

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031516\
 Data File : BF085463.D
 Acq On : 15 Mar 2016 19:29
 Operator : UM/SJ
 Sample : PB88908BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 16 04:44:24 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	150325	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	610021	20.00	ng	-0.01
38) Acenaphthene-d10	9.96	164	289777	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	527145	20.00	ng	0.00
75) Chrysene-d12	14.08	240	350017	20.00	ng	0.00
86) Perylene-d12	15.52	264	249258	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1057504	120.93	ng	0.01
7) Phenol-d6	6.55	99	1526165	134.54	ng	0.00
23) Nitrobenzene-d5	7.48	82	893336	86.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	338055	126.66	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	1670901	100.03	ng	0.00
78) Terphenyl-d14	13.03	244	1526554	98.66	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.64	88	141563	32.44	ng	97
3) Pyridine	3.38	79	414787	40.04	ng	96
4) n-Nitrosodimethylamine	3.33	42	184177	38.50	ng	98
6) Aniline	6.57	93	438643	28.01	ng	98
8) 2-Chlorophenol	6.70	128	449944	43.88	ng	95
9) Benzaldehyde	6.46	77	90293	14.26	ng	87
10) Phenol	6.56	94	620148	48.77	ng	99
11) bis(2-Chloroethyl)ether	6.65	93	415813	42.52	ng	94
12) 1,3-Dichlorobenzene	7.09	146	424136	37.32	ng	99
13) 1,4-Dichlorobenzene	6.93	146	441715	38.80	ng	98
14) 1,2-Dichlorobenzene	7.09	146	424063	42.45	ng	95
15) Benzyl Alcohol	7.05	79	358505	44.25	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.19	45	500641	37.60	ng	97
17) 2-Methylphenol	7.17	107	362396	42.22	ng	97
18) Hexachloroethane	7.43	117	166958	39.98	ng	# 87
19) n-Nitroso-di-n-propylamine	7.33	70	268321	39.50	ng	# 92
20) 3+4-Methylphenols	7.32	107	434072	47.17	ng	# 81
22) Acetophenone	7.33	105	563544	37.70	ng	# 98
24) Nitrobenzene	7.50	77	488496	42.02	ng	92
25) Isophorone	7.74	82	836614	39.76	ng	96
26) 2-Nitrophenol	7.82	139	229261	41.17	ng	99
27) 2,4-Dimethylphenol	7.85	122	443161	44.74	ng	96
28) bis(2-Chloroethoxy)methane	7.94	93	485825	38.62	ng	100
29) 2,4-Dichlorophenol	8.06	162	375018	46.67	ng	96
30) 1,2,4-Trichlorobenzene	8.14	180	365676	39.38	ng	99
31) Naphthalene	8.22	128	1154092	38.72	ng	99
32) Benzoic acid	7.97	122	213141	37.42	ng	98
33) 4-Chloroaniline	8.26	127	201309	15.70	ng	96
34) Hexachlorobutadiene	8.33	225	185730	38.27	ng	97
35) Caprolactam	8.68	113	37943	14.46	ng	92
36) 4-Chloro-3-methylphenol	8.76	107	416454	45.39	ng	93
37) 2-Methylnaphthalene	8.92	142	871698	46.18	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.08	216	301866	33.49	ng	99
40) Hexachlorocyclopentadiene	9.06	237	342460	78.62	ng	100

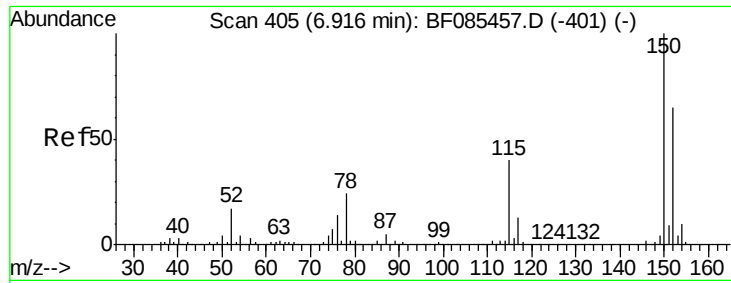
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031516\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.19	196	249511	41.92	nq	98
43) 2,4,5-Trichlorophenol	9.24	196	258138	42.94	nq	94
45) 1,1'-Biphenyl	9.37	154	905413	38.28	nq	98
46) 2-Chloronaphthalene	9.41	162	747381	42.17	nq	99
47) 2-Nitroaniline	9.50	65	255644	47.64	nq	# 78
48) Acenaphthylene	9.82	152	1206806	42.09	nq	98
49) Dimethylphthalate	9.68	163	922229	43.62	nq	100
50) 2,6-Dinitrotoluene	9.74	165	181959	38.96	nq	90
51) Acenaphthene	9.99	154	792104	43.94	nq	99
52) 3-Nitroaniline	9.91	138	140454	25.15	nq	92
53) 2,4-Dinitrophenol	10.01	184	175386	69.54	nq	# 58
54) Dibenzofuran	10.16	168	1000642	45.19	nq	100
55) 4-Nitrophenol	10.07	139	290889	75.67	nq	# 75
56) 2,4-Dinitrotoluene	10.15	165	262563	44.82	nq	# 69
57) Fluorene	10.50	166	784002	44.40	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.28	232	183705	44.50	nq	98
59) Diethylphthalate	10.38	149	868132	42.42	nq	97
60) 4-Chlorophenyl-phenylether	10.49	204	351120	38.70	nq	98
61) 4-Nitroaniline	10.53	138	236975	45.13	nq	93
62) Azobenzene	10.65	77	902767	44.42	nq	98
64) 4,6-Dinitro-2-methylphenol	10.55	198	119104	37.82	nq	# 54
65) n-Nitrosodiphenylamine	10.62	169	742992	45.74	nq	99
66) 4-Bromophenyl-phenylether	10.98	248	220987	41.42	nq	96
67) Hexachlorobenzene	11.05	284	236019	42.87	nq	# 93
68) Atrazine	11.14	200	239251	51.47	nq	96
69) Pentachlorophenol	11.25	266	250939	86.00	nq	99
70) Phenanthrene	11.46	178	1074985	39.15	nq	99
71) Anthracene	11.52	178	1262992	45.16	nq	99
72) Carbazole	11.67	167	1017200	42.99	nq	99
73) Di-n-butylphthalate	12.00	149	1326220	45.24	nq	99
74) Fluoranthene	12.65	202	1162019	45.02	nq	100
76) Benzidine	12.77	184	391614	36.02	nq	99
77) Pyrene	12.88	202	1184832	45.13	nq	99
79) Butylbenzylphthalate	13.50	149	524876	45.73	nq	# 78
80) Benzo(a)anthracene	14.07	228	864216	43.07	nq	99
81) 3,3'-Dichlorobenzidine	14.03	252	120921	17.80	nq	99
82) Chrysene	14.11	228	779631	43.19	nq	99
83) Bis(2-ethylhexyl)phthalate	14.06	149	622764	44.48	nq	# 96
84) Di-n-octyl phthalate	14.67	149	923961	45.20	nq	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	676192	39.52	nq	97
87) Benzo(b)fluoranthene	15.11	252	731794	44.95	nq	# 94
88) Benzo(k)fluoranthene	15.11	252	731794	57.39	nq	# 95
89) Benzo(a)pyrene	15.47	252	606787	43.15	nq	# 96
90) Dibenzo(a,h)anthracene	16.99	278	566336	41.22	nq	97
91) Benzo(g,h,i)perylene	17.41	276	564066	40.20	nq	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 405

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

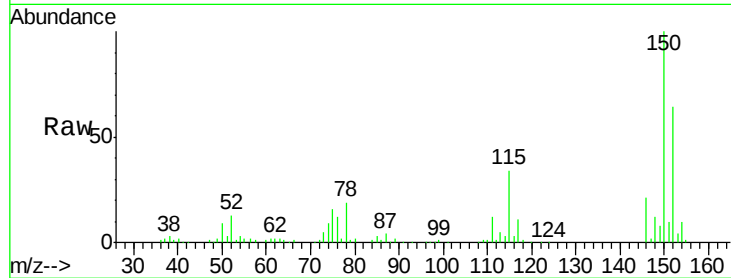
Tot Ion:152 Resp: 150325

Ion Ratio Lower Upper

152 100

150 157.0 124.6 186.8

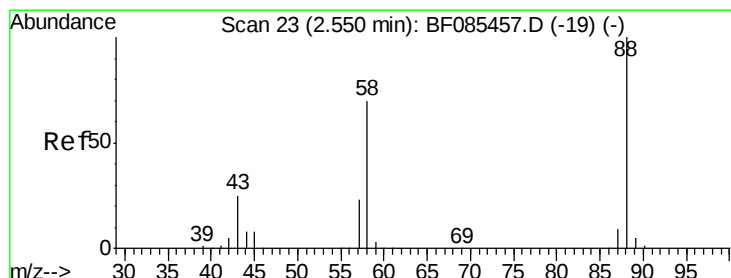
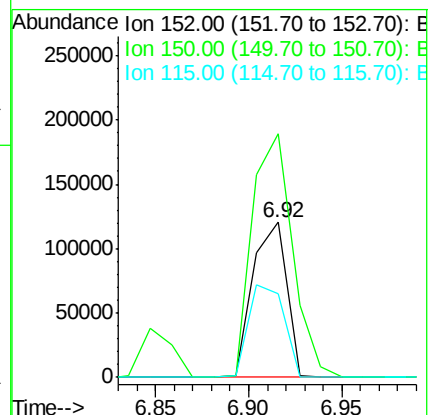
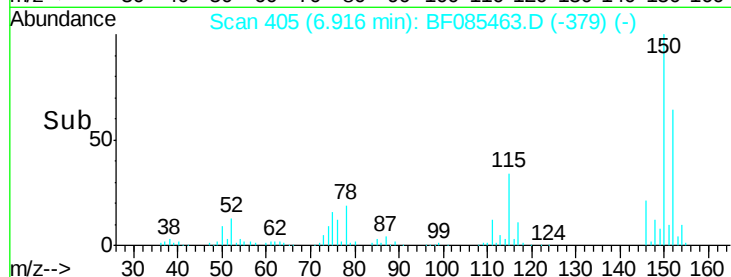
115 54.1 46.6 70.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 32.44 ng

RT: 2.64 min Scan# 31

Delta R.T. 0.09 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

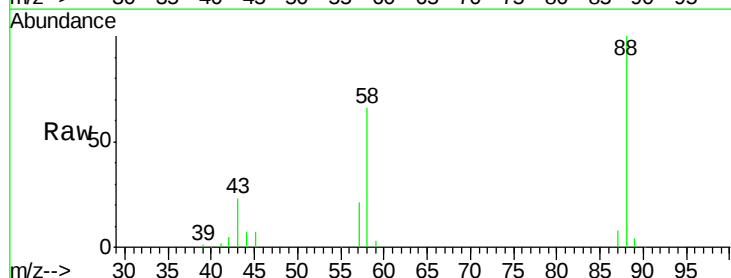
Tgt Ion: 88 Resp: 141563

Ion Ratio Lower Upper

88 100

58 68.2 57.0 85.6

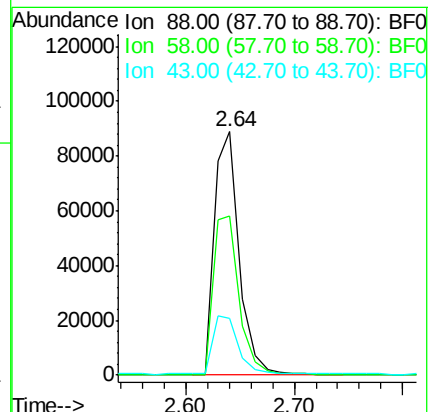
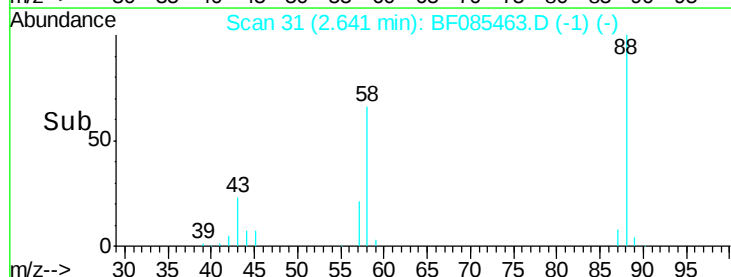
43 25.0 20.5 30.7

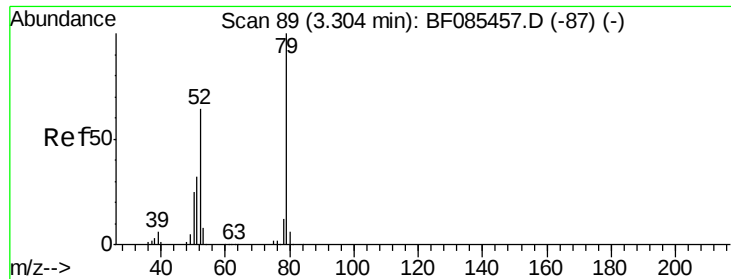


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 40.04 ng

RT: 3.38 min Scan# 96

Delta R.T. 0.08 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

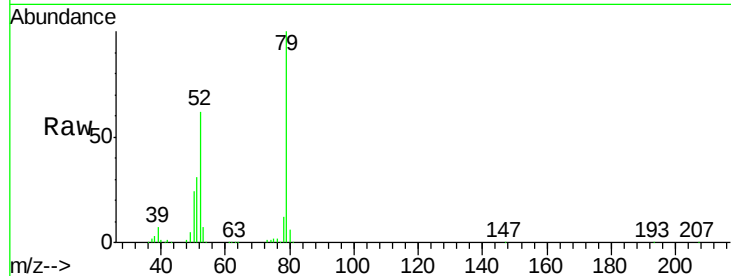
Instrument :

BNA_F

ClientSampled :

Tot Ion: 79 Resp: 414787

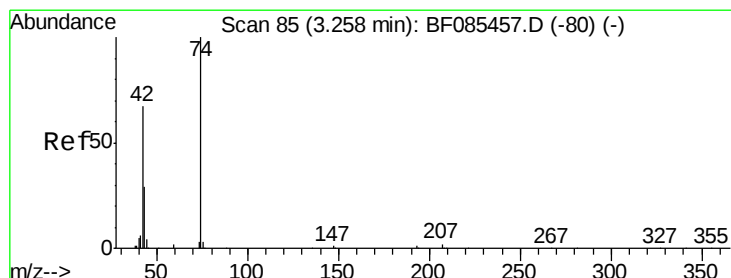
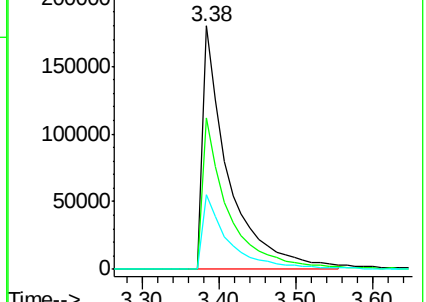
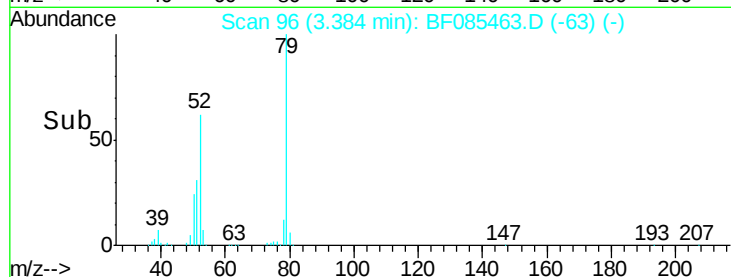
Ion	Ratio	Lower	Upper
79	100		
52	62.0	52.6	79.0
51	30.8	25.8	38.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 38.50 ng

RT: 3.33 min Scan# 91

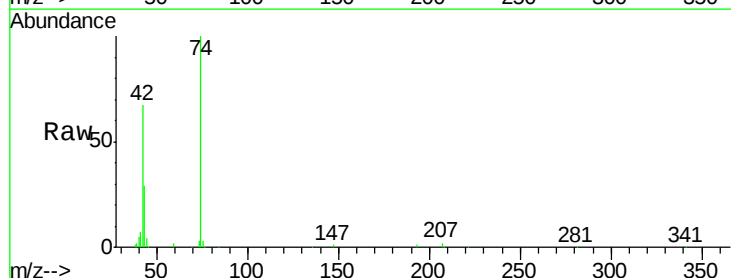
Delta R.T. 0.07 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Tgt Ion: 42 Resp: 184177

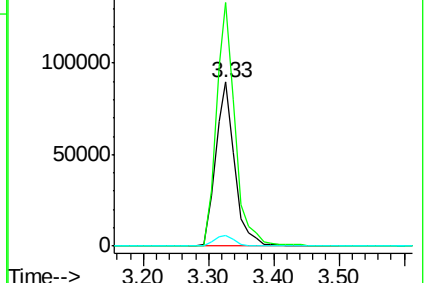
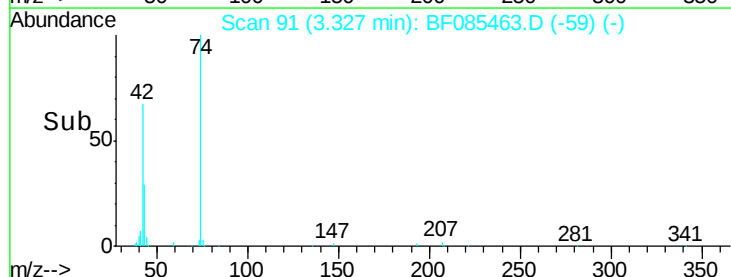
Ion	Ratio	Lower	Upper
42	100		
74	148.4	116.8	175.2
44	6.6	5.5	8.3

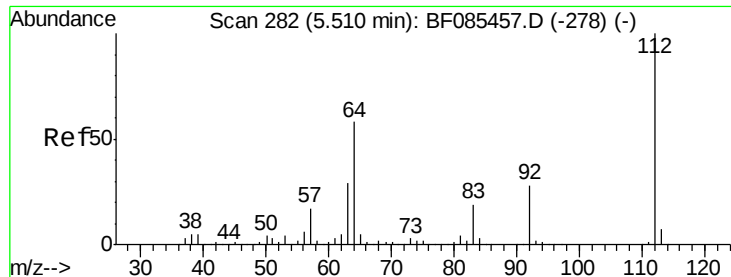


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 120.93 ng

RT: 5.52 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampled :

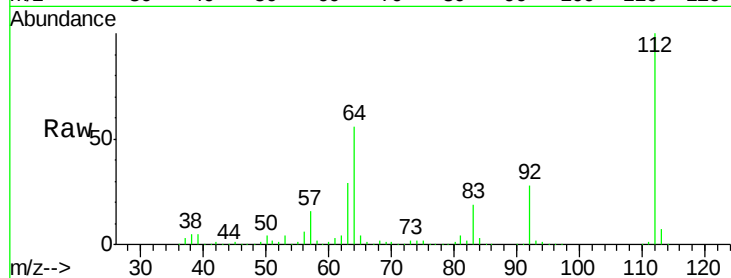
Tot Ion:112 Resp: 1057504

Ion Ratio Lower Upper

112 100

64 56.3 49.0 73.4

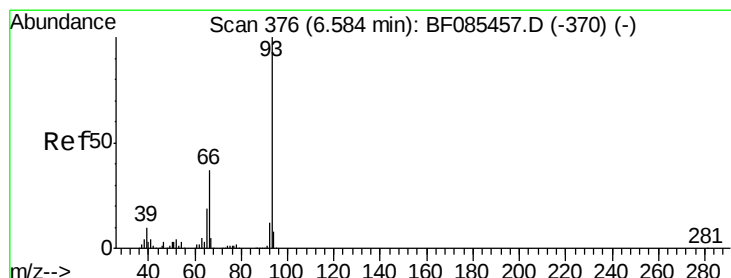
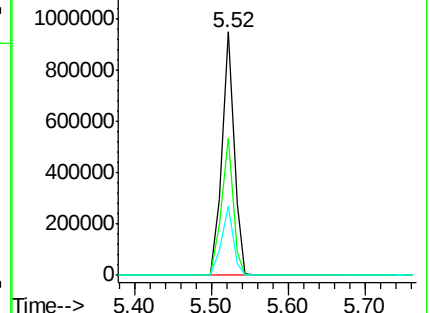
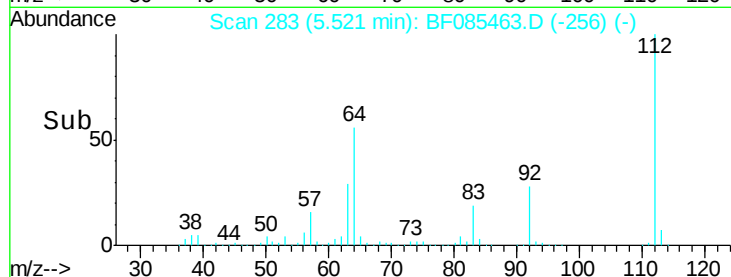
63 28.5 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 28.01 ng

RT: 6.57 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

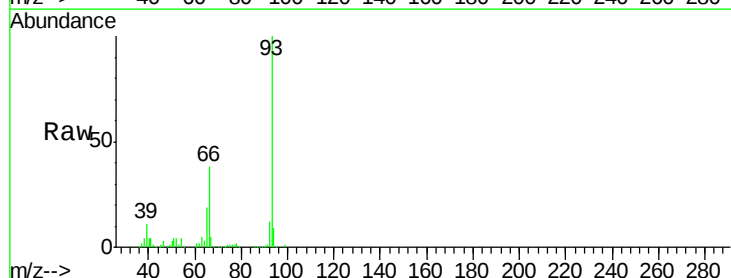
Tgt Ion: 93 Resp: 438643

Ion Ratio Lower Upper

93 100

66 38.1 31.6 47.4

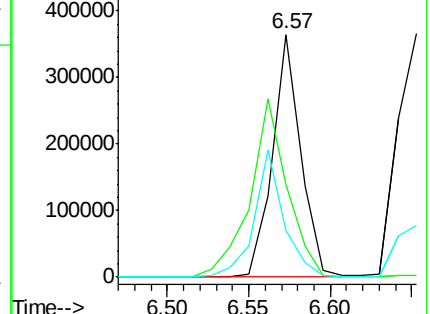
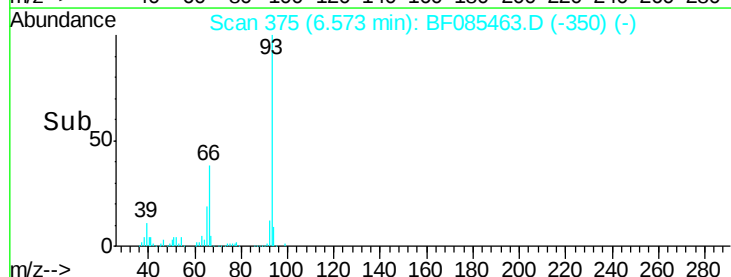
65 19.0 15.8 23.8

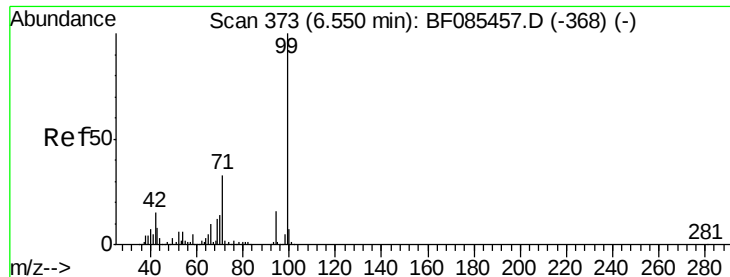


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 134.54 ng

RT: 6.55 min Scan# 373

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampled :

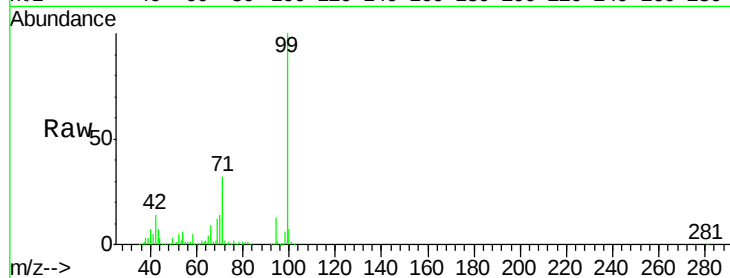
Tot Ion: 99 Resp: 1526165

Ion Ratio Lower Upper

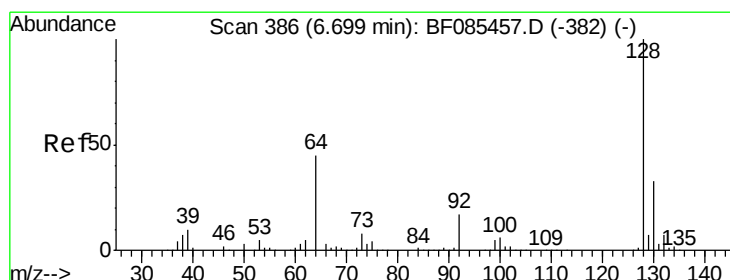
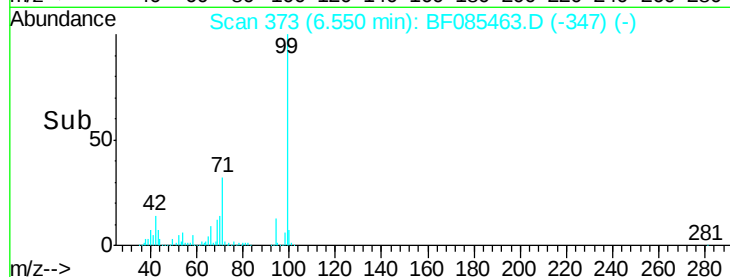
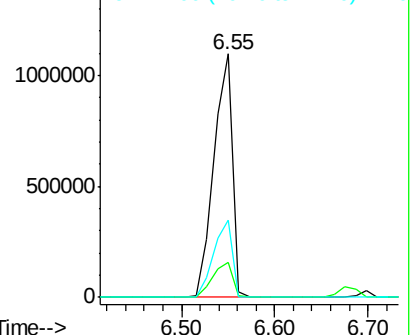
99 100

42 14.3 13.6 20.4

71 31.6 26.7 40.1



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 43.88 ng

RT: 6.70 min Scan# 386

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

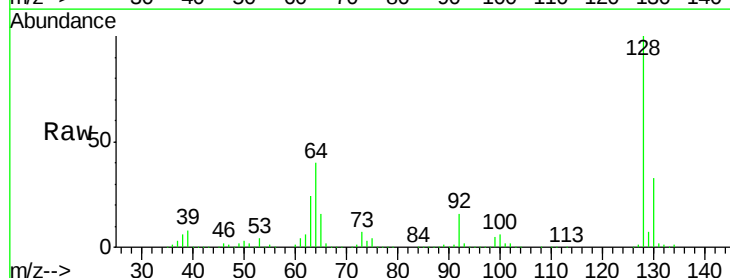
Tgt Ion: 128 Resp: 449944

Ion Ratio Lower Upper

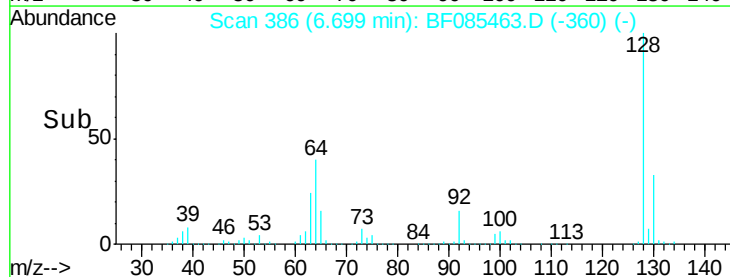
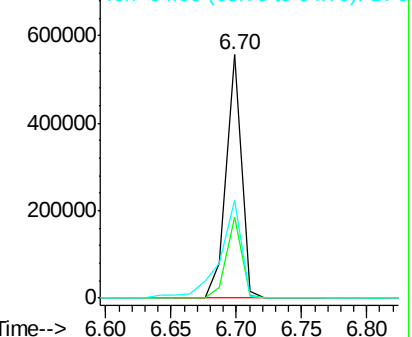
128 100

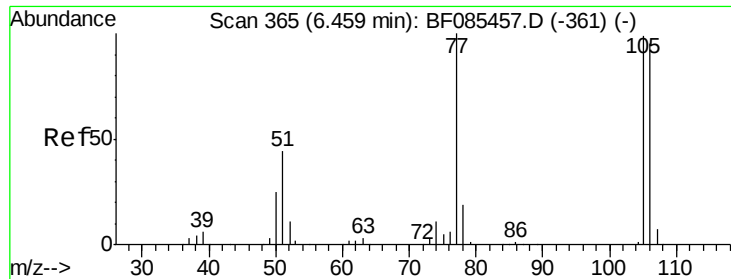
130 33.3 13.3 53.3

64 40.3 25.7 65.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 14.26 ng

RT: 6.46 min Scan# 365

Delta R.T. 0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

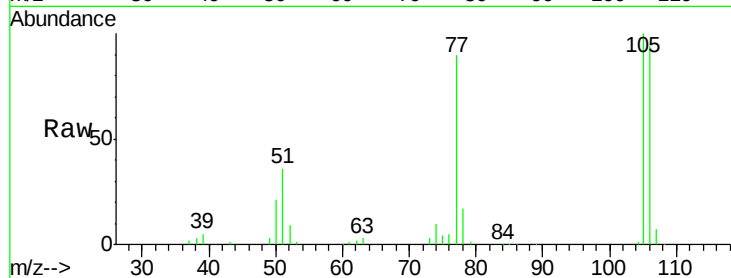
Tot Ion: 77 Resp: 90293

Ion Ratio Lower Upper

77 100

105 111.5 78.2 118.2

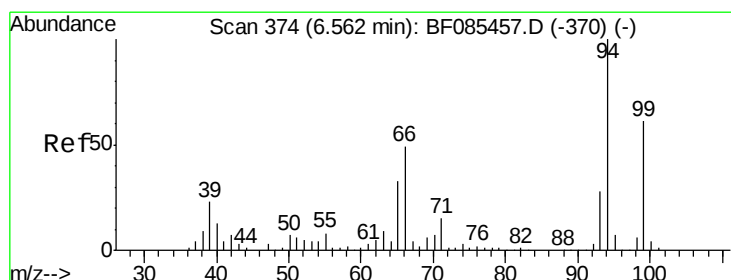
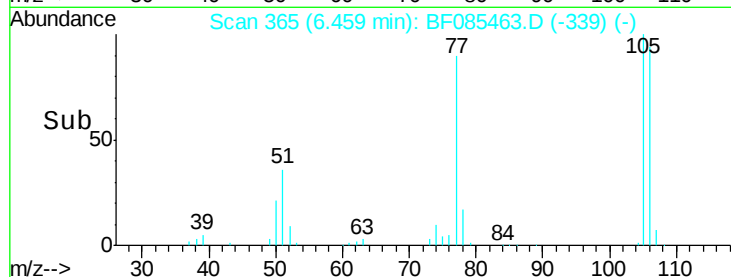
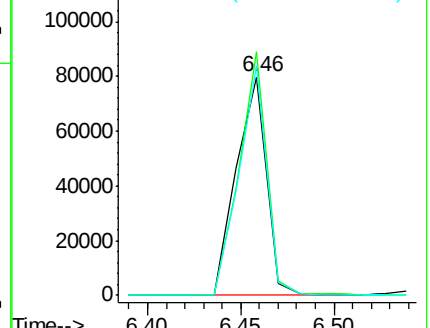
106 105.3 72.9 112.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 48.77 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

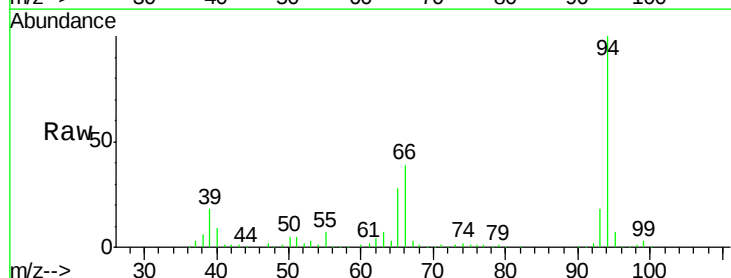
Tgt Ion: 94 Resp: 620148

Ion Ratio Lower Upper

94 100

65 27.8 9.1 49.1

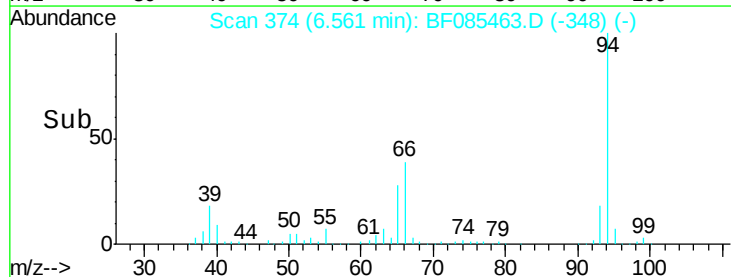
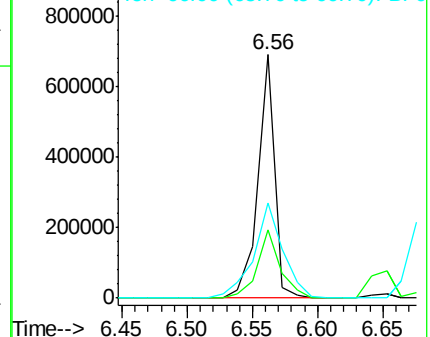
66 39.0 19.3 59.3

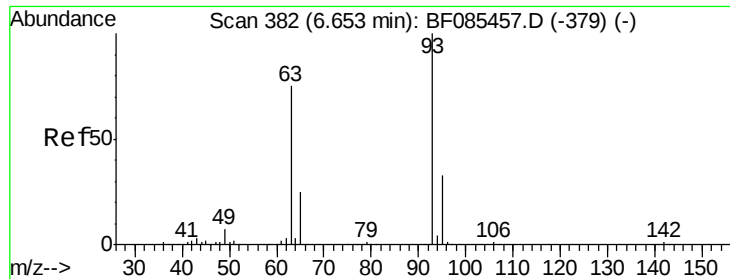


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 42.52 ng

RT: 6.65 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

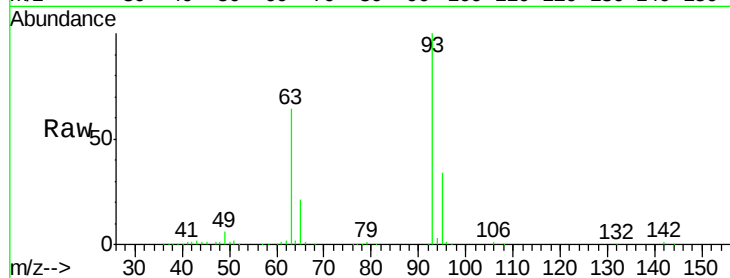
Tot Ion: 93 Resp: 415813

Ion Ratio Lower Upper

93 100

63 64.1 50.9 90.9

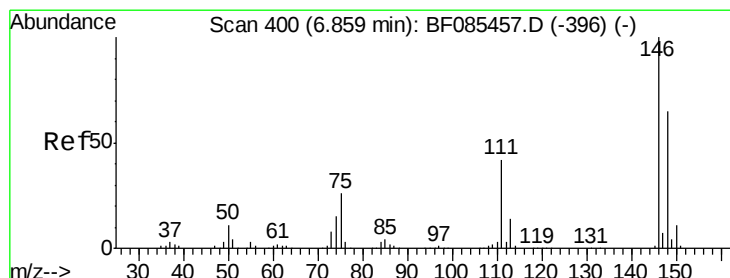
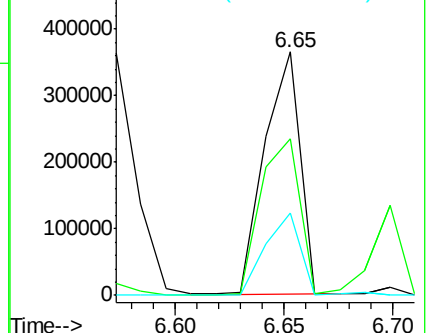
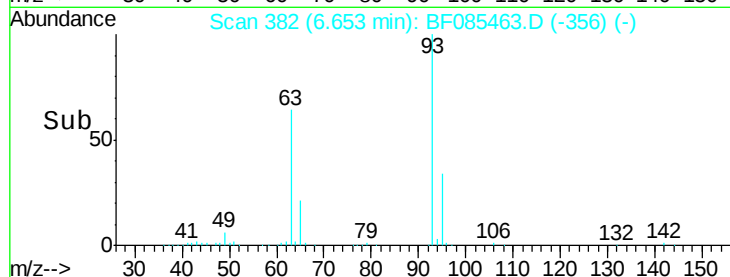
95 33.7 13.7 53.7



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 37.32 ng

RT: 7.09 min Scan# 420

Delta R.T. 0.23 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

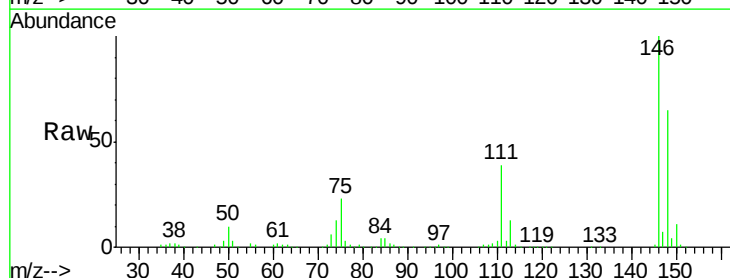
Tgt Ion: 146 Resp: 424136

Ion Ratio Lower Upper

146 100

148 65.3 52.1 78.1

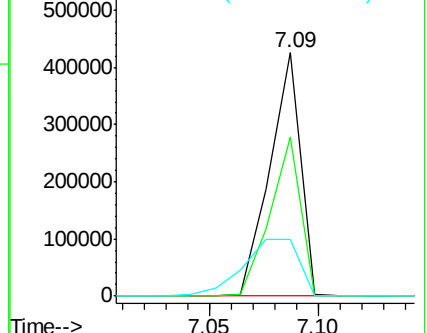
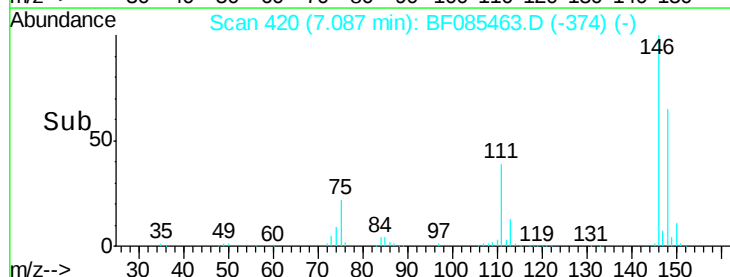
75 23.3 19.5 29.3

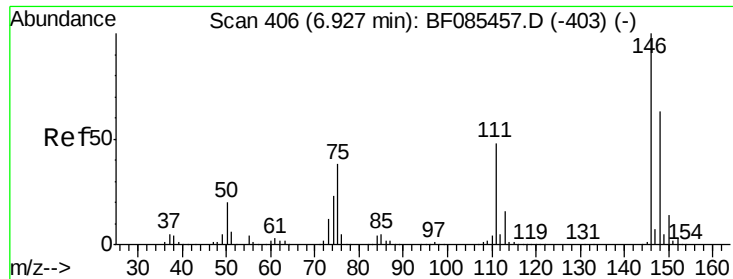


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

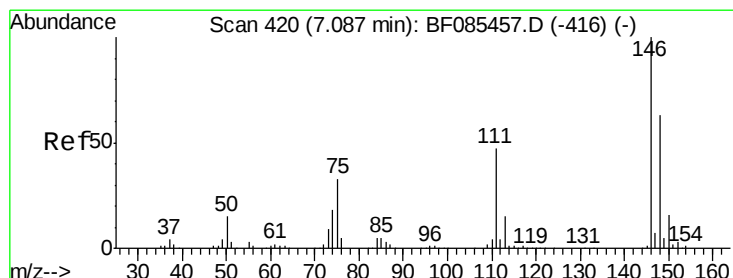
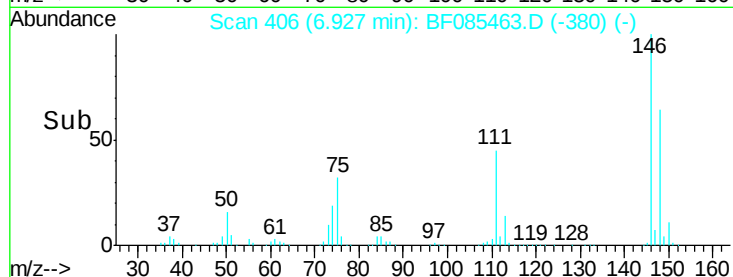
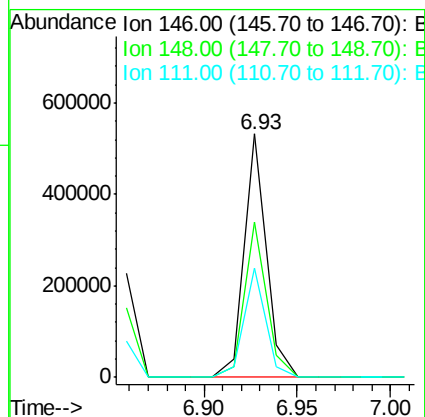
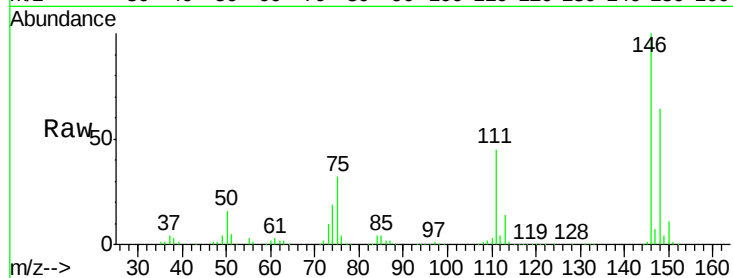




#13
 1,4-Dichlorobenzene
 Concen: 38.80 ng
 RT: 6.93 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

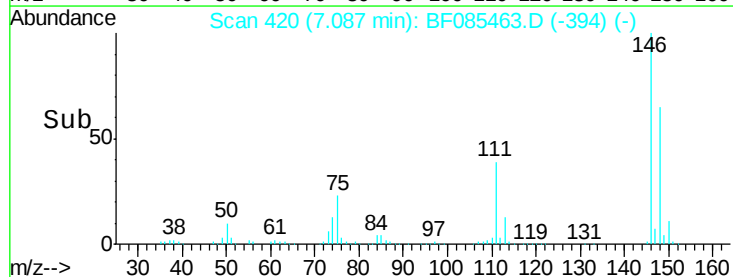
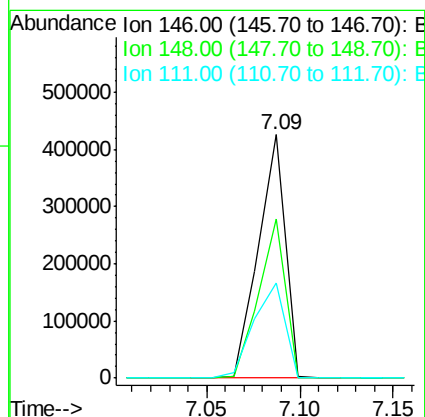
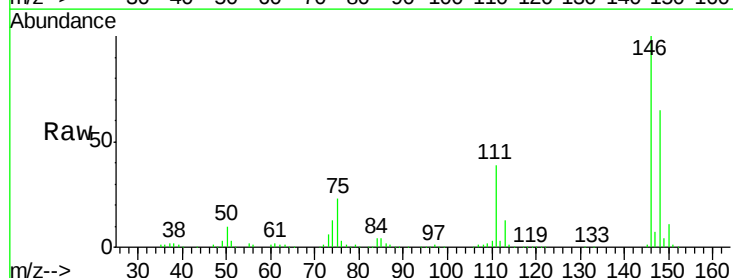
Instrument :
 BNA_F
 ClientSampleId :

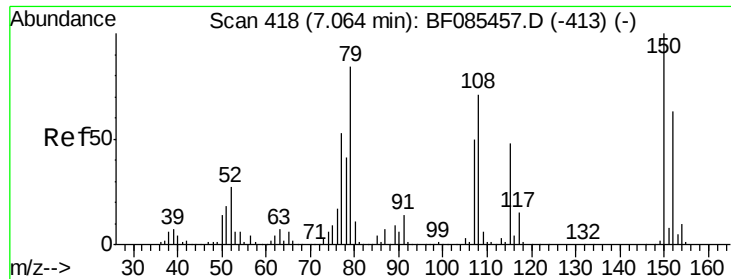
Tot Ion:146 Resp: 441715
 Ion Ratio Lower Upper
 146 100
 148 63.8 51.3 76.9
 111 44.7 38.4 57.6



#14
 1,2-Dichlorobenzene
 Concen: 42.45 ng
 RT: 7.09 min Scan# 420
 Delta R.T. -0.00 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

Tgt Ion:146 Resp: 424063
 Ion Ratio Lower Upper
 146 100
 148 65.3 51.4 77.2
 111 39.2 36.7 55.1

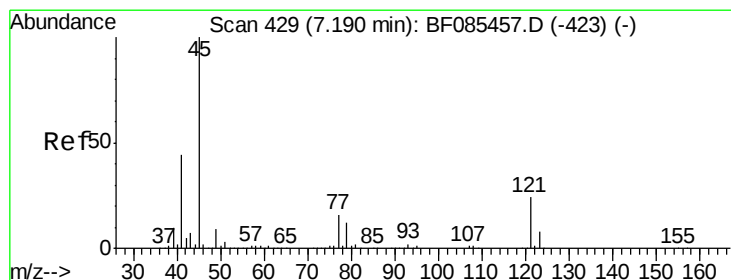
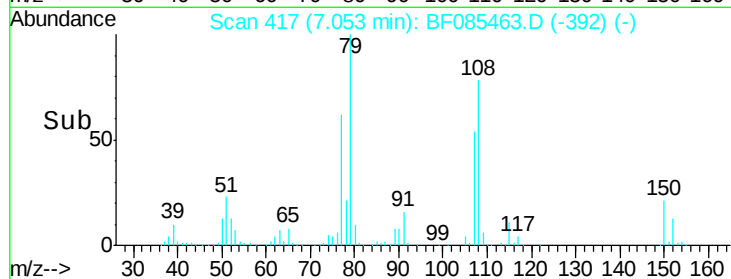
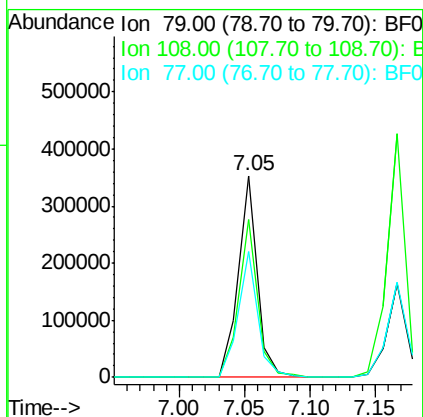
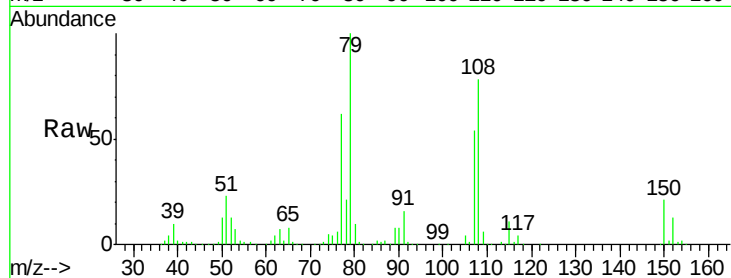




#15
Benzyl Alcohol
Concen: 44.25 ng
RT: 7.05 min Scan# 417
Delta R.T. -0.01 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

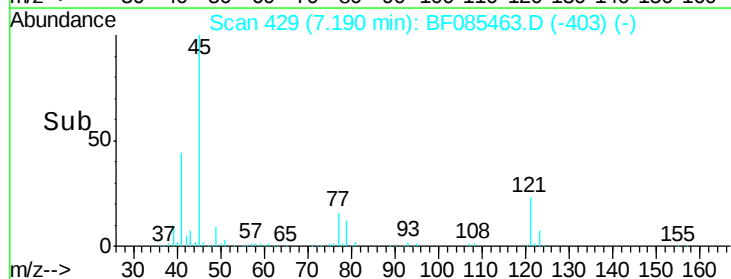
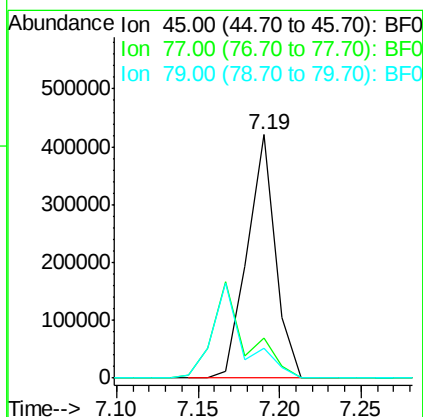
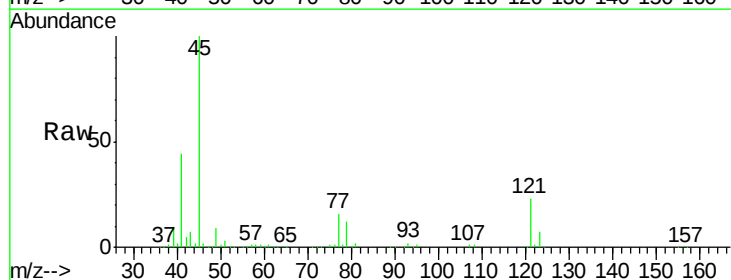
Instrument :
BNA_F
ClientSampled :

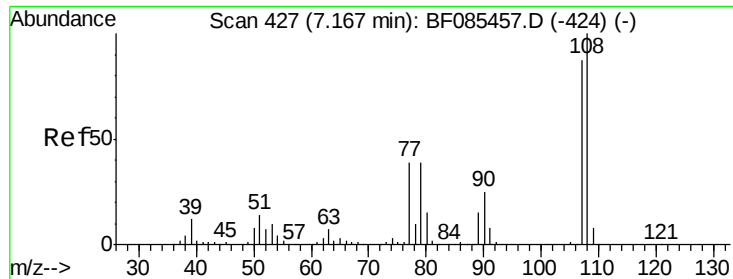
Tot Ion: 79 Resp: 358505
Ion Ratio Lower Upper
79 100
108 78.2 62.9 94.3
77 62.4 49.5 74.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 37.60 ng
RT: 7.19 min Scan# 429
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Tgt Ion: 45 Resp: 500641
Ion Ratio Lower Upper
45 100
77 16.3 0.0 35.1
79 12.3 0.0 31.3

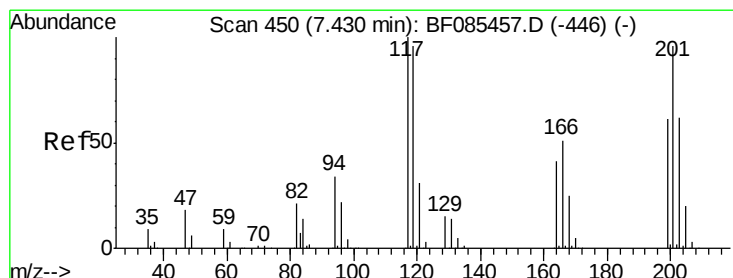
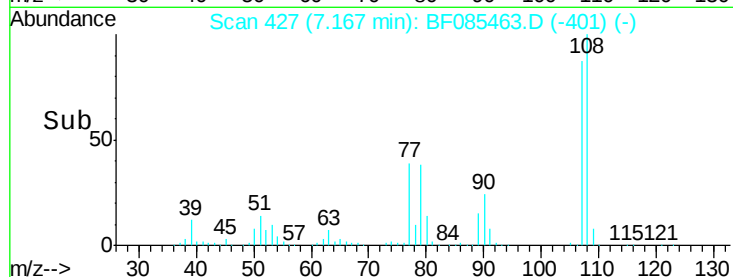
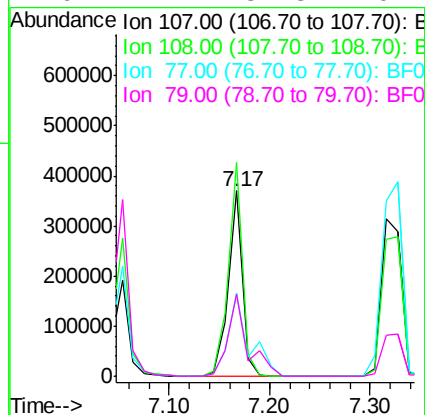
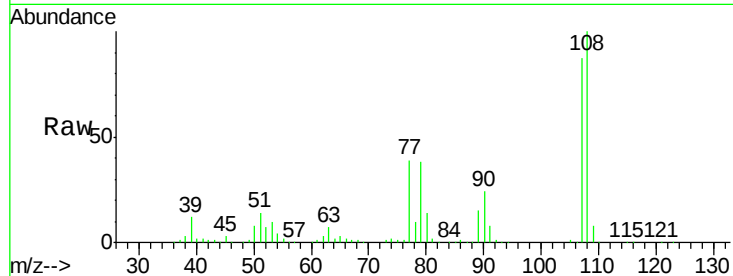




#17
2-Methylphenol
Concen: 42.22 ng
RT: 7.17 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

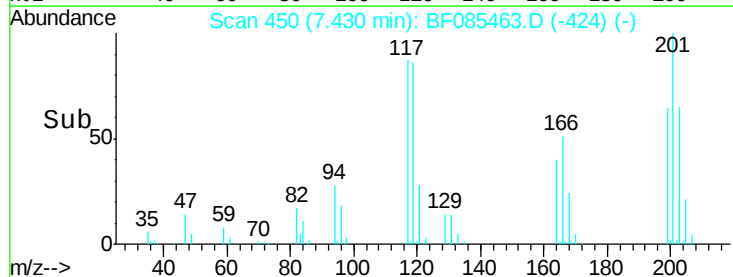
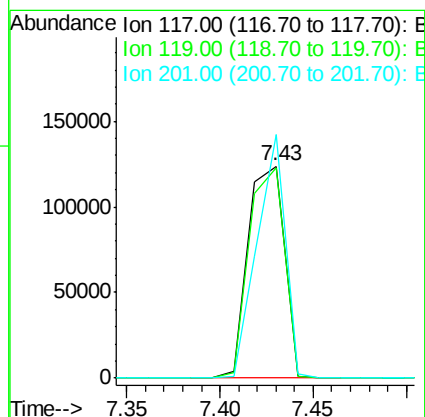
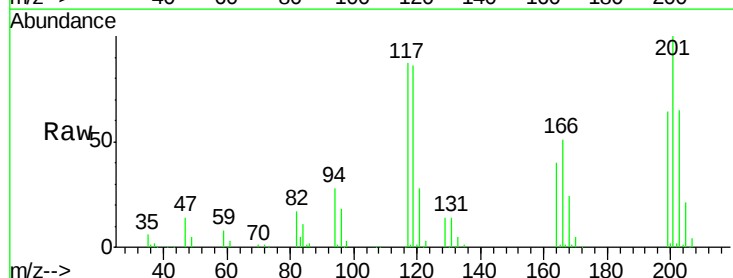
Instrument :
BNA_F
ClientSampleId :

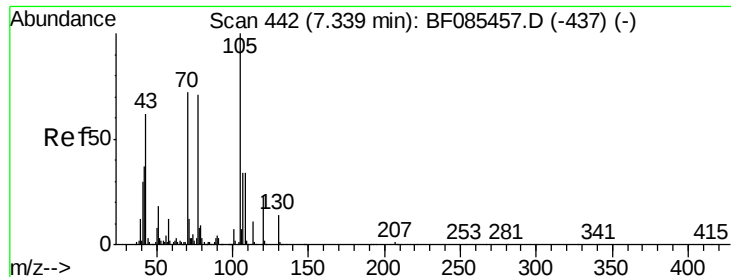
Tot Ion	Ratio	Lower	Upper
107	100		
108	115.3	90.9	136.3
77	45.0	32.6	48.8
79	44.4	32.8	49.2



#18
Hexachloroethane
Concen: 39.98 ng
RT: 7.43 min Scan# 450
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	78.2	117.4
201	114.8	72.0	108.0

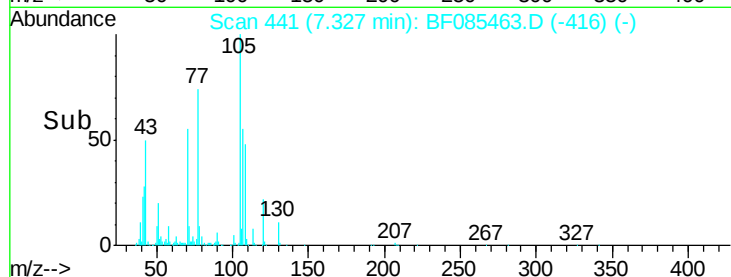
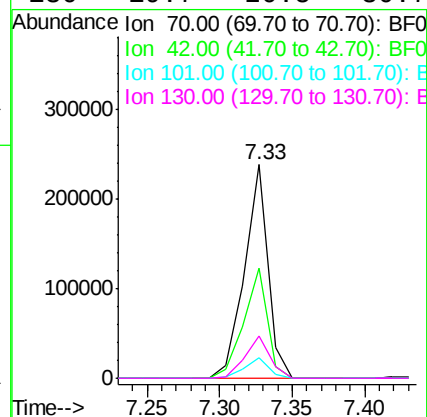
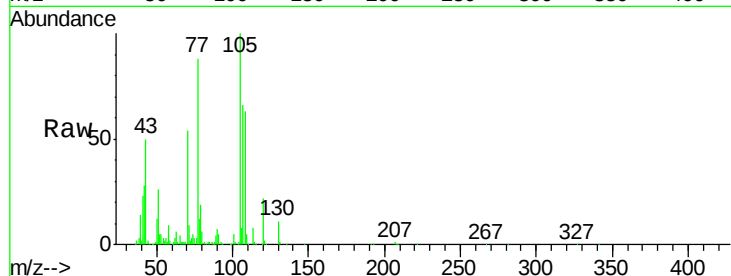




#19
n-Nitroso-di-n-propylamine
Concen: 39.50 ng
RT: 7.33 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

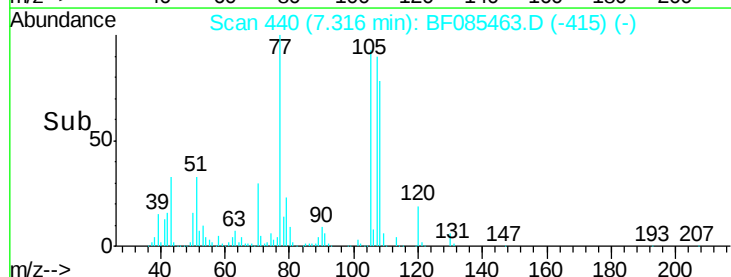
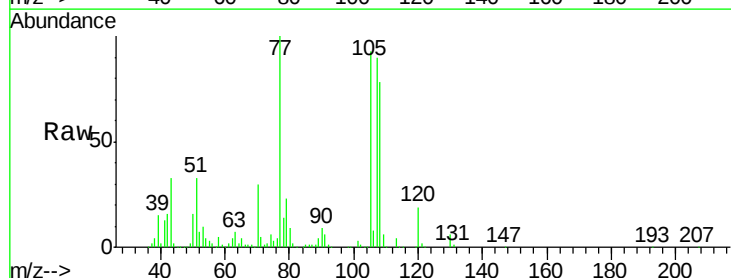
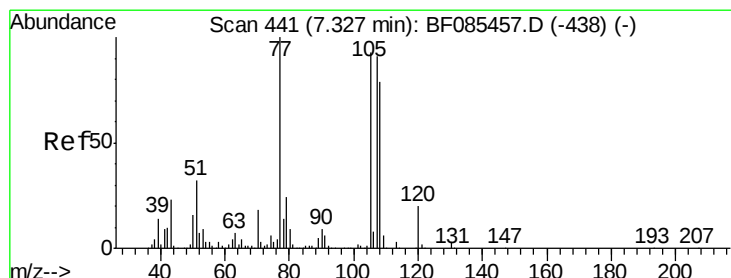
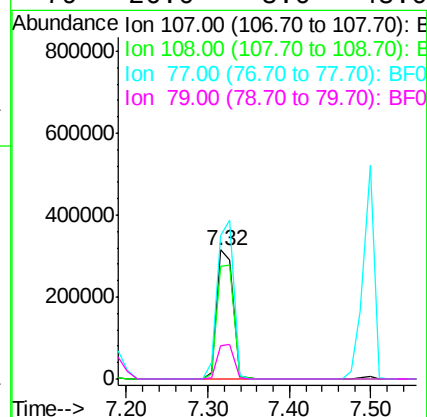
Instrument :
BNA_F
ClientSampleId :

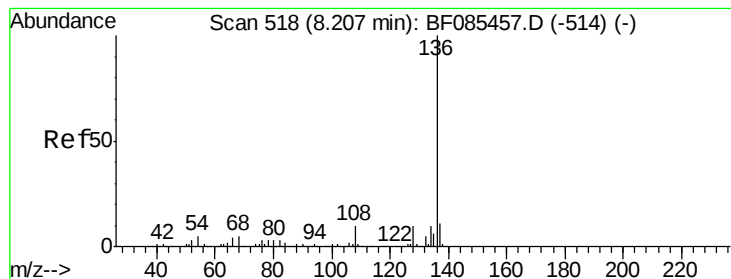
Tot Ion: 70 Resp: 268321
Ion Ratio Lower Upper
70 100
42 51.7 37.7 56.5
101 9.5 8.2 12.4
130 19.7 20.5 30.7#



#20
3+4-Methylphenols
Concen: 47.17 ng
RT: 7.32 min Scan# 440
Delta R.T. -0.01 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Tgt Ion: 107 Resp: 434072
Ion Ratio Lower Upper
107 100
108 86.9 68.8 108.8
77 111.1 53.6 93.6#
79 26.0 8.0 48.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 610021

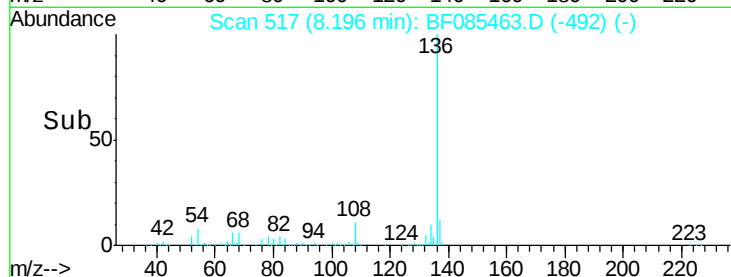
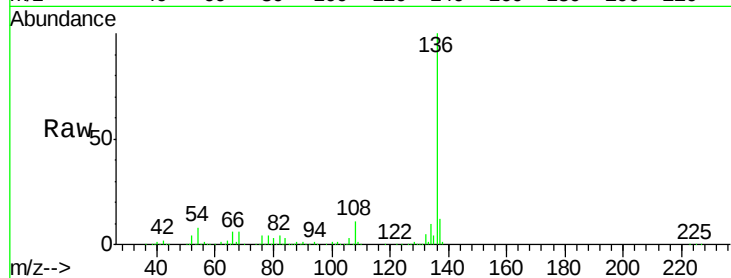
Ion Ratio Lower Upper

136 100

137 11.5 9.3 13.9

54 8.0 7.4 11.2

68 6.4 6.0 9.0

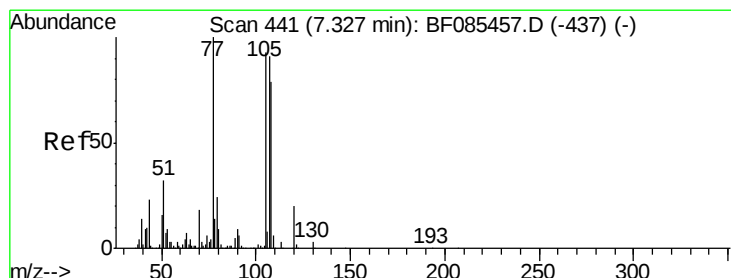
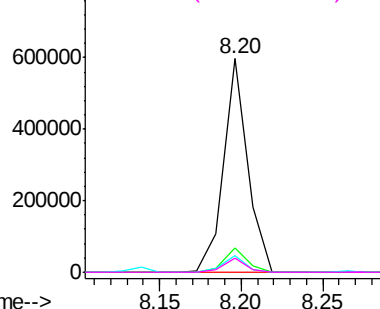


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 37.70 ng

RT: 7.33 min Scan# 441

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Tgt Ion:105 Resp: 563544

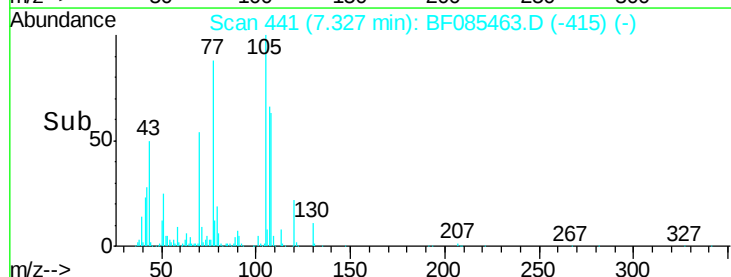
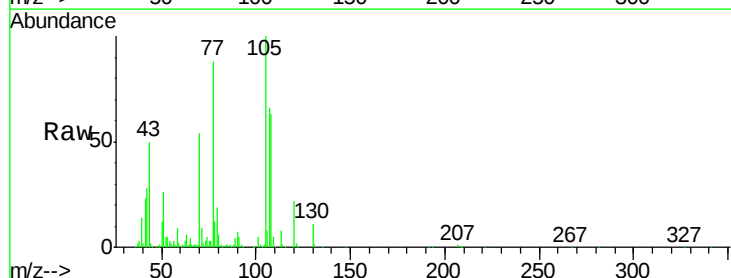
Ion Ratio Lower Upper

105 100

71 9.0 4.1 6.1#

51 25.6 21.1 31.7

120 21.6 17.3 25.9

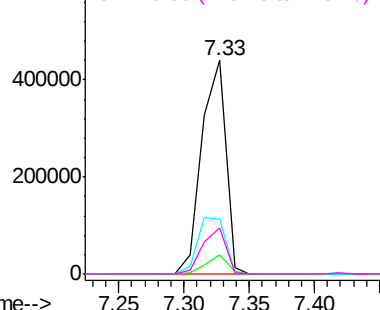


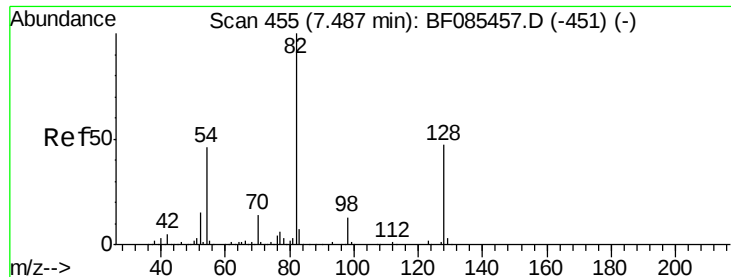
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

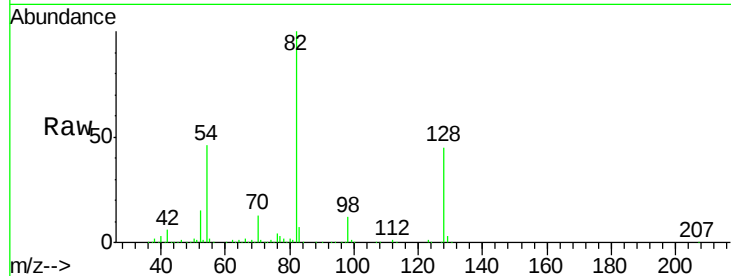




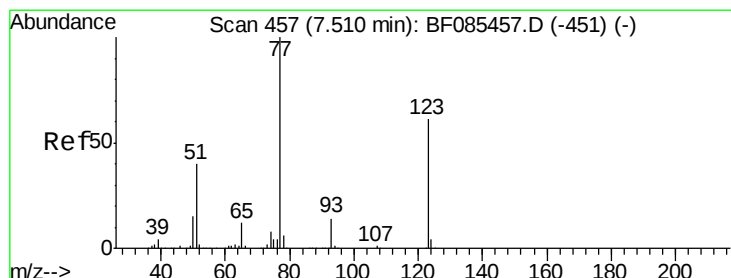
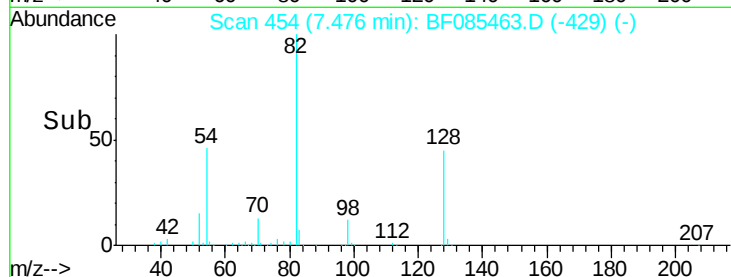
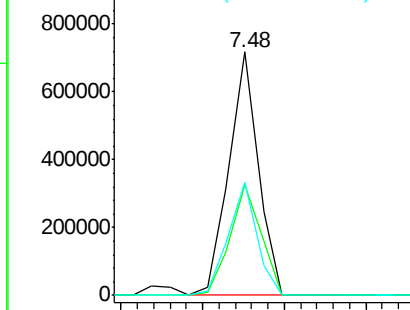
#23
 Nitrobenzene-d5
 Concen: 86.59 ng
 RT: 7.48 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	893336
Ion Ratio	Lower	Upper	
82	100		
128	45.3	34.5	51.7
54	46.3	39.3	58.9

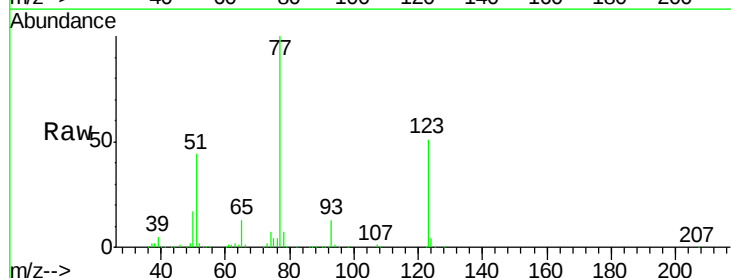


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

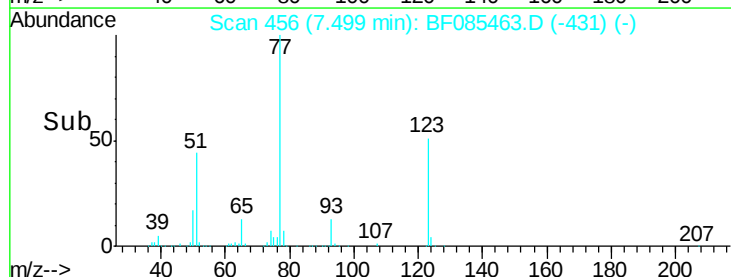
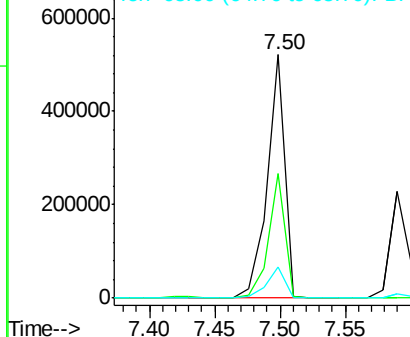


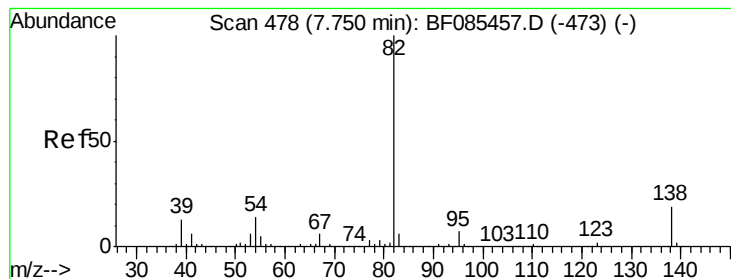
#24
 Nitrobenzene
 Concen: 42.02 ng
 RT: 7.50 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

Tgt Ion	77	Resp	488496
Ion Ratio	Lower	Upper	
77	100		
123	51.2	35.4	53.2
65	13.0	10.6	16.0



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 39.76 ng

RT: 7.74 min Scan# 477

Delta R.T. -0.01 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampled :

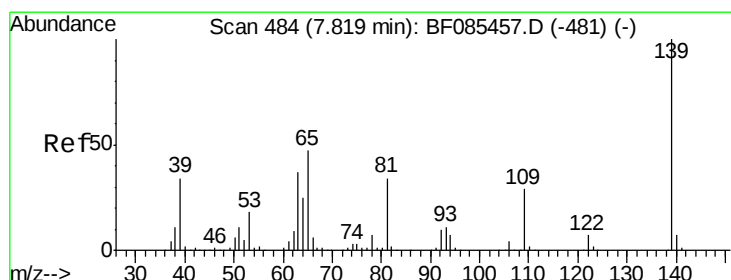
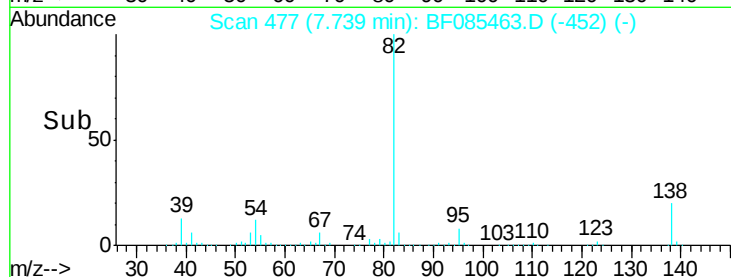
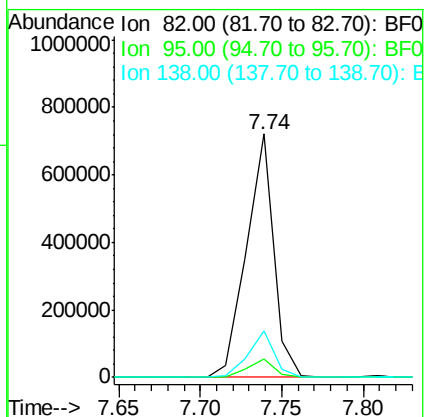
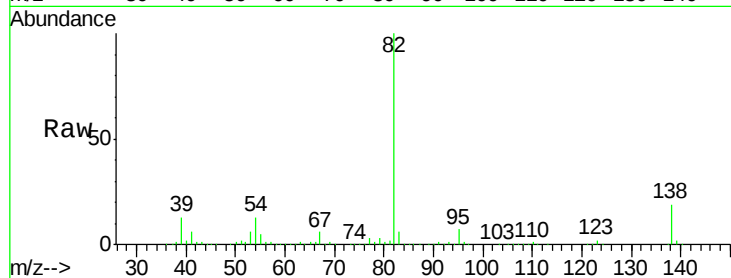
Tot Ion: 82 Resp: 836614

Ion Ratio Lower Upper

82 100

95 7.4 5.4 8.2

138 18.9 13.3 19.9



#26

2-Nitrophenol

Concen: 41.17 ng

RT: 7.82 min Scan# 484

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

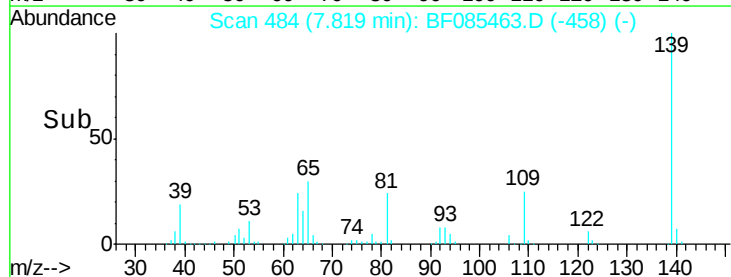
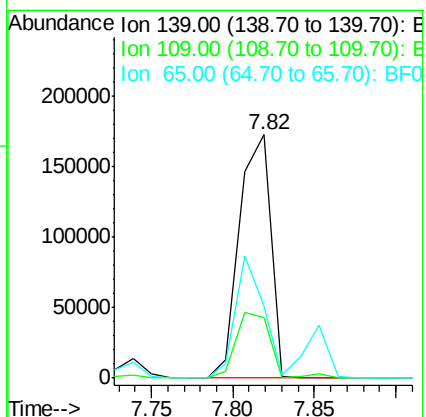
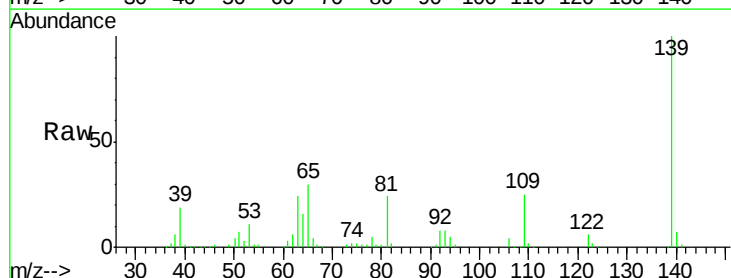
Tgt Ion: 139 Resp: 229261

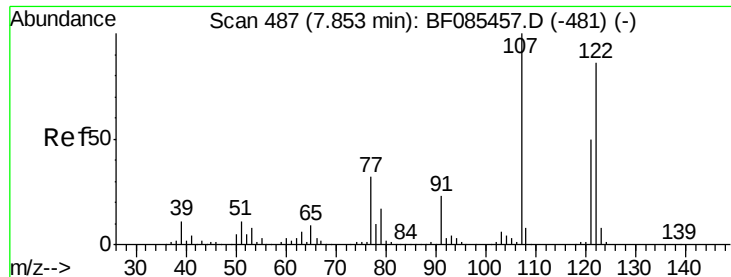
Ion Ratio Lower Upper

139 100

109 24.8 19.1 28.7

65 29.8 23.9 35.9





#27

2,4-Dimethylphenol

Concen: 44.74 ng

RT: 7.85 min Scan# 487

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

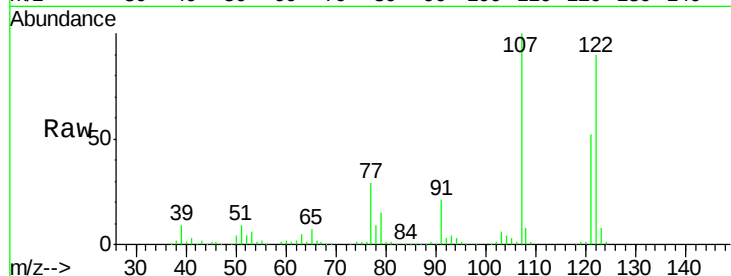
Tot Ion:122 Resp: 443161

Ion Ratio Lower Upper

122 100

107 111.2 84.8 127.2

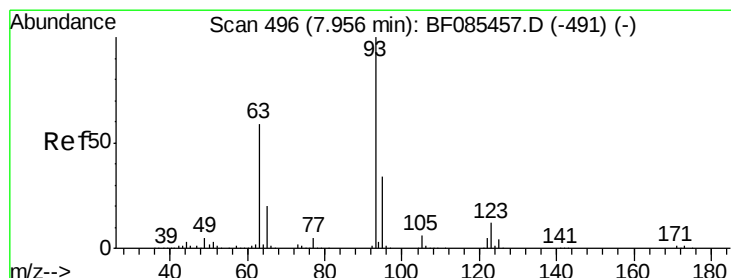
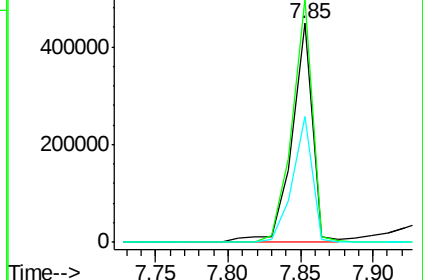
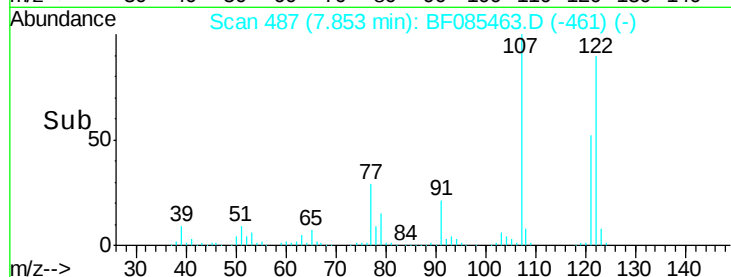
121 57.8 47.0 70.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 38.62 ng

RT: 7.94 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

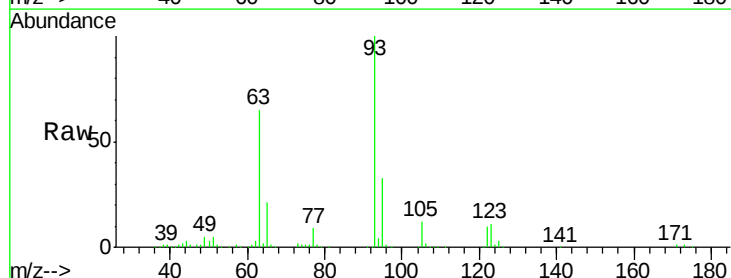
Tgt Ion: 93 Resp: 485825

Ion Ratio Lower Upper

93 100

95 32.6 25.9 38.9

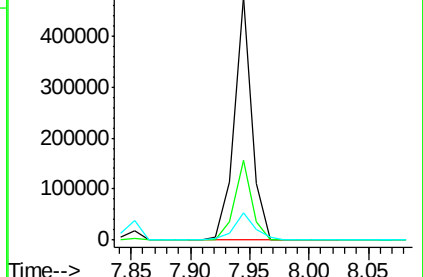
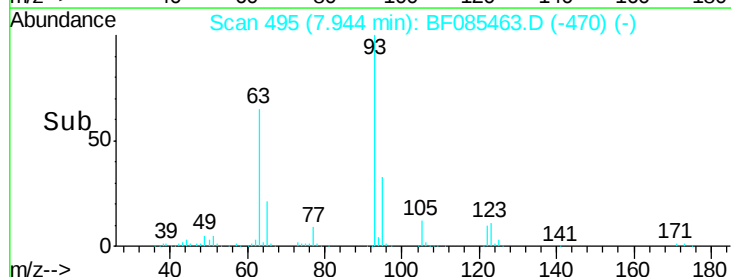
123 11.0 8.8 13.2

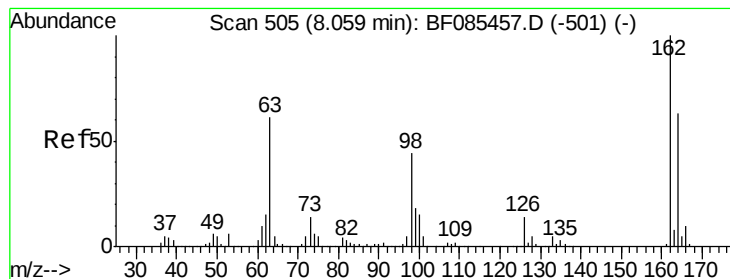


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 46.67 ng

RT: 8.06 min Scan# 505

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

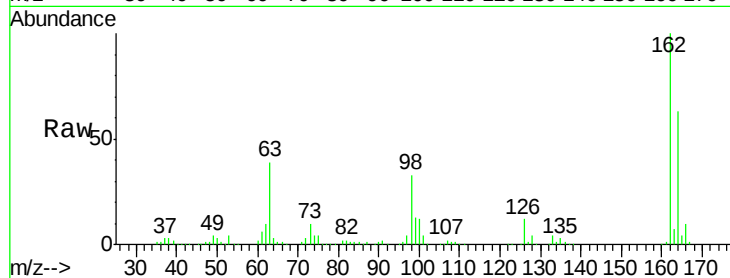
Tot Ion:162 Resp: 375018

Ion Ratio Lower Upper

162 100

164 63.4 45.7 85.7

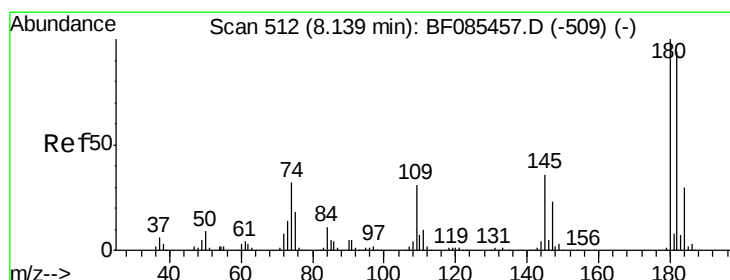
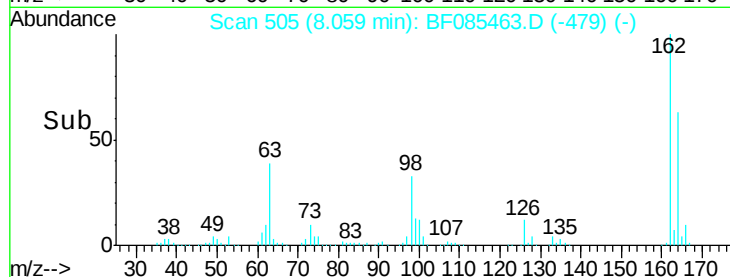
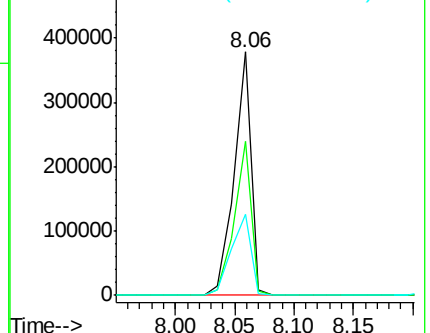
98 33.5 9.4 49.4



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 39.38 ng

RT: 8.14 min Scan# 512

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

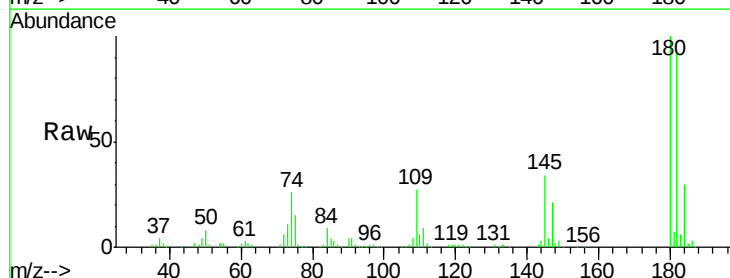
Tgt Ion:180 Resp: 365676

Ion Ratio Lower Upper

180 100

182 92.8 74.9 112.3

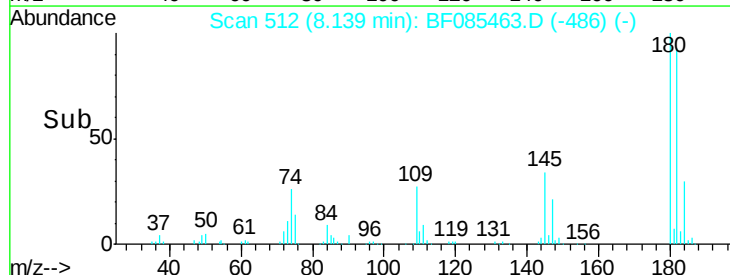
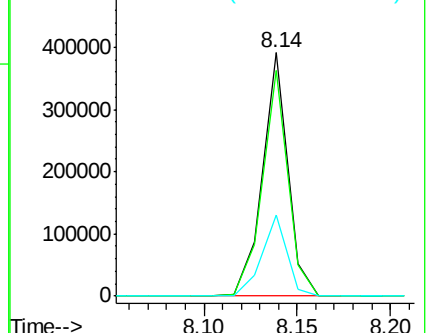
145 33.5 27.9 41.9

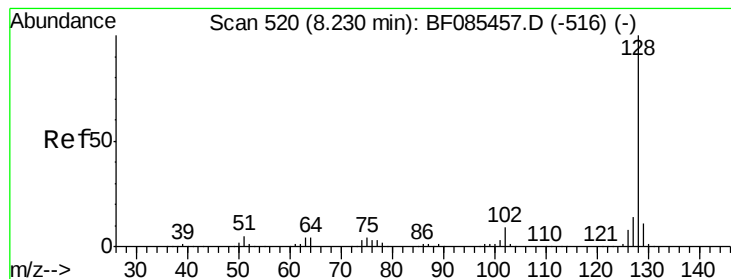


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 38.72 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

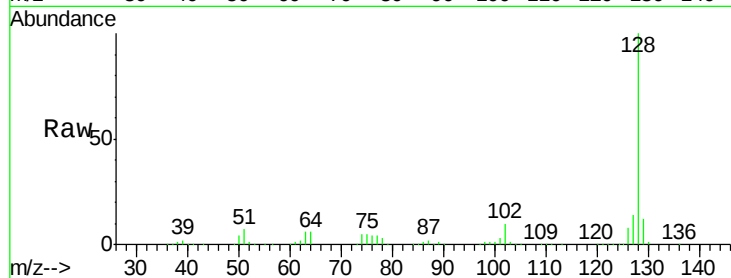
Tot Ion:128 Resp: 1154092

Ion Ratio Lower Upper

128 100

129 11.6 9.7 14.5

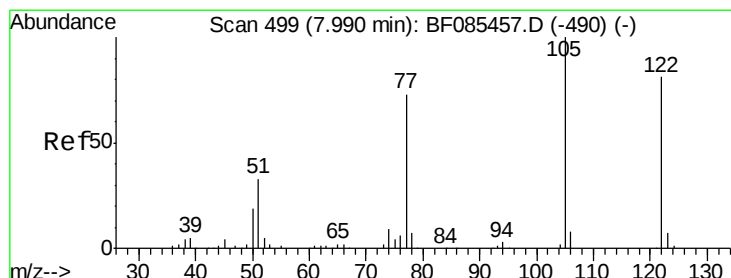
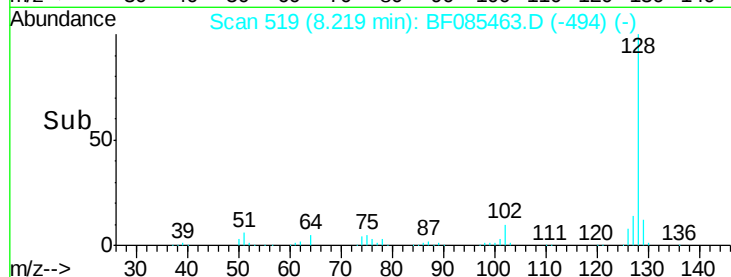
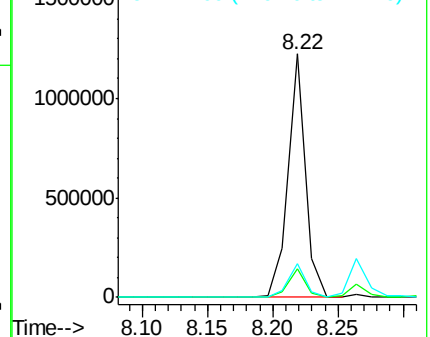
127 13.7 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 37.42 ng

RT: 7.97 min Scan# 497

Delta R.T. -0.02 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

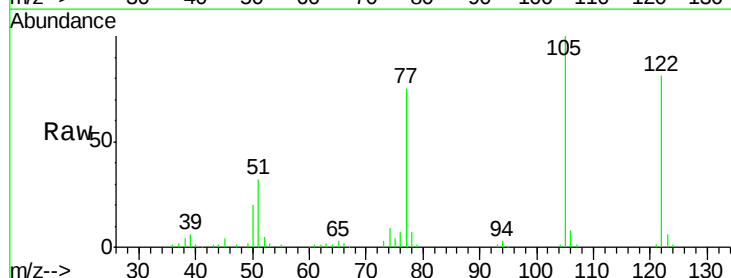
Tgt Ion:122 Resp: 213141

Ion Ratio Lower Upper

122 100

105 123.5 101.3 141.3

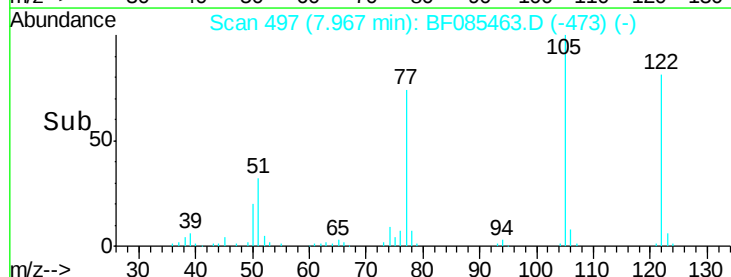
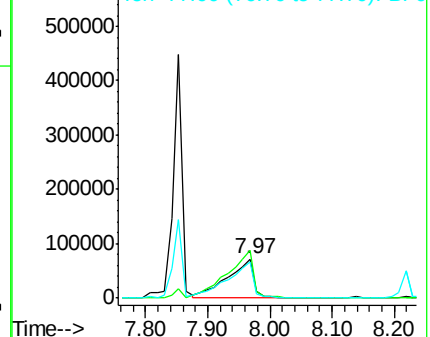
77 92.2 74.7 114.7

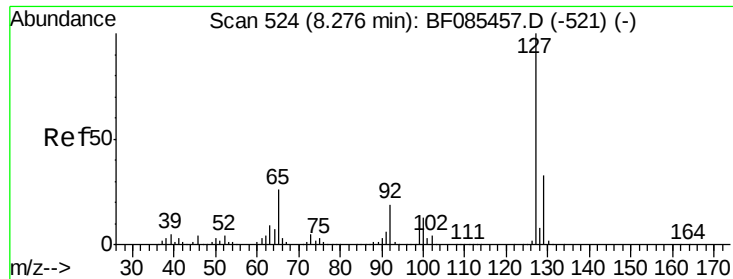


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

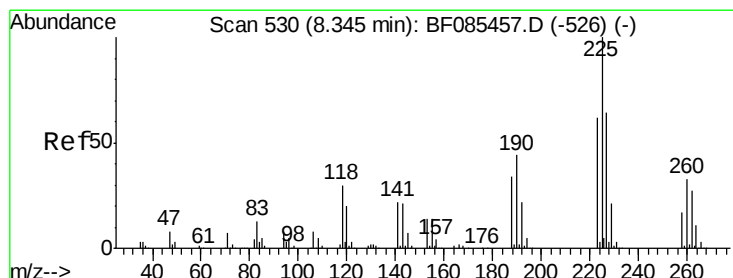
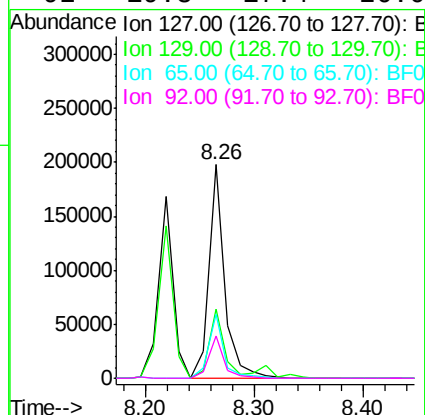
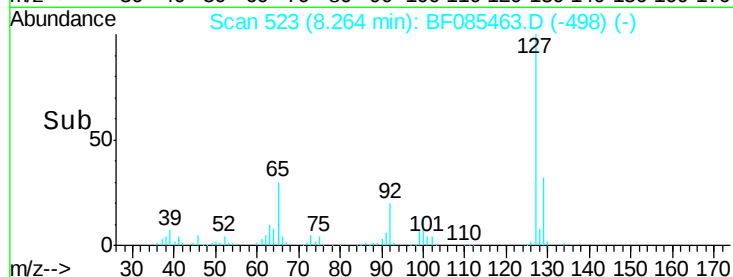
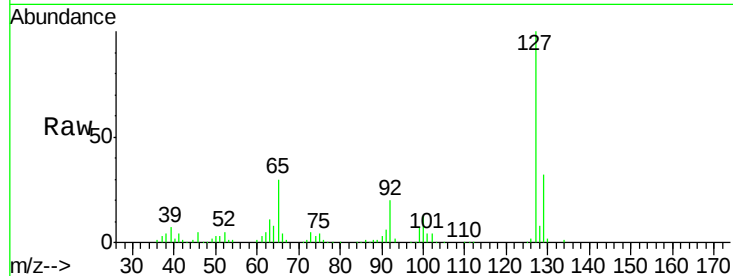




#33
4-Chloroaniline
Concen: 15.70 ng
RT: 8.26 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

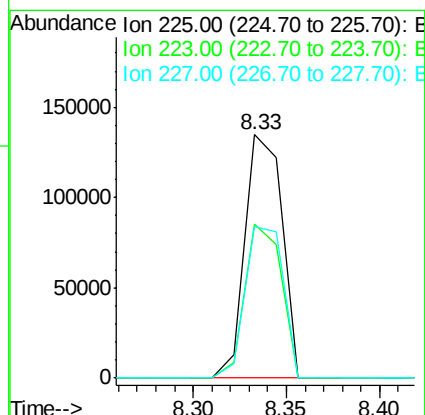
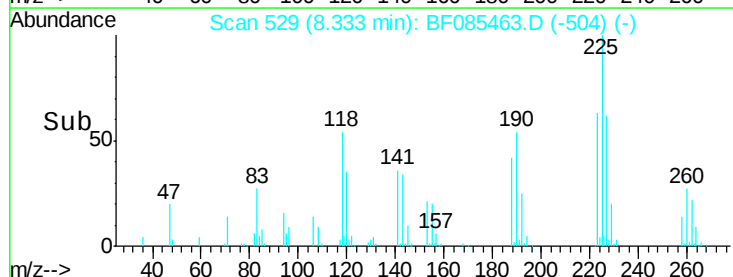
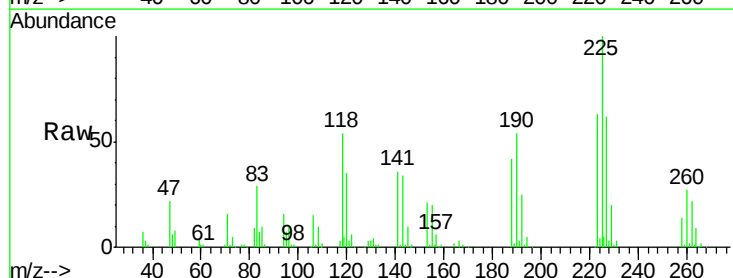
Instrument :
BNA_F
ClientSampleId :

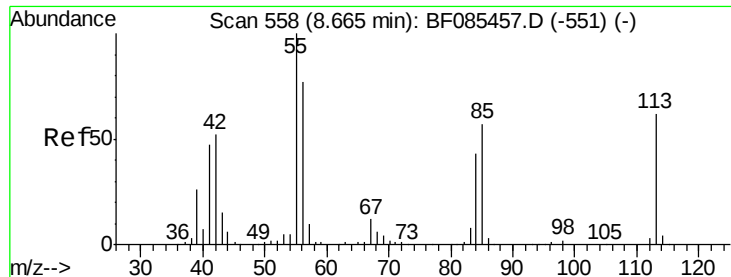
Tot Ion:	127	Resp:	201309
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.1	39.1
65	29.8	27.0	40.6
92	19.8	17.4	26.0



#34
Hexachlorobutadiene
Concen: 38.27 ng
RT: 8.33 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Tgt Ion:	225	Resp:	185730
Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.7	74.5
227	62.4	52.2	78.4

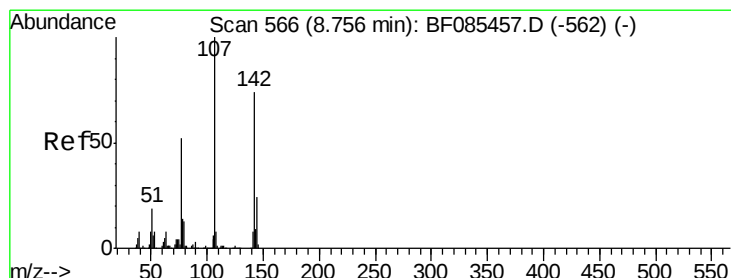
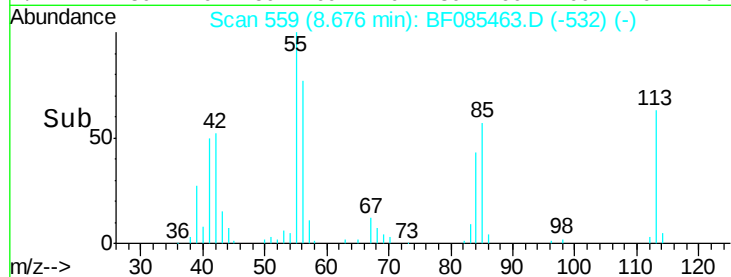
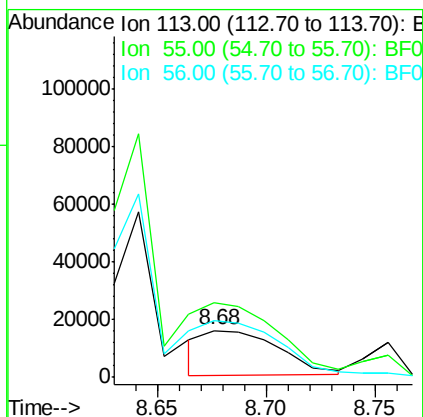
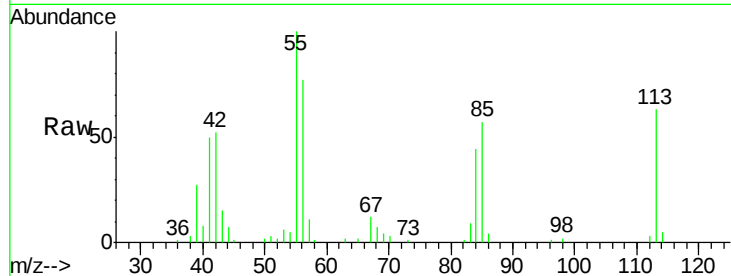




#35
 Caprolactam
 Concen: 14.46 ng
 RT: 8.68 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

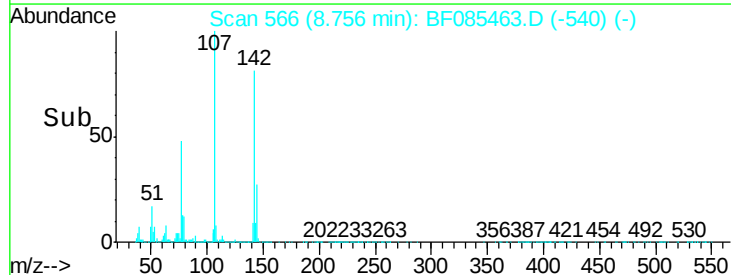
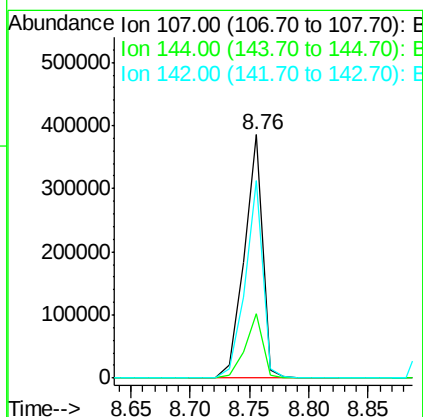
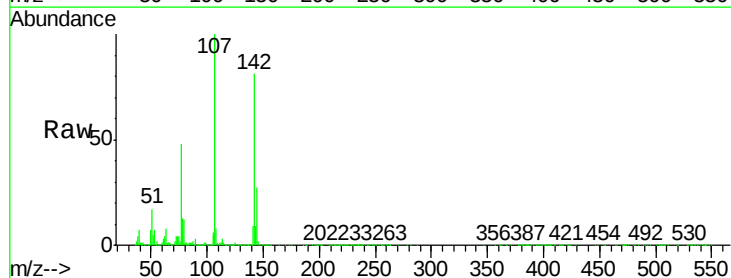
Instrument :
 BNA_F
 ClientSampled :

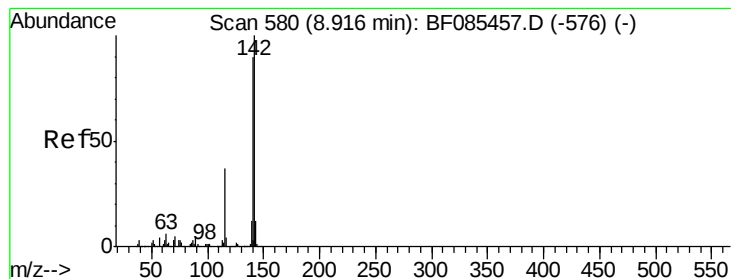
Tot Ion:113 Resp: 37943
 Ion Ratio Lower Upper
 113 100
 55 159.9 152.7 192.7
 56 122.3 109.0 149.0



#36
 4-Chloro-3-methylphenol
 Concen: 45.39 ng
 RT: 8.76 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

Tgt Ion:107 Resp: 416454
 Ion Ratio Lower Upper
 107 100
 144 26.7 19.4 29.2
 142 81.0 59.4 89.2





#37

2-Methylnaphthalene

Concen: 46.18 ng

RT: 8.92 min Scan# 580

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

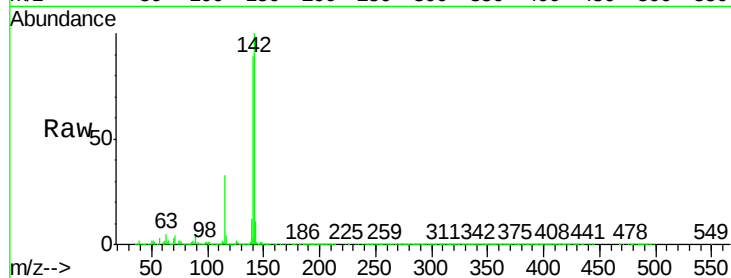
Tot Ion:142 Resp: 871698

Ion Ratio Lower Upper

142 100

141 88.8 71.7 107.5

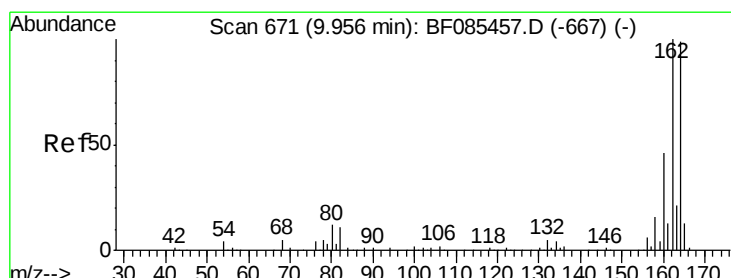
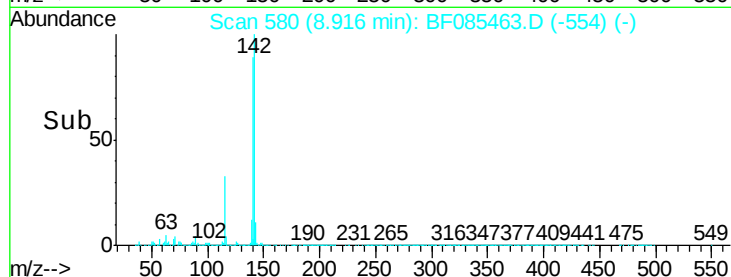
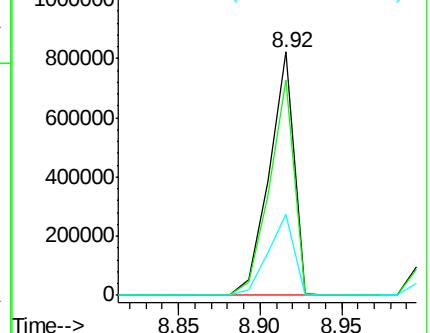
115 33.3 26.2 39.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 671

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

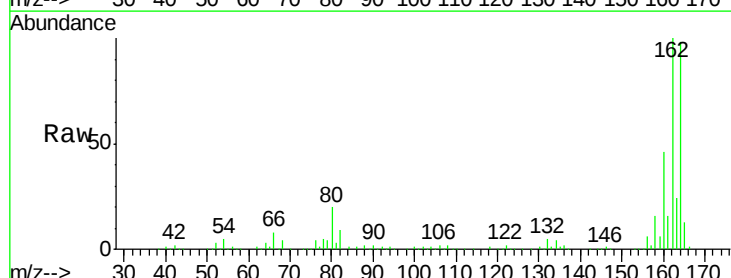
Tgt Ion:164 Resp: 289777

Ion Ratio Lower Upper

164 100

162 102.4 83.3 124.9

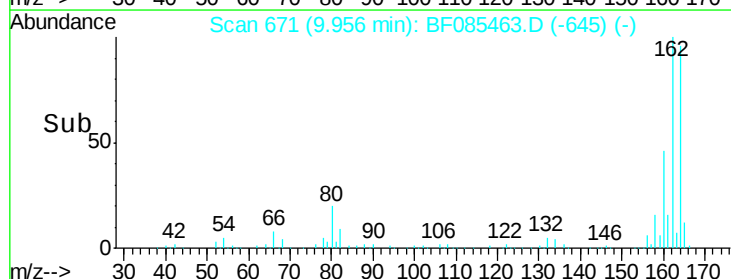
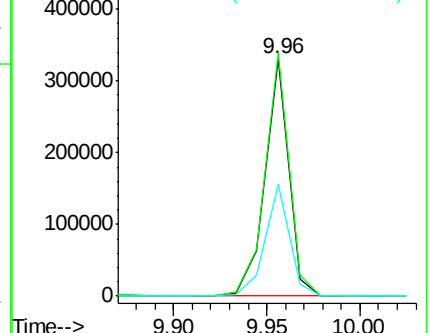
160 46.9 37.9 56.9

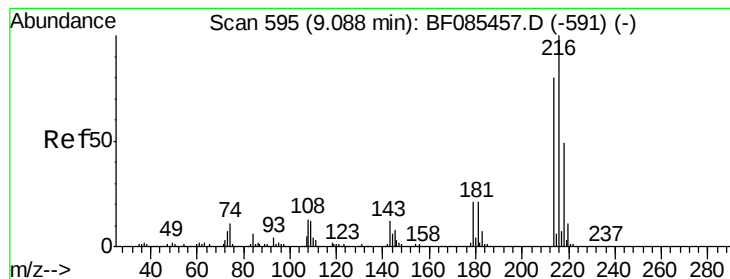


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 33.49 ng

RT: 9.08 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:216 Resp: 301866

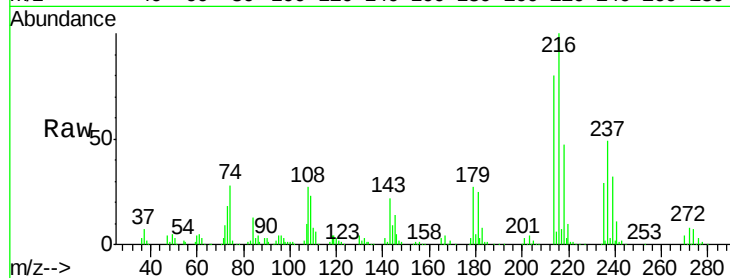
Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.8	95.6
179	23.7	19.6	29.4
108	25.0	19.6	29.4

216 100

214 79.0 63.8 95.6

179 23.7 19.6 29.4

108 25.0 19.6 29.4

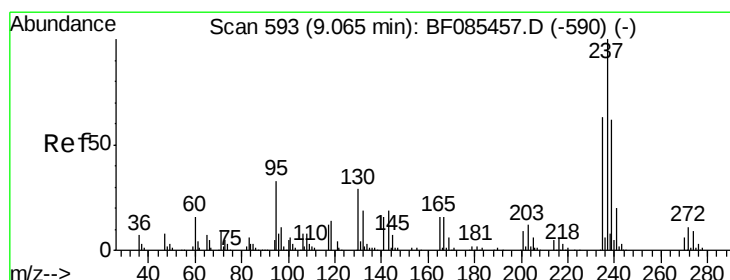
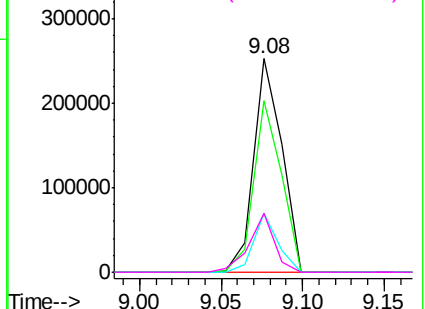
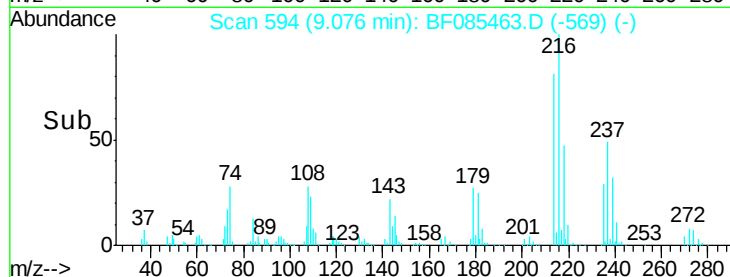


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 78.62 ng

RT: 9.06 min Scan# 593

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

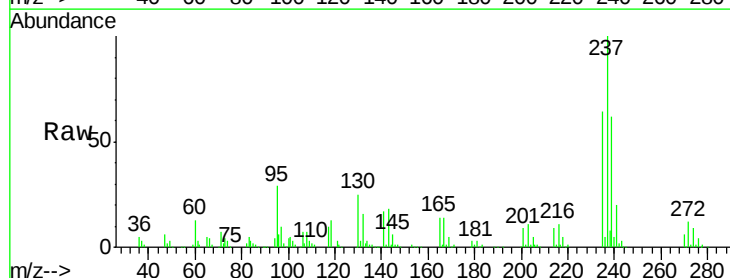
Tgt Ion:237 Resp: 342460

Ion	Ratio	Lower	Upper
237	100		
235	64.1	43.7	83.7
272	11.6	0.0	31.5

237 100

235 64.1 43.7 83.7

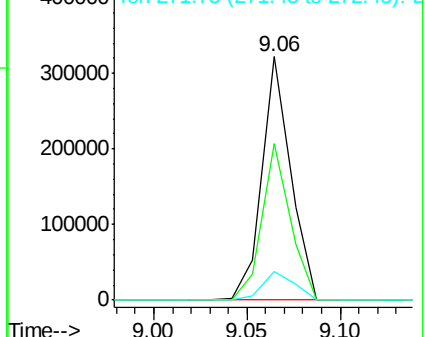
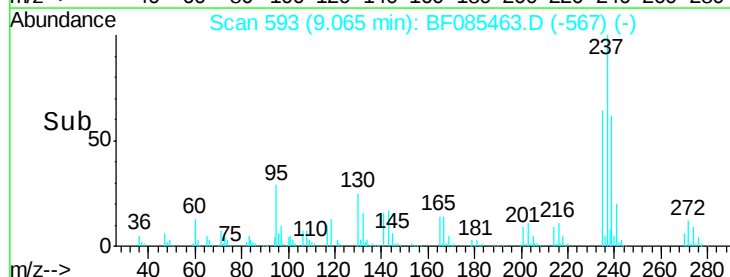
272 11.6 0.0 31.5

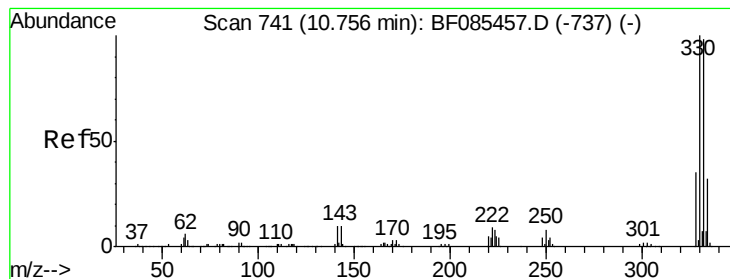


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 126.66 ng

RT: 10.74 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

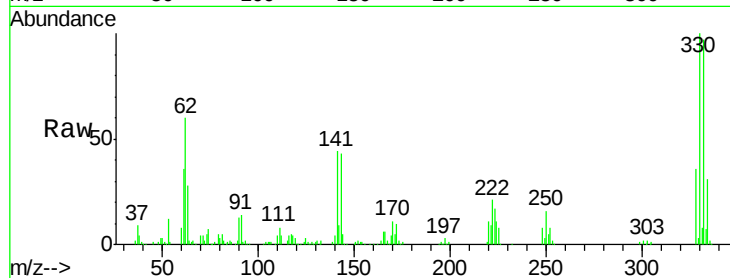
Tot Ion:330 Resp: 338055

Ion Ratio Lower Upper

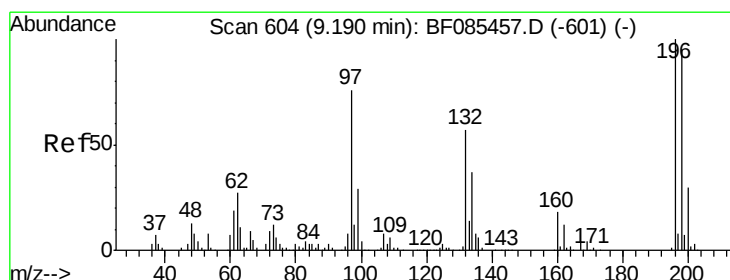
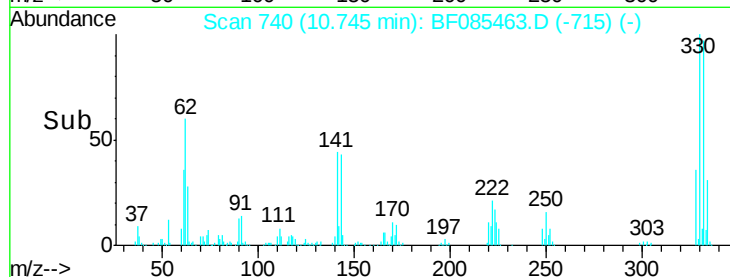
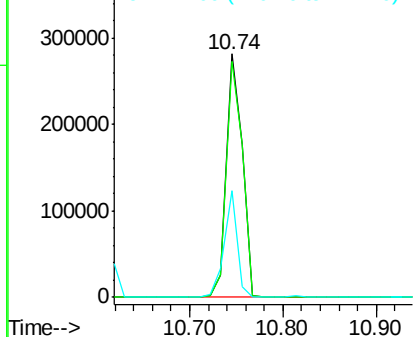
330 100

332 97.8 77.1 115.7

141 35.0 35.0 52.6#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 41.92 ng

RT: 9.19 min Scan# 604

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

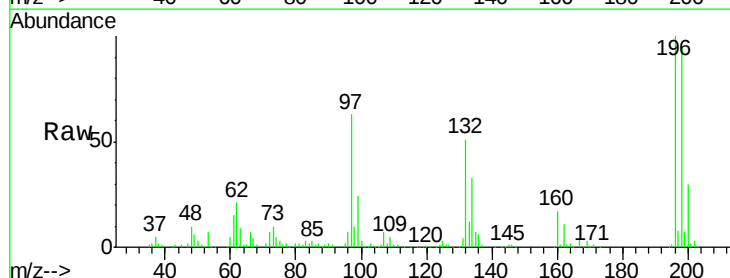
Tgt Ion:196 Resp: 249511

Ion Ratio Lower Upper

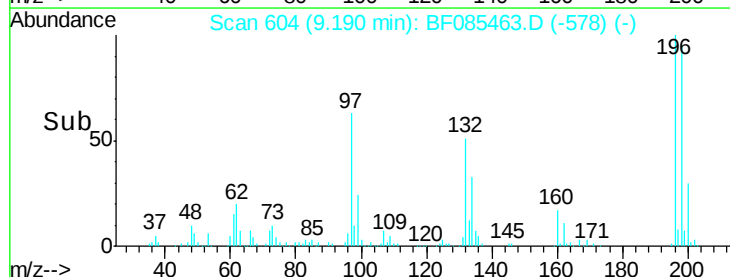
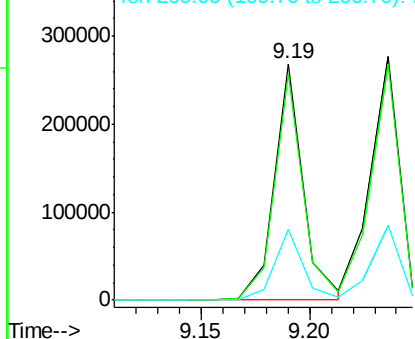
196 100

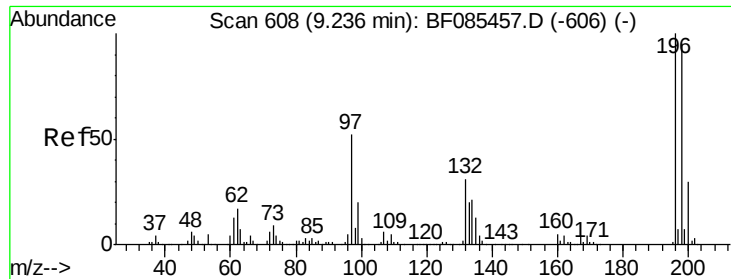
198 95.5 77.8 116.6

200 30.2 25.0 37.6



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E

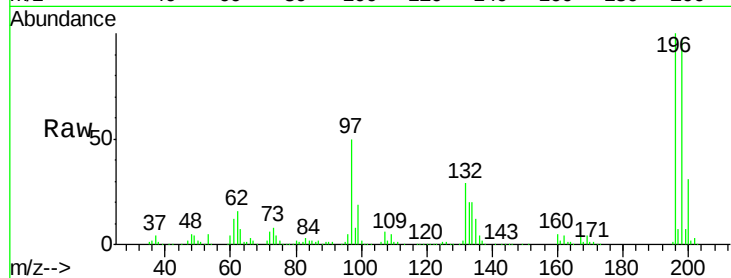




#43
 2,4,5-Trichlorophenol
 Concen: 42.94 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ion	Ratio	Lower	Upper
196	100			
198	97.2	75.7	113.5	
97	49.8	46.4	69.6	
132	29.5	26.2	39.4	



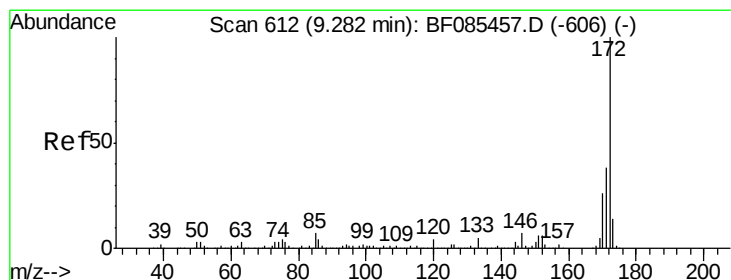
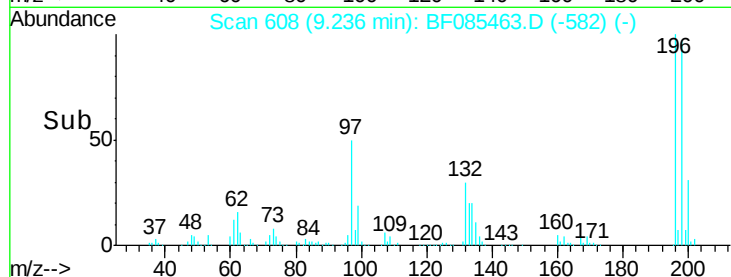
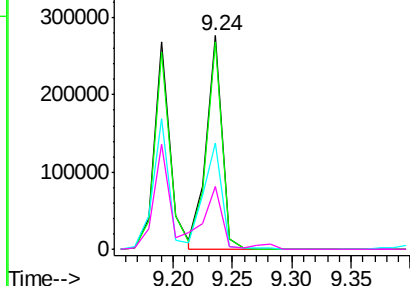
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

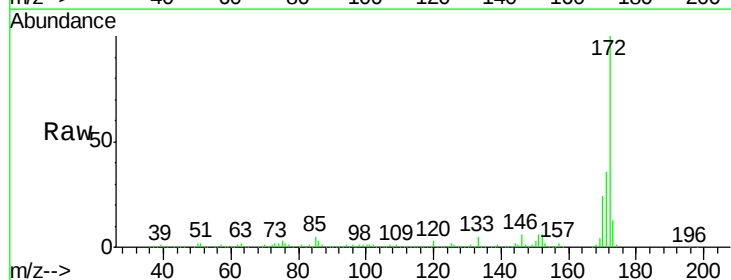
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 100.03 ng
 RT: 9.28 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

Tgt Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.1	29.3	43.9	
170	24.4	20.0	30.0	

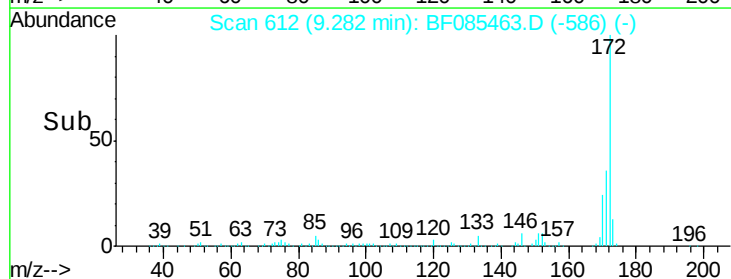
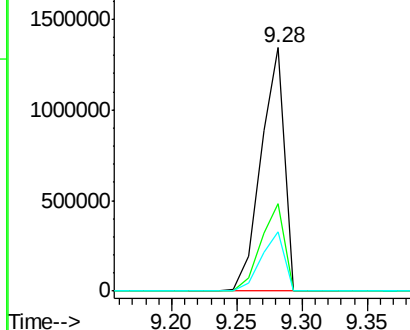


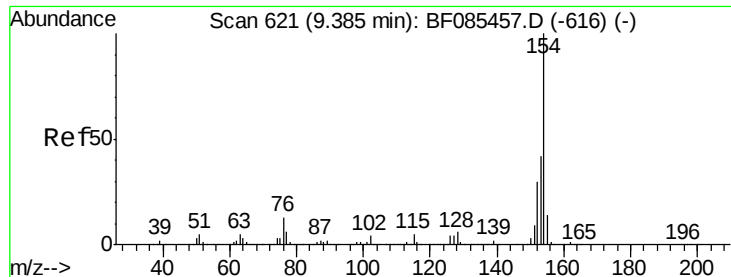
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 38.28 ng

RT: 9.37 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampled :

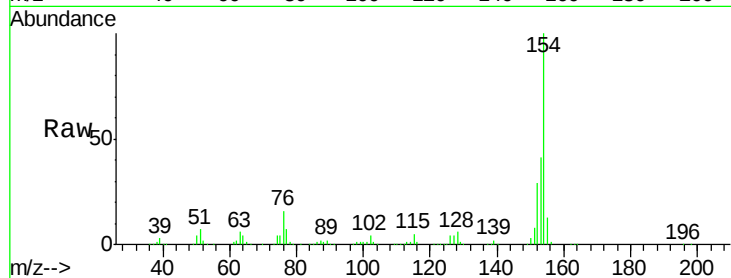
Tot Ion:154 Resp: 905413

Ion Ratio Lower Upper

154 100

153 40.6 21.4 61.4

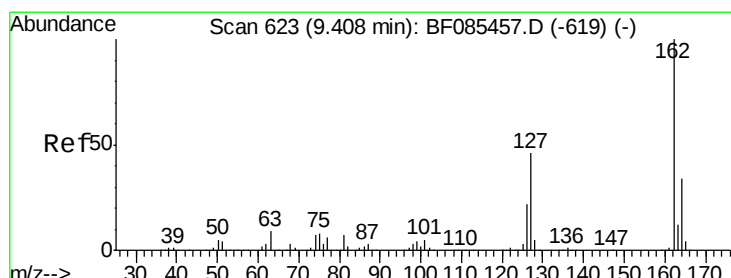
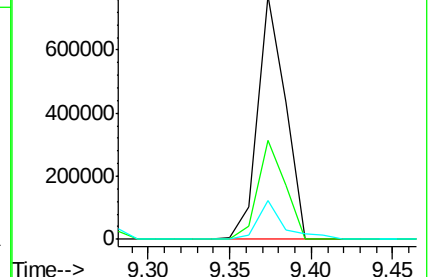
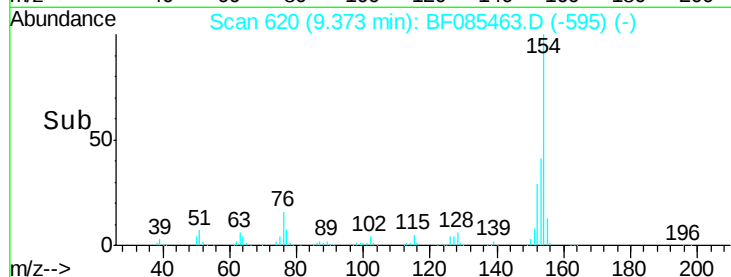
76 16.0 0.0 37.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 42.17 ng

RT: 9.41 min Scan# 623

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

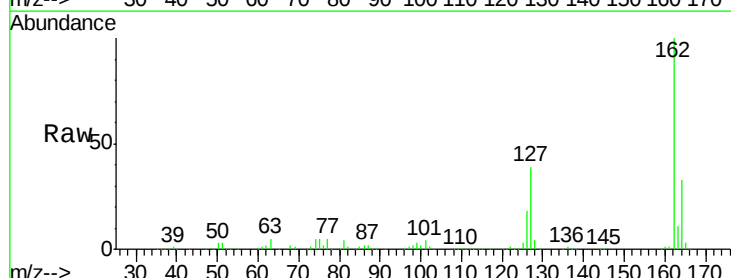
Tgt Ion:162 Resp: 747381

Ion Ratio Lower Upper

162 100

127 39.0 31.6 47.4

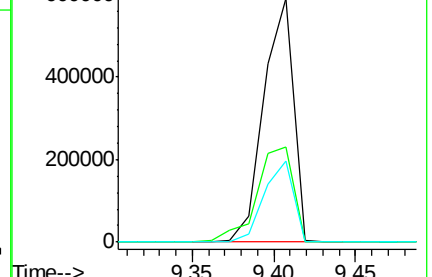
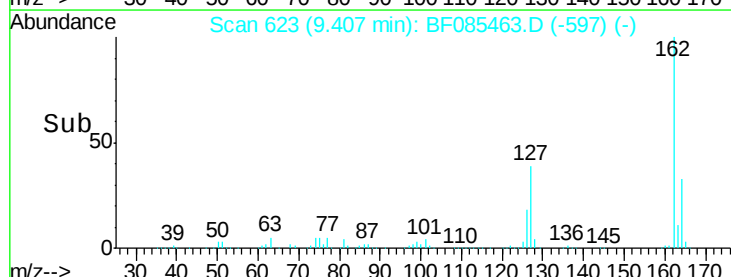
164 33.4 27.1 40.7

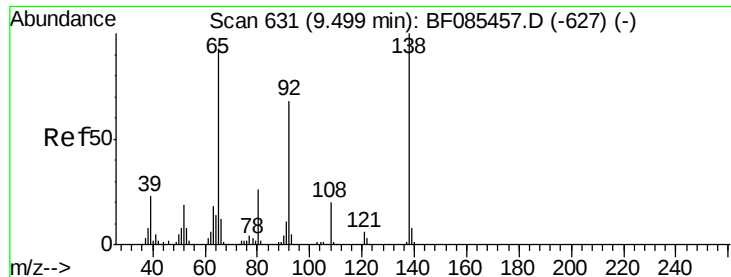


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 47.64 ng

RT: 9.50 min Scan# 631

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

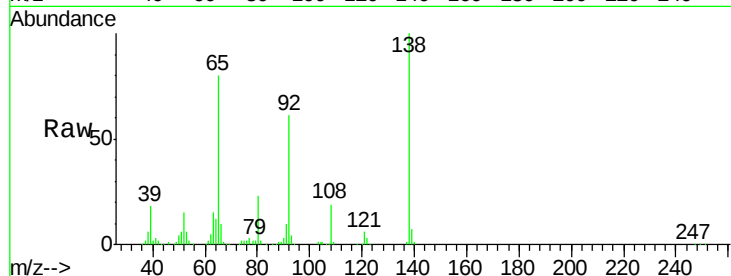
Tot Ion: 65 Resp: 255644

Ion Ratio Lower Upper

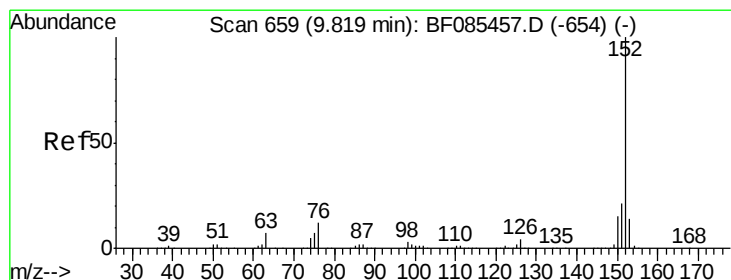
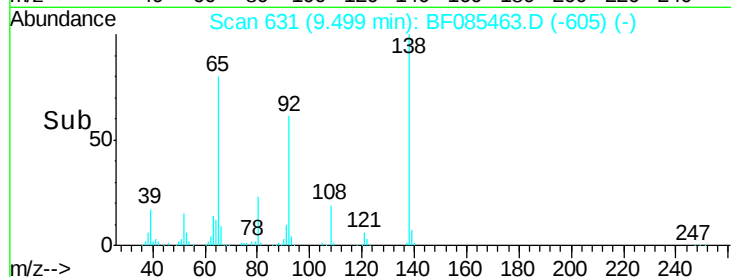
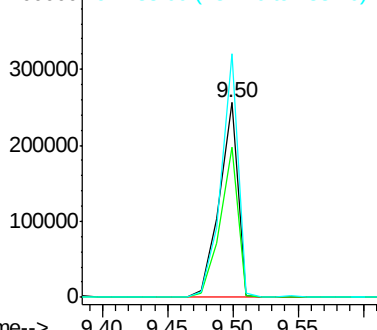
65 100

92 76.9 55.4 83.2

138 125.1 75.7 113.5#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 42.09 ng

RT: 9.82 min Scan# 659

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

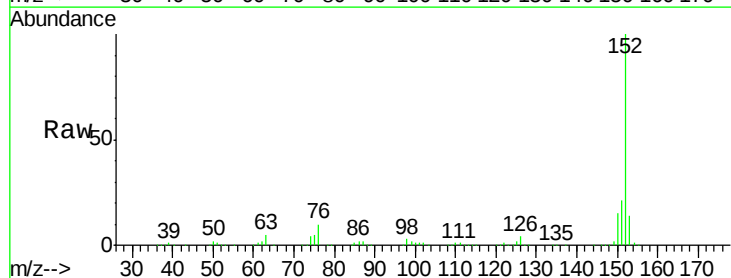
Tgt Ion: 152 Resp: 1206806

Ion Ratio Lower Upper

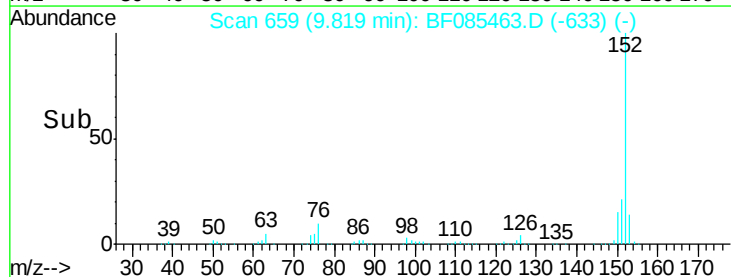
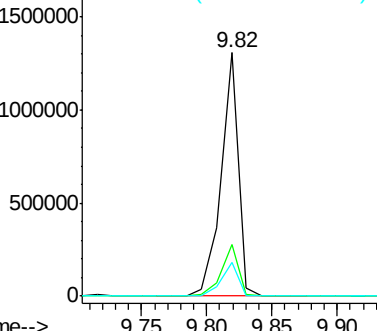
152 100

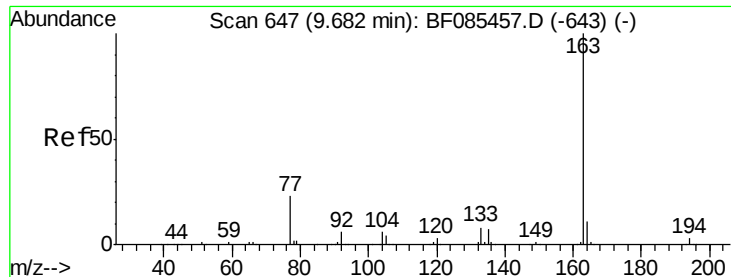
151 21.0 17.5 26.3

153 13.6 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

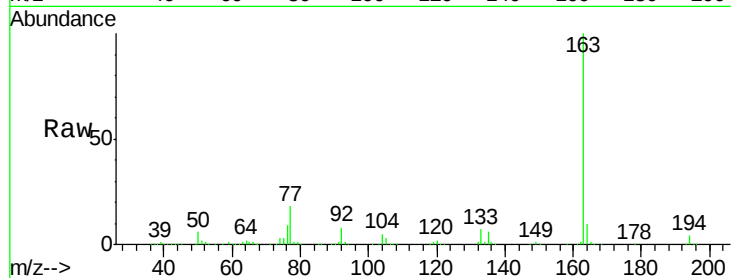




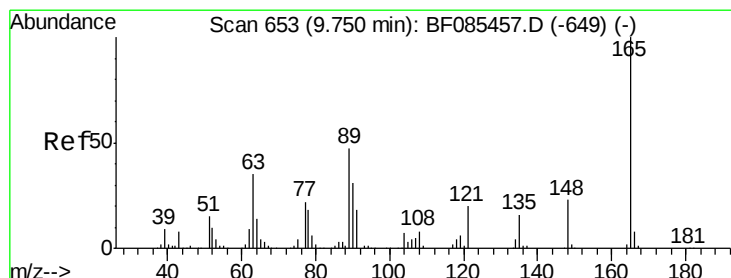
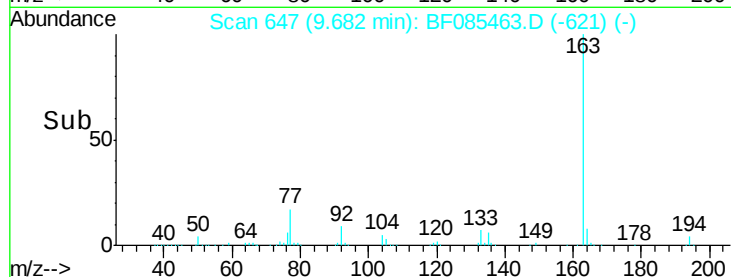
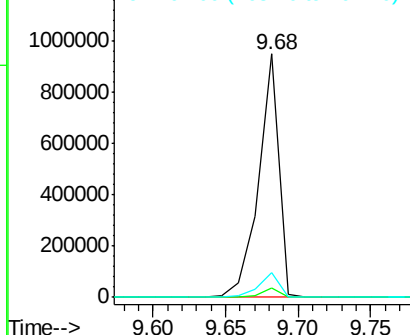
#49
Dimethylphthalate
Concen: 43.62 ng
RT: 9.68 min Scan# 647
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 922229
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.3 8.2 12.4

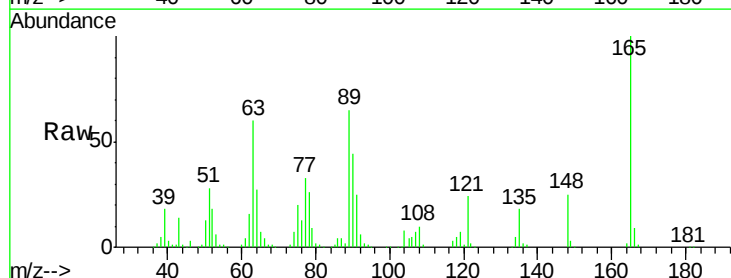


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

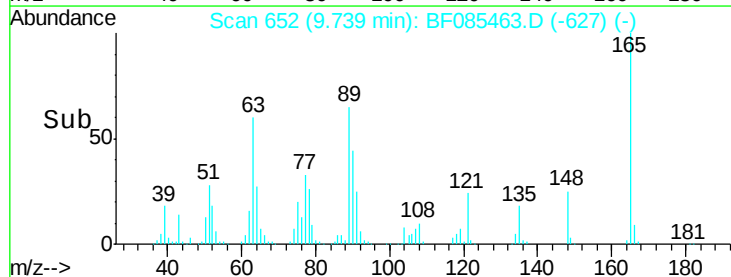
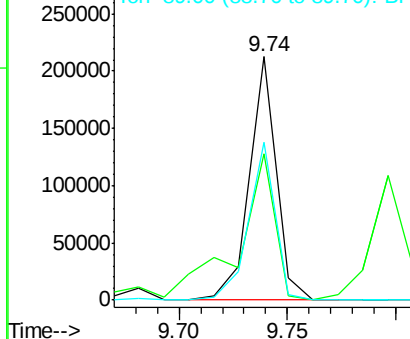


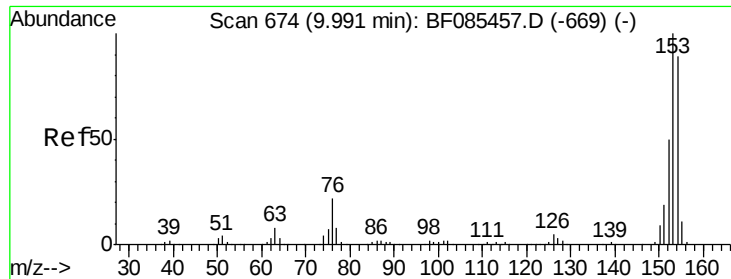
#50
2,6-Dinitrotoluene
Concen: 38.96 ng
RT: 9.74 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Tgt Ion:165 Resp: 181959
Ion Ratio Lower Upper
165 100
63 60.2 41.8 62.8
89 64.9 46.7 70.1



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

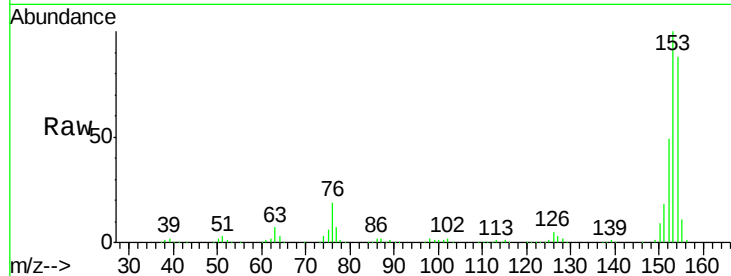




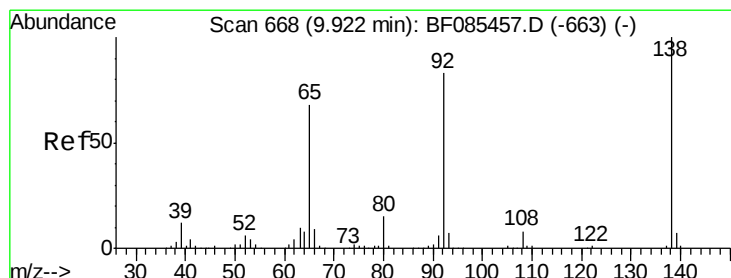
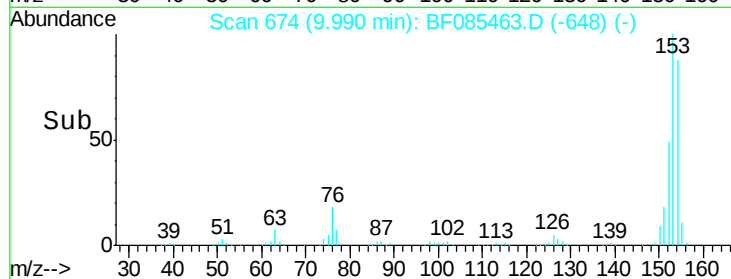
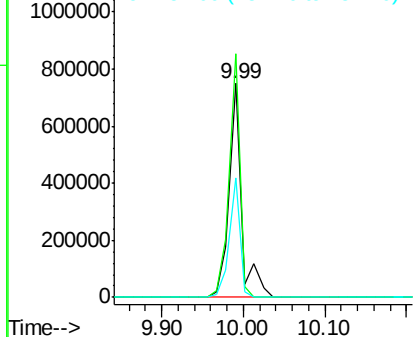
#51
Acenaphthene
Concen: 43.94 ng
RT: 9.99 min Scan# 674
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:154 Resp: 792104
Ion Ratio Lower Upper
154 100
153 113.8 89.8 134.8
152 56.0 44.6 66.8

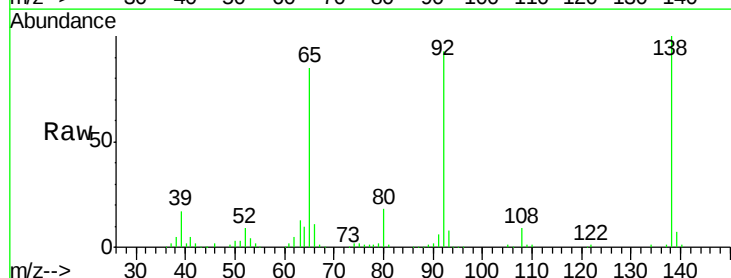


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

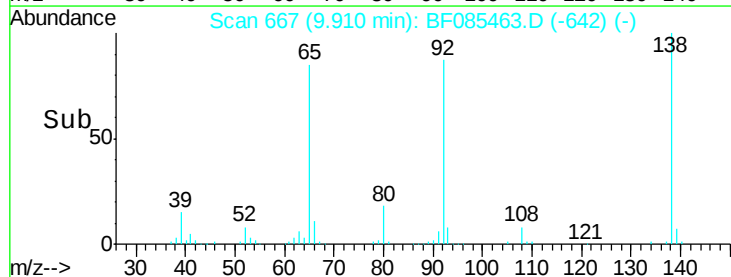
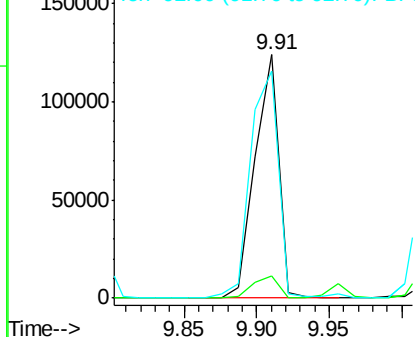


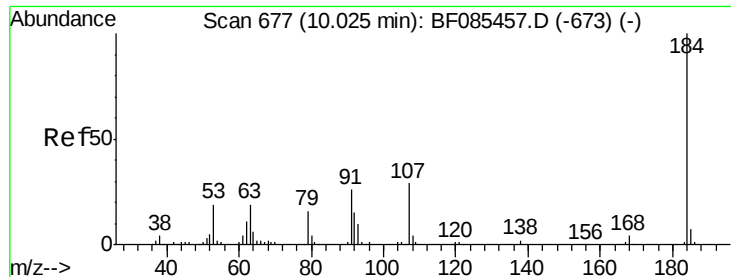
#52
3-Nitroaniline
Concen: 25.15 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.01 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Tgt Ion:138 Resp: 140454
Ion Ratio Lower Upper
138 100
108 9.0 7.8 11.6
92 93.1 81.3 121.9



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

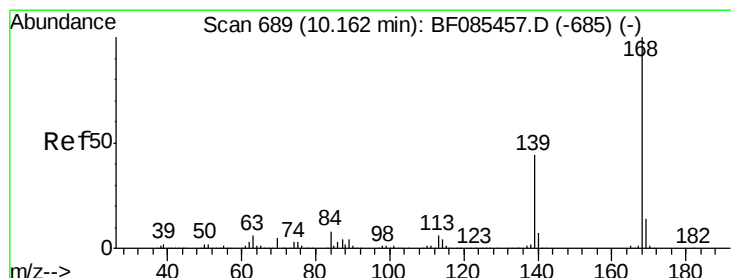
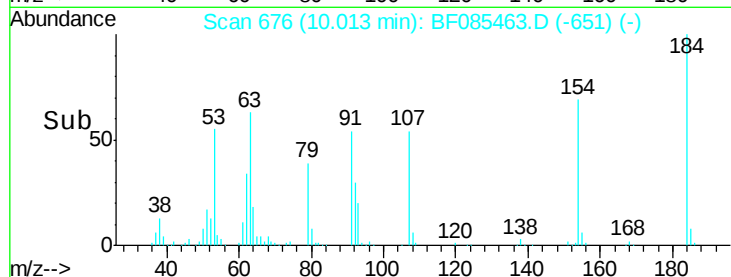
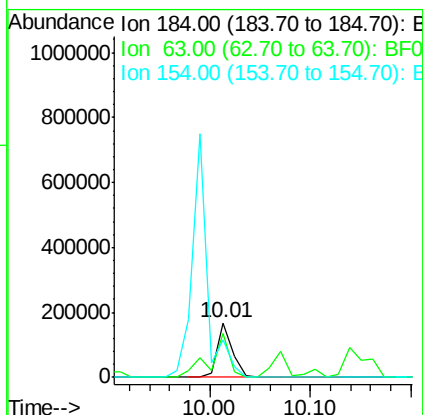
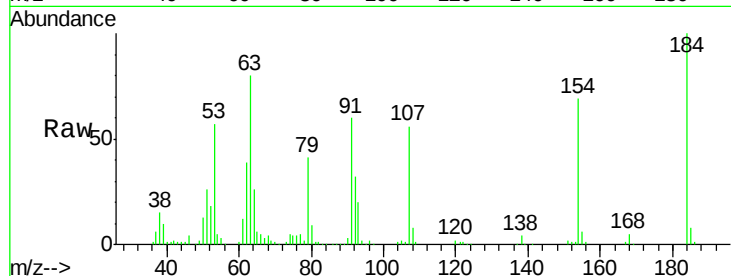




#53
 2,4-Dinitrophenol
 Concen: 69.54 ng
 RT: 10.01 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

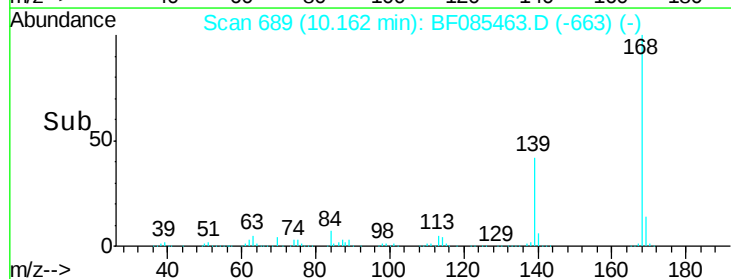
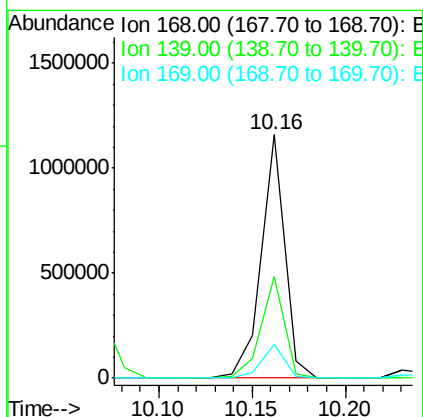
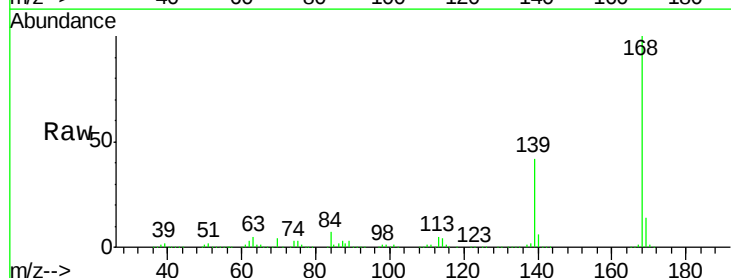
Instrument :
 BNA_F
 ClientSampled :

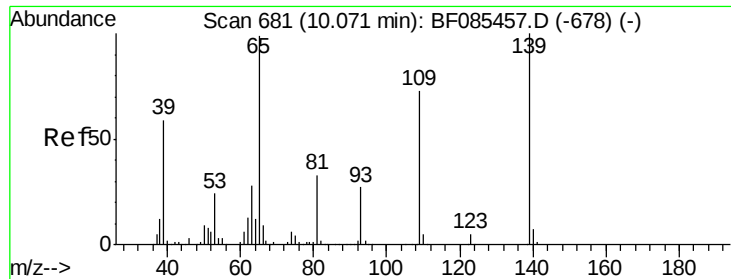
Tot Ion:184 Resp: 175386
 Ion Ratio Lower Upper
 184 100
 63 79.6 82.2 123.4#
 154 69.2 108.9 163.3#



#54
 Dibenzofuran
 Concen: 45.19 ng
 RT: 10.16 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

Tgt Ion:168 Resp: 1000642
 Ion Ratio Lower Upper
 168 100
 139 41.9 33.6 50.4
 169 13.8 11.2 16.8

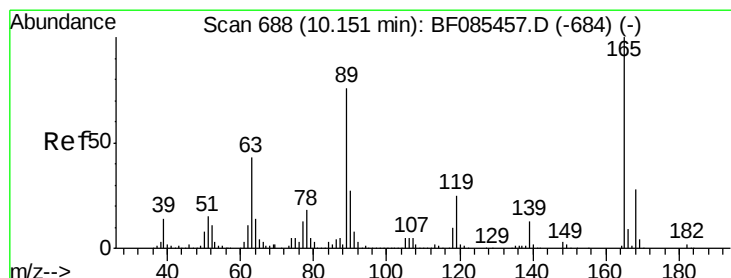
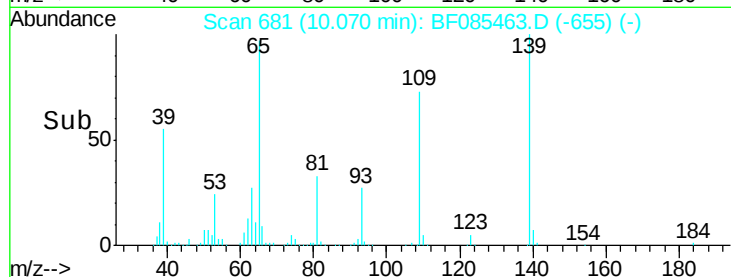
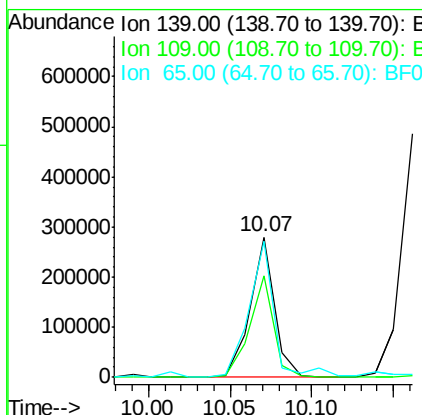
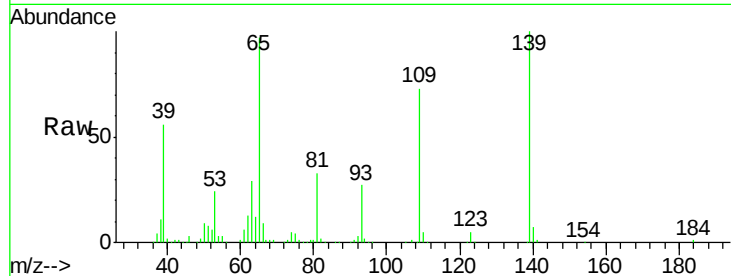




#55
4-Nitrophenol
Concen: 75.67 ng
RT: 10.07 min Scan# 681
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

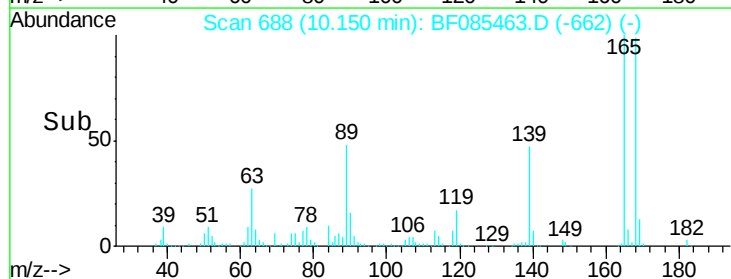
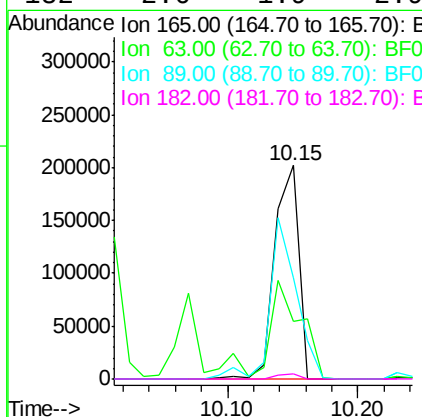
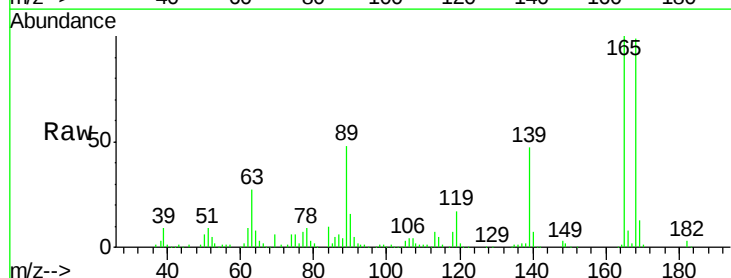
Instrument :
BNA_F
ClientSampleId :

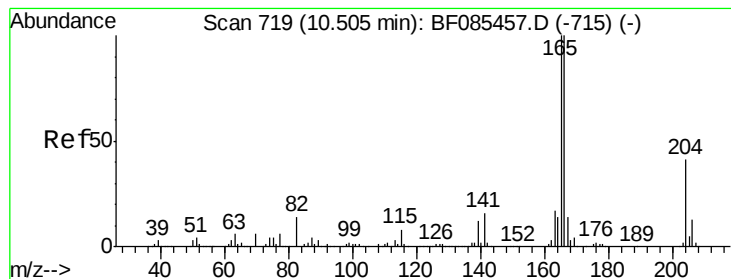
Tot Ion:139 Resp: 290889
Ion Ratio Lower Upper
139 100
109 72.6 41.9 81.9
65 96.6 48.3 88.3#



#56
2,4-Dinitrotoluene
Concen: 44.82 ng
RT: 10.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Tgt Ion:165 Resp: 262563
Ion Ratio Lower Upper
165 100
63 26.7 35.4 53.0#
89 47.5 61.9 92.9#
182 2.6 1.9 2.9





#57

Fluorene

Concen: 44.40 ng

RT: 10.50 min Scan# 719

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampled :

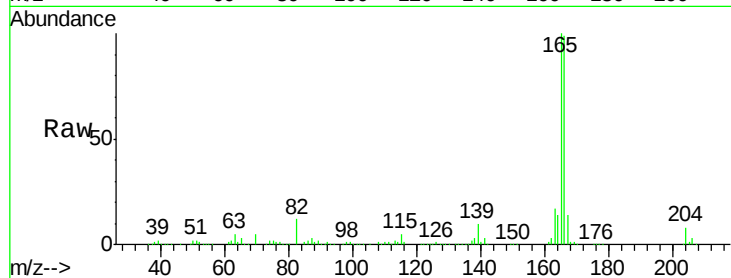
Tot Ion:166 Resp: 784002

Ion Ratio Lower Upper

166 100

165 100.7 79.4 119.0

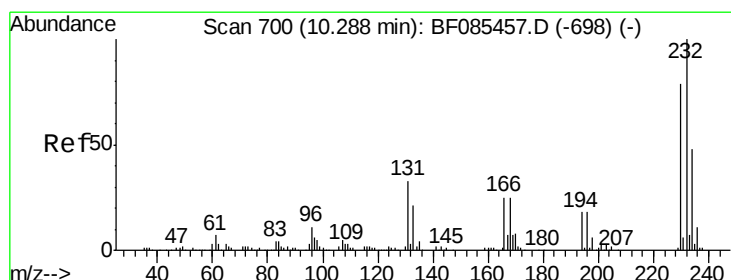
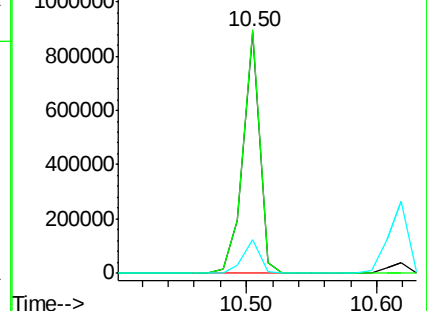
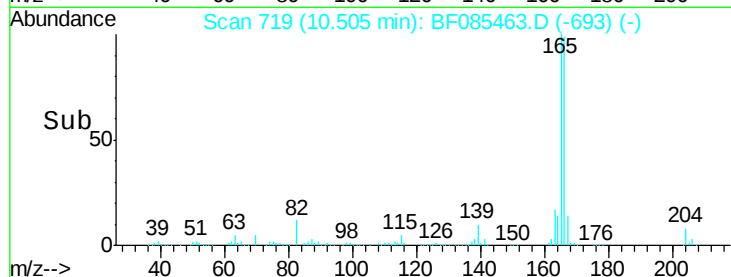
167 13.7 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 44.50 ng

RT: 10.28 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Tgt Ion:232 Resp: 183705

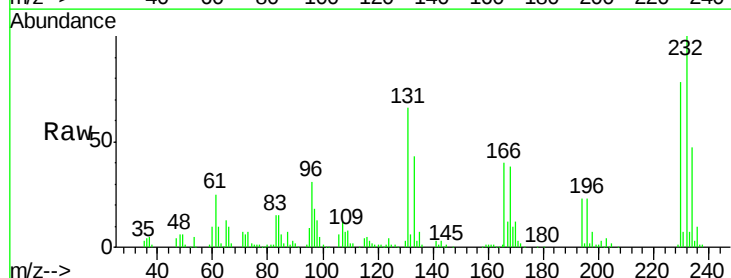
Ion Ratio Lower Upper

232 100

131 55.9 46.0 69.0

130 2.7 2.2 3.4

166 34.4 28.8 43.2

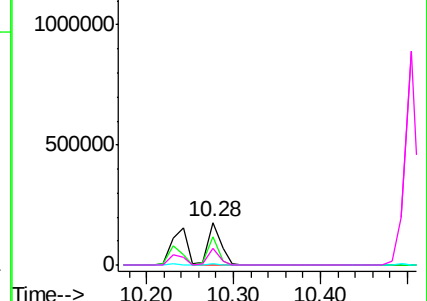
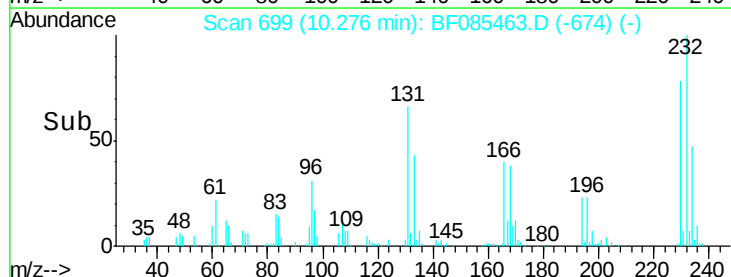


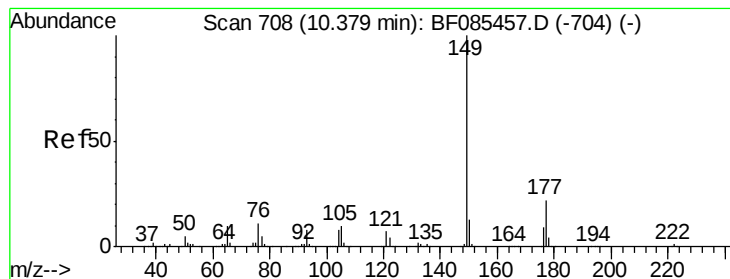
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 42.42 ng

RT: 10.38 min Scan# 708

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

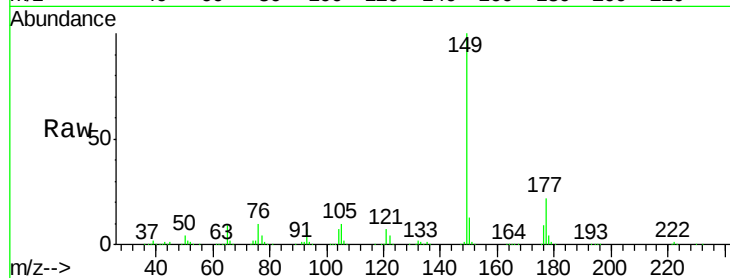
Tot Ion:149 Resp: 868132

Ion Ratio Lower Upper

149 100

177 22.3 19.2 28.8

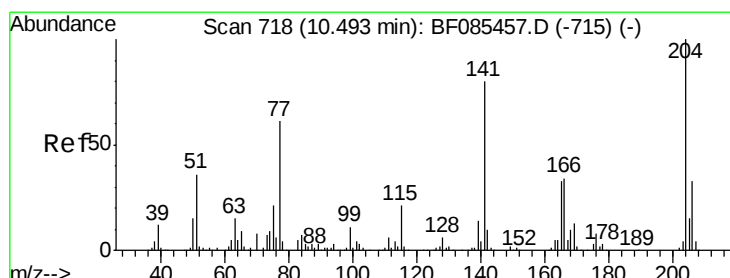
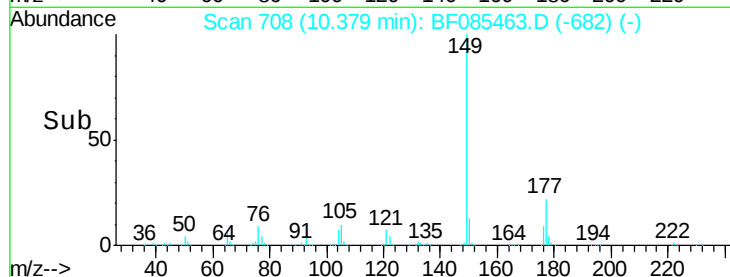
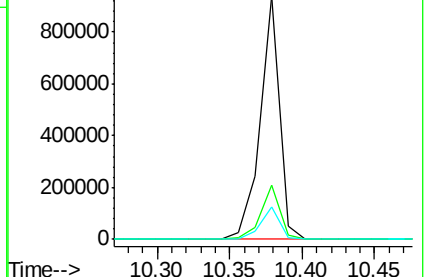
150 13.1 9.9 14.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 38.70 ng

RT: 10.49 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

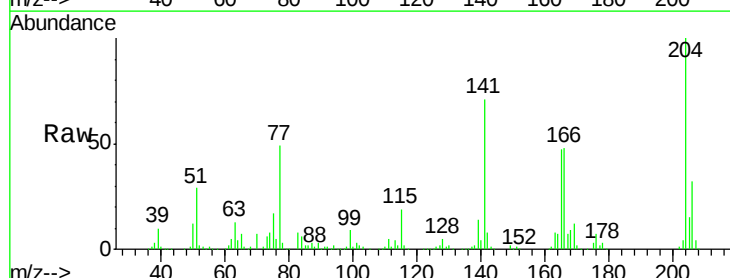
Tgt Ion:204 Resp: 351120

Ion Ratio Lower Upper

204 100

206 32.1 26.5 39.7

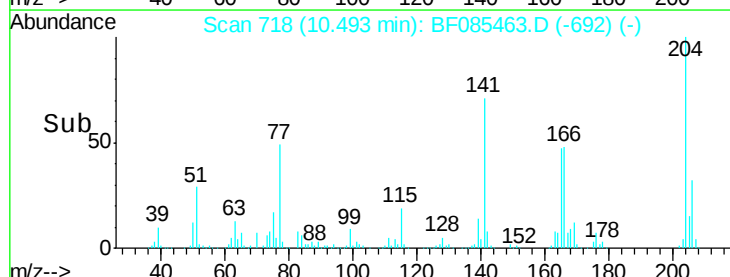
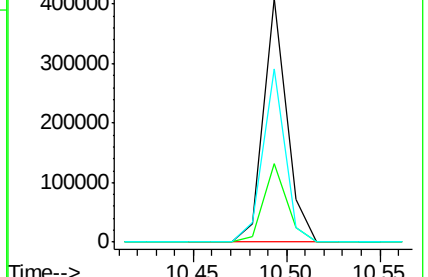
141 70.9 55.4 83.2

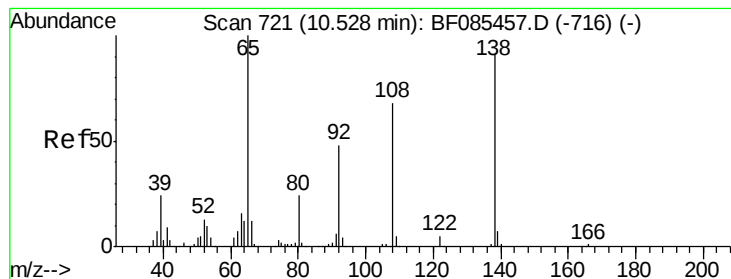


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

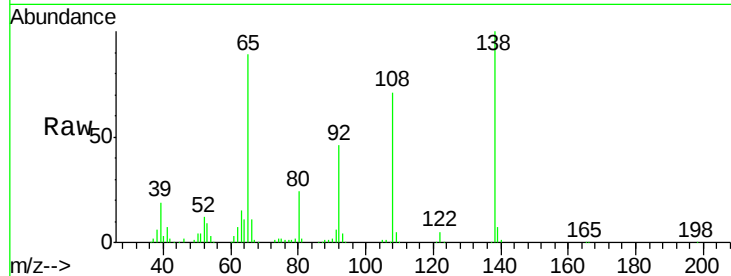




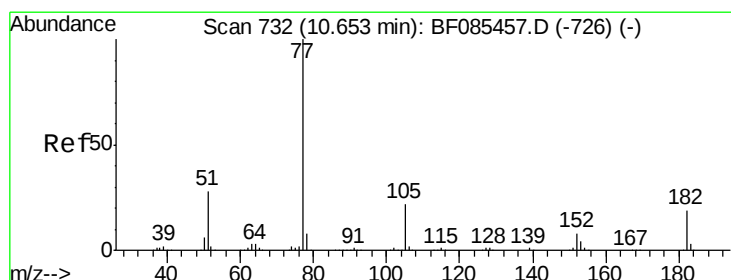
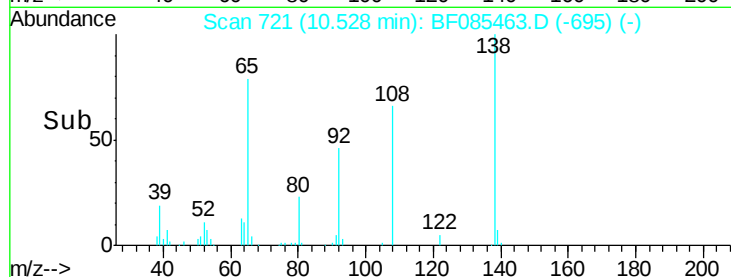
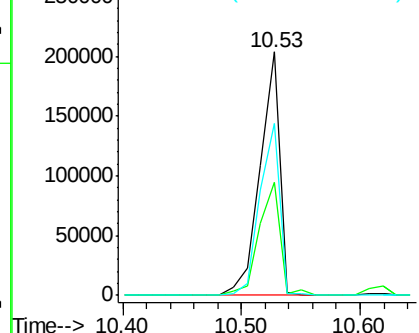
#61
4-Nitroaniline
Concen: 45.13 ng
RT: 10.53 min Scan# 721
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:138 Resp: 236975
Ion Ratio Lower Upper
138 100
92 46.4 34.2 74.2
108 70.7 53.9 93.9

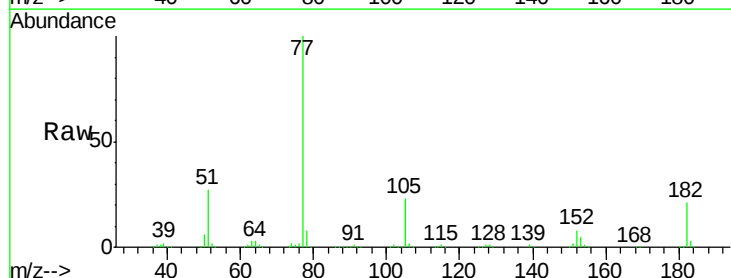


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

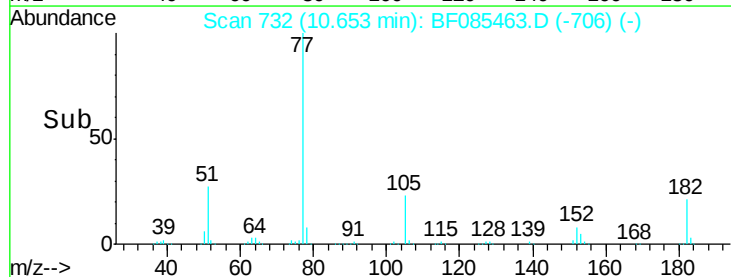
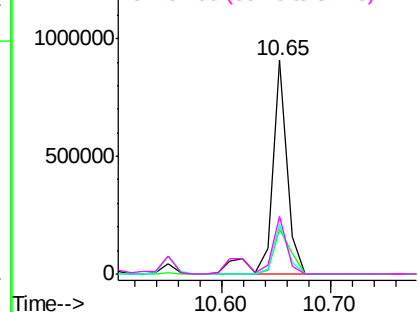


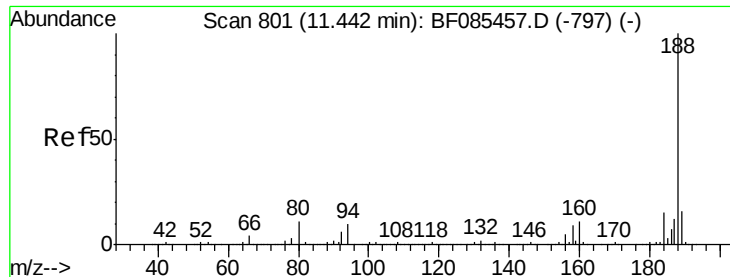
#62
Azobenzene
Concen: 44.42 ng
RT: 10.65 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Tgt Ion: 77 Resp: 902767
Ion Ratio Lower Upper
77 100
182 20.8 2.1 42.1
105 23.3 3.8 43.8
51 27.2 7.8 47.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

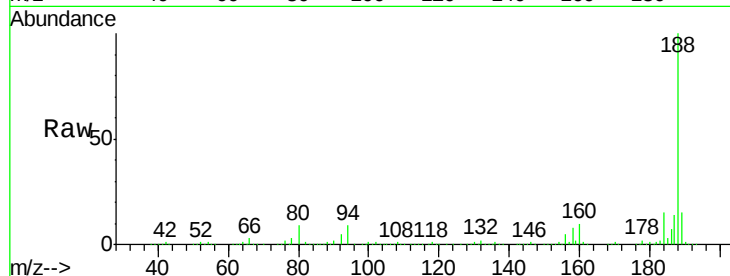




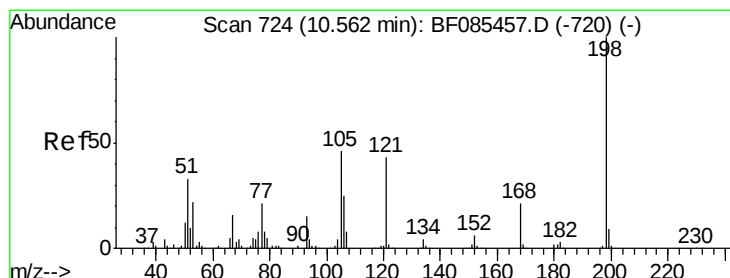
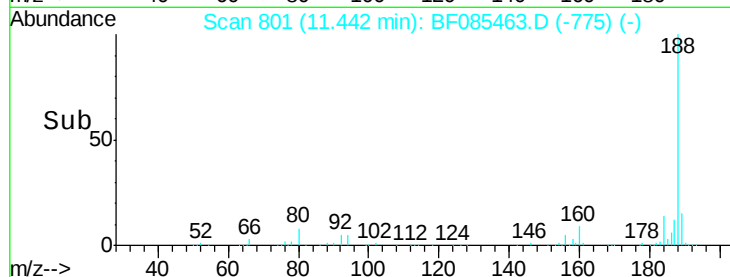
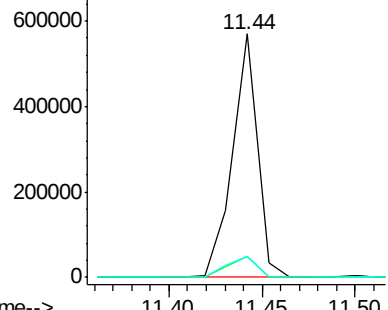
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 527145
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.6
80 8.6 7.4 11.0

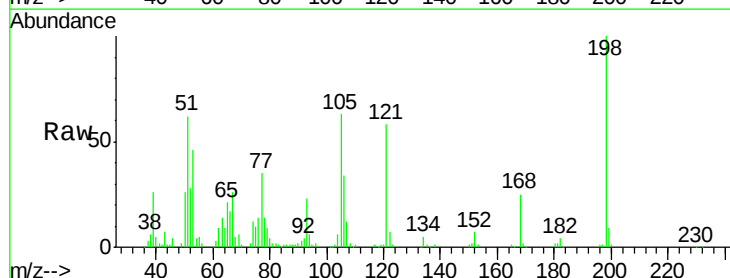


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

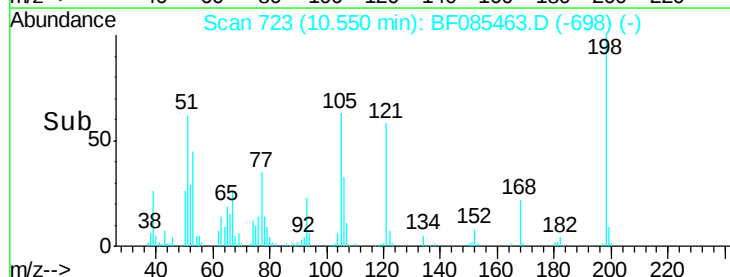
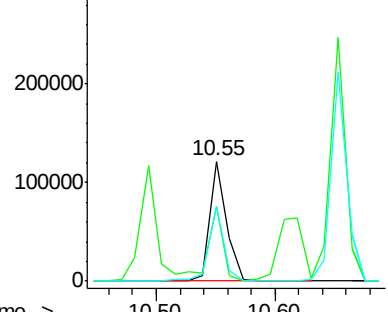


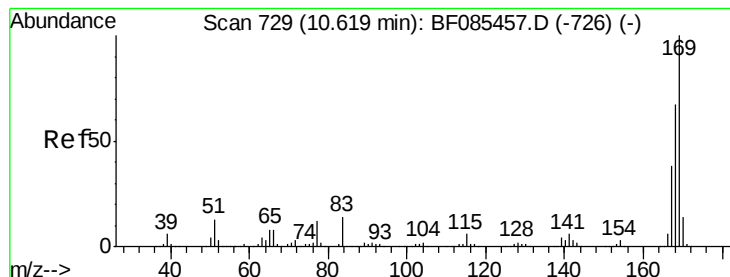
#64
4,6-Dinitro-2-methylphenol
Concen: 37.82 ng
RT: 10.55 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Tgt Ion:198 Resp: 119104
Ion Ratio Lower Upper
198 100
51 61.9 9.5 49.5#
105 62.8 20.5 60.5#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

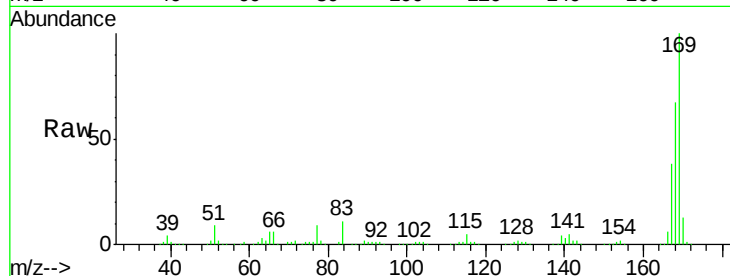




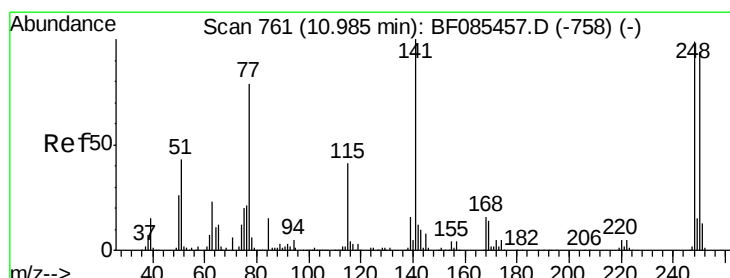
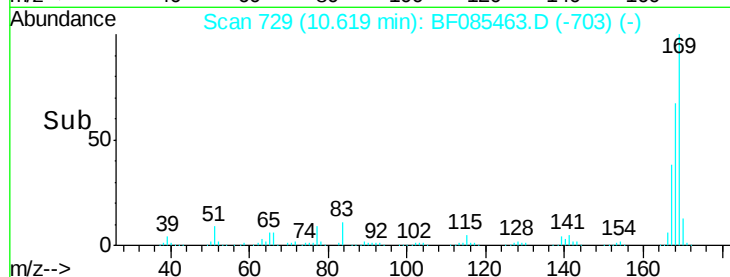
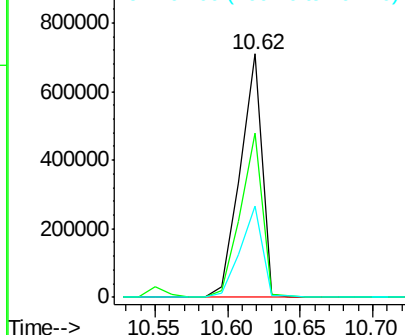
#65
 n-Nitrosodiphenylamine
 Concen: 45.74 ng
 RT: 10.62 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 742992
 Ion Ratio Lower Upper
 169 100
 168 67.3 54.8 82.2
 167 37.6 30.3 45.5

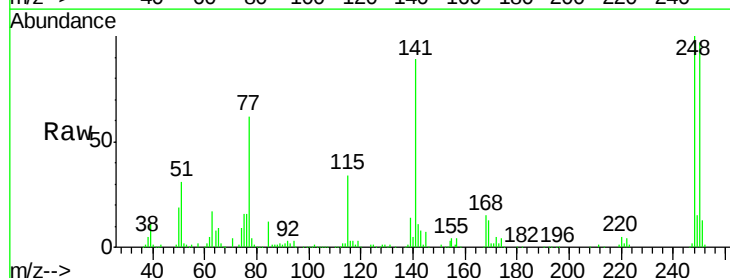


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

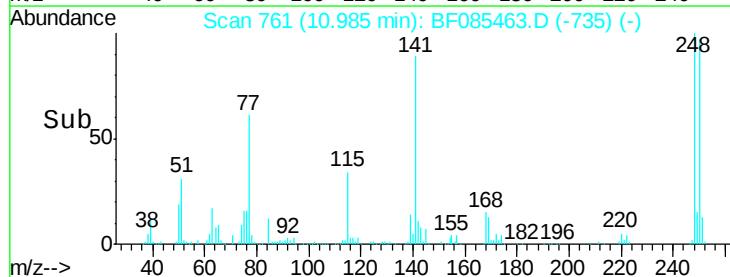
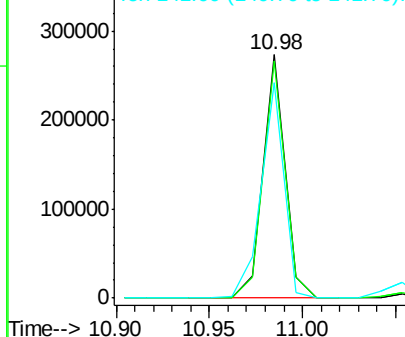


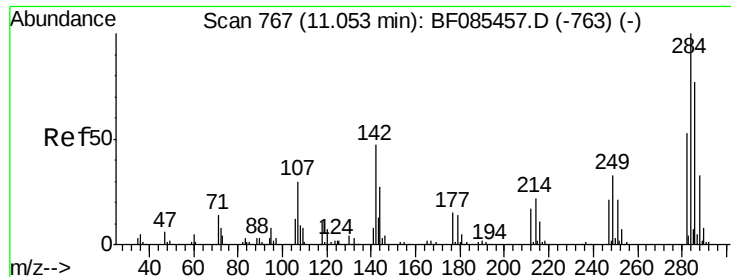
#66
 4-Bromophenyl-phenylether
 Concen: 41.42 ng
 RT: 10.98 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

Tgt Ion:248 Resp: 220987
 Ion Ratio Lower Upper
 248 100
 250 97.4 77.1 115.7
 141 88.6 66.2 99.2



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

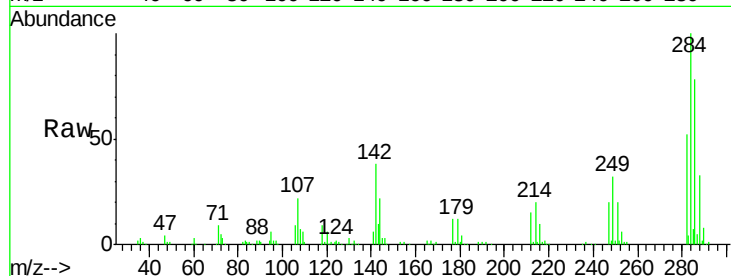




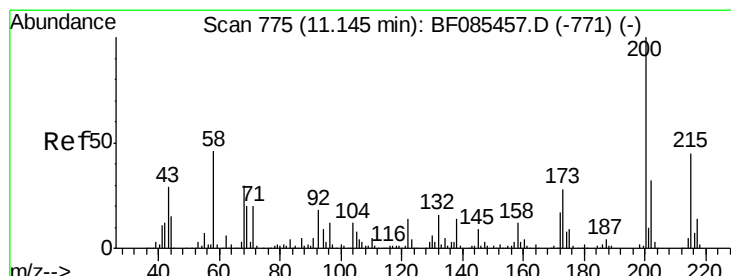
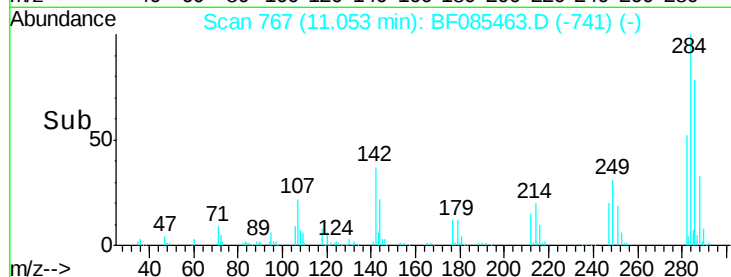
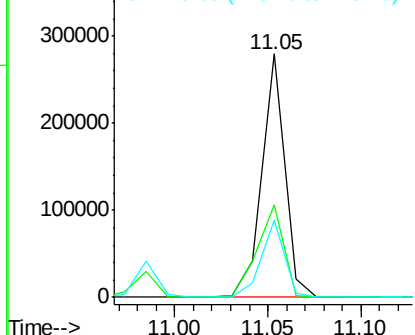
#67
Hexachlorobenzene
Concen: 42.87 ng
RT: 11.05 min Scan# 767
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
284	100		
142	37.9	24.9	37.3#
249	31.9	25.0	37.4

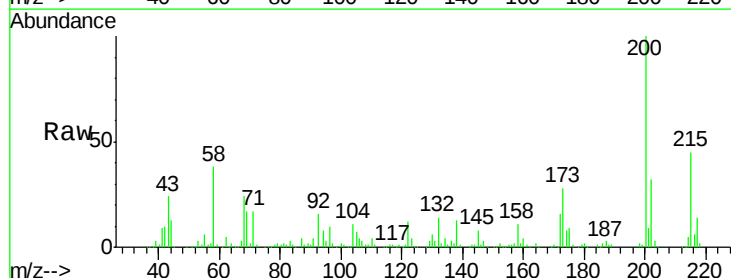


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

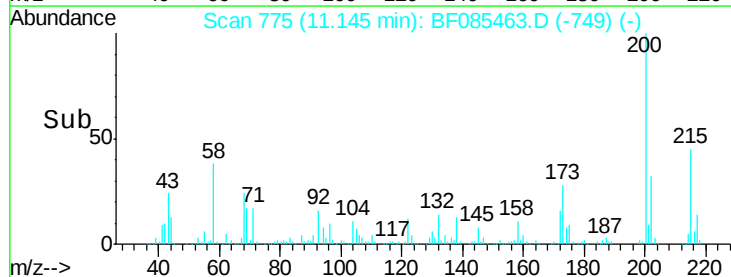
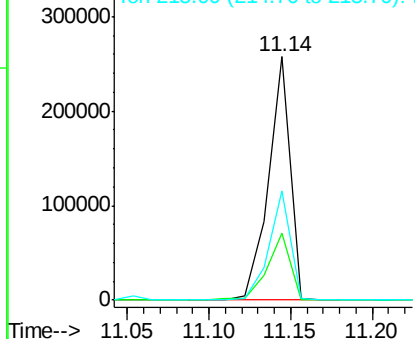


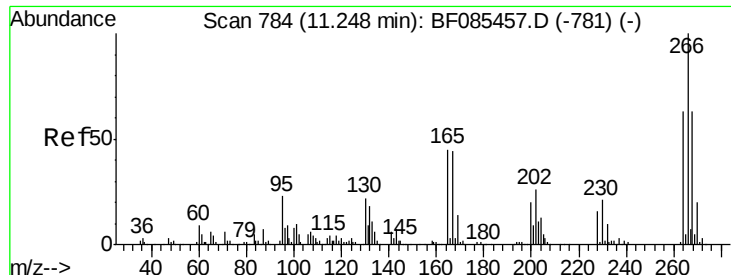
#68
Atrazine
Concen: 51.47 ng
RT: 11.14 min Scan# 775
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.8	10.5	50.5
215	45.0	23.4	63.4



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

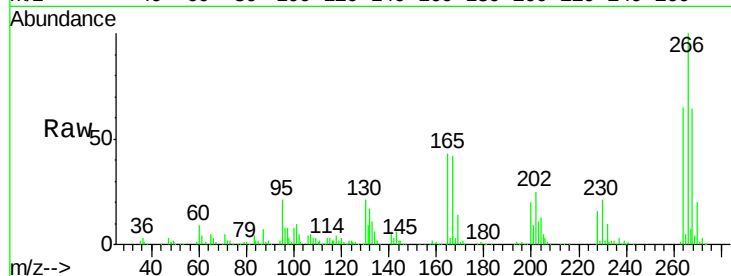




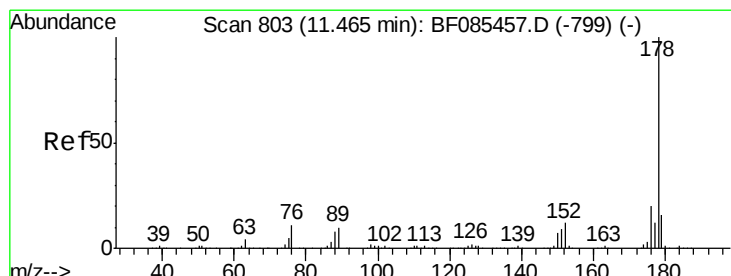
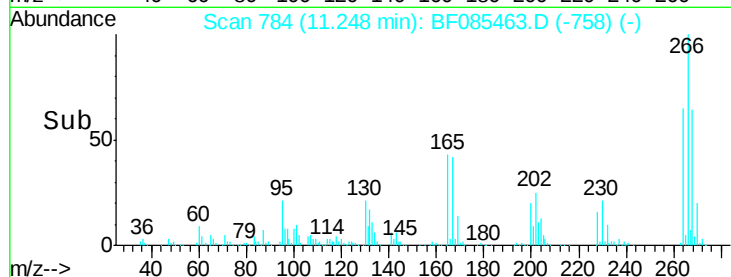
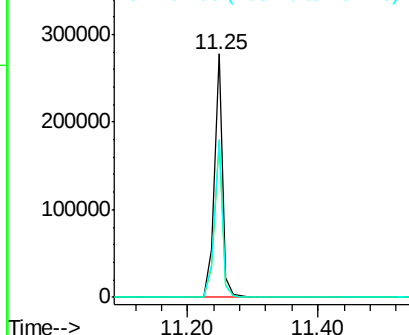
#69
 Pentachlorophenol
 Concen: 86.00 ng
 RT: 11.25 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 250939
 Ion Ratio Lower Upper
 266 100
 268 64.0 50.0 75.0
 264 64.6 51.4 77.2

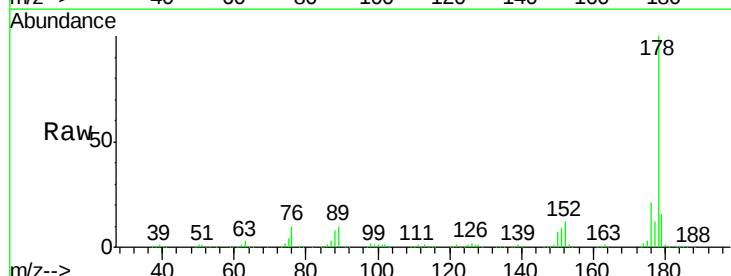


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

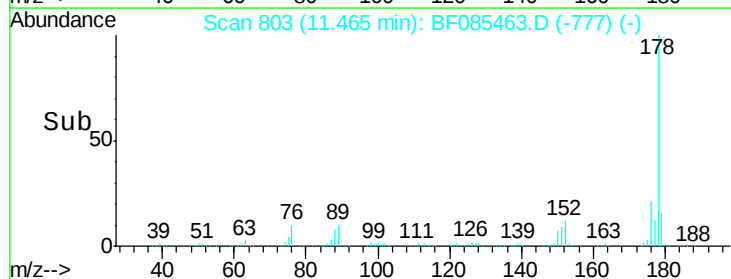
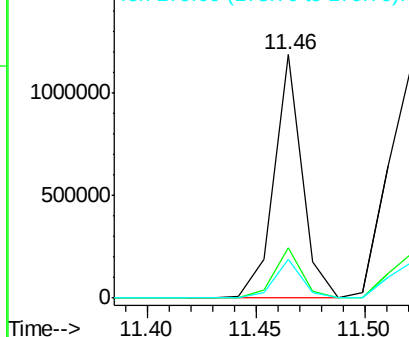


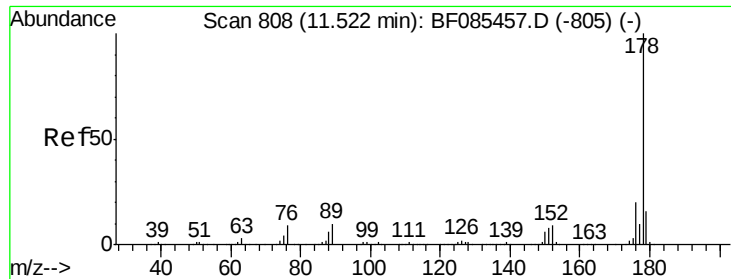
#70
 Phenanthrene
 Concen: 39.15 ng
 RT: 11.46 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

Tgt Ion:178 Resp: 1074985
 Ion Ratio Lower Upper
 178 100
 176 20.7 16.8 25.2
 179 16.2 13.1 19.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

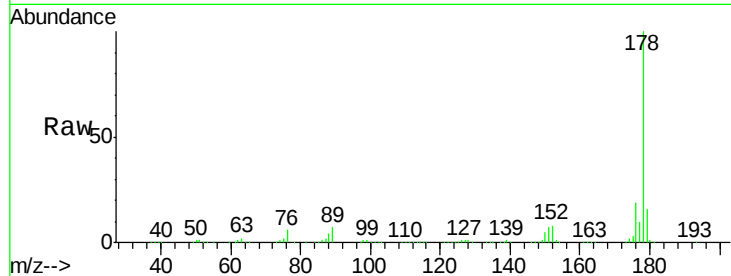




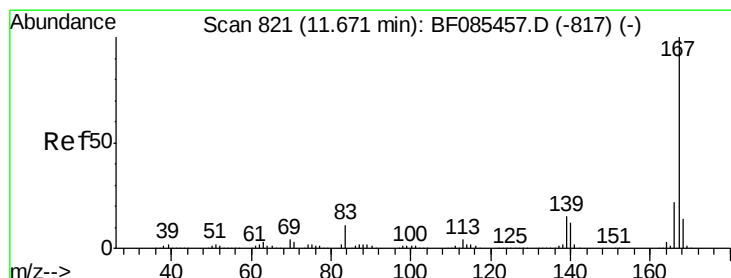
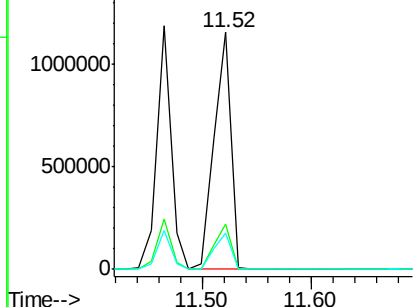
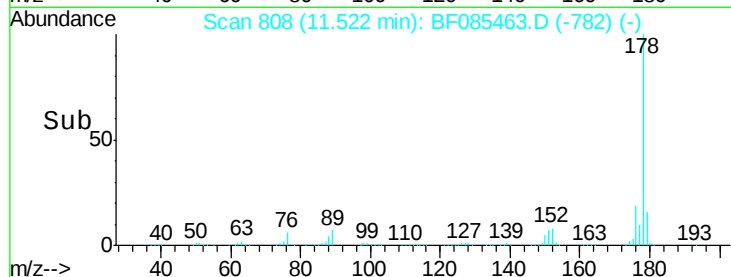
#71
 Anthracene
 Concen: 45.16 ng
 RT: 11.52 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 1262992
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.9 23.9
 179 15.5 12.5 18.7

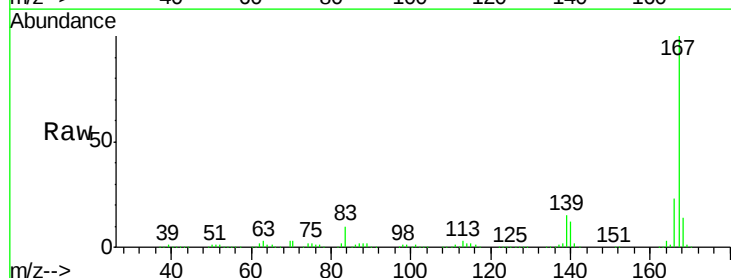


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

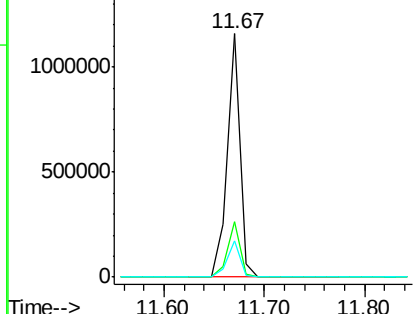
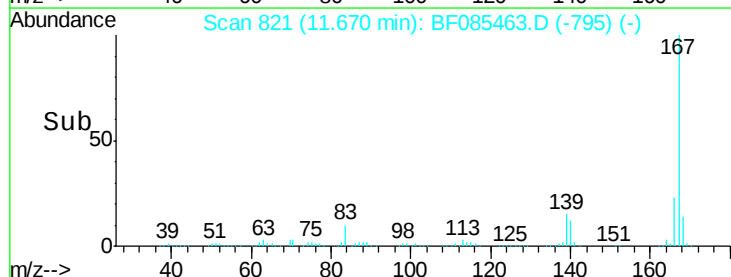


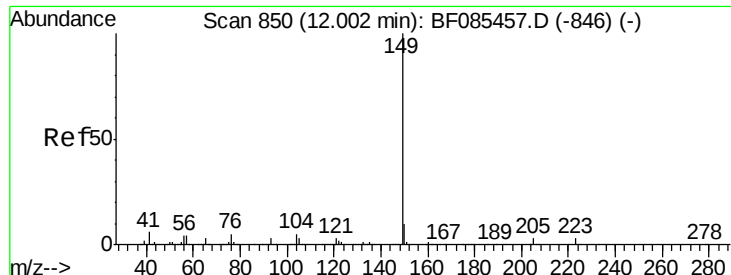
#72
 Carbazole
 Concen: 42.99 ng
 RT: 11.67 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF085463.D
 Acq: 15 Mar 2016 19:29

Tgt Ion:167 Resp: 1017200
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.2 27.2
 139 15.0 11.4 17.0



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 45.24 ng

RT: 12.00 min Scan# 850

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

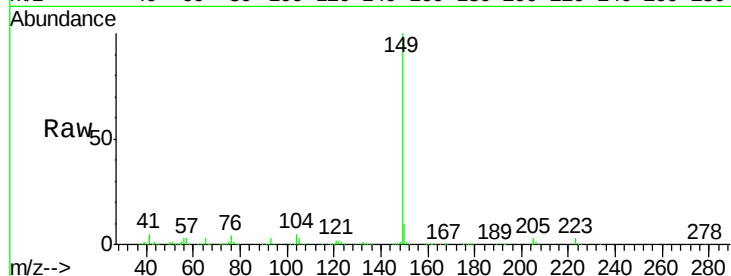
Tot Ion:149 Resp: 1326220

Ion Ratio Lower Upper

149 100

150 9.5 7.8 11.6

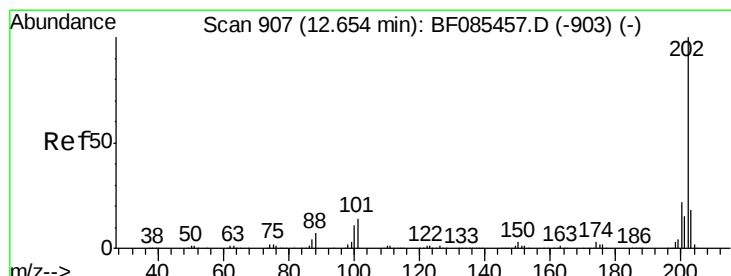
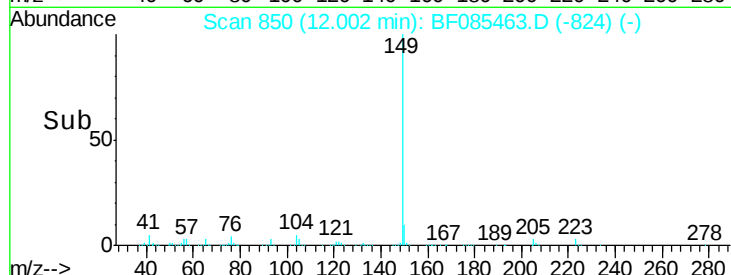
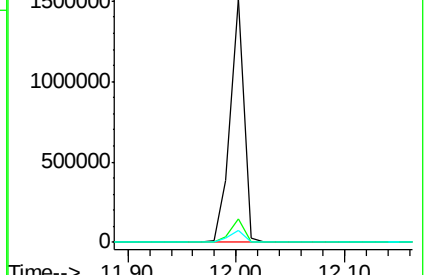
104 4.8 4.7 7.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 45.02 ng

RT: 12.65 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

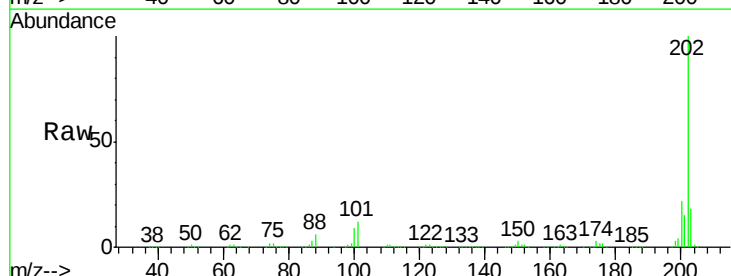
Tgt Ion:202 Resp: 1162019

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.8

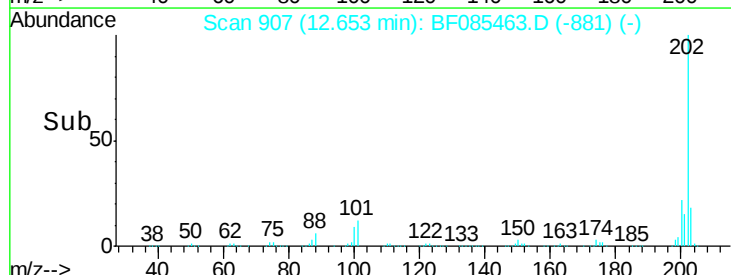
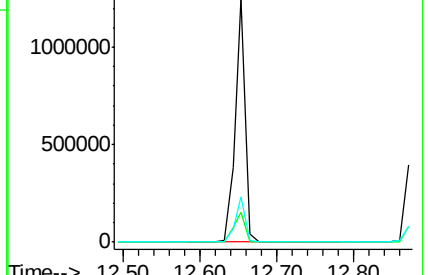
203 18.3 0.0 38.4

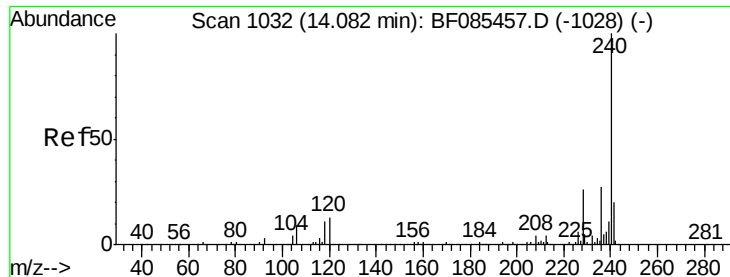


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

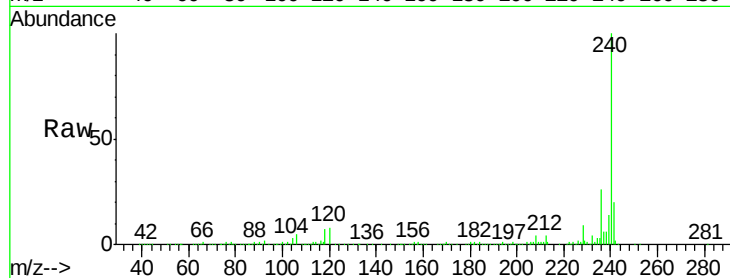
Tot Ion:240 Resp: 350017

Ion Ratio Lower Upper

240 100

120 7.9 5.3 7.9#

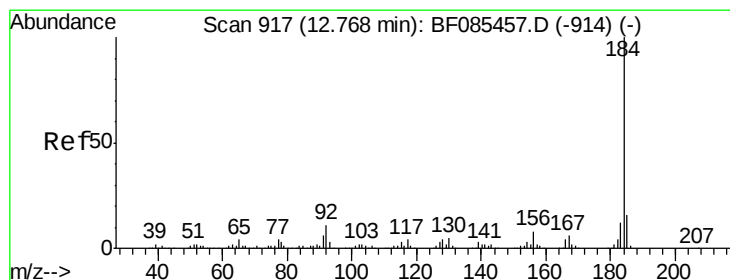
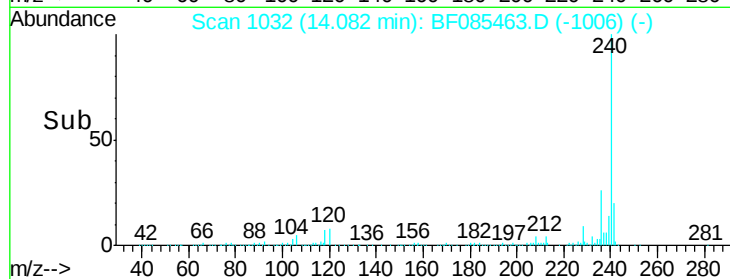
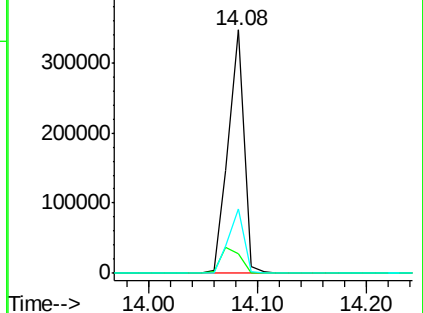
236 26.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 36.02 ng

RT: 12.77 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

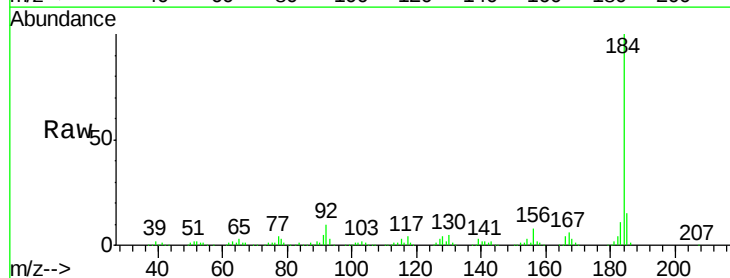
Tgt Ion:184 Resp: 391614

Ion Ratio Lower Upper

184 100

185 15.2 12.4 18.6

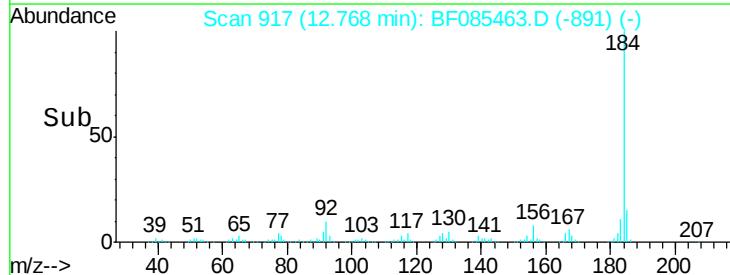
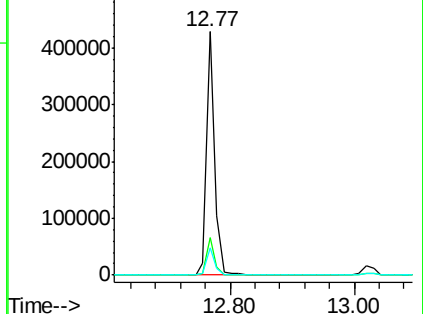
183 11.4 9.4 14.2

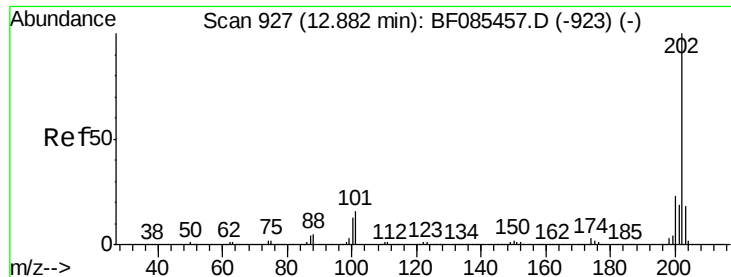


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

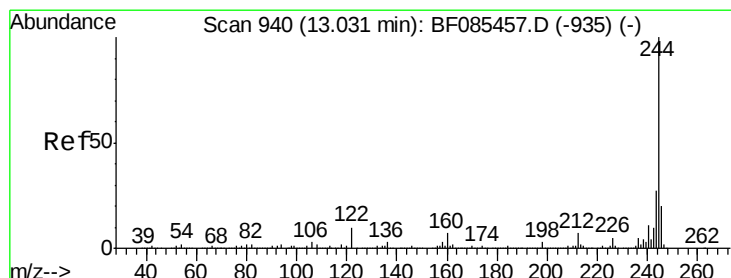
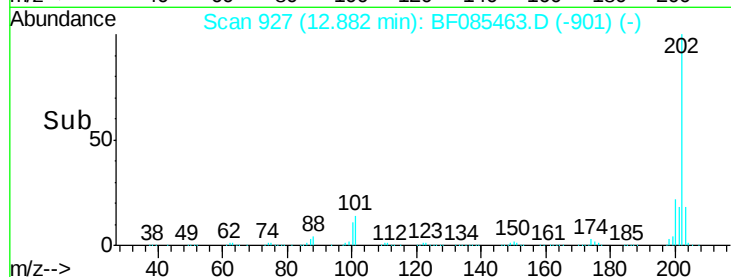
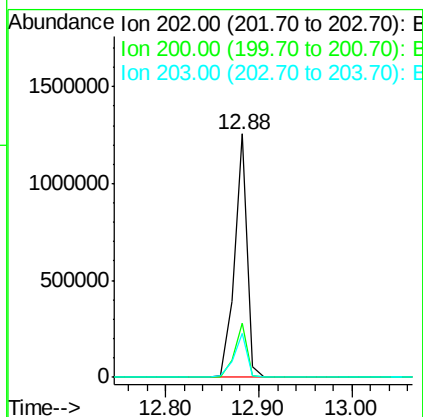
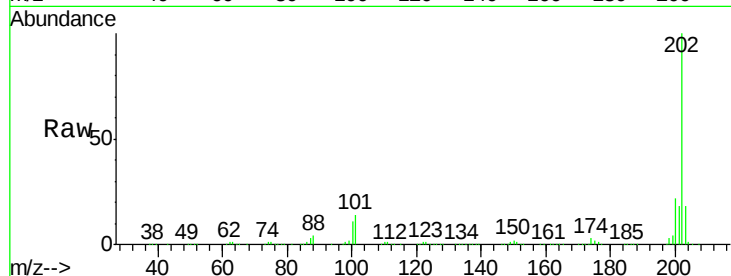




#77
Pvrene
Concen: 45.13 ng
RT: 12.88 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

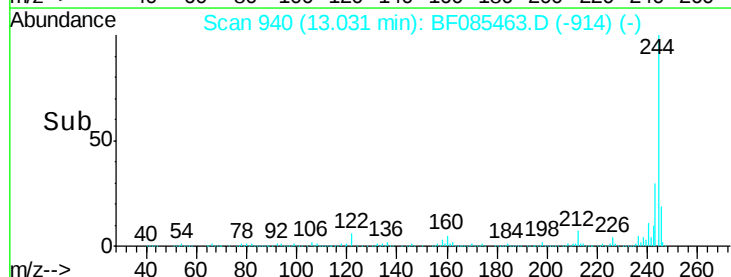
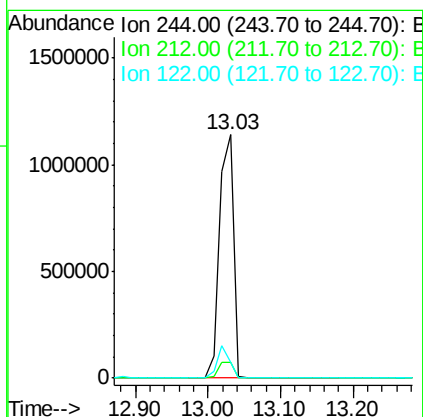
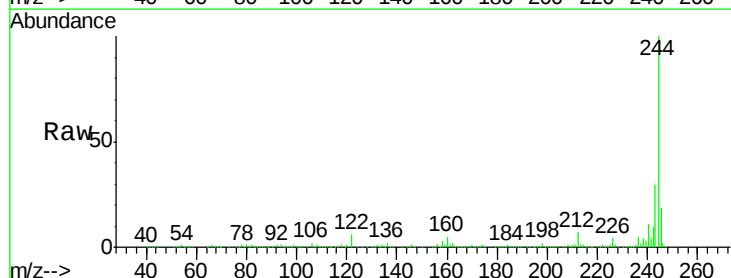
Instrument :
BNA_F
ClientSampleId :

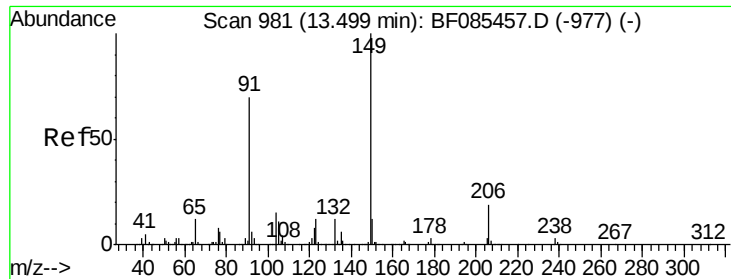
Tot Ion:202 Resp: 1184832
Ion Ratio Lower Upper
202 100
200 22.5 18.2 27.4
203 17.9 14.7 22.1



#78
Terphenyl-d14
Concen: 98.66 ng
RT: 13.03 min Scan# 940
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Tgt Ion:244 Resp: 1526554
Ion Ratio Lower Upper
244 100
212 6.5 6.4 9.6
122 6.4 11.4 17.2#

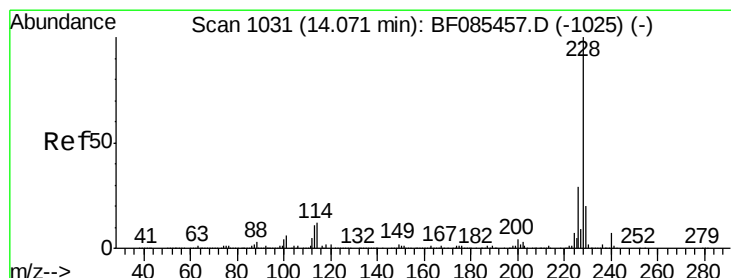
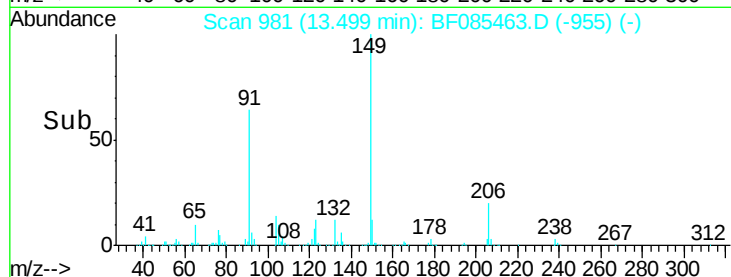
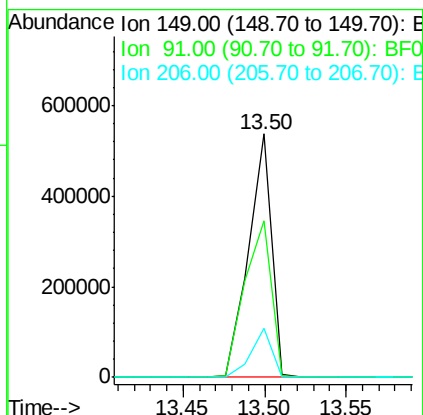
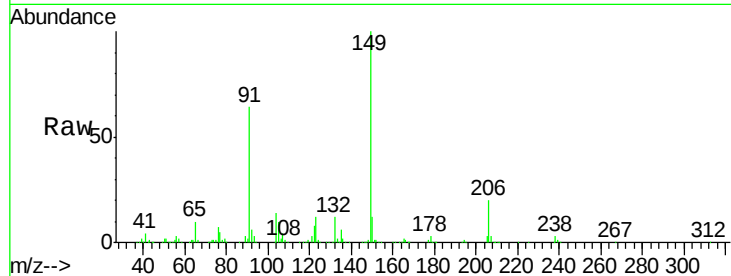




#79
Butylbenzylphthalate
Concen: 45.73 ng
RT: 13.50 min Scan# 981
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

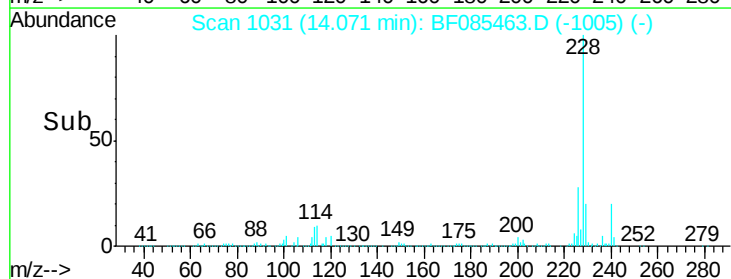
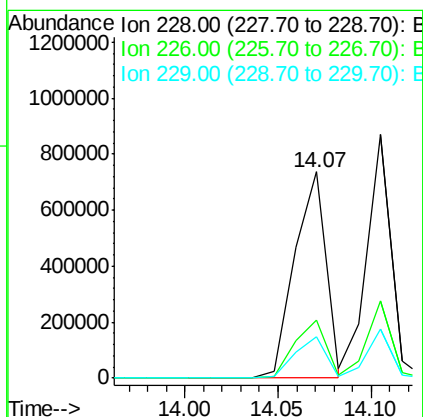
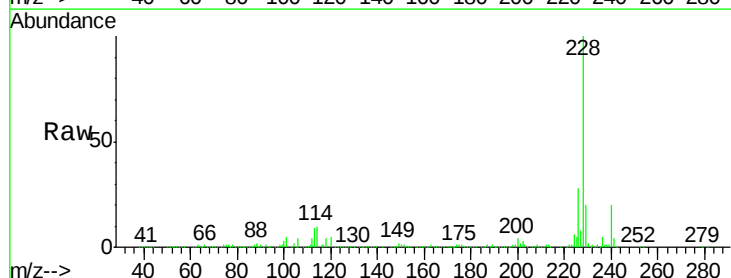
Instrument :
BNA_F
ClientSampleId :

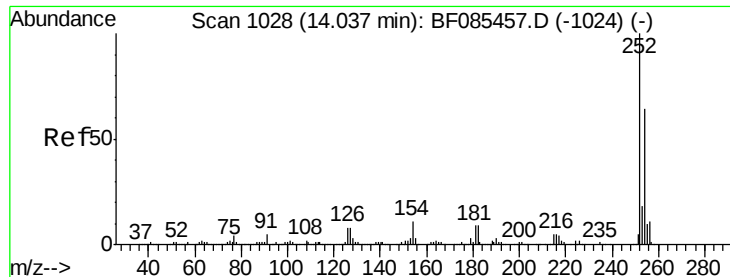
Tot Ion	Ratio	Lower	Upper
149	100		
91	64.1	69.0	103.4#
206	20.3	12.3	18.5#



#80
Benzo(a)anthracene
Concen: 43.07 ng
RT: 14.07 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.8	34.2
229	19.9	16.6	24.8





#81

3,3'-Dichlorobenzidine

Concen: 17.80 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

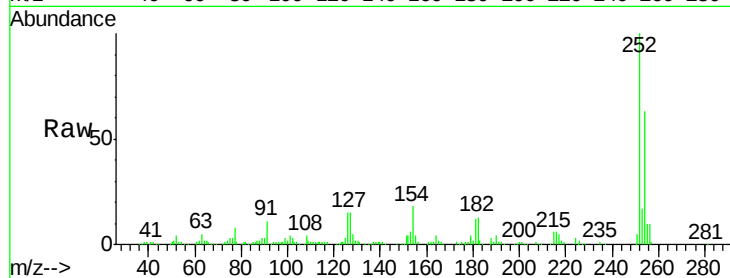
Tot Ion:252 Resp: 120921

Ion Ratio Lower Upper

252 100

254 63.4 51.4 77.0

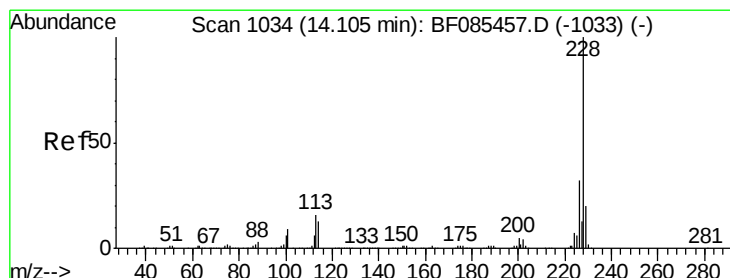
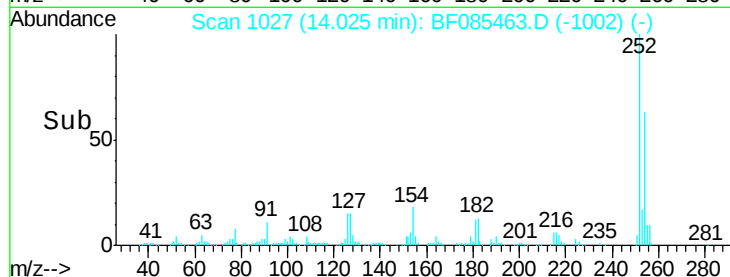
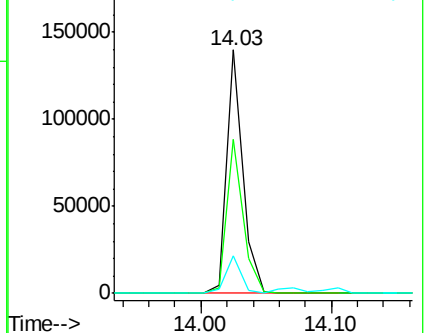
126 15.3 12.9 19.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 43.19 ng

RT: 14.11 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

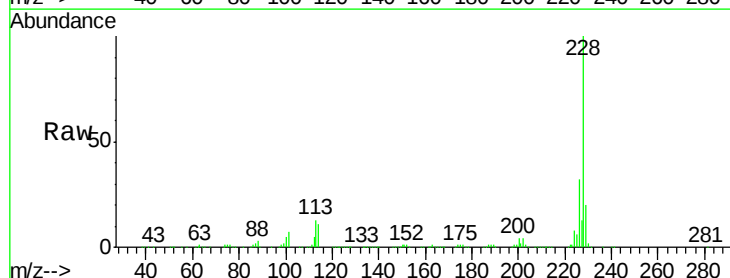
Tgt Ion:228 Resp: 779631

Ion Ratio Lower Upper

228 100

226 32.0 25.2 37.8

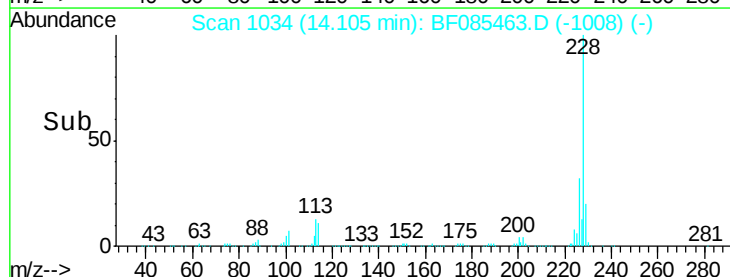
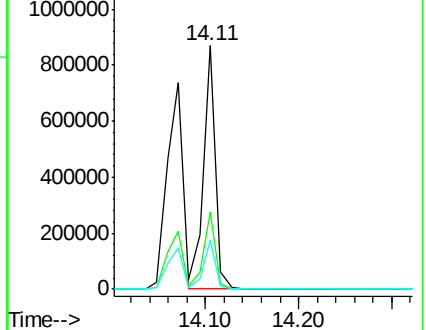
229 20.3 16.0 24.0

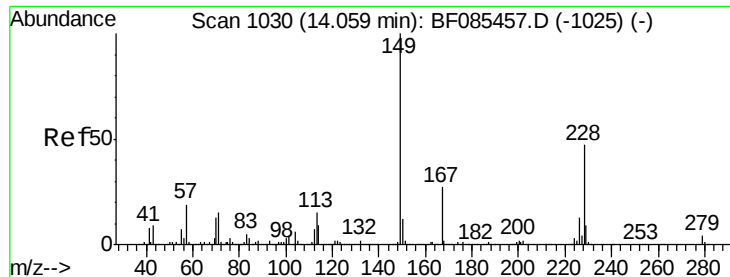


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 44.48 ng

RT: 14.06 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

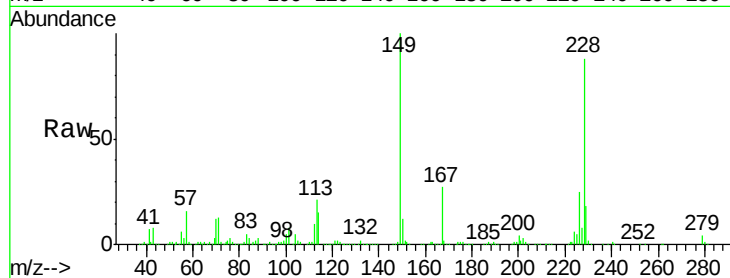
Tot Ion:149 Resp: 622764

Ion Ratio Lower Upper

149 100

167 27.2 20.3 30.5

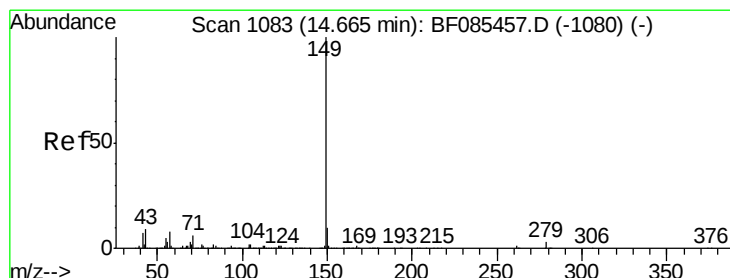
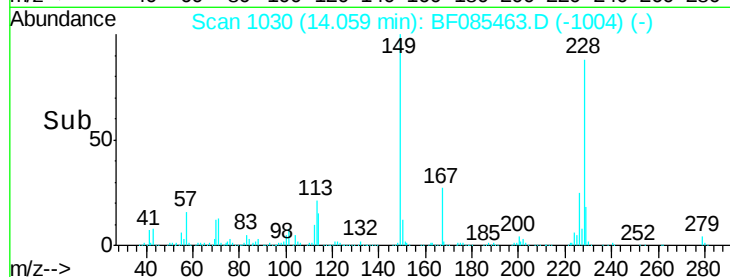
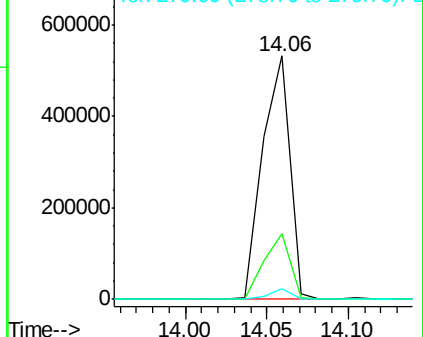
279 4.4 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 45.20 ng

RT: 14.67 min Scan# 1083

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

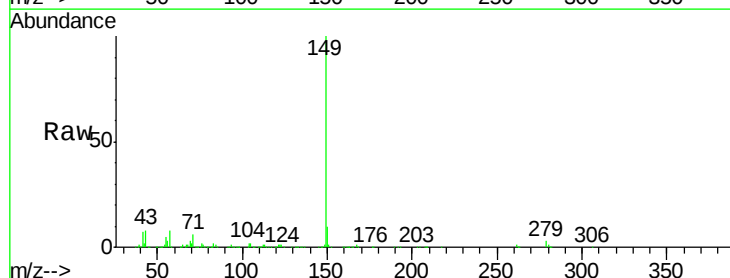
Tgt Ion:149 Resp: 923961

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

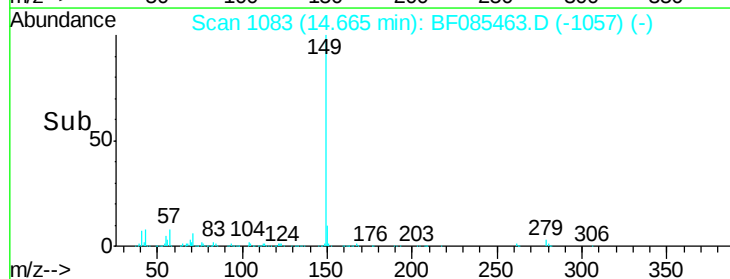
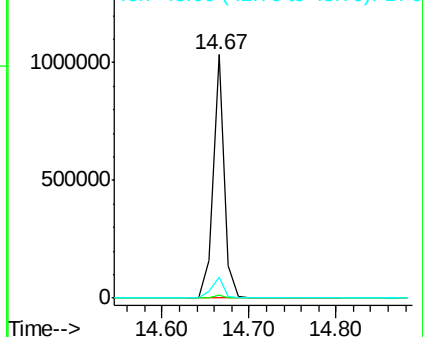
43 9.1 7.8 11.8

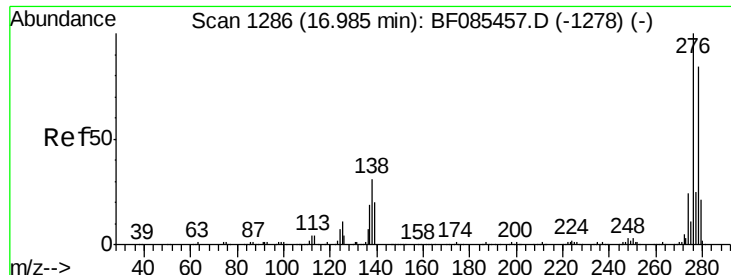


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

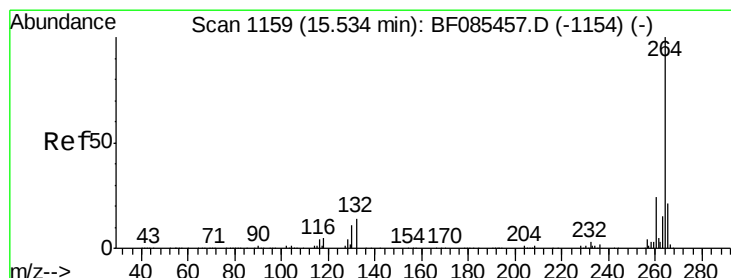
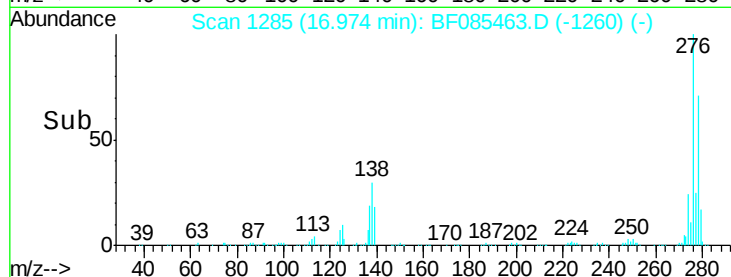
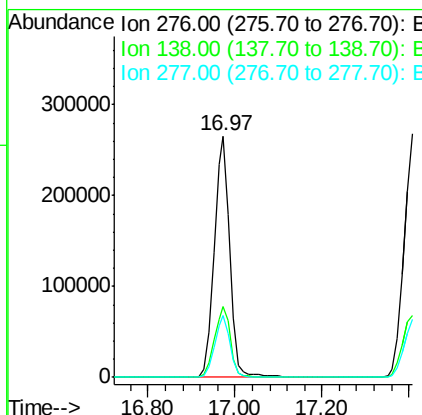
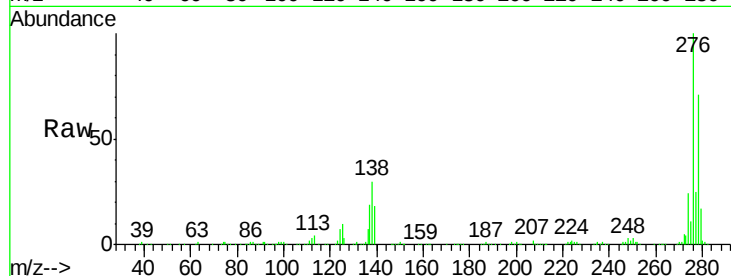




#85
Indeno(1,2,3-cd)pyrene
Concen: 39.52 ng
RT: 16.97 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

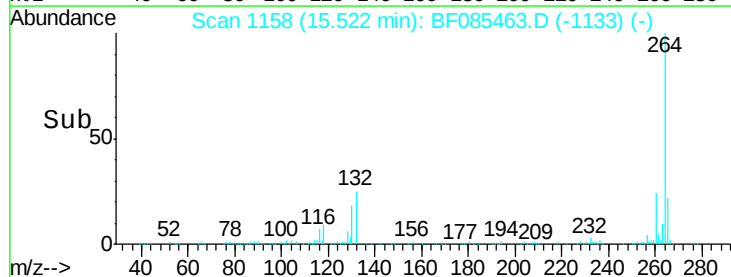
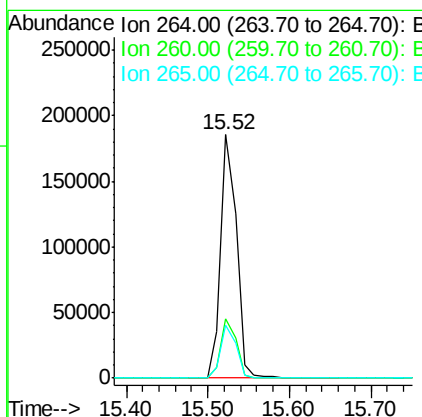
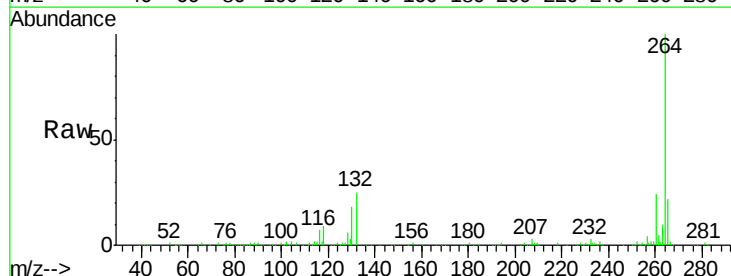
Instrument :
BNA_F
ClientSampleId :

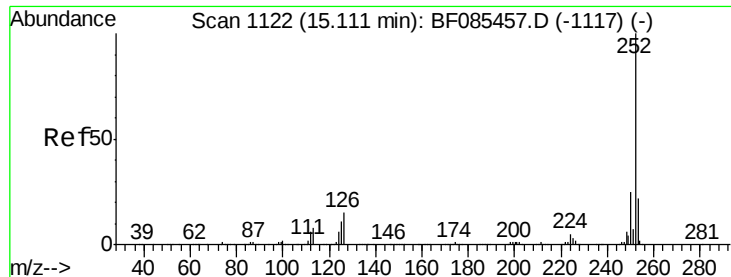
Tot Ion:276 Resp: 676192
Ion Ratio Lower Upper
276 100
138 30.1 26.4 39.6
277 25.4 20.2 30.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF085463.D
Acq: 15 Mar 2016 19:29

Tgt Ion:264 Resp: 249258
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 21.7 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 44.95 ng

RT: 15.11 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

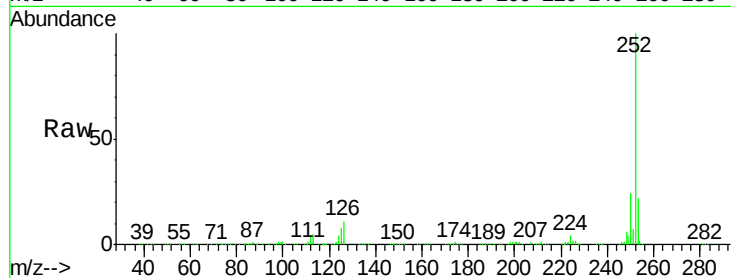
Tot Ion:252 Resp: 731794

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

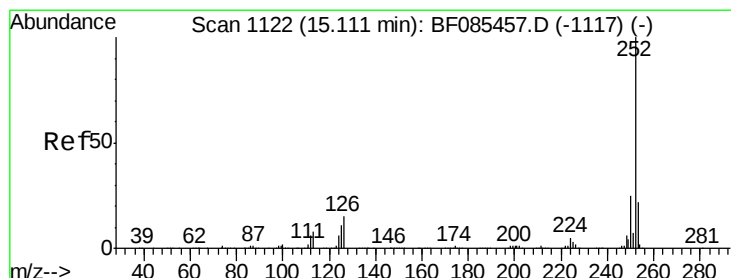
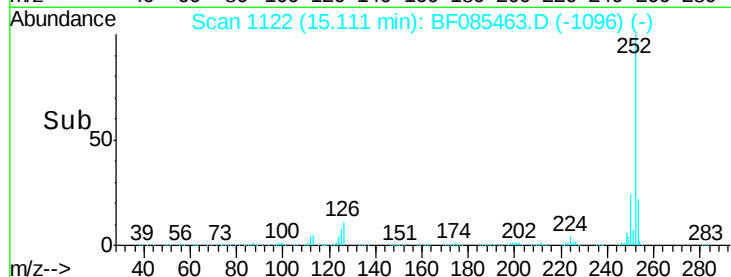
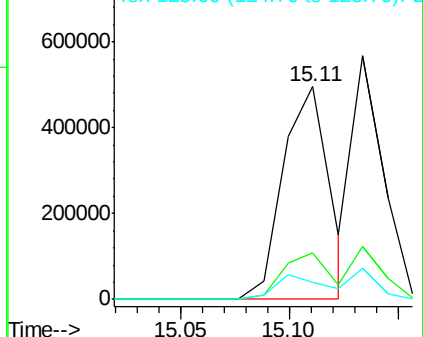
125 8.0 11.3 16.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 57.39 ng

RT: 15.11 min Scan# 1122

Delta R.T. -0.03 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

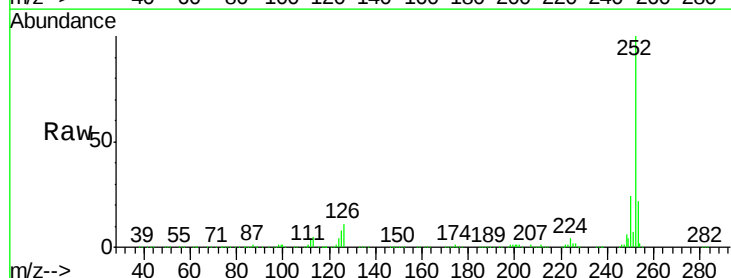
Tgt Ion:252 Resp: 731794

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

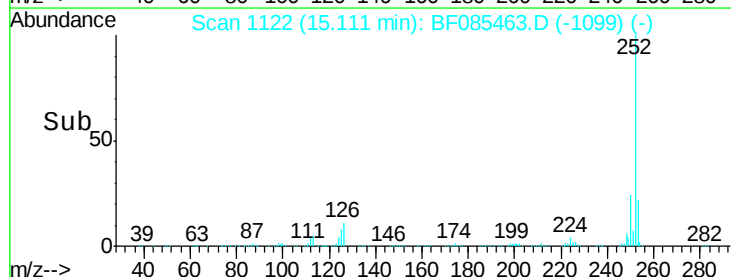
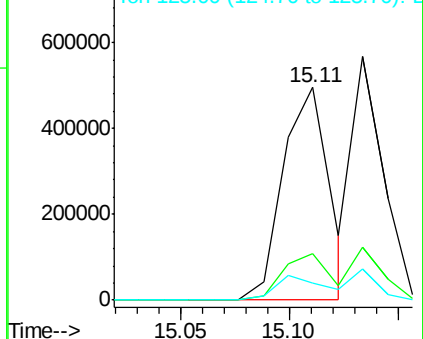
125 8.0 10.4 15.6#

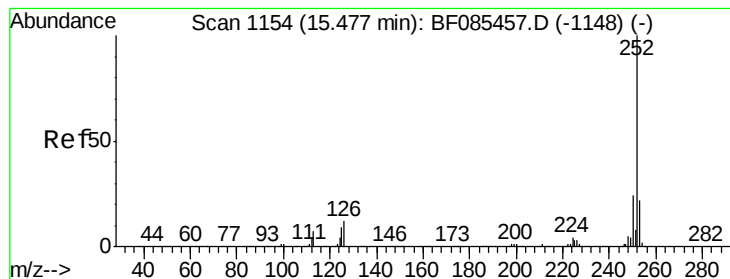


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 43.15 ng

RT: 15.47 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :

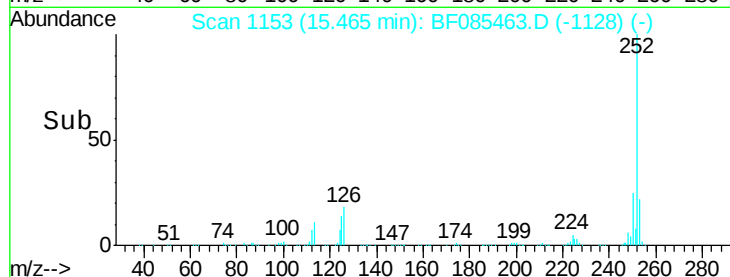
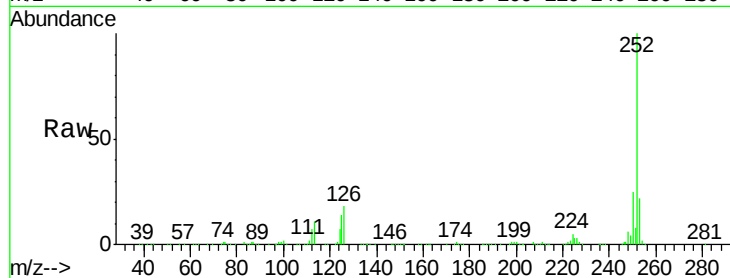
Tot Ion:252 Resp: 606787

Ion Ratio Lower Upper

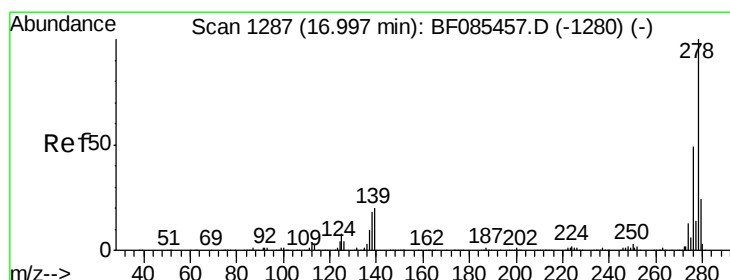
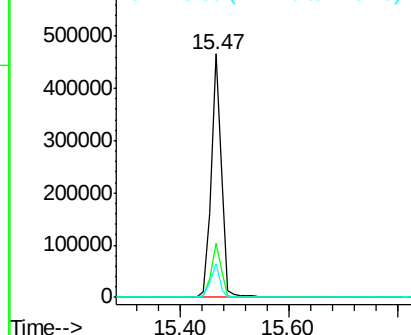
252 100

253 22.2 17.4 26.0

125 13.9 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 41.22 ng

RT: 16.99 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

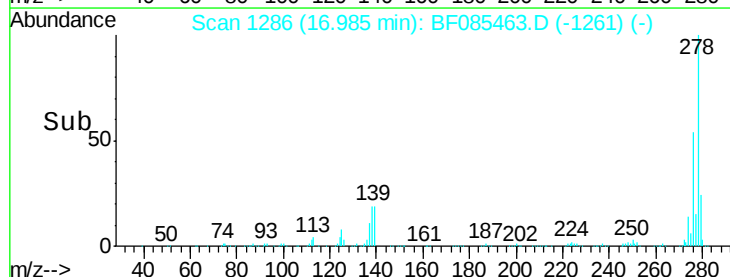
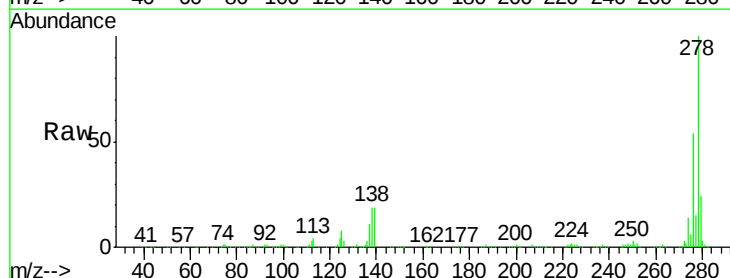
Tgt Ion:278 Resp: 566336

Ion Ratio Lower Upper

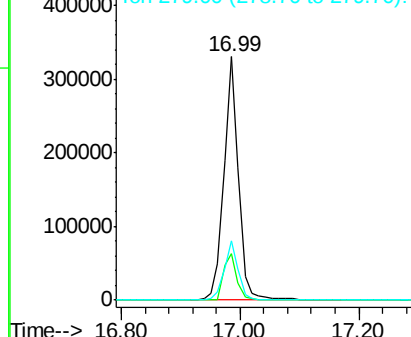
278 100

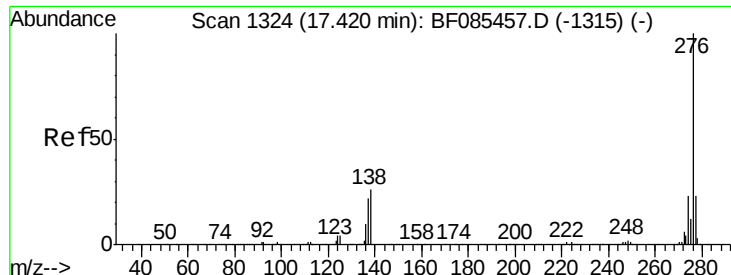
139 19.1 17.3 25.9

279 24.1 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 40.20 ng

RT: 17.41 min Scan# 1323

Delta R.T. -0.01 min

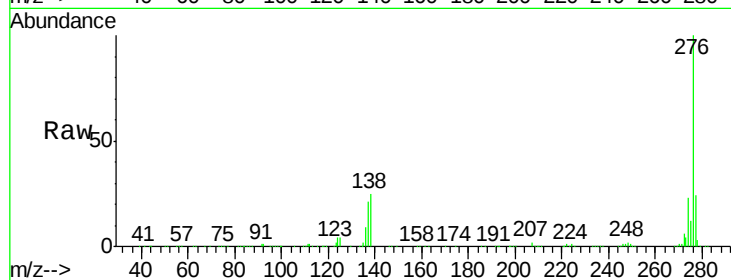
Lab File: BF085463.D

Acq: 15 Mar 2016 19:29

Instrument :

BNA_F

ClientSampleId :



Tot Ion: 276 Resp: 564066

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 25.3 22.5 33.7

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

