

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
 Data File : BF085237.D
 Acq On : 5 Mar 2016 7:16
 Operator : SJ/IZ
 Sample : H1683-04MS
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 00:01:14 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	163878	20.00	ng	-0.01
21) Naphthalene-d8	8.26	136	606704	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	261331	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	397362	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	271787	20.00	ng	-0.01
86) Perylene-d12	15.60	264	276594	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	1416253	144.96	ng	0.01
7) Phenol-d6	6.61	99	1700540	132.86	ng	0.00
23) Nitrobenzene-d5	7.54	82	1157930	102.13	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	357499	159.88	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1470636	85.58	ng	-0.01
78) Terphenyl-d14	13.09	244	1034437	88.35	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	208966	41.83	ng	99
3) Pyridine	3.49	79	604114	48.31	ng	100
4) n-Nitrosodimethylamine	3.44	42	274412	51.28	ng	100
6) Aniline	6.64	93	523672	29.19	ng	96
8) 2-Chlorophenol	6.76	128	487761	41.47	ng	94
9) Benzaldehyde	6.52	77	179865	27.40	ng	98
10) Phenol	6.62	94	760329	55.46	ng	95
11) bis(2-Chloroethyl)ether	6.71	93	523547	45.98	ng	99
12) 1,3-Dichlorobenzene	6.92	146	561891	44.50	ng	98
13) 1,4-Dichlorobenzene	6.92	146	561891	44.40	ng	97
14) 1,2-Dichlorobenzene	7.14	146	511787	44.57	ng	99
15) Benzyl Alcohol	7.11	79	428985	45.66	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.25	45	643725	39.22	ng	98
17) 2-Methylphenol	7.22	107	455197	47.43	ng	96
18) Hexachloroethane	7.49	117	214929	46.04	ng	97
19) n-Nitroso-di-n-propylamine	7.40	70	380316	45.59	ng	96
20) 3+4-Methylphenols	7.37	107	509316	44.80	ng	98
22) Acetophenone	7.38	105	684413	46.22	ng	# 98
24) Nitrobenzene	7.56	77	524501	45.54	ng	99
25) Isophorone	7.80	82	1031227	49.08	ng	98
26) 2-Nitrophenol	7.88	139	290324	51.80	ng	# 89
27) 2,4-Dimethylphenol	7.91	122	516535	50.43	ng	94
28) bis(2-Chloroethoxy)methane	8.00	93	579915	49.56	ng	99
29) 2,4-Dichlorophenol	8.12	162	429407	51.98	ng	95
30) 1,2,4-Trichlorobenzene	8.20	180	423412	47.41	ng	98
31) Naphthalene	8.29	128	1484914	49.78	ng	98
32) Benzoic acid	7.98	122	75667	11.12	ng	# 49
33) 4-Chloroaniline	8.32	127	230886	19.13	ng	98
34) Hexachlorobutadiene	8.40	225	238870	51.40	ng	99
35) Caprolactam	8.69	113	173417	64.28	ng	# 87
36) 4-Chloro-3-methylphenol	8.81	107	468744	50.02	ng	95
37) 2-Methylnaphthalene	8.97	142	890762	46.53	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.14	216	376856	50.42	ng	97
40) Hexachlorocyclopentadiene	9.13	237	226348	56.15	ng	96

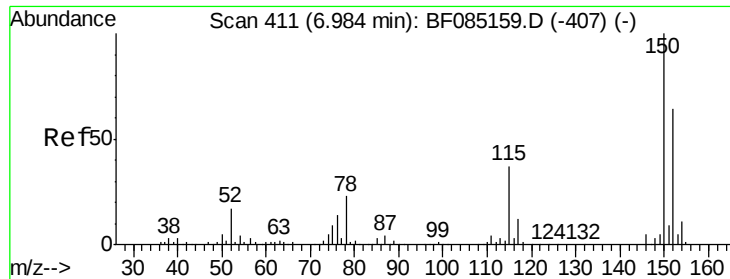
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
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 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.25	196	259740	46.69	ng	96
43) 2,4,5-Trichlorophenol	9.29	196	261122	49.50	ng	99
45) 1,1'-Biphenyl	9.44	154	1099926	49.27	ng	95
46) 2-Chloronaphthalene	9.46	162	825793	48.52	ng	94
47) 2-Nitroaniline	9.56	65	290951	55.17	ng	89
48) Acenaphthylene	9.88	152	1295478	48.91	ng	98
49) Dimethylphthalate	9.74	163	1033121	51.51	ng	99
50) 2,6-Dinitrotoluene	9.80	165	197512	46.03	ng	# 81
51) Acenaphthene	10.05	154	838550	52.14	ng	99
52) 3-Nitroaniline	9.97	138	208584	40.63	ng	# 98
53) 2,4-Dinitrophenol	10.07	184	62867	34.00	ng	# 48
54) Dibenzofuran	10.23	168	1110426	52.70	ng	92
55) 4-Nitrophenol	10.13	139	397262	98.47	ng	94
56) 2,4-Dinitrotoluene	10.21	165	303679	55.30	ng	# 66
57) Fluorene	10.57	166	855843	51.71	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.34	232	206026	55.60	ng	# 97
59) Diethylphthalate	10.44	149	897509	46.11	ng	96
60) 4-Chlorophenyl-phenylether	10.56	204	408911	50.78	ng	# 85
61) 4-Nitroaniline	10.57	138	176177	36.69	ng	99
62) Azobenzene	10.72	77	890355	46.43	ng	83
64) 4,6-Dinitro-2-methylphenol	10.61	198	68825	28.93	ng	# 49
65) n-Nitrosodiphenylamine	10.68	169	802277	64.91	ng	96
66) 4-Bromophenyl-phenylether	11.05	248	213423	55.31	ng	# 81
67) Hexachlorobenzene	11.12	284	225404	54.76	ng	# 91
68) Atrazine	11.20	200	225057	65.48	ng	97
69) Pentachlorophenol	11.30	266	216305	94.67	ng	99
70) Phenanthrene	11.53	178	1477465	70.95	ng	99
71) Anthracene	11.58	178	1135740	51.37	ng	99
72) Carbazole	11.73	167	850812	43.89	ng	98
73) Di-n-butylphthalate	12.06	149	1197722	48.88	ng	99
74) Fluoranthene	12.72	202	1906365	91.22	ng	97
76) Benzidine	12.84	184	345361	42.70	ng	98
77) Pyrene	12.95	202	1762551	86.16	ng	99
79) Butylbenzylphthalate	13.56	149	459099	49.46	ng	# 78
80) Benzo(a)anthracene	14.13	228	1203217	73.95	ng	100
81) 3,3'-Dichlorobenzidine	14.08	252	119662	23.31	ng	98
82) Chrysene	14.16	228	844949	56.22	ng	98
83) Bis(2-ethylhexyl)phthalate	14.12	149	593893	48.62	ng	# 95
84) Di-n-octyl phthalate	14.72	149	949400	51.04	ng	98
85) Indeno(1,2,3-cd)pyrene	17.09	276	973591	83.00	ng	97
87) Benzo(b)fluoranthene	15.21	252	2097800	113.79	ng	# 95
88) Benzo(k)fluoranthene	15.21	252	2097800	141.07	ng	# 96
89) Benzo(a)pyrene	15.56	252	1056417	69.15	ng	98
90) Dibenzo(a,h)anthracene	17.26	278	48523	3.72	ng	95
91) Benzo(g,h,i)perylene	17.55	276	793623	60.52	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

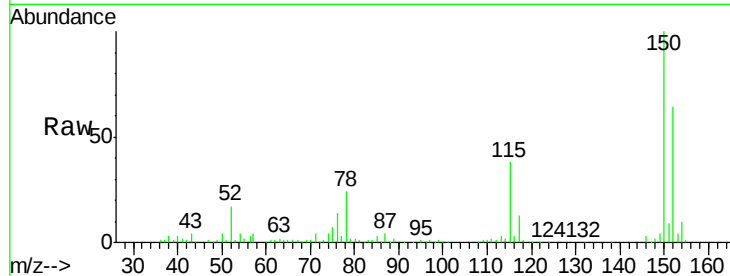
Tgt Ion:152 Resp: 163878

Ion Ratio Lower Upper

152 100

150 155.5 124.6 186.8

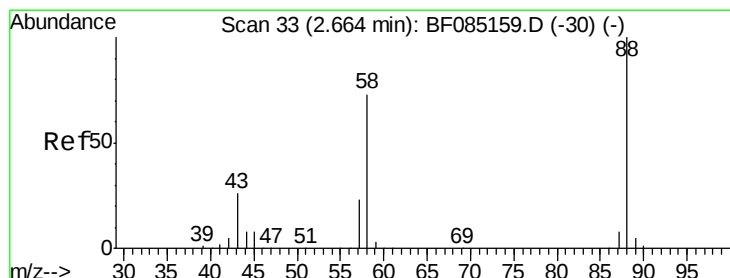
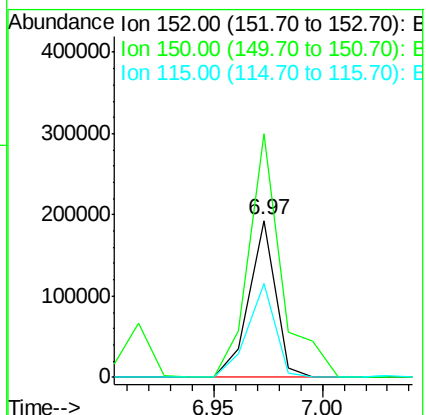
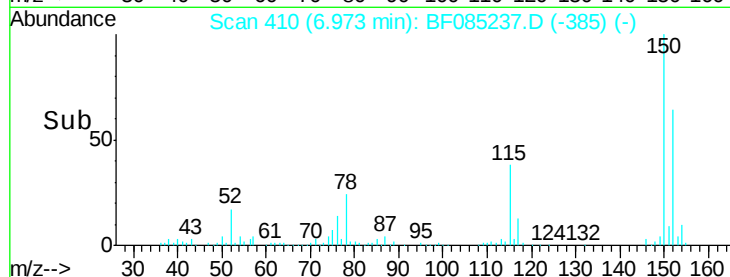
115 59.9 46.6 70.0



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: 41.83 ng

RT: 2.72 min Scan# 38

Delta R.T. 0.06 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

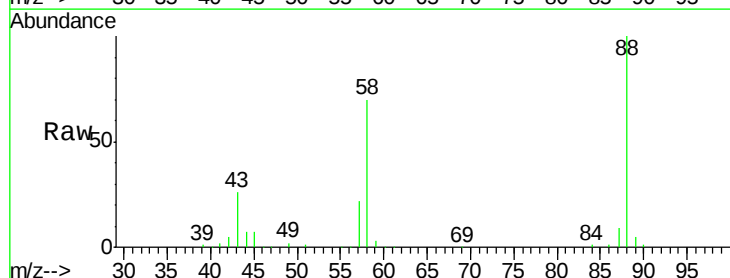
Tgt Ion: 88 Resp: 208966

Ion Ratio Lower Upper

88 100

58 70.0 57.0 85.6

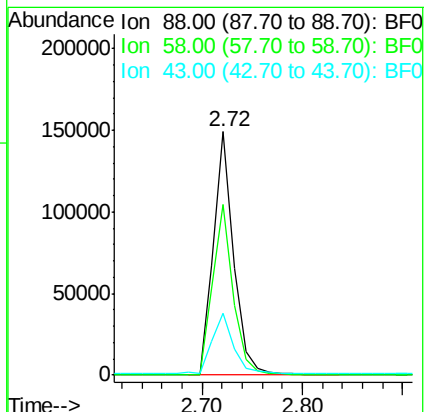
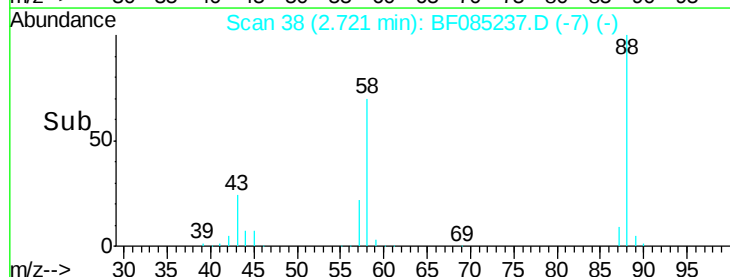
43 25.5 20.5 30.7

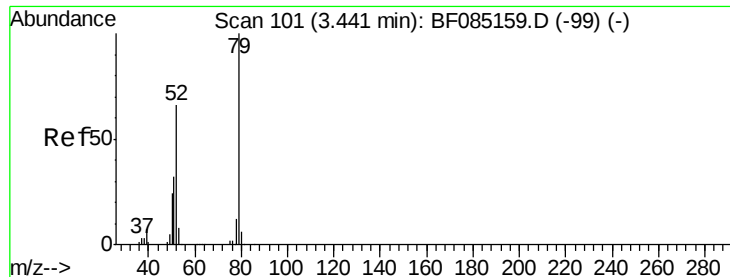


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 48.31 ng

RT: 3.49 min Scan# 105

Delta R.T. 0.05 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

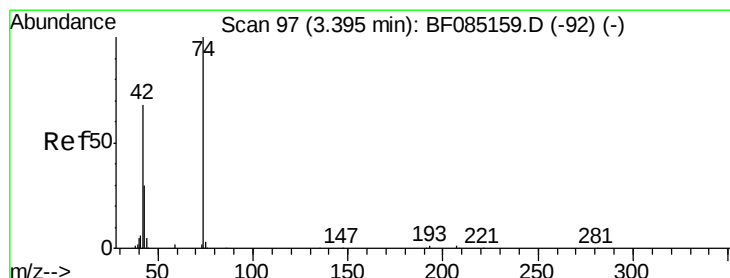
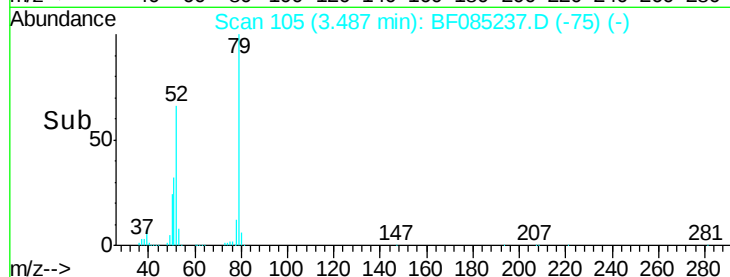
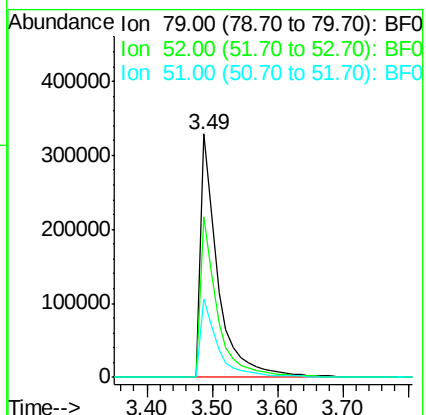
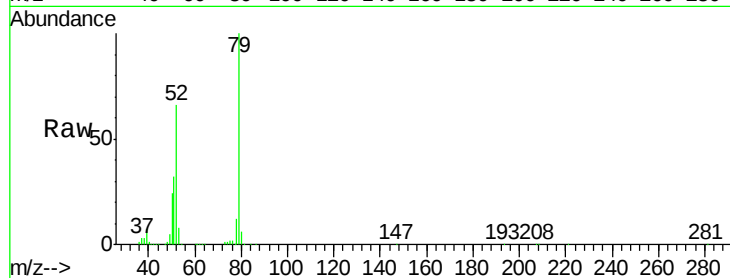
Tgt Ion: 79 Resp: 604114

Ion Ratio Lower Upper

79 100

52 65.7 52.6 79.0

51 32.0 25.8 38.8



#4

n-Nitrosodimethylamine

Concen: 51.28 ng

RT: 3.44 min Scan# 101

Delta R.T. 0.05 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

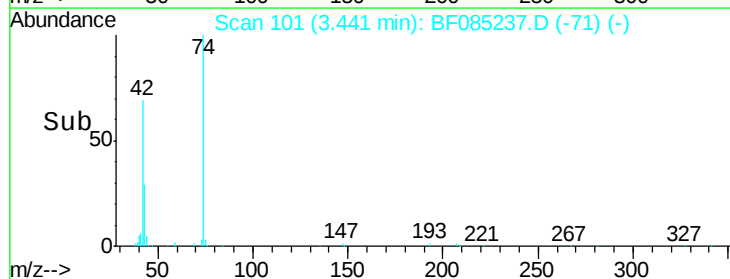
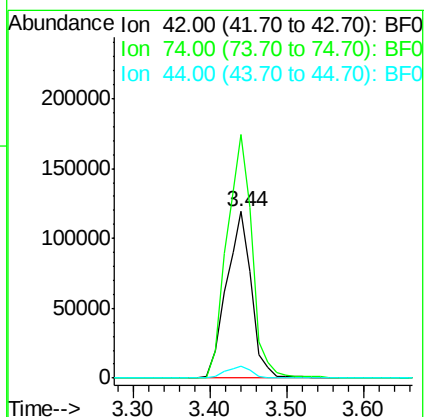
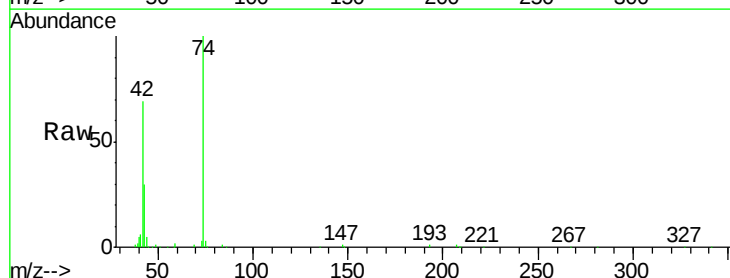
Tgt Ion: 42 Resp: 274412

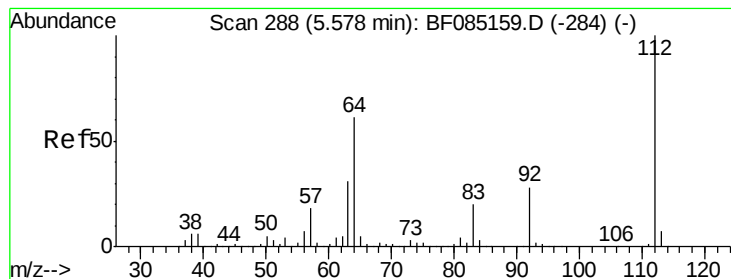
Ion Ratio Lower Upper

42 100

74 146.0 116.8 175.2

44 6.9 5.5 8.3





#5

2-Fluorophenol

Concen: 144.96 ng

RT: 5.59 min Scan# 289

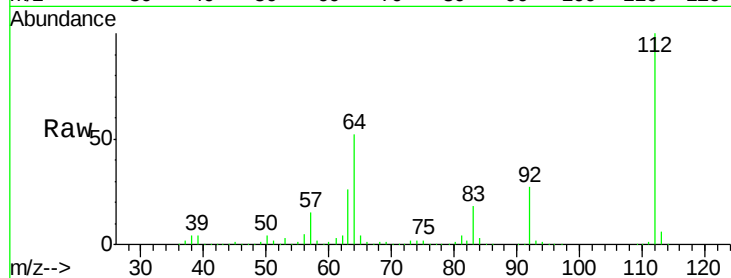
Delta R.T. 0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :
BNA_F
ClientSampled :

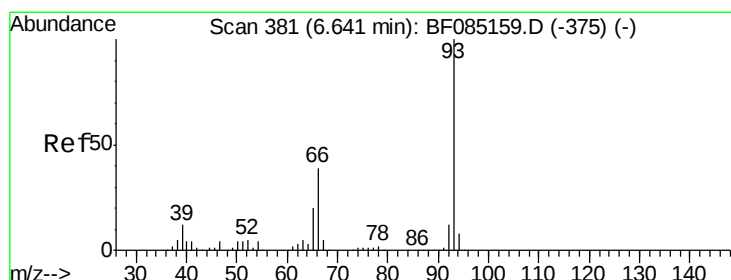
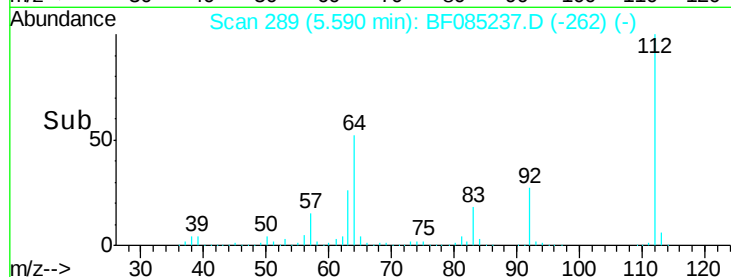
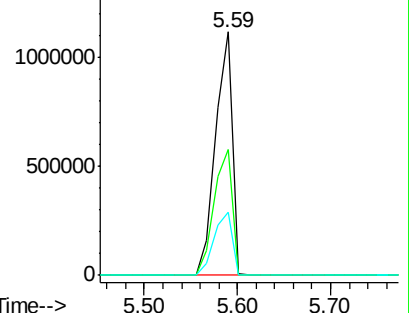
Tgt Ion:	112	Resp:	1416253
Ion	Ratio	Lower	Upper
112	100		
64	51.7	49.0	73.4
63	26.0	24.8	37.2



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: 29.19 ng

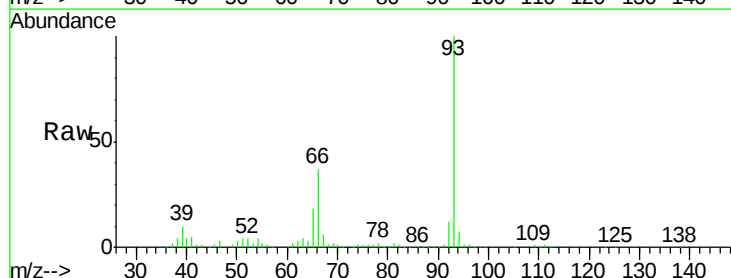
RT: 6.64 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

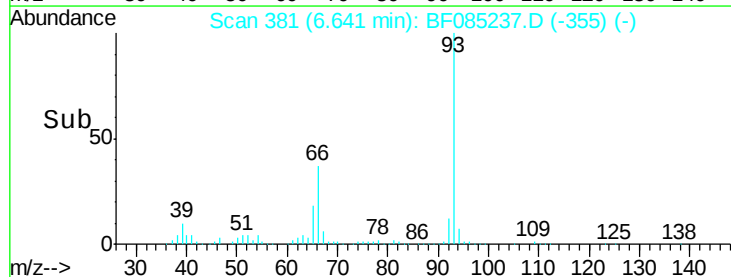
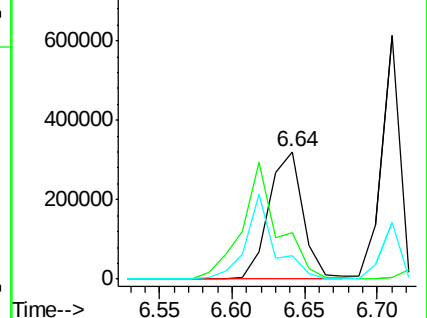
Tgt Ion:	93	Resp:	523672
Ion	Ratio	Lower	Upper
93	100		
66	36.5	31.6	47.4
65	18.2	15.8	23.8



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: 132.86 ng

RT: 6.61 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampled :

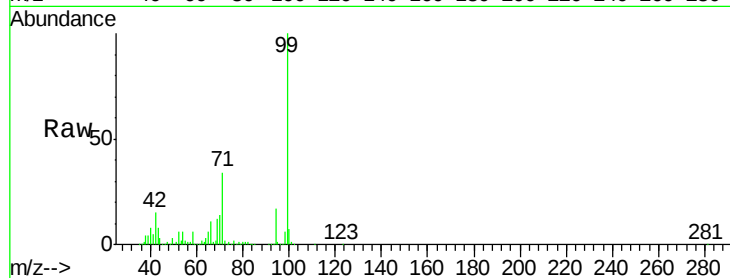
Tgt Ion: 99 Resp: 1700540

Ion Ratio Lower Upper

99 100

42 15.1 13.6 20.4

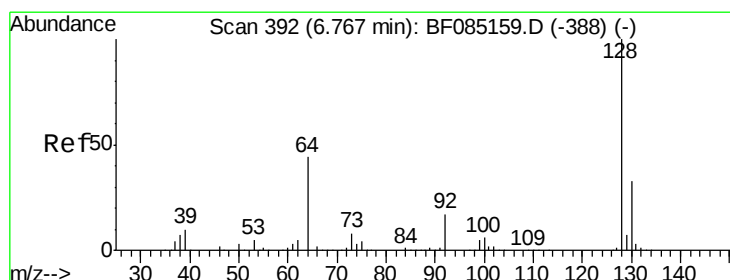
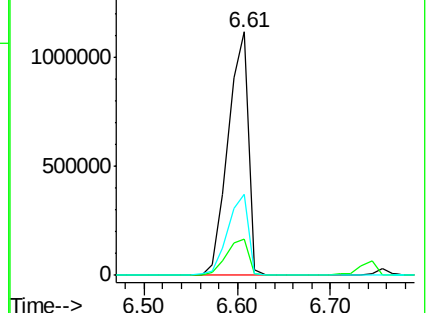
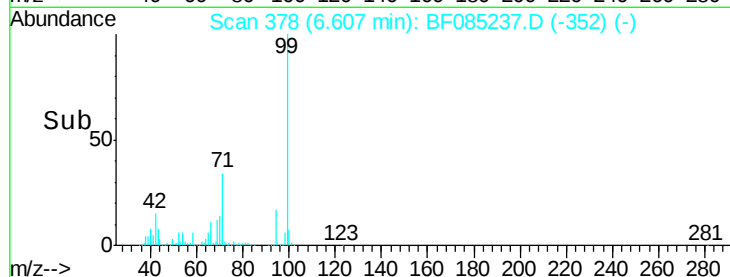
71 33.5 26.7 40.1



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: 41.47 ng

RT: 6.76 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

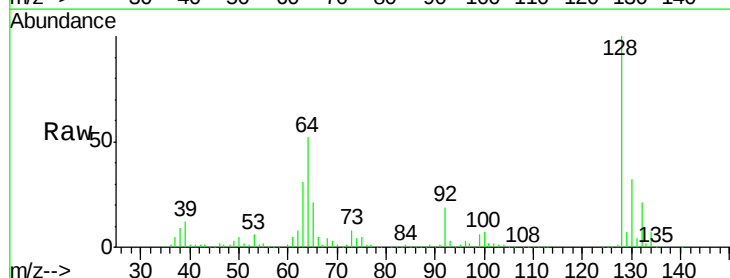
Tgt Ion: 128 Resp: 487761

Ion Ratio Lower Upper

128 100

130 32.5 13.3 53.3

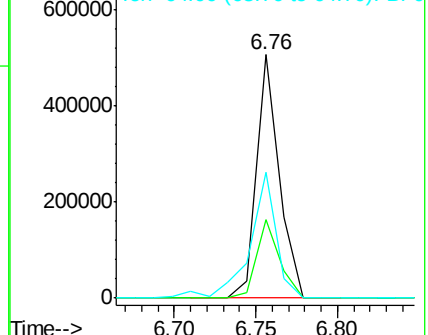
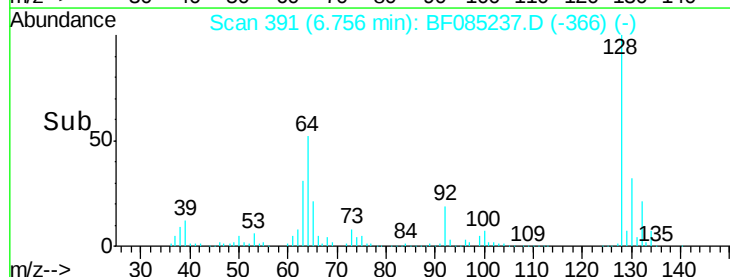
64 51.9 25.7 65.7

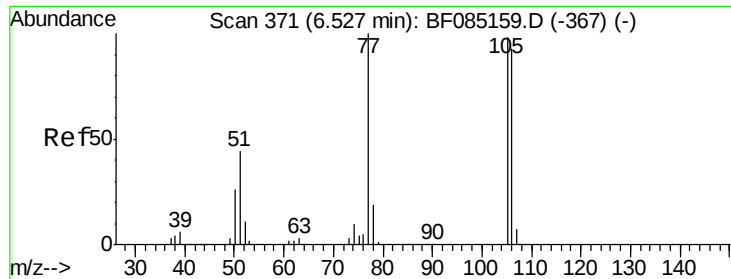


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 27.40 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

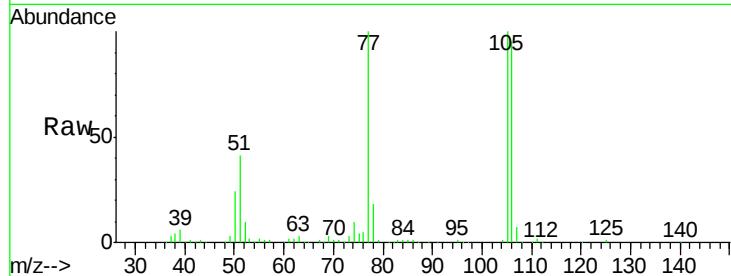
Tgt Ion: 77 Resp: 179865

Ion Ratio Lower Upper

77 100

105 100.1 78.2 118.2

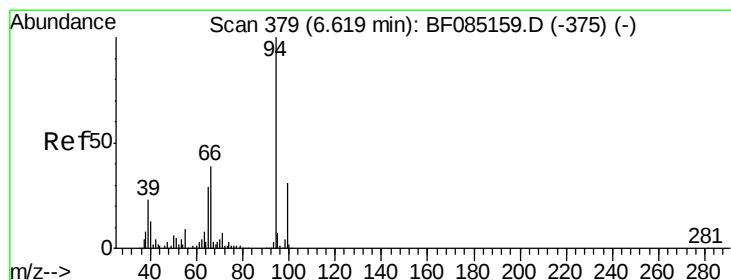
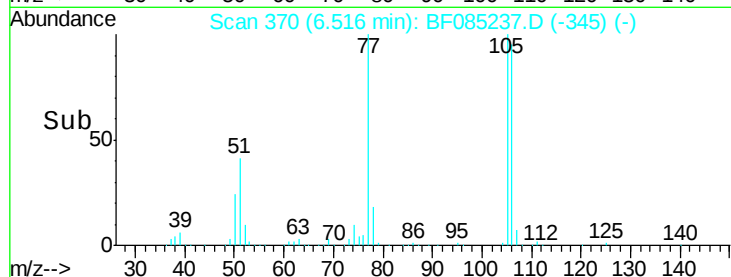
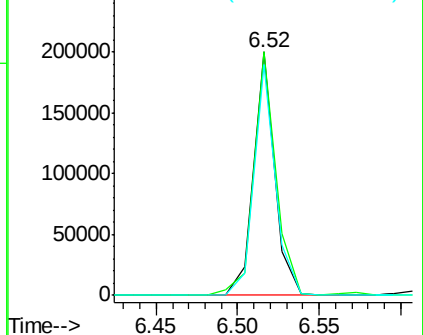
106 94.7 72.9 112.9



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: 55.46 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

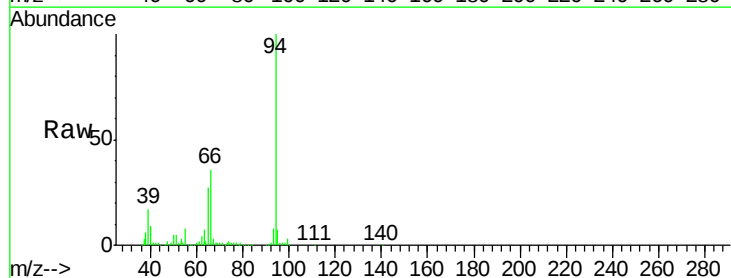
Tgt Ion: 94 Resp: 760329

Ion Ratio Lower Upper

94 100

65 26.6 9.1 49.1

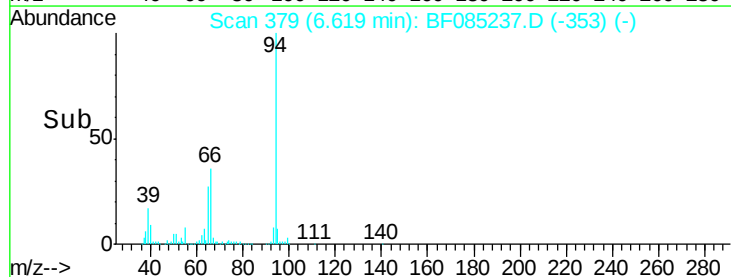
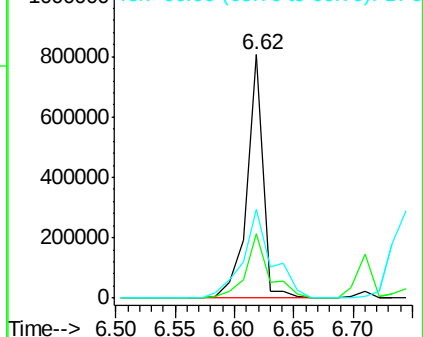
66 36.4 19.3 59.3

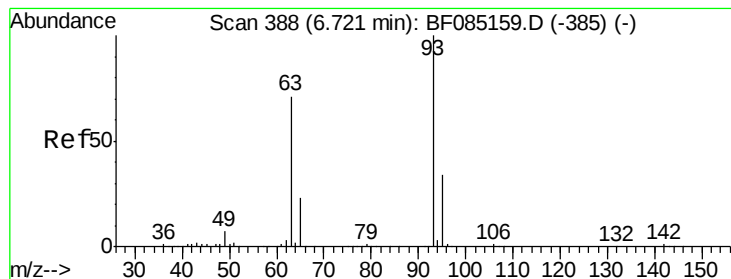


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

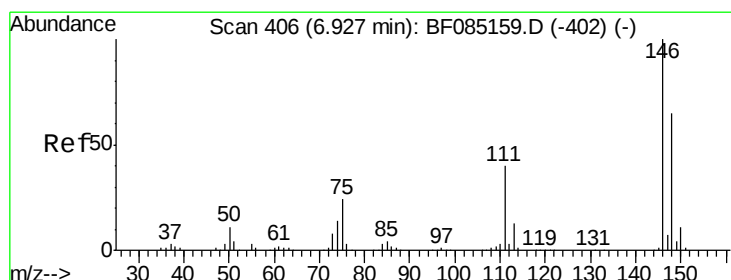
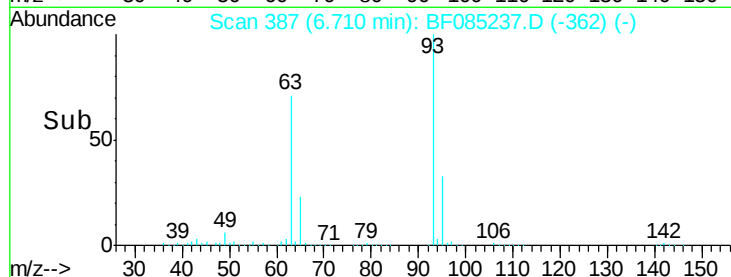
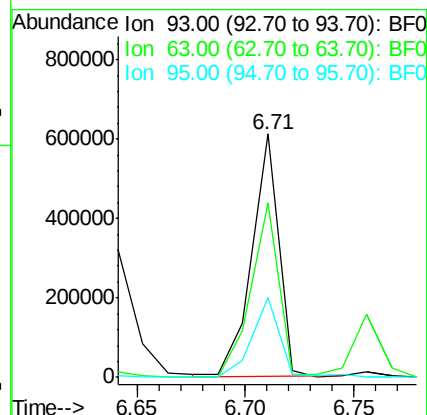
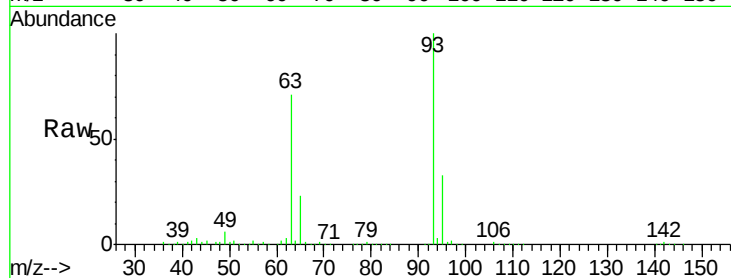




#11
bis(2-Chloroethyl)ether
Concen: 45.98 ng
RT: 6.71 min Scan# 387
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

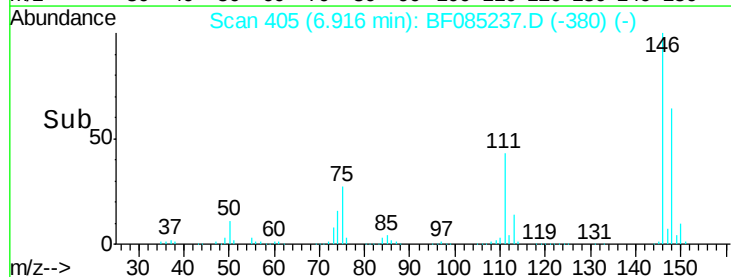
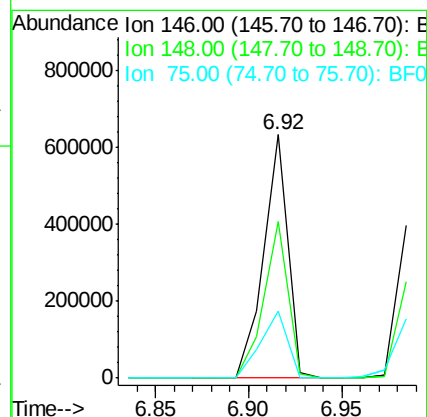
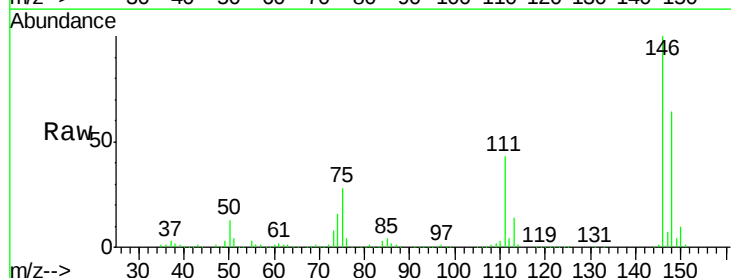
Instrument :
BNA_F
ClientSampleId :

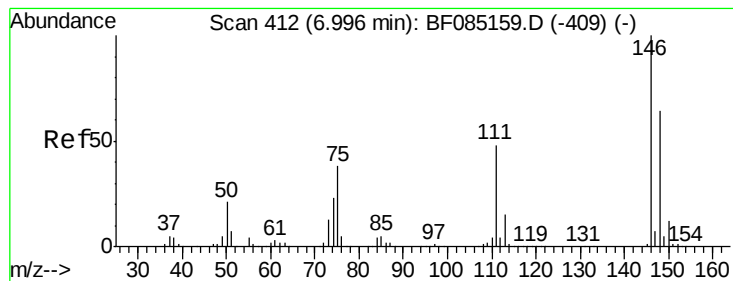
Tgt Ion: 93 Resp: 523547
Ion Ratio Lower Upper
93 100
63 71.5 50.9 90.9
95 32.8 13.7 53.7



#12
1,3-Dichlorobenzene
Concen: 44.50 ng
RT: 6.92 min Scan# 405
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Tgt Ion: 146 Resp: 561891
Ion Ratio Lower Upper
146 100
148 64.3 52.1 78.1
75 27.6 19.5 29.3





#13

1,4-Dichlorobenzene

Concen: 44.40 ng

RT: 6.92 min Scan# 405

Delta R.T. -0.08 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

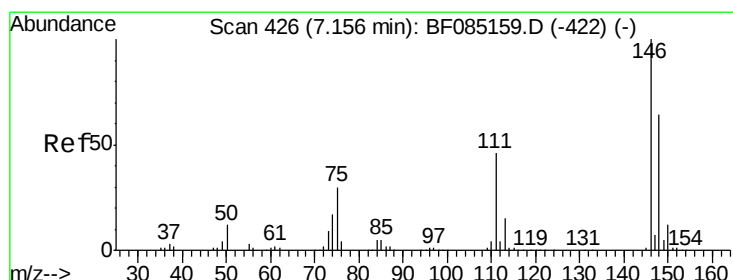
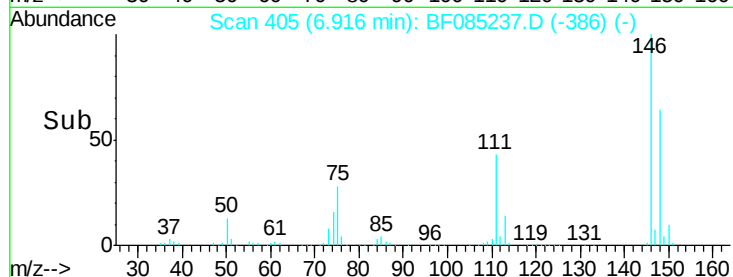
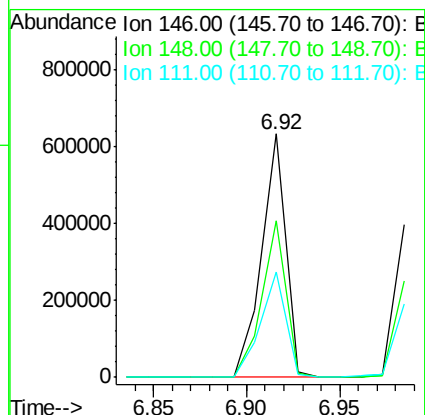
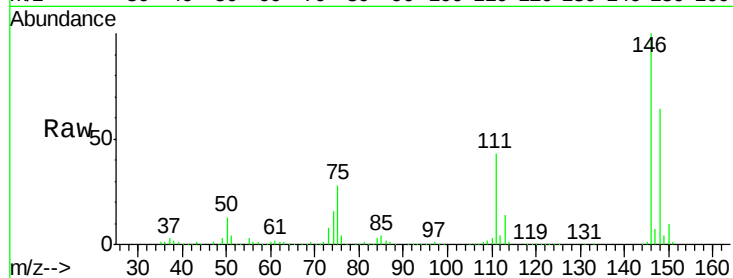
Instrument :

BNA_F

ClientSampleId :

Tgt Ion:146 Resp: 561891

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.3	76.9
111	43.4	38.4	57.6



#14

1,2-Dichlorobenzene

Concen: 44.57 ng

RT: 7.14 min Scan# 425

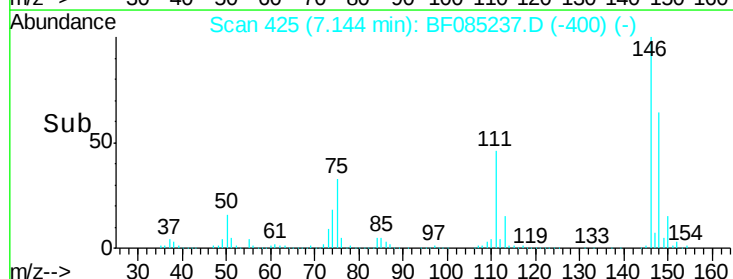
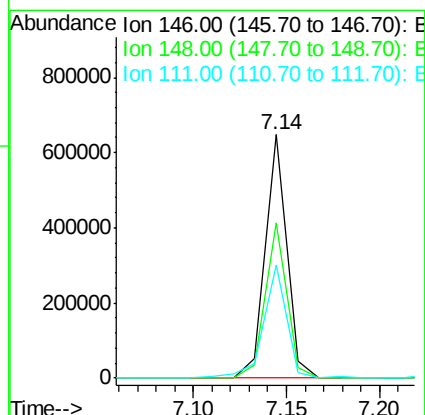
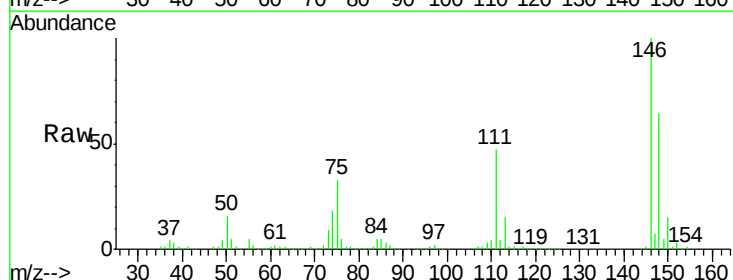
Delta R.T. -0.01 min

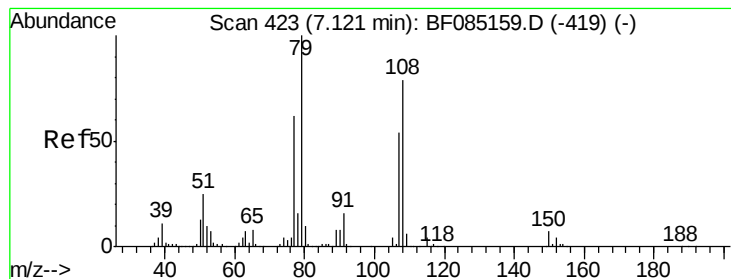
Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Tgt Ion:146 Resp: 511787

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.2
111	46.6	36.7	55.1





#15

Benzyl Alcohol

Concen: 45.66 ng

RT: 7.11 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

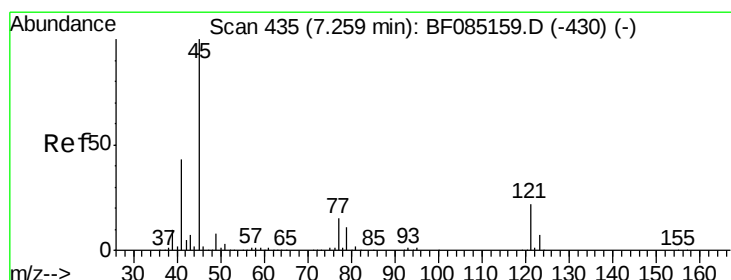
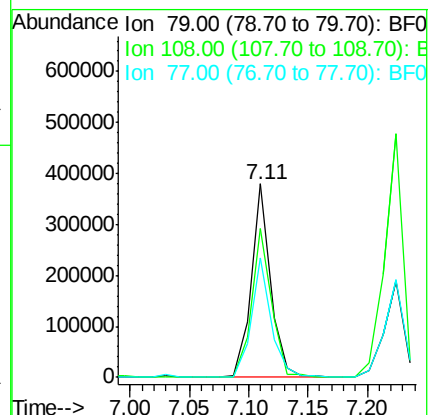
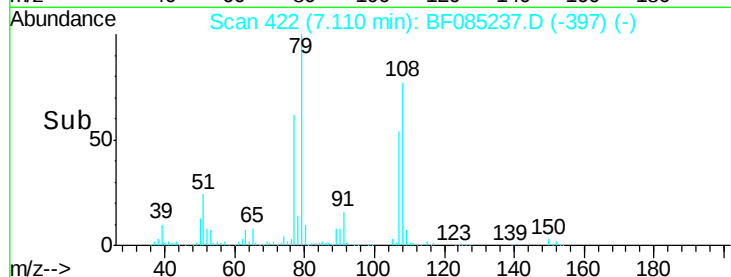
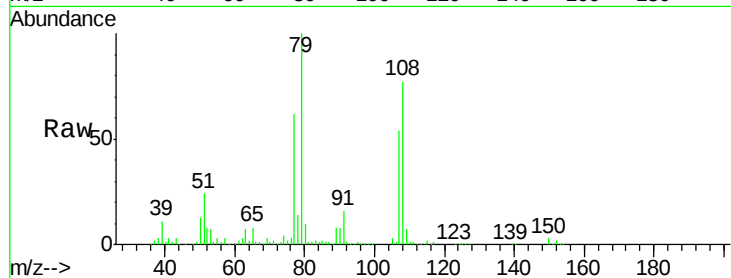
Tgt Ion: 79 Resp: 428985

Ion Ratio Lower Upper

79 100

108 76.8 62.9 94.3

77 62.1 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.22 ng

RT: 7.25 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

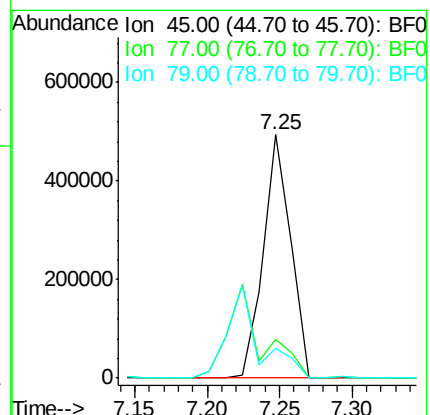
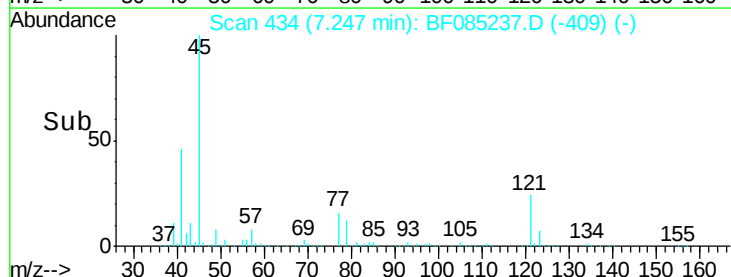
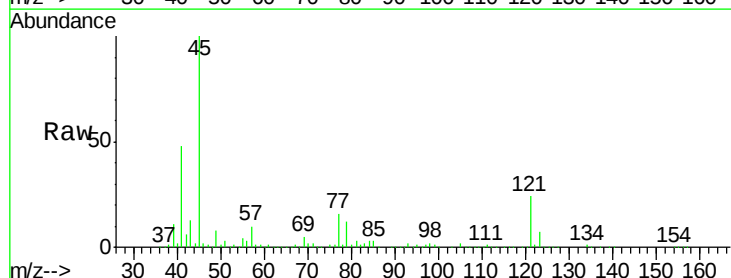
Tgt Ion: 45 Resp: 643725

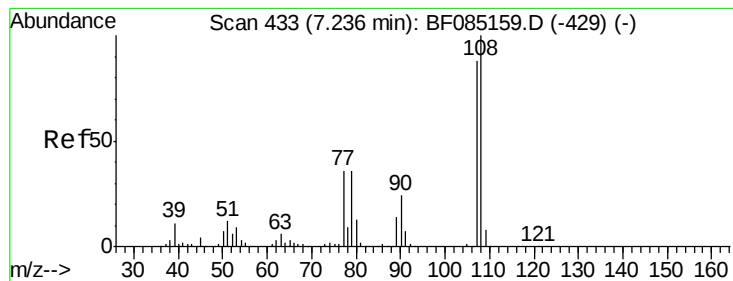
Ion Ratio Lower Upper

45 100

77 16.1 0.0 35.1

79 12.1 0.0 31.3

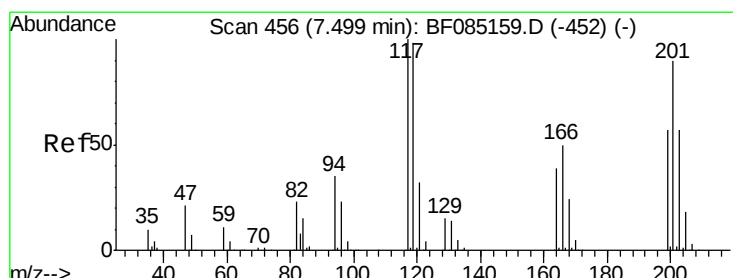
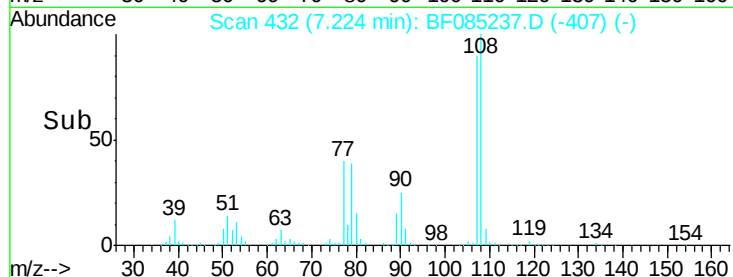
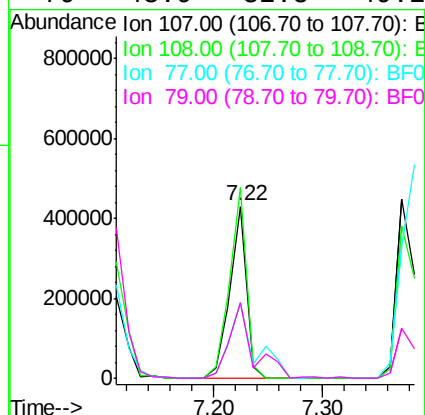
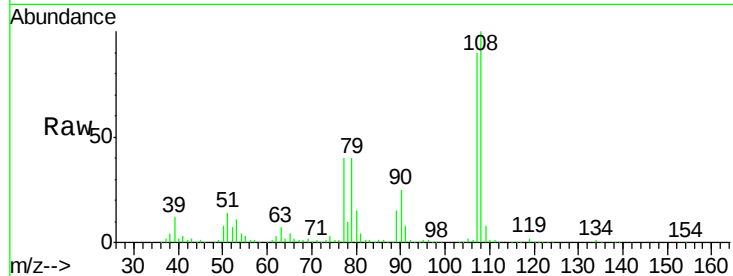




#17
2-Methylphenol
Concen: 47.43 ng
RT: 7.22 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

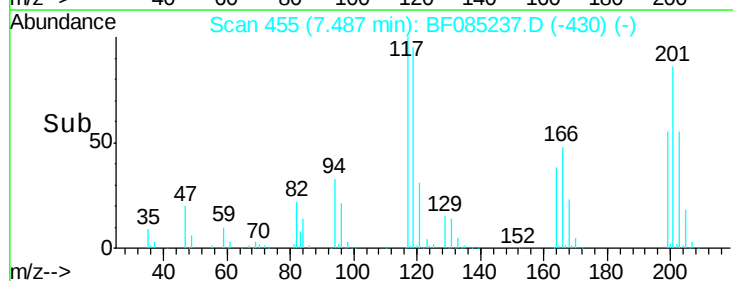
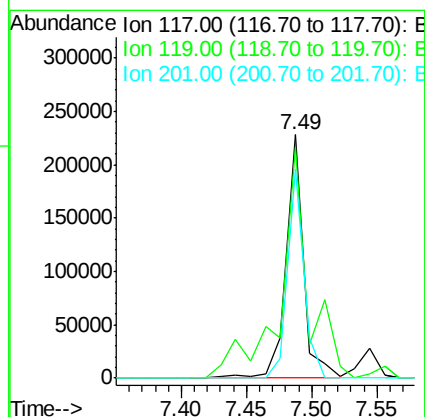
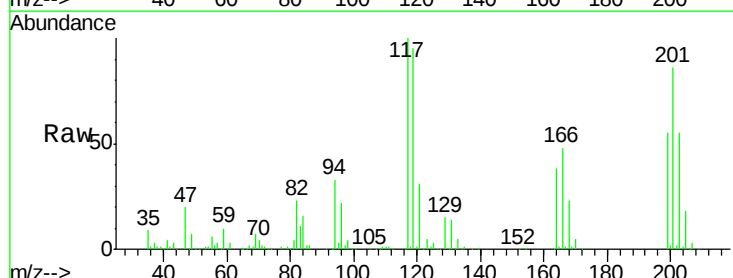
Instrument :
BNA_F
ClientSampled :

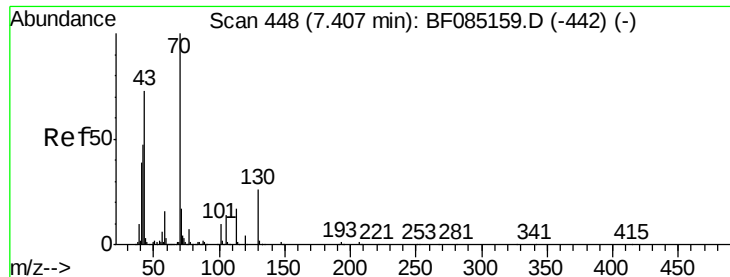
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	455197		
108	111.0	90.9	136.3	
77	44.3	32.6	48.8	
79	43.9	32.8	49.2	



#18
Hexachloroethane
Concen: 46.04 ng
RT: 7.49 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	214929		
119	95.1	78.2	117.4	
201	86.1	72.0	108.0	

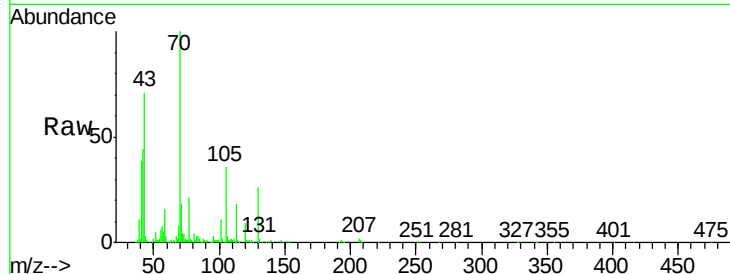




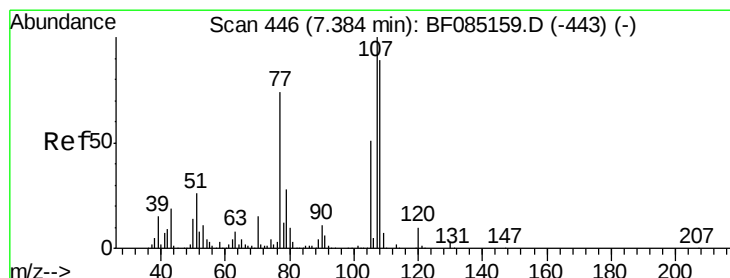
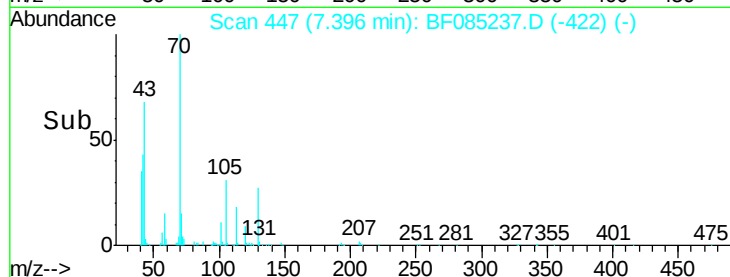
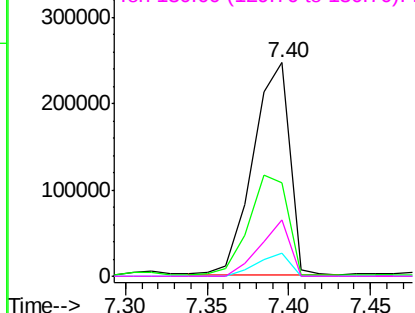
#19
n-Nitroso-di-n-propylamine
Concen: 45.59 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 380316
Ion Ratio Lower Upper
70 100
42 43.6 37.7 56.5
101 11.0 8.2 12.4
130 26.3 20.5 30.7

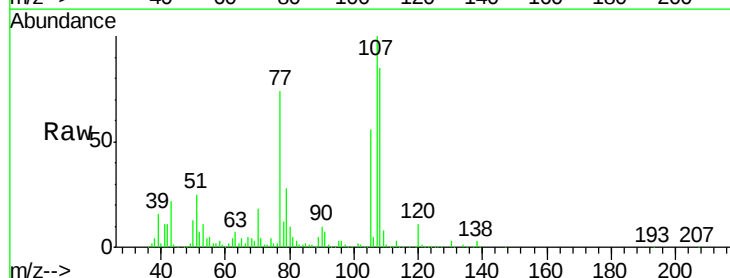


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

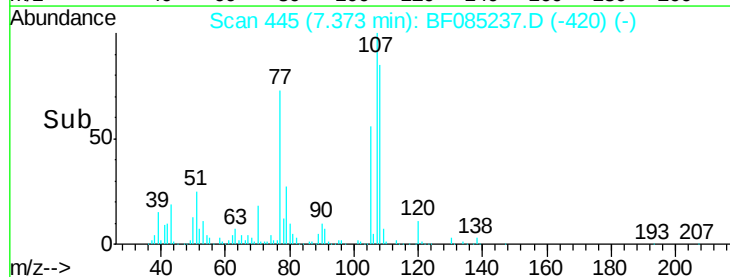
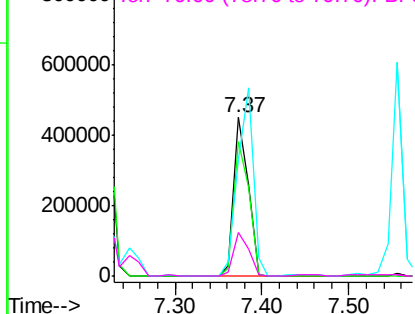


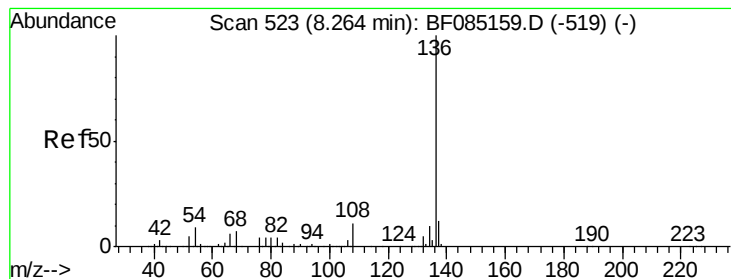
#20
3+4-Methylphenols
Concen: 44.80 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Tgt Ion: 107 Resp: 509316
Ion Ratio Lower Upper
107 100
108 84.9 68.8 108.8
77 73.6 53.6 93.6
79 27.7 8.0 48.0



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF085237.D

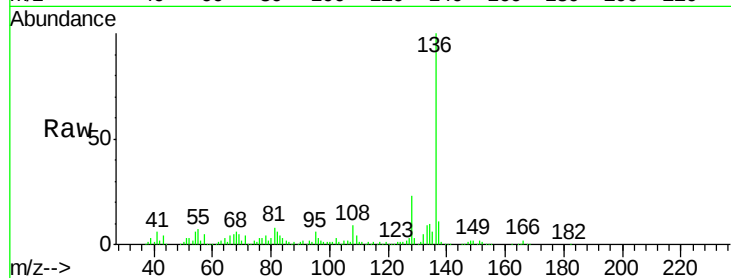
Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	136	Resp:	606704
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.3	13.9
54	6.0	7.4	11.2#
68	5.9	6.0	9.0#

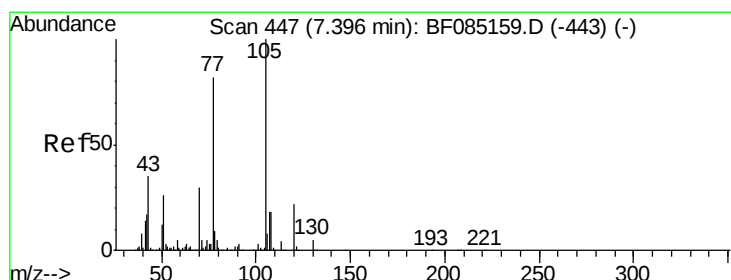
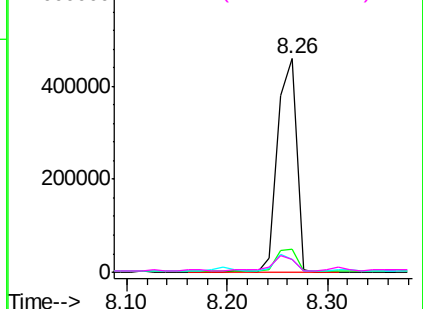
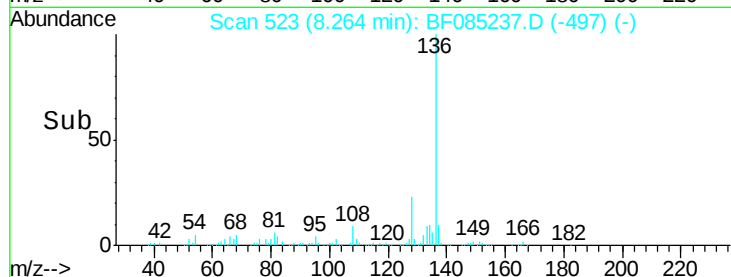


Abundance Ion 136.00 (135.70 to 136.70): E

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: 46.22 ng

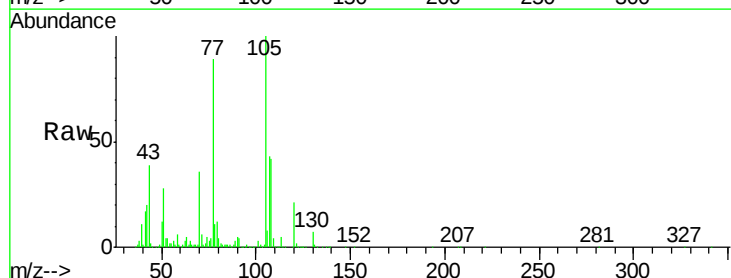
RT: 7.38 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Tgt Ion:	105	Resp:	684413
Ion	Ratio	Lower	Upper
105	100		
71	6.4	4.1	6.1#
51	27.5	21.1	31.7
120	21.3	17.3	25.9

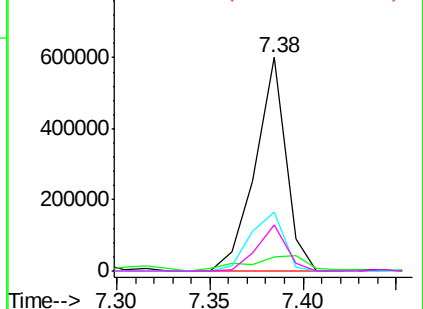
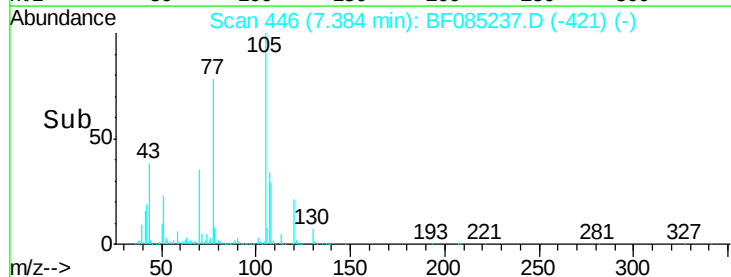


Abundance Ion 105.00 (104.70 to 105.70): E

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

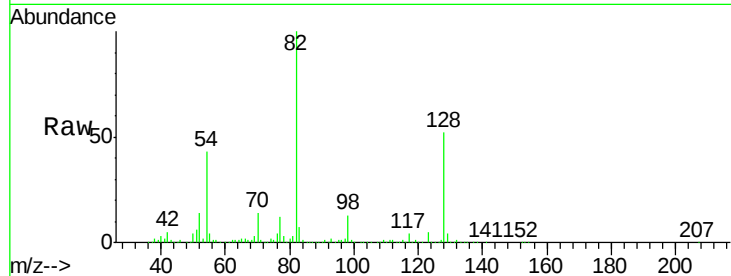




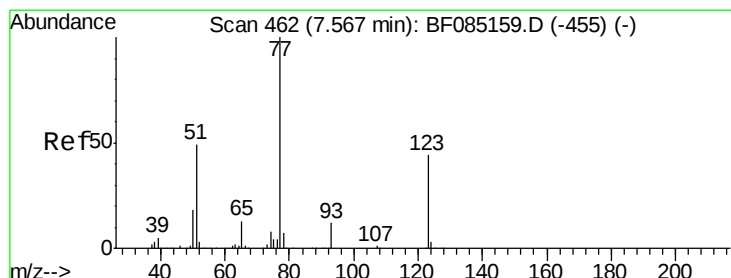
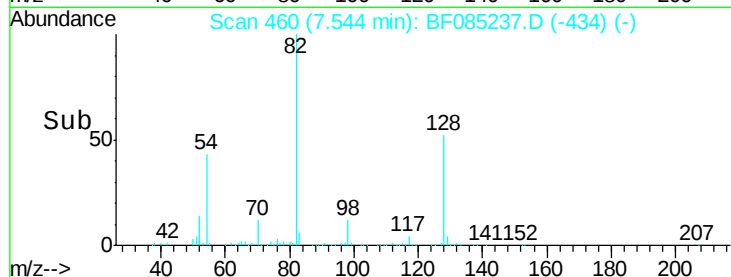
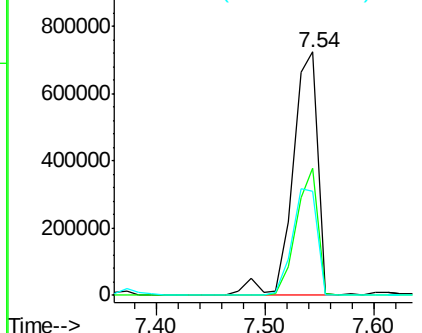
#23
 Nitrobenzene-d5
 Concen: 102.13 ng
 RT: 7.54 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion: 82 Resp: 1157930
 Ion Ratio Lower Upper
 82 100
 128 52.3 34.5 51.7#
 54 42.7 39.3 58.9

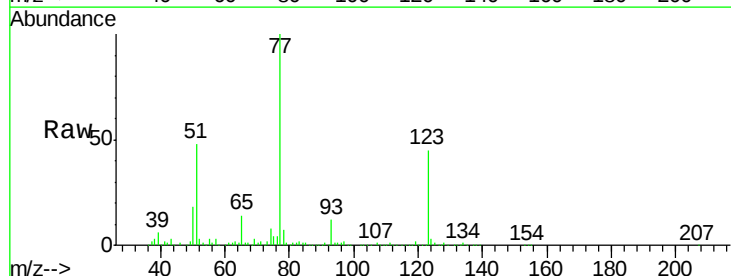


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

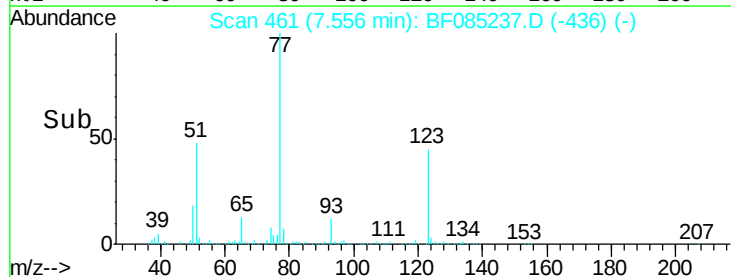
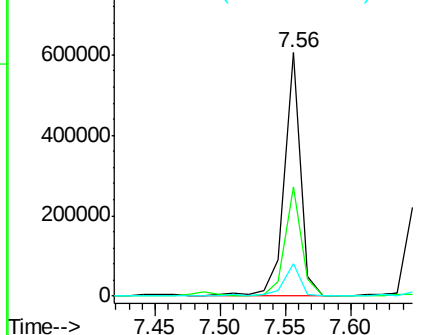


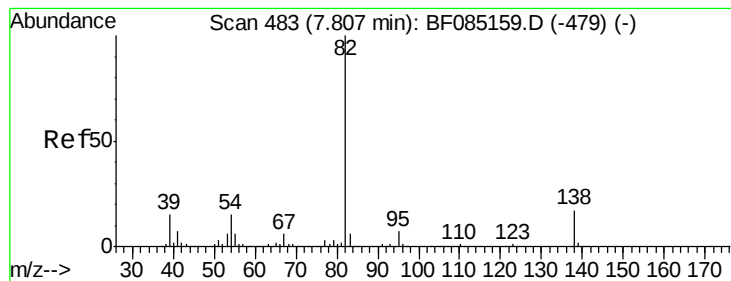
#24
 Nitrobenzene
 Concen: 45.54 ng
 RT: 7.56 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

Tgt Ion: 77 Resp: 524501
 Ion Ratio Lower Upper
 77 100
 123 44.8 35.4 53.2
 65 13.5 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: 49.08 ng

RT: 7.80 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

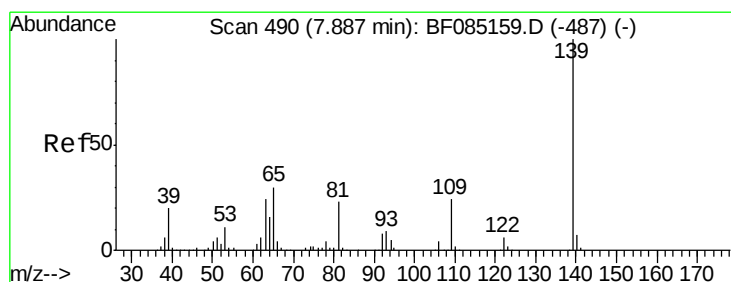
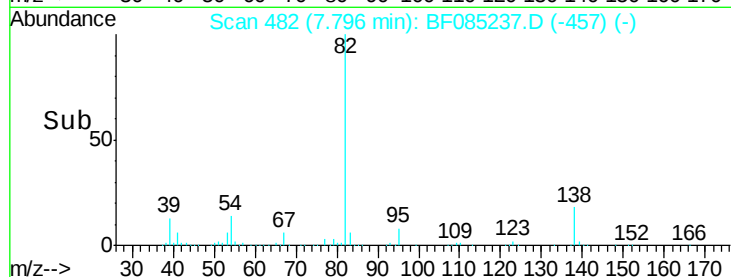
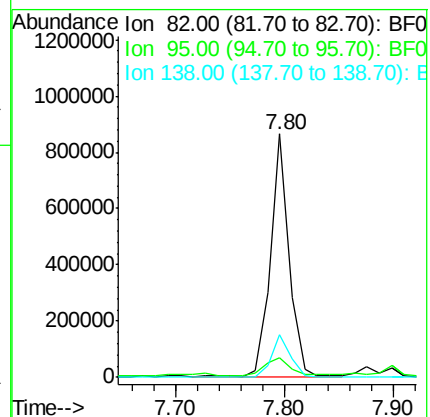
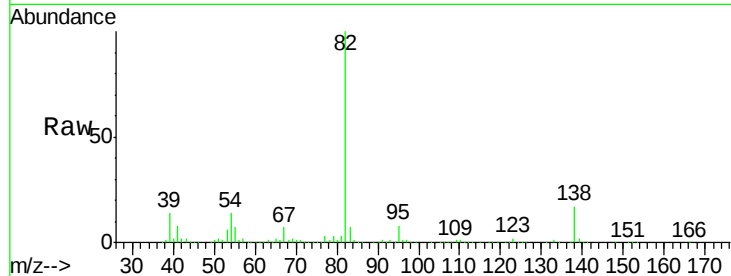
Tgt Ion: 82 Resp: 1031227

Ion Ratio Lower Upper

82 100

95 8.1 5.4 8.2

138 17.3 13.3 19.9



#26

2-Nitrophenol

Concen: 51.80 ng

RT: 7.88 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

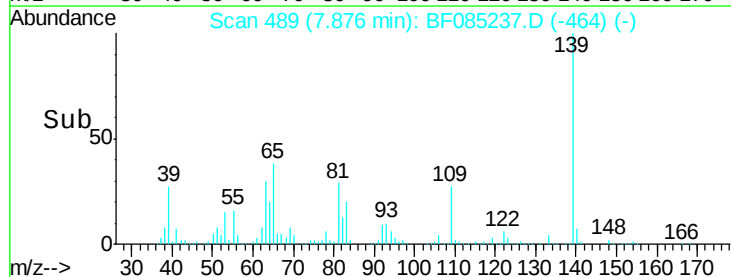
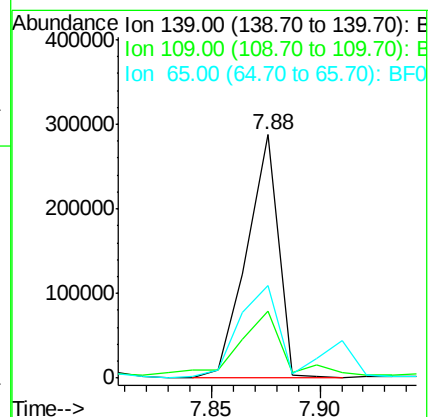
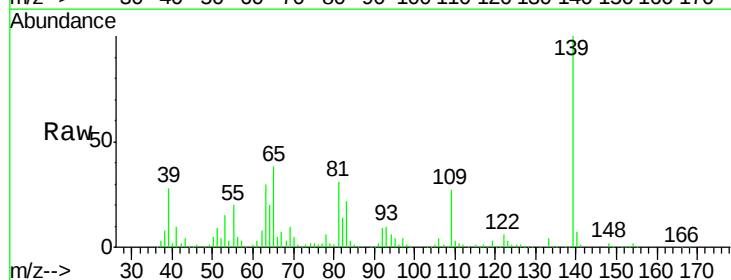
Tgt Ion: 139 Resp: 290324

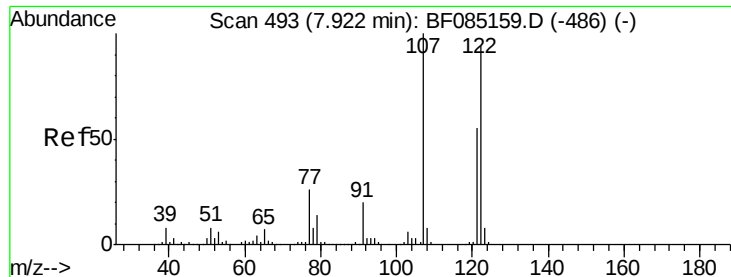
Ion Ratio Lower Upper

139 100

109 27.4 19.1 28.7

65 37.9 23.9 35.9#

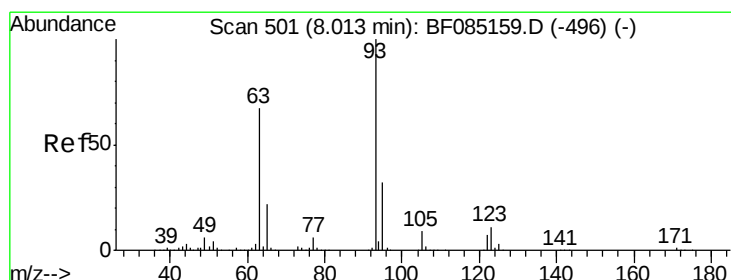
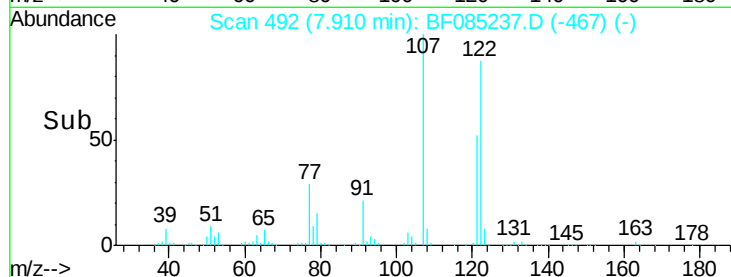
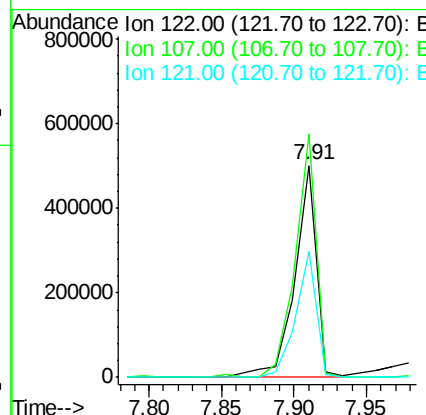
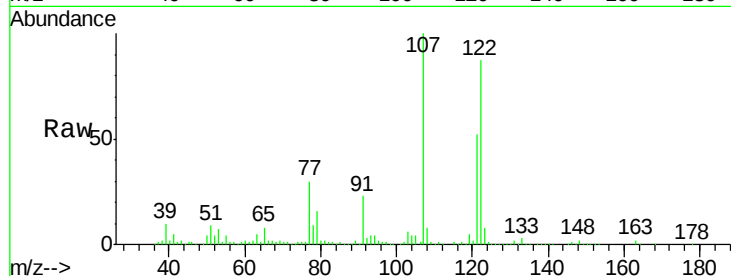




#27
 2,4-Dimethylphenol
 Concen: 50.43 ng
 RT: 7.91 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

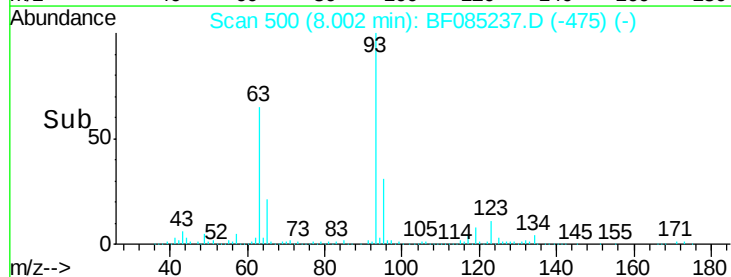
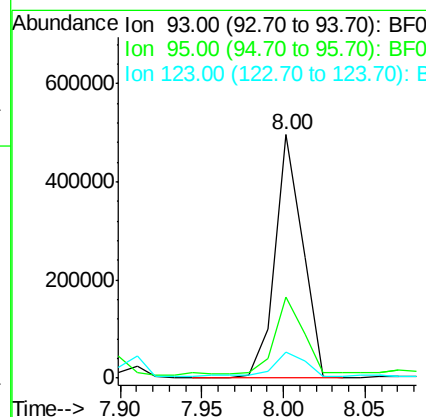
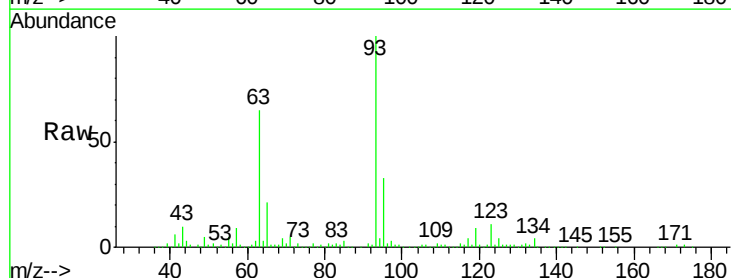
Instrument :
 BNA_F
 ClientSampleId :

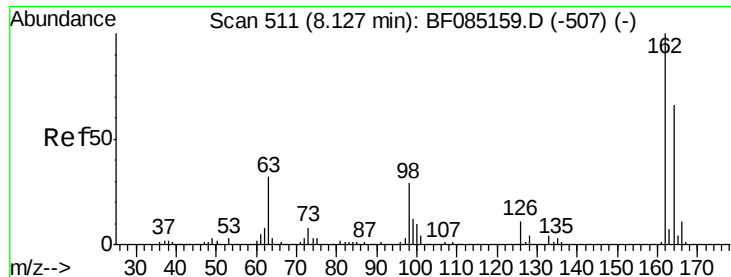
Tgt Ion	Ratio	Lower	Upper
122	100		
107	114.8	84.8	127.2
121	59.5	47.0	70.6



#28
 bis(2-Chloroethoxy)methane
 Concen: 49.56 ng
 RT: 8.00 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	25.9	38.9
123	10.9	8.8	13.2

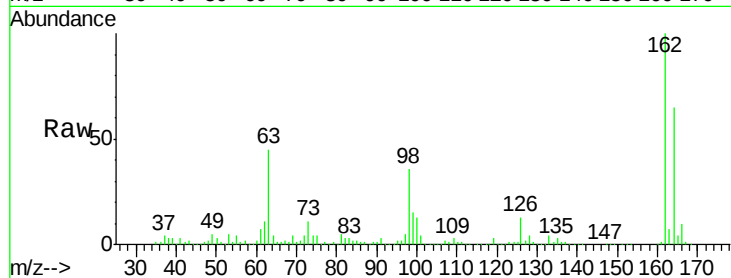




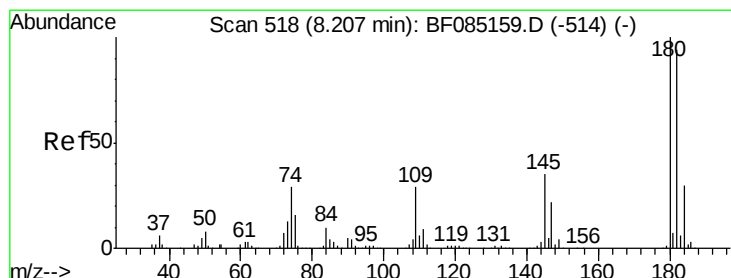
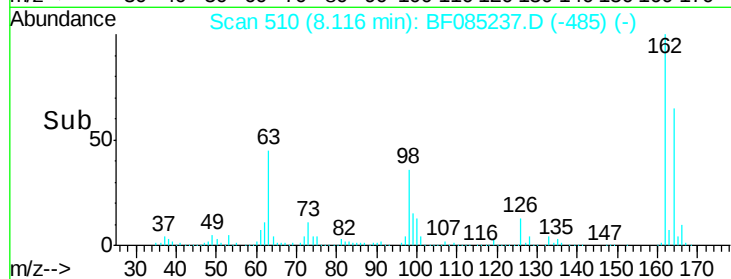
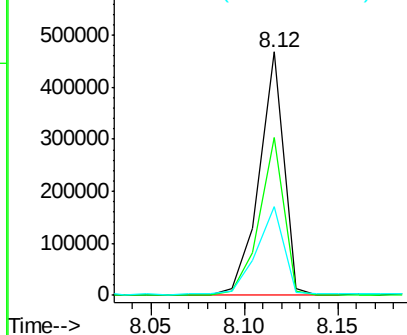
#29
2,4-Dichlorophenol
Concen: 51.98 ng
RT: 8.12 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.6	45.7	85.7
98	36.4	9.4	49.4

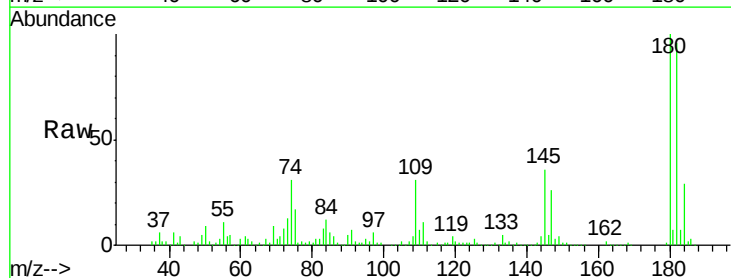


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

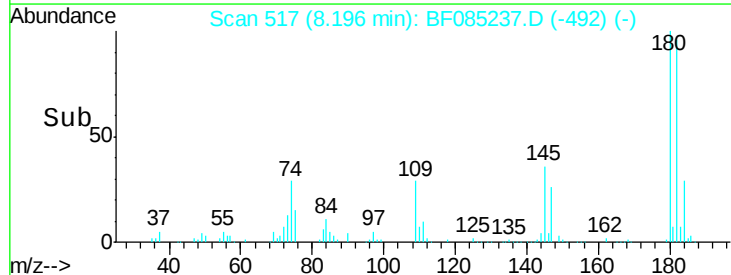
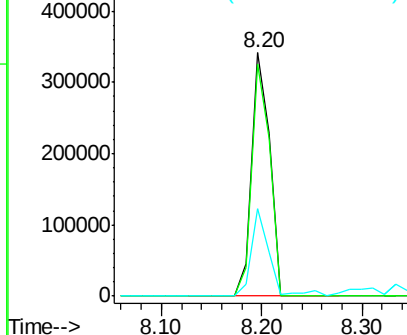


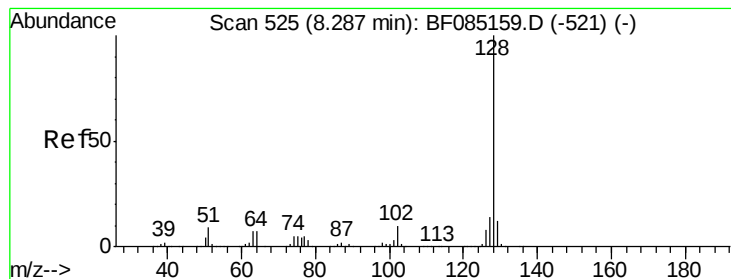
#30
1,2,4-Trichlorobenzene
Concen: 47.41 ng
RT: 8.20 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.9	112.3
145	36.0	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: 49.78 ng

RT: 8.29 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

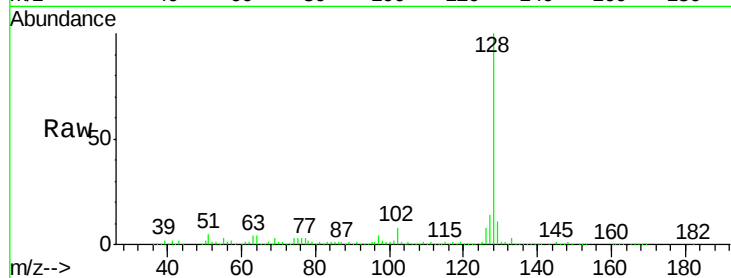
Tgt Ion:128 Resp: 1484914

Ion Ratio Lower Upper

128 100

129 11.2 9.7 14.5

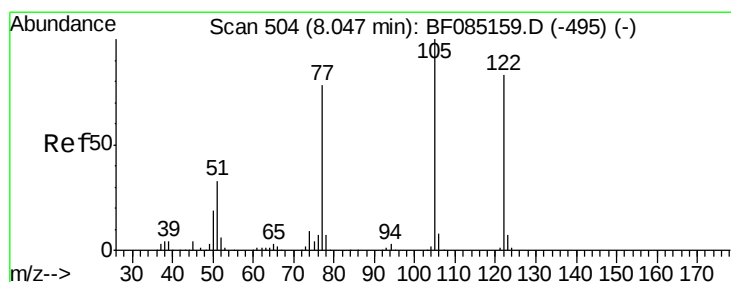
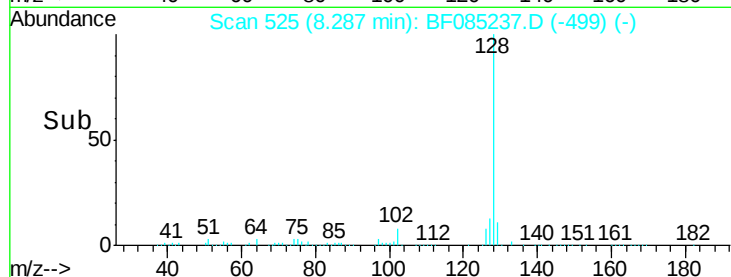
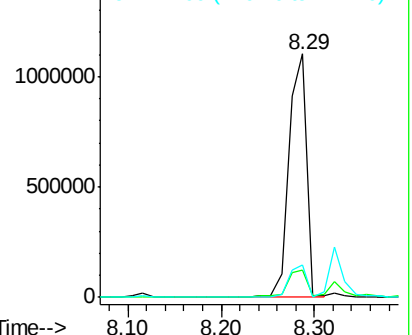
127 13.5 11.2 16.8



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: 11.12 ng

RT: 7.98 min Scan# 498

Delta R.T. -0.07 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

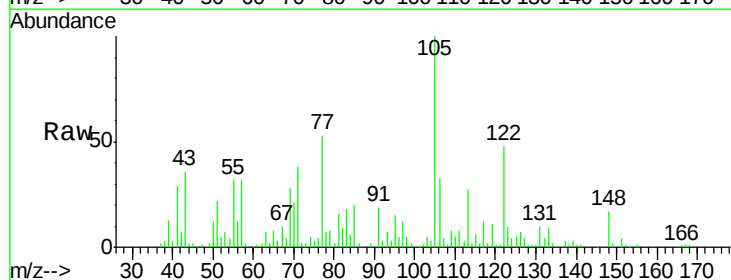
Tgt Ion:122 Resp: 75667

Ion Ratio Lower Upper

122 100

105 208.0 101.3 141.3#

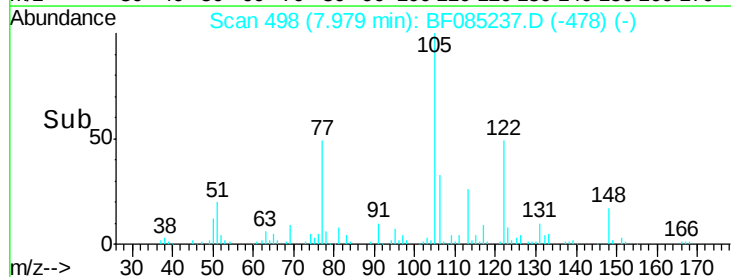
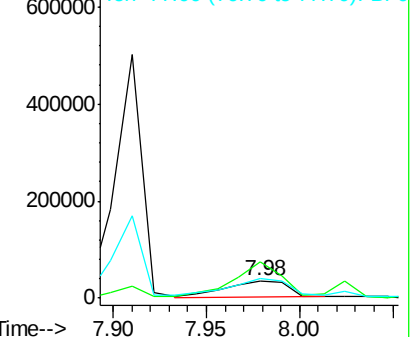
77 110.7 74.7 114.7

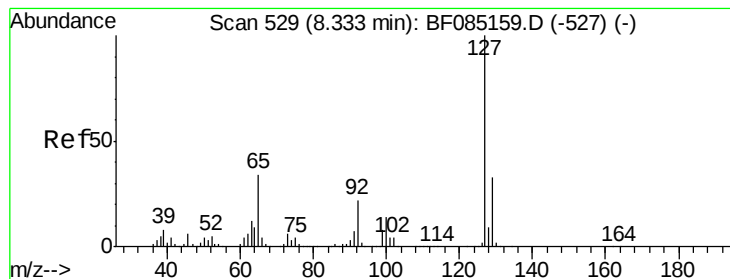


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 19.13 ng

RT: 8.32 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:127 Resp: 230886

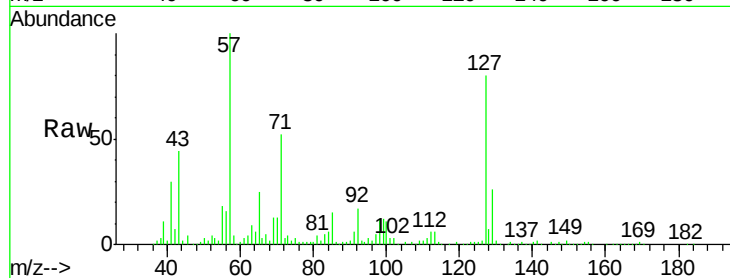
Ion Ratio Lower Upper

127 100

129 32.0 26.1 39.1

65 31.7 27.0 40.6

92 20.9 17.4 26.0

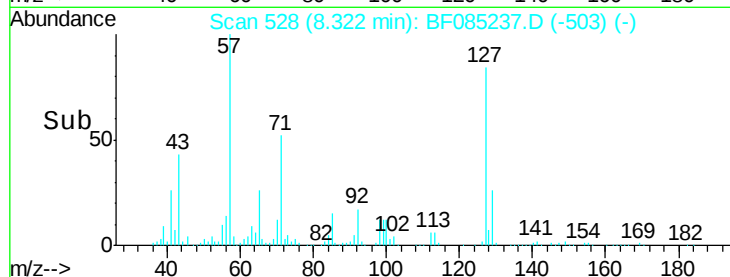


Abundance Ion 127.00 (126.70 to 127.70): E

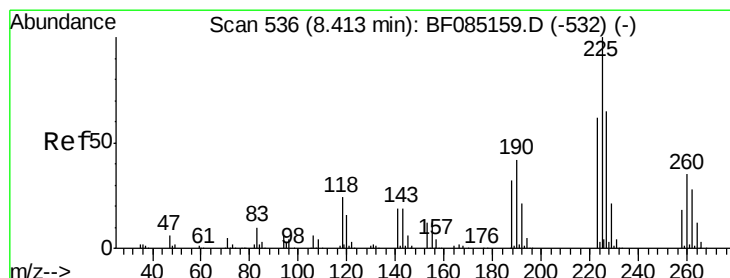
Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



Time--> 8.25 8.30 8.35 8.40



#34

Hexachlorobutadiene

Concen: 51.40 ng

RT: 8.40 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

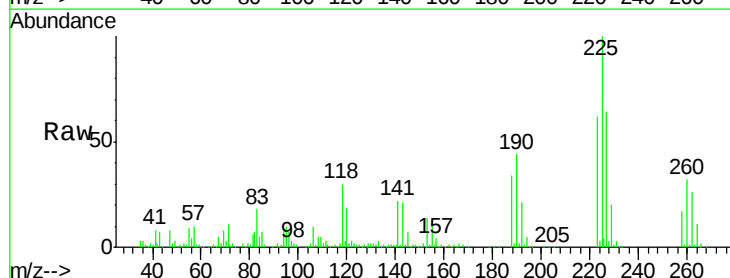
Tgt Ion:225 Resp: 238870

Ion Ratio Lower Upper

225 100

223 62.1 49.7 74.5

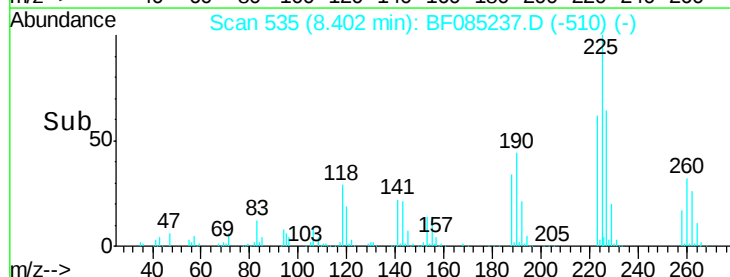
227 63.9 52.2 78.4



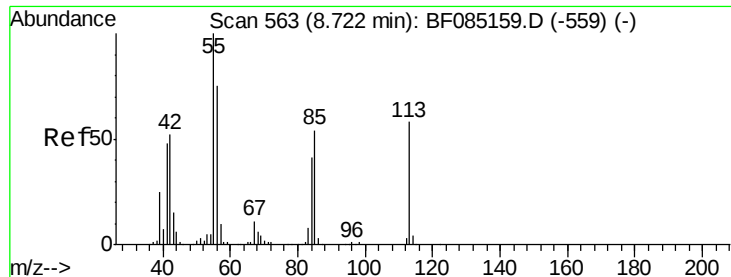
Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



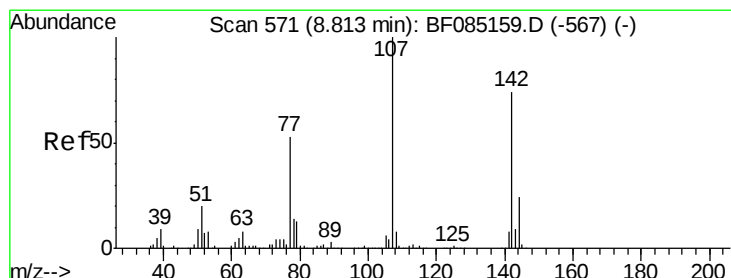
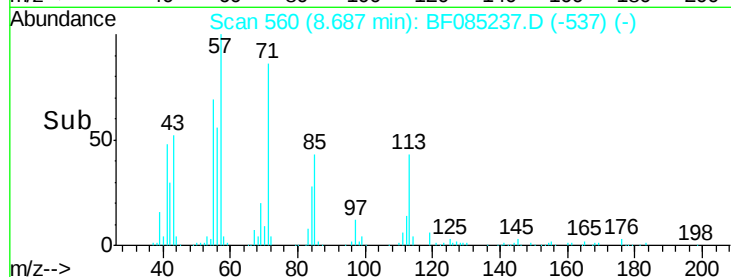
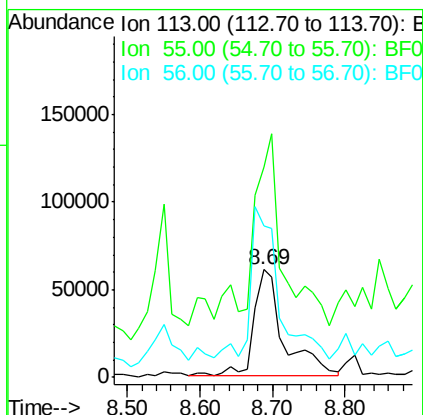
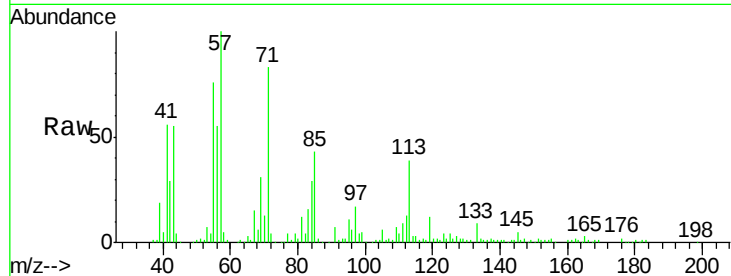
Time--> 8.35 8.40 8.45



#35
 Caprolactam
 Concen: 64.28 ng
 RT: 8.69 min Scan# 560
 Delta R.T. -0.03 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

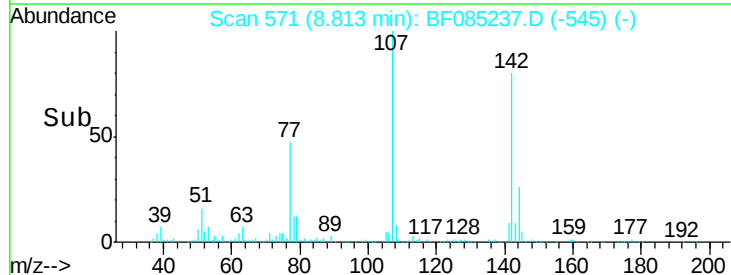
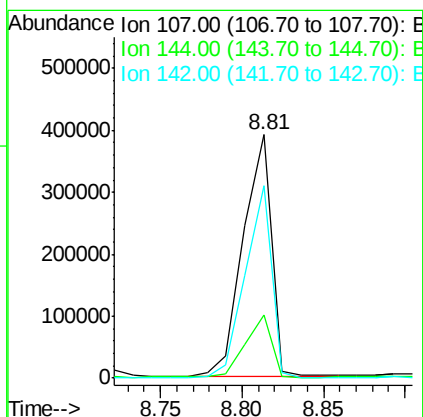
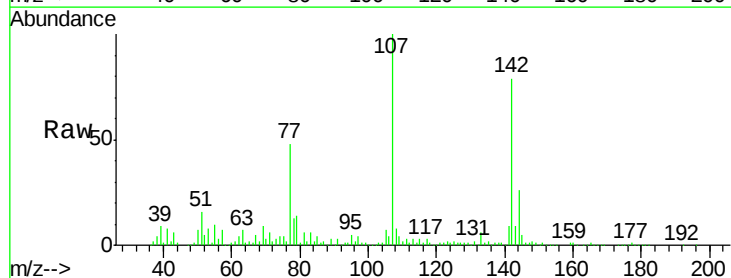
Instrument :
 BNA_F
 ClientSampleId :

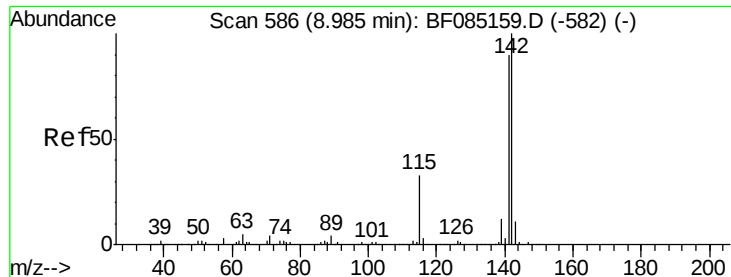
Tgt Ion:113 Resp: 173417
 Ion Ratio Lower Upper
 113 100
 55 195.0 152.7 192.7#
 56 140.2 109.0 149.0



#36
 4-Chloro-3-methylphenol
 Concen: 50.02 ng
 RT: 8.81 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

Tgt Ion:107 Resp: 468744
 Ion Ratio Lower Upper
 107 100
 144 26.1 19.4 29.2
 142 79.3 59.4 89.2

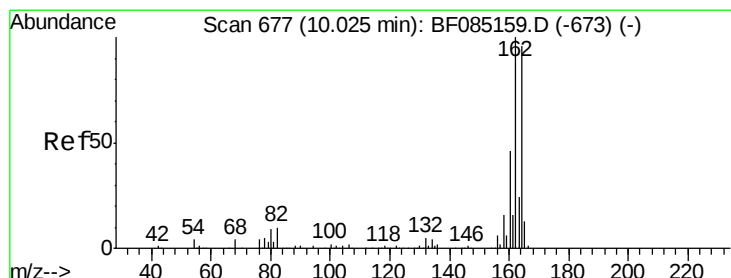
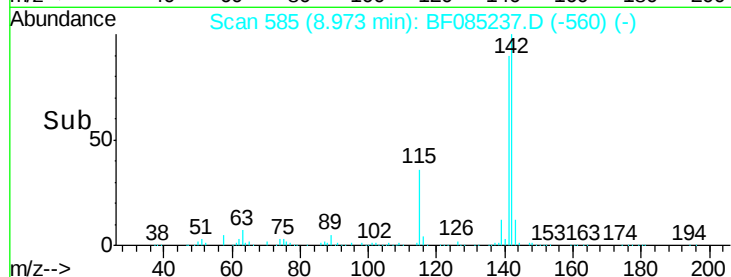
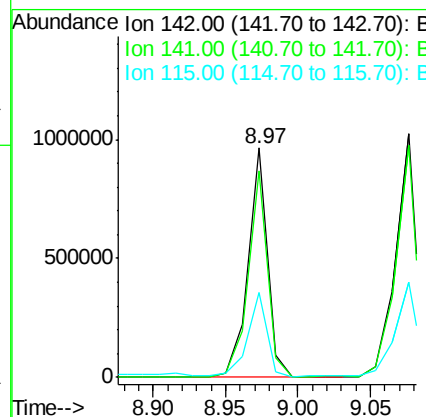
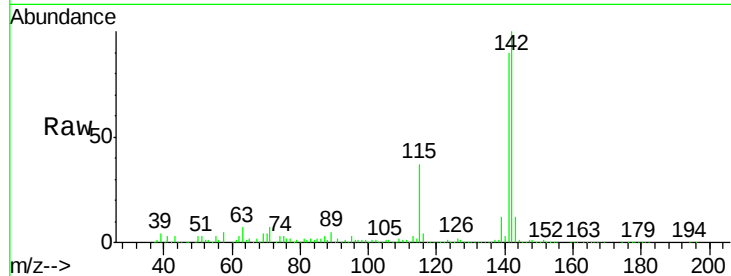




#37
2-Methylnaphthalene
Concen: 46.53 ng
RT: 8.97 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

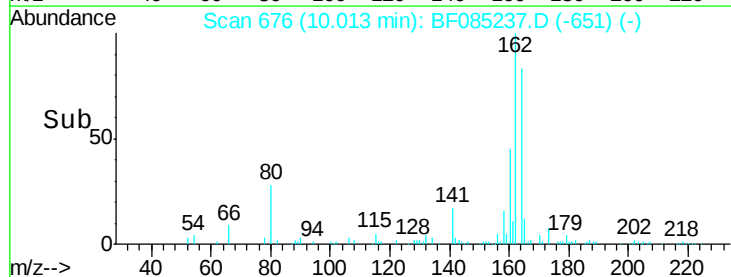
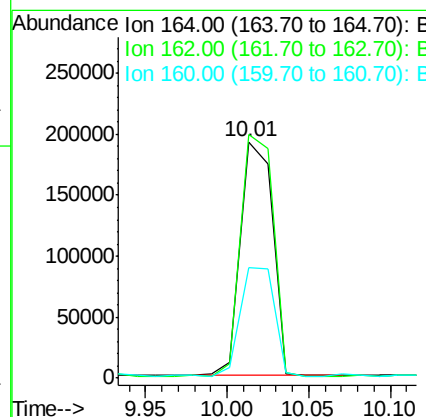
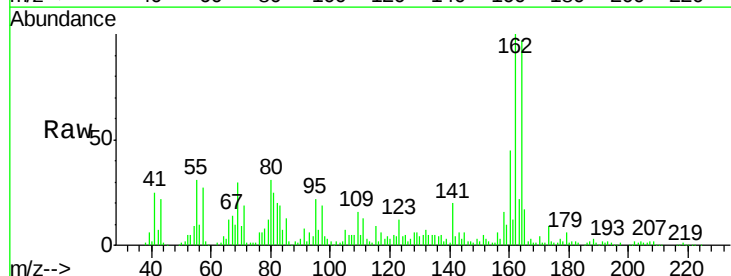
Instrument :
BNA_F
ClientSampleId :

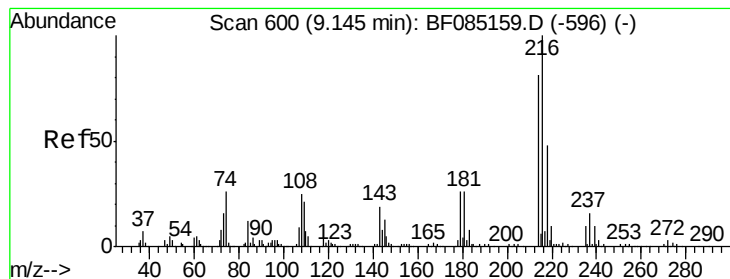
Tgt Ion:142 Resp: 890762
Ion Ratio Lower Upper
142 100
141 89.9 71.7 107.5
115 36.8 26.2 39.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Tgt Ion:164 Resp: 261331
Ion Ratio Lower Upper
164 100
162 102.9 83.3 124.9
160 46.5 37.9 56.9





#39

1,2,4,5-Tetrachlorobenzene

Concen: 50.42 ng

RT: 9.14 min Scan# 600

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:216 Resp: 376856

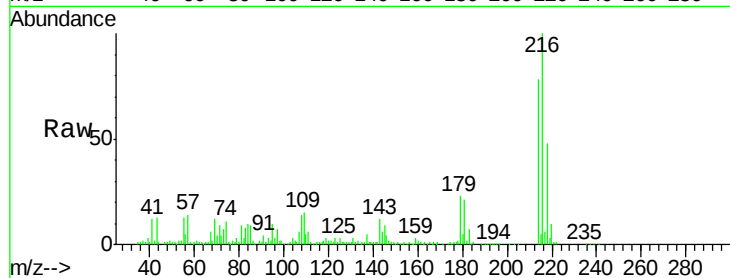
Ion Ratio Lower Upper

216 100

214 79.0 63.8 95.6

179 26.9 19.6 29.4

108 21.4 19.6 29.4

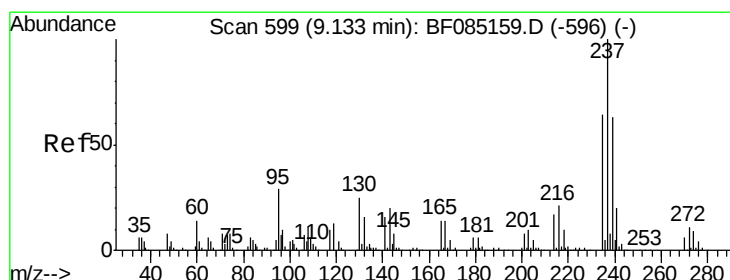
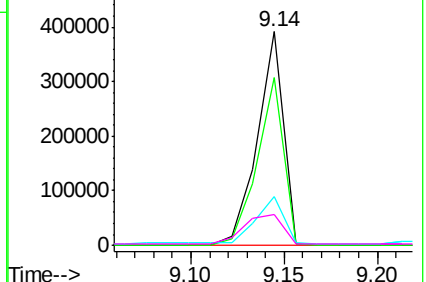
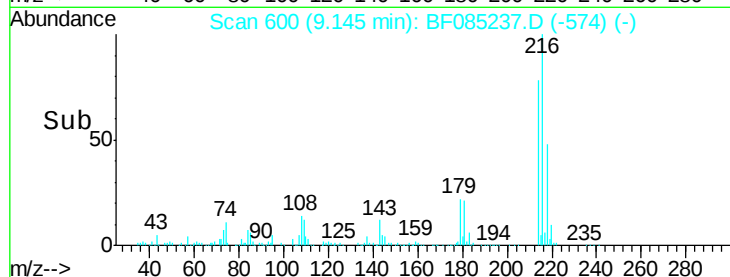


Abundance Ion 216.00 (215.70 to 216.70): E

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: 56.15 ng

RT: 9.13 min Scan# 599

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

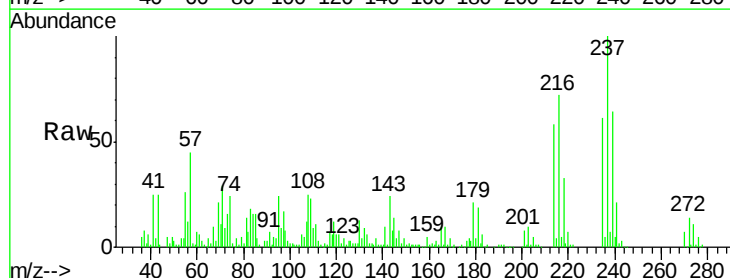
Tgt Ion:237 Resp: 226348

Ion Ratio Lower Upper

237 100

235 60.8 43.7 83.7

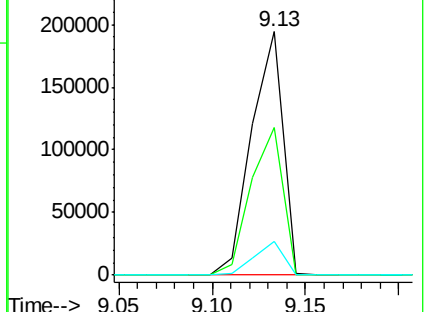
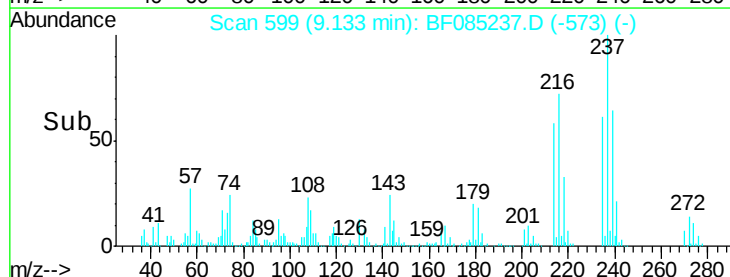
272 14.1 0.0 31.5

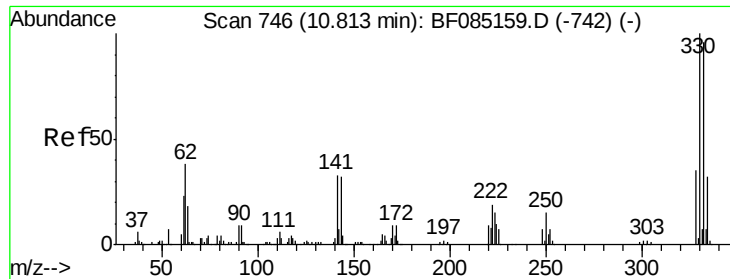


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

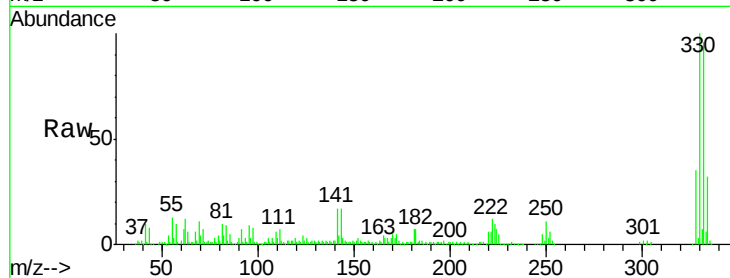




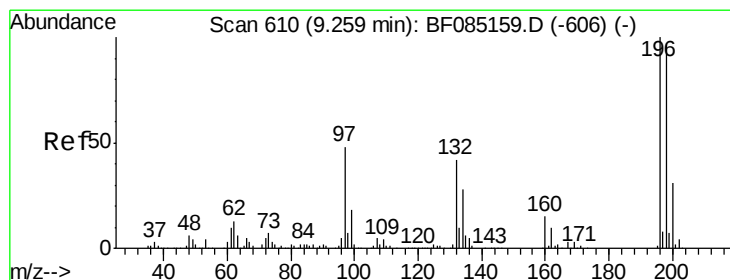
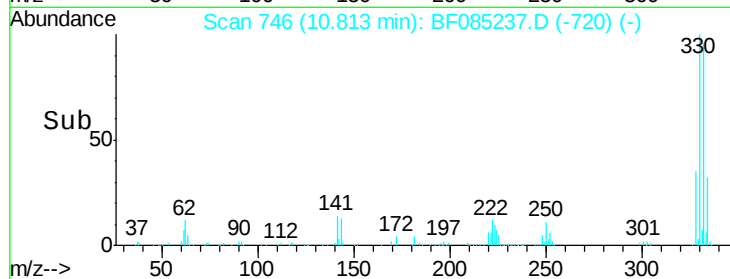
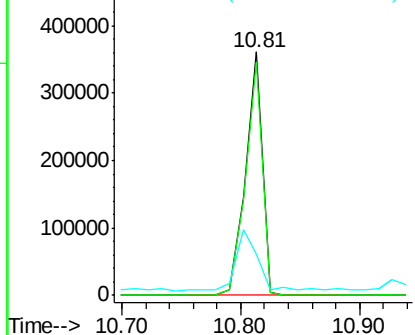
#41
 2,4,6-Tribromophenol
 Concen: 159.88 ng
 RT: 10.81 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion:330 Resp: 357499
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.1 115.7
 141 32.7 35.0 52.6#

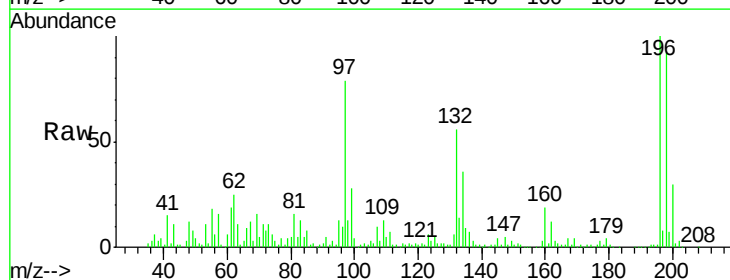


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

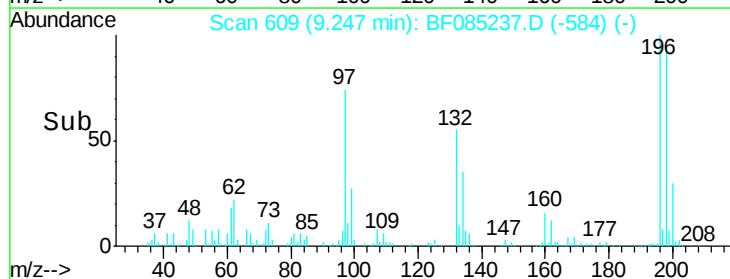
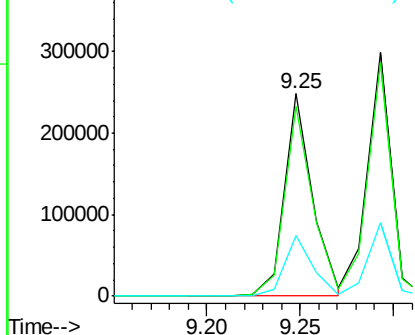


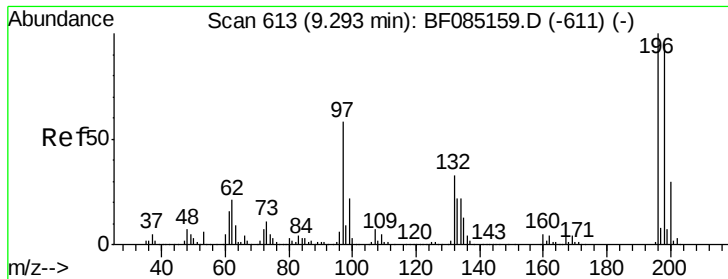
#42
 2,4,6-Trichlorophenol
 Concen: 46.69 ng
 RT: 9.25 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

Tgt Ion:196 Resp: 259740
 Ion Ratio Lower Upper
 196 100
 198 93.5 77.8 116.6
 200 29.9 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

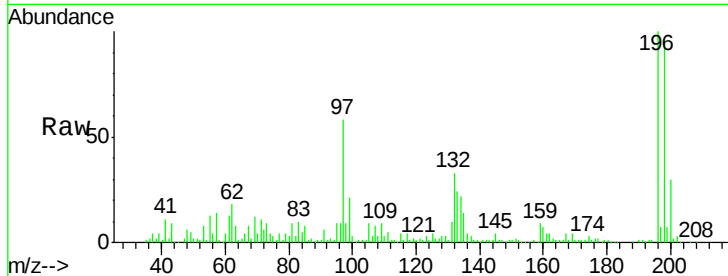




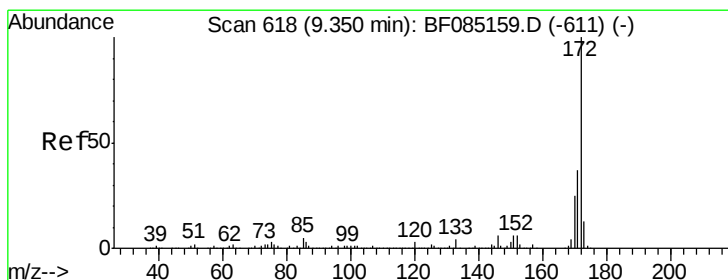
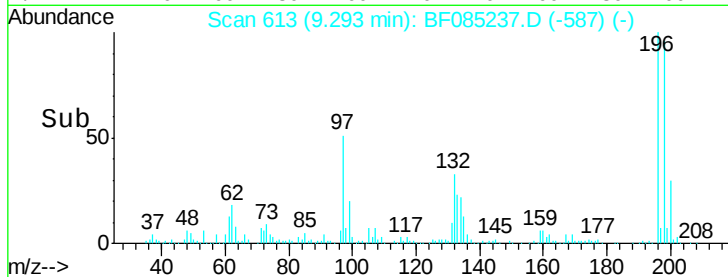
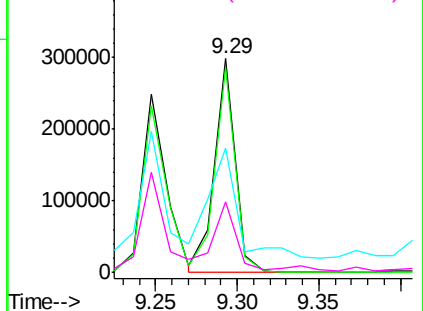
#43
2,4,5-Trichlorophenol
Concen: 49.50 ng
RT: 9.29 min Scan# 613
Delta R.T. 0.00 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Instrument :
BNA_F
ClientSampled :

Tgt Ion:196 Resp: 261122
Ion Ratio Lower Upper
196 100
198 95.7 75.7 113.5
97 57.9 46.4 69.6
132 32.7 26.2 39.4

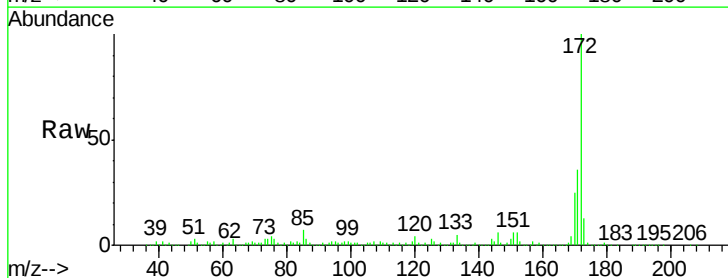


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF0
Ion 132.00 (131.70 to 132.70): E

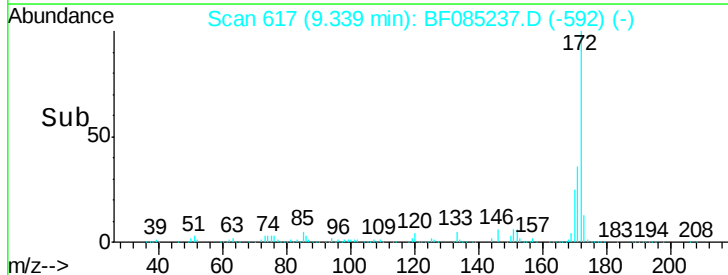
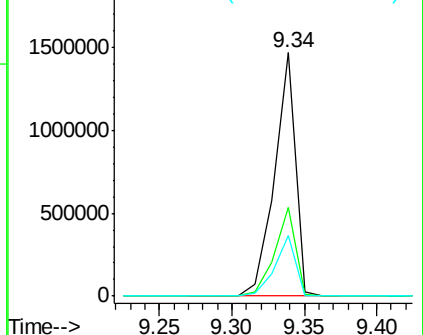


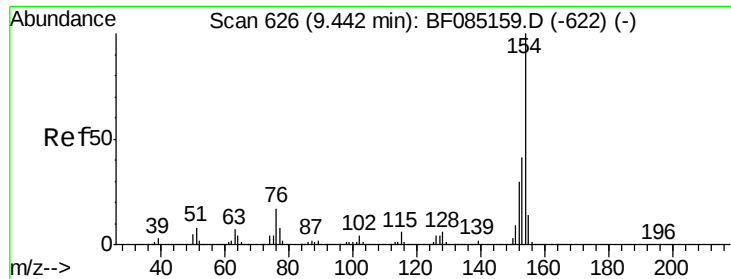
#44
2-Fluorobiphenyl
Concen: 85.58 ng
RT: 9.34 min Scan# 617
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Tgt Ion:172 Resp: 1470636
Ion Ratio Lower Upper
172 100
171 36.4 29.3 43.9
170 24.6 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

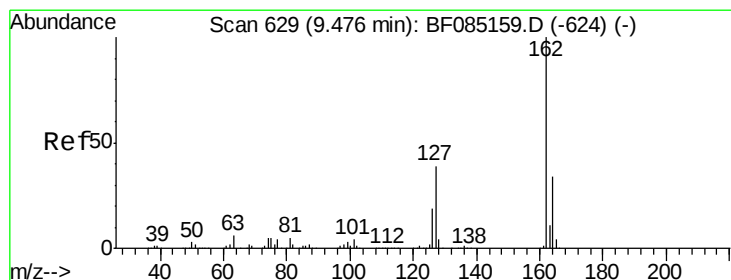
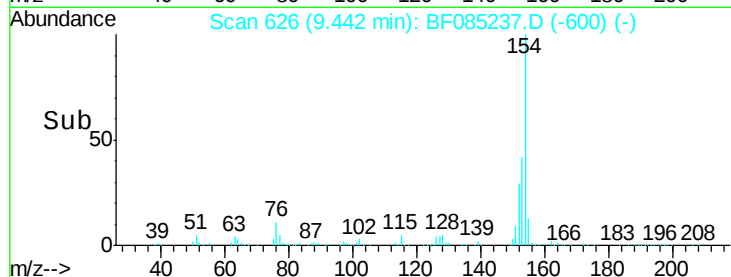
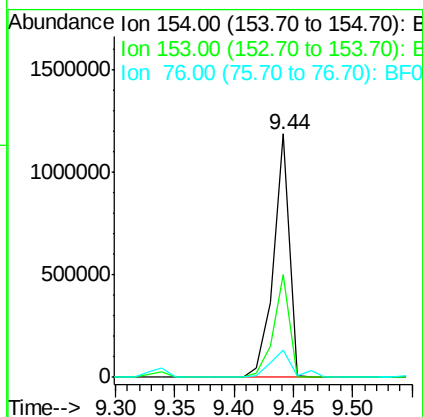
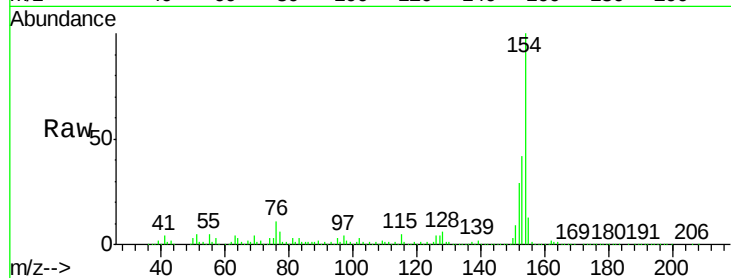




#45
 1,1'-Biphenyl
 Concen: 49.27 ng
 RT: 9.44 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

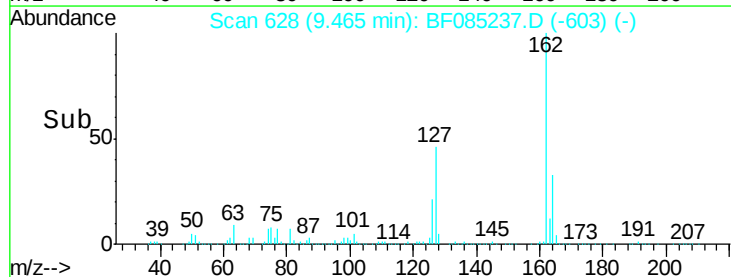
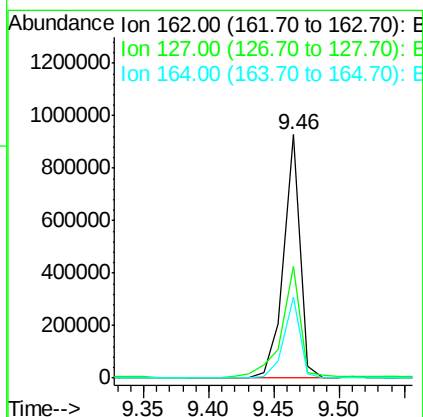
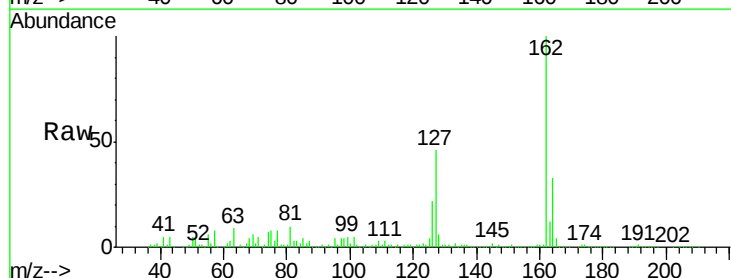
Instrument :
 BNA_F
 ClientSampleId :

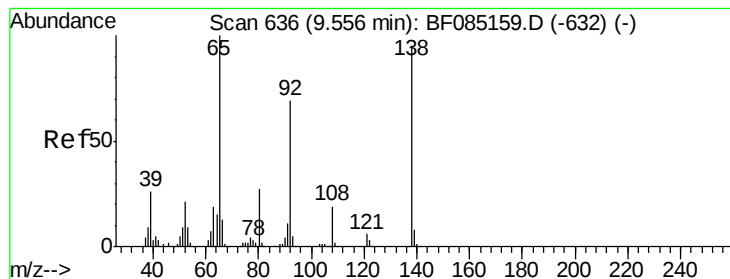
Tgt Ion:154 Resp: 1099926
 Ion Ratio Lower Upper
 154 100
 153 42.1 21.4 61.4
 76 11.4 0.0 37.5



#46
 2-Chloronaphthalene
 Concen: 48.52 ng
 RT: 9.46 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

Tgt Ion:162 Resp: 825793
 Ion Ratio Lower Upper
 162 100
 127 46.0 31.6 47.4
 164 33.4 27.1 40.7





#47

2-Nitroaniline

Concen: 55.17 ng

RT: 9.56 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

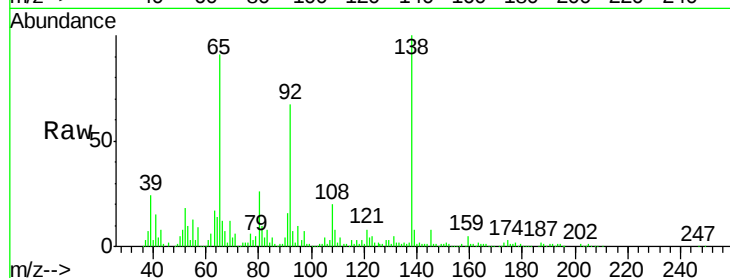
Tgt Ion: 65 Resp: 290951

Ion Ratio Lower Upper

65 100

92 73.1 55.4 83.2

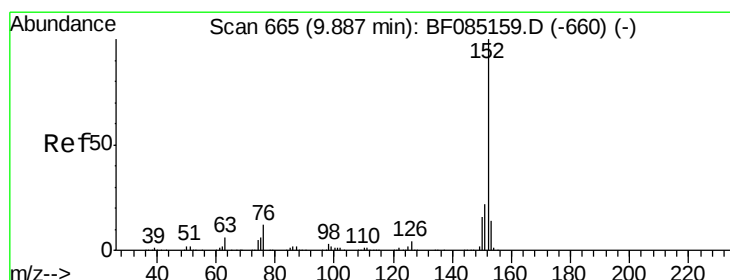
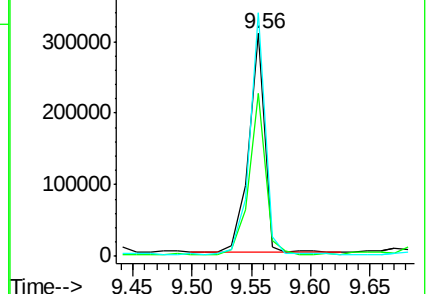
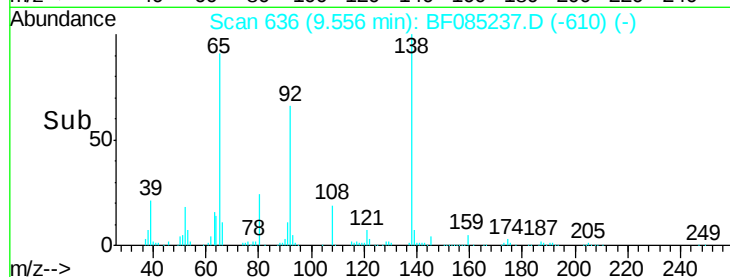
138 109.4 75.7 113.5



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: 48.91 ng

RT: 9.88 min Scan# 664

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

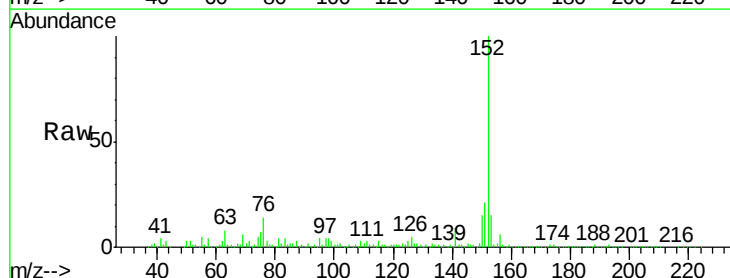
Tgt Ion: 152 Resp: 1295478

Ion Ratio Lower Upper

152 100

151 21.1 17.5 26.3

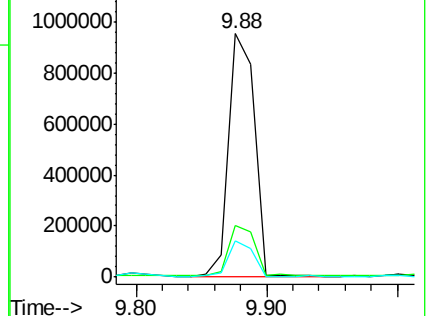
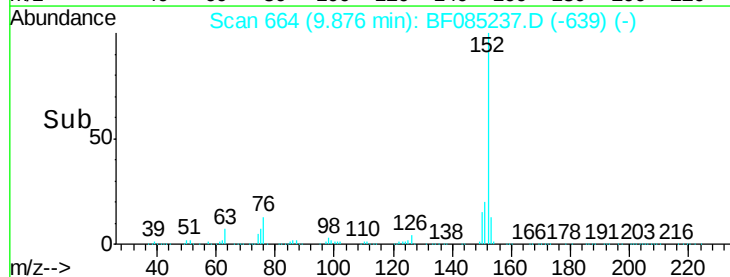
153 15.1 11.3 16.9

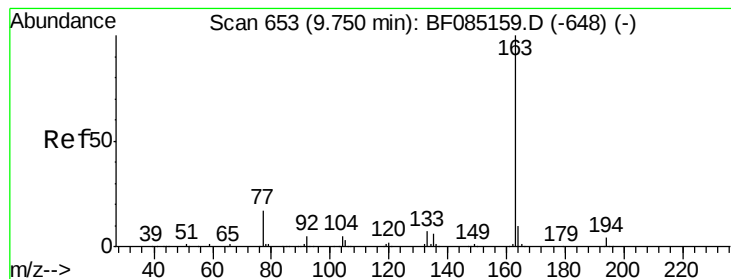


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 51.51 ng

RT: 9.74 min Scan# 652

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampled :

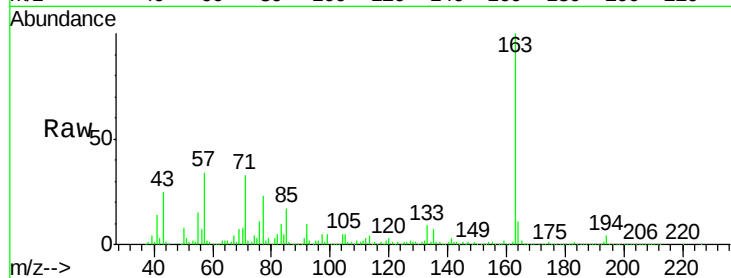
Tgt Ion:163 Resp: 1033121

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

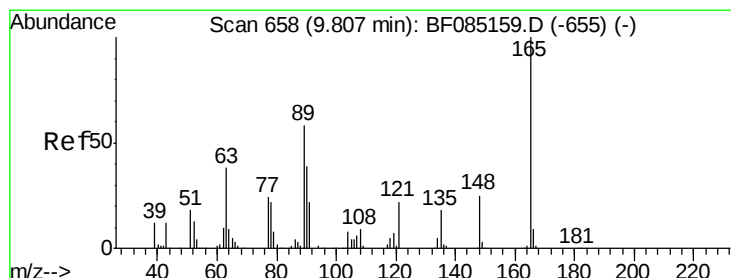
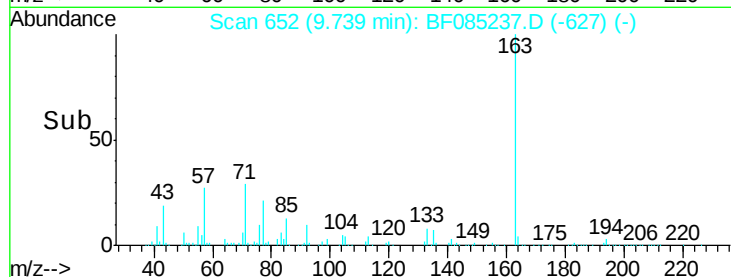
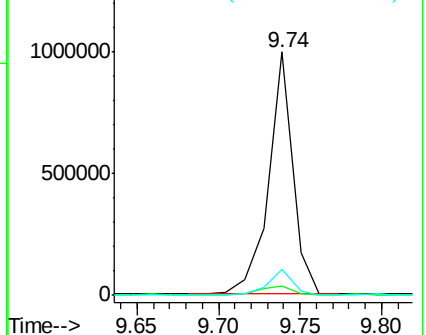
164 10.7 8.2 12.4



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: 46.03 ng

RT: 9.80 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

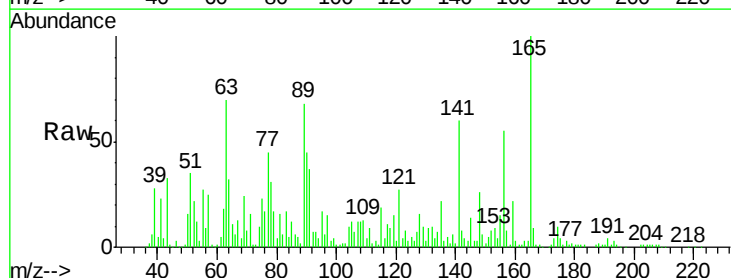
Tgt Ion:165 Resp: 197512

Ion Ratio Lower Upper

165 100

63 69.9 41.8 62.8#

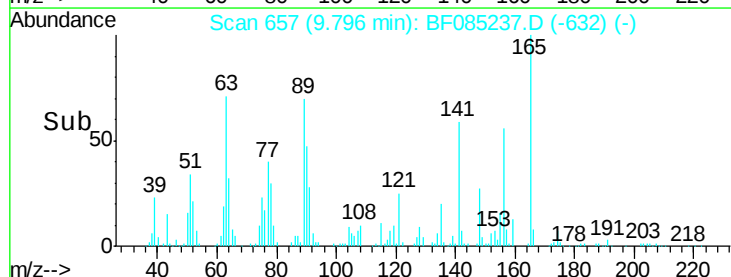
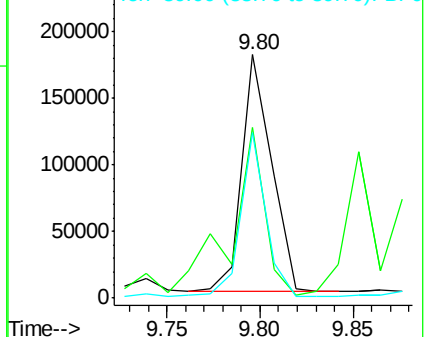
89 68.0 46.7 70.1

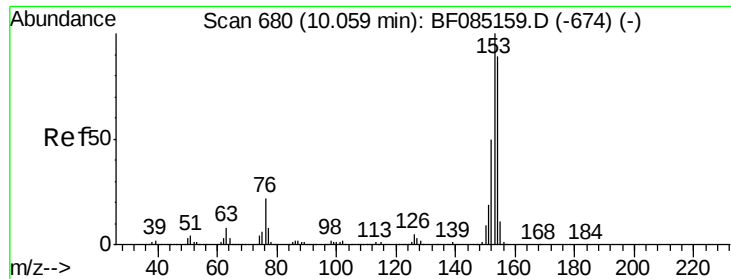


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

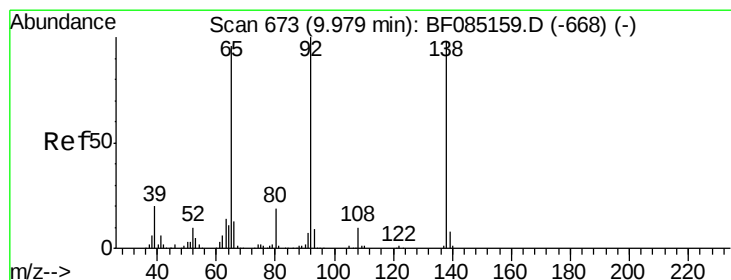
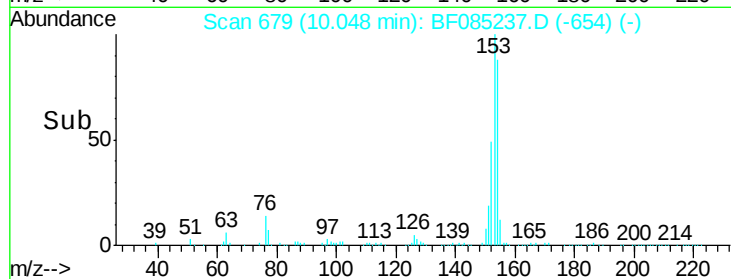
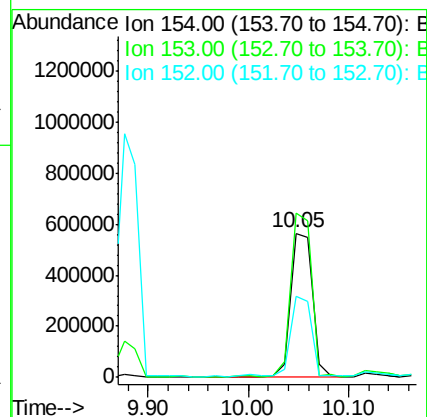
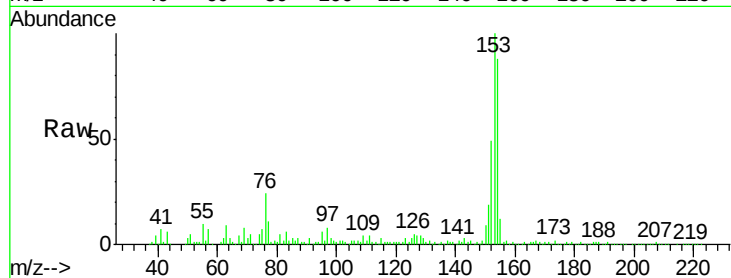




#51
Acenaphthene
Concen: 52.14 ng
RT: 10.05 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

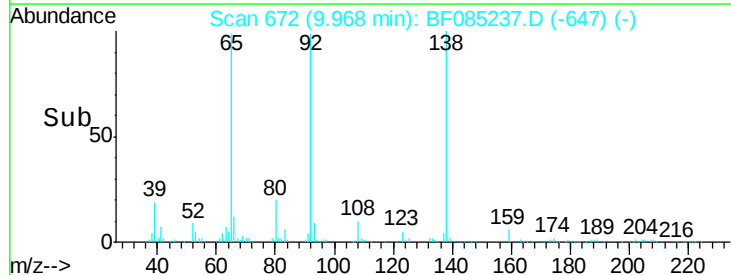
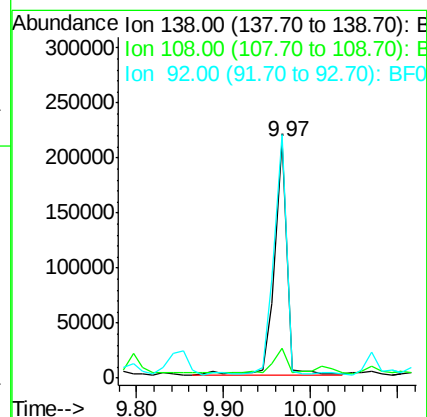
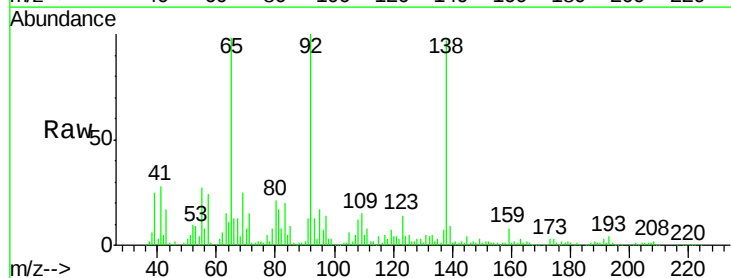
Instrument :
BNA_F
ClientSampleId :

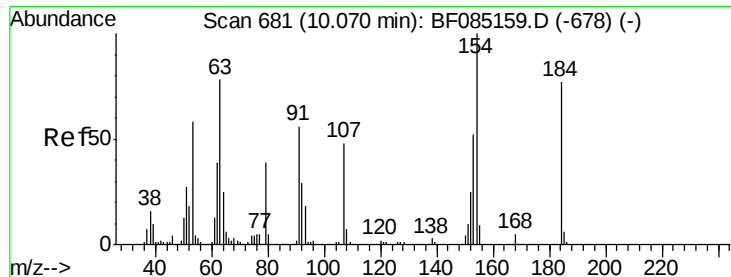
Tgt Ion:154 Resp: 838550
Ion Ratio Lower Upper
154 100
153 114.1 89.8 134.8
152 56.5 44.6 66.8



#52
3-Nitroaniline
Concen: 40.63 ng
RT: 9.97 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Tgt Ion:138 Resp: 208584
Ion Ratio Lower Upper
138 100
108 12.5 7.8 11.6#
92 102.7 81.3 121.9

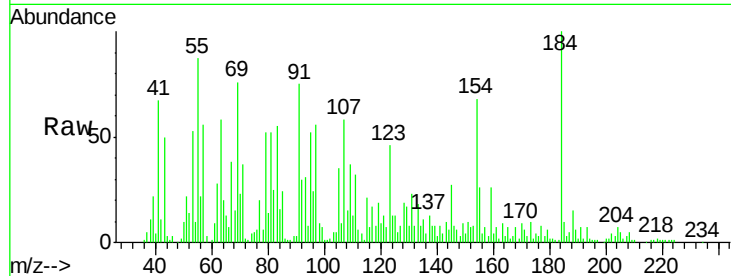




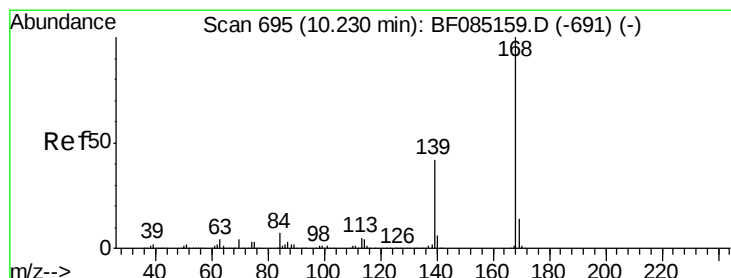
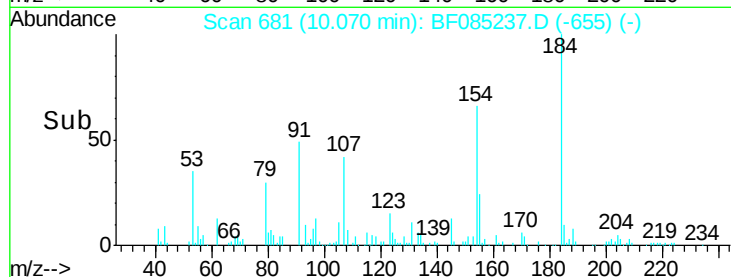
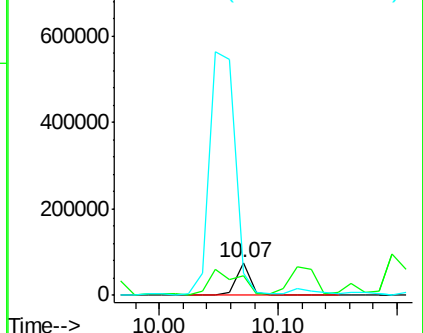
#53
2,4-Dinitrophenol
Concen: 34.00 ng
RT: 10.07 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:184 Resp: 62867
Ion Ratio Lower Upper
184 100
63 57.9 82.2 123.4#
154 67.8 108.9 163.3#

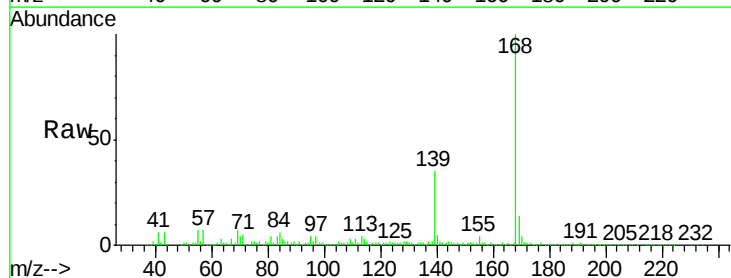


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

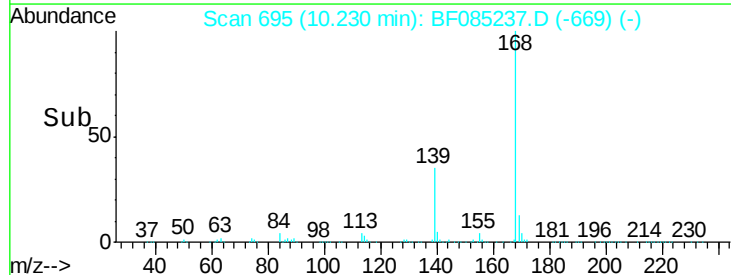
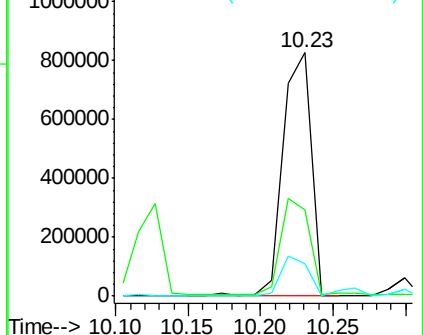


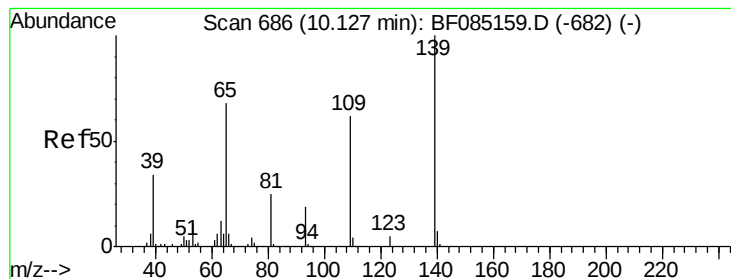
#54
Dibenzofuran
Concen: 52.70 ng
RT: 10.23 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Tgt Ion:168 Resp: 1110426
Ion Ratio Lower Upper
168 100
139 35.3 33.6 50.4
169 13.5 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 98.47 ng

RT: 10.13 min Scan# 686

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

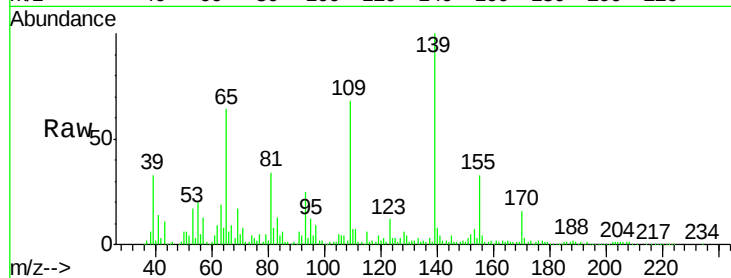
Tgt Ion:139 Resp: 397262

Ion Ratio Lower Upper

139 100

109 68.1 41.9 81.9

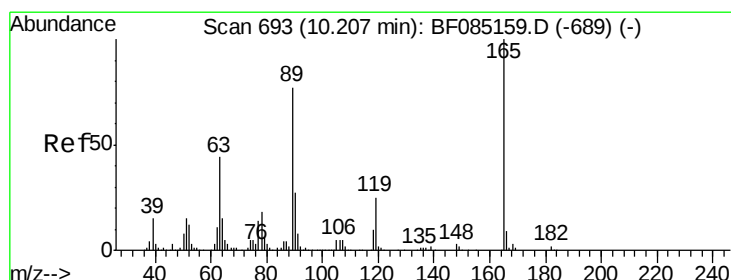
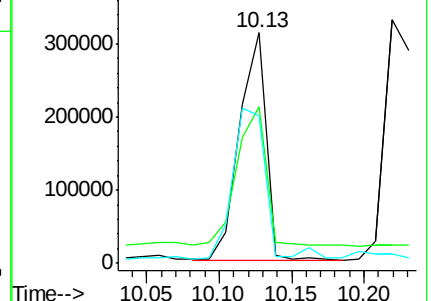
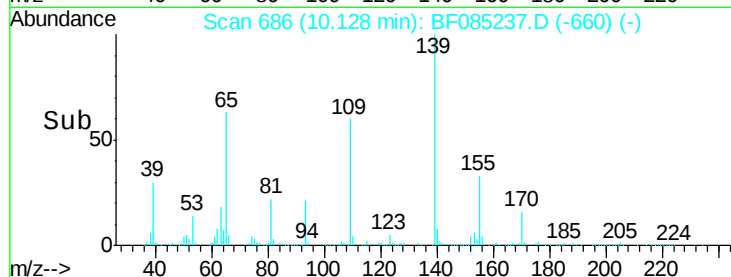
65 64.2 48.3 88.3



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 55.30 ng

RT: 10.21 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Tgt Ion:165 Resp: 303679

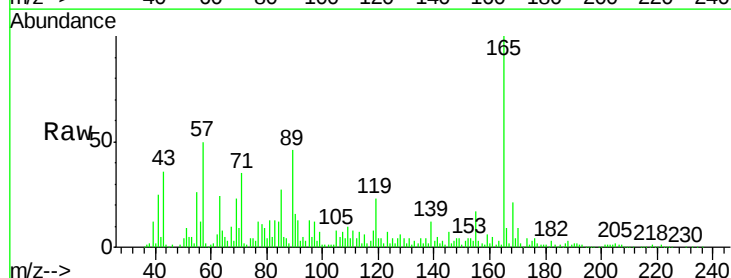
Ion Ratio Lower Upper

165 100

63 23.9 35.4 53.0#

89 46.1 61.9 92.9#

182 3.1 1.9 2.9#

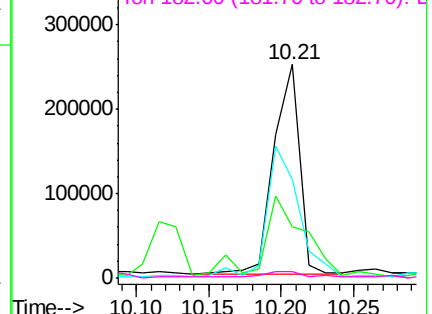
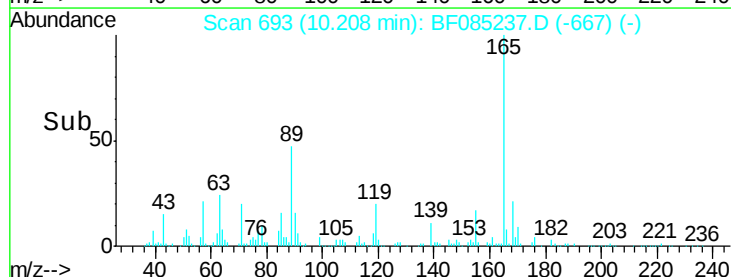


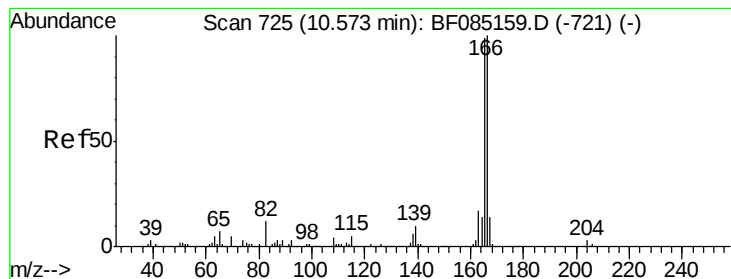
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 51.71 ng

RT: 10.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

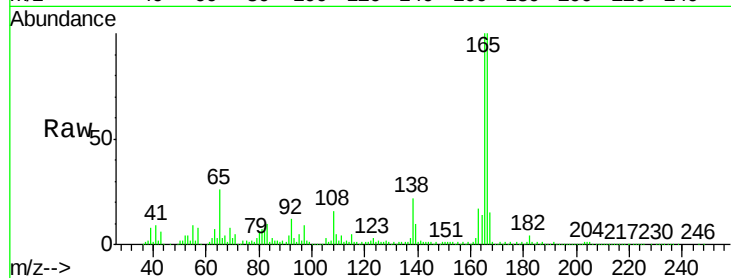
Tgt Ion:166 Resp: 855843

Ion Ratio Lower Upper

166 100

165 99.6 79.4 119.0

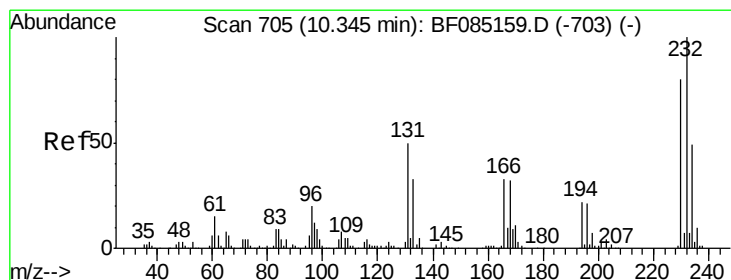
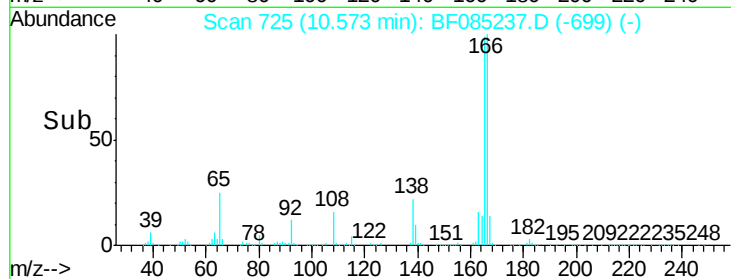
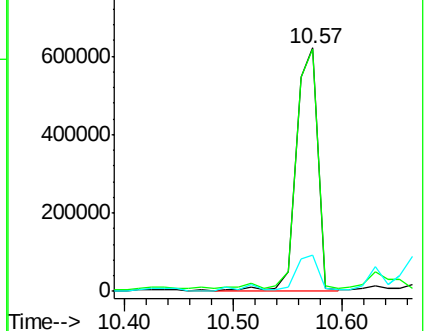
167 14.7 11.0 16.6



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: 55.60 ng

RT: 10.34 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Tgt Ion:232 Resp: 206026

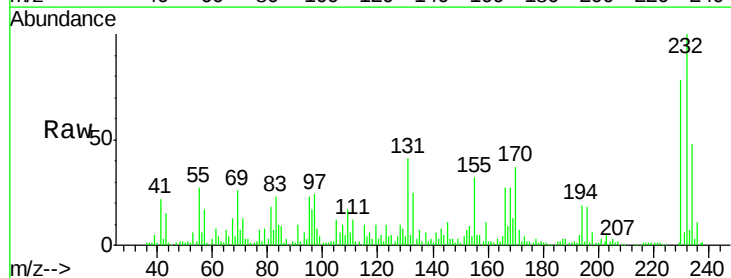
Ion Ratio Lower Upper

232 100

131 56.4 46.0 69.0

130 7.6 2.2 3.4#

166 33.5 28.8 43.2

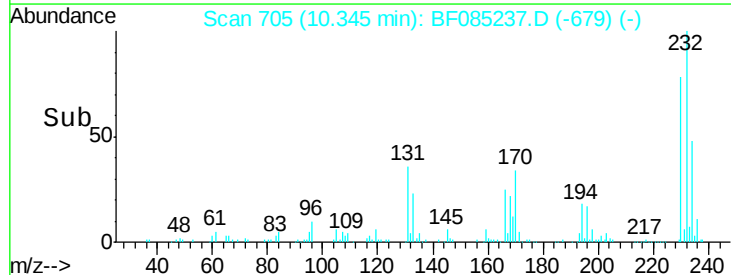
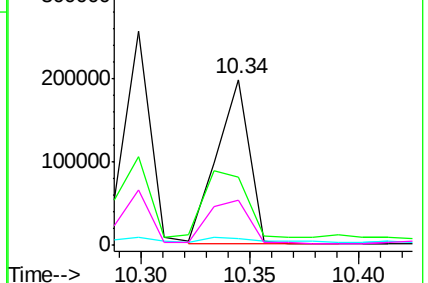


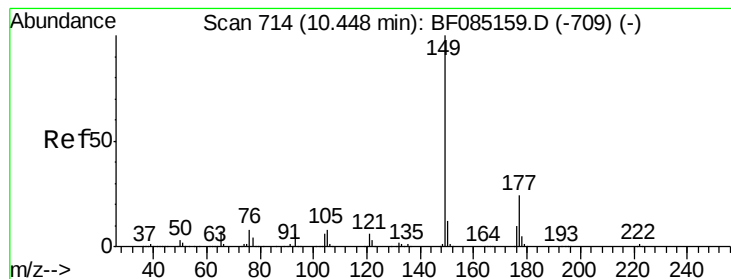
Abundance Ion 232.00 (231.70 to 232.70): E

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: 46.11 ng

RT: 10.44 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

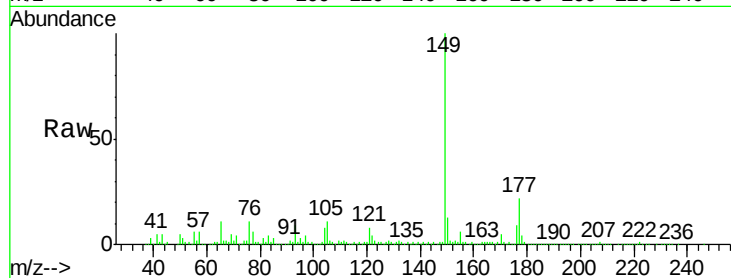
Tgt Ion:149 Resp: 897509

Ion Ratio Lower Upper

149 100

177 21.8 19.2 28.8

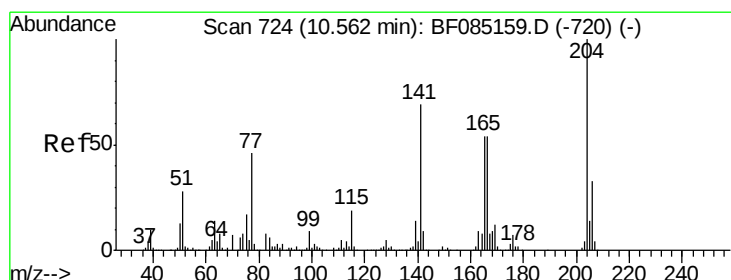
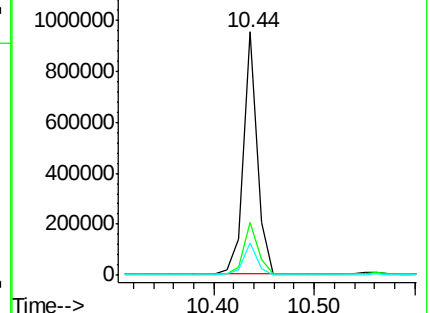
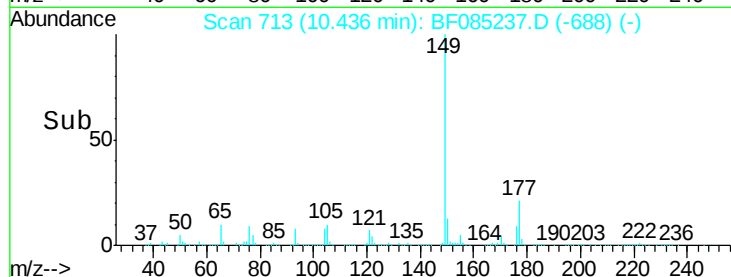
150 13.3 9.9 14.9



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: 50.78 ng

RT: 10.56 min Scan# 724

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

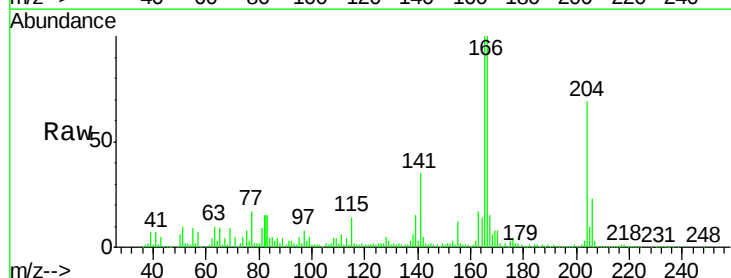
Tgt Ion:204 Resp: 408911

Ion Ratio Lower Upper

204 100

206 32.9 26.5 39.7

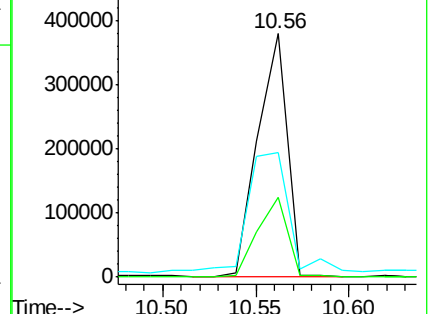
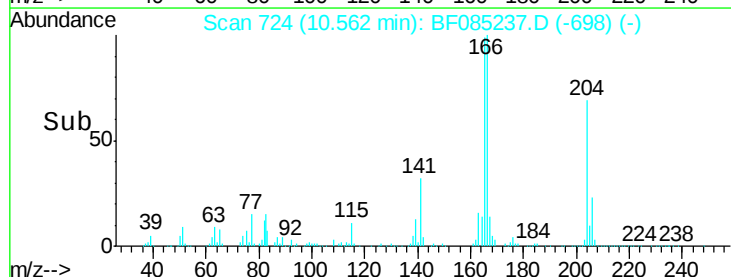
141 51.1 55.4 83.2#

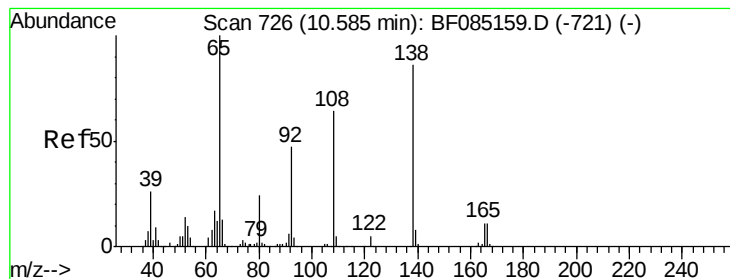


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 36.69 ng

RT: 10.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

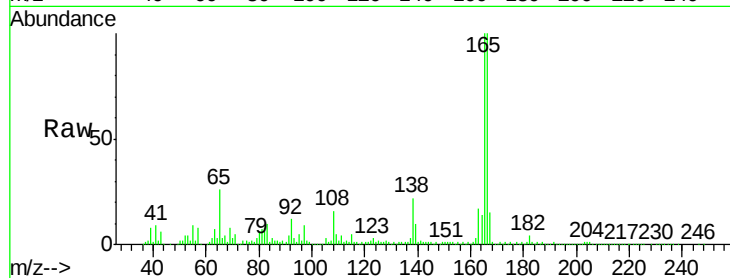
Tgt Ion:138 Resp: 176177

Ion Ratio Lower Upper

138 100

92 53.6 34.2 74.2

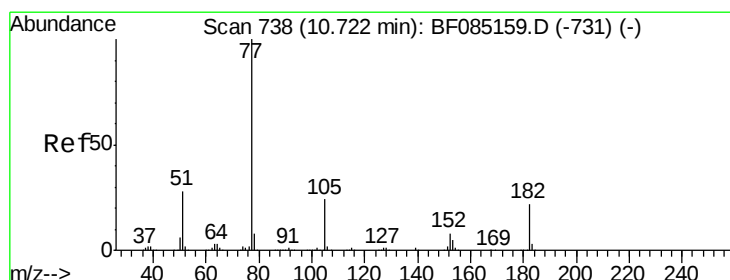
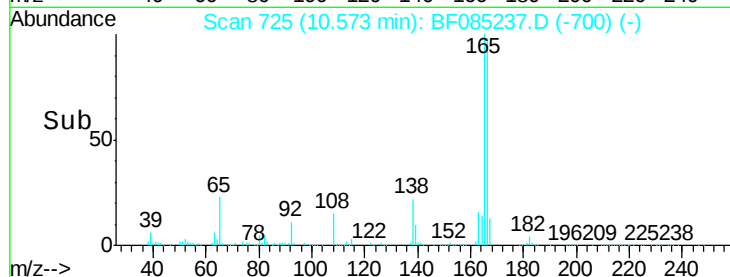
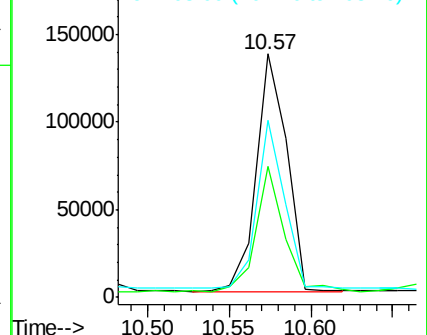
108 72.6 53.9 93.9



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: 46.43 ng

RT: 10.72 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Tgt Ion: 77 Resp: 890355

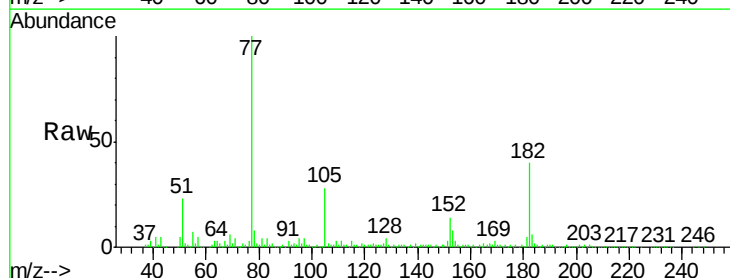
Ion Ratio Lower Upper

77 100

182 40.2 2.1 42.1

105 27.9 3.8 43.8

51 23.1 7.8 47.8

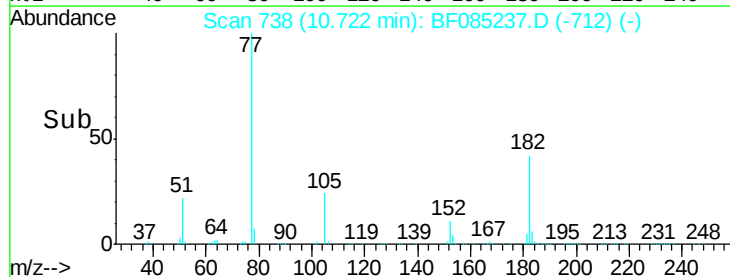
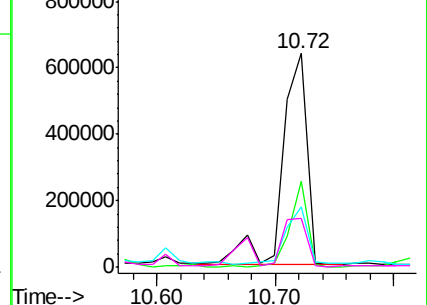


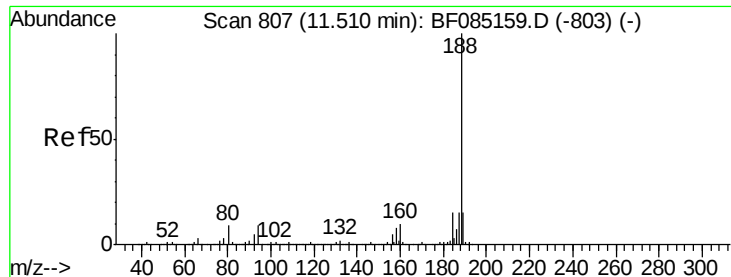
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

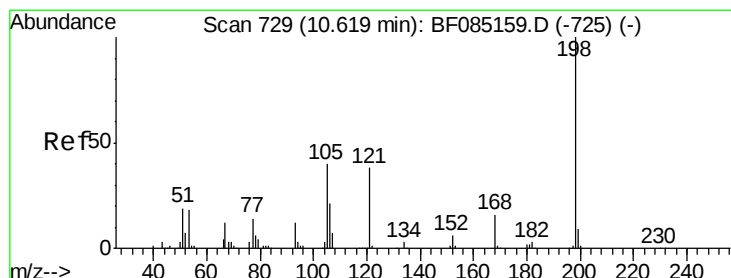
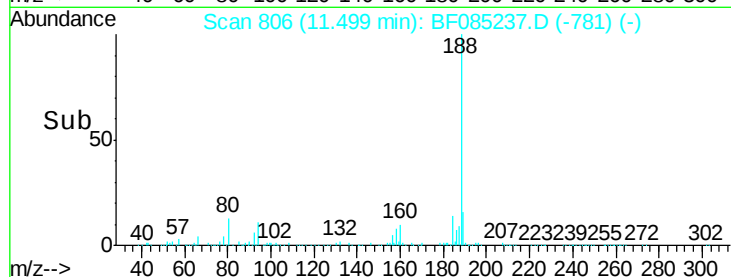
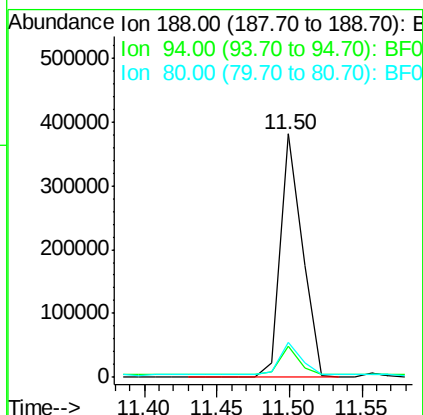
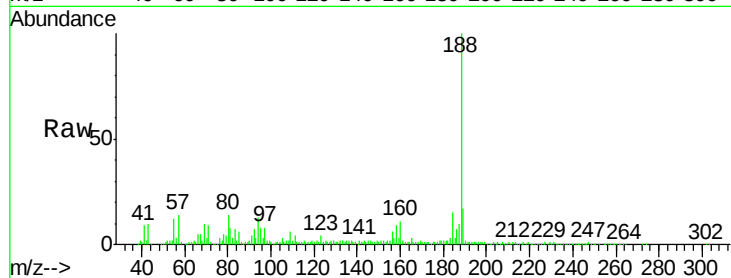




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

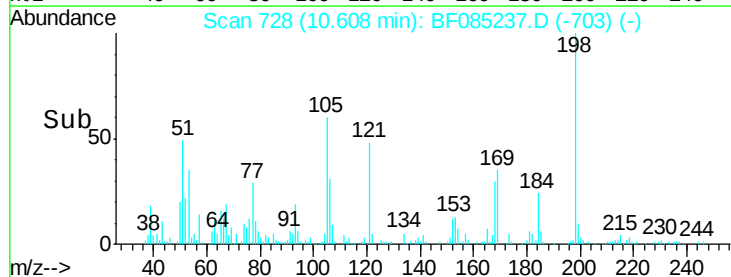
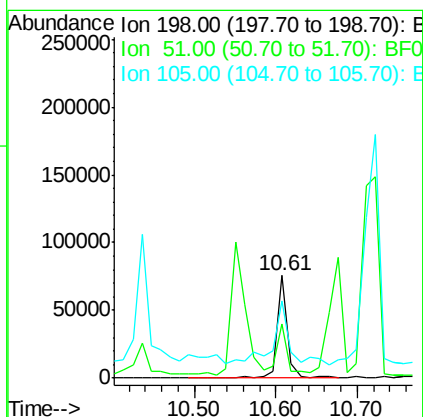
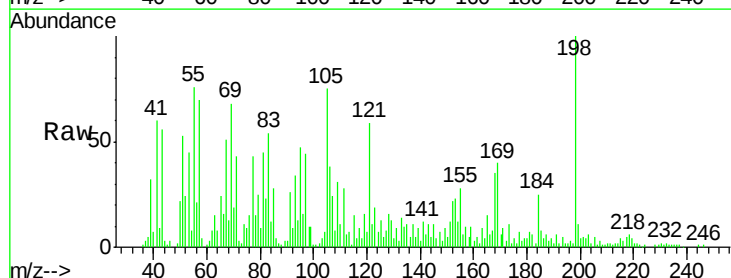
Instrument :
BNA_F
ClientSampleId :

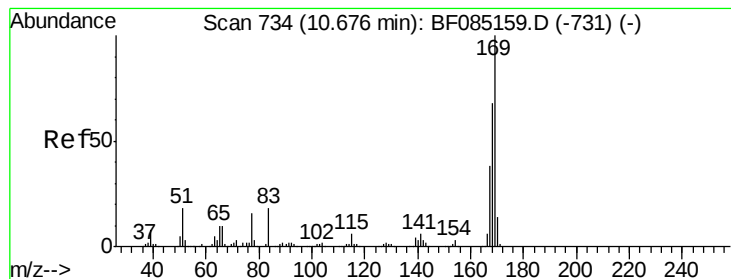
Tgt Ion:188 Resp: 397362
Ion Ratio Lower Upper
188 100
94 12.7 7.0 10.6#
80 14.3 7.4 11.0#



#64
4,6-Dinitro-2-methylphenol
Concen: 28.93 ng
RT: 10.61 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Tgt Ion:198 Resp: 68825
Ion Ratio Lower Upper
198 100
51 52.9 9.5 49.5#
105 75.1 20.5 60.5#





#65

n-Nitrosodiphenylamine

Concen: 64.91 ng

RT: 10.68 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

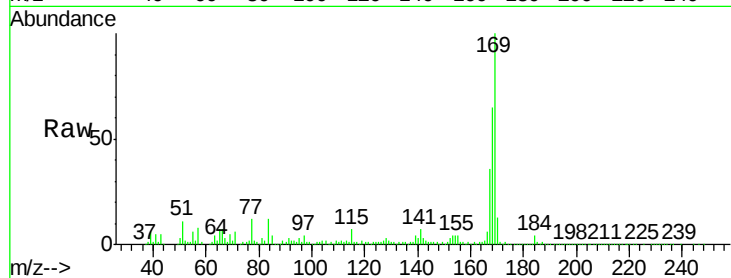
Tgt Ion:169 Resp: 802277

Ion Ratio Lower Upper

169 100

168 64.5 54.8 82.2

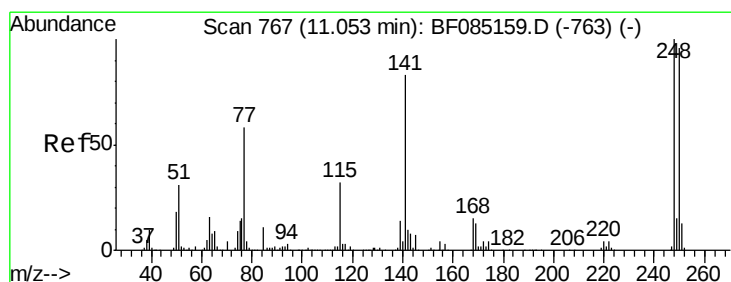
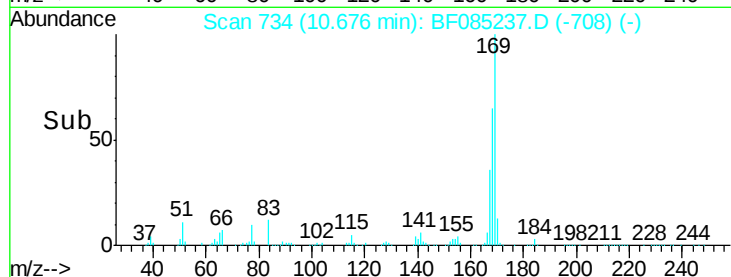
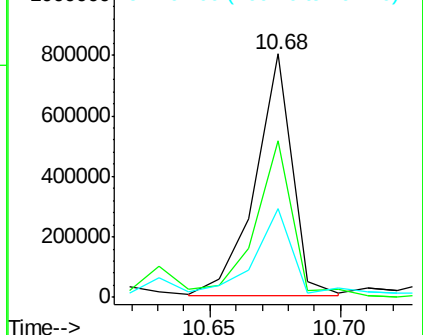
167 36.3 30.3 45.5



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: 55.31 ng

RT: 11.05 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

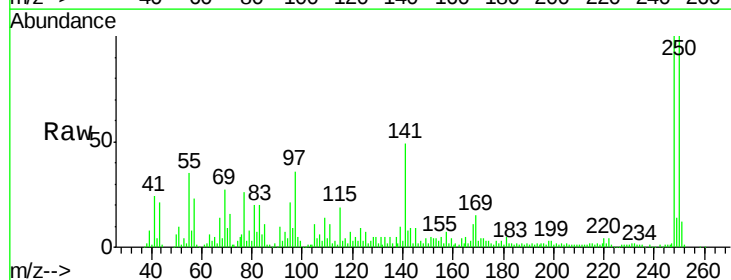
Tgt Ion:248 Resp: 213423

Ion Ratio Lower Upper

248 100

250 99.7 77.1 115.7

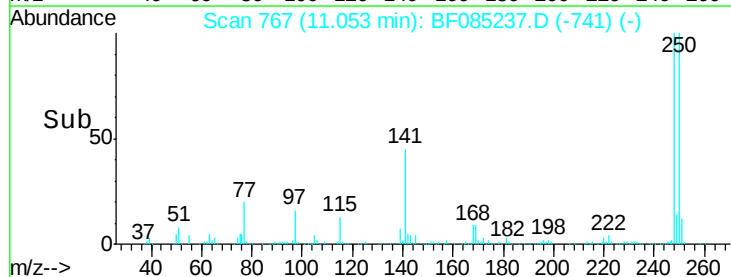
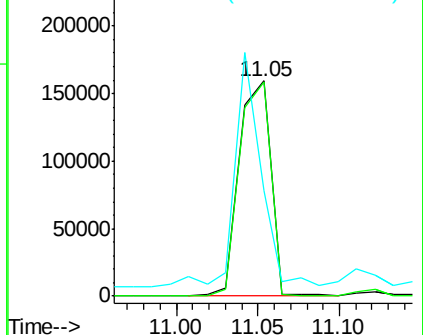
141 49.2 66.2 99.2#

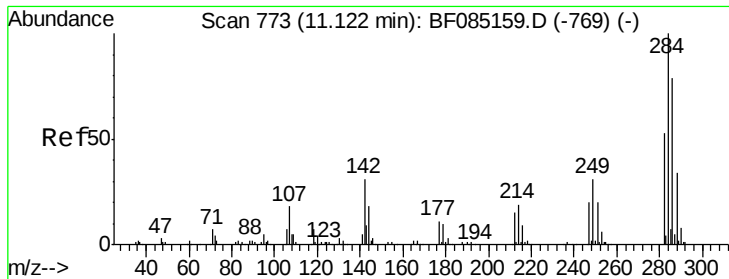


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

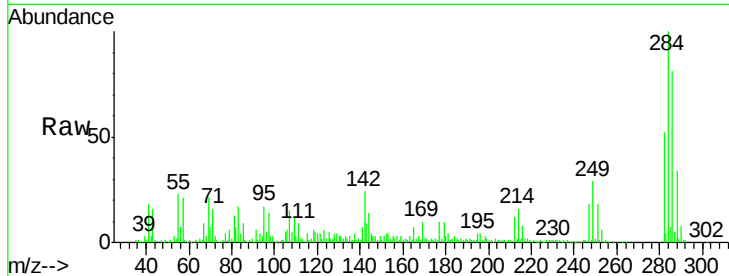




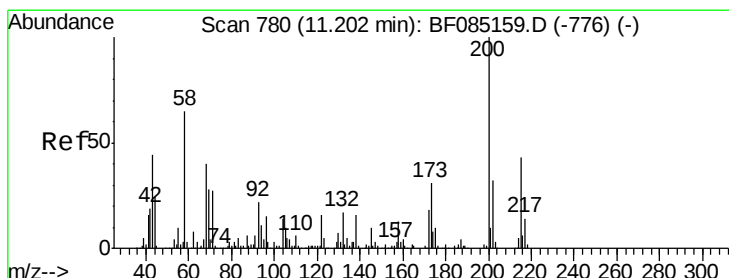
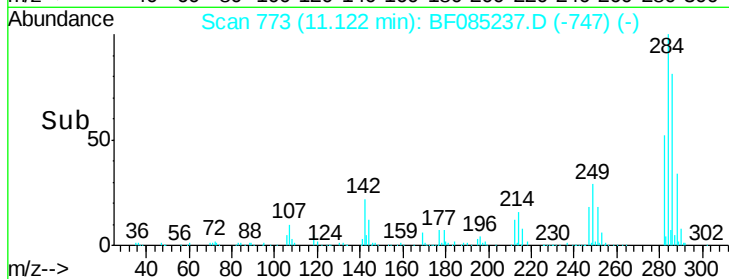
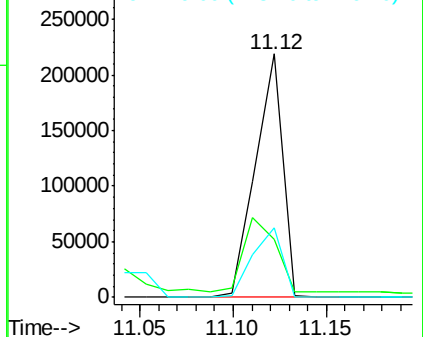
#67
Hexachlorobenzene
Concen: 54.76 ng
RT: 11.12 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:284 Resp: 225404
Ion Ratio Lower Upper
284 100
142 23.7 24.9 37.3#
249 28.6 25.0 37.4

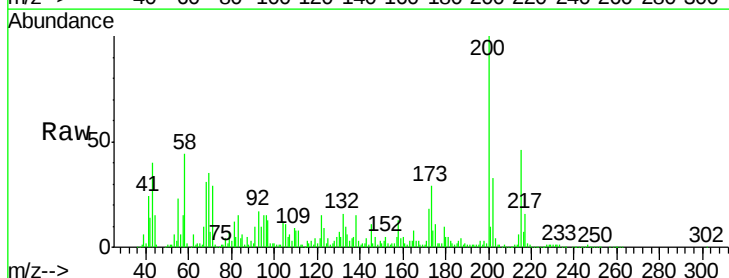


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

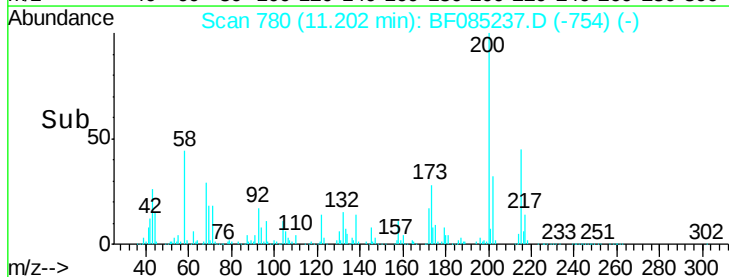
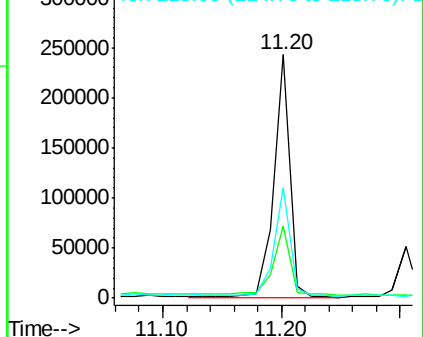


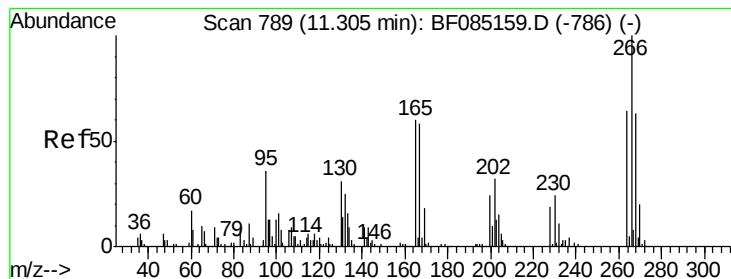
#68
Atrazine
Concen: 65.48 ng
RT: 11.20 min Scan# 780
Delta R.T. 0.00 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Tgt Ion:200 Resp: 225057
Ion Ratio Lower Upper
200 100
173 29.4 10.5 50.5
215 45.5 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: 94.67 ng

RT: 11.30 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

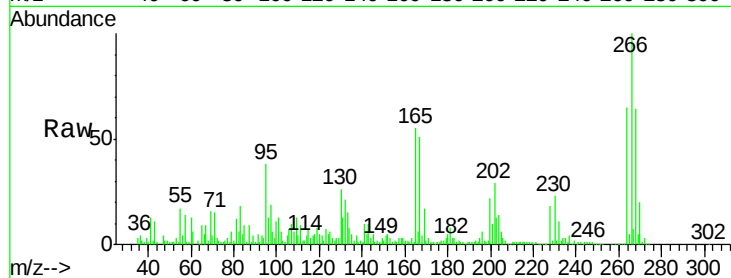
Tgt Ion:266 Resp: 216305

Ion Ratio Lower Upper

266 100

268 64.2 50.0 75.0

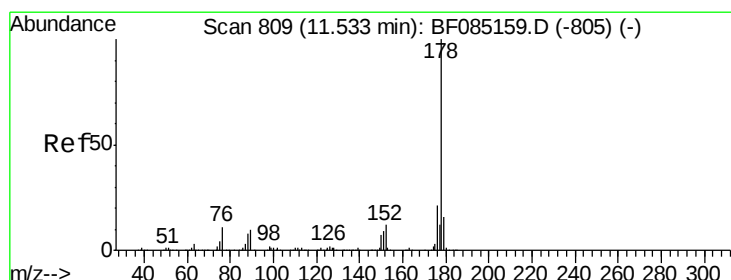
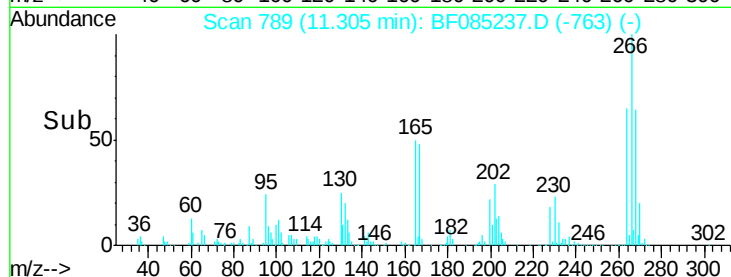
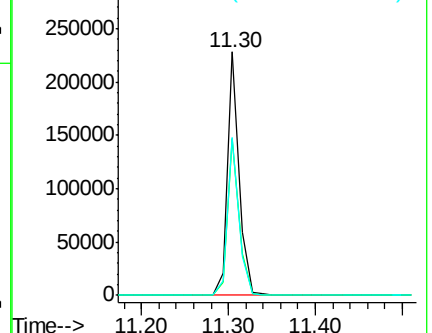
264 64.8 51.4 77.2



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: 70.95 ng

RT: 11.53 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

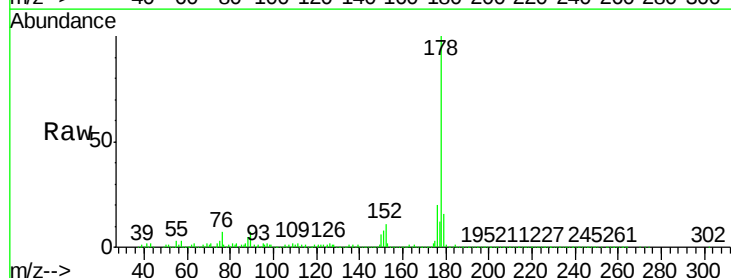
Tgt Ion:178 Resp: 1477465

Ion Ratio Lower Upper

178 100

176 20.2 16.8 25.2

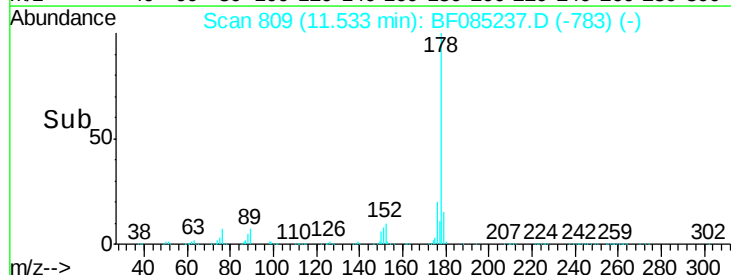
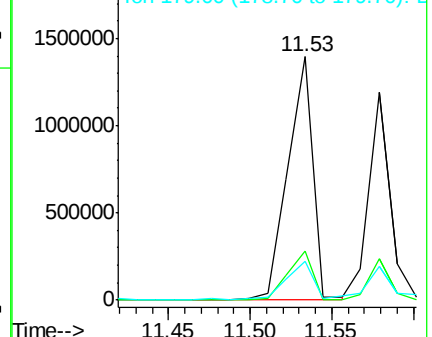
179 16.0 13.1 19.7

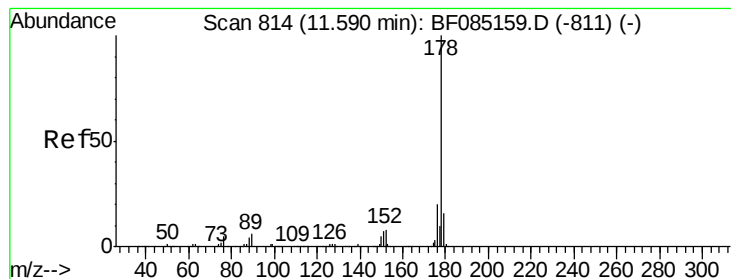


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 51.37 ng

RT: 11.58 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

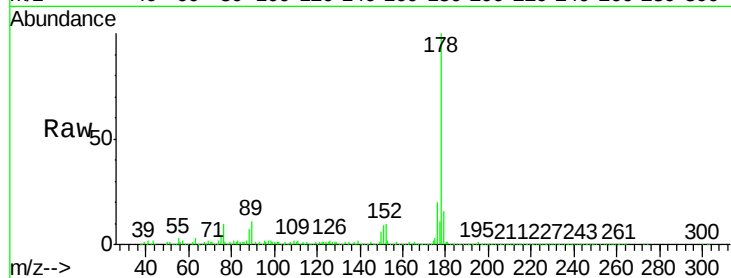
Tgt Ion:178 Resp: 1135740

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

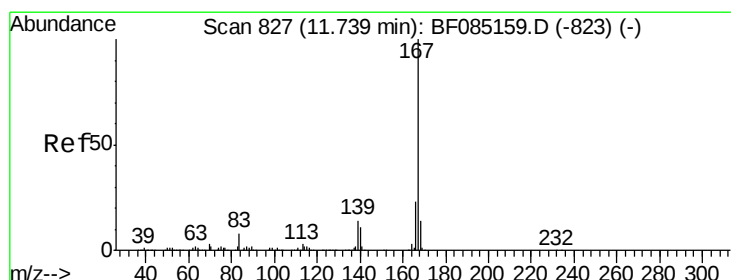
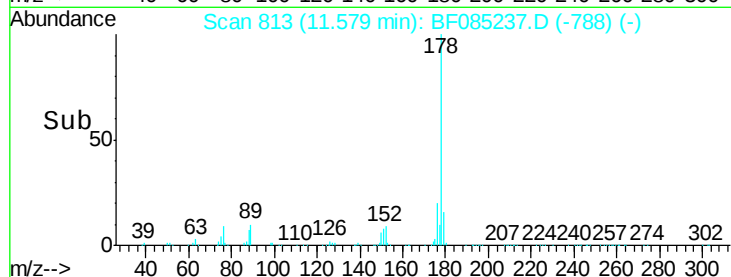
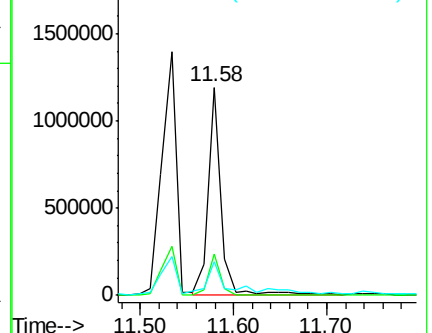
179 16.3 12.5 18.7



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: 43.89 ng

RT: 11.73 min Scan# 826

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

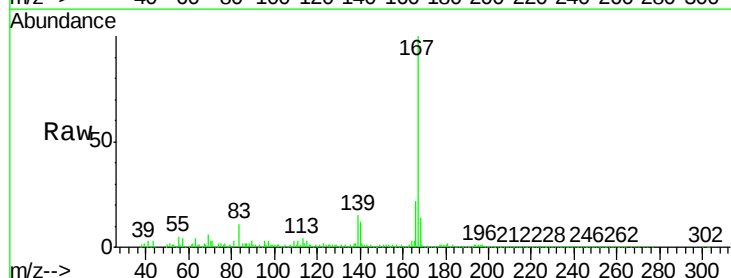
Tgt Ion:167 Resp: 850812

Ion Ratio Lower Upper

167 100

166 22.1 18.2 27.2

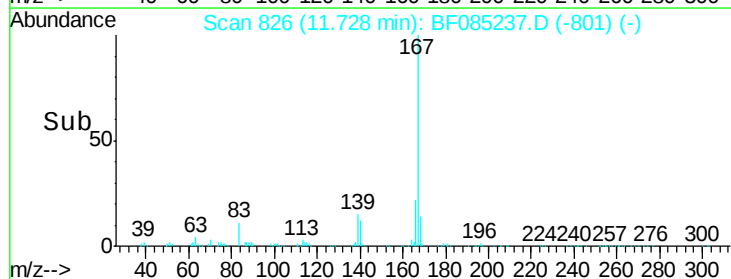
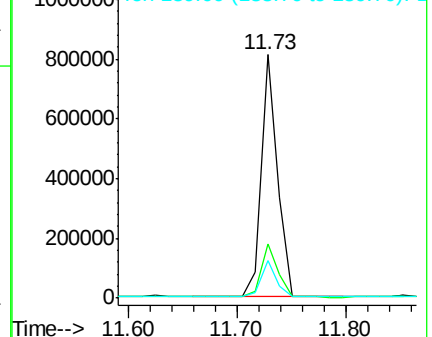
139 15.3 11.4 17.0

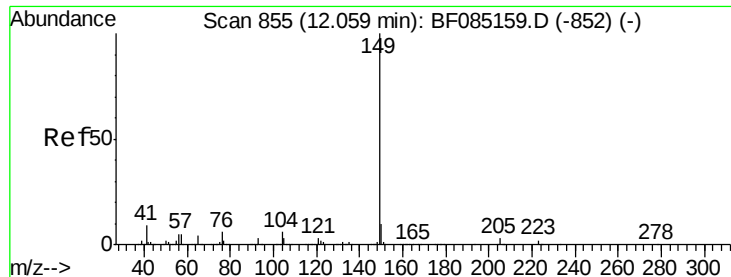


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

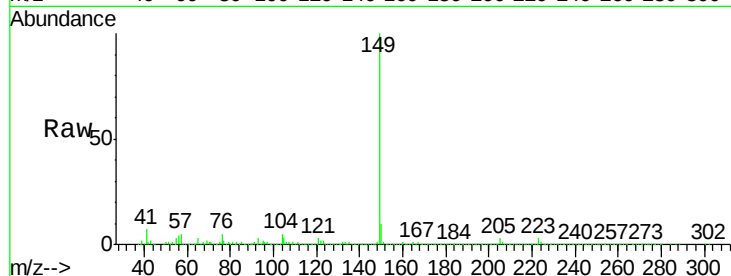




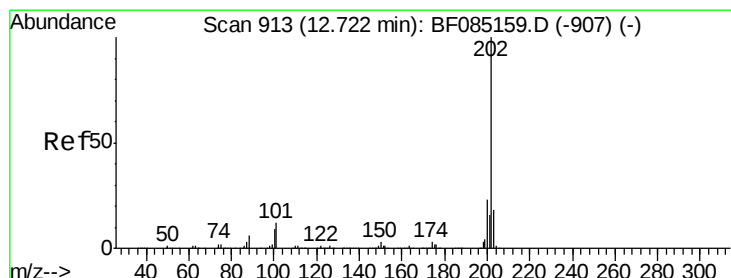
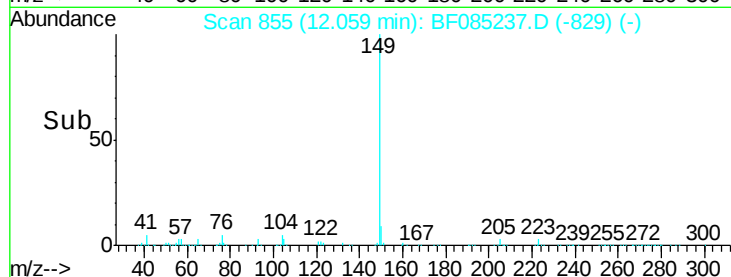
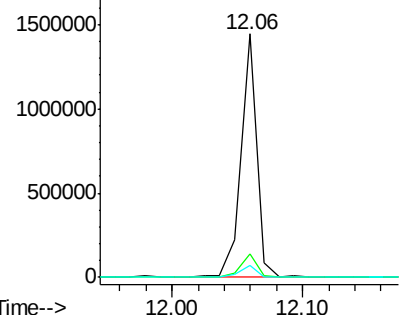
#73
Di-n-butylphthalate
Concen: 48.88 ng
RT: 12.06 min Scan# 855
Delta R.T. 0.00 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:149 Resp: 1197722
Ion Ratio Lower Upper
149 100
150 9.6 7.8 11.6
104 5.1 4.7 7.1

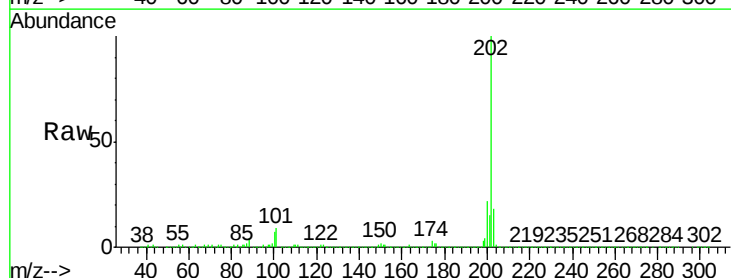


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

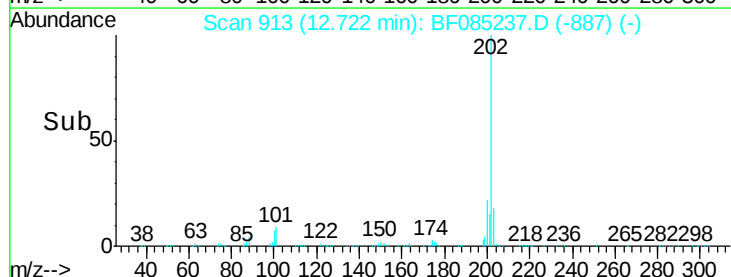
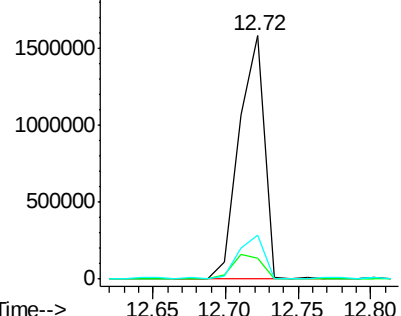


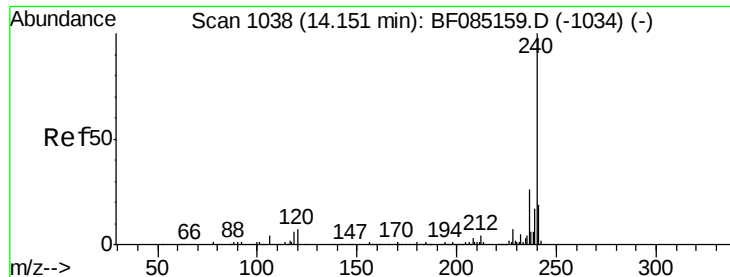
#74
Fluoranthene
Concen: 91.22 ng
RT: 12.72 min Scan# 913
Delta R.T. 0.00 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Tgt Ion:202 Resp: 1906365
Ion Ratio Lower Upper
202 100
101 8.8 0.0 31.8
203 18.2 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: 14.14 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

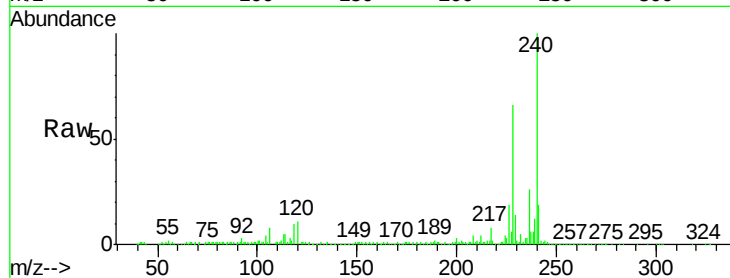
Tgt Ion:240 Resp: 271787

Ion Ratio Lower Upper

240 100

120 11.3 5.3 7.9#

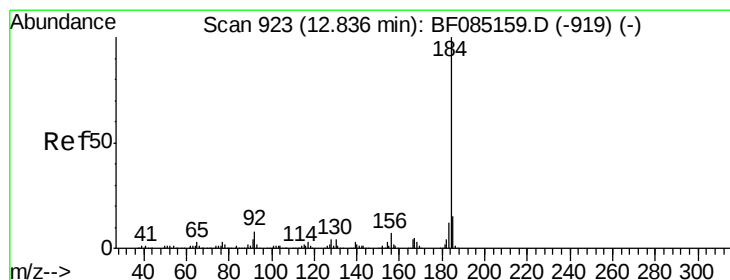
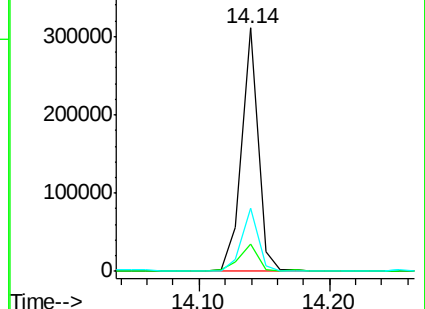
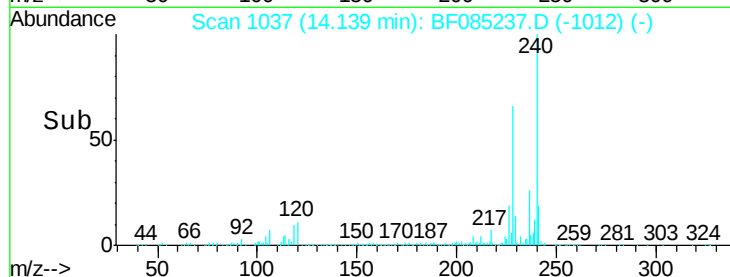
236 25.9 20.7 31.1



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: 42.70 ng

RT: 12.84 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

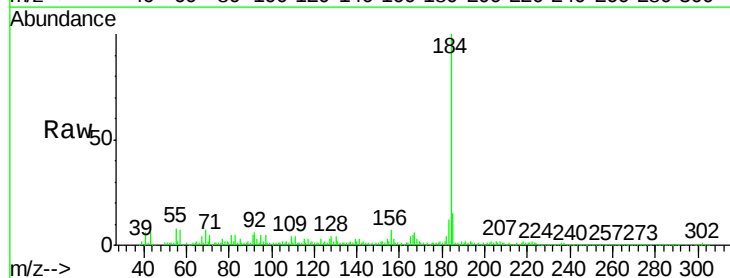
Tgt Ion:184 Resp: 345361

Ion Ratio Lower Upper

184 100

185 14.8 12.4 18.6

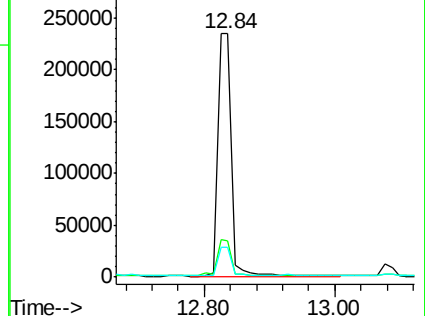
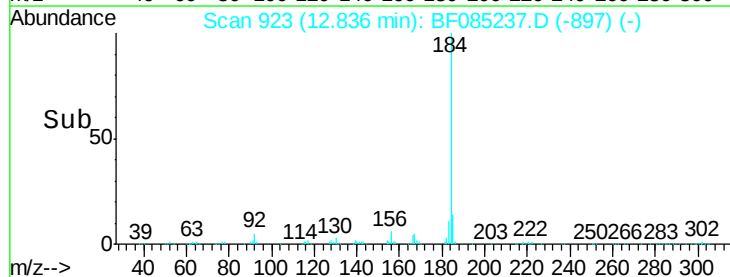
183 12.4 9.4 14.2

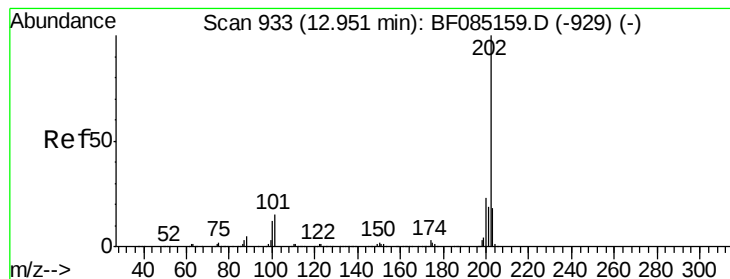


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 86.16 ng

RT: 12.95 min Scan# 933

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

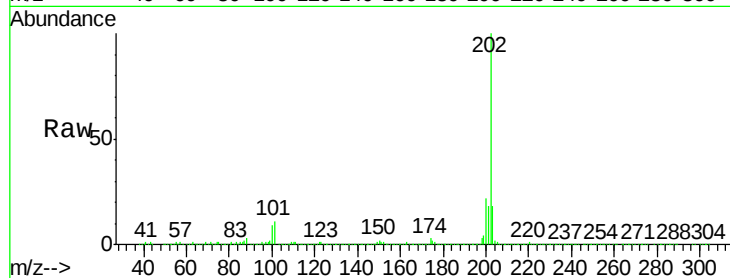
Tgt Ion:202 Resp: 1762551

Ion Ratio Lower Upper

202 100

200 22.1 18.2 27.4

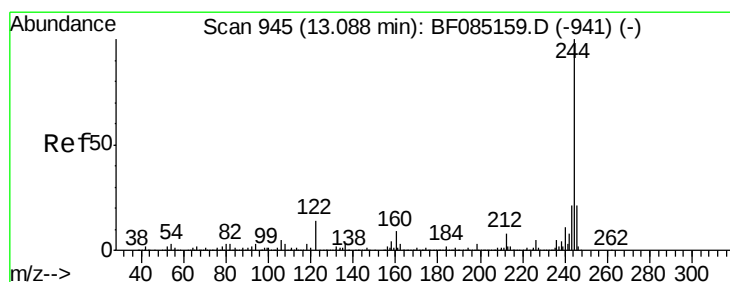
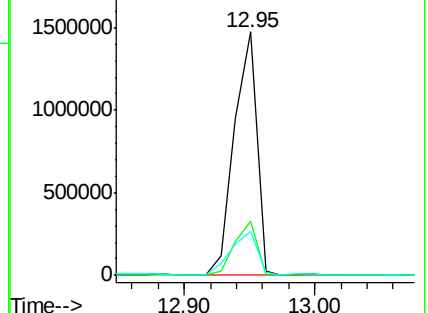
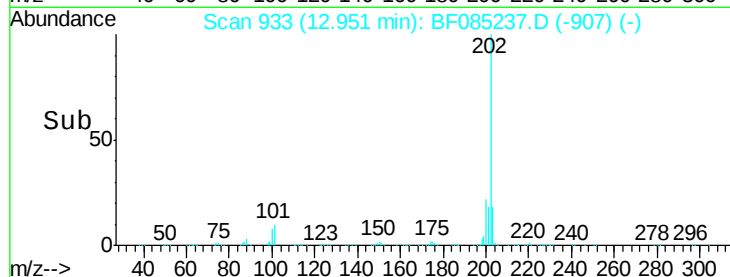
203 18.3 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 88.35 ng

RT: 13.09 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

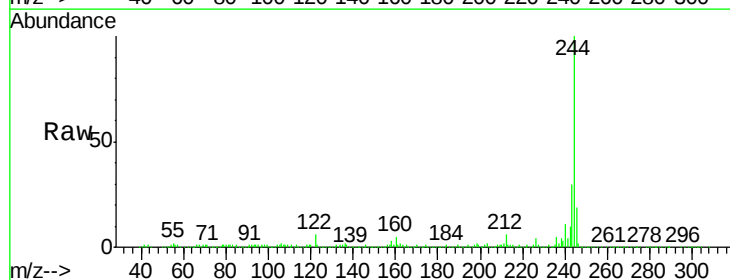
Tgt Ion:244 Resp: 1034437

Ion Ratio Lower Upper

244 100

212 6.4 6.4 9.6#

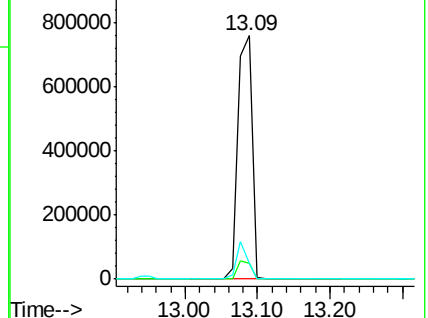
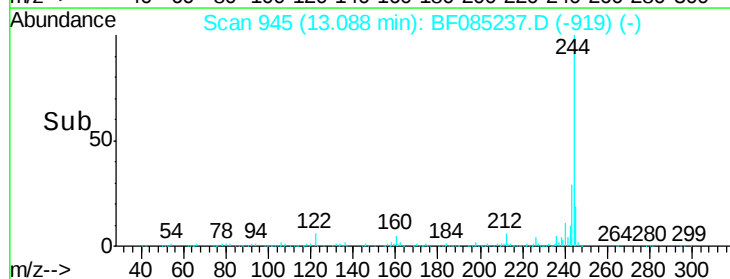
122 6.4 11.4 17.2#

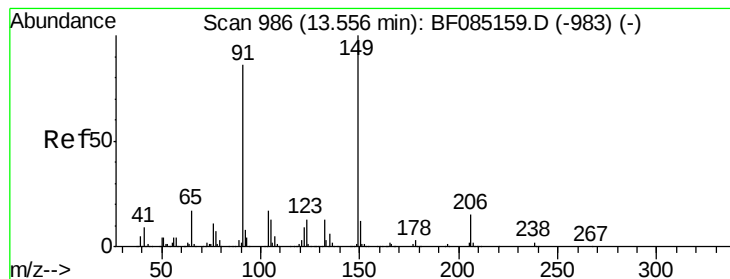


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 49.46 ng

RT: 13.56 min Scan# 986

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

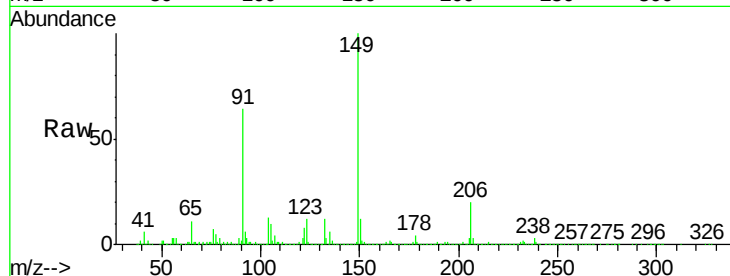
Tgt Ion:149 Resp: 459099

Ion Ratio Lower Upper

149 100

91 64.2 69.0 103.4#

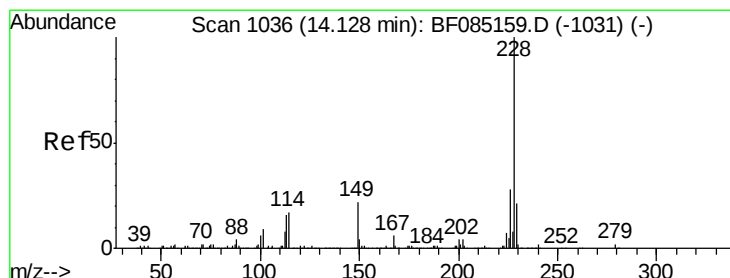
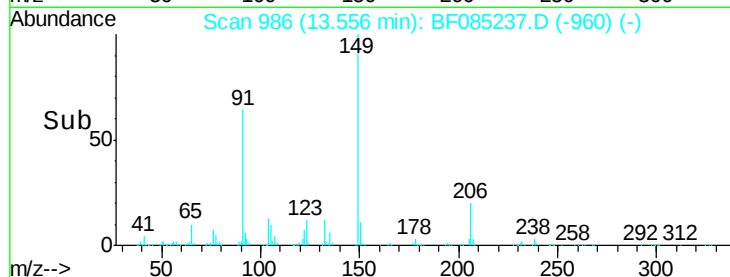
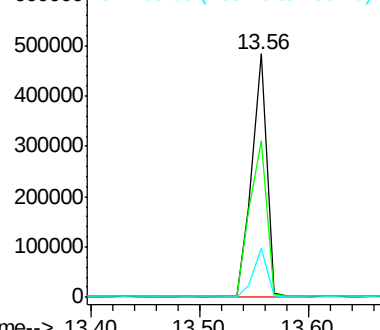
206 20.3 12.3 18.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 73.95 ng

RT: 14.13 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

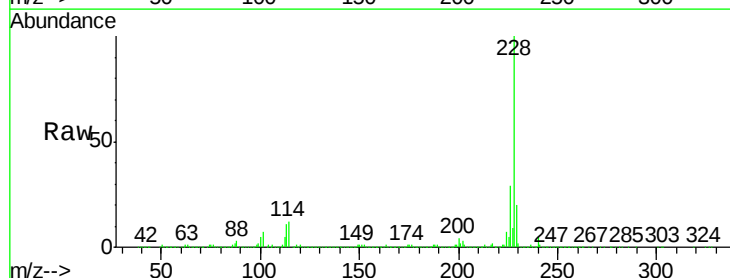
Tgt Ion:228 Resp: 1203217

Ion Ratio Lower Upper

228 100

226 28.7 22.8 34.2

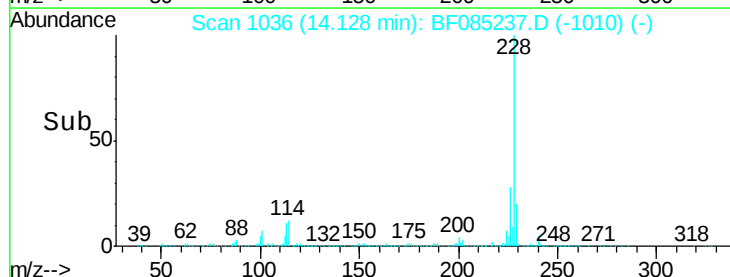
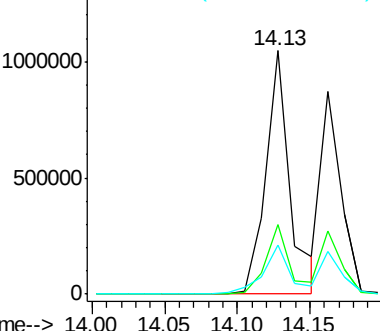
229 20.4 16.6 24.8

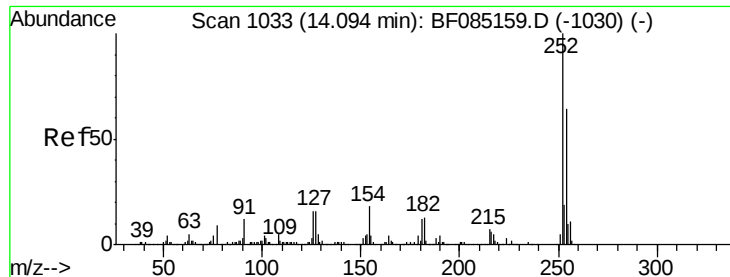


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

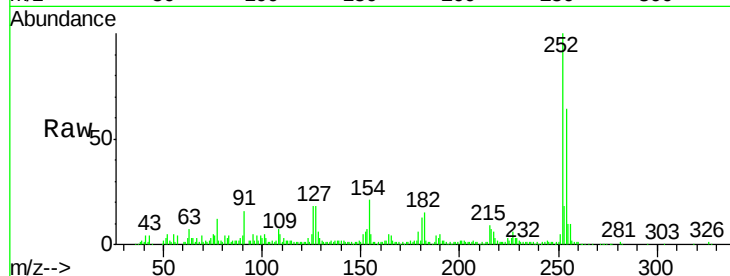




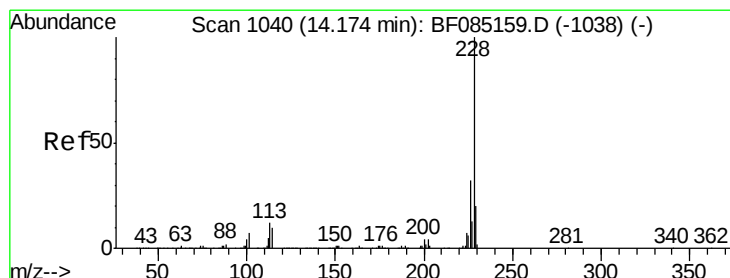
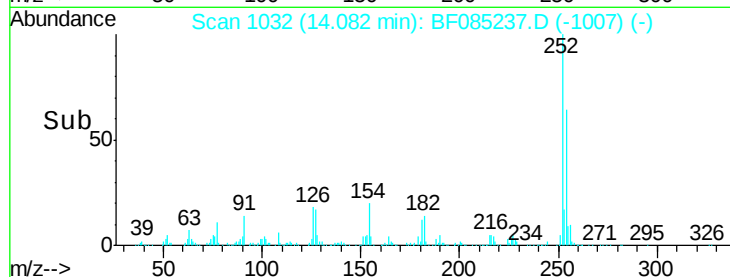
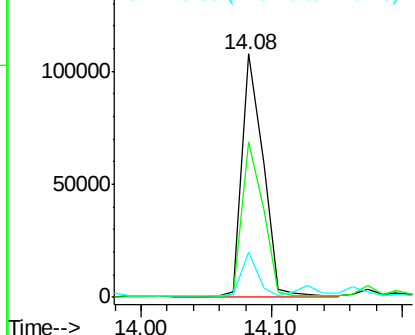
#81
 3,3'-Dichlorobenzidine
 Concen: 23.31 ng
 RT: 14.08 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.4	77.0
126	18.5	12.9	19.3

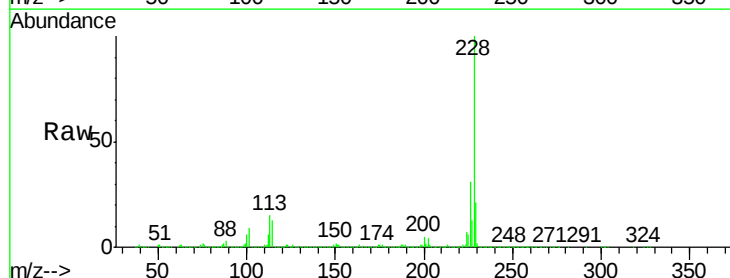


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

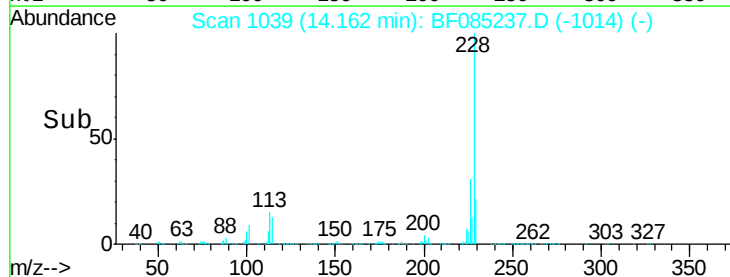
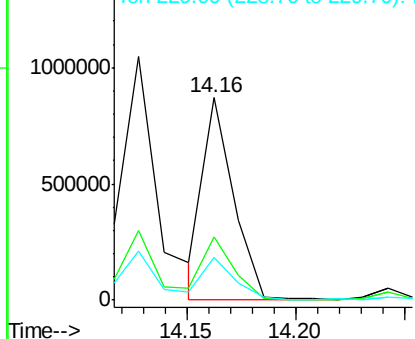


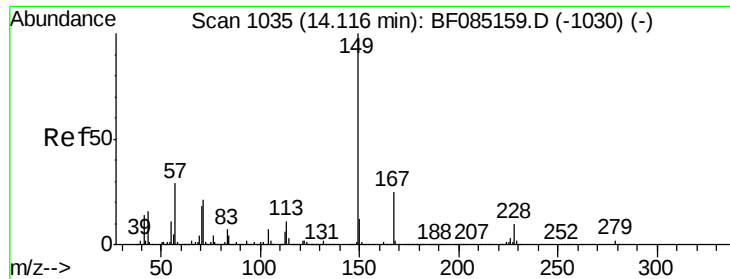
#82
 Chrysene
 Concen: 56.22 ng
 RT: 14.16 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.2	37.8
229	21.3	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

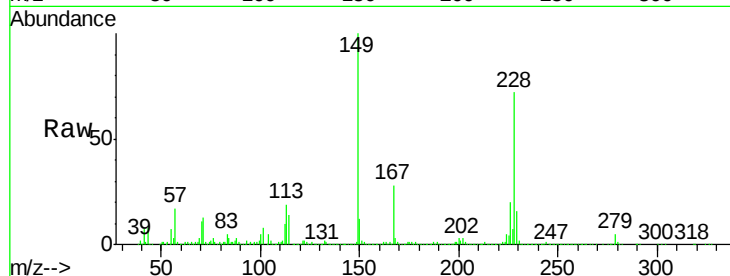




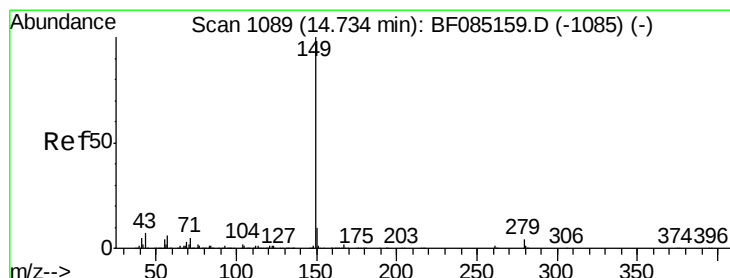
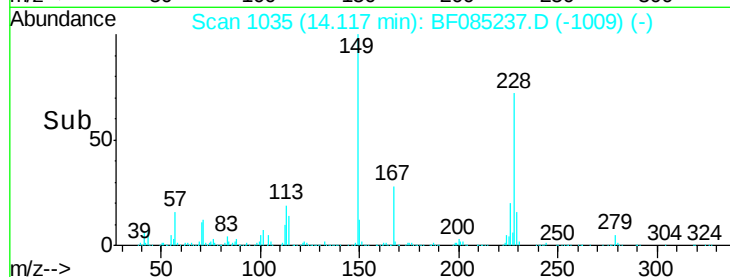
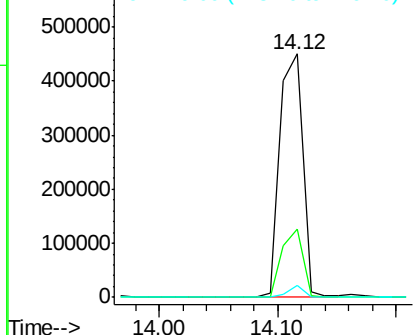
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.62 ng
 RT: 14.12 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	20.3	30.5
279	4.9	1.9	2.9#

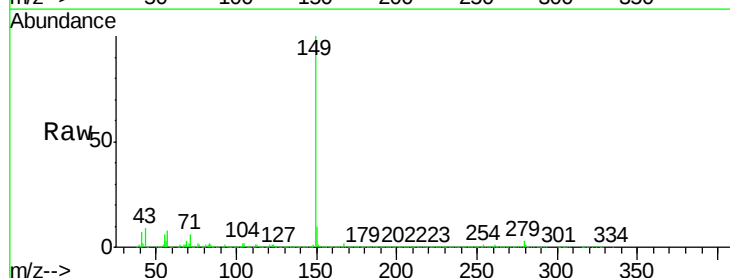


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

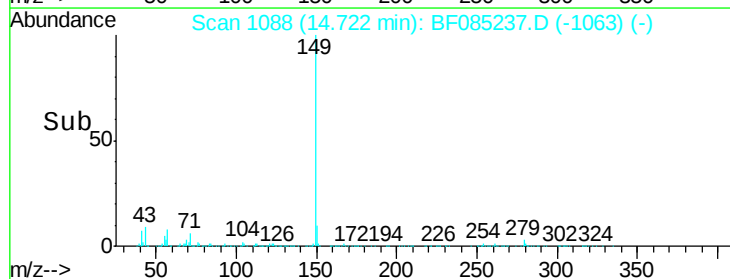
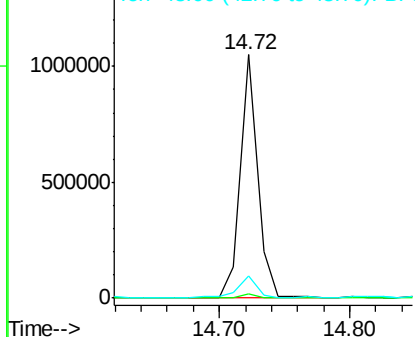


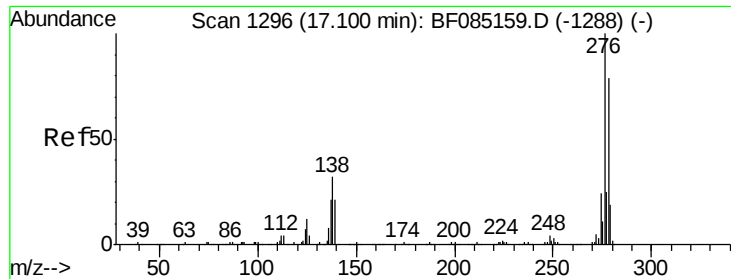
#84
 Di-n-octyl phthalate
 Concen: 51.04 ng
 RT: 14.72 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	8.9	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

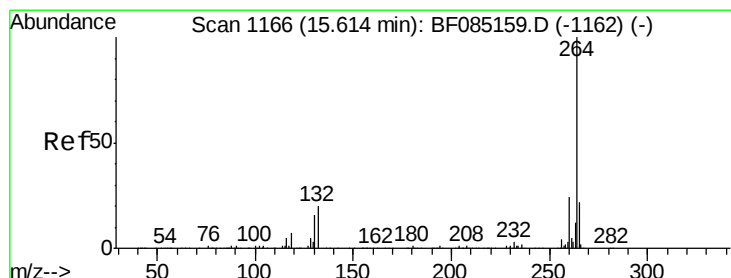
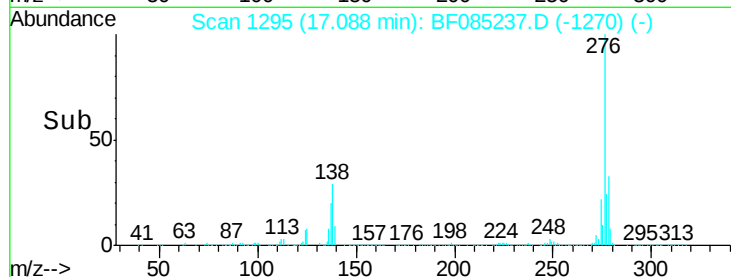
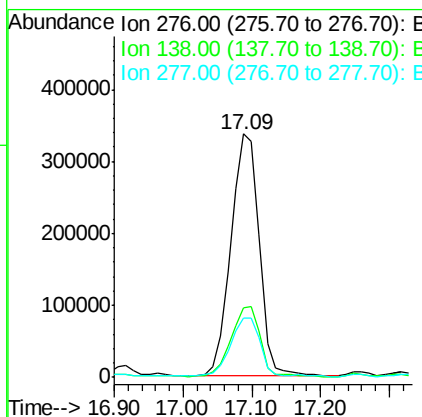
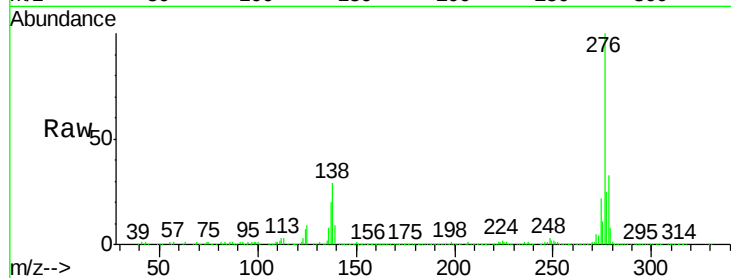




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 83.00 ng
 RT: 17.09 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

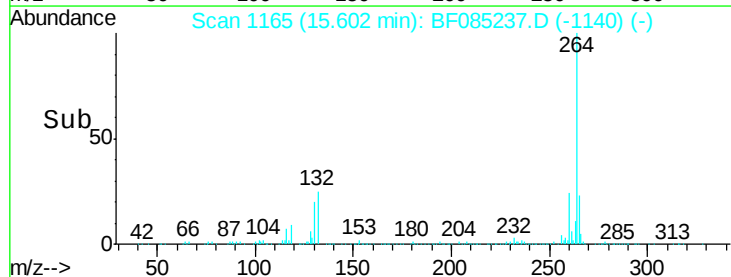
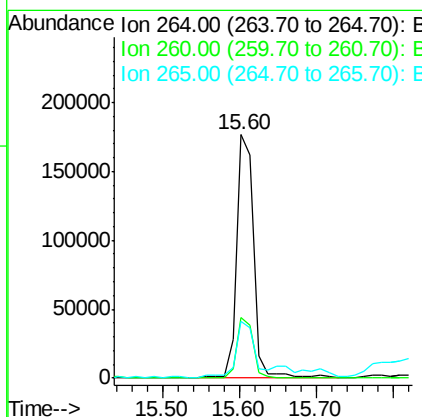
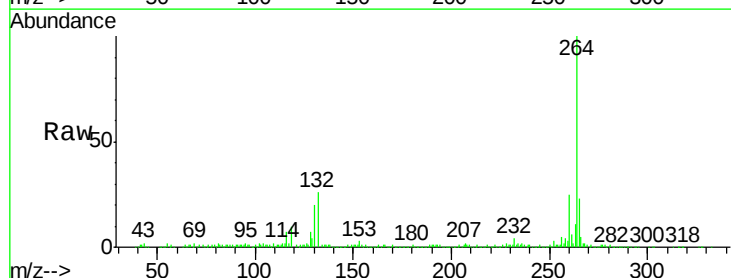
Instrument :
 BNA_F
 ClientSampled :

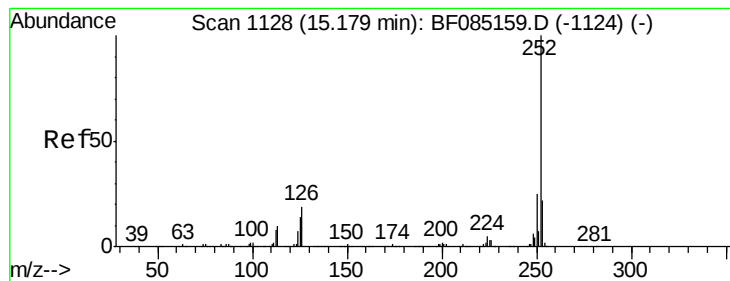
Tgt Ion:276 Resp: 973591
 Ion Ratio Lower Upper
 276 100
 138 29.7 26.4 39.6
 277 25.3 20.2 30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.60 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF085237.D
 Acq: 5 Mar 2016 7:16

Tgt Ion:264 Resp: 276594
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.2 28.8
 265 23.4 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 113.79 ng

RT: 15.21 min Scan# 1131

Delta R.T. 0.03 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :

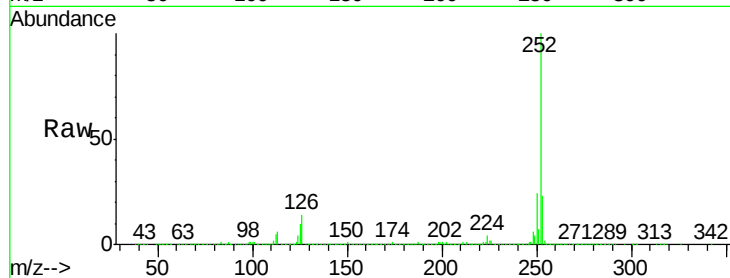
Tgt Ion:252 Resp: 2097800

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

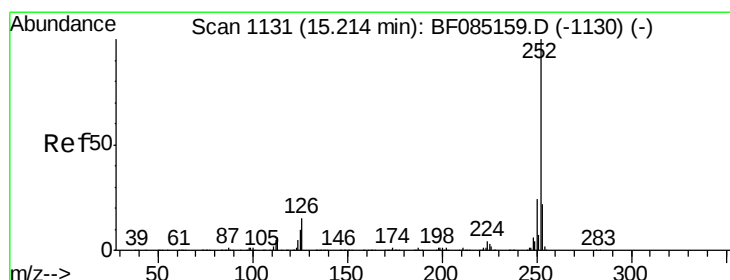
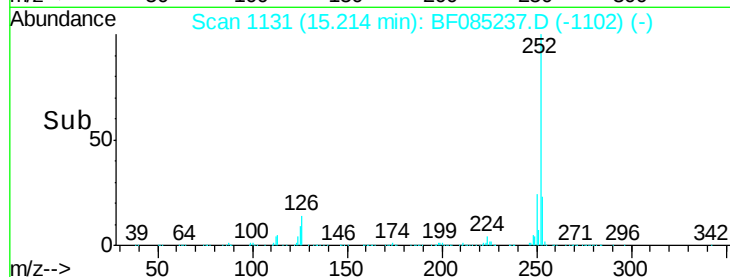
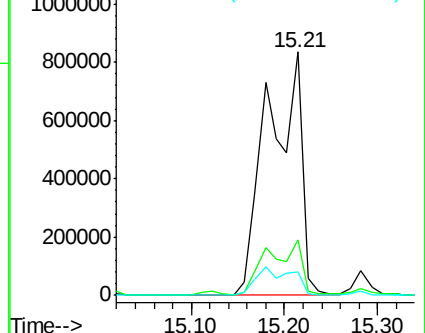
125 9.6 11.3 16.9#



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: 141.07 ng

RT: 15.21 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

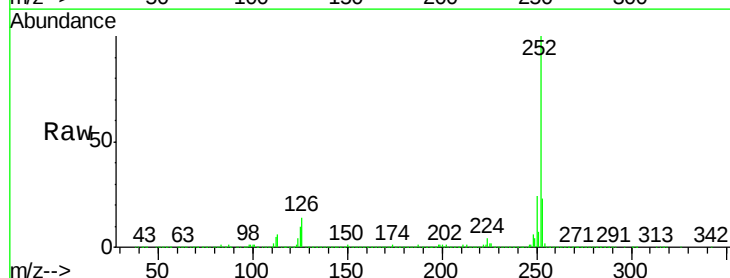
Tgt Ion:252 Resp: 2097800

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

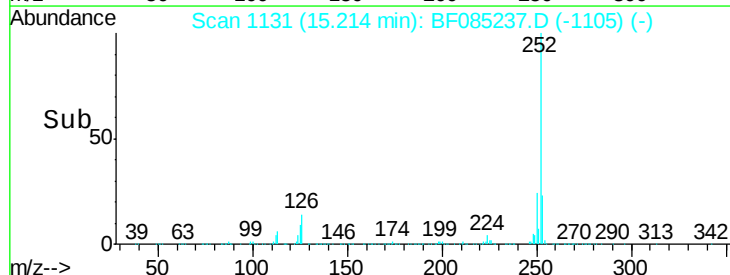
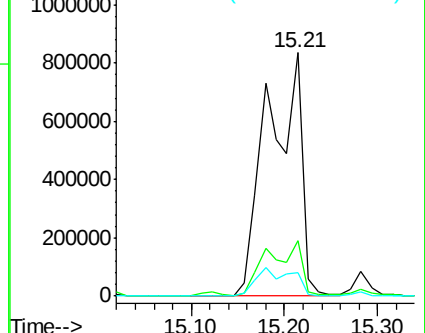
125 9.6 10.4 15.6#

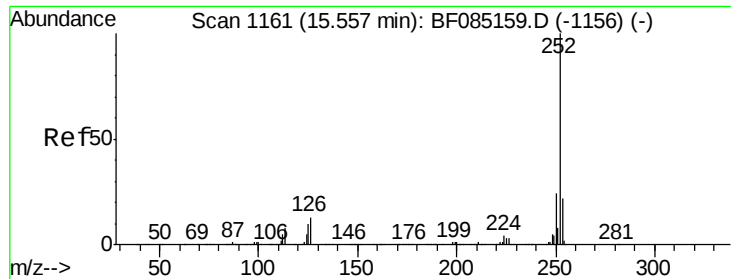


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

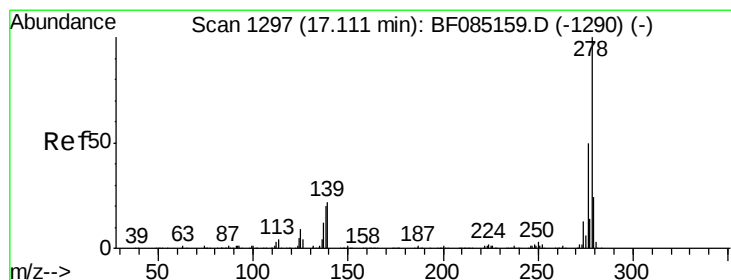
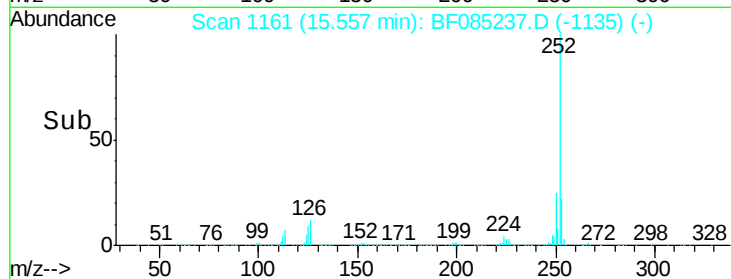
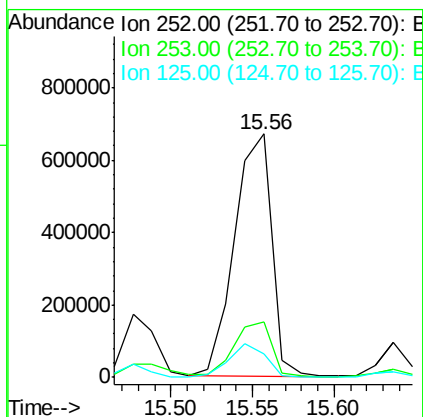
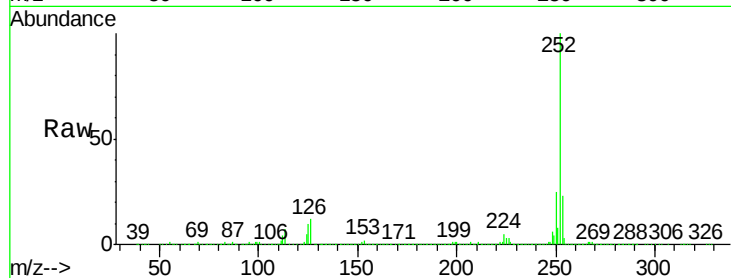




#89
Benzo(a)pyrene
Concen: 69.15 ng
RT: 15.56 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

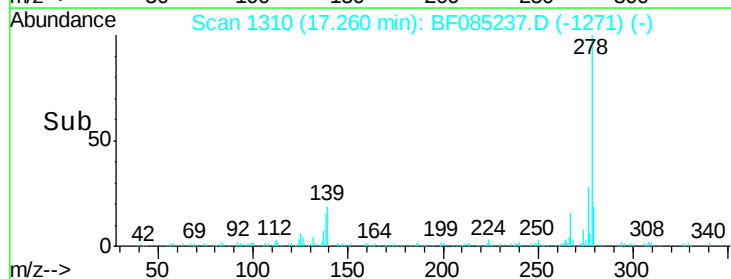
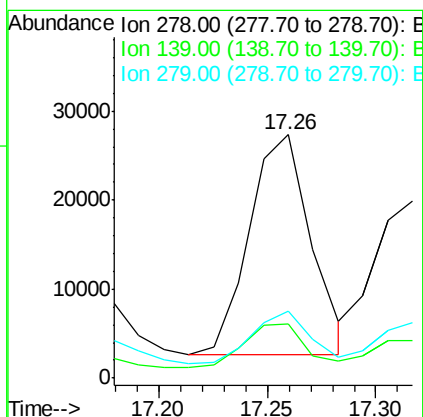
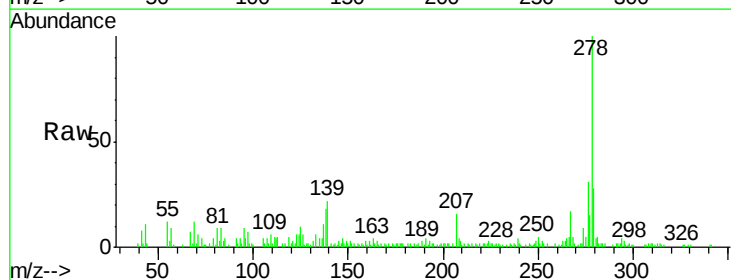
Instrument :
BNA_F
ClientSampleId :

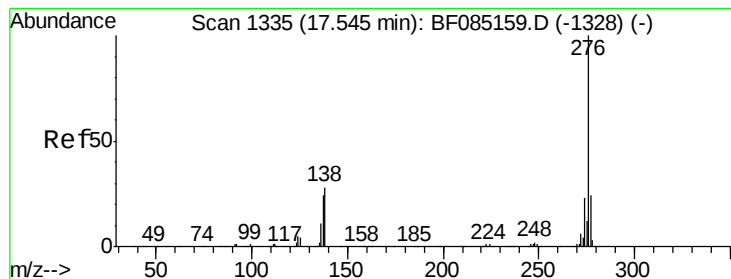
Tgt Ion:252 Resp: 1056417
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 9.6 8.2 12.4



#90
Dibenzo(a,h)anthracene
Concen: 3.72 ng
RT: 17.26 min Scan# 1310
Delta R.T. 0.15 min
Lab File: BF085237.D
Acq: 5 Mar 2016 7:16

Tgt Ion:278 Resp: 48523
Ion Ratio Lower Upper
278 100
139 22.3 17.3 25.9
279 27.6 19.2 28.8





#91

Benzo(g,h,i)perylene

Concen: 60.52 ng

RT: 17.55 min Scan# 1335

Delta R.T. 0.00 min

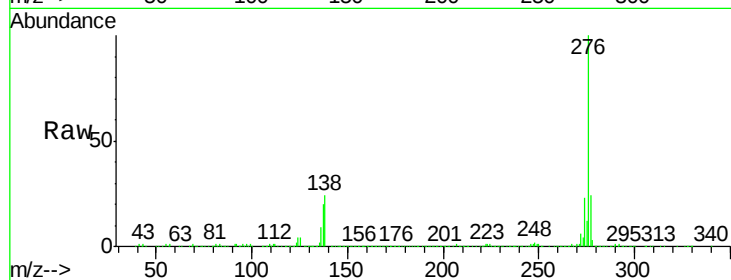
Lab File: BF085237.D

Acq: 5 Mar 2016 7:16

Instrument :

BNA_F

ClientSampleId :



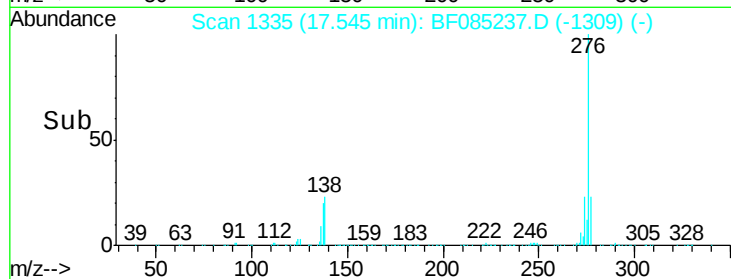
Tgt Ion: 276 Resp: 793623

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.4

138 24.2 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

