

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
 Data File : BF085244.D
 Acq On : 5 Mar 2016 10:29
 Operator : SJ/IZ
 Sample : H1686-03MSD
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

Quant Time: Mar 07 00:04:56 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	140837	20.00	ng	-0.01
21) Naphthalene-d8	8.26	136	498374	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	188935	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	286313	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	252674	20.00	ng	0.00
86) Perylene-d12	15.61	264	203843	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	1409339	167.85	ng	0.01
7) Phenol-d6	6.61	99	1533724	139.43	ng	0.00
23) Nitrobenzene-d5	7.53	82	1011117	108.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	285453	176.57	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1463063	117.77	ng	-0.01
78) Terphenyl-d14	13.09	244	1009418	92.74	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.73	88	178463	41.56	ng	100
3) Pyridine	3.50	79	502045	46.72	ng	99
4) n-Nitrosodimethylamine	3.45	42	222159	48.30	ng	91
6) Aniline	6.64	93	232376	15.07	ng	96
8) 2-Chlorophenol	6.76	128	390664	38.65	ng	93
9) Benzaldehyde	6.52	77	146277	25.57	ng	100
10) Phenol	6.62	94	579248	49.17	ng	91
11) bis(2-Chloroethyl)ether	6.71	93	426127	43.55	ng	98
12) 1,3-Dichlorobenzene	6.92	146	465550	42.90	ng	98
13) 1,4-Dichlorobenzene	6.92	146	465550	42.80	ng	97
14) 1,2-Dichlorobenzene	7.14	146	431778	43.75	ng	99
15) Benzyl Alcohol	7.11	79	347667	43.05	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.25	45	502502	35.63	ng	97
17) 2-Methylphenol	7.22	107	360848	43.75	ng	96
18) Hexachloroethane	7.49	117	170086	42.39	ng	97
19) n-Nitroso-di-n-propylamine	7.38	70	296956	41.42	ng	# 89
20) 3+4-Methylphenols	7.37	107	408641	41.83	ng	95
22) Acetophenone	7.38	105	546393	44.92	ng	# 99
24) Nitrobenzene	7.56	77	436901	46.18	ng	99
25) Isophorone	7.80	82	823055	47.69	ng	# 97
26) 2-Nitrophenol	7.88	139	200300	43.51	ng	# 90
27) 2,4-Dimethylphenol	7.91	122	413098	49.09	ng	94
28) bis(2-Chloroethoxy)methane	8.00	93	452051	47.03	ng	98
29) 2,4-Dichlorophenol	8.12	162	334390	49.28	ng	95
30) 1,2,4-Trichlorobenzene	8.20	180	346908	47.29	ng	99
31) Naphthalene	8.29	128	1170591	47.77	ng	98
32) Benzoic acid	7.99	122	117955	21.11	ng	90
33) 4-Chloroaniline	8.32	127	134184	13.54	ng	99
34) Hexachlorobutadiene	8.40	225	197626	51.77	ng	99
35) Caprolactam	8.69	113	129711	58.53	ng	# 89
36) 4-Chloro-3-methylphenol	8.81	107	357394	46.42	ng	91
37) 2-Methylnaphthalene	8.97	142	778611	49.51	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.14	216	291882	54.02	ng	97
40) Hexachlorocyclopentadiene	9.13	237	100212	34.39	ng	96

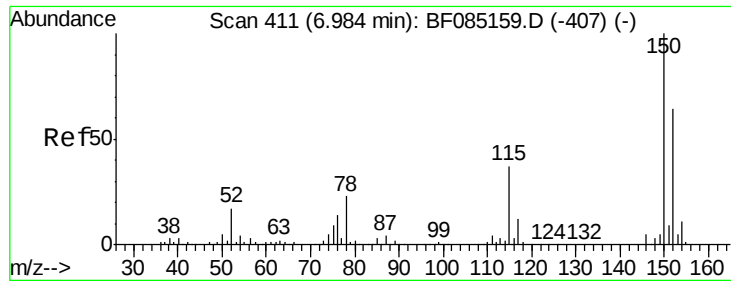
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.25	196	200171	49.77	ng	95
43) 2,4,5-Trichlorophenol	9.29	196	203722	53.42	ng	98
45) 1,1'-Biphenyl	9.44	154	820060	50.80	ng	95
46) 2-Chloronaphthalene	9.46	162	621616	50.52	ng	95
47) 2-Nitroaniline	9.56	65	213848	56.09	ng	# 83
48) Acenaphthylene	9.88	152	882789	46.10	ng	99
49) Dimethylphthalate	9.74	163	866428	59.75	ng	100
50) 2,6-Dinitrotoluene	9.80	165	144643	46.62	ng	95
51) Acenaphthene	10.05	154	519347	44.67	ng	98
52) 3-Nitroaniline	9.97	138	138171	37.23	ng	# 85
53) 2,4-Dinitrophenol	10.07	184	9308	13.35	ng	# 52
54) Dibenzofuran	10.22	168	740758	48.63	ng	97
55) 4-Nitrophenol	10.12	139	200397	68.70	ng	# 67
56) 2,4-Dinitrotoluene	10.20	165	171336	43.15	ng	# 94
57) Fluorene	10.56	166	548280	45.82	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.34	232	130231	48.61	ng	# 93
59) Diethylphthalate	10.44	149	679395	48.28	ng	97
60) 4-Chlorophenyl-phenylether	10.56	204	289548	49.73	ng	# 87
61) 4-Nitroaniline	10.57	138	124506	35.86	ng	99
62) Azobenzene	10.72	77	640169	46.17	ng	83
64) 4,6-Dinitro-2-methylphenol	10.61	198	17309	10.10	ng	# 1
65) n-Nitrosodiphenylamine	10.68	169	565347	63.48	ng	97
66) 4-Bromophenyl-phenylether	11.05	248	160937	57.89	ng	# 88
67) Hexachlorobenzene	11.12	284	170220	57.39	ng	96
68) Atrazine	11.20	200	160528	64.82	ng	97
69) Pentachlorophenol	11.30	266	153752	93.39	ng	98
70) Phenanthrene	11.53	178	786325	52.40	ng	98
71) Anthracene	11.58	178	696867	43.75	ng	98
72) Carbazole	11.73	167	621321	44.48	ng	# 97
73) Di-n-butylphthalate	12.06	149	790573	44.78	ng	99
74) Fluoranthene	12.72	202	684098	45.43	ng	99
76) Benzidine	12.84	184	240329	31.96	ng	# 93
77) Pyrene	12.95	202	689764	36.27	ng	98
79) Butylbenzylphthalate	13.56	149	340250	39.43	ng	97
80) Benzo(a)anthracene	14.14	228	695173	45.96	ng	100
81) 3,3'-Dichlorobenzidine	14.09	252	73879	15.48	ng	97
82) Chrysene	14.17	228	650058	46.52	ng	99
83) Bis(2-ethylhexyl)phthalate	14.12	149	520558	45.84	ng	99
84) Di-n-octyl phthalate	14.73	149	925405	53.51	ng	# 88
85) Indeno(1,2,3-cd)pyrene	17.10	276	568249	52.11	ng	97
87) Benzo(b)fluoranthene	15.19	252	637430	46.92	ng	# 96
88) Benzo(k)fluoranthene	15.19	252	637430	58.16	ng	# 97
89) Benzo(a)pyrene	15.56	252	544493	48.36	ng	97
90) Dibenzo(a,h)anthracene	17.11	278	482961	50.25	ng	98
91) Benzo(g,h,i)perylene	17.55	276	453253	46.90	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: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

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SB-43(10-12)MSD

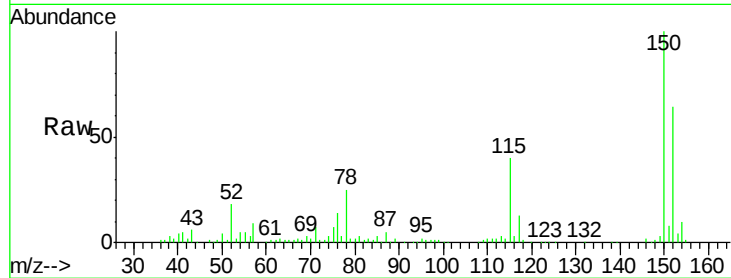
Tgt Ion:152 Resp: 140837

Ion Ratio Lower Upper

152 100

150 156.7 124.6 186.8

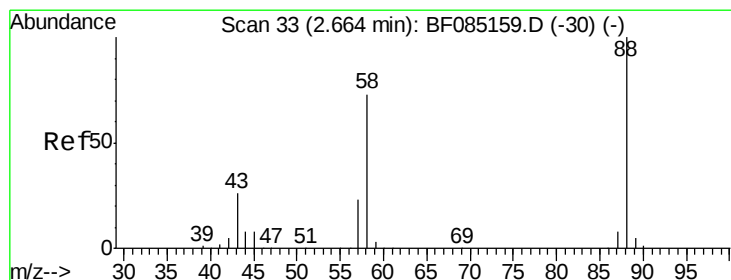
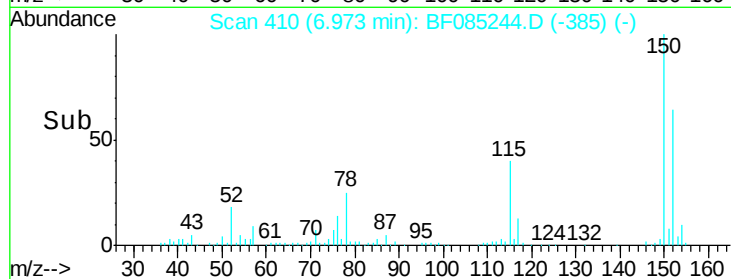
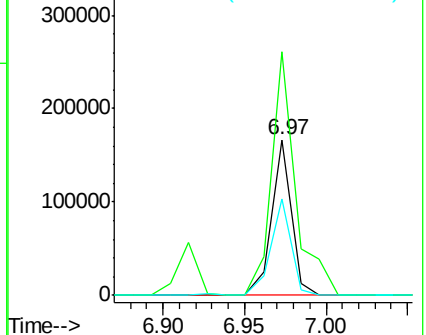
115 62.4 46.6 70.0



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: 41.56 ng

RT: 2.73 min Scan# 39

Delta R.T. 0.07 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

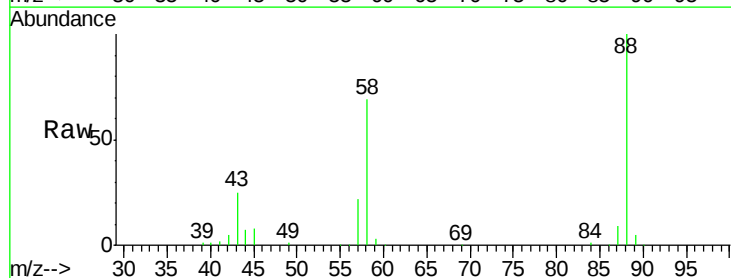
Tgt Ion: 88 Resp: 178463

Ion Ratio Lower Upper

88 100

58 71.4 57.0 85.6

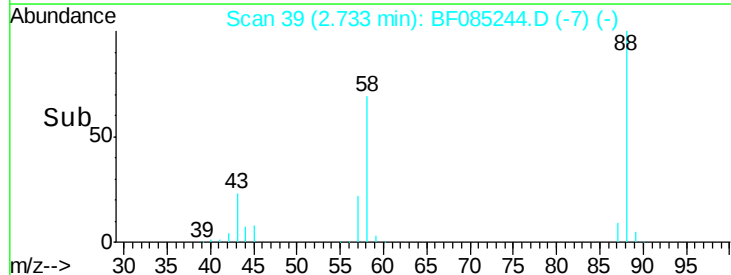
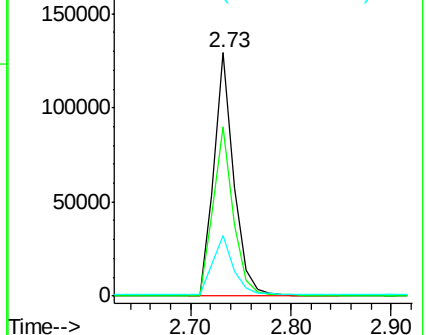
43 25.5 20.5 30.7

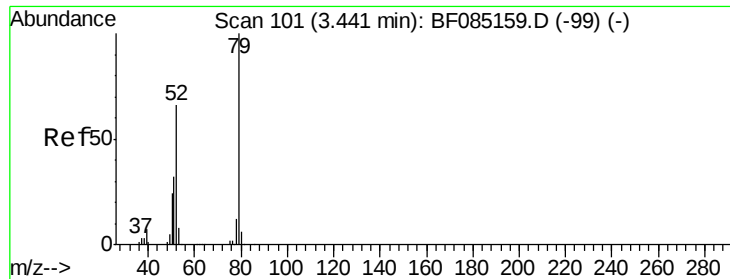


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 46.72 ng

RT: 3.50 min Scan# 106

Delta R.T. 0.06 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

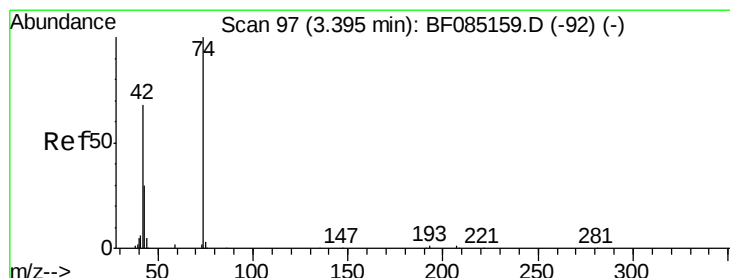
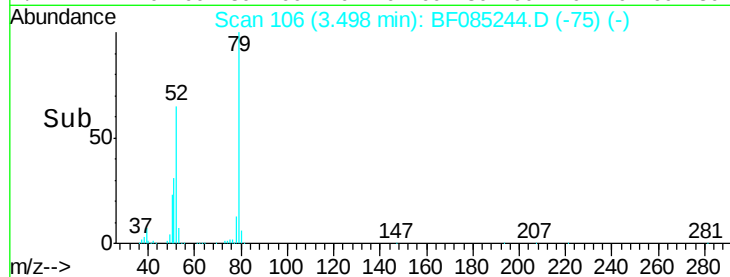
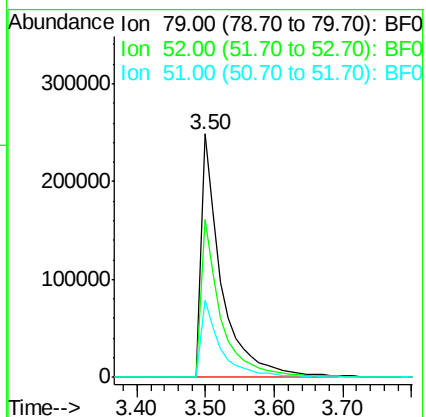
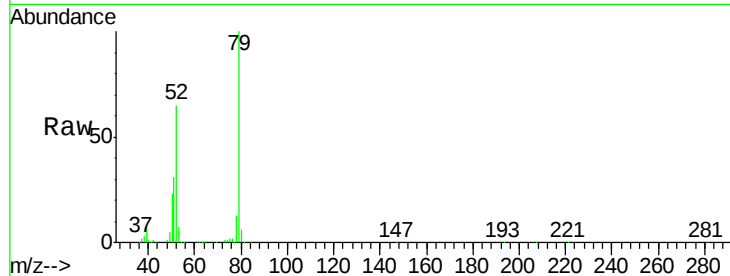
Tgt Ion: 79 Resp: 502045

Ion Ratio Lower Upper

79 100

52 64.8 52.6 79.0

51 31.5 25.8 38.8



#4

n-Nitrosodimethylamine

Concen: 48.30 ng

RT: 3.45 min Scan# 102

Delta R.T. 0.06 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

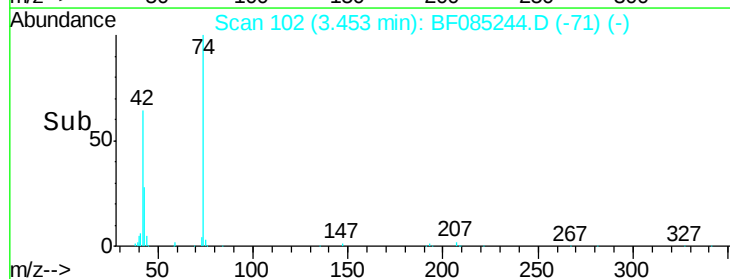
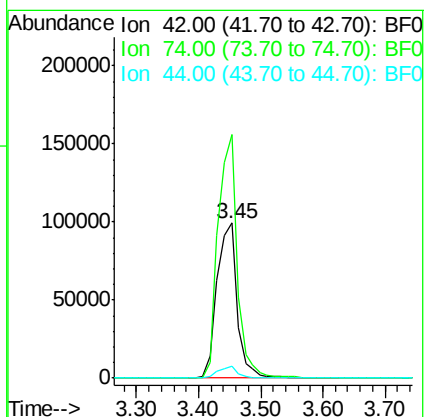
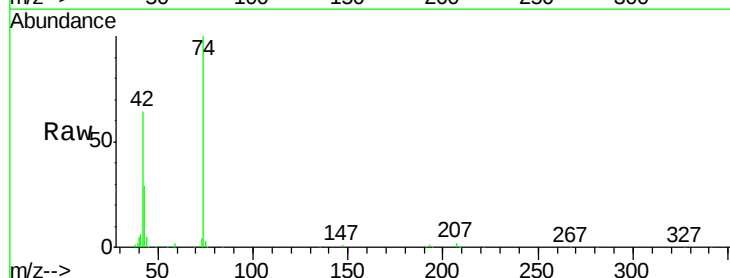
Tgt Ion: 42 Resp: 222159

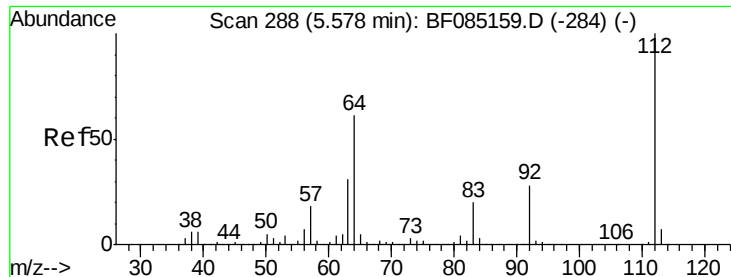
Ion Ratio Lower Upper

42 100

74 157.1 116.8 175.2

44 7.5 5.5 8.3





#5

2-Fluorophenol

Concen: 167.85 ng

RT: 5.59 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

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SB-43(10-12)MSD

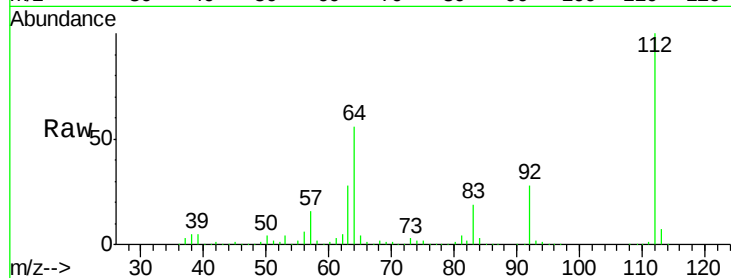
Tgt Ion: 112 Resp: 1409339

Ion Ratio Lower Upper

112 100

64 55.7 49.0 73.4

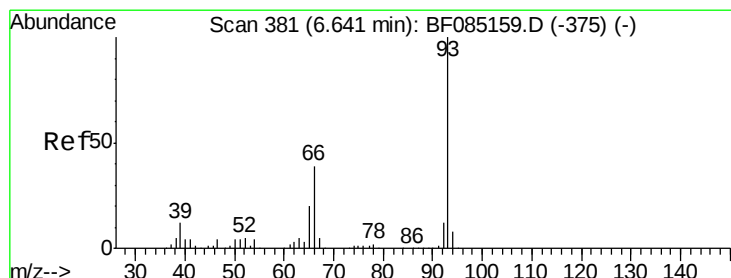
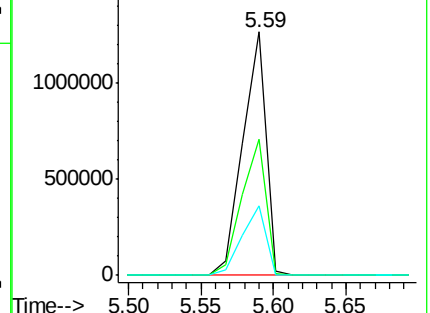
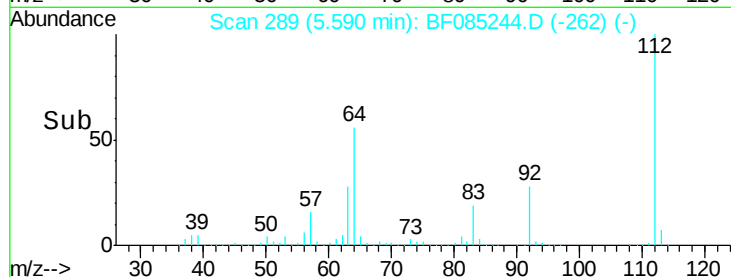
63 28.4 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 15.07 ng

RT: 6.64 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

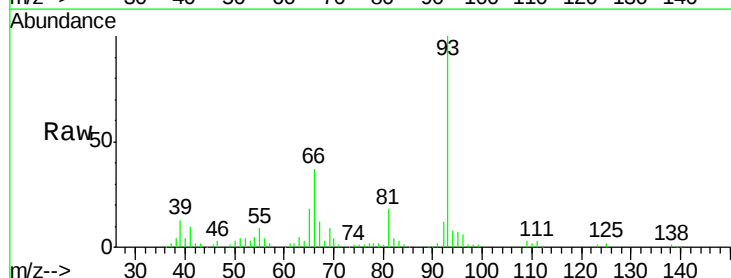
Tgt Ion: 93 Resp: 232376

Ion Ratio Lower Upper

93 100

66 36.7 31.6 47.4

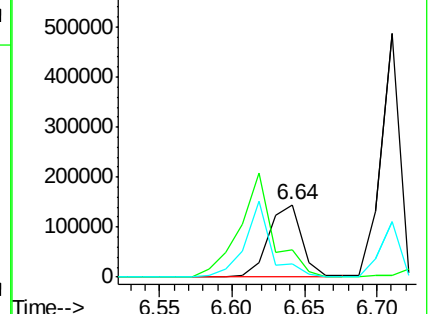
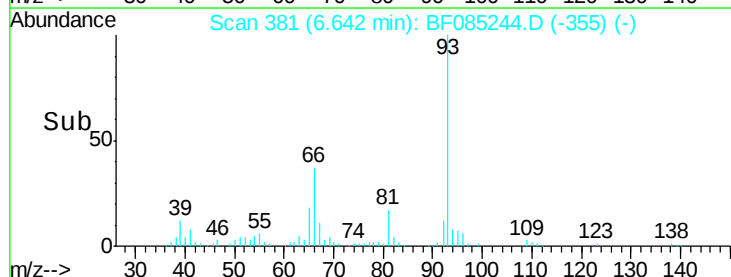
65 17.9 15.8 23.8



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: 139.43 ng

RT: 6.61 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

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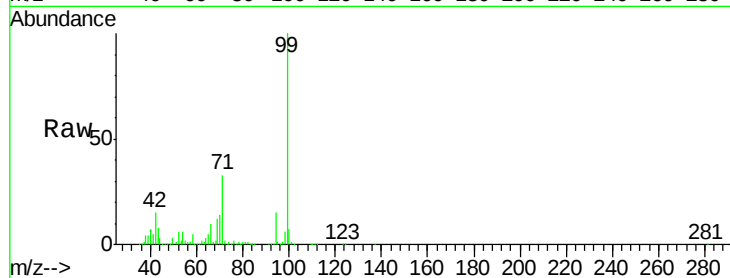
Tgt Ion: 99 Resp: 1533724

Ion Ratio Lower Upper

99 100

42 14.6 13.6 20.4

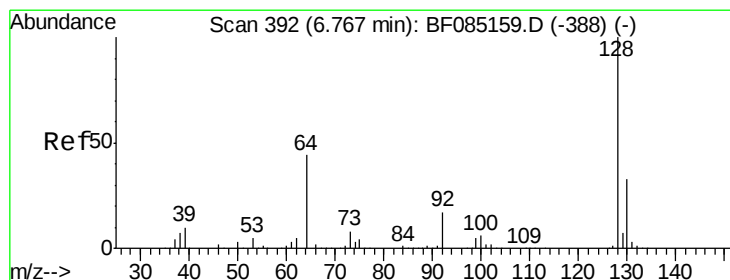
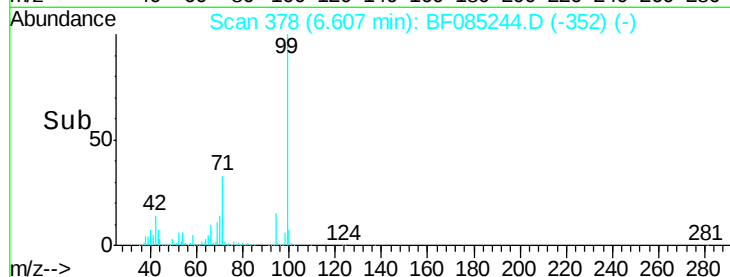
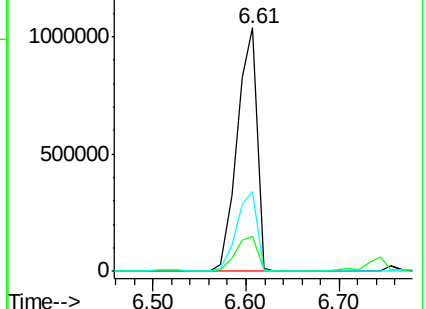
71 32.8 26.7 40.1



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: 38.65 ng

RT: 6.76 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

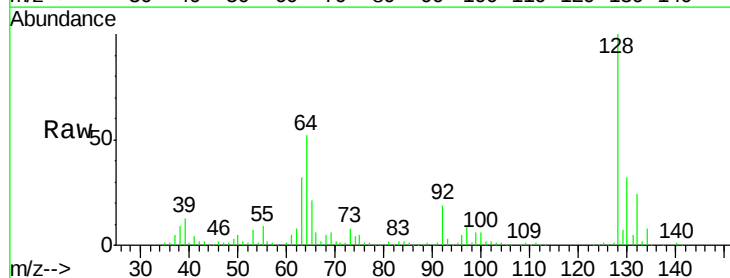
Tgt Ion: 128 Resp: 390664

Ion Ratio Lower Upper

128 100

130 31.8 13.3 53.3

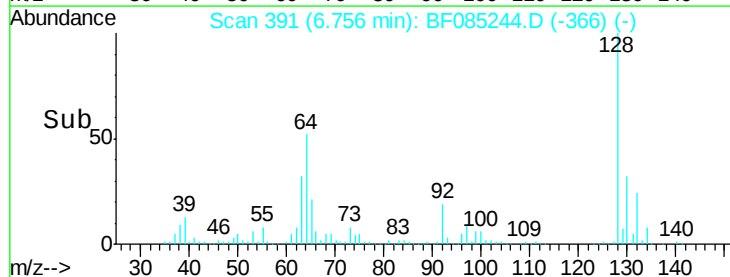
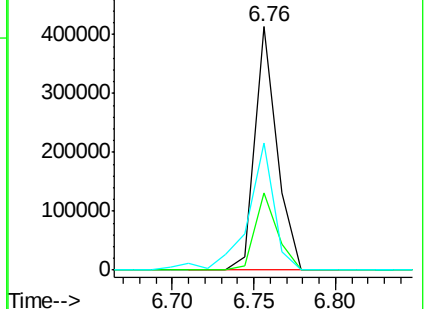
64 52.4 25.7 65.7

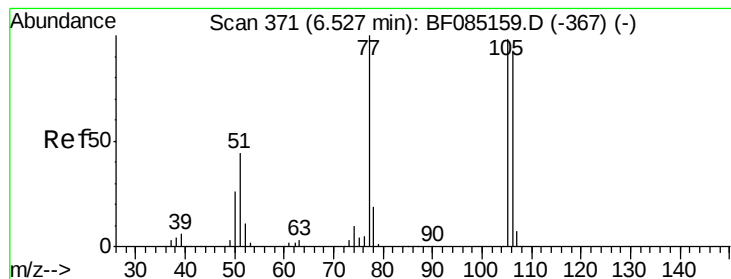


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 25.57 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

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SB-43(10-12)MSD

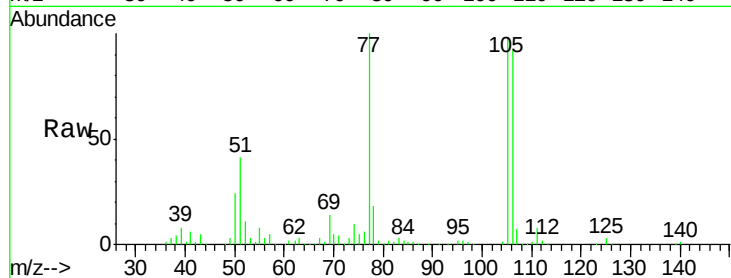
Tgt Ion: 77 Resp: 146277

Ion Ratio Lower Upper

77 100

105 98.3 78.2 118.2

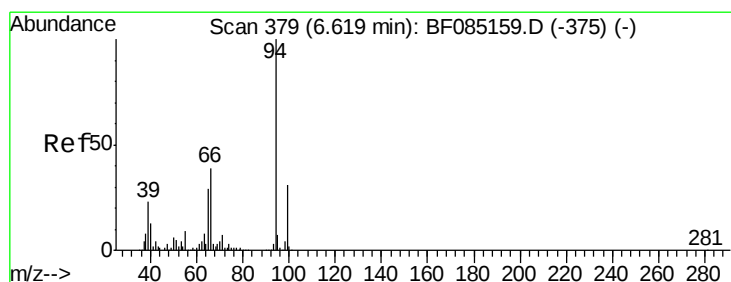
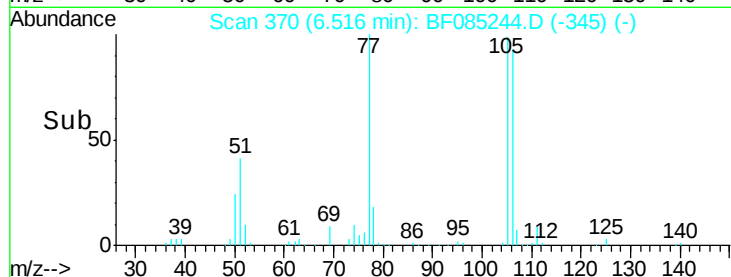
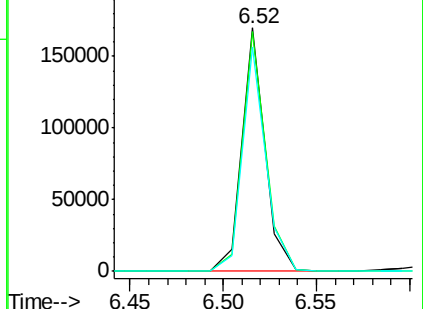
106 92.2 72.9 112.9



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: 49.17 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

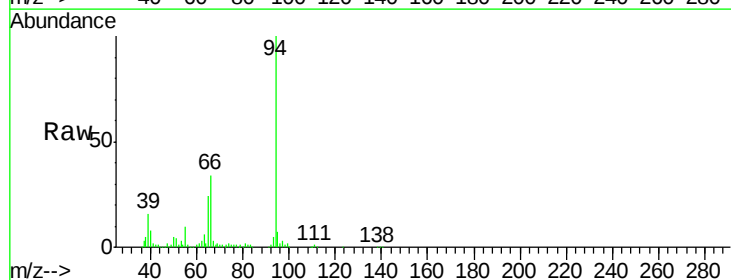
Tgt Ion: 94 Resp: 579248

Ion Ratio Lower Upper

94 100

65 24.4 9.1 49.1

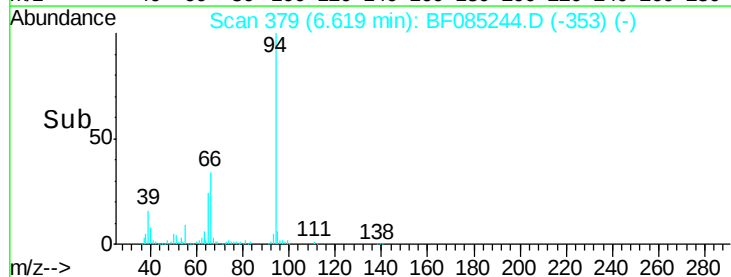
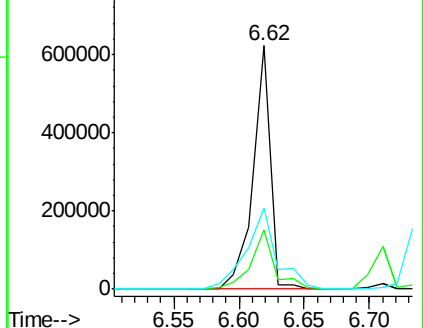
66 33.5 19.3 59.3

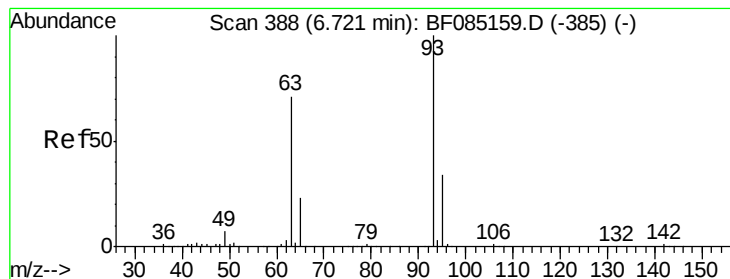


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 43.55 ng

RT: 6.71 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

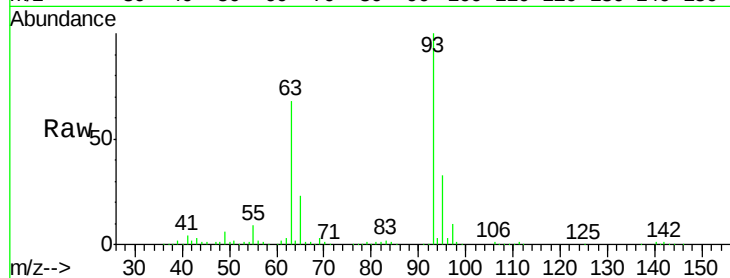
Tgt Ion: 93 Resp: 426127

Ion Ratio Lower Upper

93 100

63 68.3 50.9 90.9

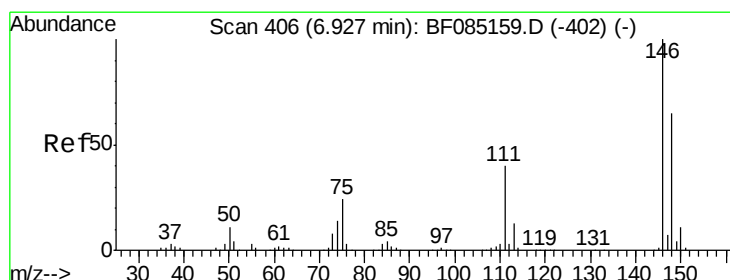
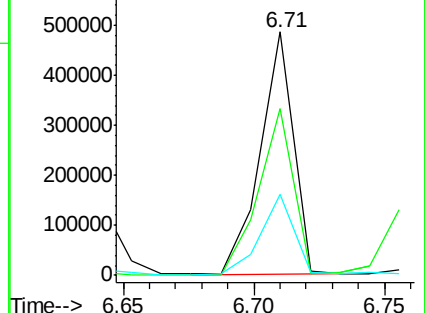
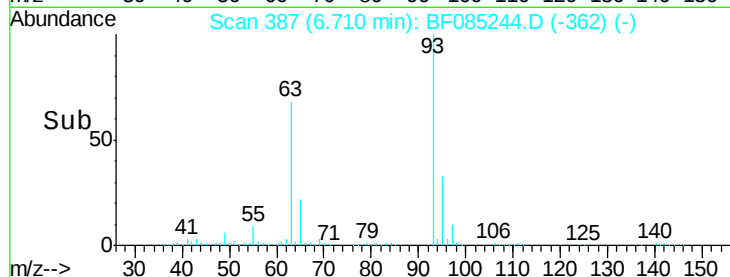
95 33.2 13.7 53.7



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 42.90 ng

RT: 6.92 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

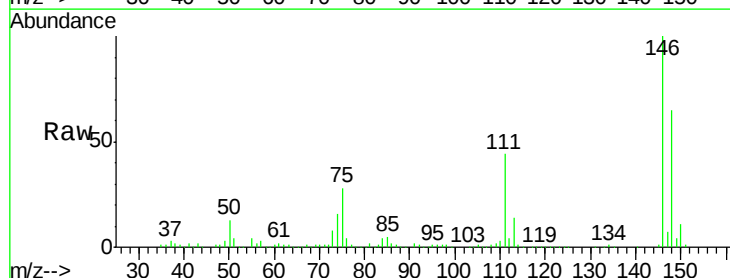
Tgt Ion: 146 Resp: 465550

Ion Ratio Lower Upper

146 100

148 64.8 52.1 78.1

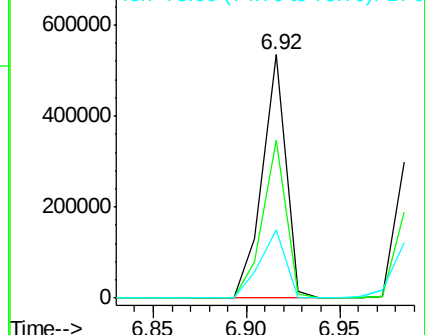
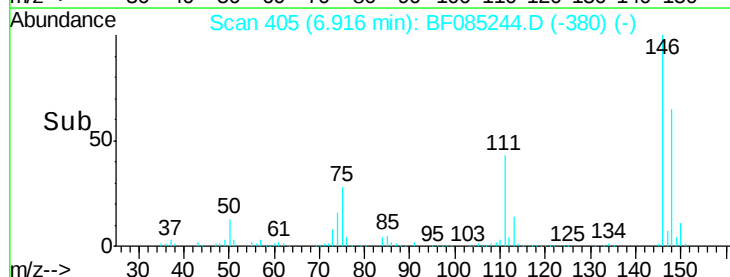
75 27.9 19.5 29.3

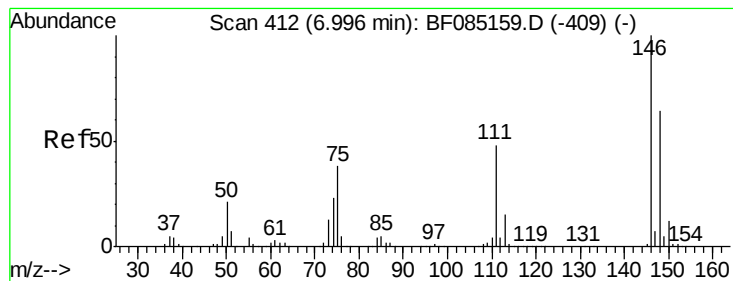


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 42.80 ng

RT: 6.92 min Scan# 405

Delta R.T. -0.08 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

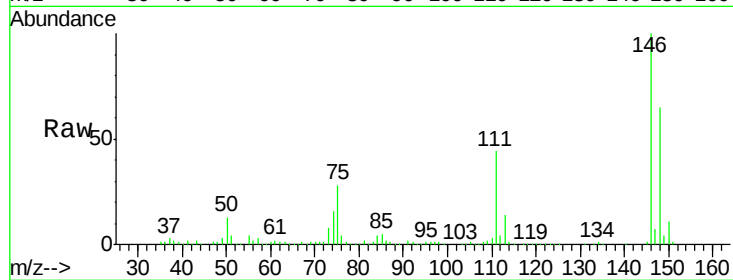
Tgt Ion:146 Resp: 465550

Ion Ratio Lower Upper

146 100

148 64.8 51.3 76.9

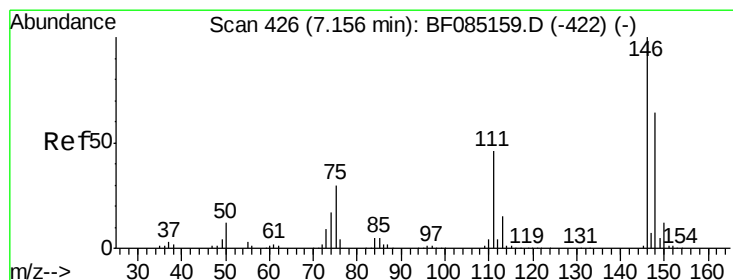
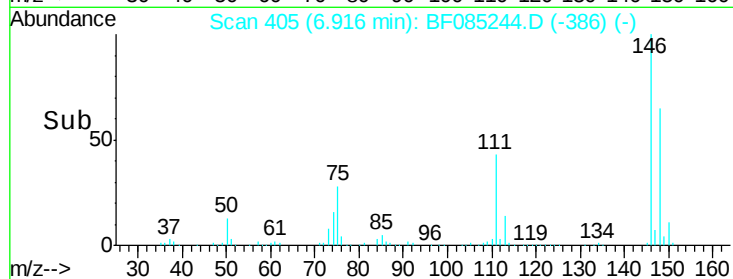
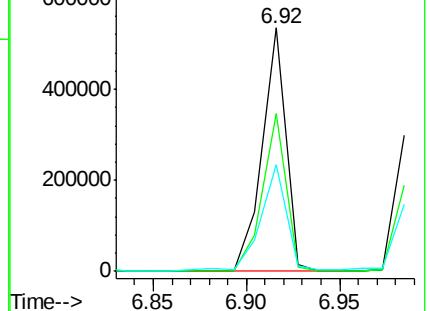
111 43.8 38.4 57.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 43.75 ng

RT: 7.14 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

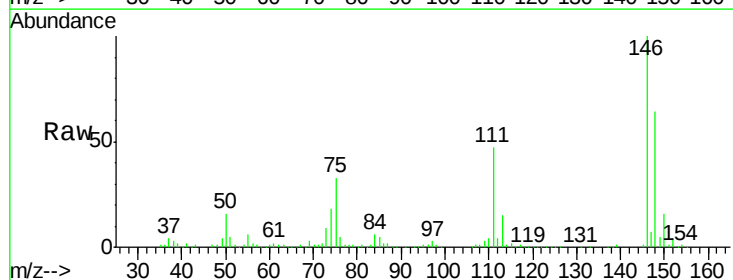
Tgt Ion:146 Resp: 431778

Ion Ratio Lower Upper

146 100

148 63.8 51.4 77.2

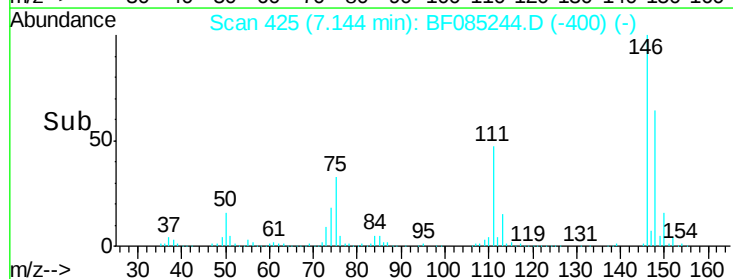
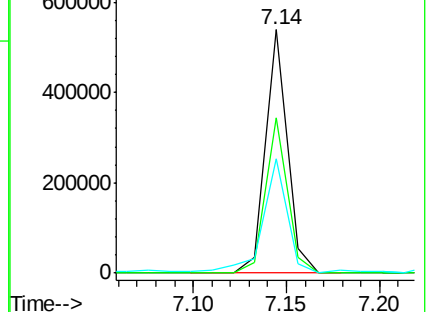
111 46.7 36.7 55.1

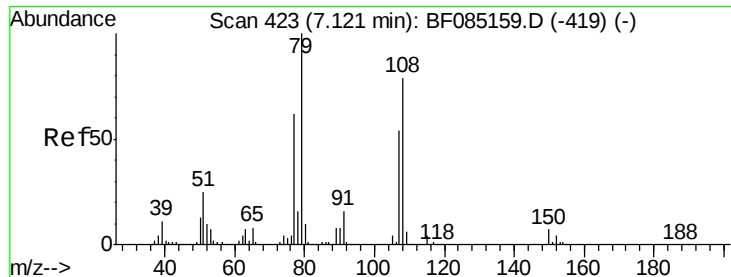


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 43.05 ng

RT: 7.11 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

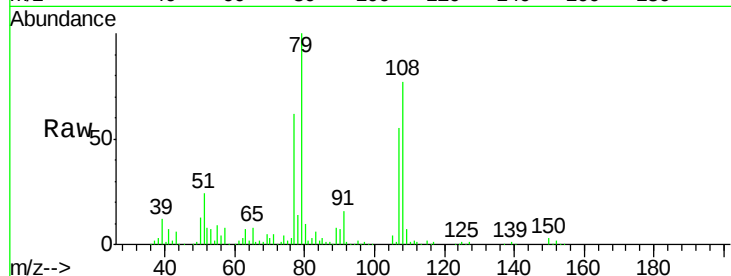
Tgt Ion: 79 Resp: 347667

Ion Ratio Lower Upper

79 100

108 77.1 62.9 94.3

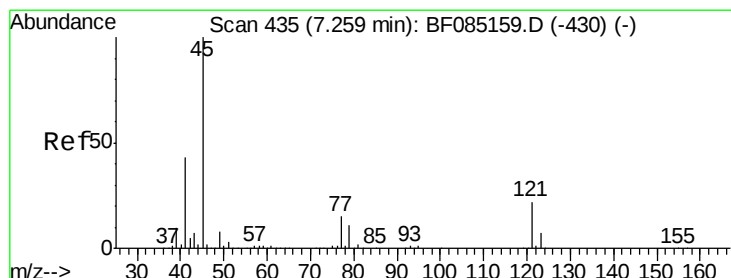
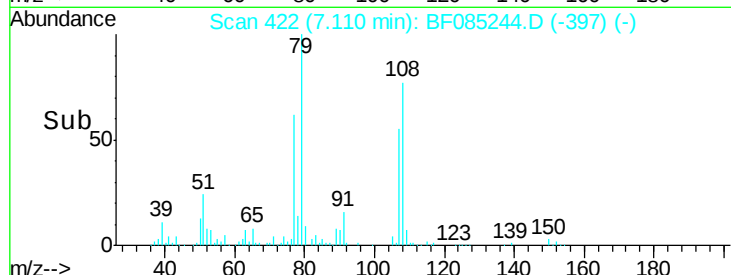
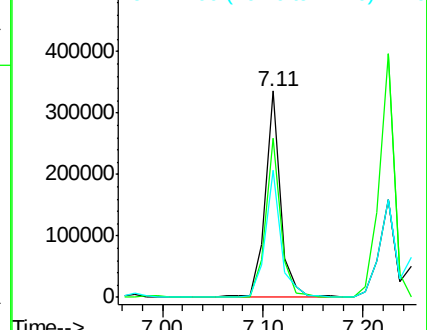
77 61.6 49.5 74.3



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.63 ng

RT: 7.25 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

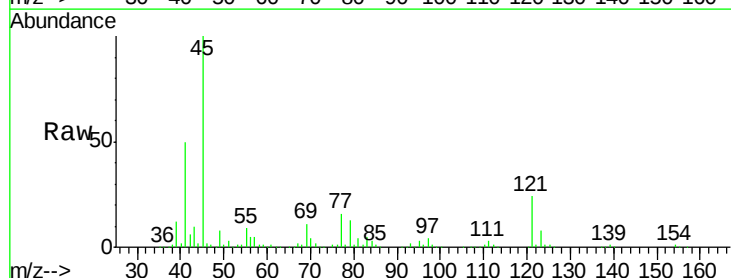
Tgt Ion: 45 Resp: 502502

Ion Ratio Lower Upper

45 100

77 16.4 0.0 35.1

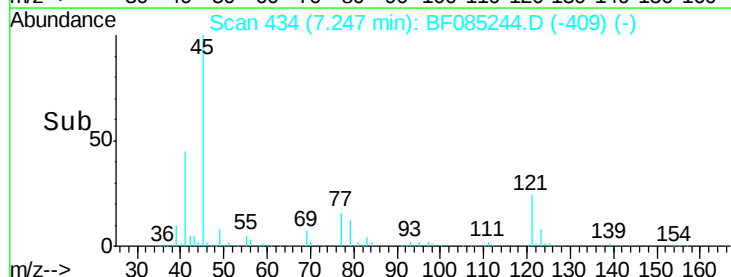
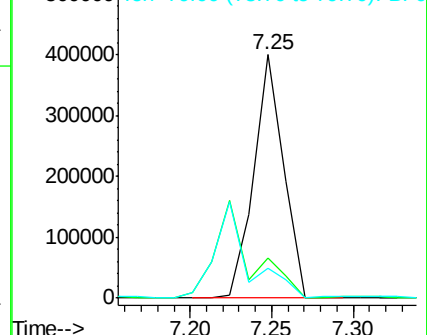
79 12.5 0.0 31.3

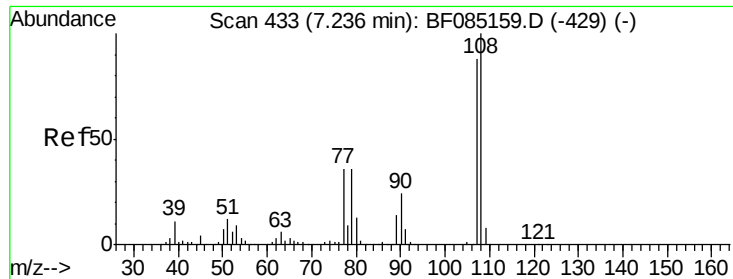


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

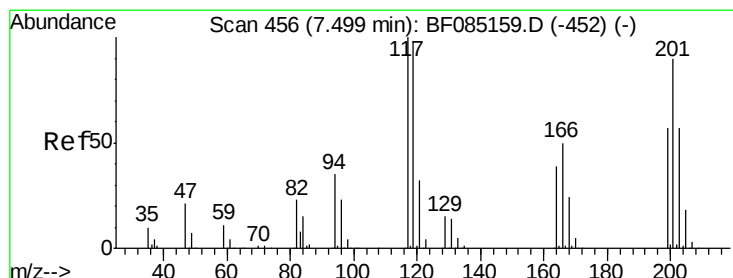
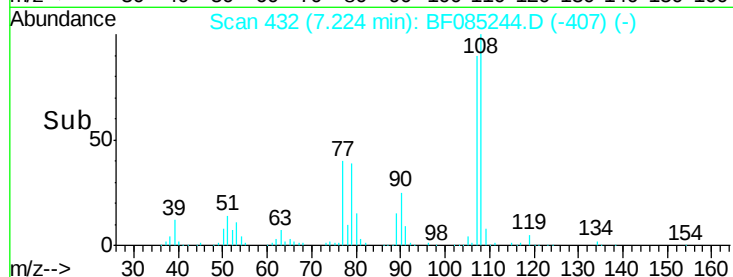
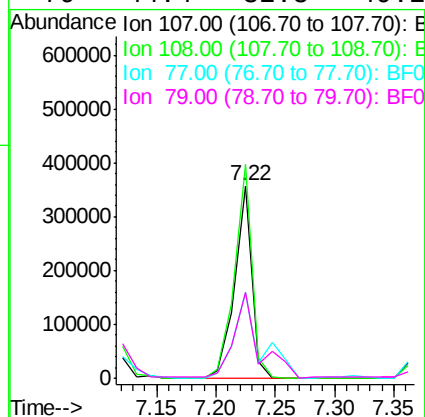
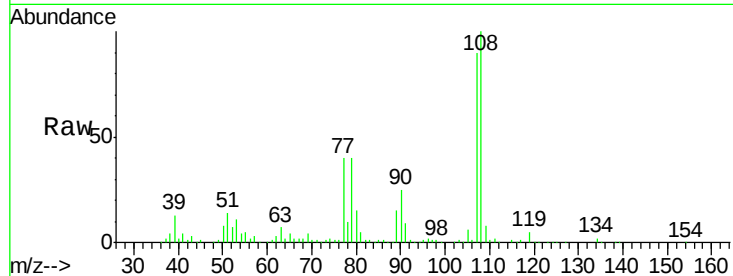




#17
2-Methylphenol
Concen: 43.75 ng
RT: 7.22 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

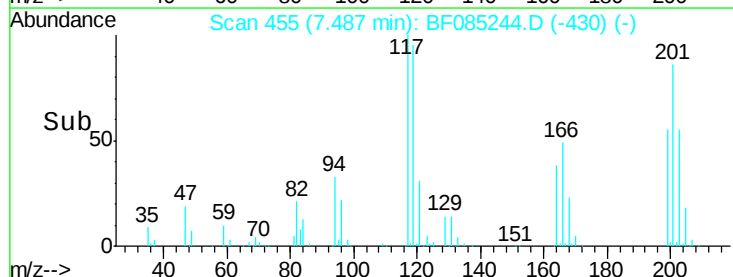
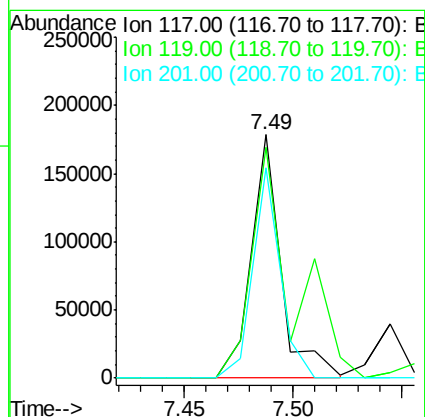
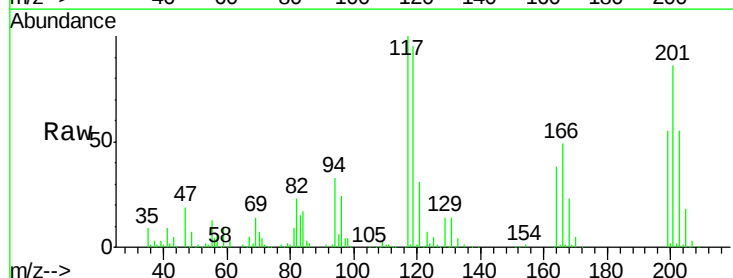
Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.1	90.9	136.3
77	44.8	32.6	48.8
79	44.4	32.8	49.2



#18
Hexachloroethane
Concen: 42.39 ng
RT: 7.49 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	78.2	117.4
201	86.5	72.0	108.0

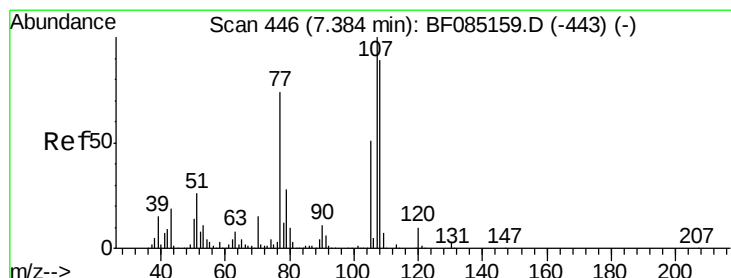
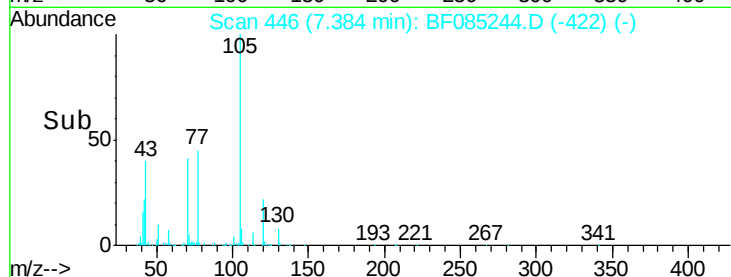
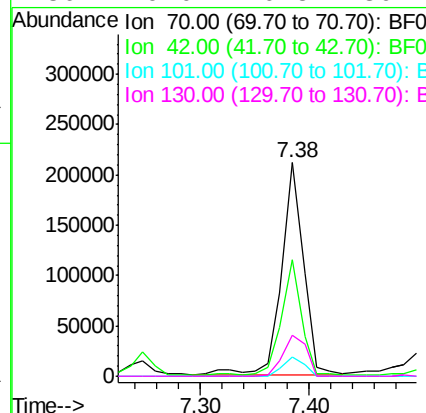
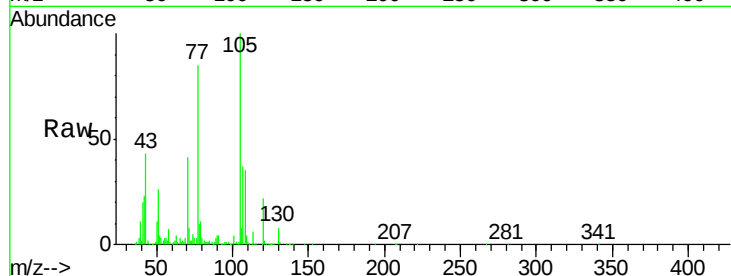




#19
n-Nitroso-di-n-propylamine
Concen: 41.42 ng
RT: 7.38 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

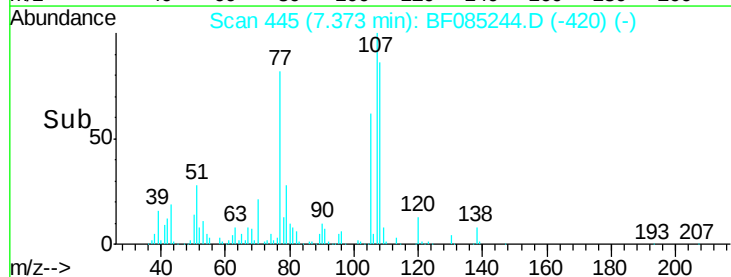
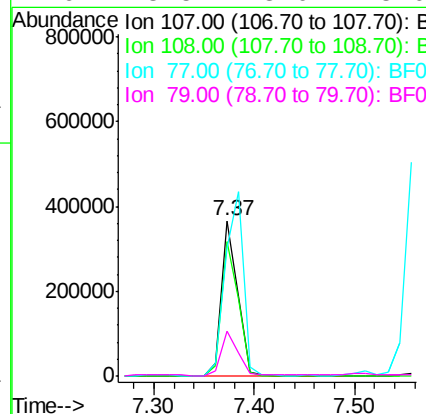
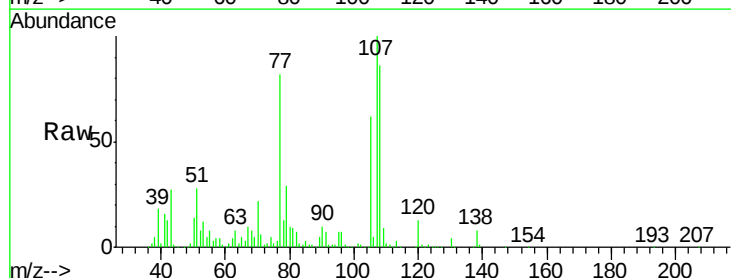
Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

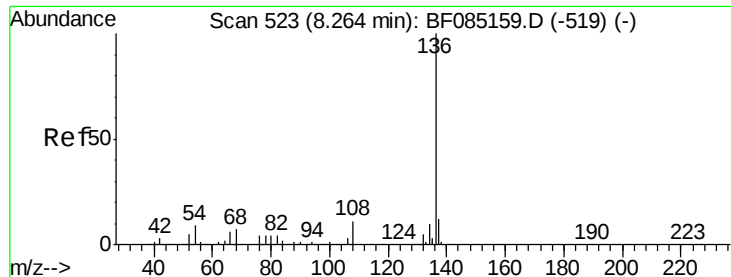
Tgt Ion: 70 Resp: 296956
Ion Ratio Lower Upper
70 100
42 54.6 37.7 56.5
101 9.0 8.2 12.4
130 19.0 20.5 30.7#



#20
3+4-Methylphenols
Concen: 41.83 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion: 107 Resp: 408641
Ion Ratio Lower Upper
107 100
108 86.4 68.8 108.8
77 82.1 53.6 93.6
79 28.5 8.0 48.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

Tgt Ion:136 Resp: 498374

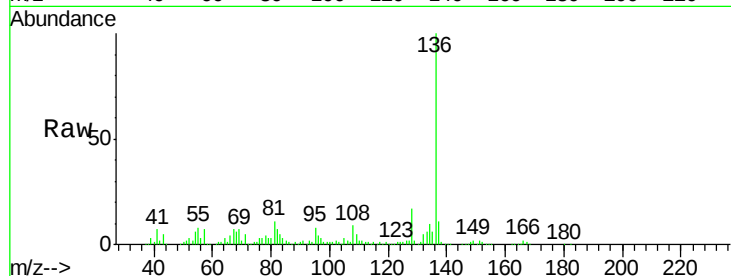
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 6.0 7.4 11.2#

68 6.3 6.0 9.0

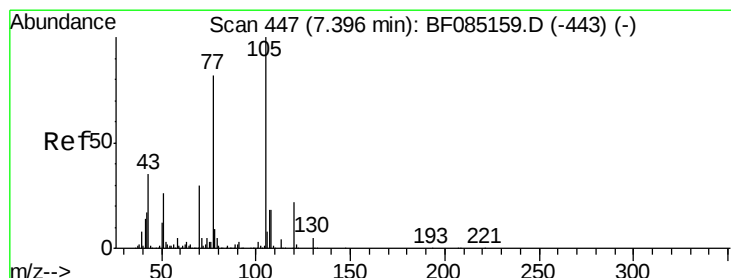
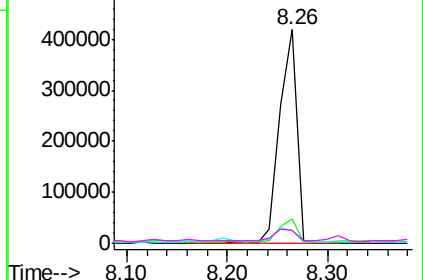
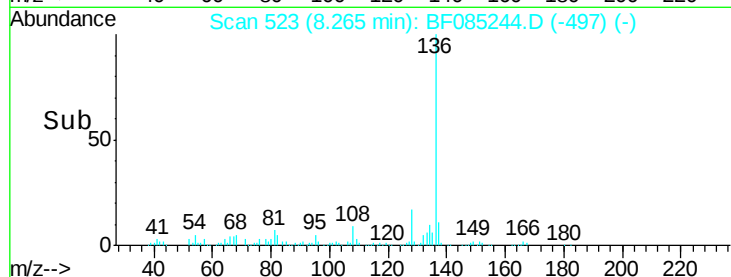


Abundance Ion 136.00 (135.70 to 136.70): E

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: 44.92 ng

RT: 7.38 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:105 Resp: 546393

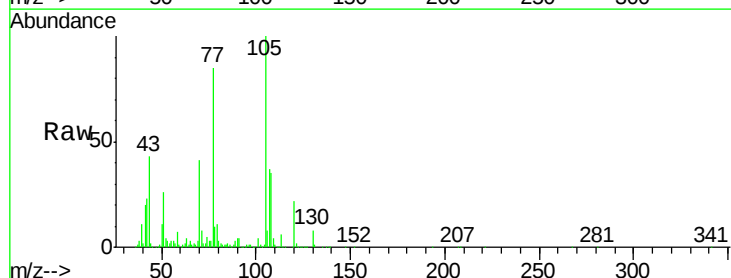
Ion Ratio Lower Upper

105 100

71 7.6 4.1 6.1#

51 25.8 21.1 31.7

120 21.7 17.3 25.9

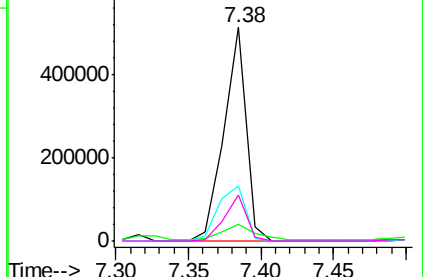
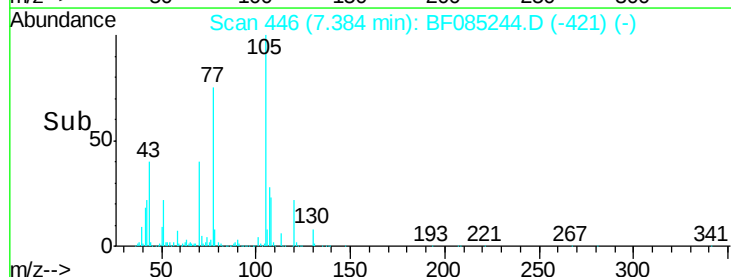


Abundance Ion 105.00 (104.70 to 105.70): E

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

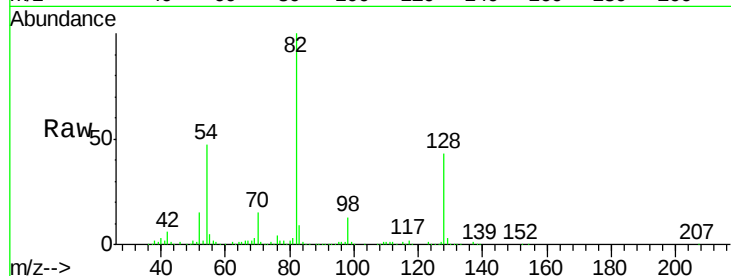




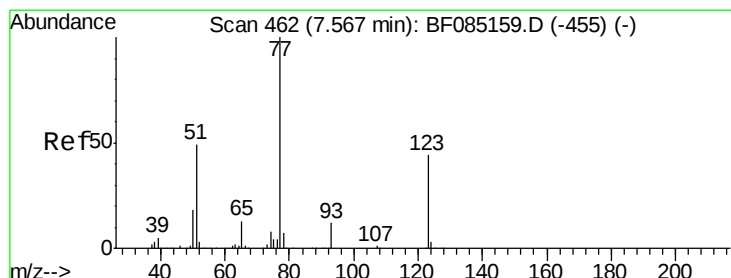
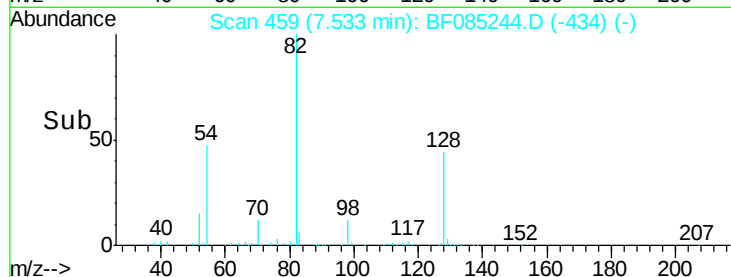
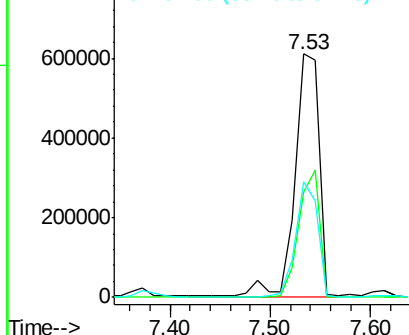
#23
Nitrobenzene-d5
Concen: 108.57 ng
RT: 7.53 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tgt Ion: 82 Resp: 1011117
Ion Ratio Lower Upper
82 100
128 43.2 34.5 51.7
54 47.3 39.3 58.9

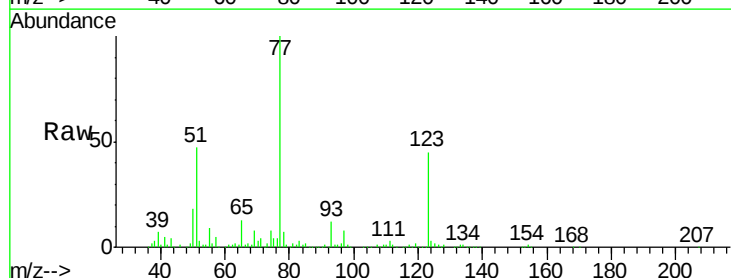


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

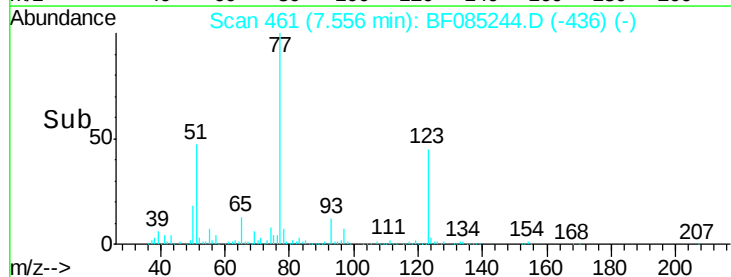
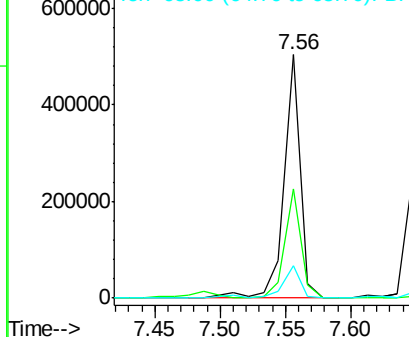


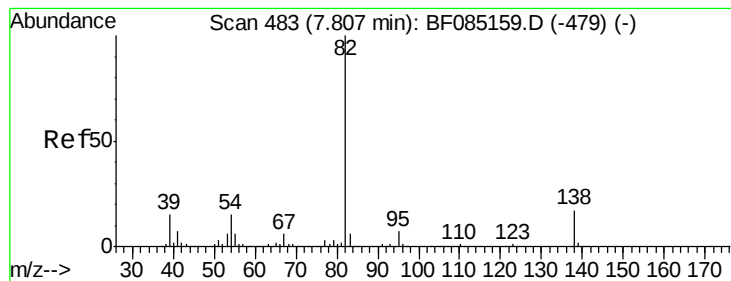
#24
Nitrobenzene
Concen: 46.18 ng
RT: 7.56 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion: 77 Resp: 436901
Ion Ratio Lower Upper
77 100
123 44.9 35.4 53.2
65 13.4 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: 47.69 ng

RT: 7.80 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

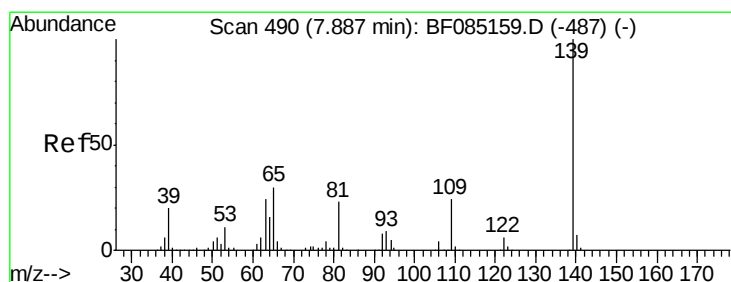
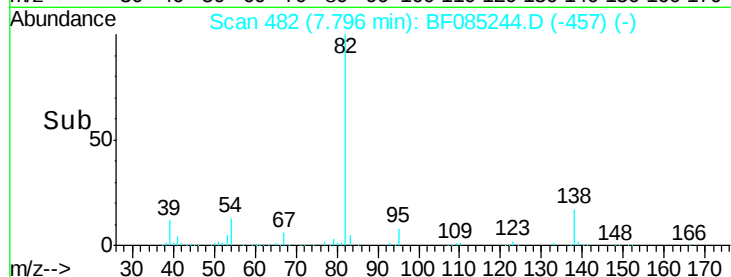
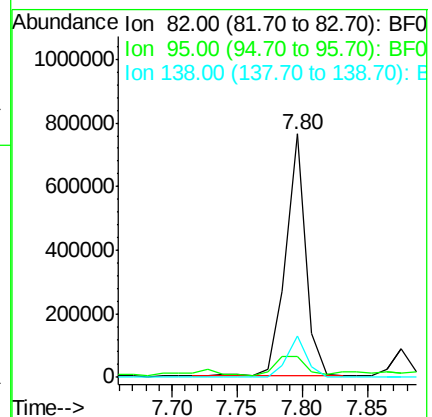
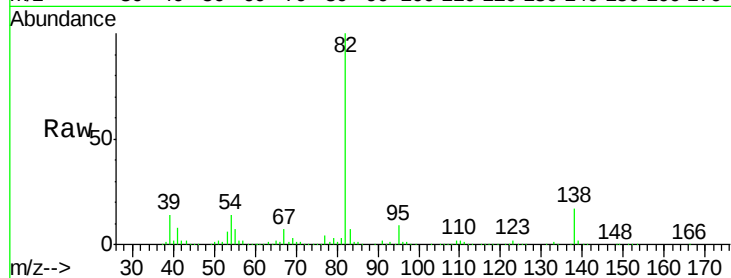
Tgt Ion: 82 Resp: 823055

Ion Ratio Lower Upper

82 100

95 8.7 5.4 8.2#

138 17.2 13.3 19.9



#26

2-Nitrophenol

Concen: 43.51 ng

RT: 7.88 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

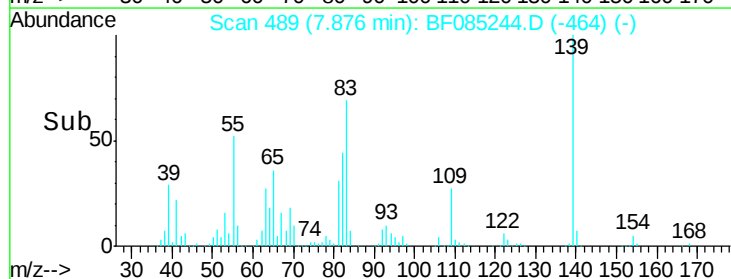
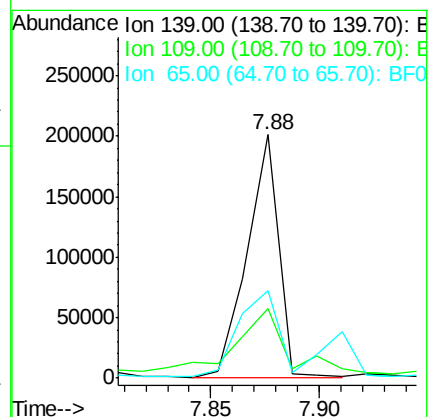
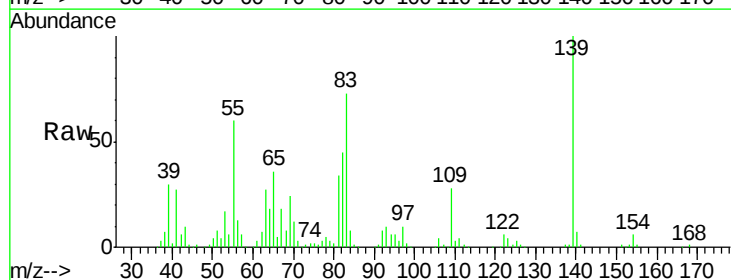
Tgt Ion: 139 Resp: 200300

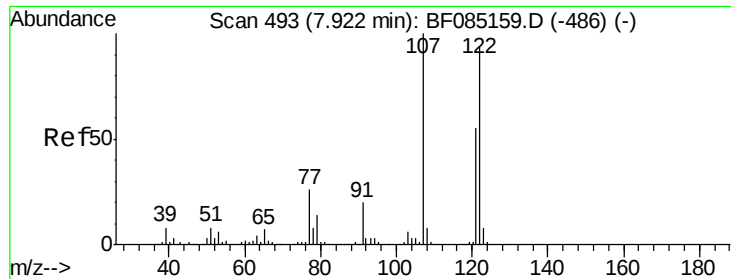
Ion Ratio Lower Upper

139 100

109 28.3 19.1 28.7

65 36.1 23.9 35.9#

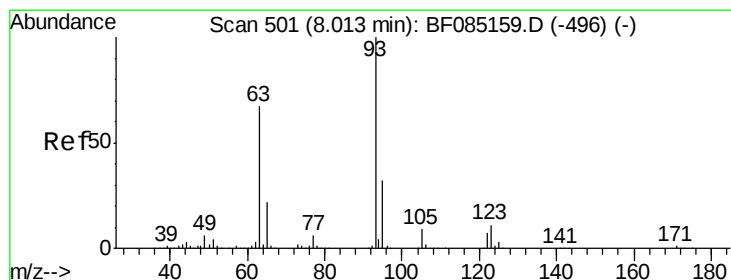
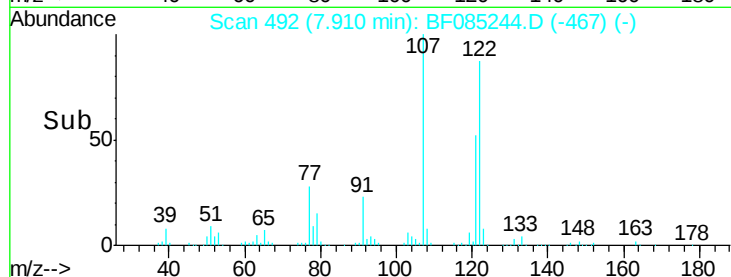
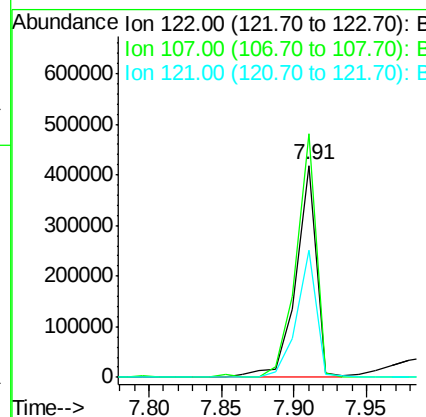
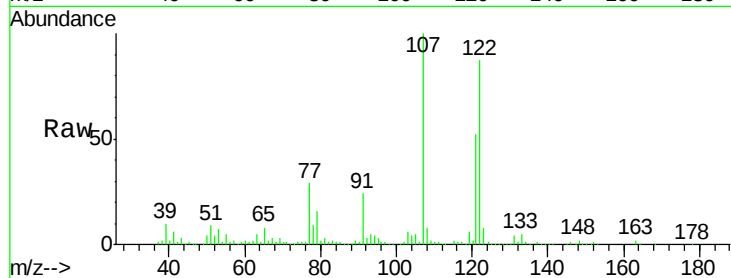




#27
 2,4-Dimethylphenol
 Concen: 49.09 ng
 RT: 7.91 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

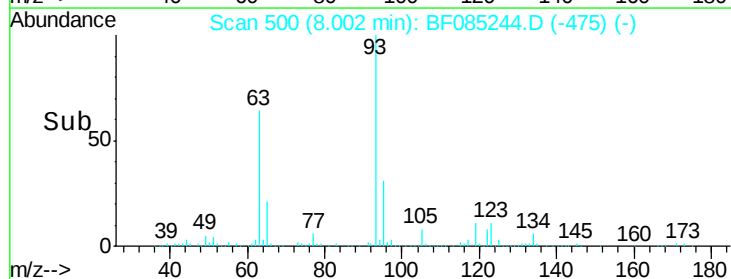
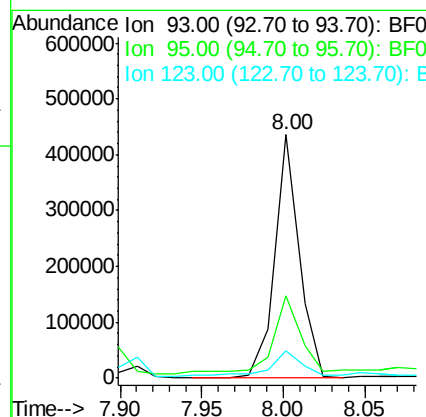
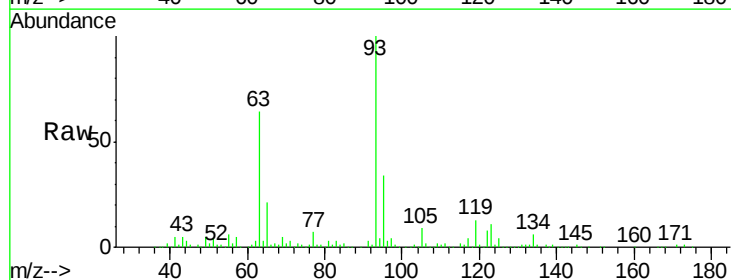
Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

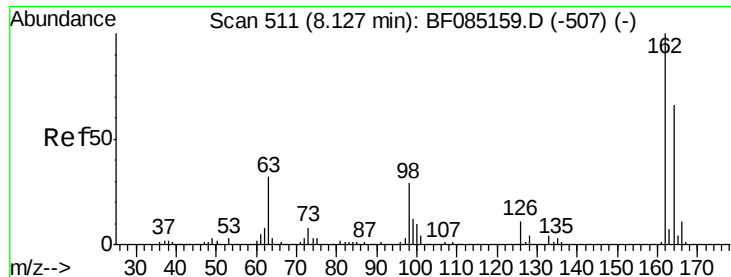
Tgt Ion:122 Resp: 413098
 Ion Ratio Lower Upper
 122 100
 107 115.1 84.8 127.2
 121 60.3 47.0 70.6



#28
 bis(2-Chloroethoxy)methane
 Concen: 47.03 ng
 RT: 8.00 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion: 93 Resp: 452051
 Ion Ratio Lower Upper
 93 100
 95 33.9 25.9 38.9
 123 11.4 8.8 13.2

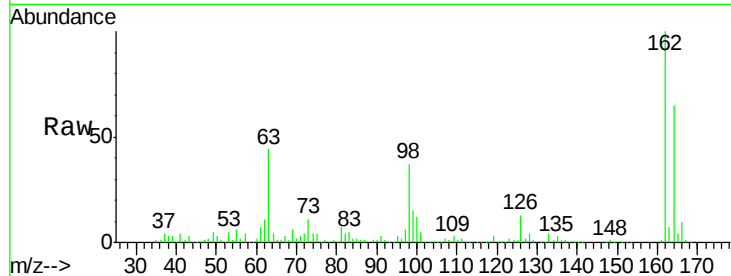




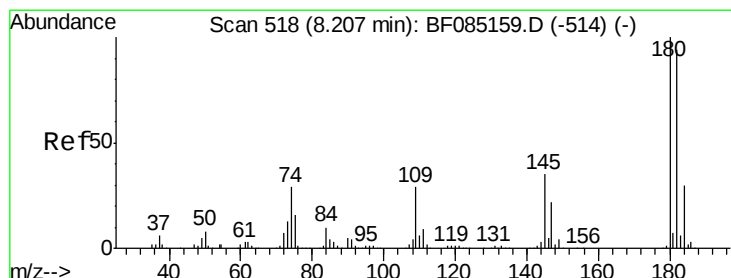
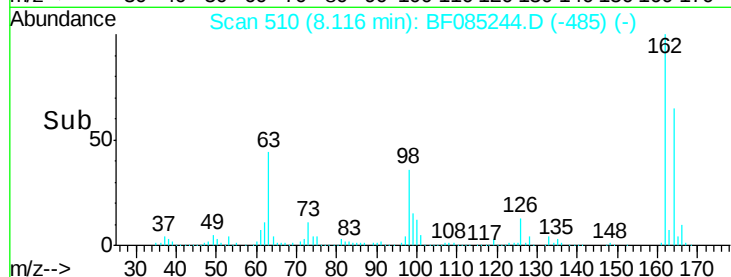
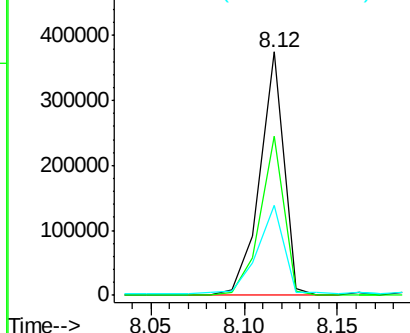
#29
 2,4-Dichlorophenol
 Concen: 49.28 ng
 RT: 8.12 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.1	45.7	85.7
98	36.8	9.4	49.4

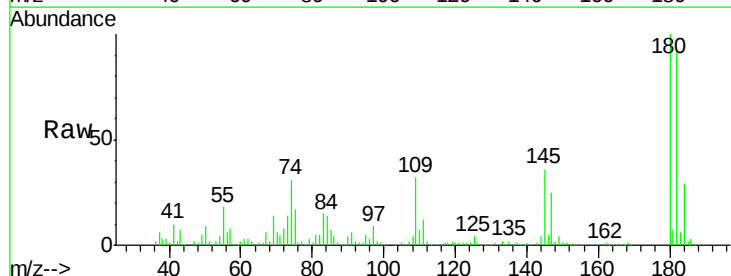


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

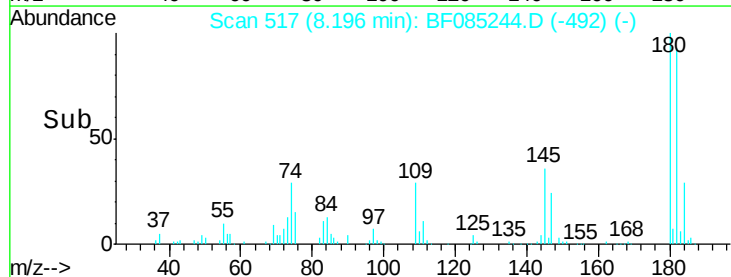
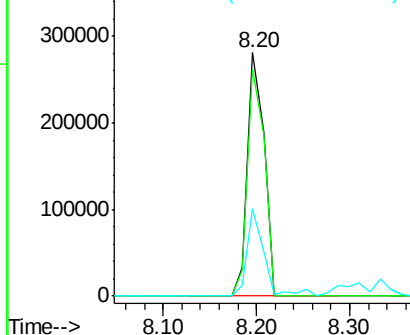


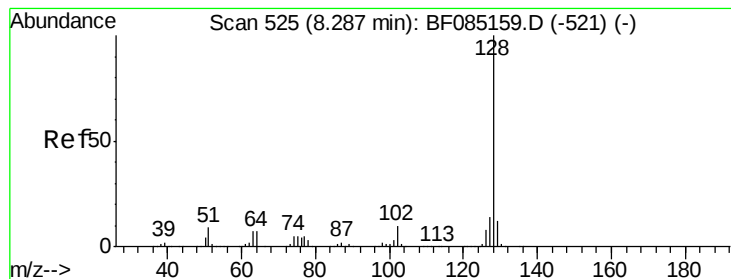
#30
 1,2,4-Trichlorobenzene
 Concen: 47.29 ng
 RT: 8.20 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	74.9	112.3
145	35.9	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: 47.77 ng

RT: 8.29 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

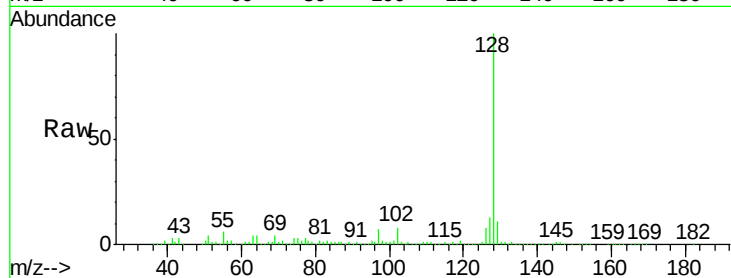
Tgt Ion:128 Resp: 1170591

Ion Ratio Lower Upper

128 100

129 11.1 9.7 14.5

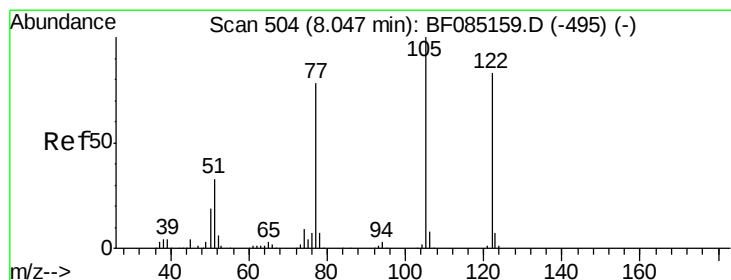
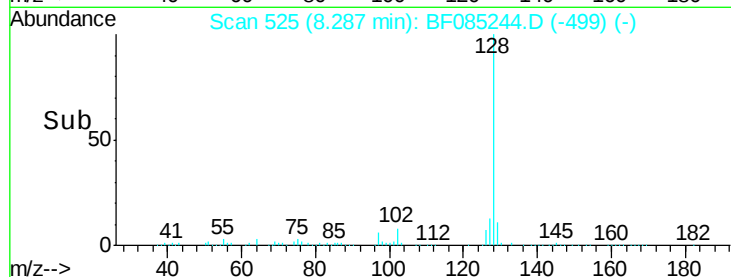
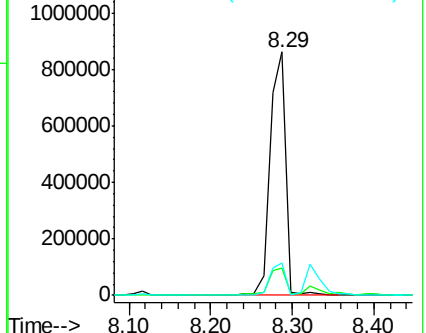
127 13.4 11.2 16.8



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: 21.11 ng

RT: 7.99 min Scan# 499

Delta R.T. -0.06 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

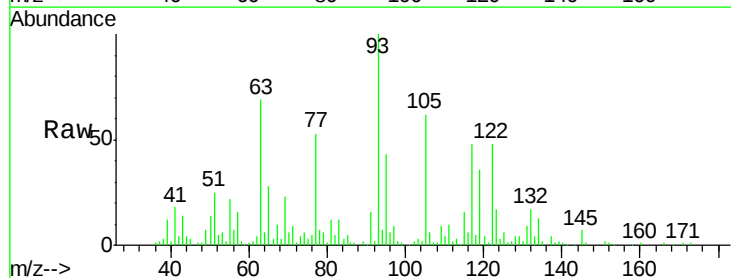
Tgt Ion:122 Resp: 117955

Ion Ratio Lower Upper

122 100

105 127.6 101.3 141.3

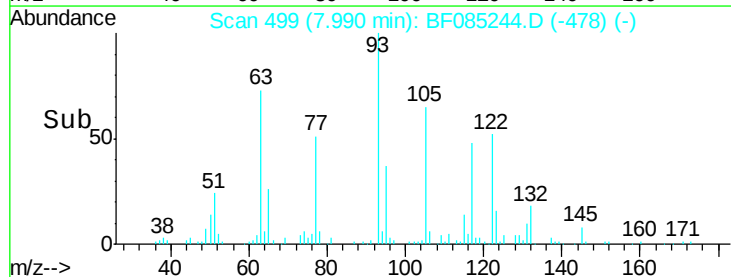
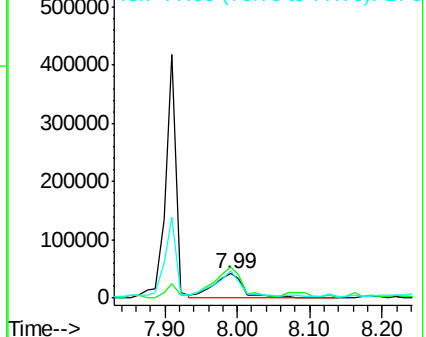
77 109.7 74.7 114.7

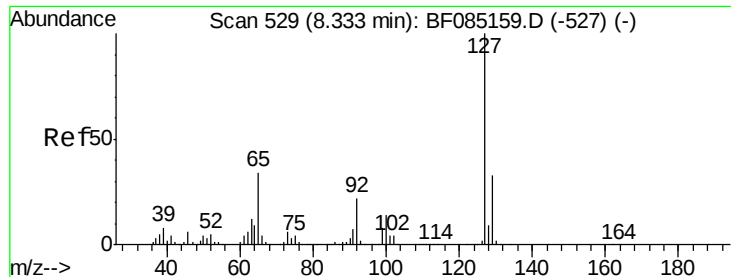


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

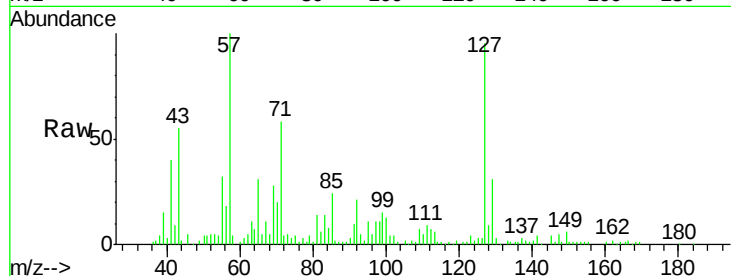




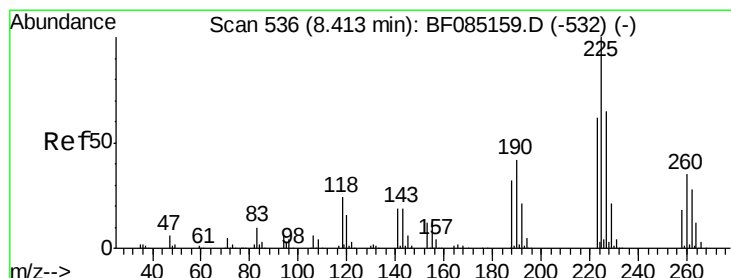
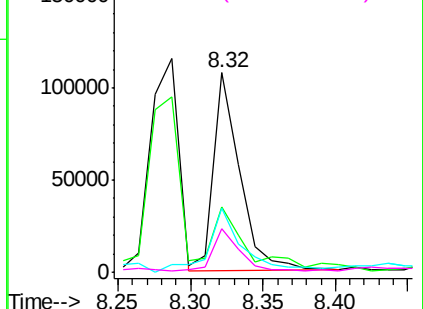
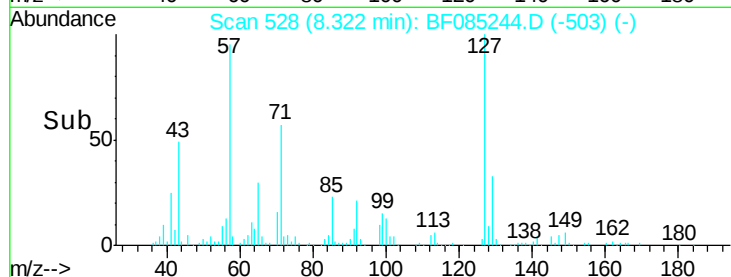
#33
4-Chloroaniline
Concen: 13.54 ng
RT: 8.32 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tgt Ion:	127	Resp:	134184
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	32.1	27.0	40.6
92	21.8	17.4	26.0

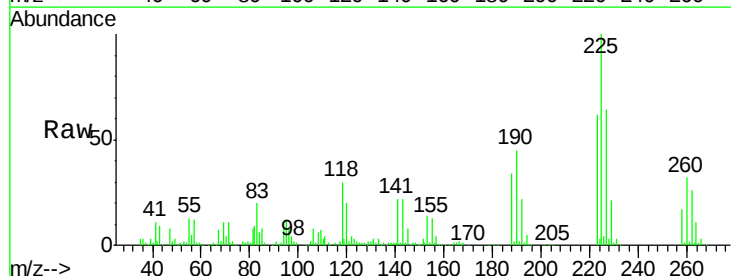


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

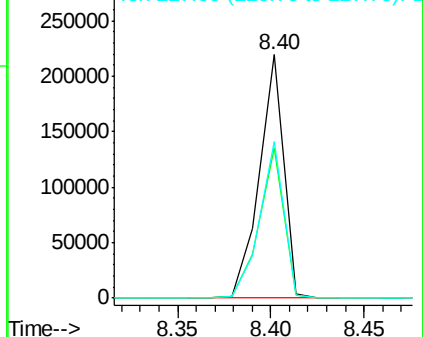
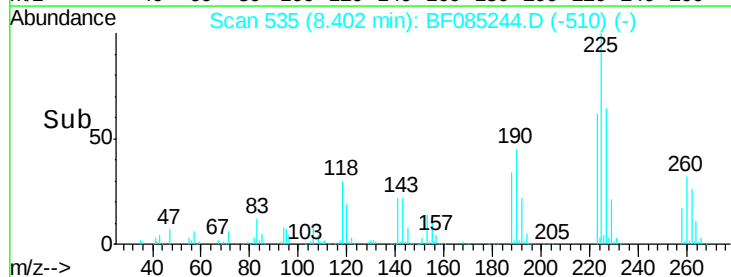


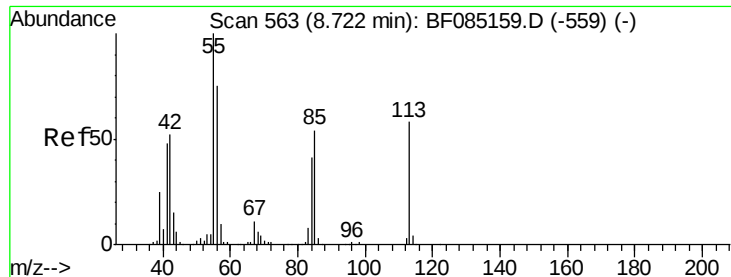
#34
Hexachlorobutadiene
Concen: 51.77 ng
RT: 8.40 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion:	225	Resp:	197626
Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.7	74.5
227	64.2	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





#35

Caprolactam

Concen: 58.53 ng

RT: 8.69 min Scan# 560

Delta R.T. -0.03 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

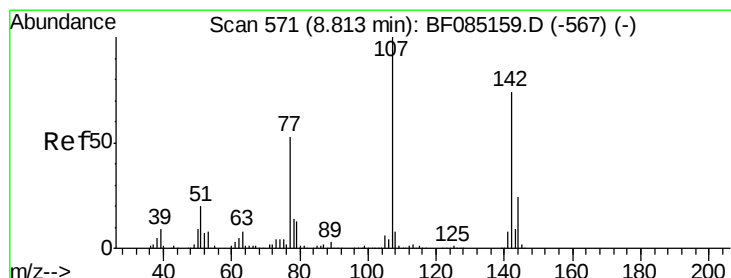
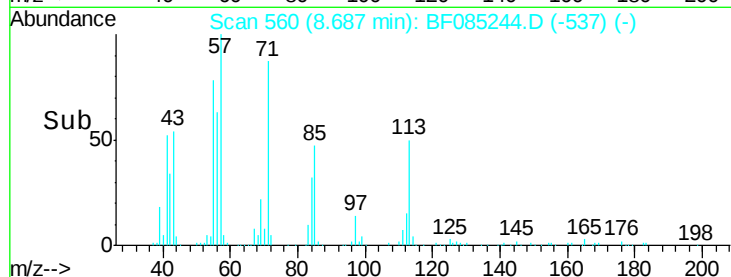
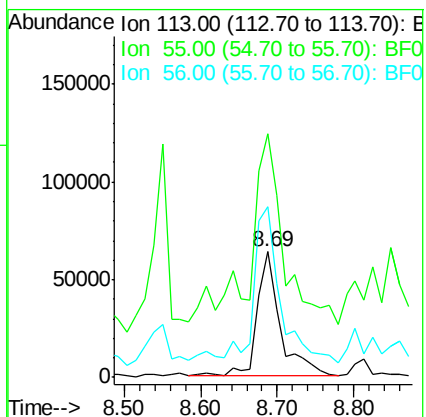
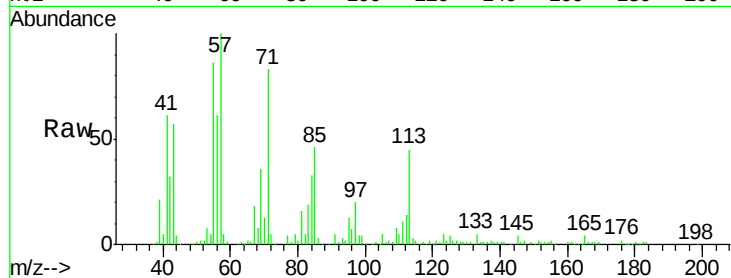
Tgt Ion:113 Resp: 129711

Ion Ratio Lower Upper

113 100

55 193.6 152.7 192.7#

56 136.2 109.0 149.0



#36

4-Chloro-3-methylphenol

Concen: 46.42 ng

RT: 8.81 min Scan# 571

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

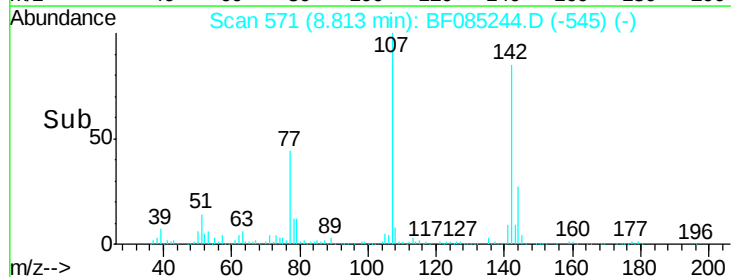
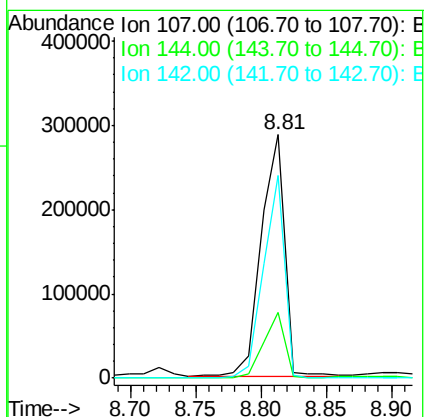
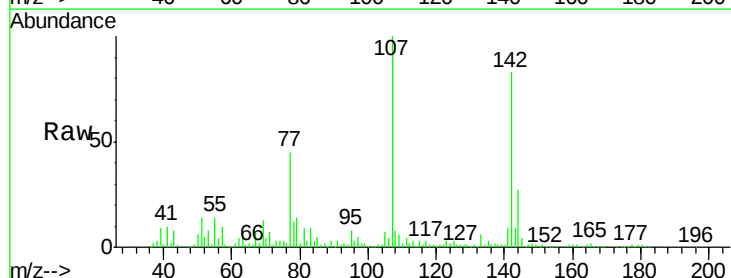
Tgt Ion:107 Resp: 357394

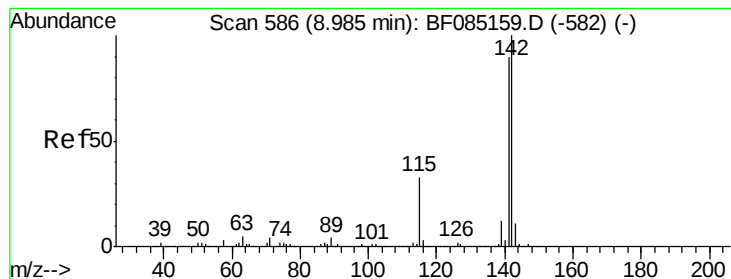
Ion Ratio Lower Upper

107 100

144 27.0 19.4 29.2

142 83.3 59.4 89.2

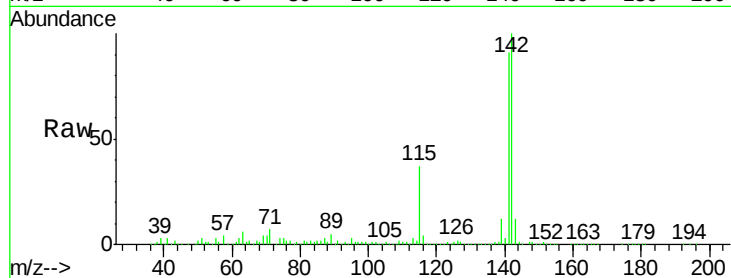




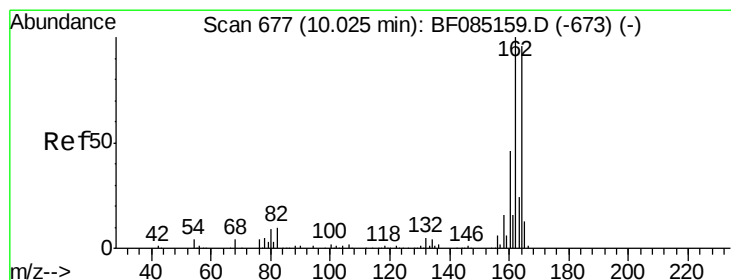
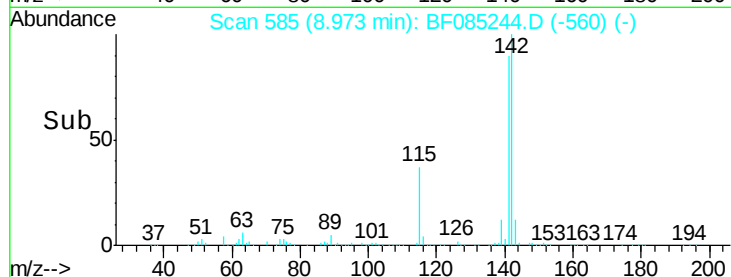
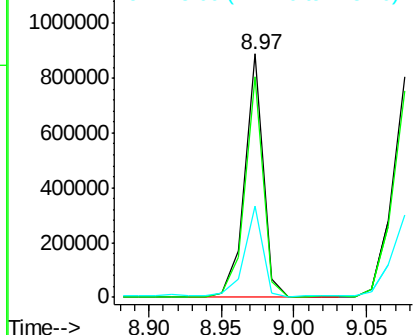
#37
2-Methylnaphthalene
Concen: 49.51 ng
RT: 8.97 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tgt Ion:142 Resp: 778611
Ion Ratio Lower Upper
142 100
141 90.6 71.7 107.5
115 37.5 26.2 39.4

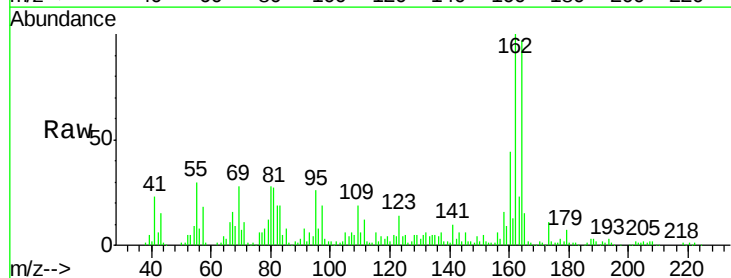


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

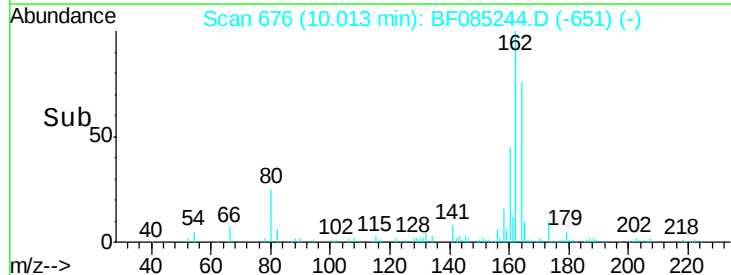
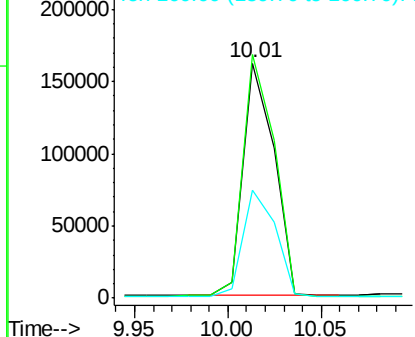


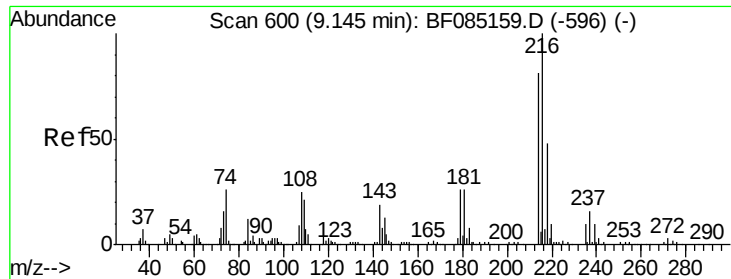
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion:164 Resp: 188935
Ion Ratio Lower Upper
164 100
162 103.6 83.3 124.9
160 46.1 37.9 56.9



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

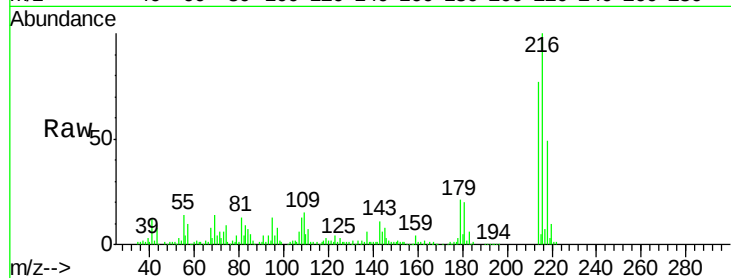




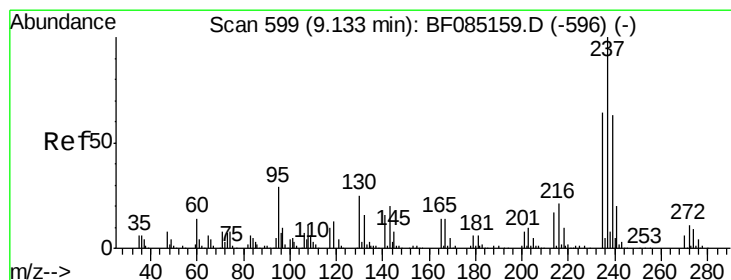
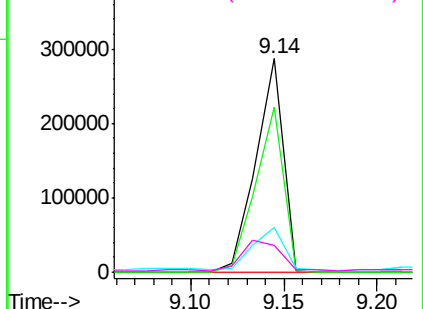
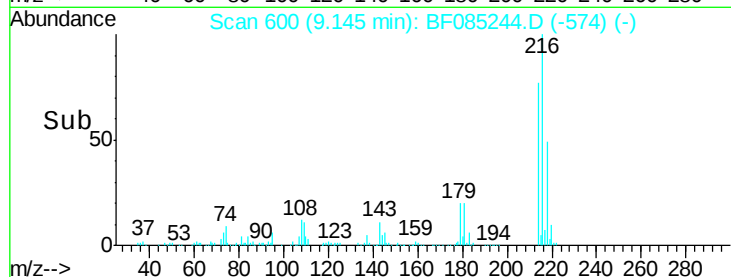
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 54.02 ng
 RT: 9.14 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

Tgt Ion:	216	Resp:	291882
Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.8	95.6
179	26.5	19.6	29.4
108	20.3	19.6	29.4

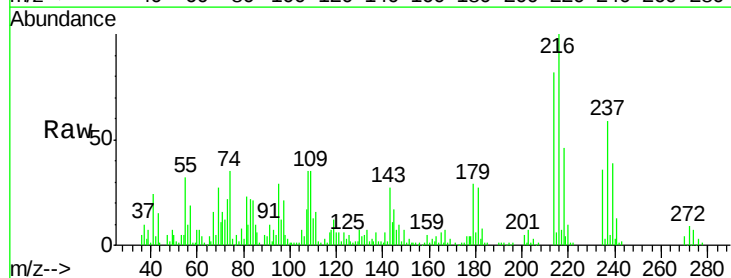


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

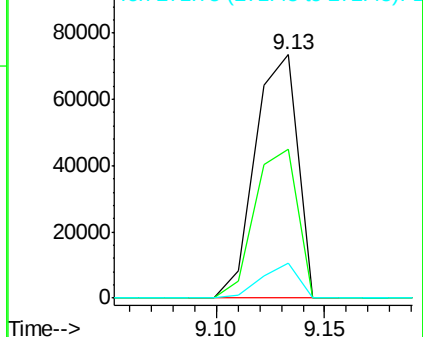
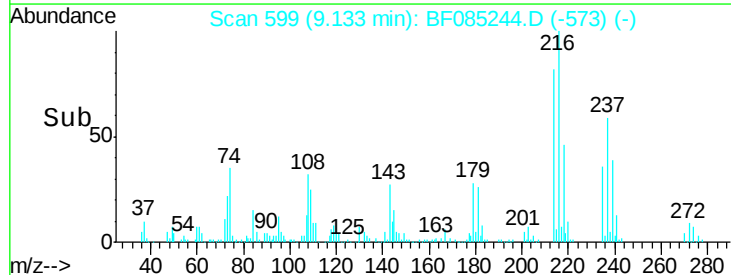


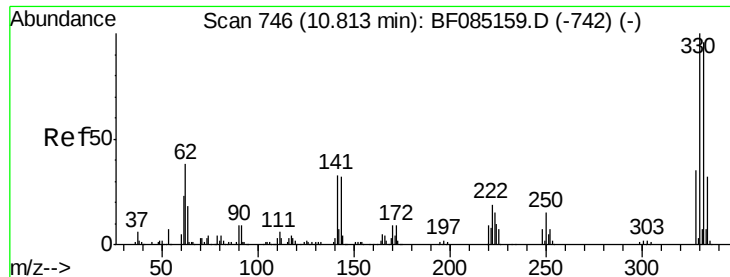
#40
 Hexachlorocyclopentadiene
 Concen: 34.39 ng
 RT: 9.13 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion:	237	Resp:	100212
Ion	Ratio	Lower	Upper
237	100		
235	61.3	43.7	83.7
272	14.6	0.0	31.5



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

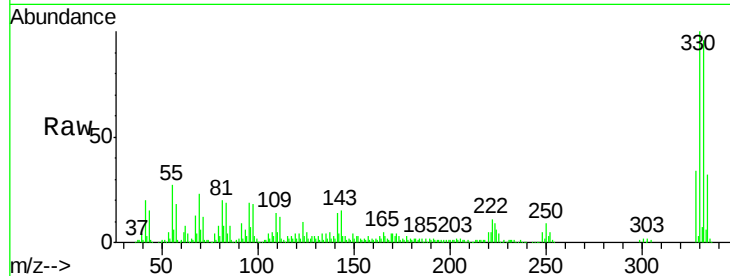




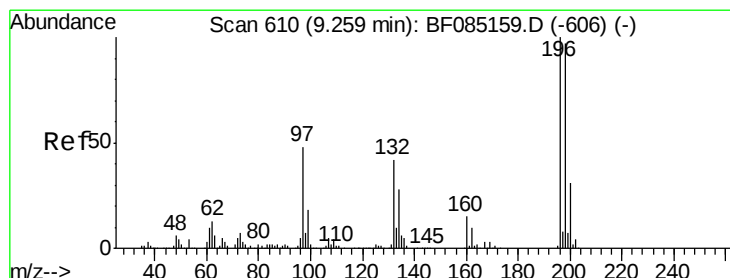
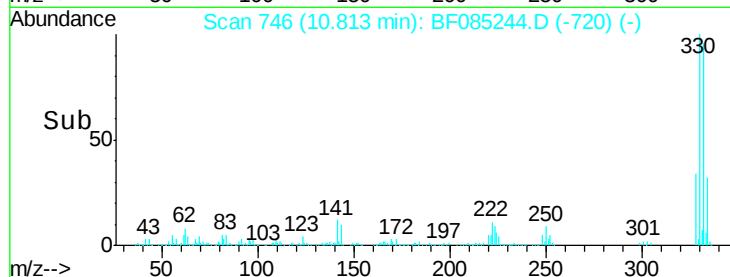
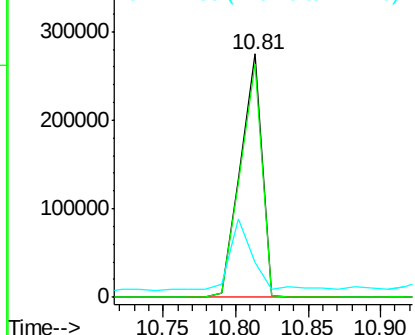
#41
 2,4,6-Tribromophenol
 Concen: 176.57 ng
 RT: 10.81 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

Tgt Ion:330 Resp: 285453
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.1 115.7
 141 34.3 35.0 52.6#

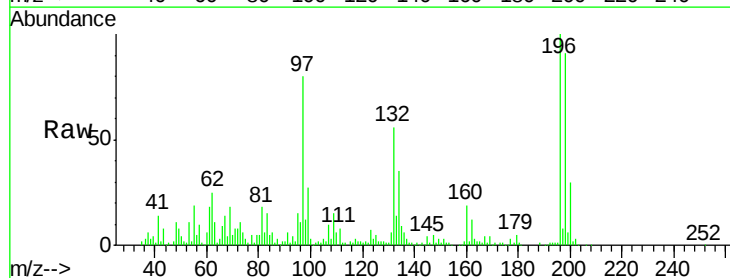


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

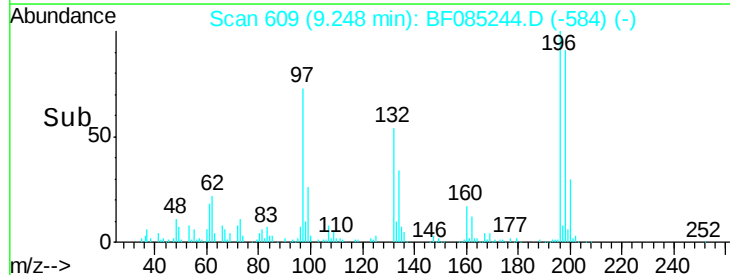
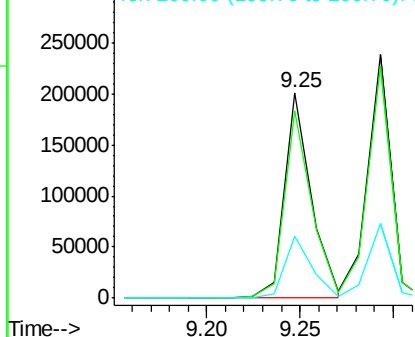


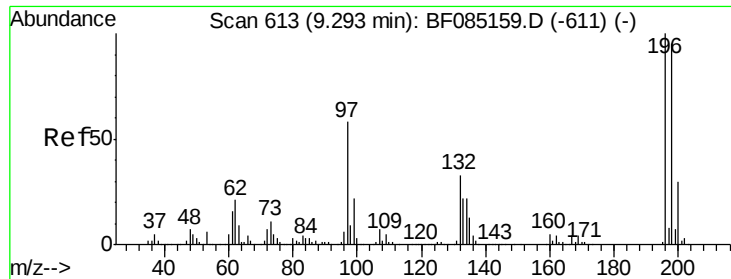
#42
 2,4,6-Trichlorophenol
 Concen: 49.77 ng
 RT: 9.25 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion:196 Resp: 200171
 Ion Ratio Lower Upper
 196 100
 198 91.1 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

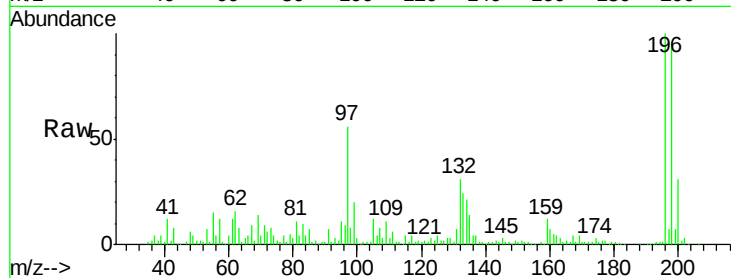




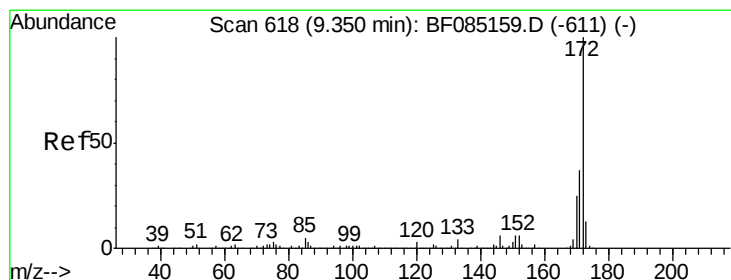
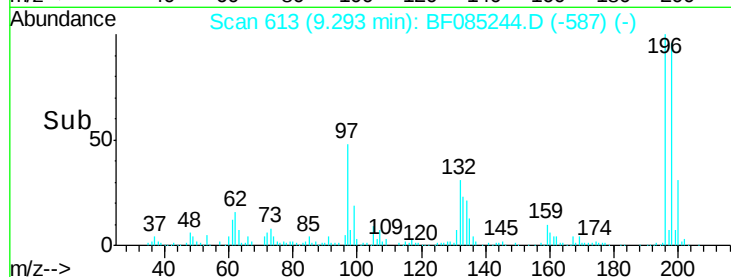
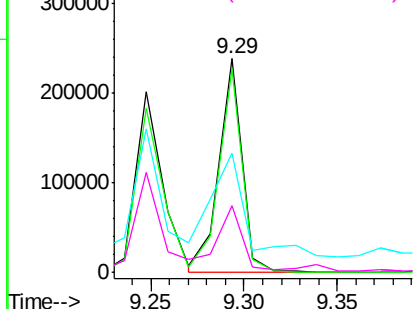
#43
 2,4,5-Trichlorophenol
 Concen: 53.42 ng
 RT: 9.29 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

Tgt Ion:196 Resp: 203722
 Ion Ratio Lower Upper
 196 100
 198 95.6 75.7 113.5
 97 55.9 46.4 69.6
 132 31.0 26.2 39.4

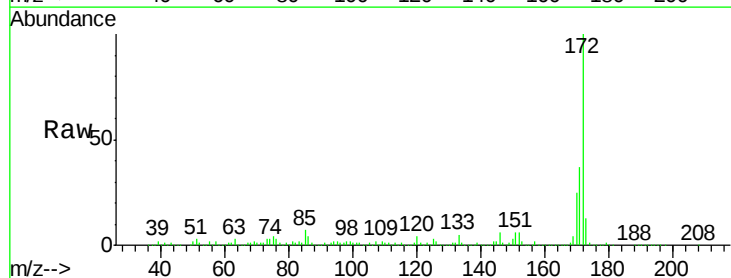


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

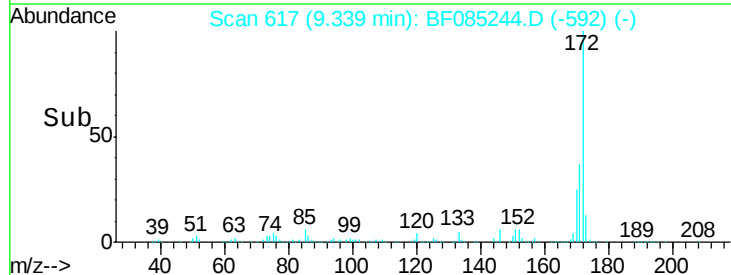
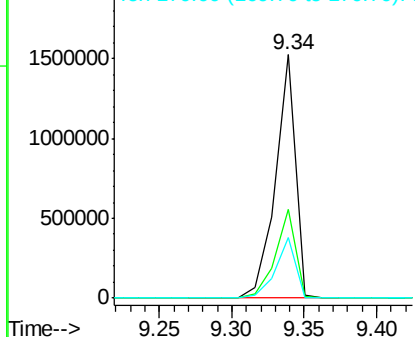


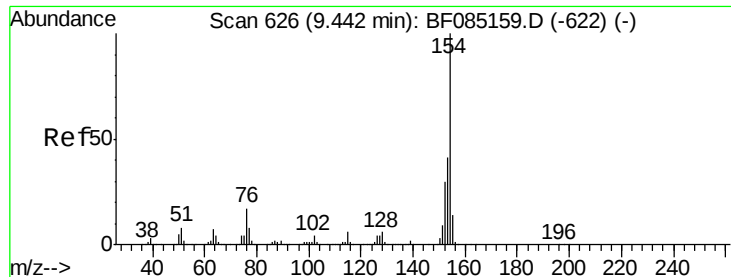
#44
 2-Fluorobiphenyl
 Concen: 117.77 ng
 RT: 9.34 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion:172 Resp: 1463063
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.3 43.9
 170 24.9 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

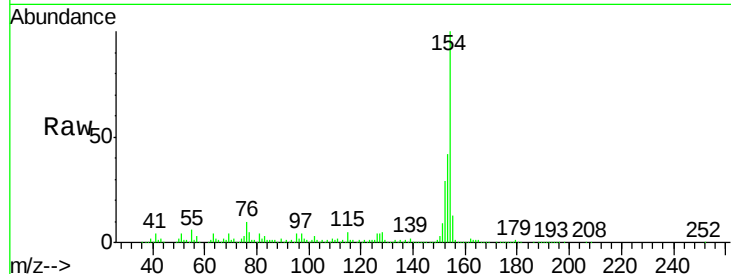




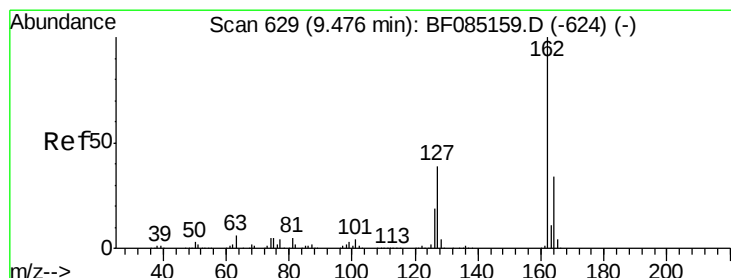
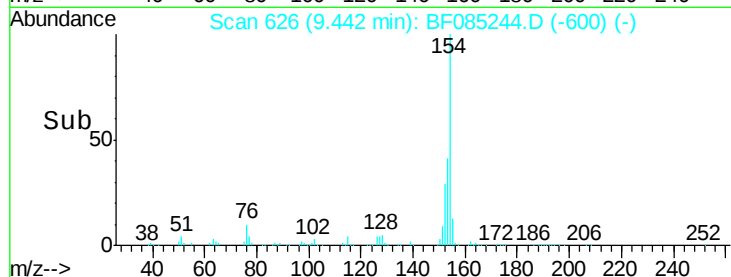
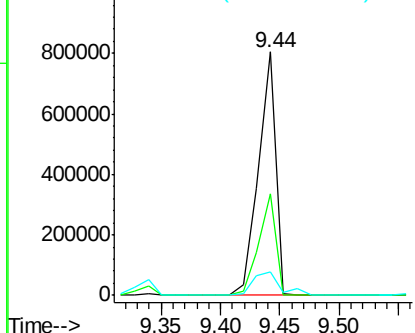
#45
1,1'-Biphenyl
Concen: 50.80 ng
RT: 9.44 min Scan# 626
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tgt Ion:154 Resp: 820060
Ion Ratio Lower Upper
154 100
153 41.5 21.4 61.4
76 9.7 0.0 37.5

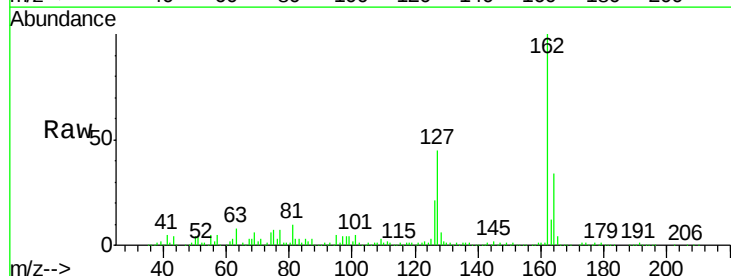


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

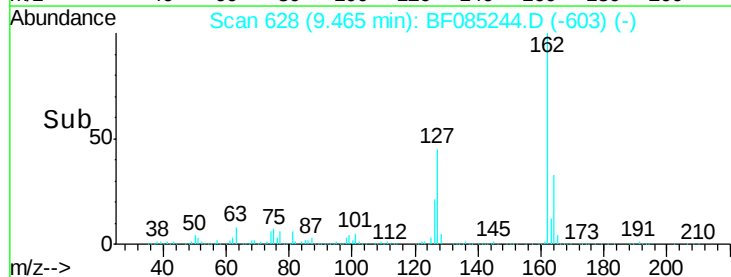
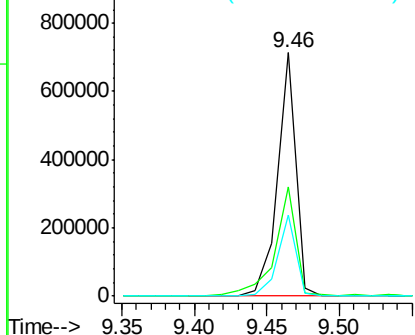


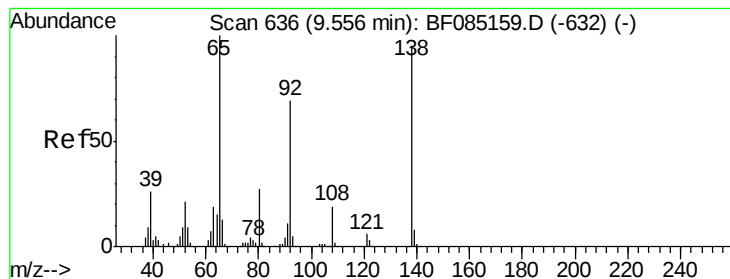
#46
2-Chloronaphthalene
Concen: 50.52 ng
RT: 9.46 min Scan# 628
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion:162 Resp: 621616
Ion Ratio Lower Upper
162 100
127 44.9 31.6 47.4
164 33.5 27.1 40.7



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 56.09 ng

RT: 9.56 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

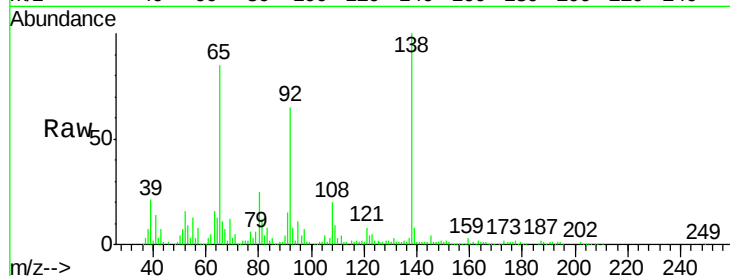
Tgt Ion: 65 Resp: 213848

Ion Ratio Lower Upper

65 100

92 76.5 55.4 83.2

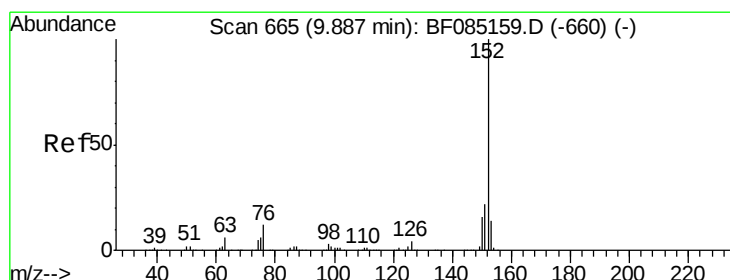
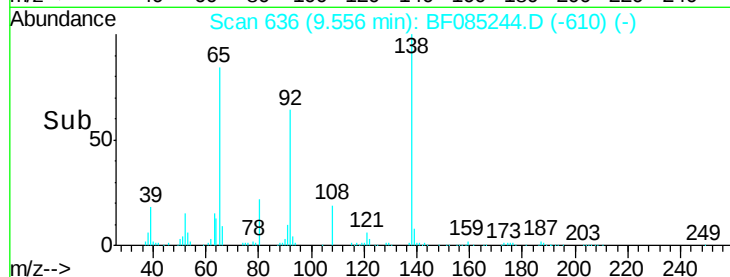
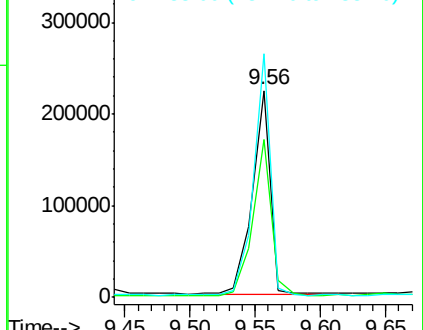
138 117.7 75.7 113.5#



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: 46.10 ng

RT: 9.88 min Scan# 664

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

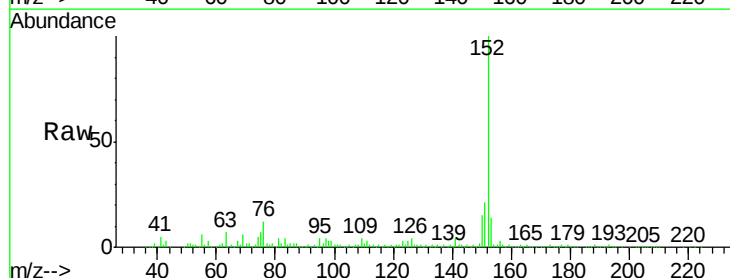
Tgt Ion:152 Resp: 882789

Ion Ratio Lower Upper

152 100

151 21.0 17.5 26.3

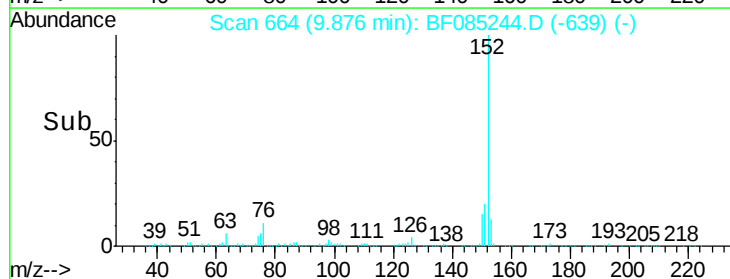
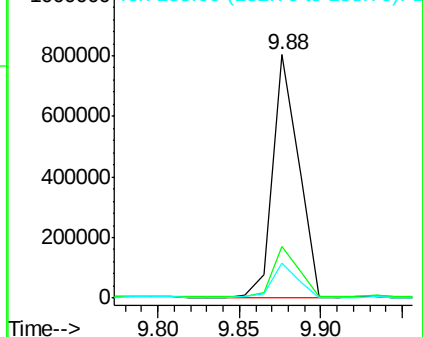
153 14.2 11.3 16.9

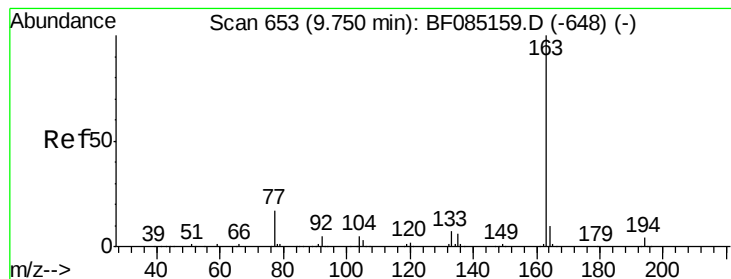


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 59.75 ng

RT: 9.74 min Scan# 652

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

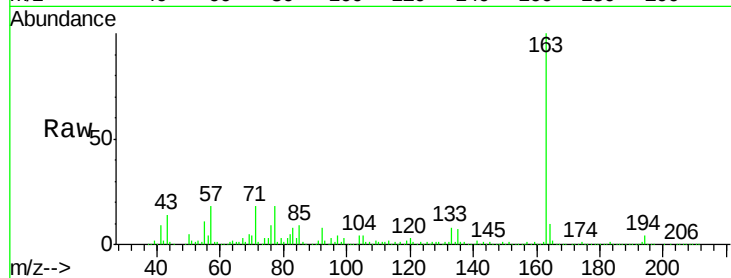
Tgt Ion:163 Resp: 866428

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

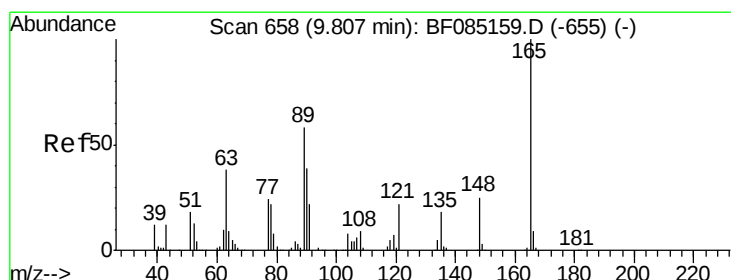
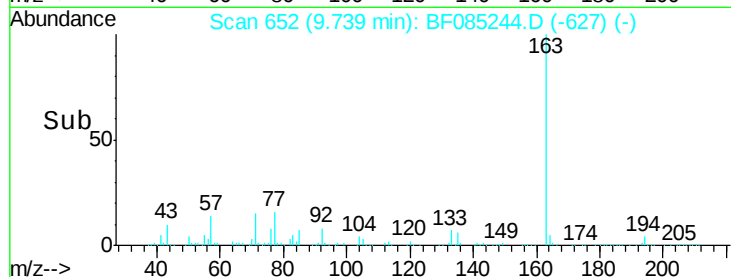
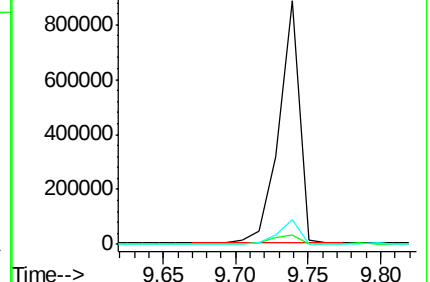
164 10.2 8.2 12.4



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: 46.62 ng

RT: 9.80 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

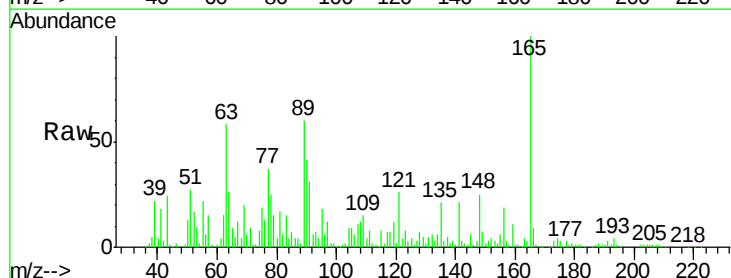
Tgt Ion:165 Resp: 144643

Ion Ratio Lower Upper

165 100

63 57.5 41.8 62.8

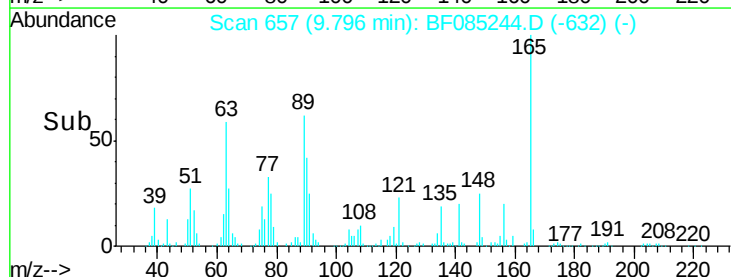
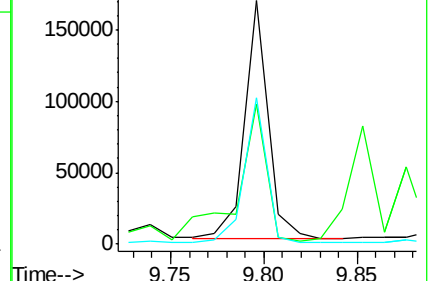
89 59.9 46.7 70.1

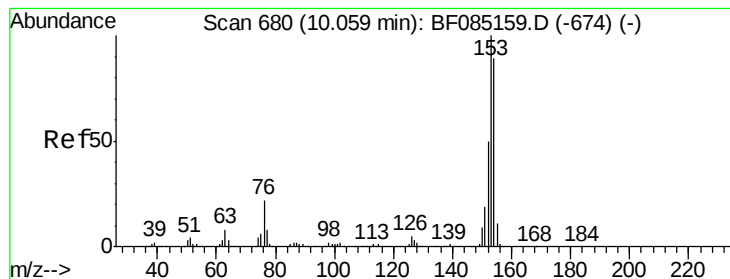


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 44.67 ng

RT: 10.05 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

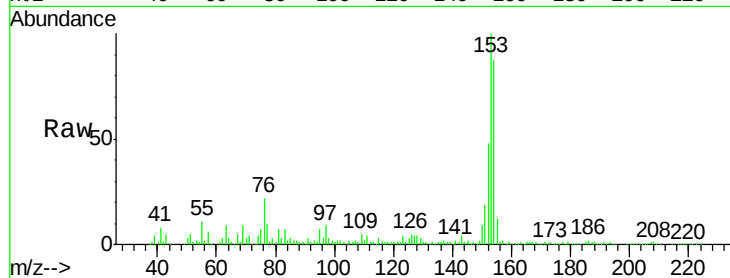
Tgt Ion:154 Resp: 519347

Ion Ratio Lower Upper

154 100

153 115.1 89.8 134.8

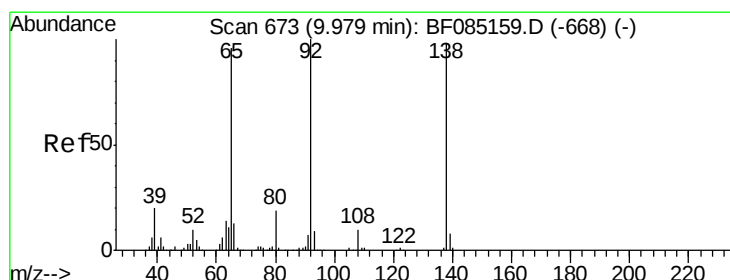
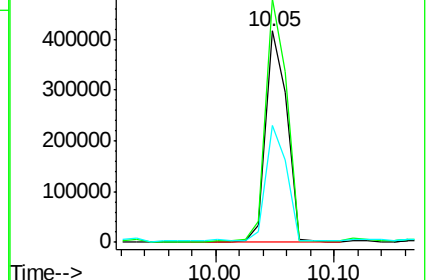
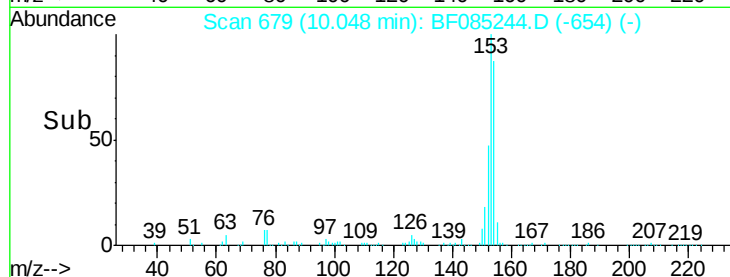
152 55.5 44.6 66.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 37.23 ng

RT: 9.97 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

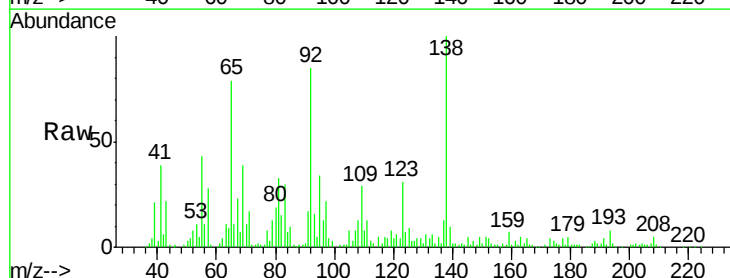
Tgt Ion:138 Resp: 138171

Ion Ratio Lower Upper

138 100

108 12.5 7.8 11.6#

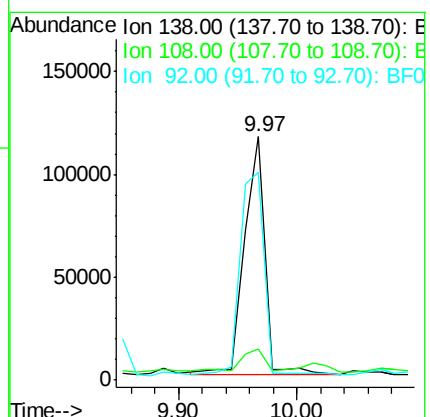
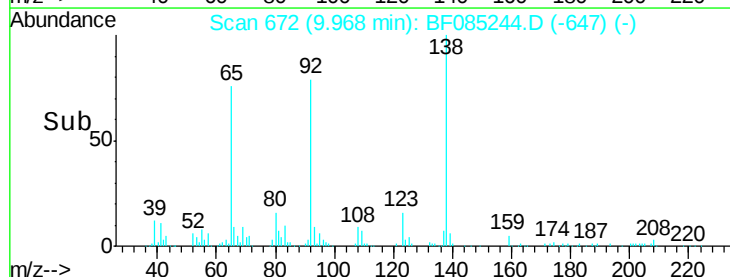
92 85.4 81.3 121.9

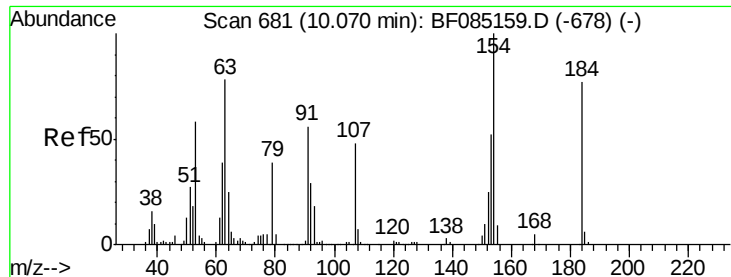


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

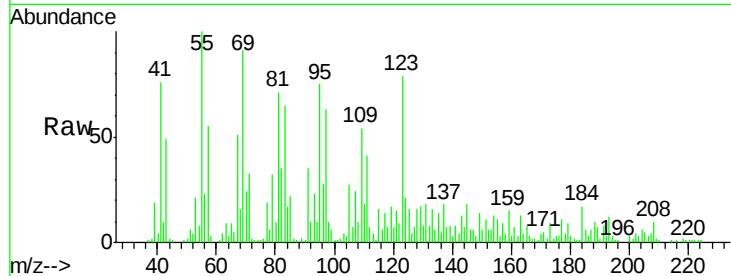




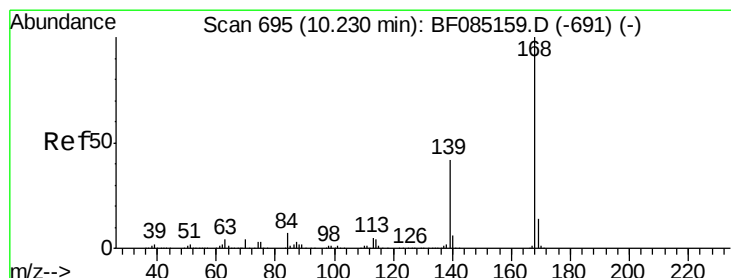
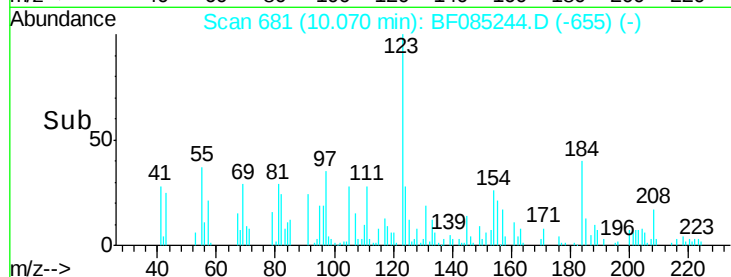
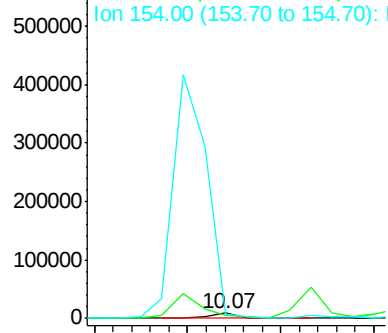
#53
2,4-Dinitrophenol
Concen: 13.35 ng
RT: 10.07 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tgt Ion:184 Resp: 9308
Ion Ratio Lower Upper
184 100
63 56.3 82.2 123.4#
154 77.1 108.9 163.3#

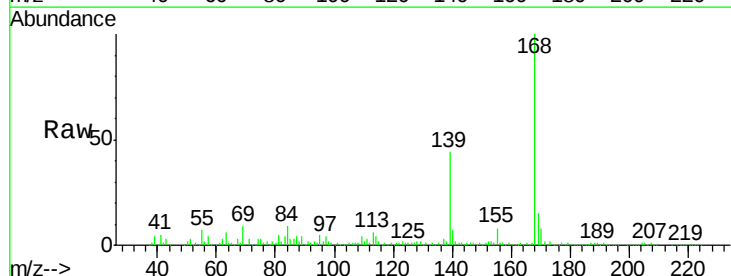


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

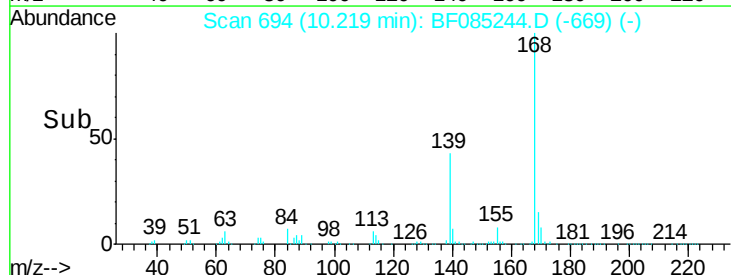
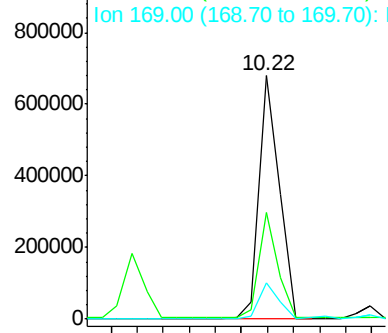


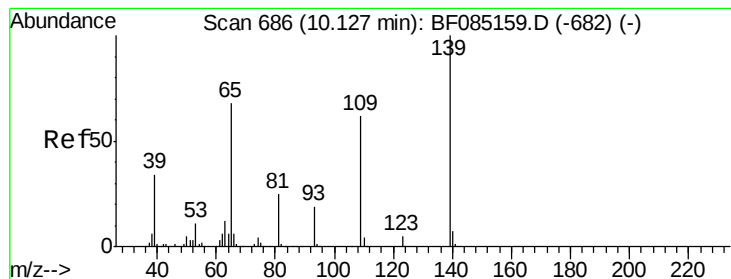
#54
Dibenzofuran
Concen: 48.63 ng
RT: 10.22 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion:168 Resp: 740758
Ion Ratio Lower Upper
168 100
139 43.6 33.6 50.4
169 15.2 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: 68.70 ng

RT: 10.12 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

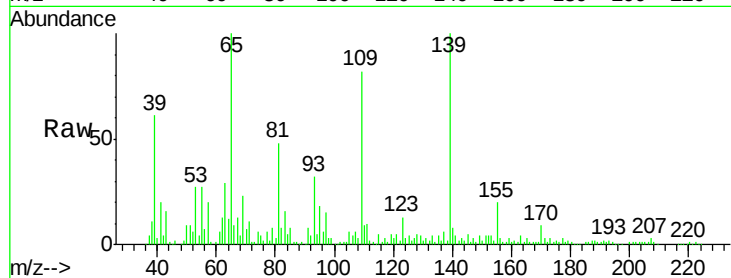
Tgt Ion:139 Resp: 200397

Ion Ratio Lower Upper

139 100

109 82.3 41.9 81.9#

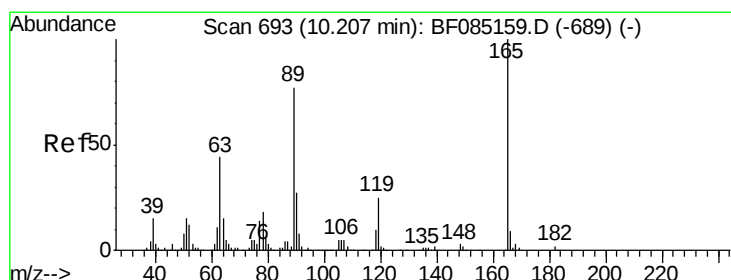
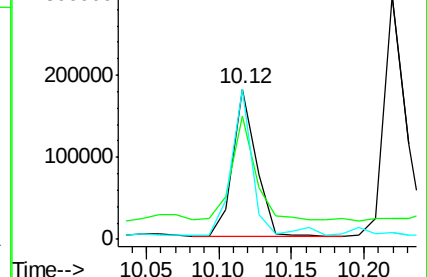
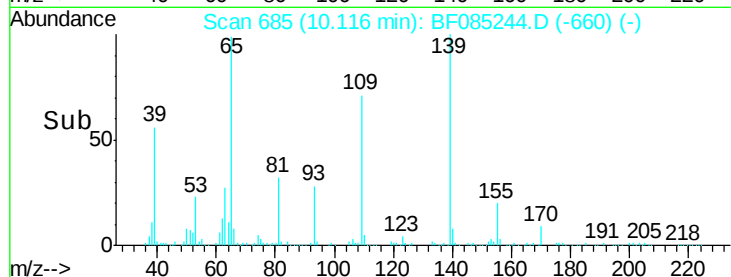
65 99.6 48.3 88.3#



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: 43.15 ng

RT: 10.20 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:165 Resp: 171336

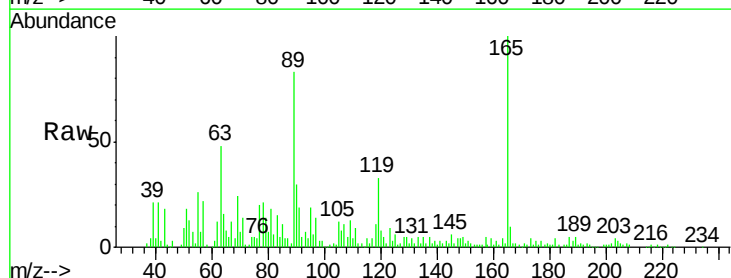
Ion Ratio Lower Upper

165 100

63 48.4 35.4 53.0

89 82.7 61.9 92.9

182 3.8 1.9 2.9#

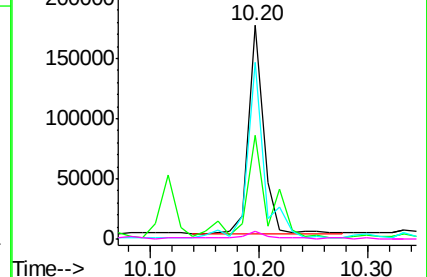
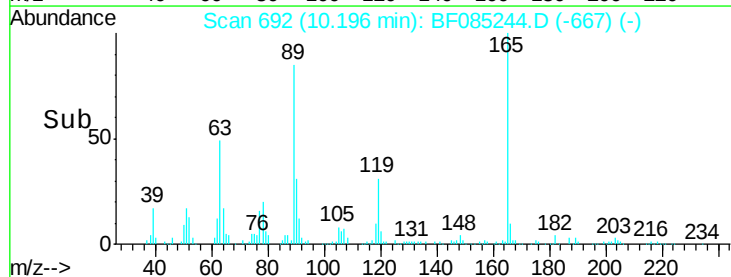


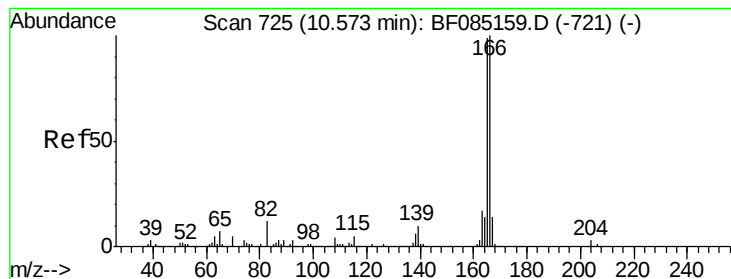
Abundance Ion 165.00 (164.70 to 165.70): E

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: 45.82 ng

RT: 10.56 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

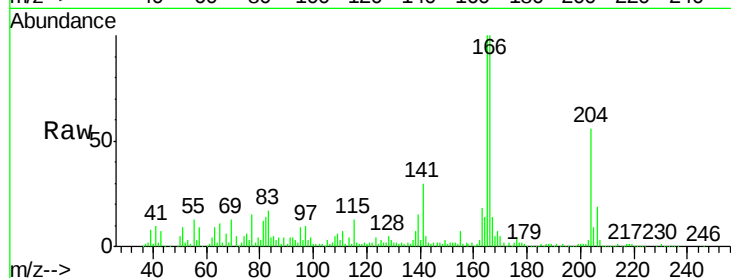
Tgt Ion:166 Resp: 548280

Ion Ratio Lower Upper

166 100

165 99.7 79.4 119.0

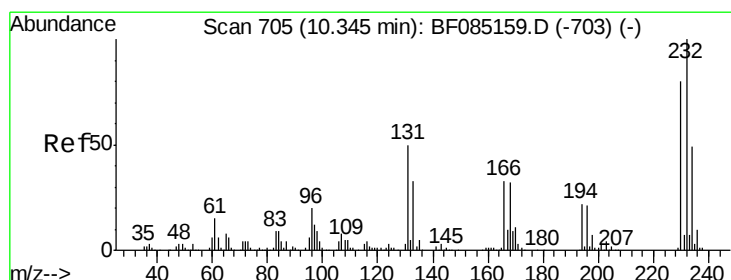
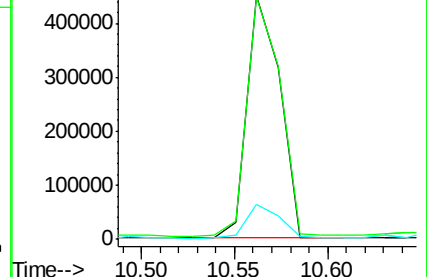
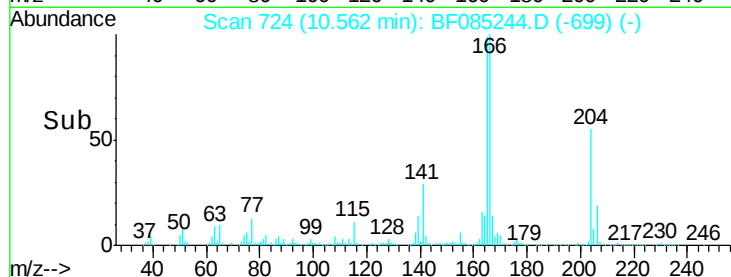
167 14.5 11.0 16.6



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: 48.61 ng

RT: 10.34 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Tgt Ion:232 Resp: 130231

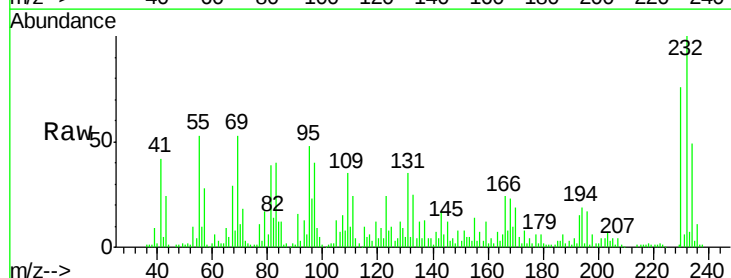
Ion Ratio Lower Upper

232 100

131 51.7 46.0 69.0

130 6.9 2.2 3.4#

166 33.3 28.8 43.2

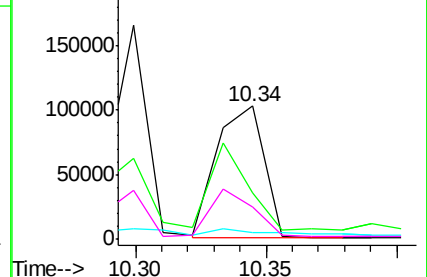
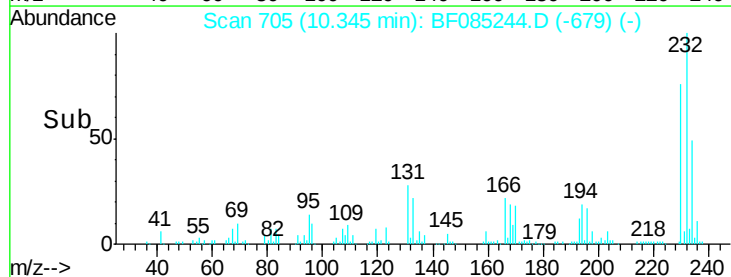


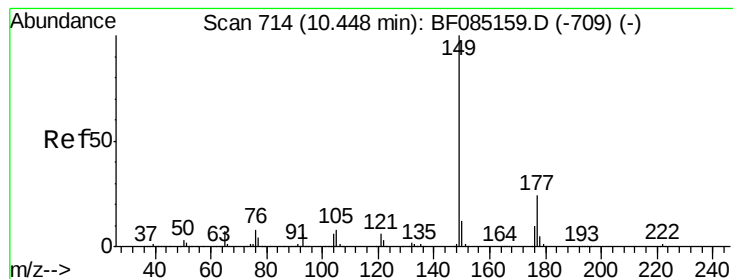
Abundance Ion 232.00 (231.70 to 232.70): E

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: 48.28 ng

RT: 10.44 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

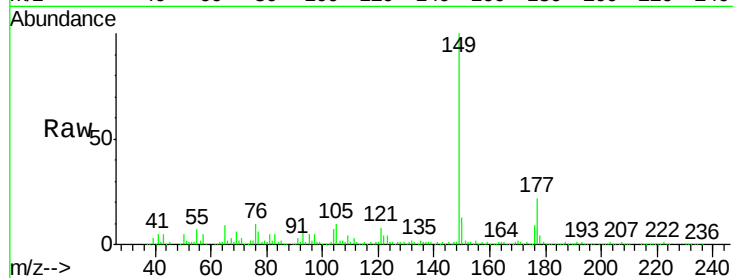
Tgt Ion:149 Resp: 679395

Ion Ratio Lower Upper

149 100

177 22.1 19.2 28.8

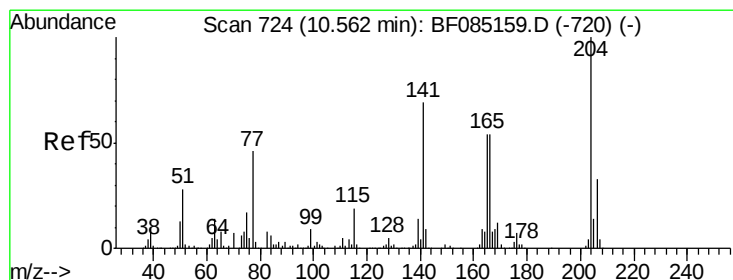
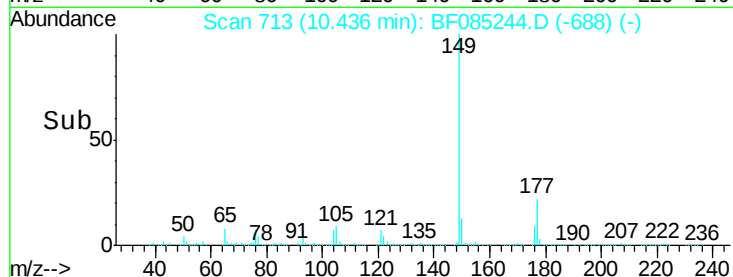
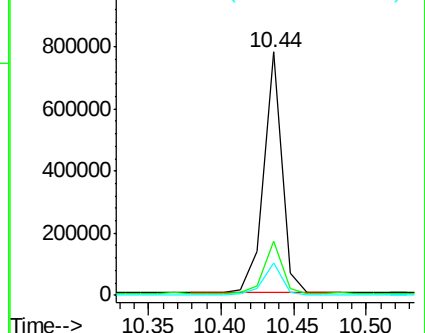
150 13.1 9.9 14.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 49.73 ng

RT: 10.56 min Scan# 724

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

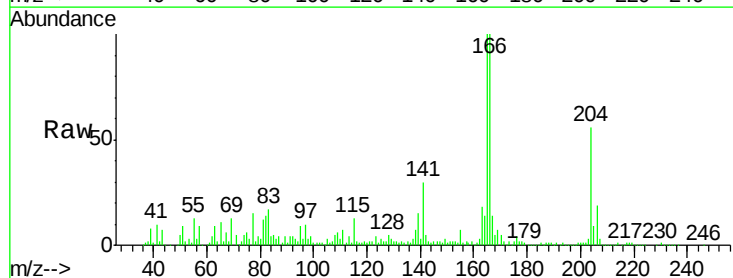
Tgt Ion:204 Resp: 289548

Ion Ratio Lower Upper

204 100

206 33.5 26.5 39.7

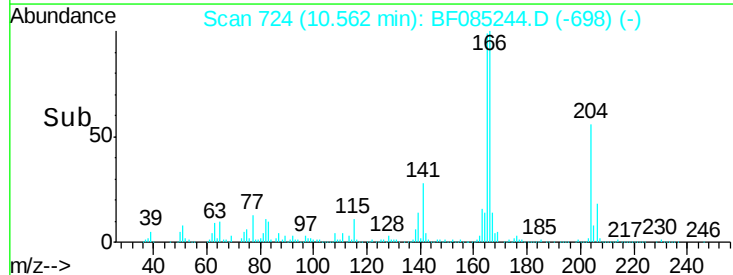
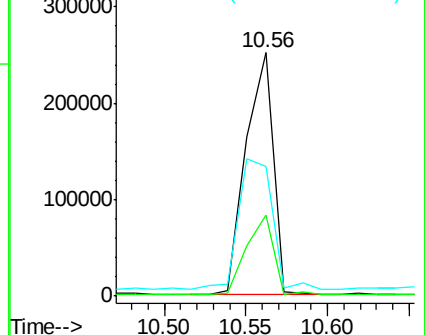
141 53.4 55.4 83.2#

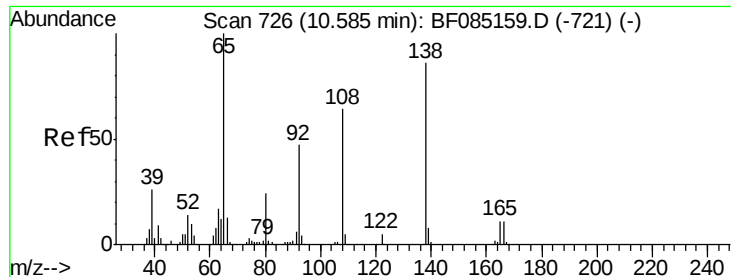


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

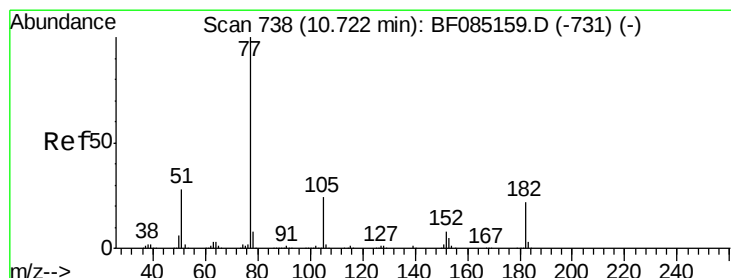
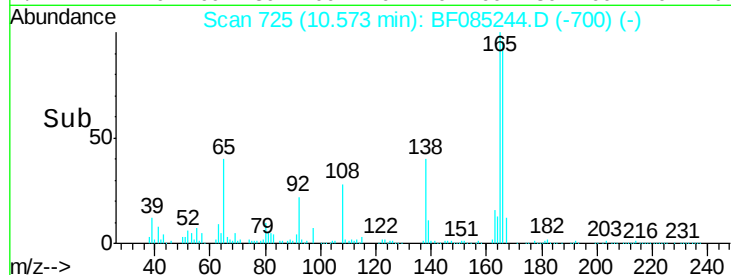
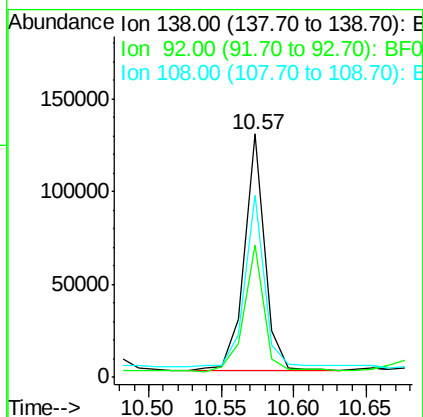
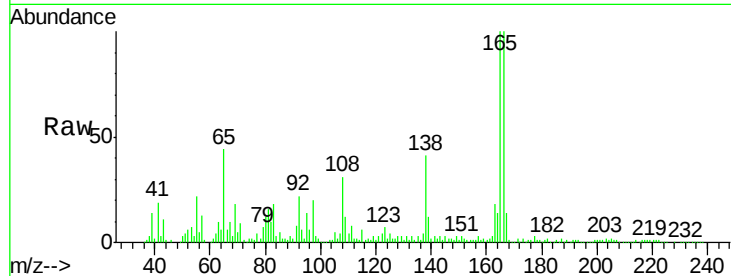




#61
4-Nitroaniline
Concen: 35.86 ng
RT: 10.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

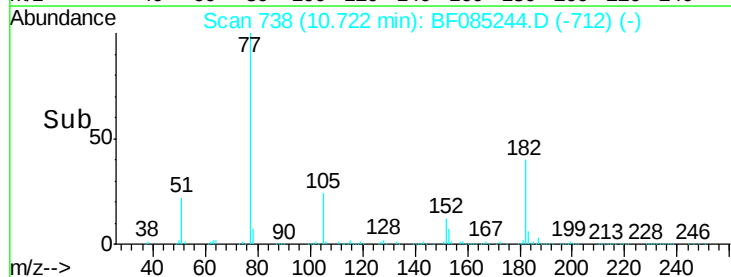
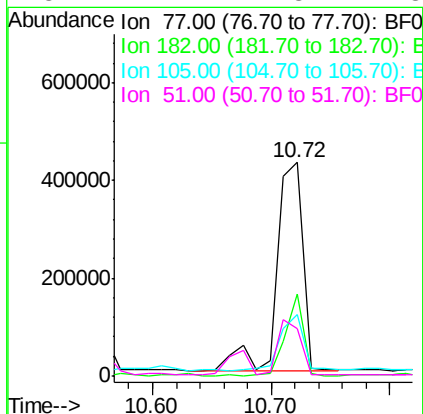
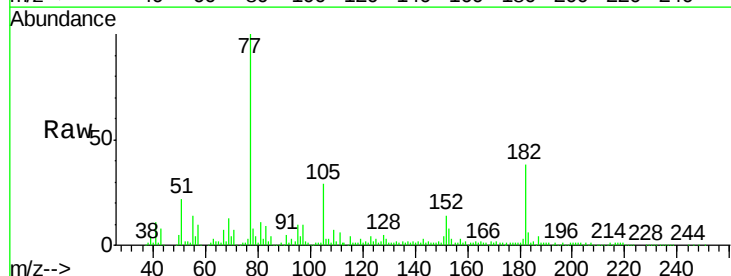
Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

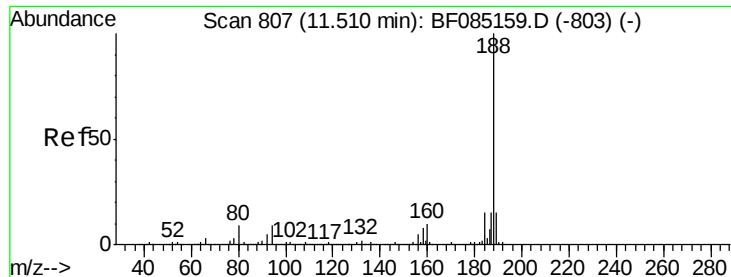
Tgt Ion:138 Resp: 124506
Ion Ratio Lower Upper
138 100
92 54.4 34.2 74.2
108 74.6 53.9 93.9



#62
Azobenzene
Concen: 46.17 ng
RT: 10.72 min Scan# 738
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion: 77 Resp: 640169
Ion Ratio Lower Upper
77 100
182 38.3 2.1 42.1
105 29.0 3.8 43.8
51 22.4 7.8 47.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

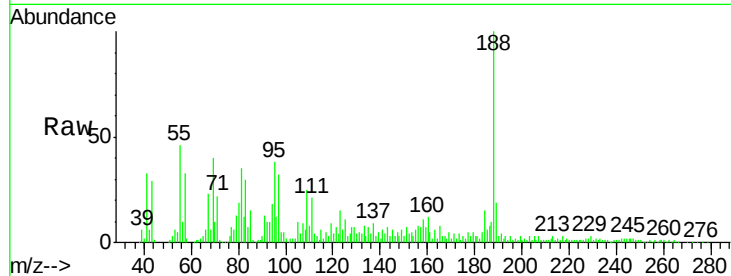
Tgt Ion:188 Resp: 286313

Ion Ratio Lower Upper

188 100

94 17.6 7.0 10.6#

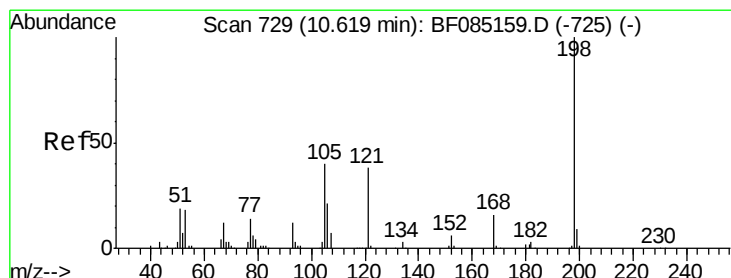
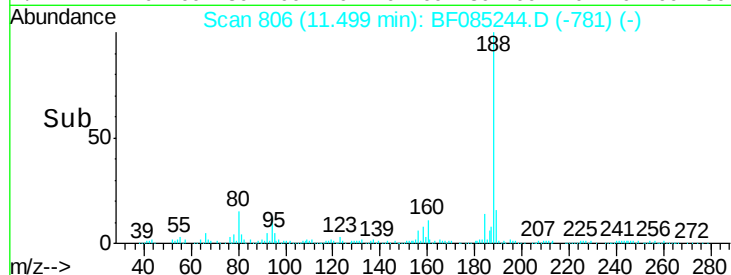
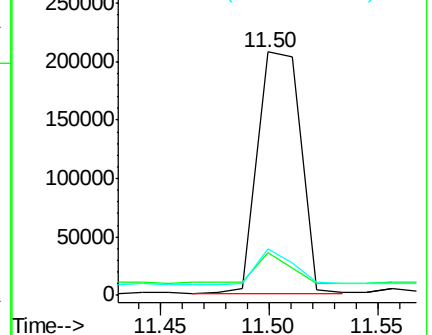
80 19.2 7.4 11.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 10.10 ng

RT: 10.61 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

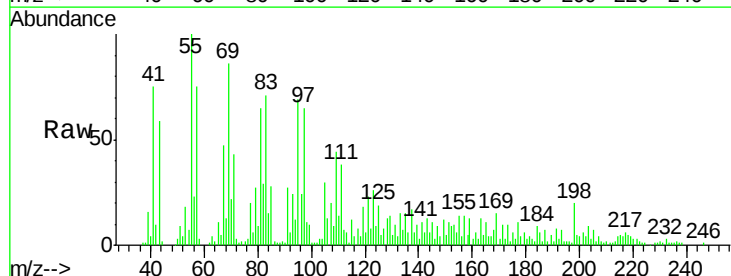
Tgt Ion:198 Resp: 17309

Ion Ratio Lower Upper

198 100

51 46.8 9.5 49.5

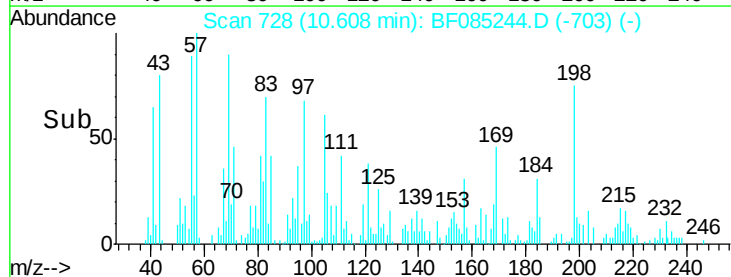
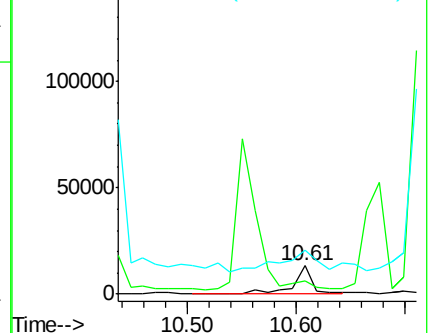
105 152.1 20.5 60.5#

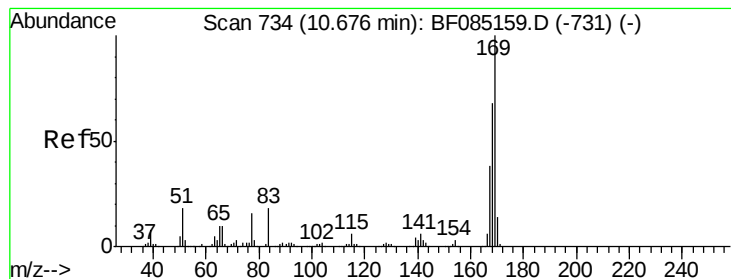


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 63.48 ng

RT: 10.68 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

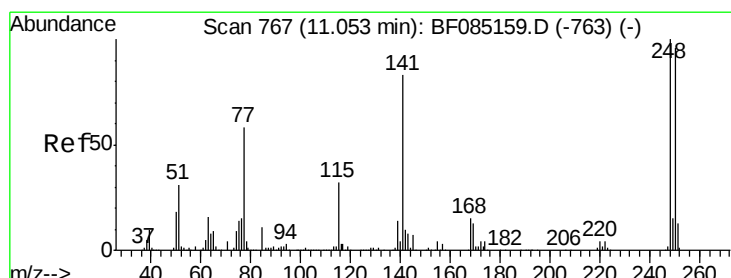
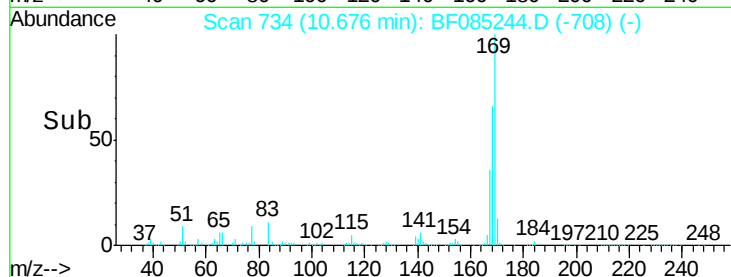
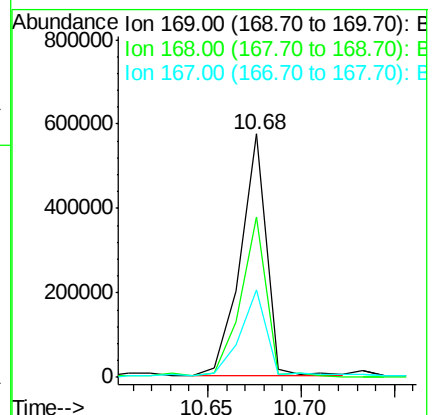
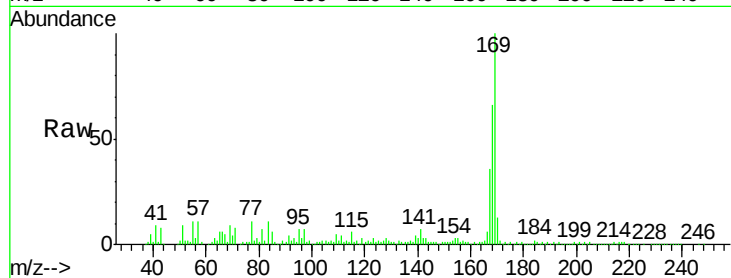
Tgt Ion:169 Resp: 565347

Ion Ratio Lower Upper

169 100

168 66.0 54.8 82.2

167 36.1 30.3 45.5



#66

4-Bromophenyl-phenylether

Concen: 57.89 ng

RT: 11.05 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

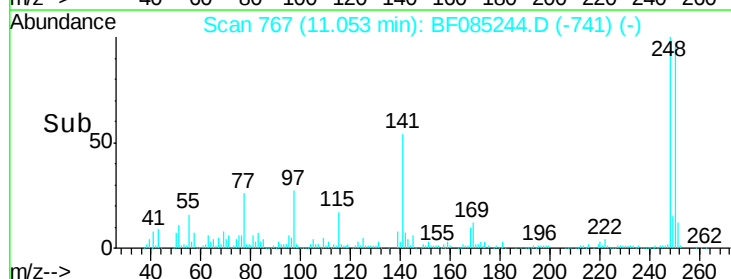
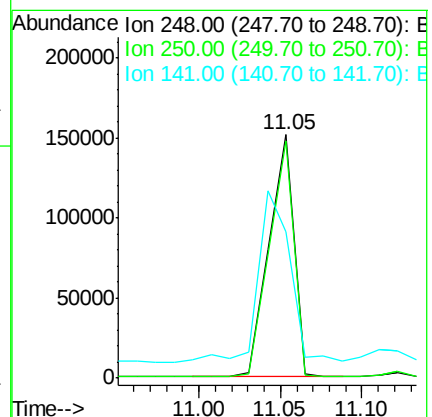
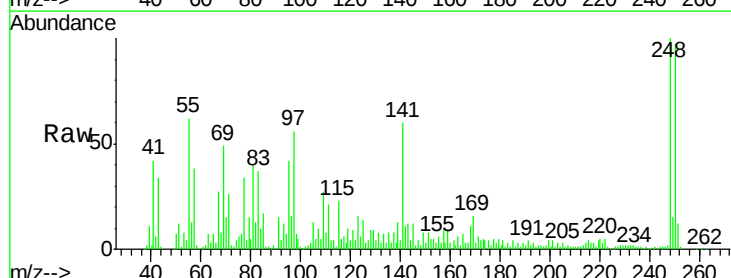
Tgt Ion:248 Resp: 160937

Ion Ratio Lower Upper

248 100

250 97.4 77.1 115.7

141 59.9 66.2 99.2#

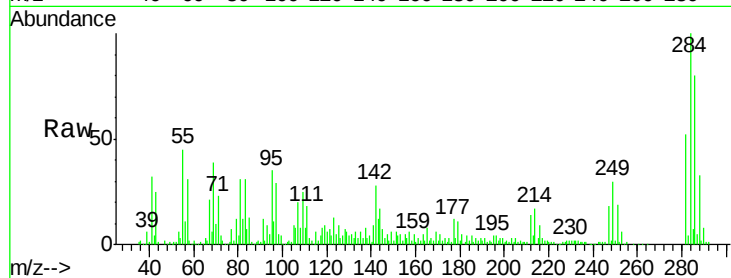




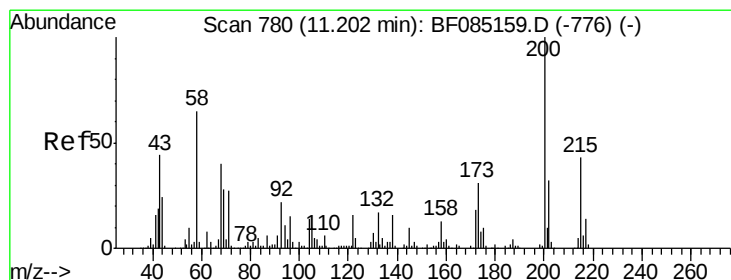
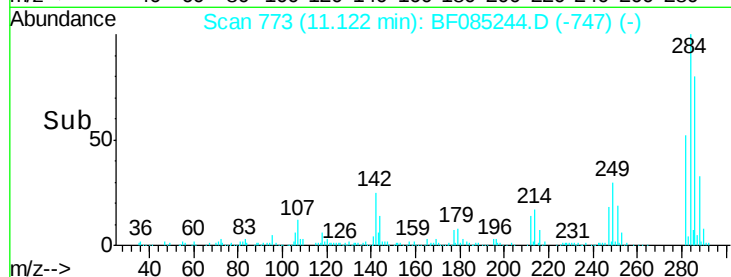
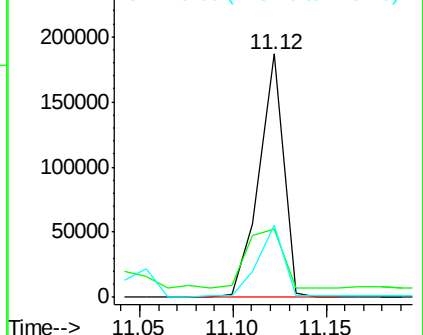
#67
Hexachlorobenzene
Concen: 57.39 ng
RT: 11.12 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

Tgt Ion:284 Resp: 170220
Ion Ratio Lower Upper
284 100
142 28.2 24.9 37.3
249 29.7 25.0 37.4

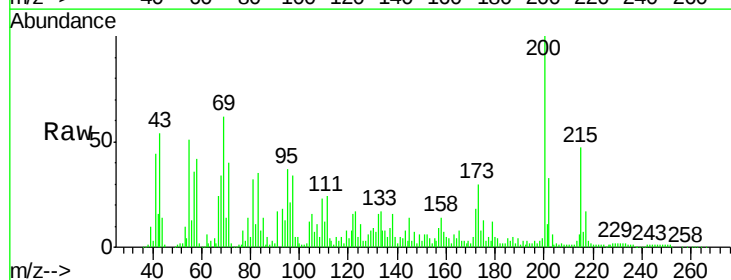


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

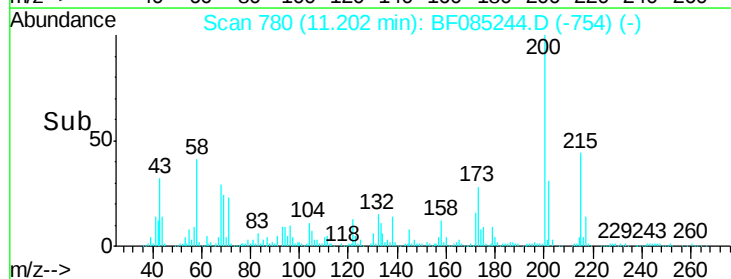
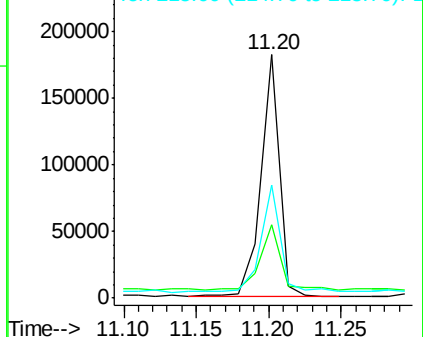


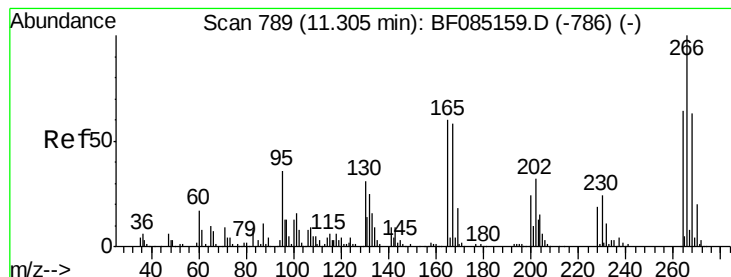
#68
Atrazine
Concen: 64.82 ng
RT: 11.20 min Scan# 780
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion:200 Resp: 160528
Ion Ratio Lower Upper
200 100
173 30.3 10.5 50.5
215 46.5 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: 93.39 ng

RT: 11.30 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

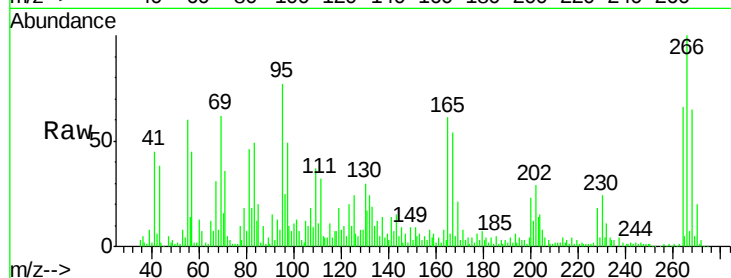
Tgt Ion:266 Resp: 153752

Ion Ratio Lower Upper

266 100

268 64.5 50.0 75.0

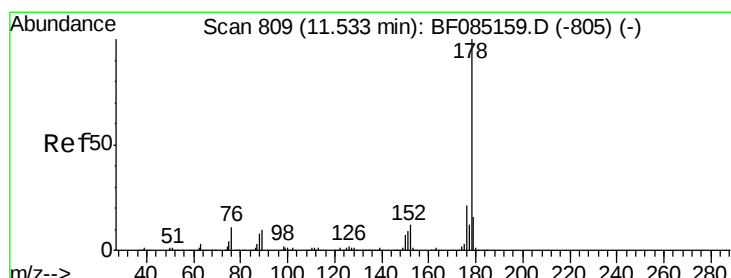
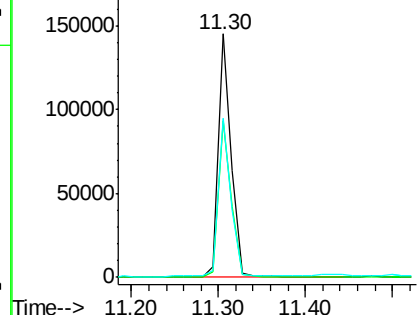
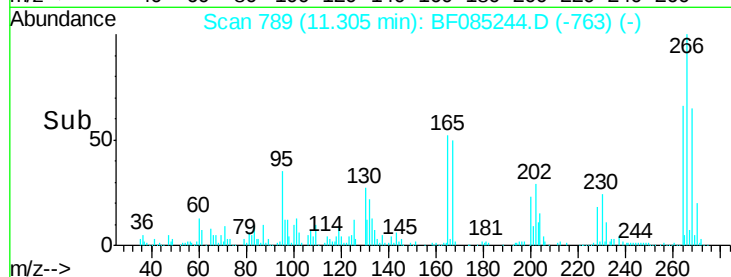
264 65.5 51.4 77.2



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: 52.40 ng

RT: 11.53 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

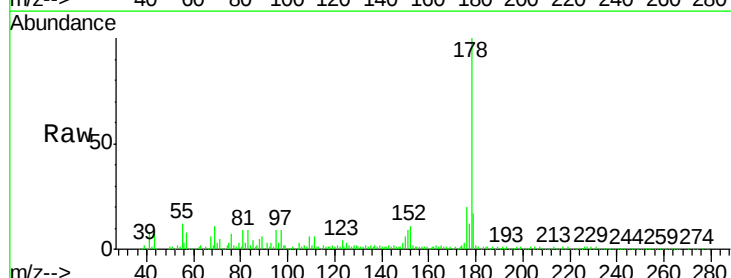
Tgt Ion:178 Resp: 786325

Ion Ratio Lower Upper

178 100

176 19.7 16.8 25.2

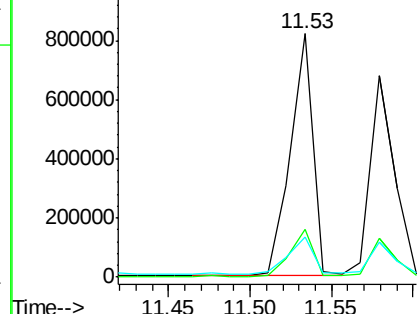
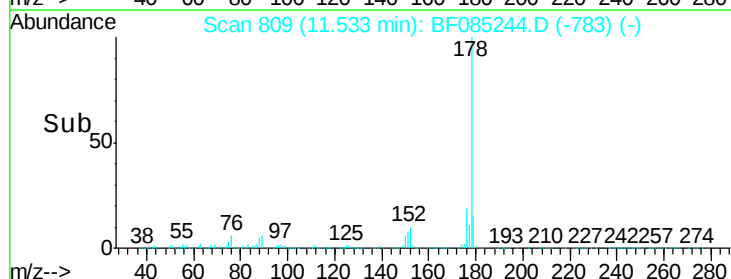
179 16.5 13.1 19.7

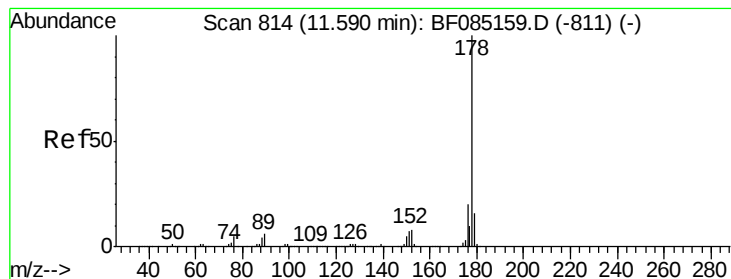


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 43.75 ng

RT: 11.58 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

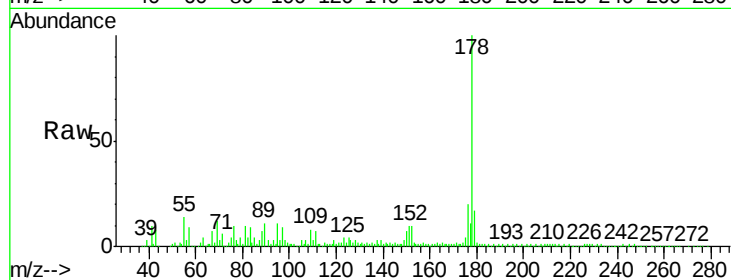
Tgt Ion:178 Resp: 696867

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

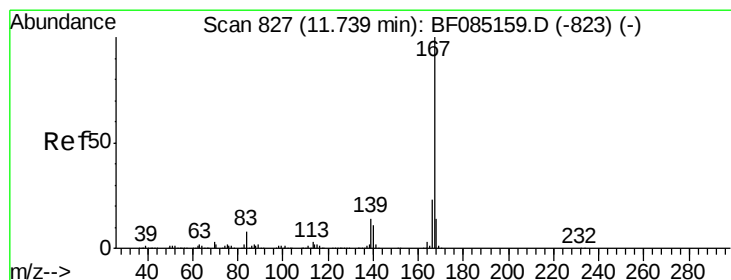
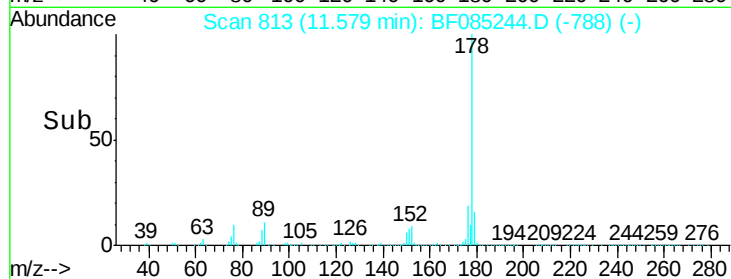
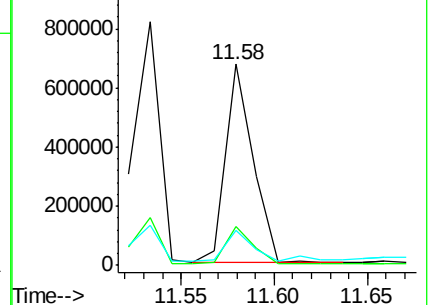
179 17.3 12.5 18.7



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: 44.48 ng

RT: 11.73 min Scan# 826

Delta R.T. -0.01 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

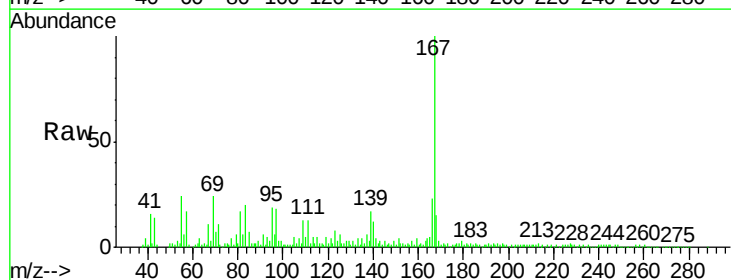
Tgt Ion:167 Resp: 621321

Ion Ratio Lower Upper

167 100

166 23.0 18.2 27.2

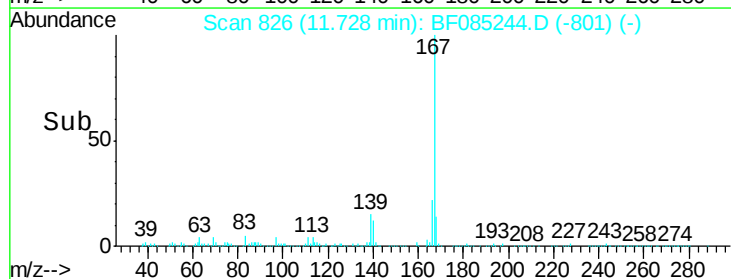
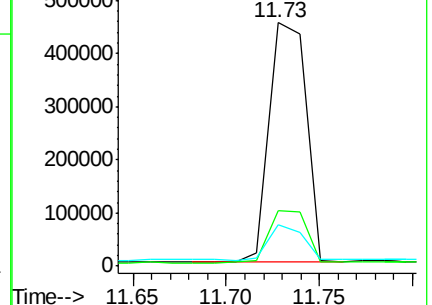
139 17.3 11.4 17.0#

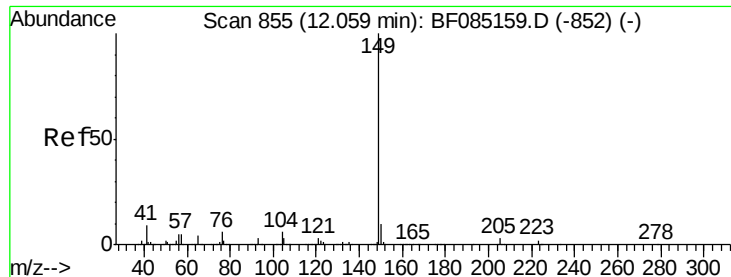


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 44.78 ng

RT: 12.06 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

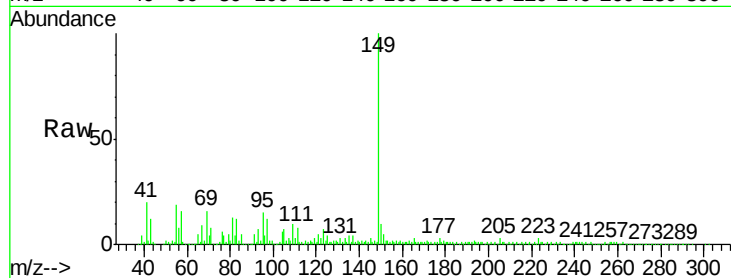
Tgt Ion:149 Resp: 790573

Ion Ratio Lower Upper

149 100

150 10.4 7.8 11.6

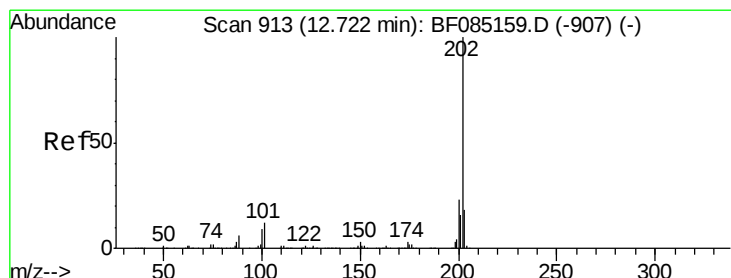
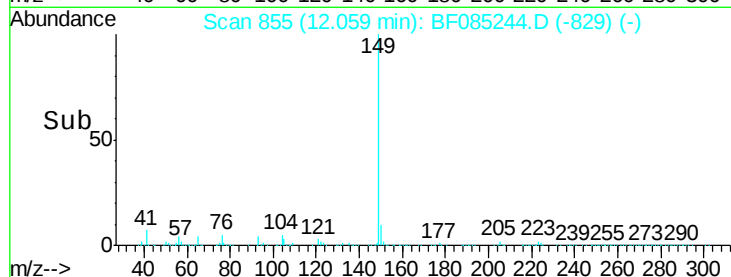
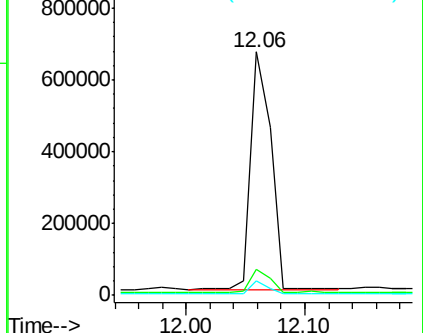
104 5.7 4.7 7.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 45.43 ng

RT: 12.72 min Scan# 913

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

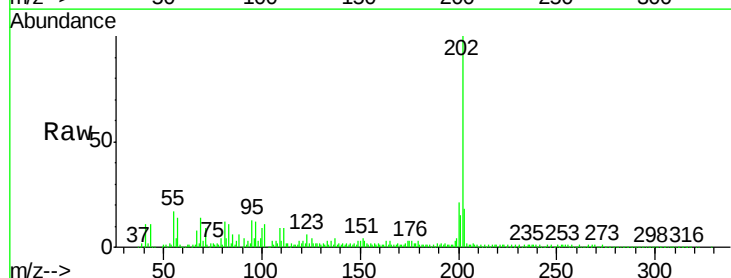
Tgt Ion:202 Resp: 684098

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.8

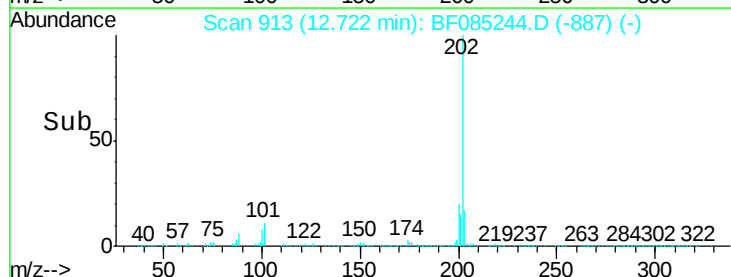
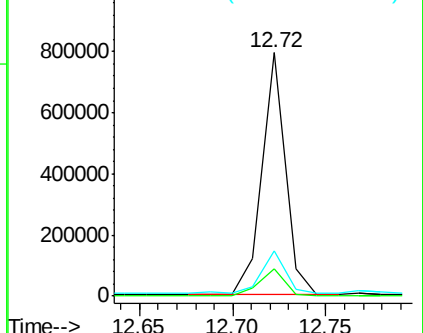
203 18.5 0.0 38.4

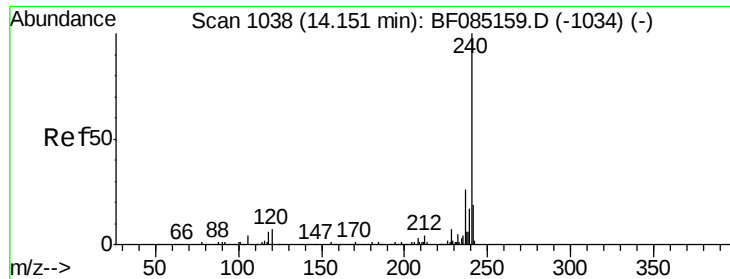


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

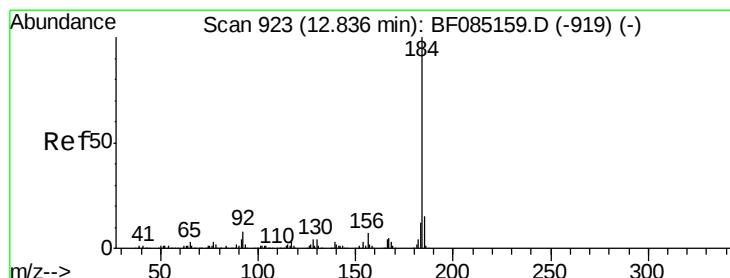
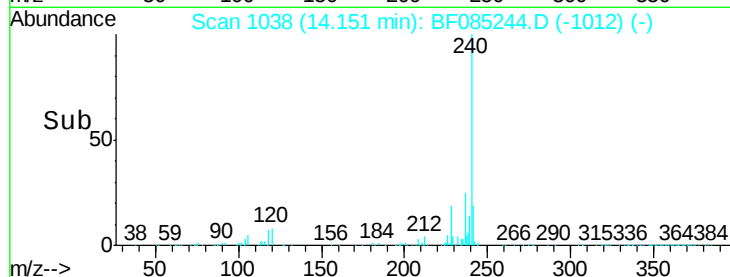
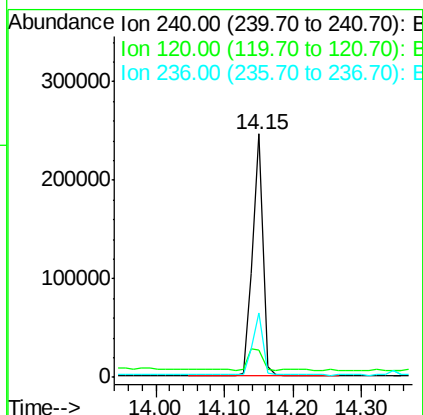
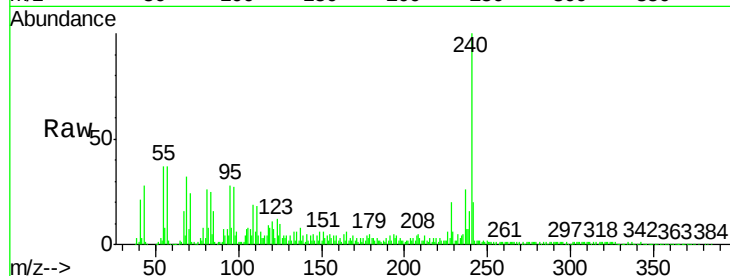




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.15 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

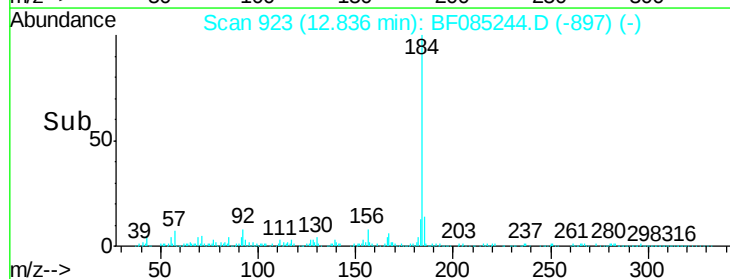
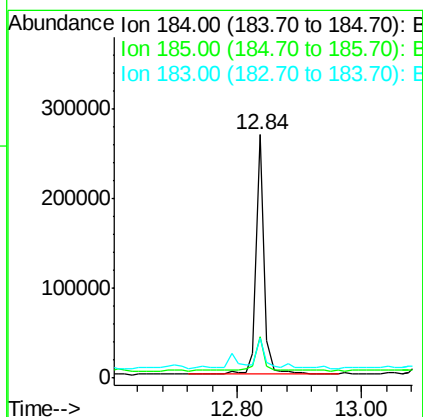
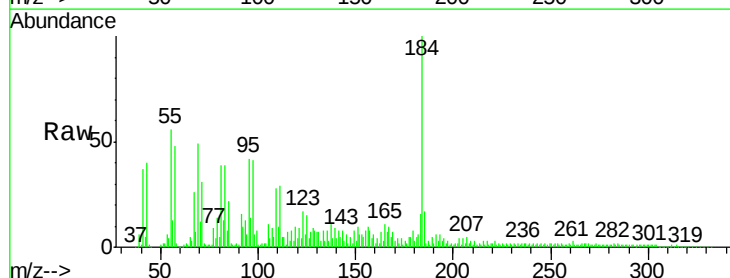
Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

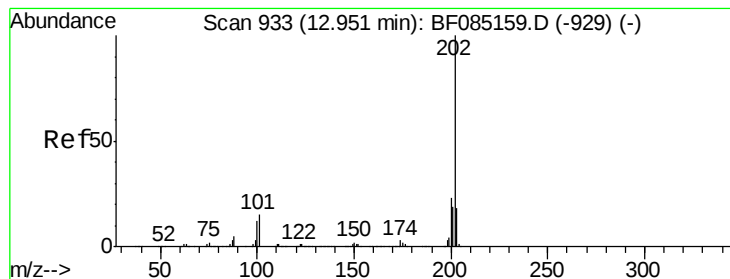
Tgt Ion:240 Resp: 252674
Ion Ratio Lower Upper
240 100
120 11.3 5.3 7.9#
236 26.4 20.7 31.1



#76
Benzidine
Concen: 31.96 ng
RT: 12.84 min Scan# 923
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion:184 Resp: 240329
Ion Ratio Lower Upper
184 100
185 17.2 12.4 18.6
183 16.3 9.4 14.2#





#77

Pyrene

Concen: 36.27 ng

RT: 12.95 min Scan# 933

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD

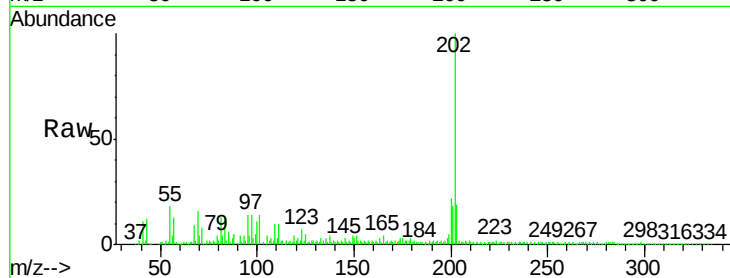
Tgt Ion:202 Resp: 689764

Ion Ratio Lower Upper

202 100

200 21.5 18.2 27.4

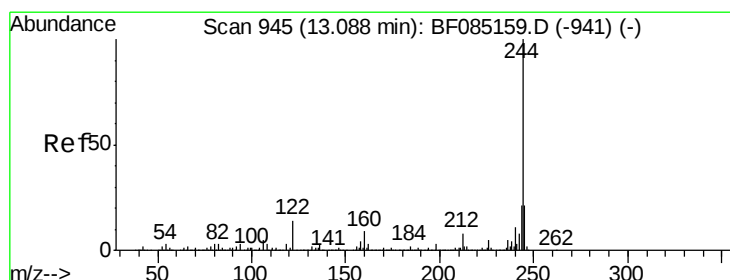
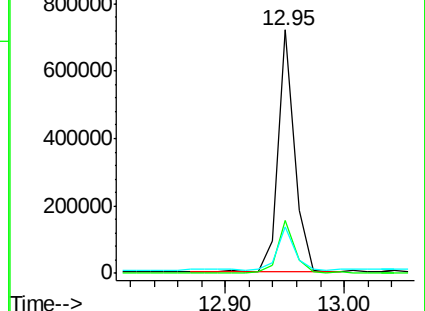
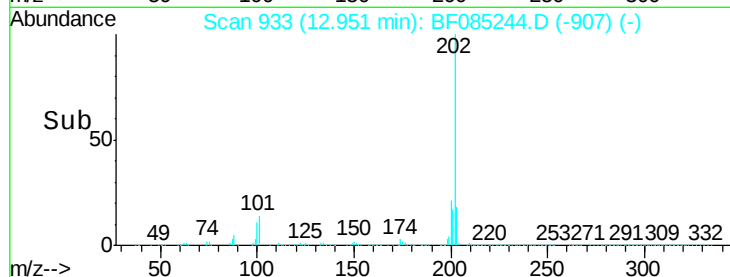
203 19.0 14.7 22.1



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: 92.74 ng

RT: 13.09 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF085244.D

Acq: 5 Mar 2016 10:29

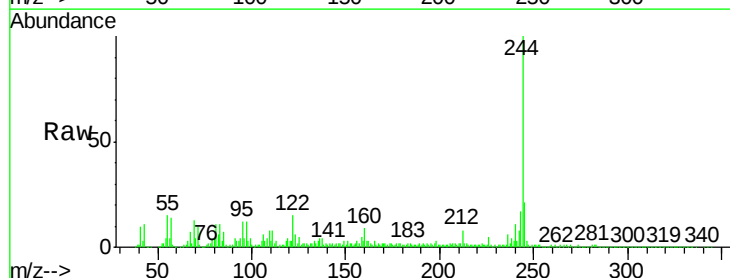
Tgt Ion:244 Resp: 1009418

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

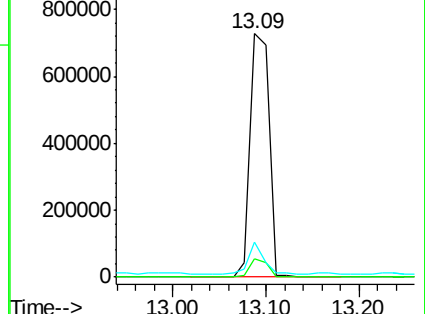
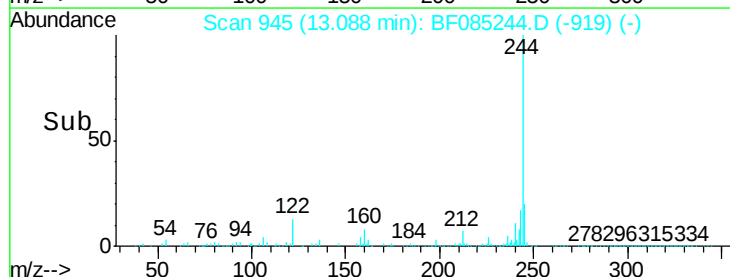
122 14.5 11.4 17.2

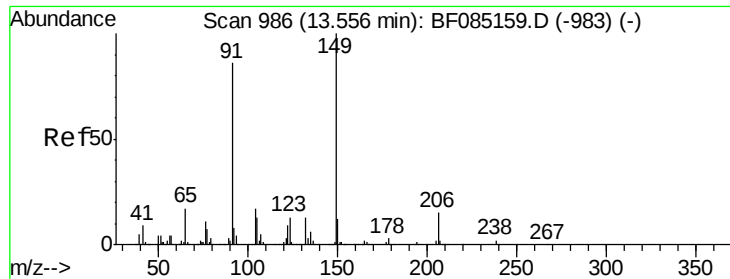


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

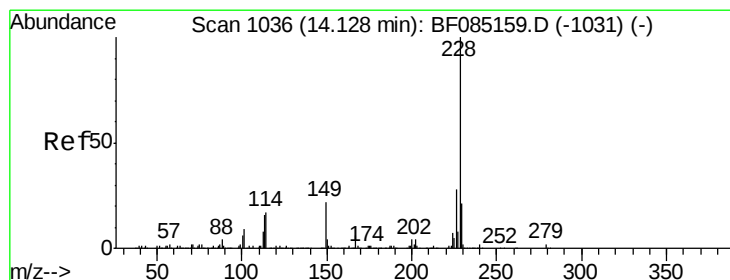
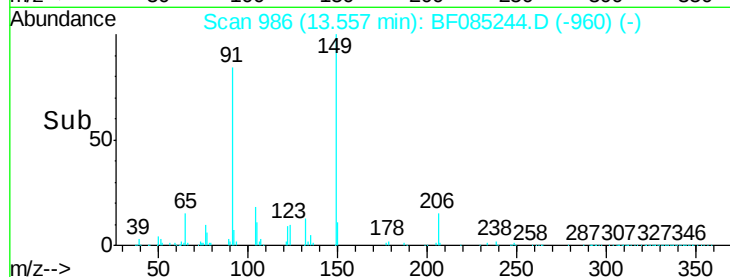
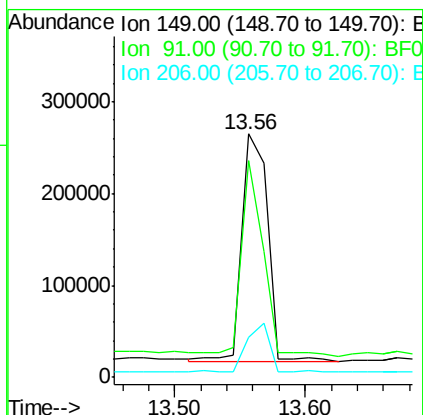
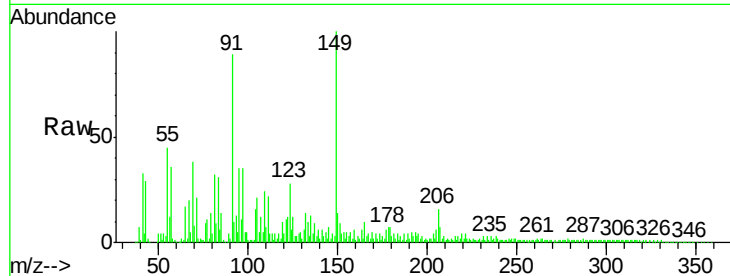




#79
Butylbenzylphthalate
Concen: 39.43 ng
RT: 13.56 min Scan# 986
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

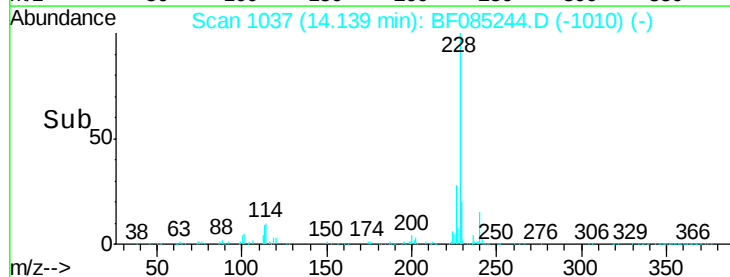
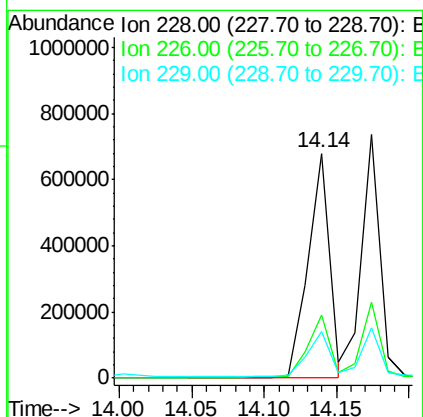
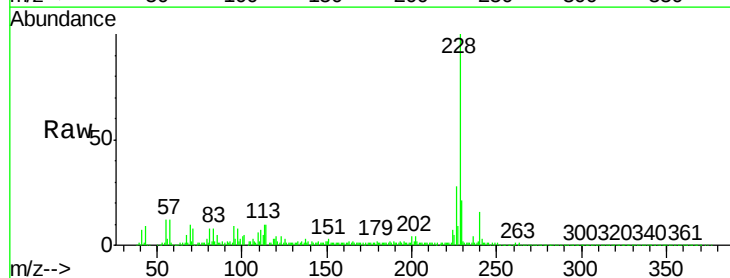
Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

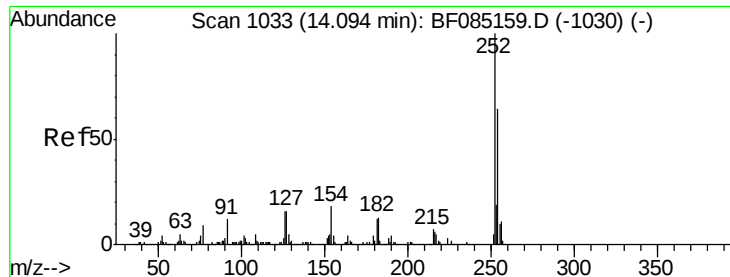
Tgt Ion:149 Resp: 340250
Ion Ratio Lower Upper
149 100
91 89.0 69.0 103.4
206 16.4 12.3 18.5



#80
Benzo(a)anthracene
Concen: 45.96 ng
RT: 14.14 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion:228 Resp: 695173
Ion Ratio Lower Upper
228 100
226 28.2 22.8 34.2
229 20.7 16.6 24.8

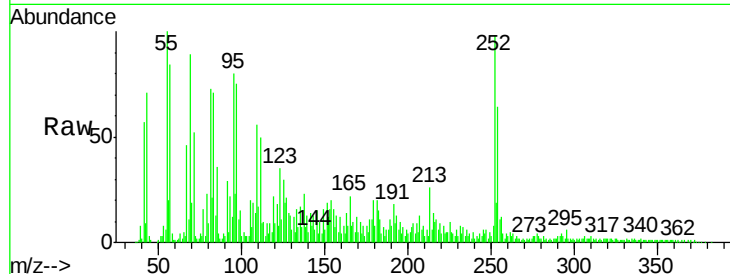




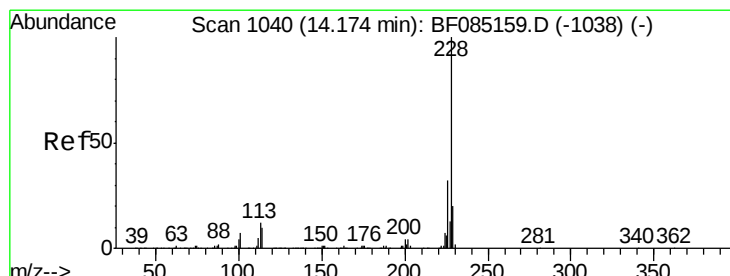
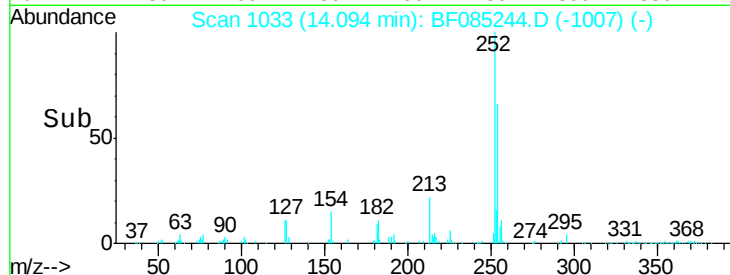
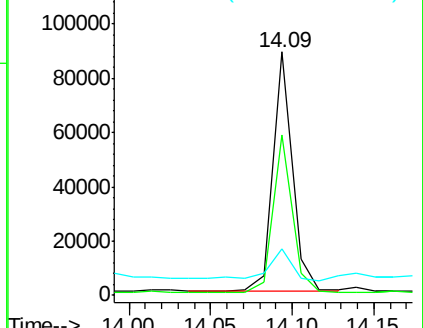
#81
 3,3'-Dichlorobenzidine
 Concen: 15.48 ng
 RT: 14.09 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

Tgt Ion:252 Resp: 73879
 Ion Ratio Lower Upper
 252 100
 254 65.9 51.4 77.0
 126 19.0 12.9 19.3

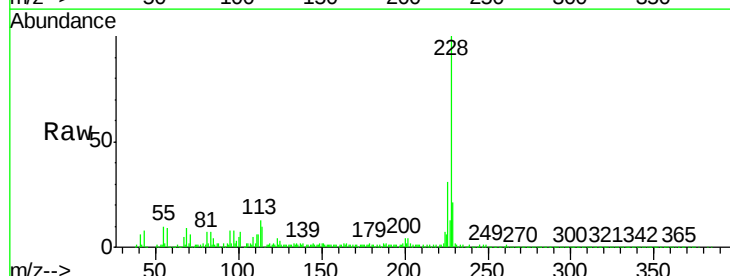


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

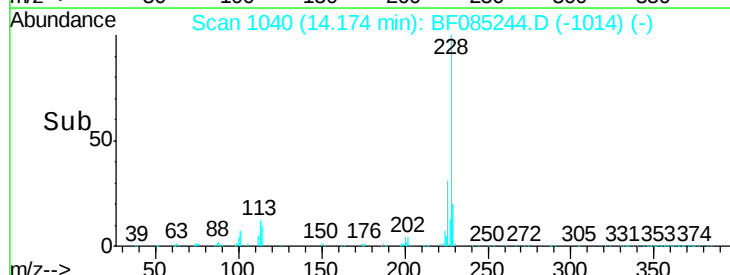
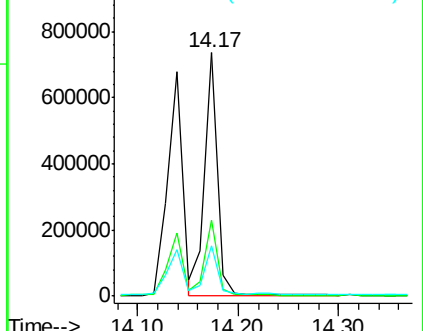


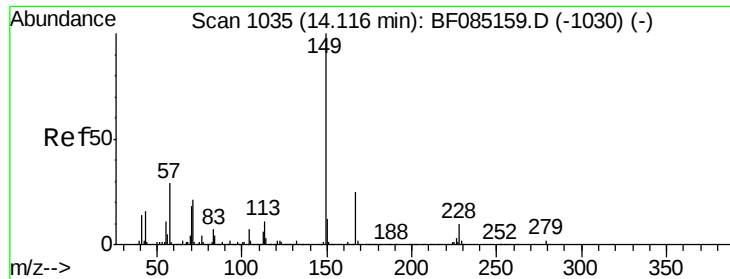
#82
 Chrysene
 Concen: 46.52 ng
 RT: 14.17 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion:228 Resp: 650058
 Ion Ratio Lower Upper
 228 100
 226 31.0 25.2 37.8
 229 20.8 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

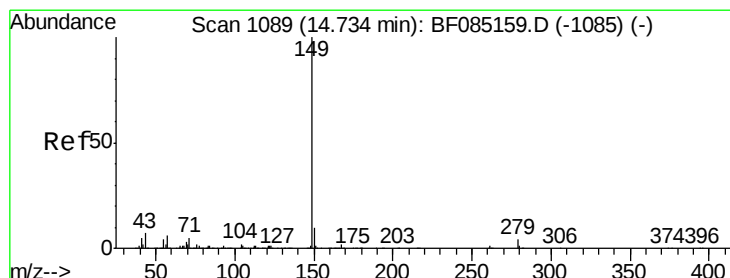
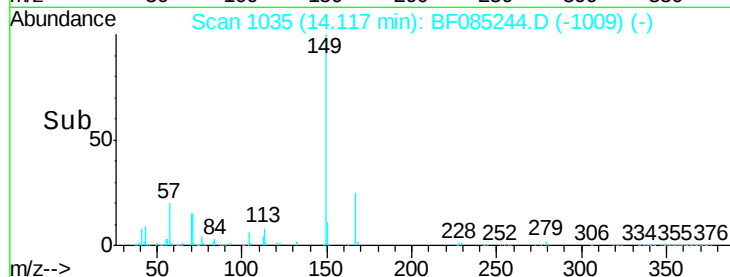
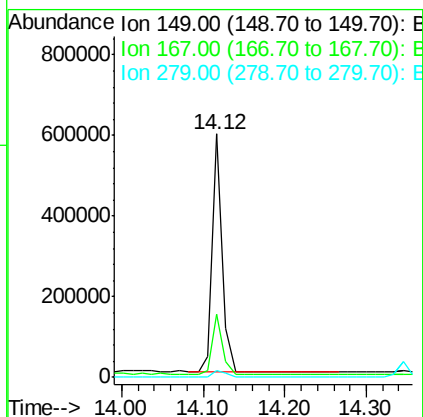
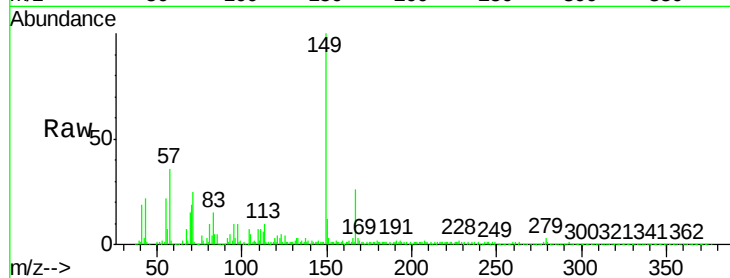




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.84 ng
 RT: 14.12 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

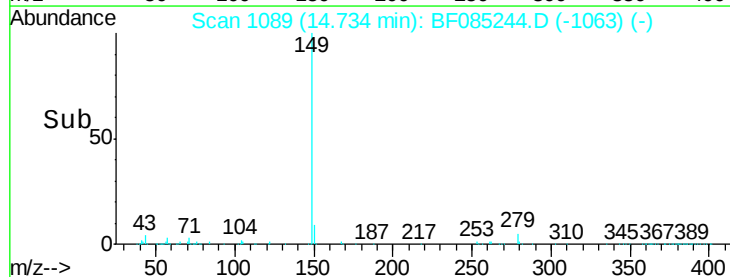
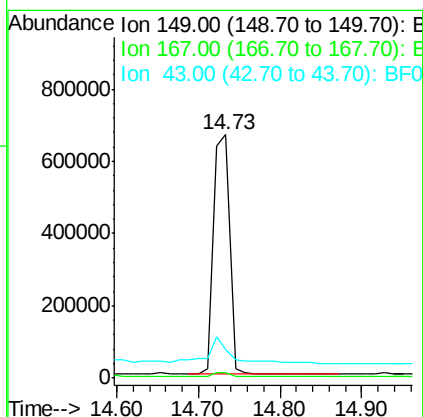
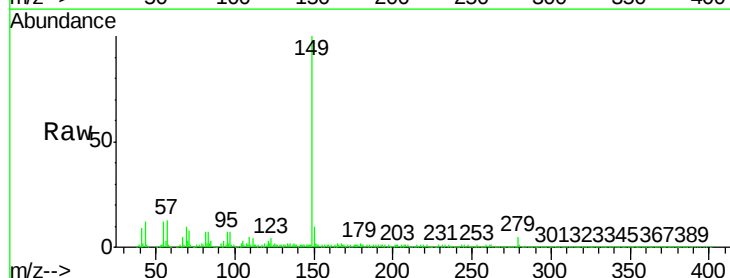
Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

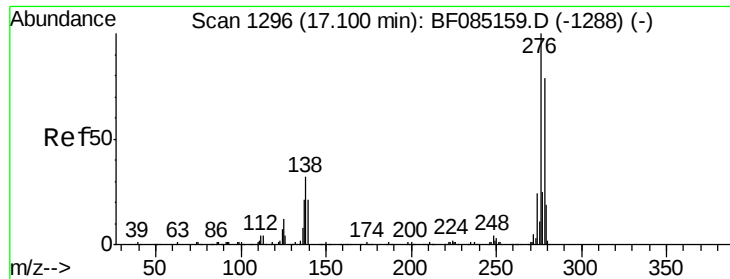
Tgt Ion:149 Resp: 520558
 Ion Ratio Lower Upper
 149 100
 167 25.9 20.3 30.5
 279 2.9 1.9 2.9



#84
 Di-n-octyl phthalate
 Concen: 53.51 ng
 RT: 14.73 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion:149 Resp: 925405
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.1 1.7
 43 14.9 7.8 11.8#

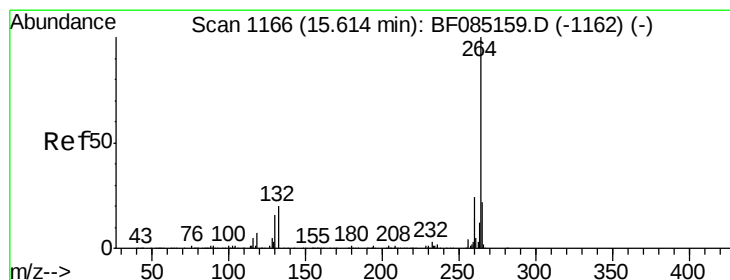
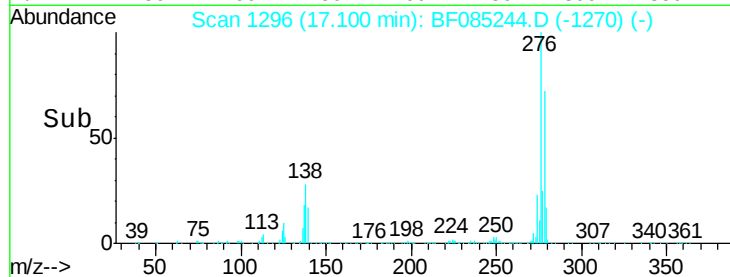
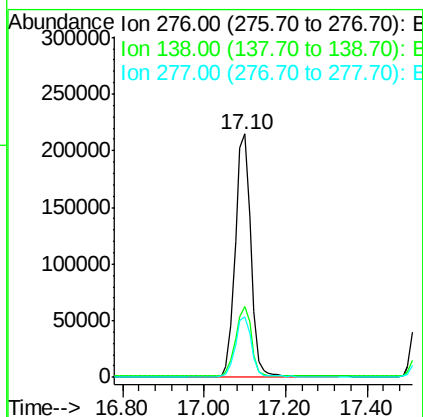
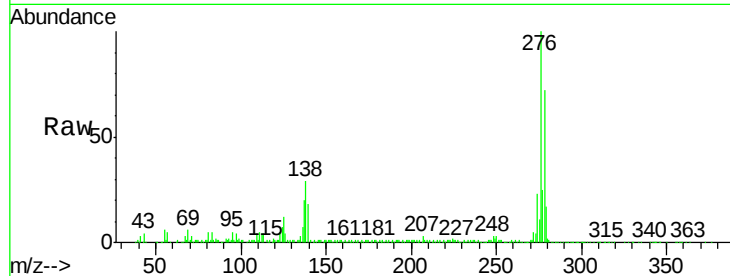




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 52.11 ng
 RT: 17.10 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

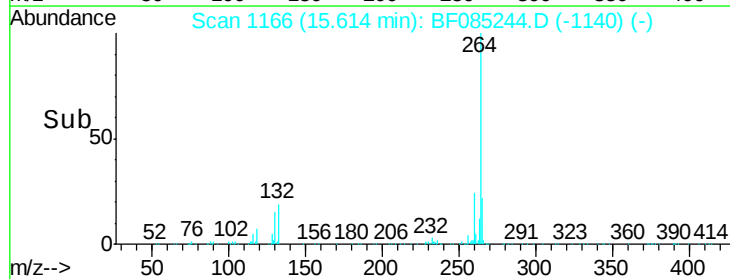
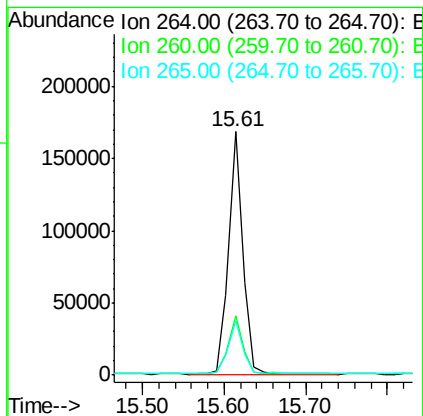
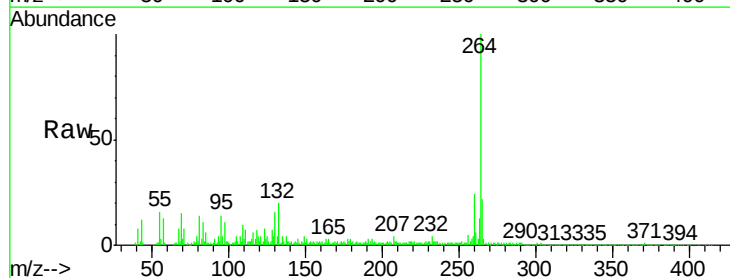
Instrument :
 BNA_F
 ClientSampleId :
 SB-43(10-12)MSD

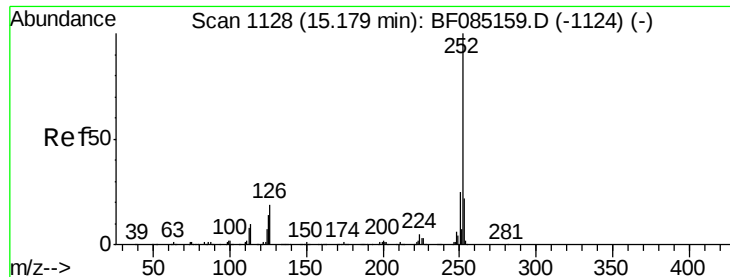
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.6	26.4	39.6
277	25.3	20.2	30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.61 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BF085244.D
 Acq: 5 Mar 2016 10:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.3	17.3	25.9

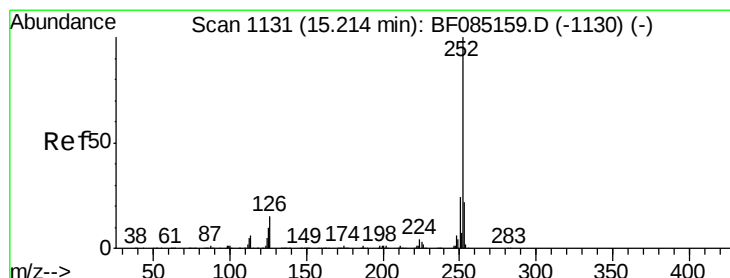
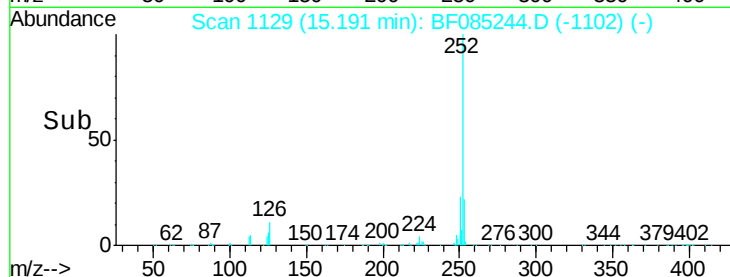
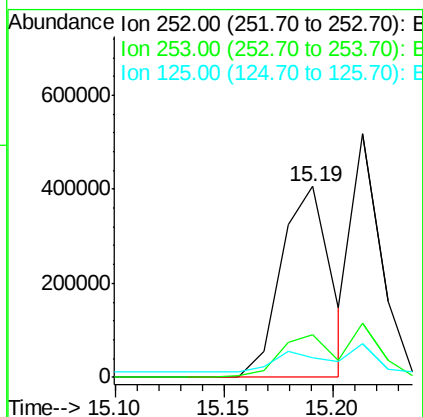
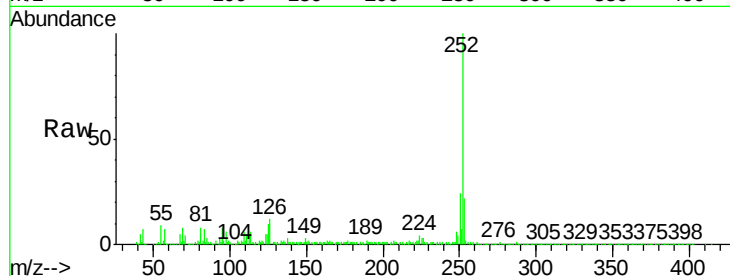




#87
Benzo(b)fluoranthene
Concen: 46.92 ng
RT: 15.19 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

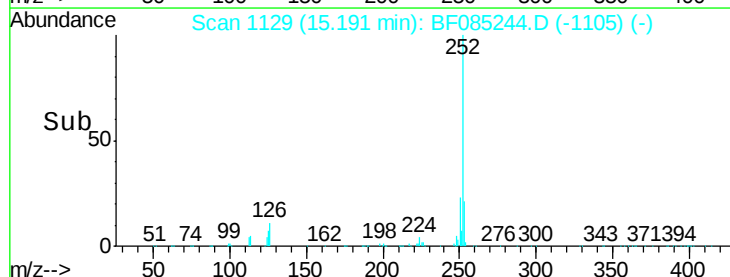
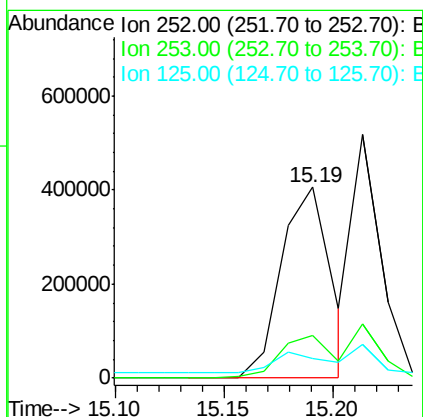
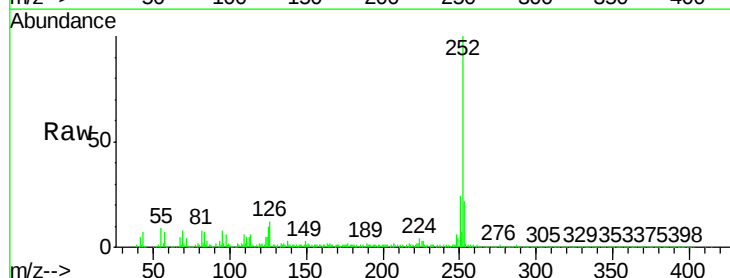
Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

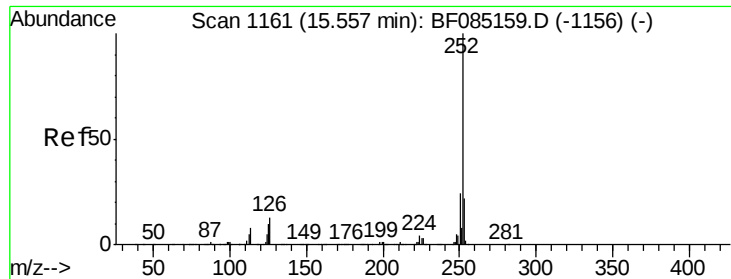
Tgt Ion: 252 Resp: 637430
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.4 11.3 16.9#



#88
Benzo(k)fluoranthene
Concen: 58.16 ng
RT: 15.19 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion: 252 Resp: 637430
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.4 10.4 15.6#

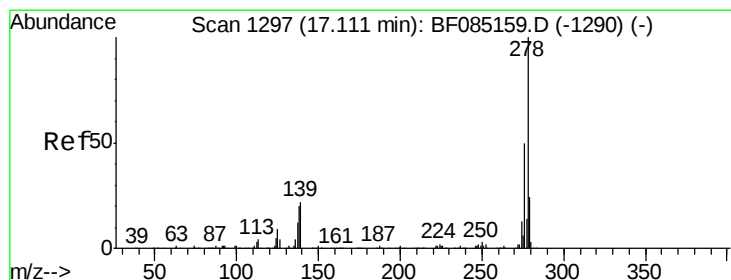
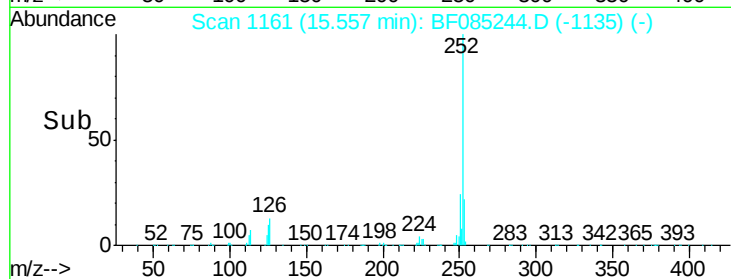
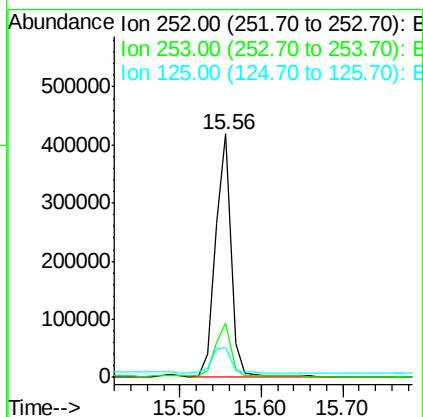
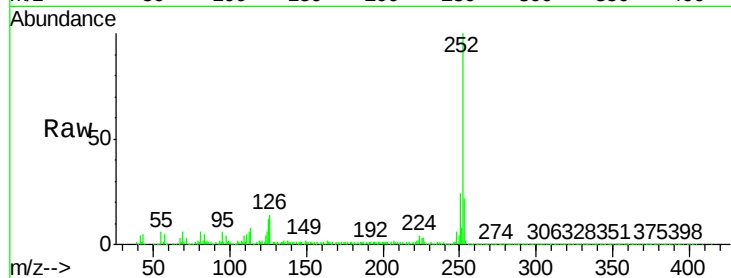




#89
Benzo(a)pyrene
Concen: 48.36 ng
RT: 15.56 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

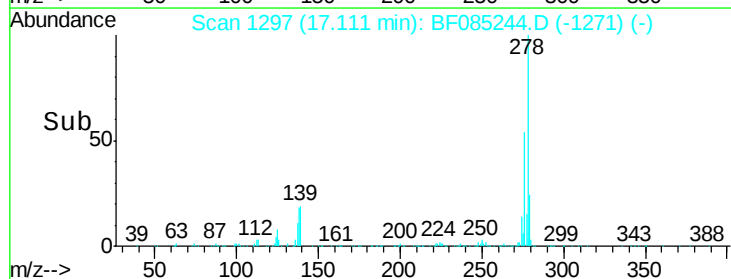
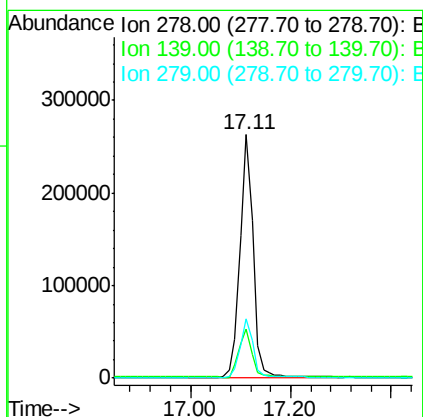
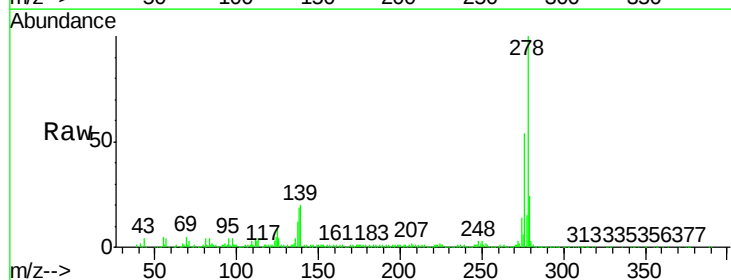
Instrument :
BNA_F
ClientSampleId :
SB-43(10-12)MSD

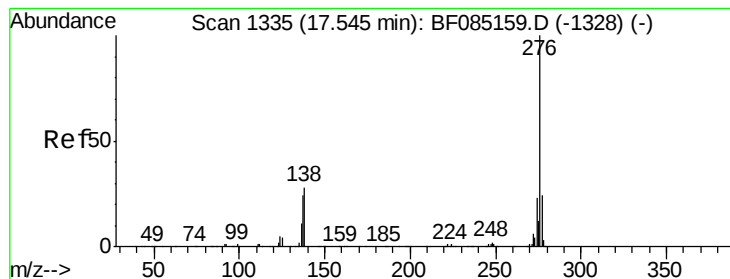
Tgt Ion:252 Resp: 544493
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 12.2 8.2 12.4



#90
Dibenzo(a,h)anthracene
Concen: 50.25 ng
RT: 17.11 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BF085244.D
Acq: 5 Mar 2016 10:29

Tgt Ion:278 Resp: 482961
Ion Ratio Lower Upper
278 100
139 20.2 17.3 25.9
279 24.3 19.2 28.8





#91

Benzo(g,h,i)perylene

Concen: 46.90 ng

RT: 17.55 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF085244.D

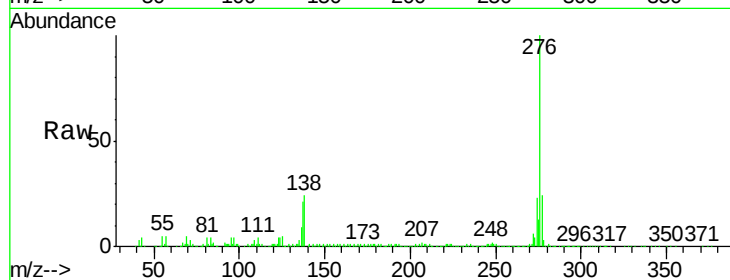
Acq: 5 Mar 2016 10:29

Instrument :

BNA_F

ClientSampleId :

SB-43(10-12)MSD



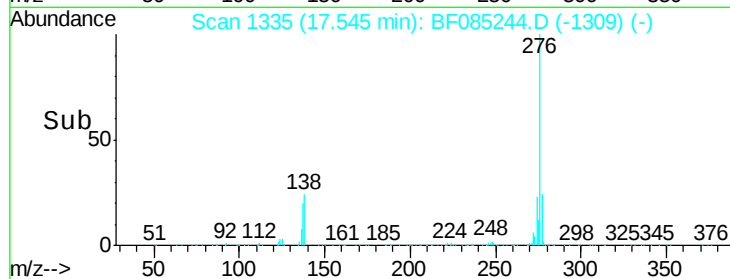
Tgt Ion: 276 Resp: 453253

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 24.1 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

