

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
 Data File : BF085598.D
 Acq On : 20 Mar 2016 5:16
 Operator : UM/SJ
 Sample : H1790-05MSD
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)MSD

Quant Time: Mar 21 00:17:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	132782	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	513795	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	231547	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	362001	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	250644	20.00	ng	0.00
86) Perylene-d12	15.44	264	253970	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	993902	125.73	ng	0.02
7) Phenol-d6	6.49	99	1116360	110.11	ng	0.00
23) Nitrobenzene-d5	7.42	82	794336	89.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	288905	127.37	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1308948	101.26	ng	-0.01
78) Terphenyl-d14	12.96	244	1023334	98.25	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.63	88	124380	32.37	ng	99
3) Pyridine	3.33	79	244010	25.86	ng	99
4) n-Nitrosodimethylamine	3.26	42	149430	37.93	ng	99
6) Aniline	6.52	93	215995	15.86	ng	# 68
8) 2-Chlorophenol	6.64	128	379232	41.47	ng	96
9) Benzaldehyde	6.40	77	49149	7.50	ng	99
10) Phenol	6.50	94	355386	30.77	ng	96
11) bis(2-Chloroethyl)ether	6.60	93	388026	44.57	ng	99
12) 1,3-Dichlorobenzene	6.80	146	386271	38.76	ng	99
13) 1,4-Dichlorobenzene	6.87	146	382355	37.61	ng	99
14) 1,2-Dichlorobenzene	7.03	146	377197	41.79	ng	98
15) Benzyl Alcohol	7.00	79	305502	43.99	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	454776	39.72	ng	95
17) 2-Methylphenol	7.11	107	312288	41.19	ng	99
18) Hexachloroethane	7.36	117	137762	37.53	ng	# 78
19) n-Nitroso-di-n-propylamine	7.27	70	248346	41.01	ng	93
20) 3+4-Methylphenols	7.27	107	354593	40.39	ng	97
22) Acetophenone	7.27	105	480945	39.45	ng	# 97
24) Nitrobenzene	7.44	77	415130	42.85	ng	96
25) Isophorone	7.68	82	742655	41.91	ng	96
26) 2-Nitrophenol	7.76	139	209017	43.65	ng	# 89
27) 2,4-Dimethylphenol	7.80	122	335991	39.68	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	440916	43.74	ng	99
29) 2,4-Dichlorophenol	8.00	162	314699	45.00	ng	99
30) 1,2,4-Trichlorobenzene	8.08	180	314666	40.17	ng	97
31) Naphthalene	8.16	128	1133253	43.70	ng	100
32) Benzoic acid	7.92	122	223325	31.54	ng	99
33) 4-Chloroaniline	8.21	127	101829	9.58	ng	# 92
34) Hexachlorobutadiene	8.28	225	162154	38.84	ng	98
35) Caprolactam	8.58	113	68949	28.66	ng	86
36) 4-Chloro-3-methylphenol	8.70	107	329168	40.30	ng	100
37) 2-Methylnaphthalene	8.86	142	737534	46.66	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	275820	39.27	ng	99
40) Hexachlorocyclopentadiene	9.01	237	145058	45.82	ng	99

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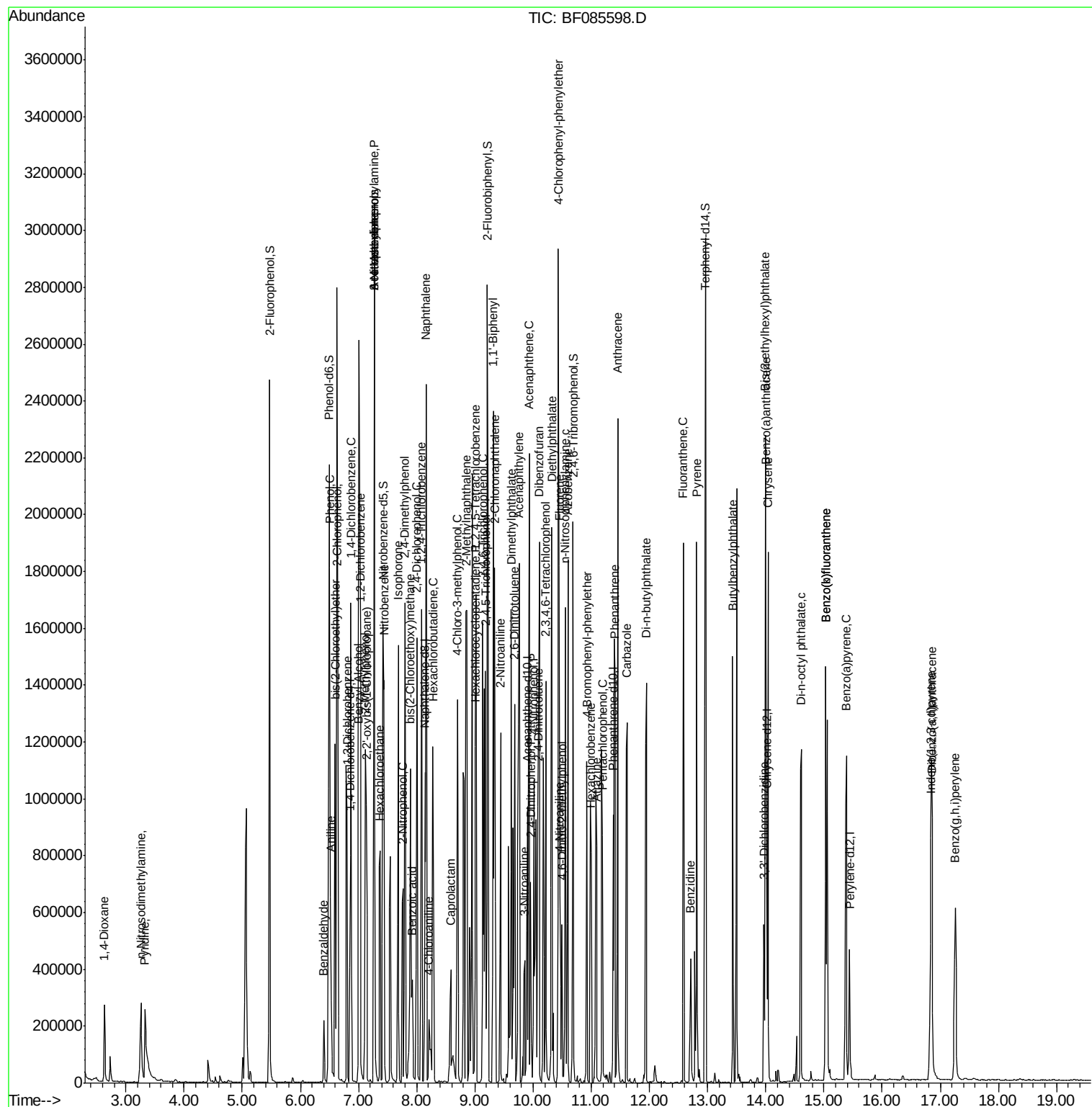
42) 2,4,6-Trichlorophenol	9.13	196	212012	44.10	ng	100
43) 2,4,5-Trichlorophenol	9.18	196	215442	44.03	ng #	89
45) 1,1'-Biphenyl	9.32	154	769844	38.54	ng	98
46) 2-Chloronaphthalene	9.34	162	597097	40.92	ng #	92
47) 2-Nitroaniline	9.44	65	216464	49.04	ng	93
48) Acenaphthylene	9.76	152	1055823	44.71	ng	99
49) Dimethylphthalate	9.62	163	810665	46.40	ng	99
50) 2,6-Dinitrotoluene	9.68	165	157858	42.79	ng	93
51) Acenaphthene	9.93	154	686314	46.32	ng	99
52) 3-Nitroaniline	9.85	138	111137	24.06	ng #	80
53) 2,4-Dinitrophenol	9.96	184	90025	39.84	ng	92
54) Dibenzofuran	10.10	168	902957	50.04	ng	98
55) 4-Nitrophenol	10.01	139	217109	60.81	ng	91
56) 2,4-Dinitrotoluene	10.08	165	209305	43.34	ng #	50
57) Fluorene	10.45	166	652809	43.41	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.22	232	162723	46.19	ng	98
59) Diethylphthalate	10.32	149	796989	45.88	ng	99
60) 4-Chlorophenyl-phenylether	10.44	204	320915	43.70	ng	92
61) 4-Nitroaniline	10.46	138	152612	33.51	ng	85
62) Azobenzene	10.60	77	778135	46.68	ng	95
64) 4,6-Dinitro-2-methylphenol	10.49	198	68548	29.59	ng	82
65) n-Nitrosodiphenylamine	10.55	169	563856	50.00	ng	99
66) 4-Bromophenyl-phenylether	10.93	248	190677	52.73	ng #	90
67) Hexachlorobenzene	11.00	284	186063	48.43	ng #	87
68) Atrazine	11.09	200	192161	55.97	ng	96
69) Pentachlorophenol	11.19	266	181619	77.86	ng	99
70) Phenanthrene	11.41	178	903387	47.33	ng	98
71) Anthracene	11.45	178	864364	43.19	ng	100
72) Carbazole	11.61	167	781265	45.25	ng	98
73) Di-n-butylphthalate	11.94	149	1080109	49.96	ng	98
74) Fluoranthene	12.58	202	717939	35.92	ng	97
76) Benzidine	12.71	184	193178	22.92	ng	97
77) Pyrene	12.81	202	729709	40.55	ng	100
79) Butylbenzylphthalate	13.43	149	347982	40.57	ng #	74
80) Benzo(a)anthracene	14.00	228	635909	43.70	ng	99
81) 3,3'-Dichlorobenzidine	13.97	252	159801	29.97	ng #	97
82) Chrysene	14.04	228	550681	39.34	ng	100
83) Bis(2-ethylhexyl)phthalate	13.99	149	467902	43.90	ng #	98
84) Di-n-octyl phthalate	14.61	149	861437	49.60	ng	99
85) Indeno(1,2,3-cd)pyrene	16.84	276	644296	55.08	ng	99
87) Benzo(b)fluoranthene	15.03	252	689366	41.60	ng	98
88) Benzo(k)fluoranthene	15.03	252	689366	50.49	ng	99
89) Benzo(a)pyrene	15.39	252	658103	46.84	ng #	96
90) Dibenzo(a,h)anthracene	16.86	278	558023	47.62	ng	98
91) Benzo(g,h,i)perylene	17.26	276	497759	43.89	ng	98

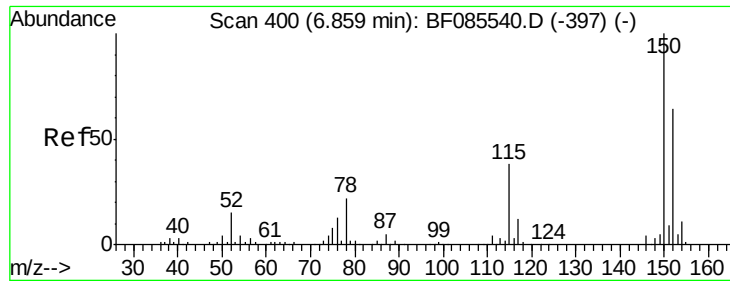
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 400

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

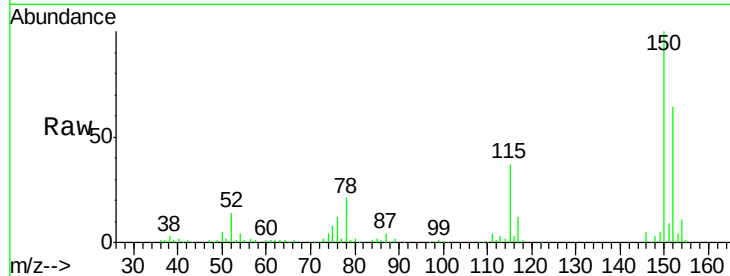
Tgt Ion:152 Resp: 132782

Ion Ratio Lower Upper

152 100

150 157.1 124.2 186.2

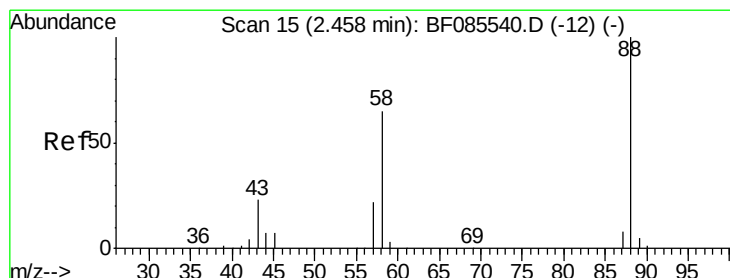
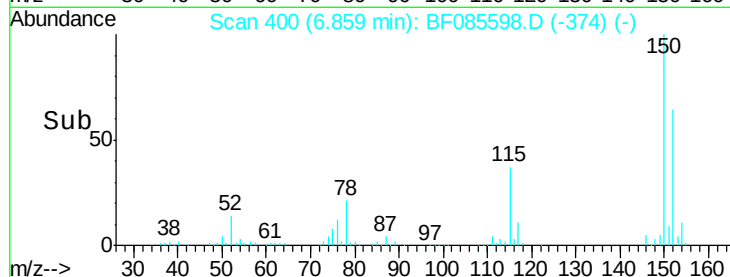
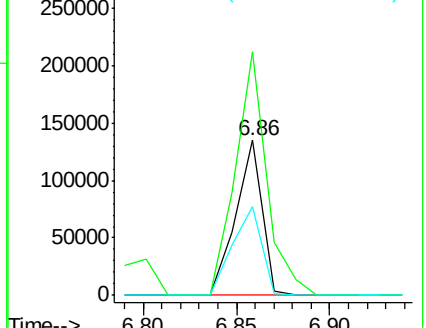
115 57.6 47.0 70.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 32.37 ng

RT: 2.63 min Scan# 30

Delta R.T. 0.17 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

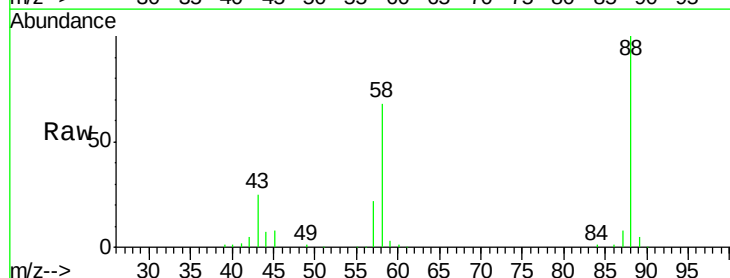
Tgt Ion: 88 Resp: 124380

Ion Ratio Lower Upper

88 100

58 68.5 54.2 81.2

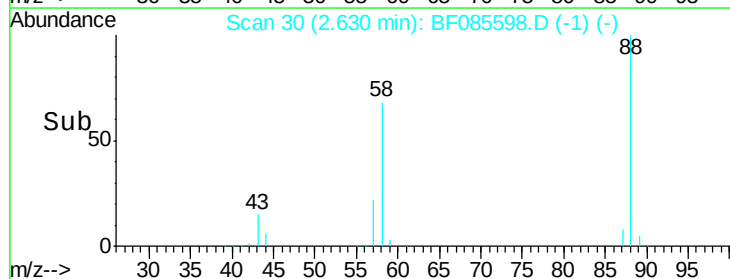
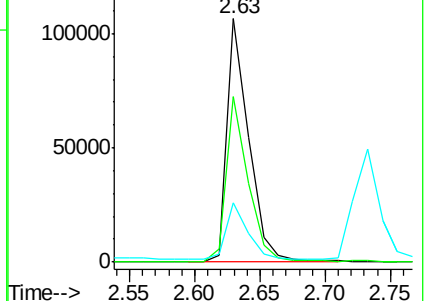
43 22.9 19.3 28.9

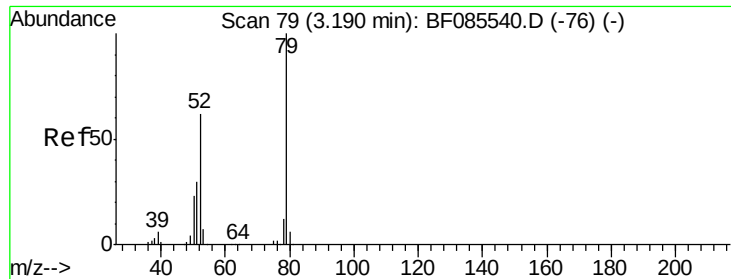


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 25.86 ng

RT: 3.33 min Scan# 91

Delta R.T. 0.14 min

Lab File: BF085598.D

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Instrument :

BNA_F

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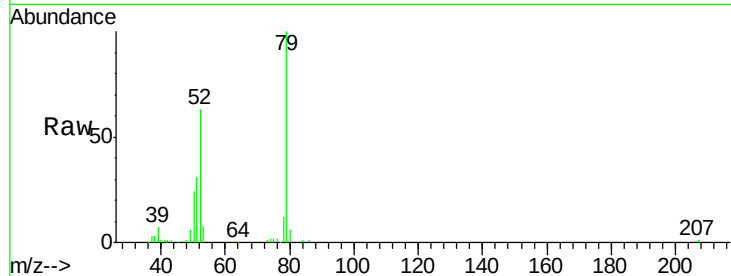
Tgt Ion: 79 Resp: 244010

Ion Ratio Lower Upper

79 100

52 62.6 49.8 74.6

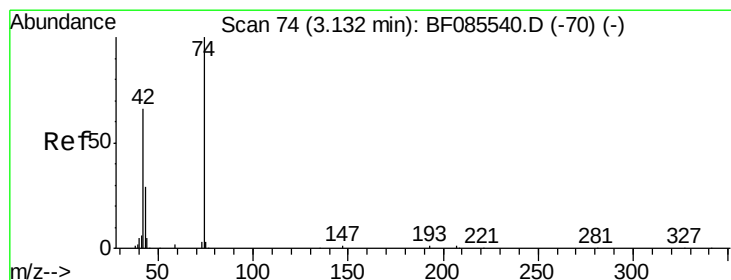
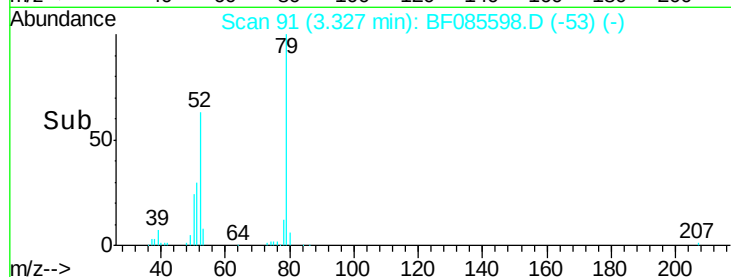
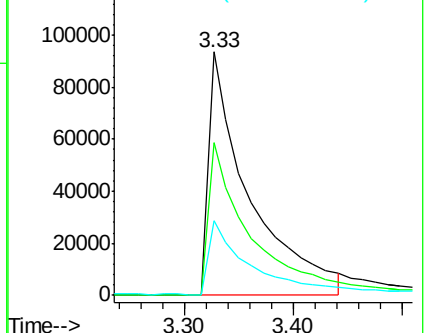
51 30.6 24.7 37.1



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 37.93 ng

RT: 3.26 min Scan# 85

Delta R.T. 0.13 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

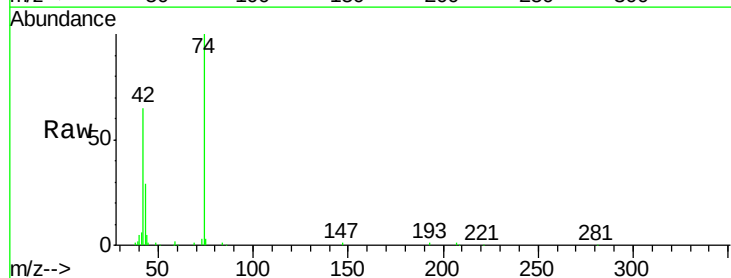
Tgt Ion: 42 Resp: 149430

Ion Ratio Lower Upper

42 100

74 153.0 121.4 182.2

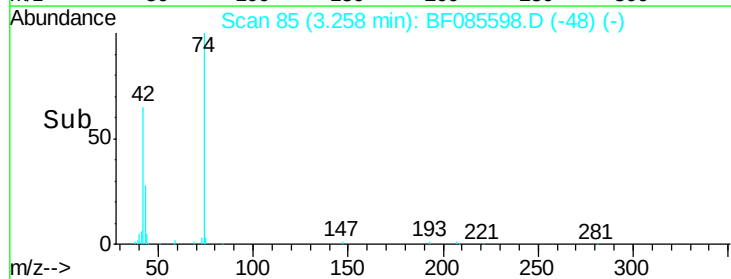
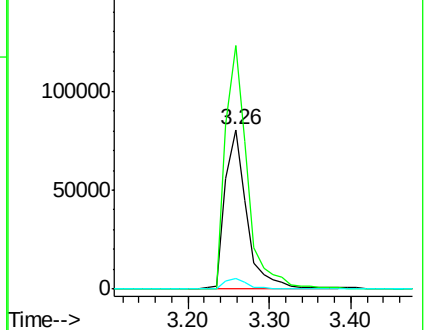
44 7.0 5.6 8.4

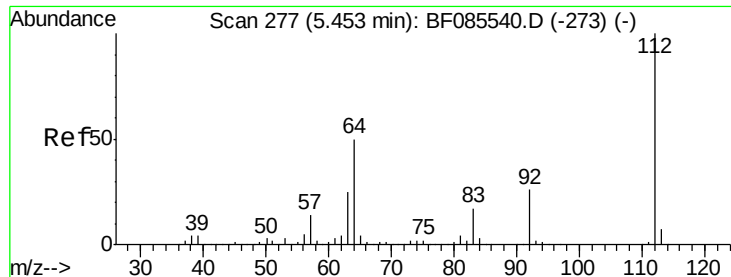


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 125.73 ng

RT: 5.48 min Scan# 279

Delta R.T. 0.02 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

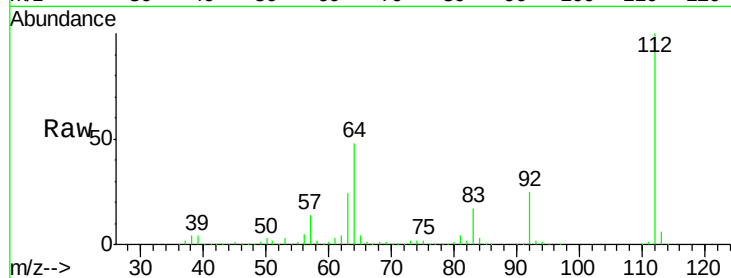
Instrument :

BNA_F

ClientSampleId :

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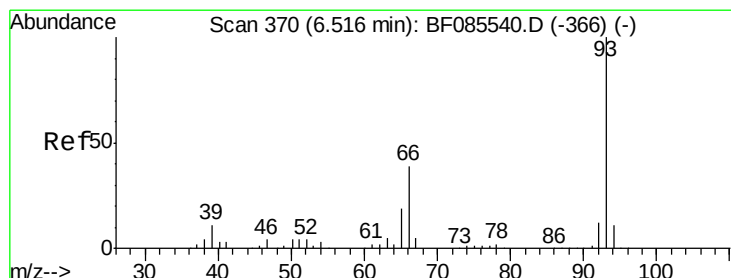
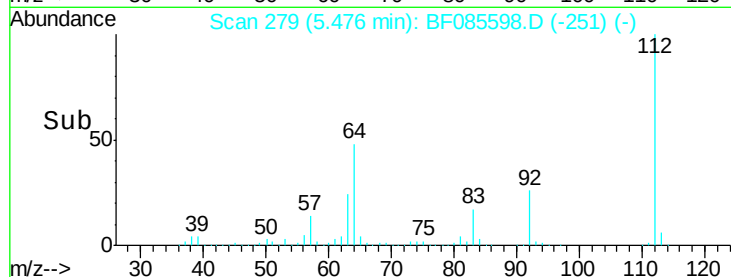
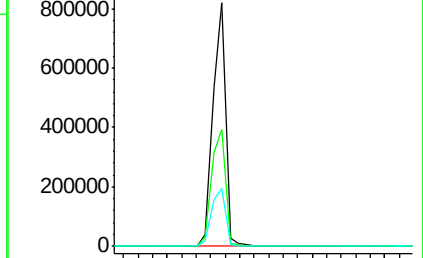
Tgt Ion:	112	Resp:	993902
Ion	Ratio	Lower	Upper
112	100		
64	47.8	39.9	59.9
63	24.1	20.2	30.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 15.86 ng

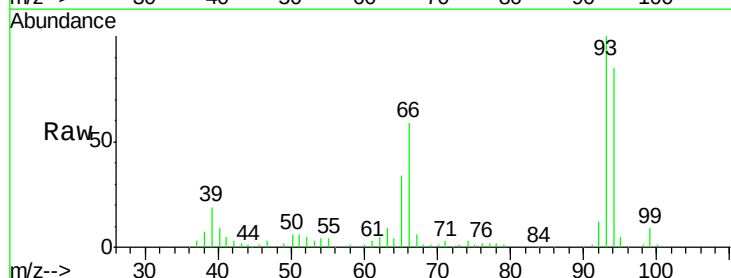
RT: 6.52 min Scan# 370

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

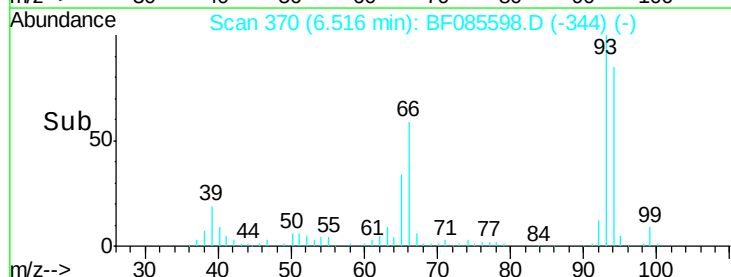
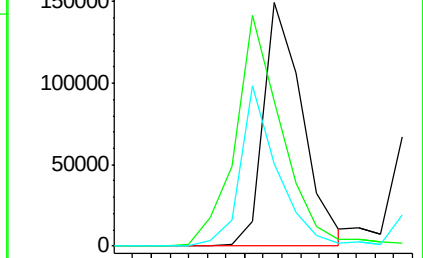
Tgt Ion:	93	Resp:	215995
Ion	Ratio	Lower	Upper
93	100		
66	59.4	31.4	47.2#
65	33.8	15.7	23.5#

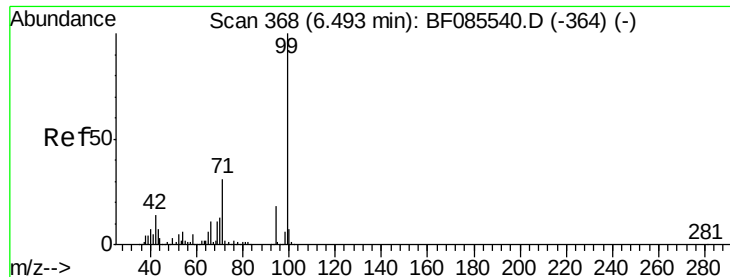


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 110.11 ng

RT: 6.49 min Scan# 368

Delta R.T. 0.00 min

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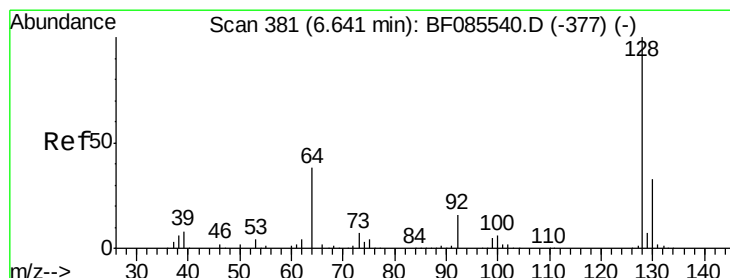
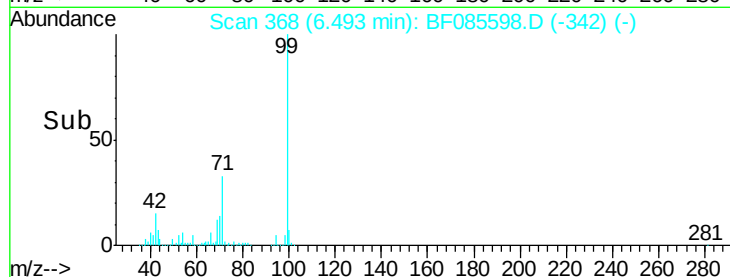
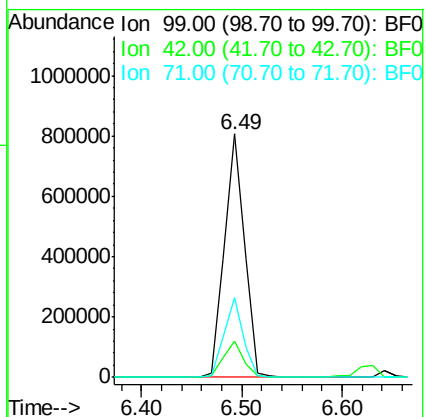
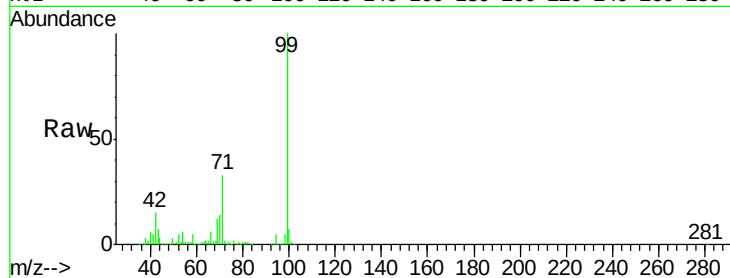
Tgt Ion: 99 Resp: 1116360

Ion Ratio Lower Upper

99 100

42 15.0 11.1 16.7

71 32.9 24.9 37.3



#8

2-Chlorophenol

Concen: 41.47 ng

RT: 6.64 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

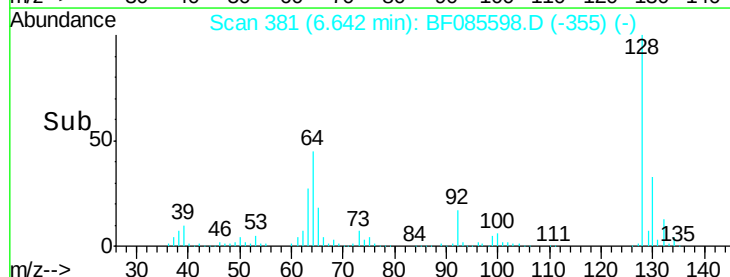
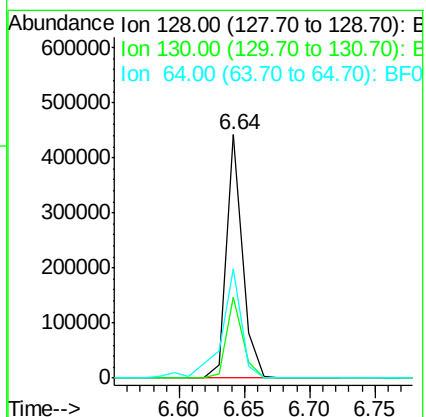
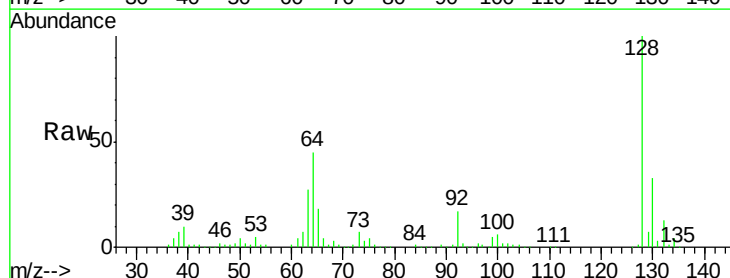
Tgt Ion: 128 Resp: 379232

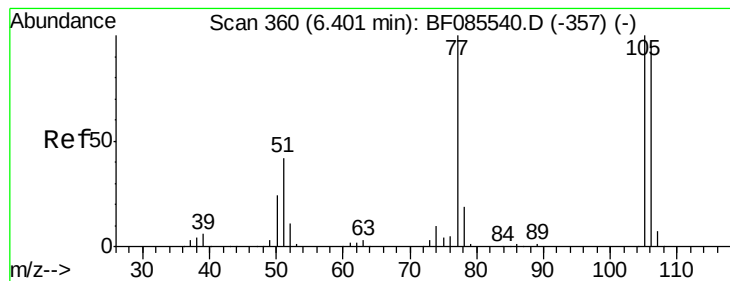
Ion Ratio Lower Upper

128 100

130 33.1 12.9 52.9

64 44.9 20.2 60.2





#9

Benzaldehyde

Concen: 7.50 ng

RT: 6.40 min Scan# 360

Delta R.T. 0.00 min

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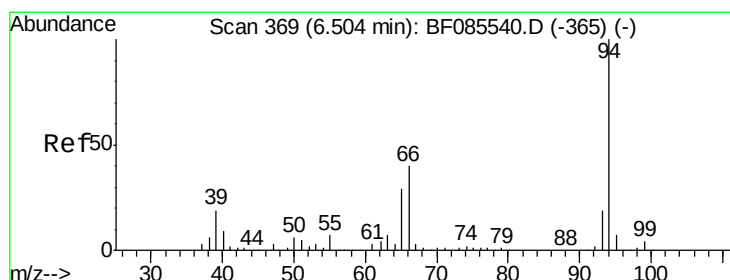
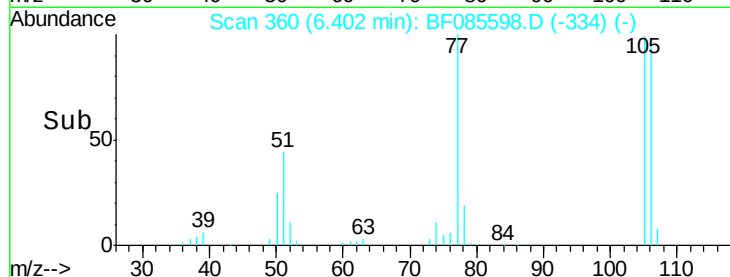
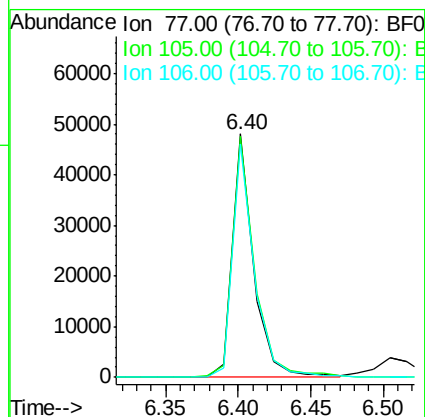
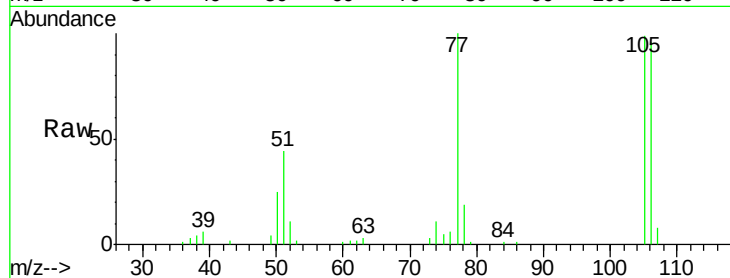
Tgt Ion: 77 Resp: 49149

Ion Ratio Lower Upper

77 100

105 99.2 80.1 120.1

106 95.9 75.0 115.0



#10

Phenol

Concen: 30.77 ng

RT: 6.50 min Scan# 369

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

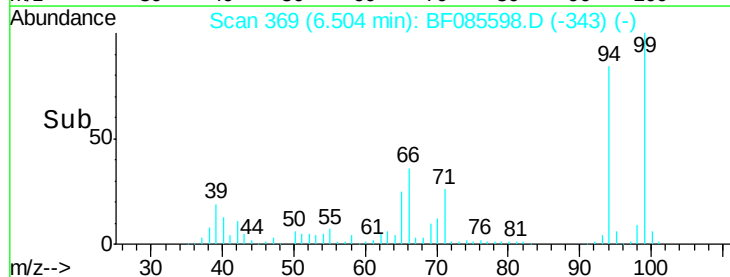
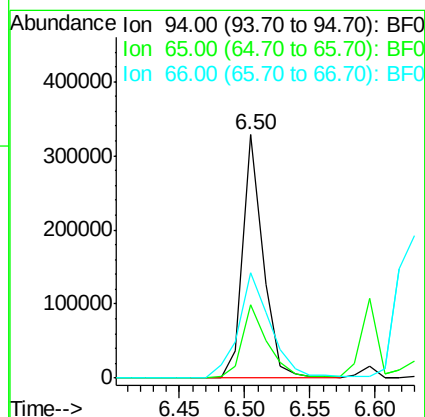
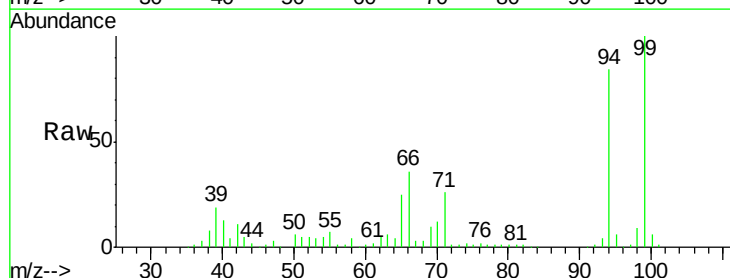
Tgt Ion: 94 Resp: 355386

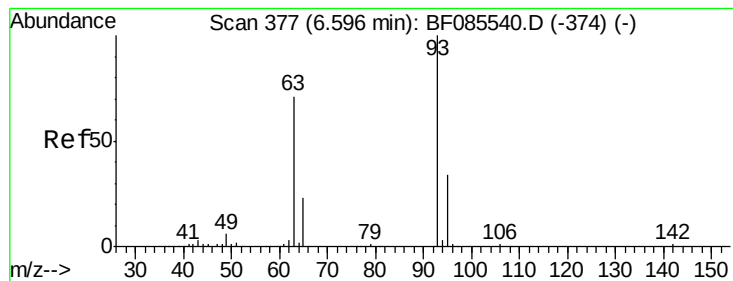
Ion Ratio Lower Upper

94 100

65 29.9 8.6 48.6

66 43.1 20.0 60.0

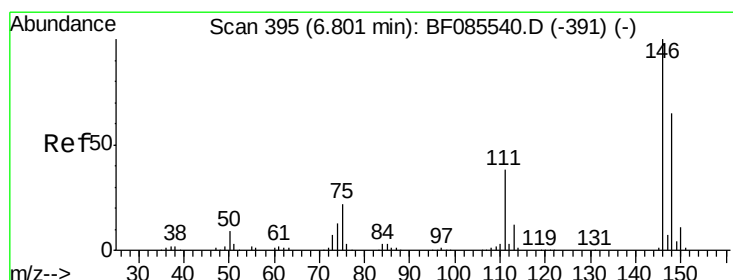
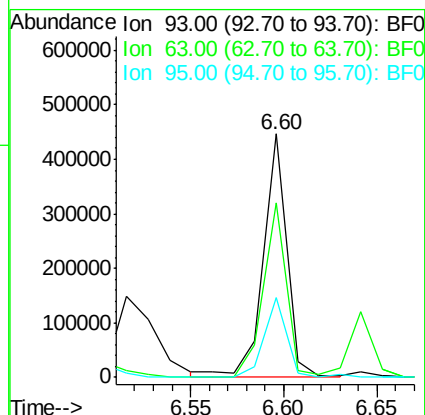
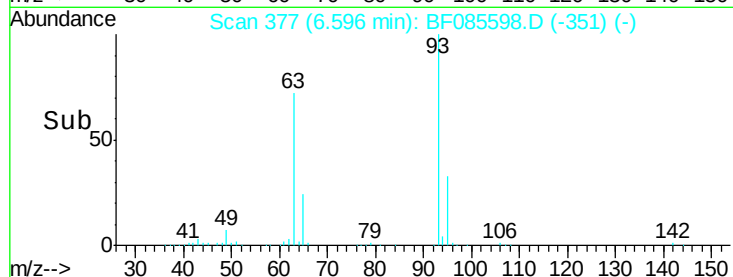
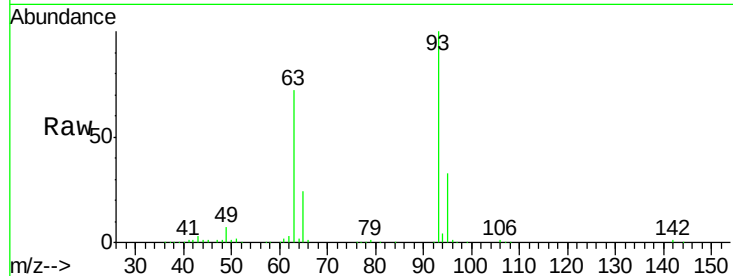




#11
 bis(2-Chloroethyl)ether
 Concen: 44.57 ng
 RT: 6.60 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

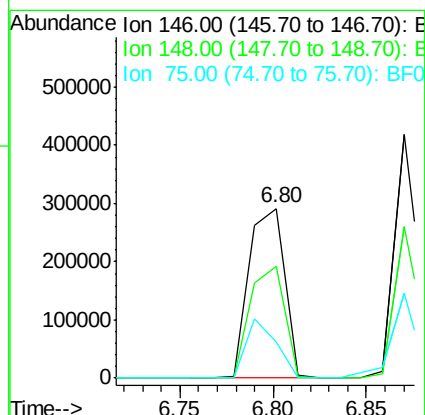
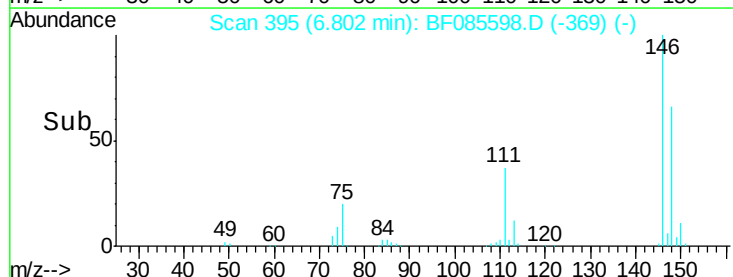
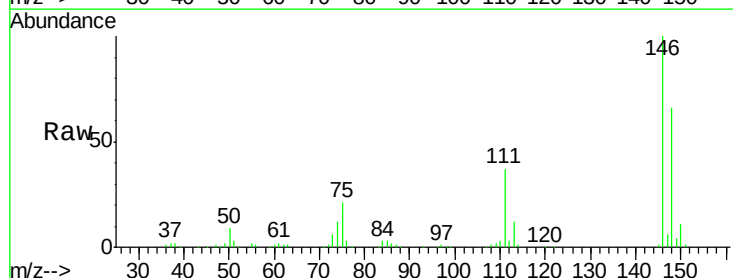
Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)MSD

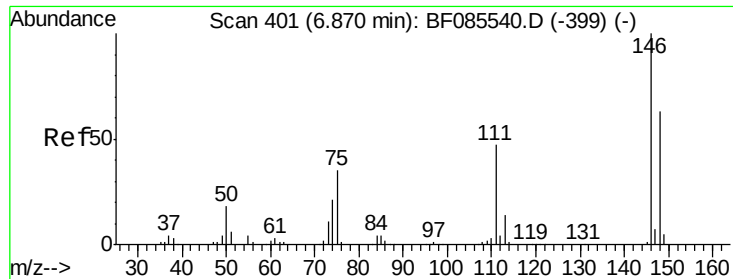
Tgt Ion: 93 Resp: 388026
 Ion Ratio Lower Upper
 93 100
 63 71.5 50.9 90.9
 95 32.9 13.3 53.3



#12
 1,3-Dichlorobenzene
 Concen: 38.76 ng
 RT: 6.80 min Scan# 395
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Tgt Ion: 146 Resp: 386271
 Ion Ratio Lower Upper
 146 100
 148 65.7 52.3 78.5
 75 21.0 17.4 26.2

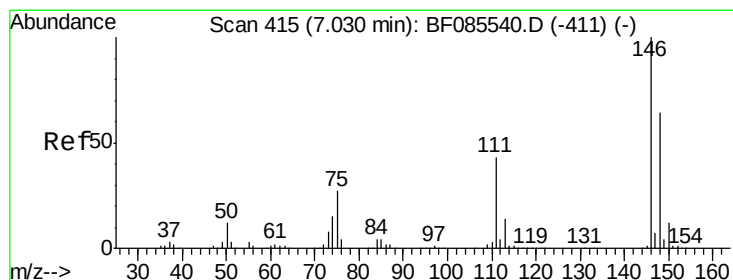
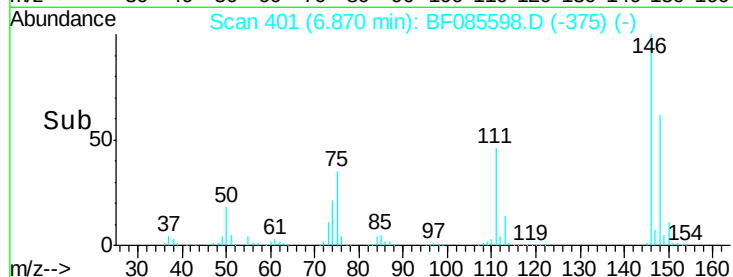
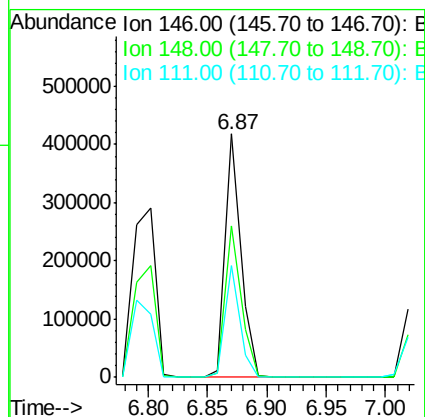
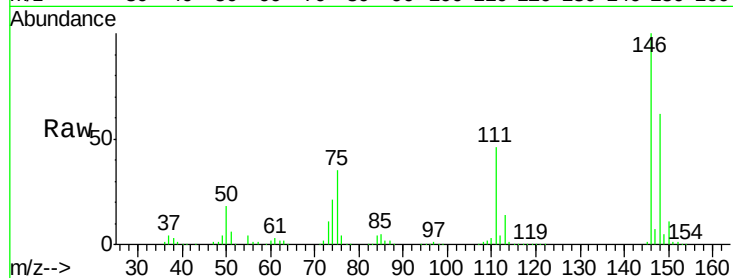




#13
 1,4-Dichlorobenzene
 Concen: 37.61 ng
 RT: 6.87 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

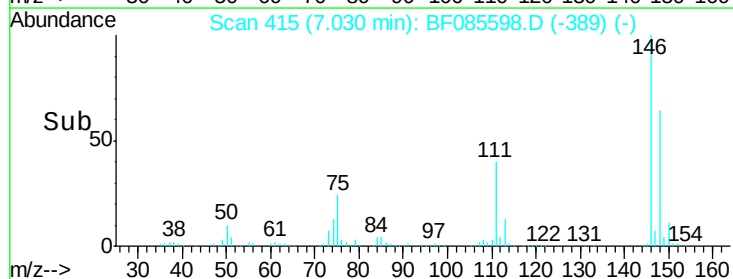
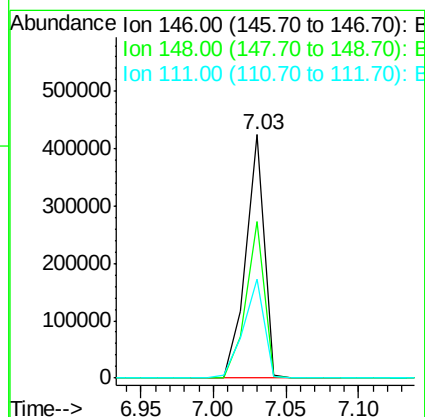
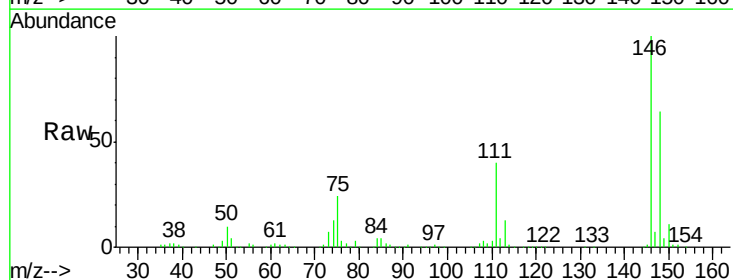
Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)MSD

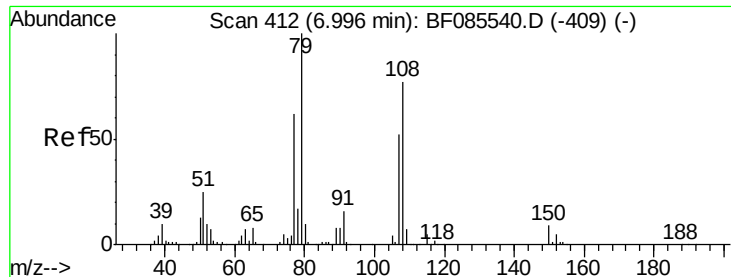
Tgt Ion:146 Resp: 382355
 Ion Ratio Lower Upper
 146 100
 148 62.5 50.6 76.0
 111 46.1 37.8 56.6



#14
 1,2-Dichlorobenzene
 Concen: 41.79 ng
 RT: 7.03 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Tgt Ion:146 Resp: 377197
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.4 77.2
 111 40.4 34.6 52.0





#15

Benzyl Alcohol

Concen: 43.99 ng

RT: 7.00 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

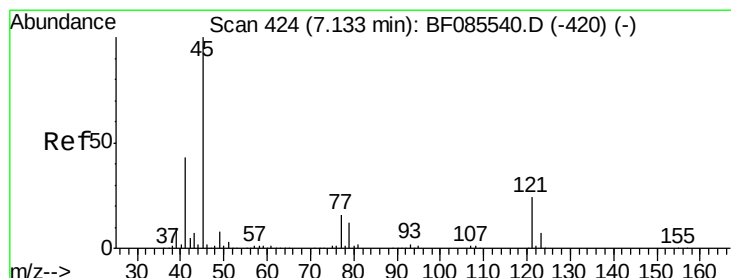
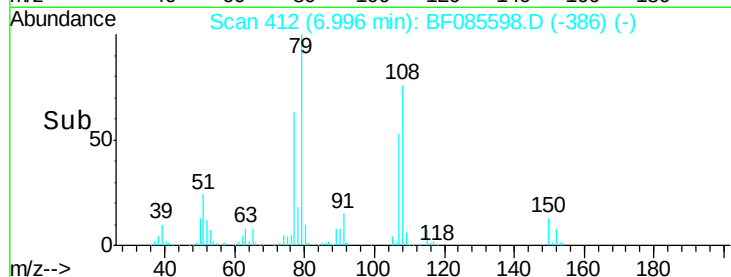
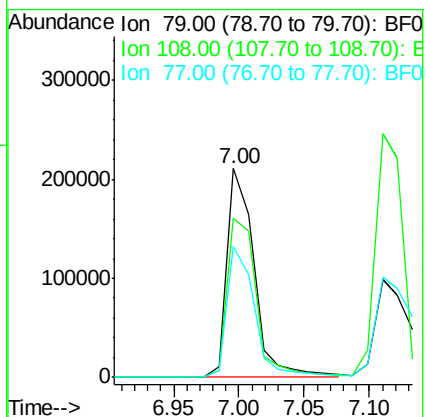
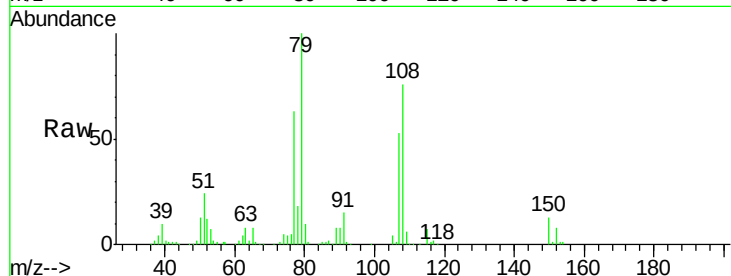
Tgt Ion: 79 Resp: 305502

Ion Ratio Lower Upper

79 100

108 76.2 61.8 92.6

77 62.8 49.6 74.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.72 ng

RT: 7.13 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

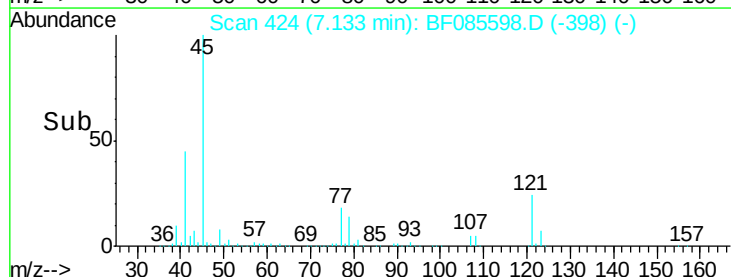
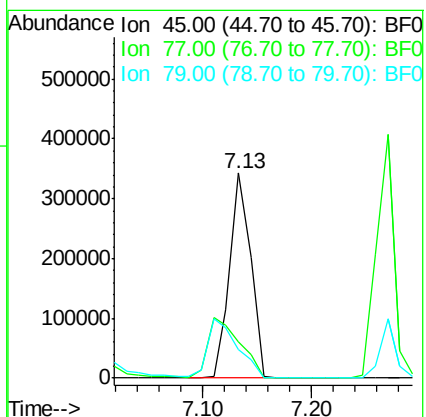
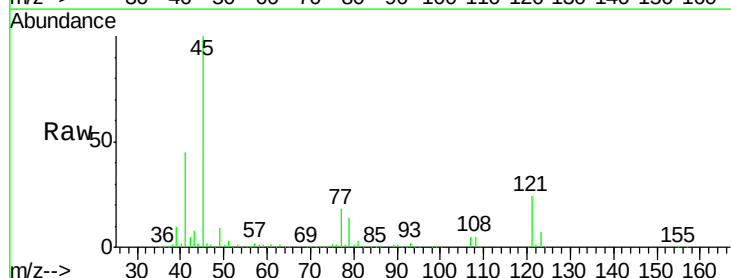
Tgt Ion: 45 Resp: 454776

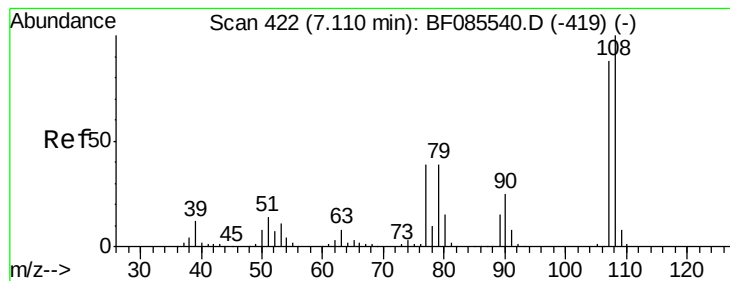
Ion Ratio Lower Upper

45 100

77 17.8 0.0 35.7

79 13.9 0.0 32.2





#17

2-Methylphenol

Concen: 41.19 ng

RT: 7.11 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

Tgt Ion:107 Resp: 312288

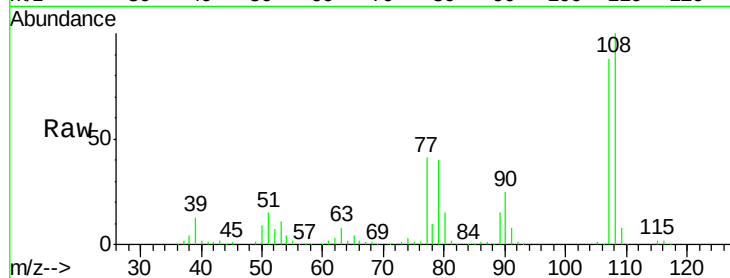
Ion Ratio Lower Upper

107 100

108 114.0 91.4 137.0

77 46.9 36.2 54.2

79 45.5 35.8 53.8

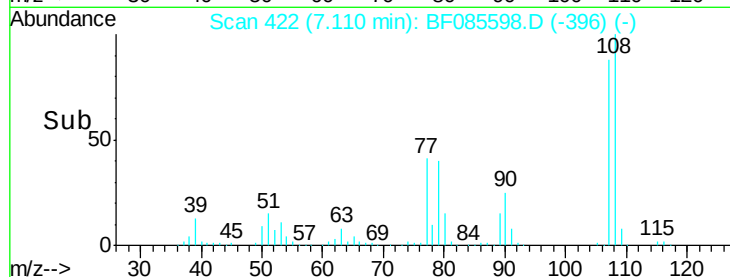


Abundance Ion 107.00 (106.70 to 107.70): E

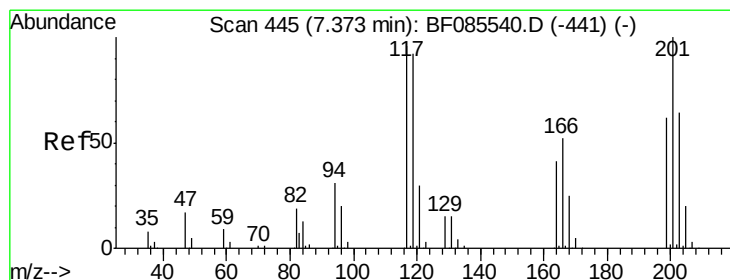
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->



#18

Hexachloroethane

Concen: 37.53 ng

RT: 7.36 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

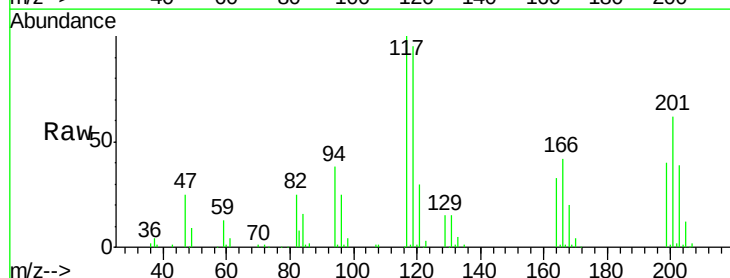
Tgt Ion:117 Resp: 137762

Ion Ratio Lower Upper

117 100

119 94.9 76.7 115.1

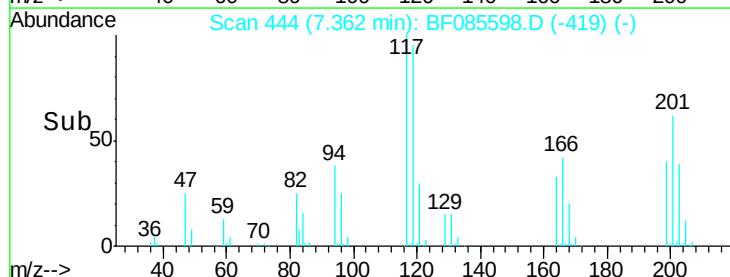
201 62.2 83.3 124.9#



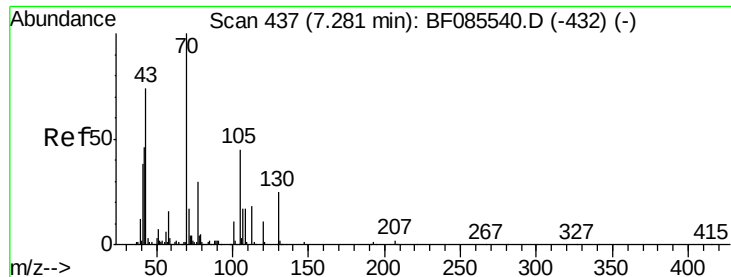
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



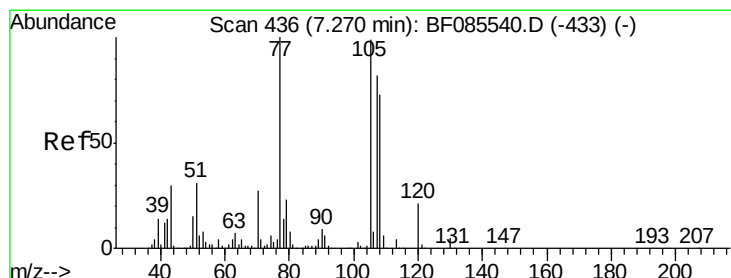
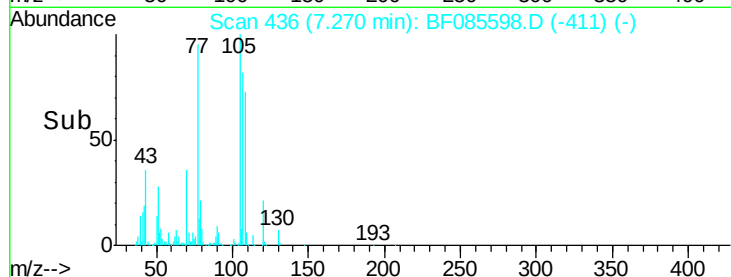
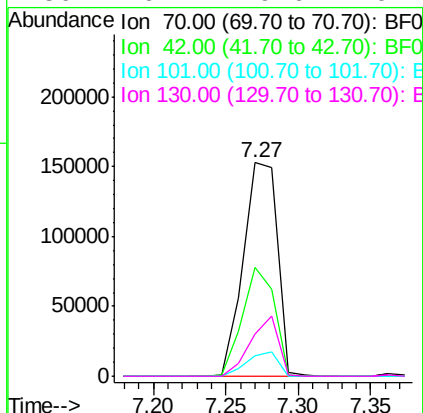
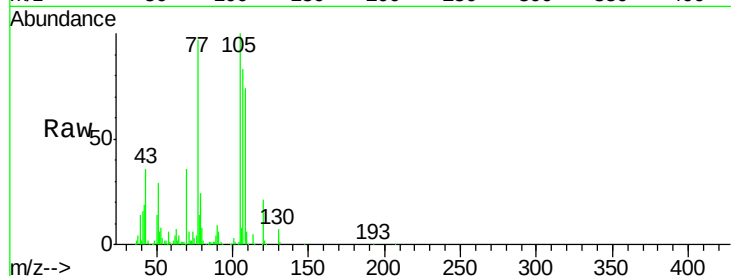
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 41.01 ng
RT: 7.27 min Scan# 436
Delta R.T. -0.01 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

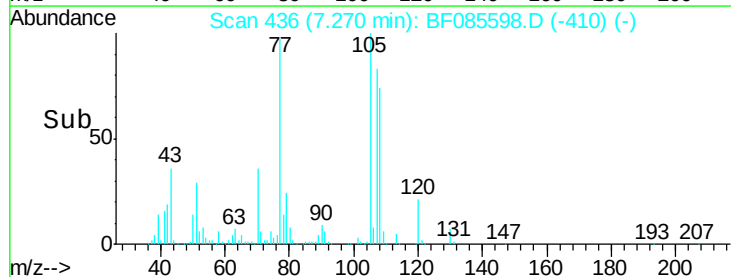
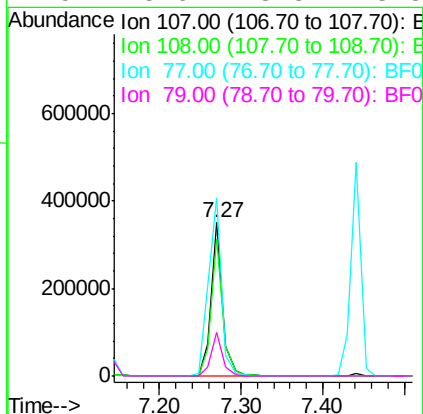
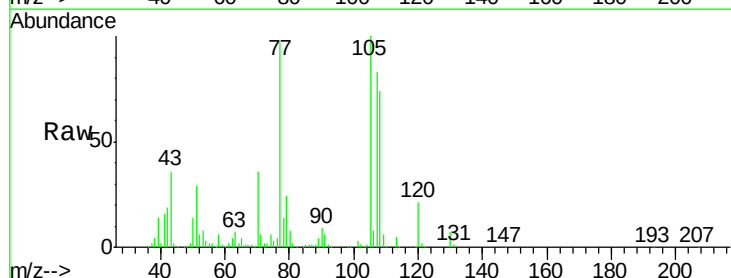
Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)MSD

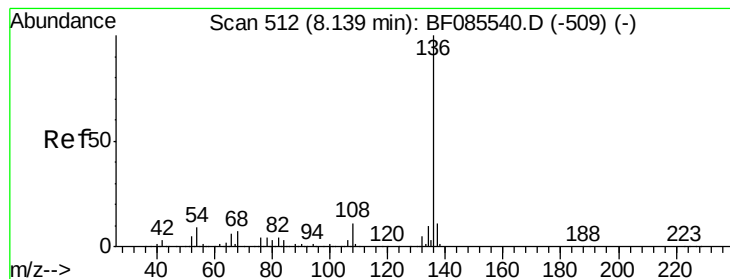
Tgt Ion: 70 Resp: 248346
Ion Ratio Lower Upper
70 100
42 51.1 37.1 55.7
101 9.5 8.6 12.8
130 20.1 19.6 29.4



#20
3+4-Methylphenols
Concen: 40.39 ng
RT: 7.27 min Scan# 436
Delta R.T. 0.00 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

Tgt Ion: 107 Resp: 354593
Ion Ratio Lower Upper
107 100
108 89.7 69.3 109.3
77 116.3 101.7 141.7
79 28.6 8.3 48.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

Tgt Ion:136 Resp: 513795

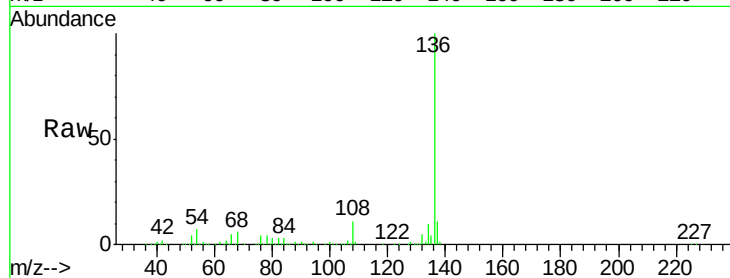
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.5 7.4 11.0

68 6.0 5.8 8.8

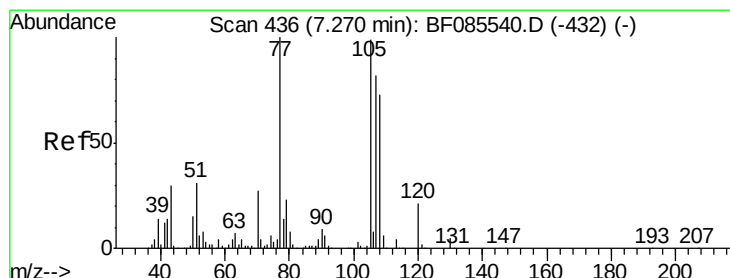
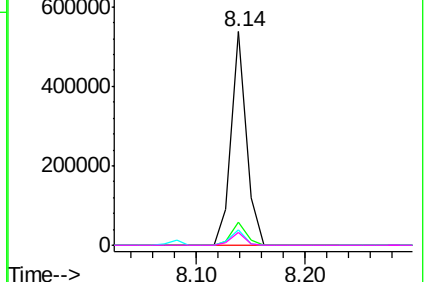
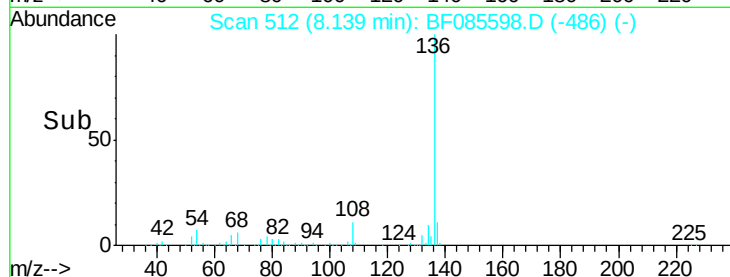


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.45 ng

RT: 7.27 min Scan# 436

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Tgt Ion:105 Resp: 480945

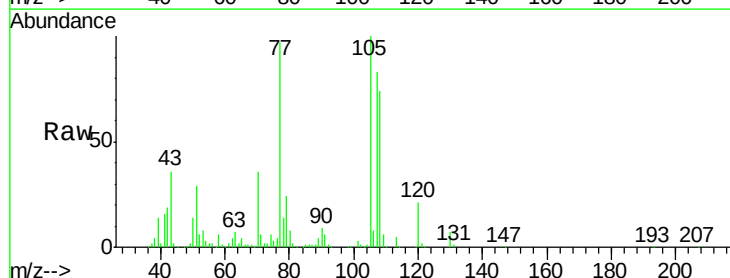
Ion Ratio Lower Upper

105 100

71 6.2 3.6 5.4#

51 29.1 25.4 38.0

120 21.4 16.9 25.3

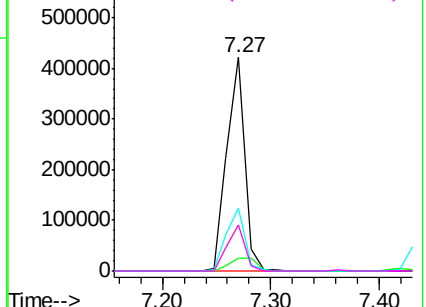
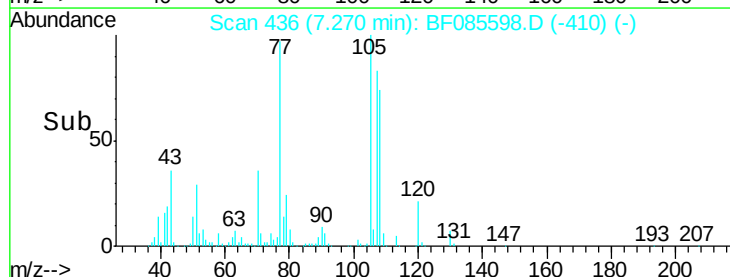


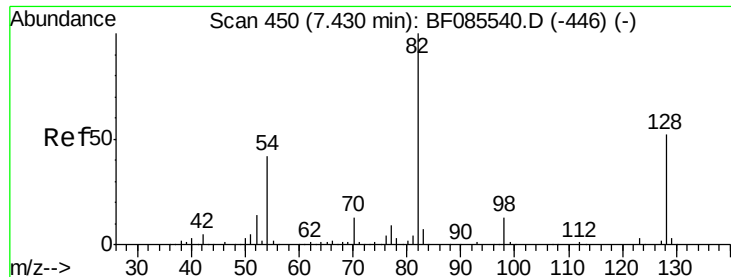
Abundance Ion 105.00 (104.70 to 105.70): E

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

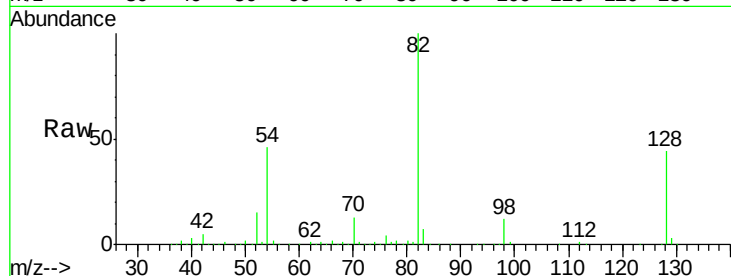




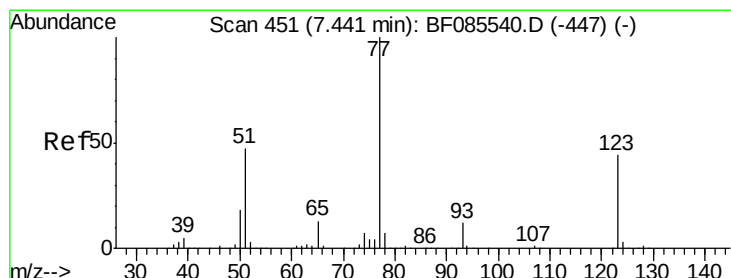
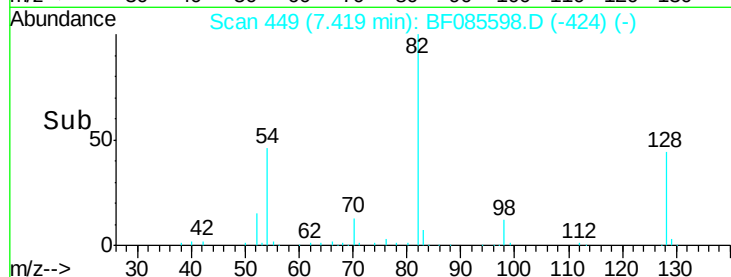
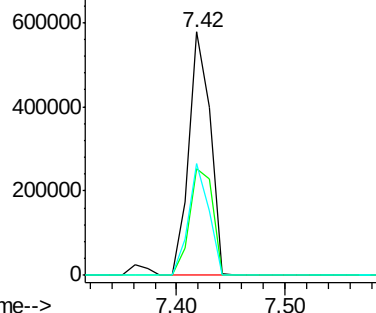
#23
 Nitrobenzene-d5
 Concen: 89.74 ng
 RT: 7.42 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.9	41.8	62.8
54	45.9	33.4	50.0

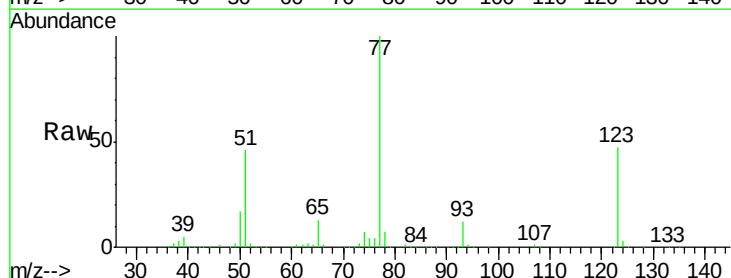


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

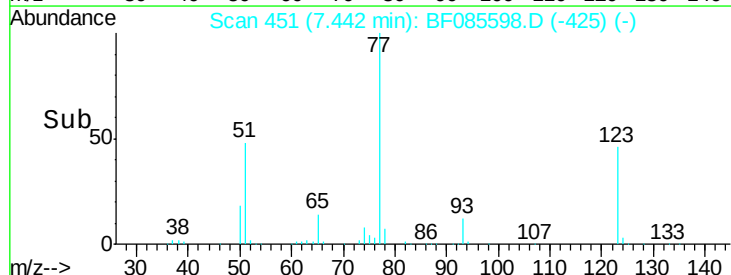
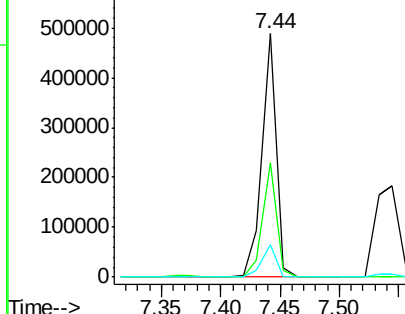


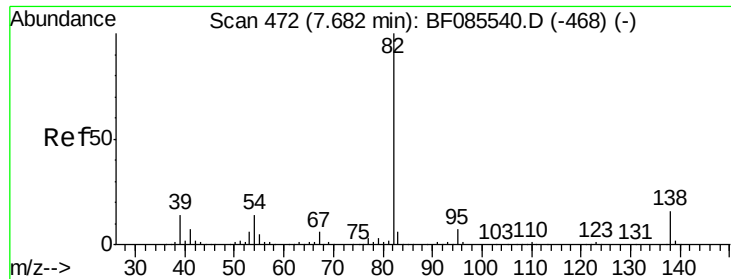
#24
 Nitrobenzene
 Concen: 42.85 ng
 RT: 7.44 min Scan# 451
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.0	35.0	52.4
65	13.2	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: 41.91 ng

RT: 7.68 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

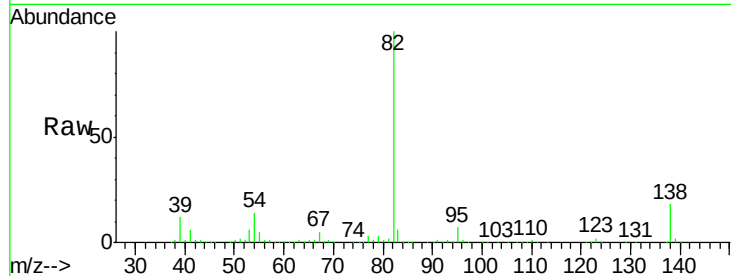
Tgt Ion: 82 Resp: 742655

Ion Ratio Lower Upper

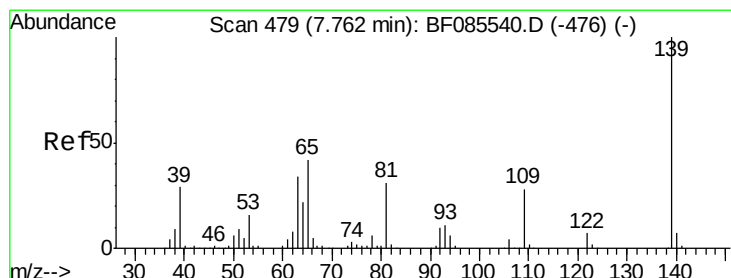
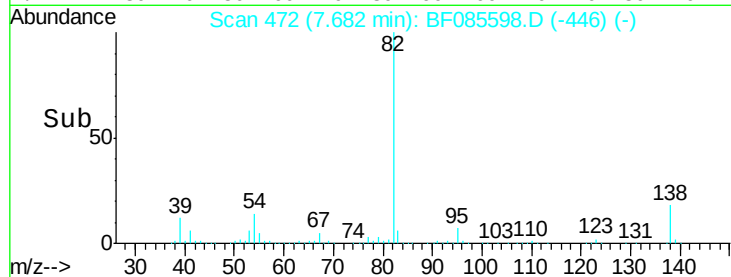
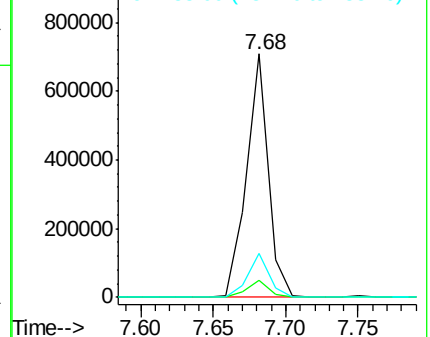
82 100

95 7.3 5.4 8.2

138 18.2 12.9 19.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 43.65 ng

RT: 7.76 min Scan# 479

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

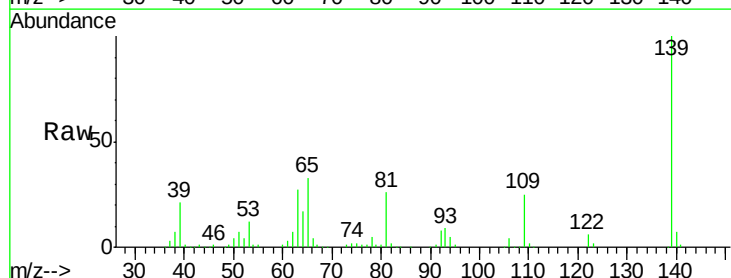
Tgt Ion: 139 Resp: 209017

Ion Ratio Lower Upper

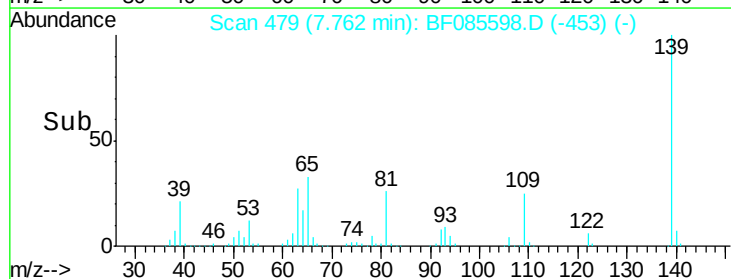
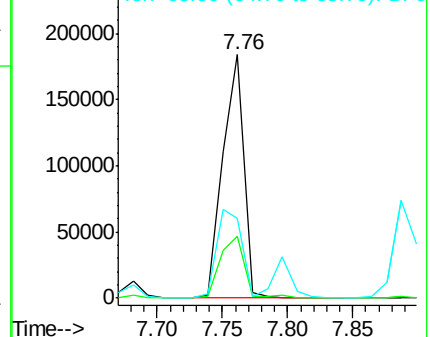
139 100

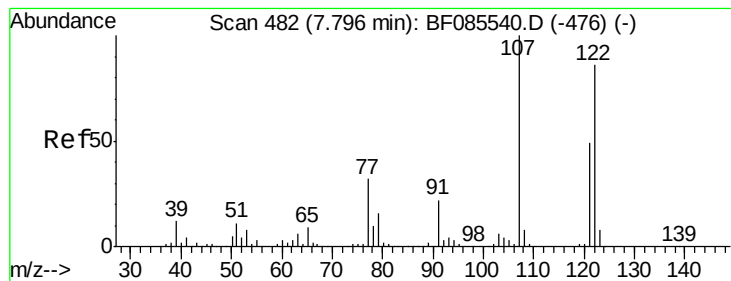
109 25.3 22.1 33.1

65 32.7 33.9 50.9#



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





#27

2,4-Dimethylphenol

Concen: 39.68 ng

RT: 7.80 min Scan# 482

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

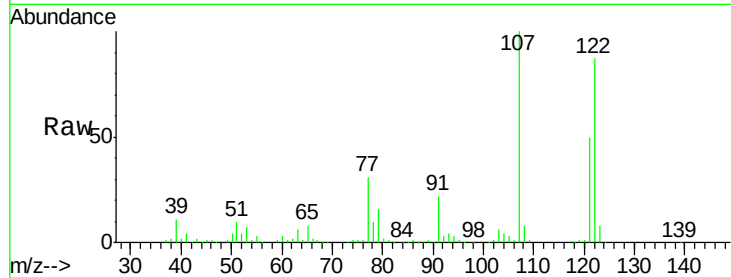
Tgt Ion:122 Resp: 335991

Ion Ratio Lower Upper

122 100

107 114.6 93.0 139.6

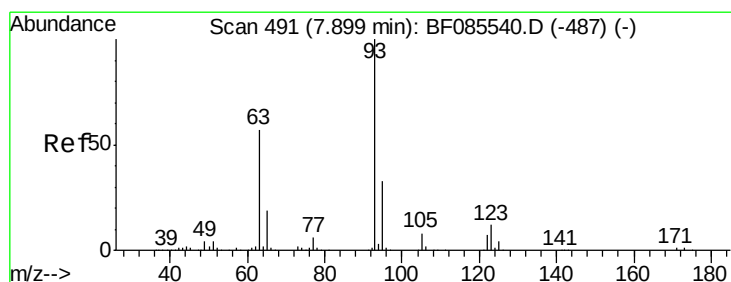
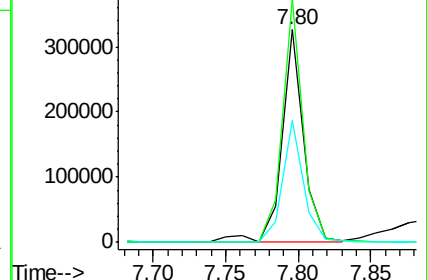
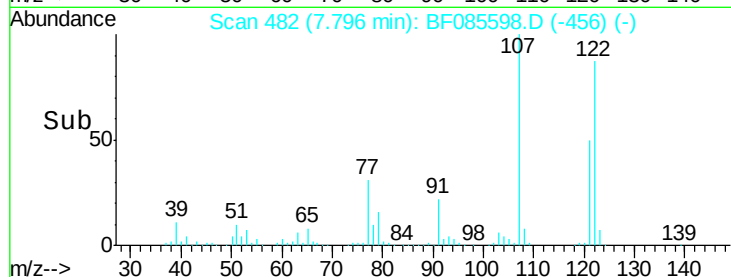
121 57.4 45.9 68.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.74 ng

RT: 7.89 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

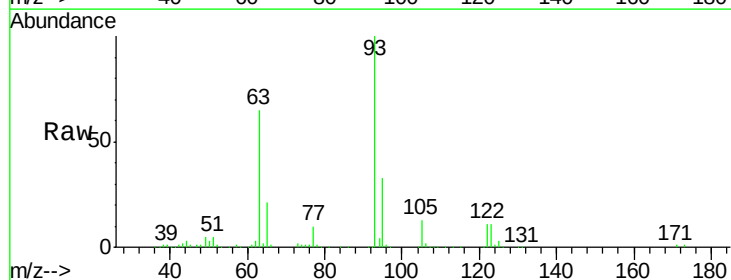
Tgt Ion: 93 Resp: 440916

Ion Ratio Lower Upper

93 100

95 33.0 26.4 39.6

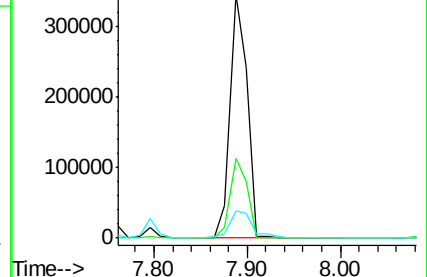
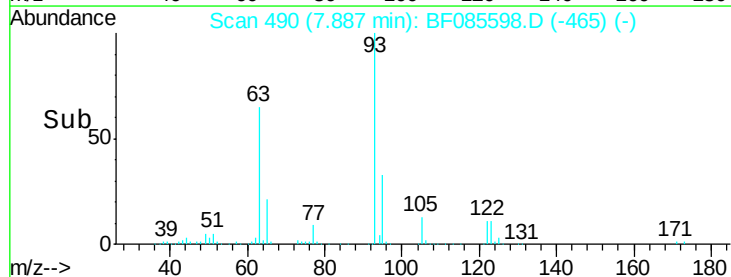
123 11.0 9.8 14.6

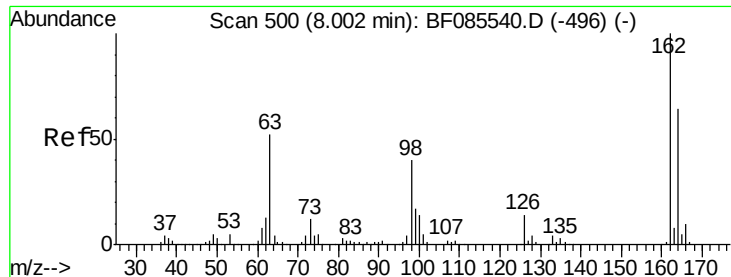


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

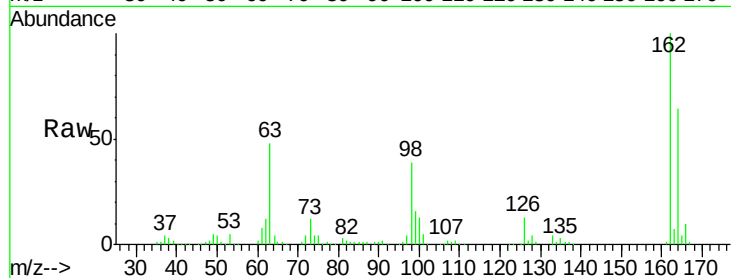




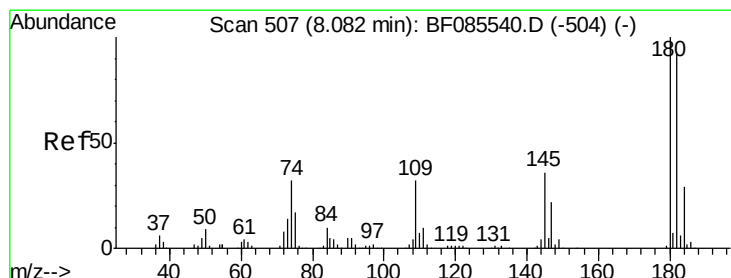
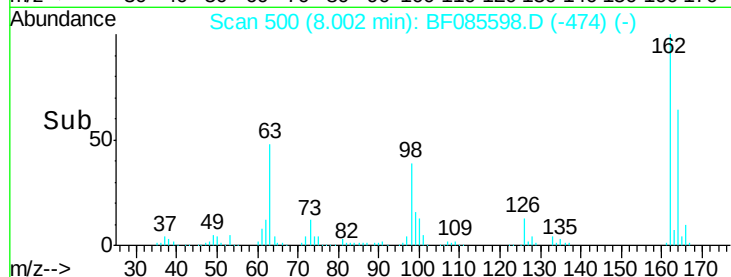
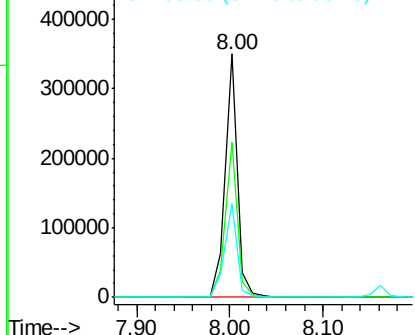
#29
 2,4-Dichlorophenol
 Concen: 45.00 ng
 RT: 8.00 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)MSD

Tgt Ion:162 Resp: 314699
 Ion Ratio Lower Upper
 162 100
 164 64.0 43.7 83.7
 98 38.7 20.4 60.4

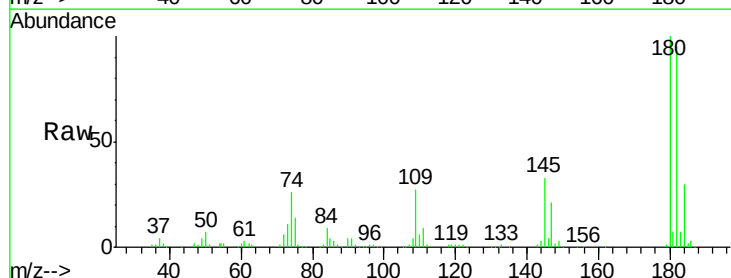


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

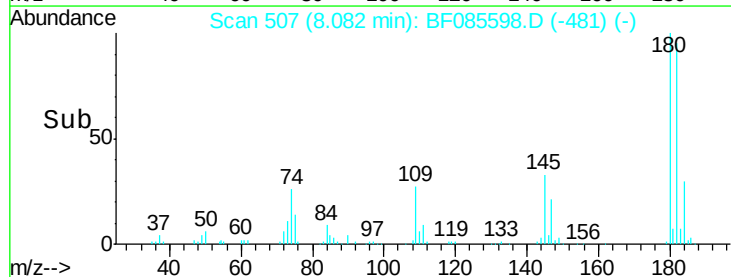
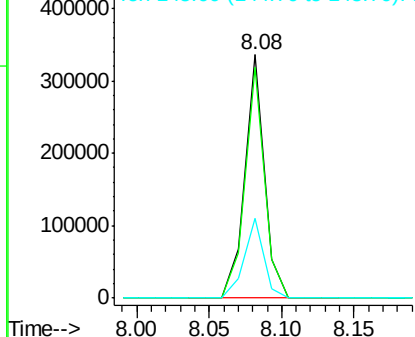


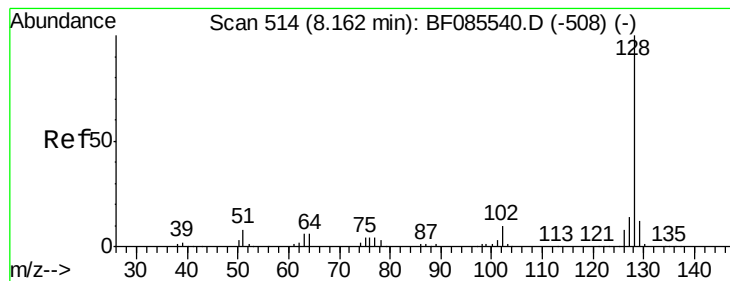
#30
 1,2,4-Trichlorobenzene
 Concen: 40.17 ng
 RT: 8.08 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Tgt Ion:180 Resp: 314666
 Ion Ratio Lower Upper
 180 100
 182 94.9 73.8 110.8
 145 32.9 28.4 42.6



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: 43.70 ng

RT: 8.16 min Scan# 514

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

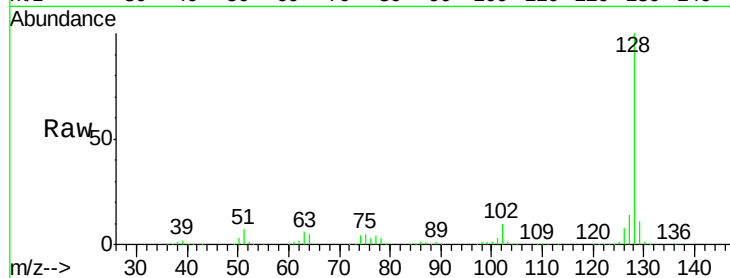
Tgt Ion:128 Resp: 1133253

Ion Ratio Lower Upper

128 100

129 11.5 9.4 14.0

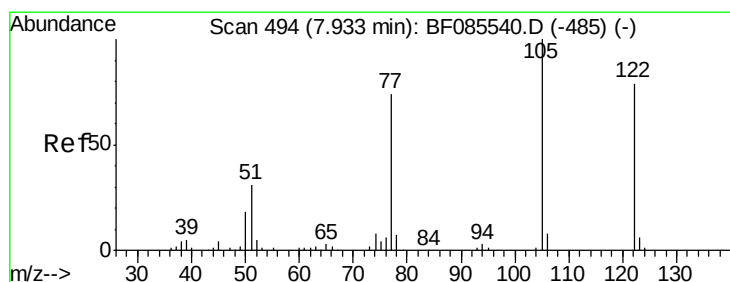
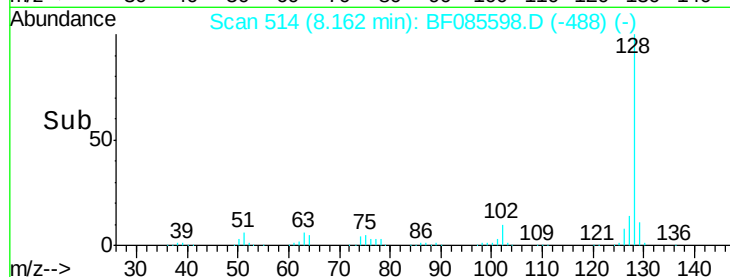
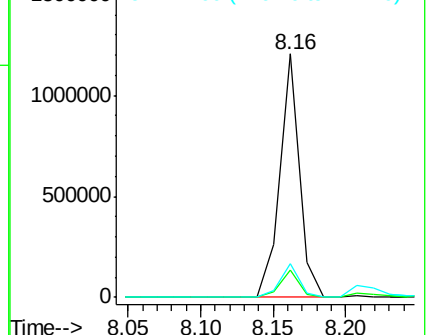
127 13.7 11.0 16.6



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: 31.54 ng

RT: 7.92 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

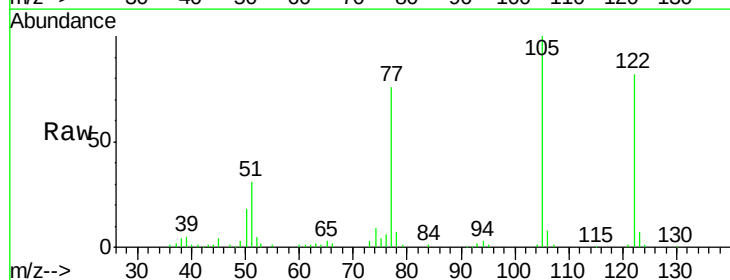
Tgt Ion:122 Resp: 223325

Ion Ratio Lower Upper

122 100

105 121.3 102.9 142.9

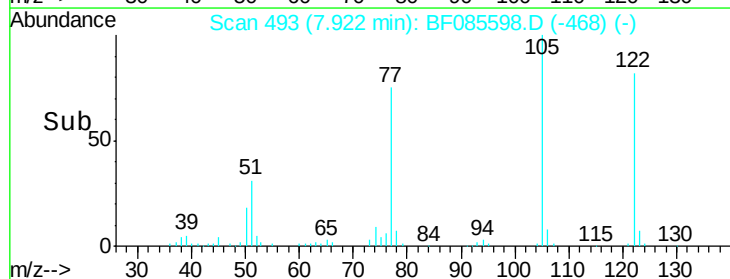
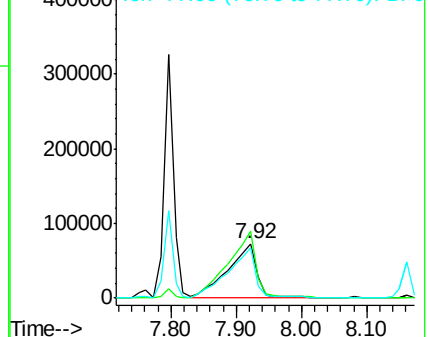
77 92.4 71.8 111.8

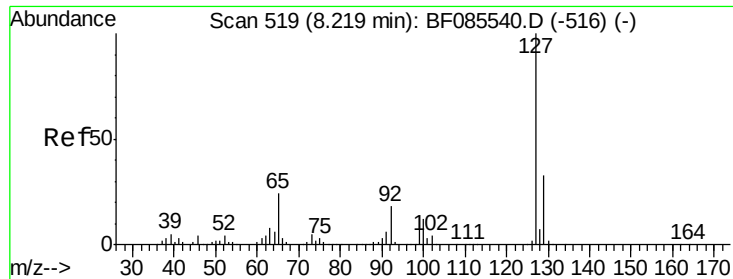


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

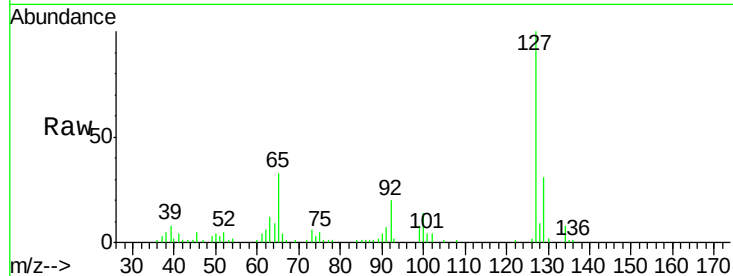




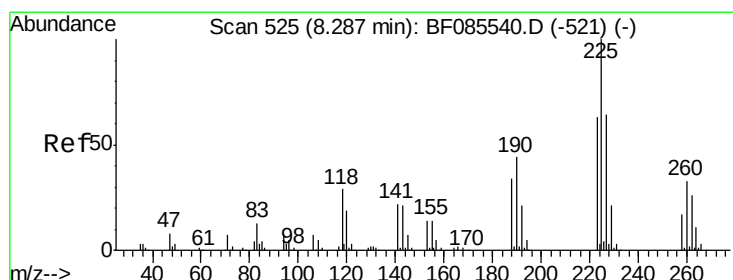
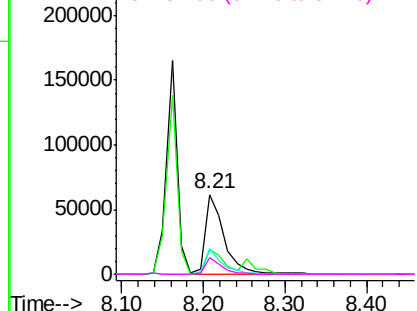
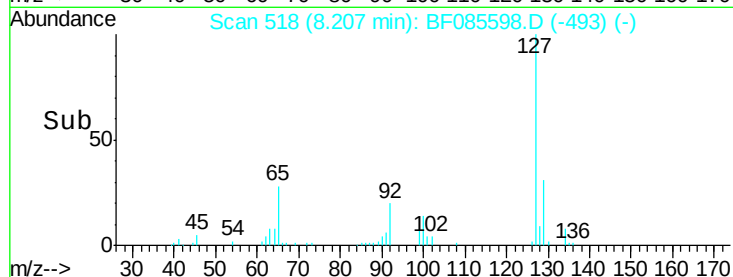
#33
4-Chloroaniline
Concen: 9.58 ng
RT: 8.21 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)MSD

Tgt Ion:	127	Resp:	101829
Ion	Ratio	Lower	Upper
127	100		
129	30.8	26.1	39.1
65	32.5	19.5	29.3
92	20.3	14.6	22.0

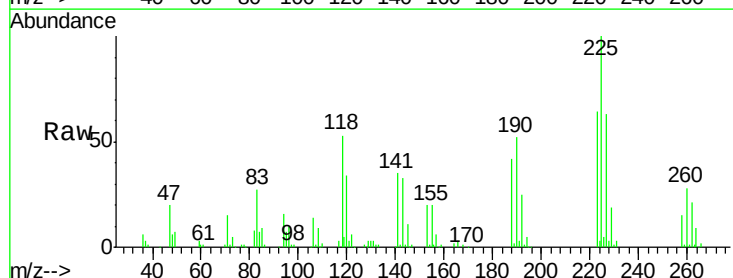


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

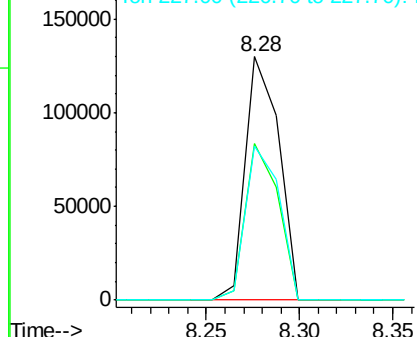
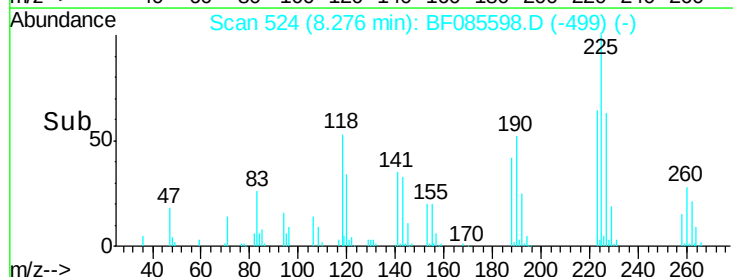


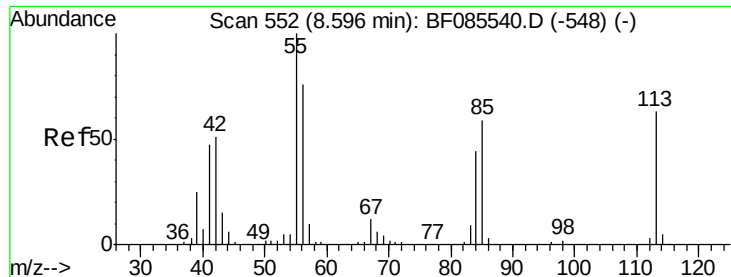
#34
Hexachlorobutadiene
Concen: 38.84 ng
RT: 8.28 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

Tgt Ion:	225	Resp:	162154
Ion	Ratio	Lower	Upper
225	100		
223	64.4	50.4	75.6
227	63.1	51.4	77.2



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

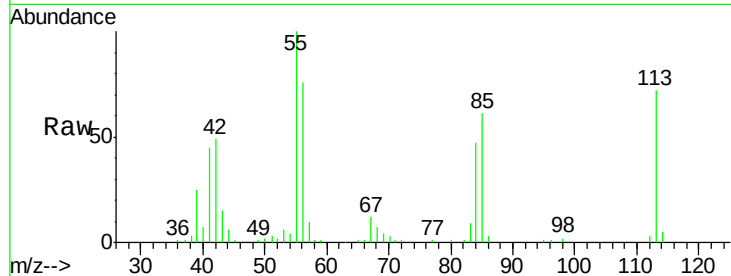




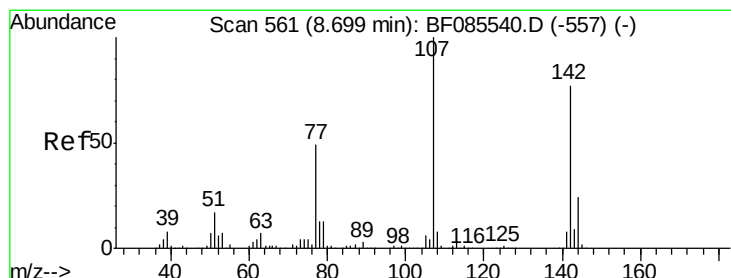
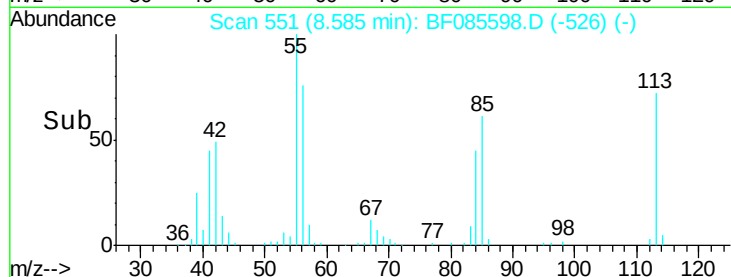
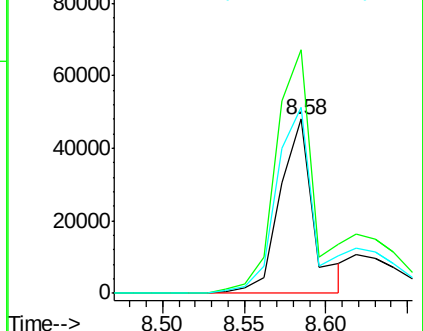
#35
 Caprolactam
 Concen: 28.66 ng
 RT: 8.58 min Scan# 551
 Delta R.T. -0.01 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)MSD

Tgt Ion:113 Resp: 68949
 Ion Ratio Lower Upper
 113 100
 55 139.6 139.4 179.4
 56 106.4 100.4 140.4

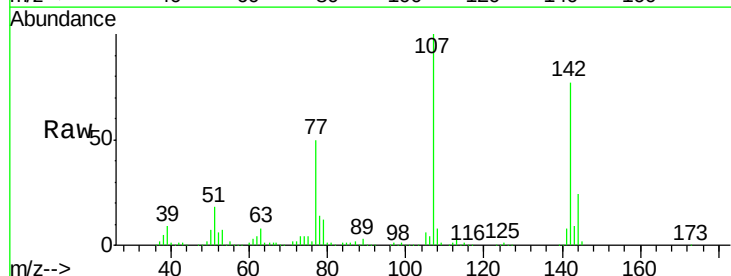


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

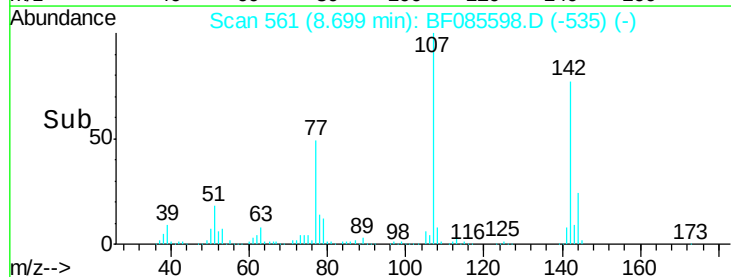
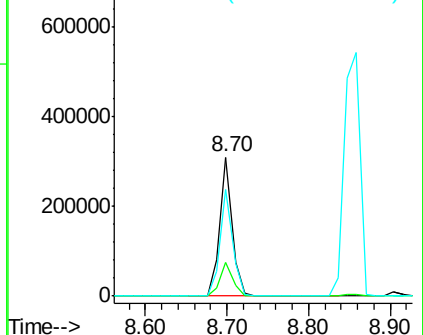


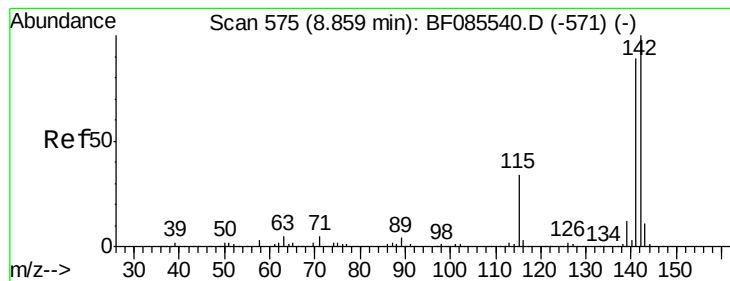
#36
 4-Chloro-3-methylphenol
 Concen: 40.30 ng
 RT: 8.70 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Tgt Ion:107 Resp: 329168
 Ion Ratio Lower Upper
 107 100
 144 24.4 19.3 28.9
 142 76.6 61.4 92.0



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 46.66 ng

RT: 8.86 min Scan# 575

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

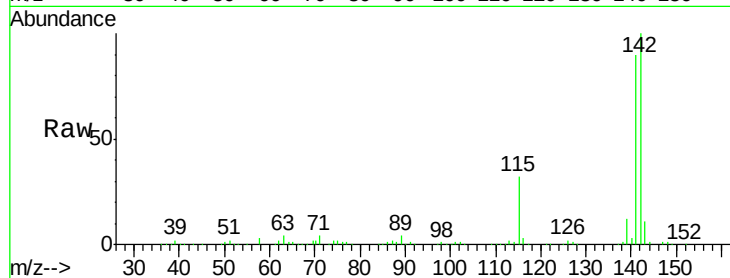
Tgt Ion:142 Resp: 737534

Ion Ratio Lower Upper

142 100

141 89.9 71.6 107.4

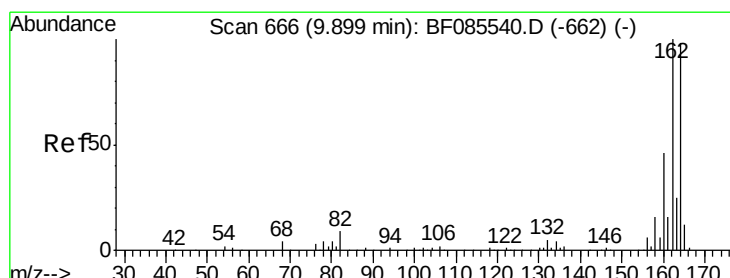
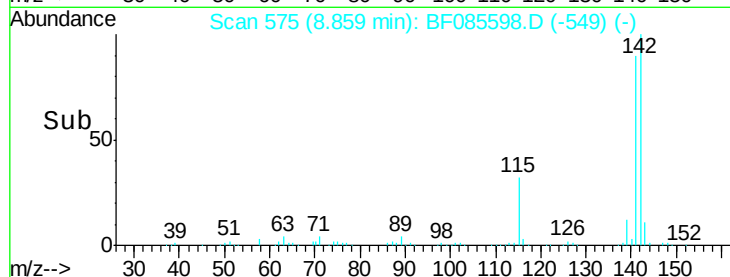
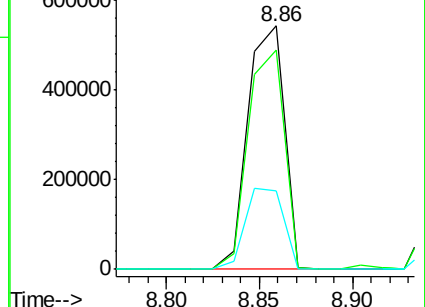
115 32.0 26.8 40.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

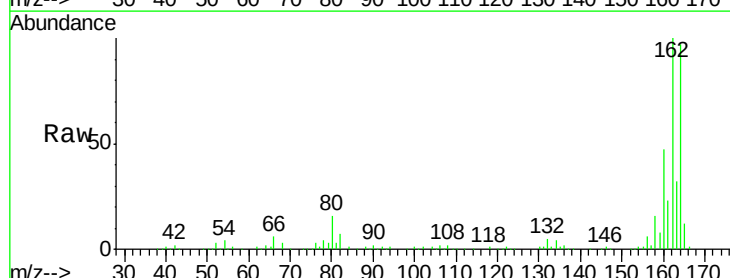
Tgt Ion:164 Resp: 231547

Ion Ratio Lower Upper

164 100

162 103.2 82.1 123.1

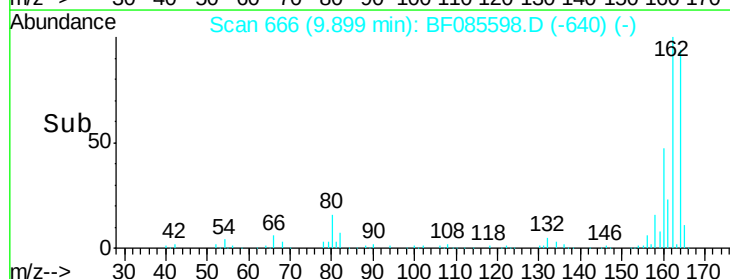
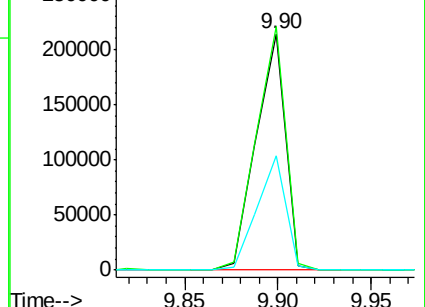
160 48.2 37.4 56.2

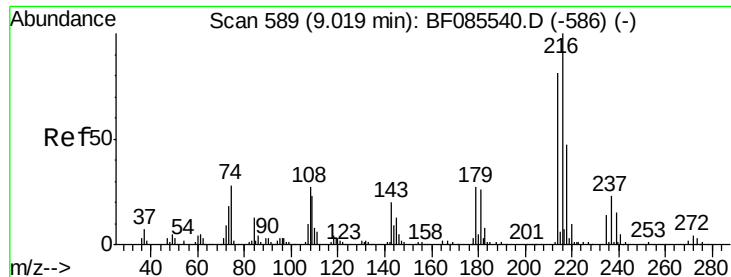


Abundance Ion 164.00 (163.70 to 164.70): E

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: 39.27 ng

RT: 9.02 min Scan# 589

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

Tgt Ion:216 Resp: 275820

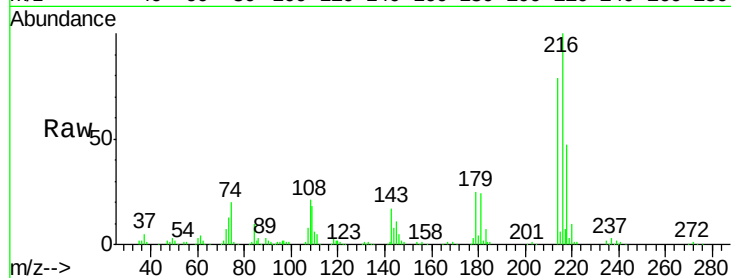
Ion Ratio Lower Upper

216 100

214 78.5 63.1 94.7

179 24.2 18.2 27.2

108 22.6 17.3 25.9

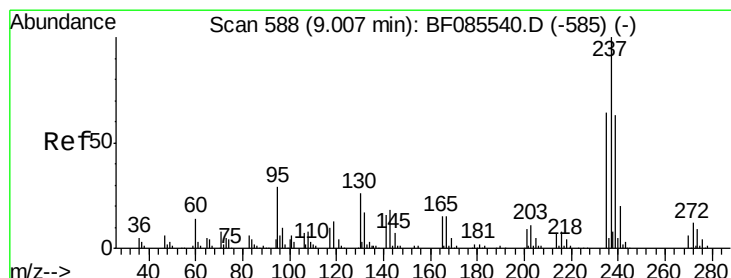
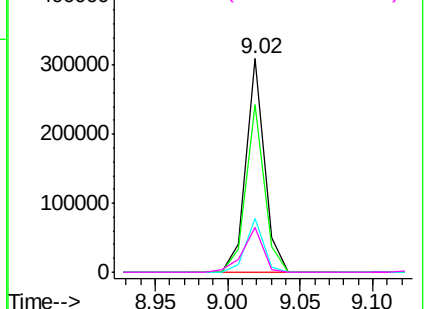
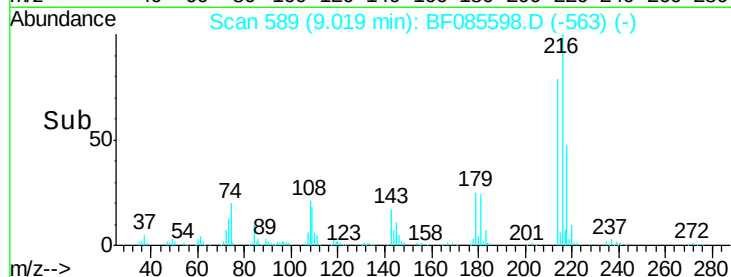


Abundance Ion 216.00 (215.70 to 216.70): E

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: 45.82 ng

RT: 9.01 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

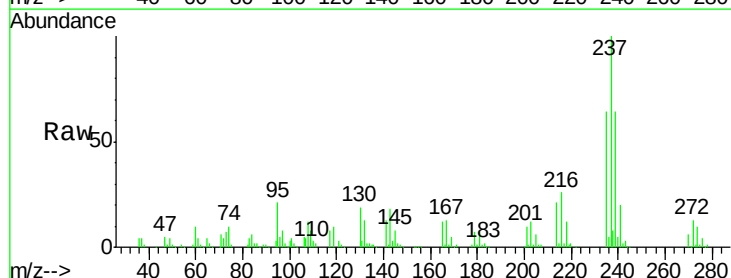
Tgt Ion:237 Resp: 145058

Ion Ratio Lower Upper

237 100

235 64.4 43.7 83.7

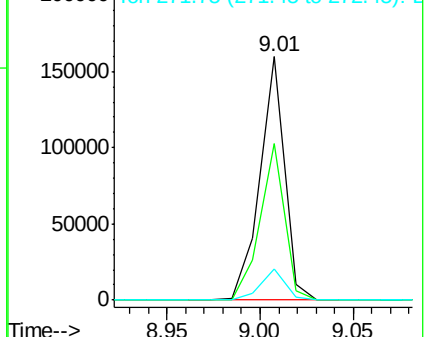
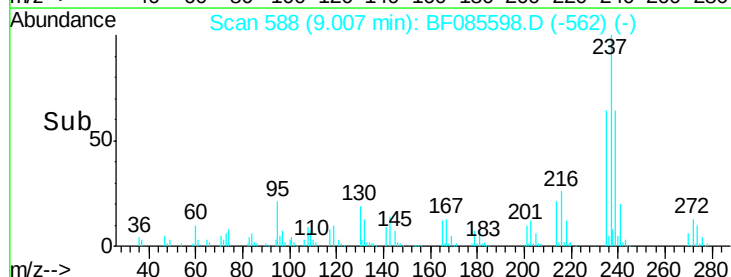
272 12.8 0.0 31.9

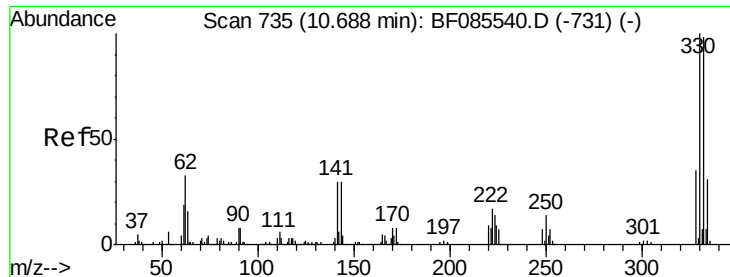


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

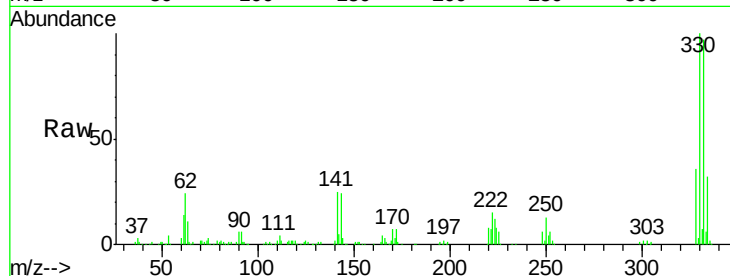




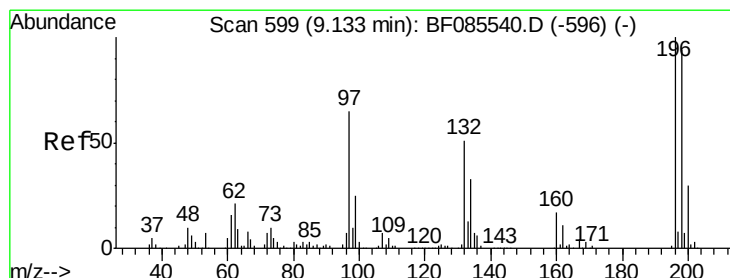
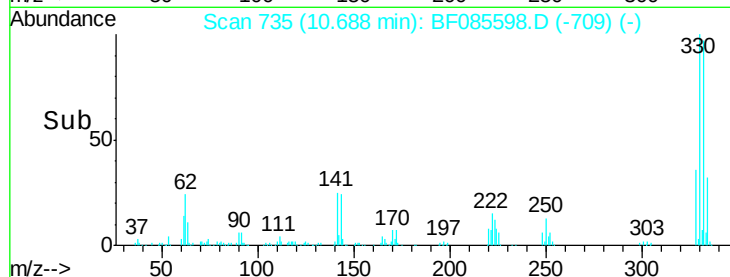
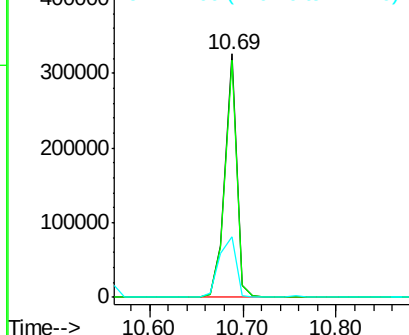
#41
 2,4,6-Tribromophenol
 Concen: 127.37 ng
 RT: 10.69 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)MSD

Tgt Ion:330 Resp: 288905
 Ion Ratio Lower Upper
 330 100
 332 97.2 78.2 117.2
 141 35.5 31.5 47.3

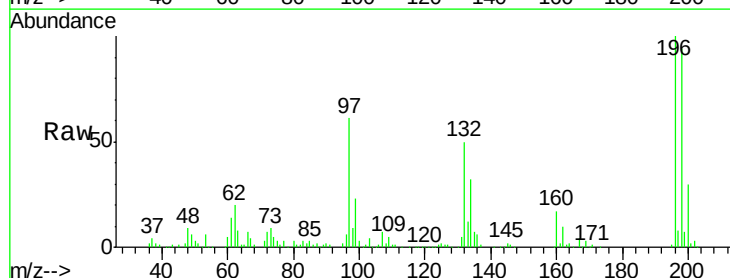


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

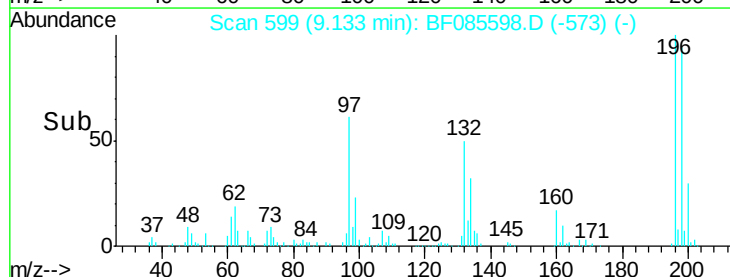
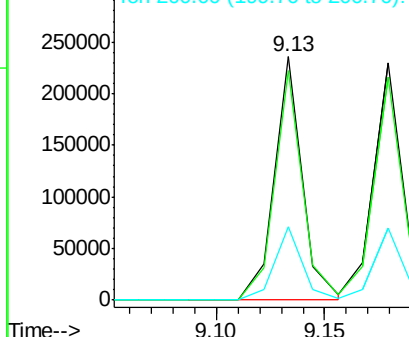


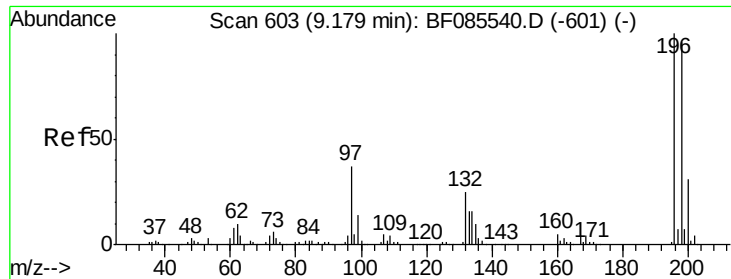
#42
 2,4,6-Trichlorophenol
 Concen: 44.10 ng
 RT: 9.13 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Tgt Ion:196 Resp: 212012
 Ion Ratio Lower Upper
 196 100
 198 94.2 75.3 112.9
 200 30.1 23.7 35.5



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

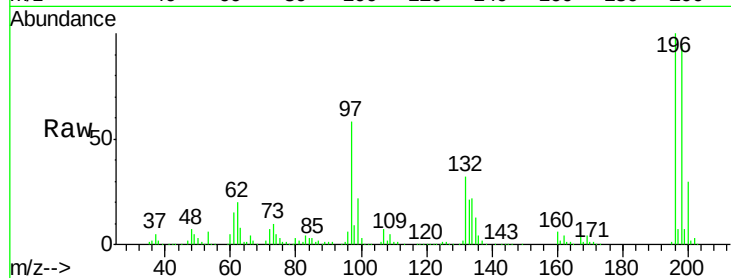




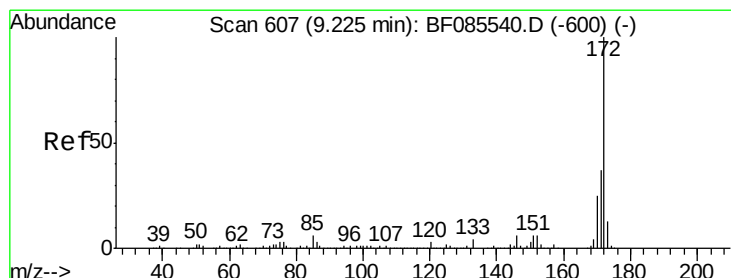
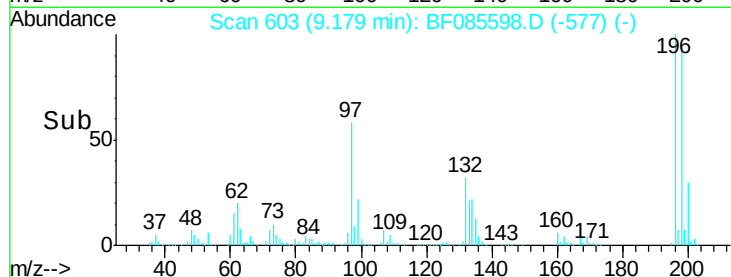
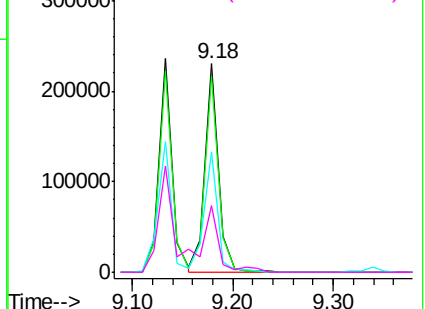
#43
 2,4,5-Trichlorophenol
 Concen: 44.03 ng
 RT: 9.18 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)MSD

Tgt Ion:196 Resp: 215442
 Ion Ratio Lower Upper
 196 100
 198 94.2 76.6 114.8
 97 57.9 30.5 45.7#
 132 32.3 20.2 30.2#

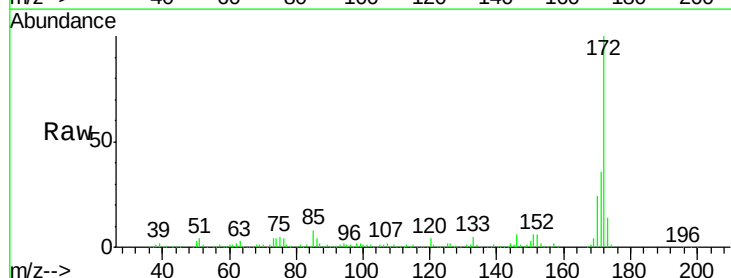


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

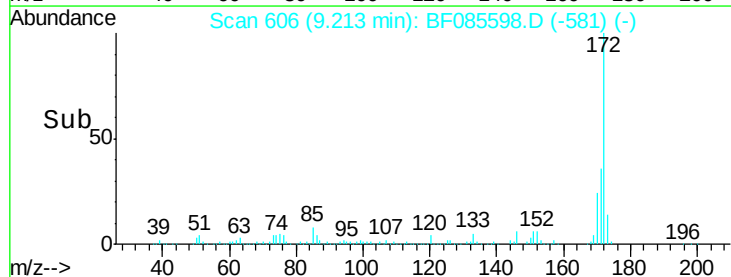
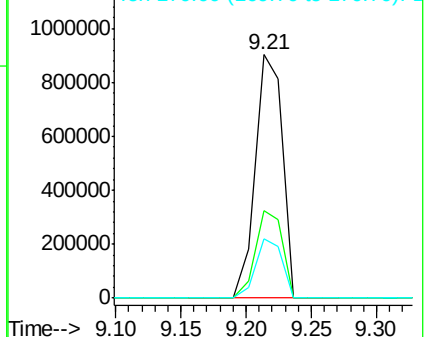


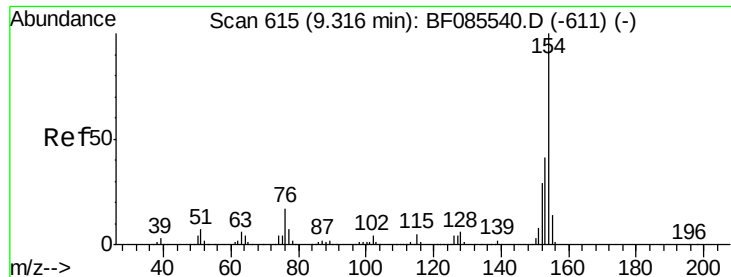
#44
 2-Fluorobiphenyl
 Concen: 101.26 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Tgt Ion:172 Resp: 1308948
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.2
 170 24.2 19.8 29.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 38.54 ng

RT: 9.32 min Scan# 615

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

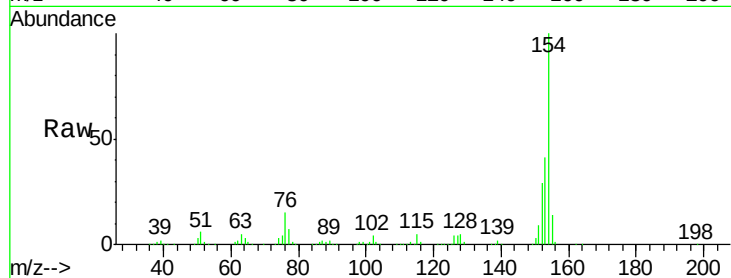
Tgt Ion:154 Resp: 769844

Ion Ratio Lower Upper

154 100

153 41.3 20.8 60.8

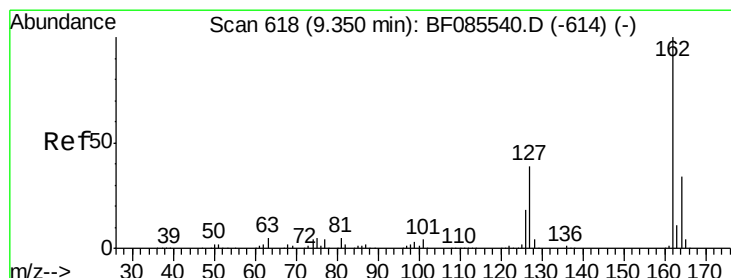
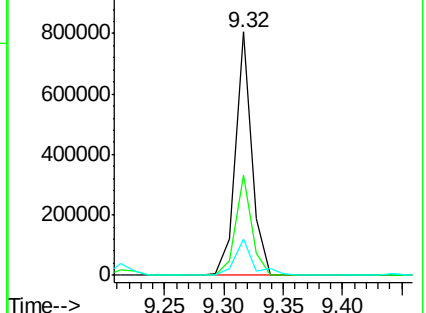
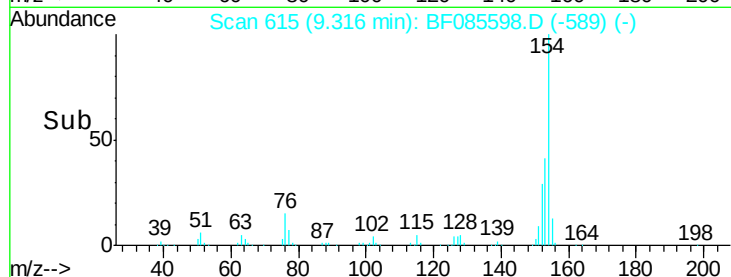
76 14.6 0.0 36.7



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: 40.92 ng

RT: 9.34 min Scan# 617

Delta R.T. -0.01 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

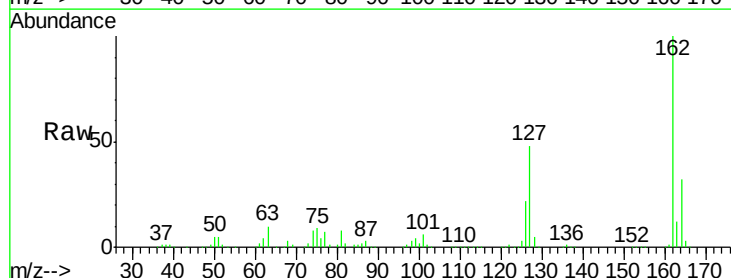
Tgt Ion:162 Resp: 597097

Ion Ratio Lower Upper

162 100

127 47.6 31.7 47.5#

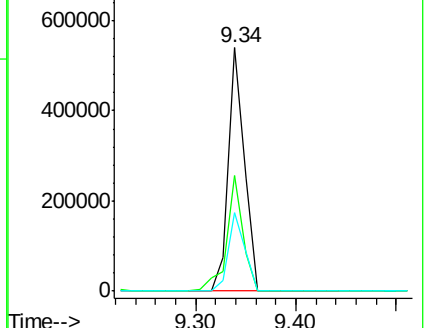
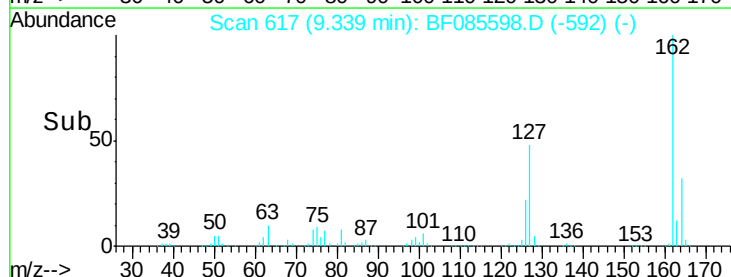
164 32.4 27.3 40.9

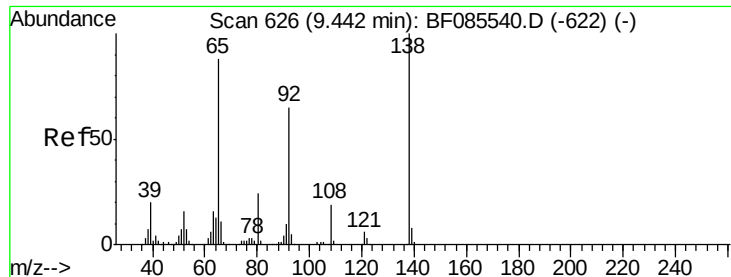


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

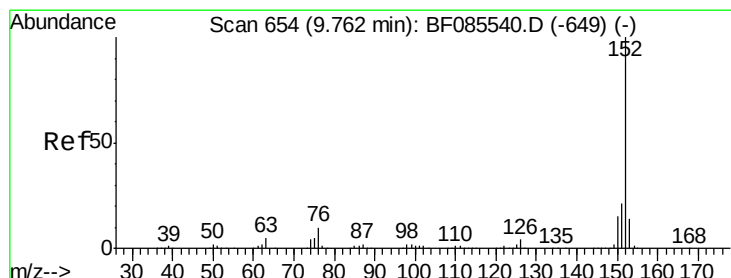
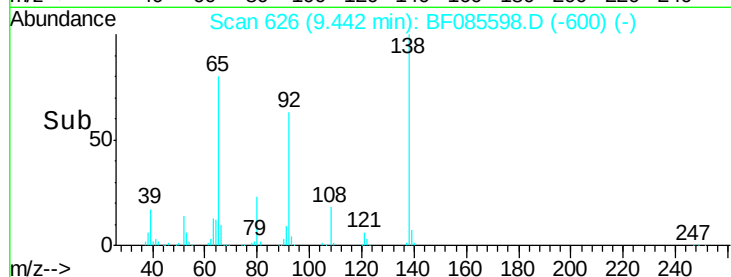
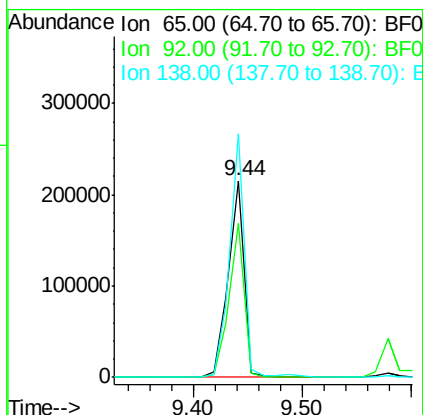
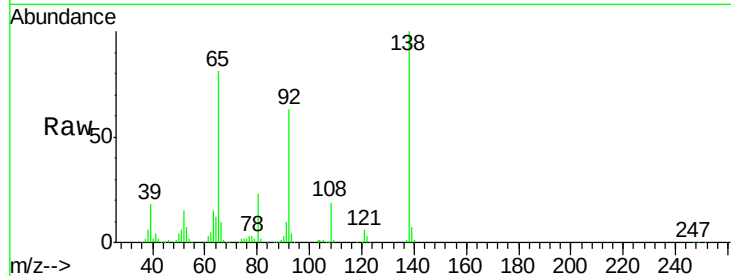




#47
2-Nitroaniline
Concen: 49.04 ng
RT: 9.44 min Scan# 626
Delta R.T. 0.00 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

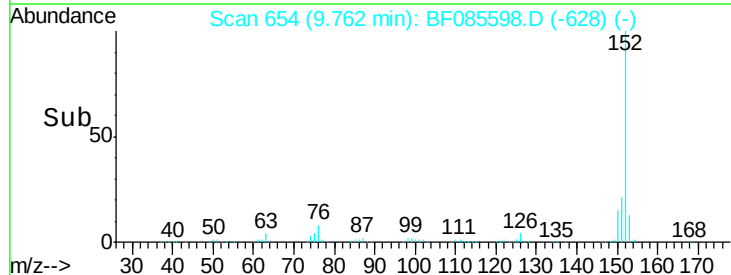
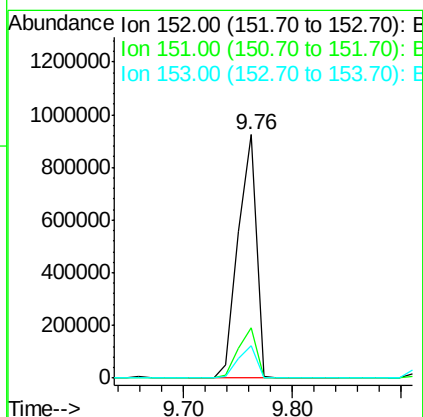
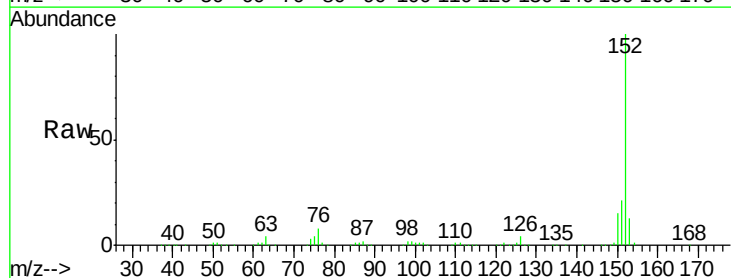
Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)MSD

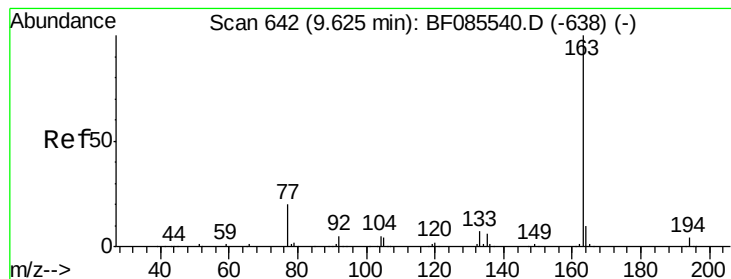
Tgt Ion: 65 Resp: 216464
Ion Ratio Lower Upper
65 100
92 78.1 59.7 89.5
138 123.8 91.4 137.0



#48
Acenaphthylene
Concen: 44.71 ng
RT: 9.76 min Scan# 654
Delta R.T. 0.00 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

Tgt Ion: 152 Resp: 1055823
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2
153 13.2 10.9 16.3





#49

Dimethylphthalate

Concen: 46.40 ng

RT: 9.62 min Scan# 642

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

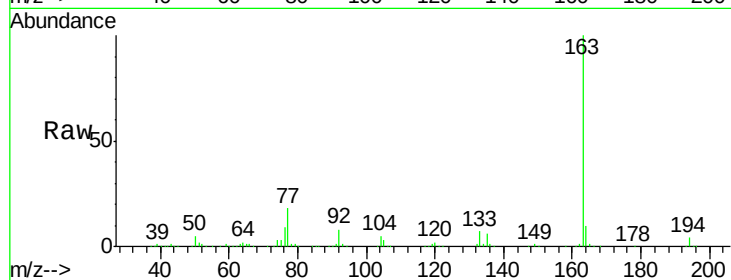
Tgt Ion:163 Resp: 810665

Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

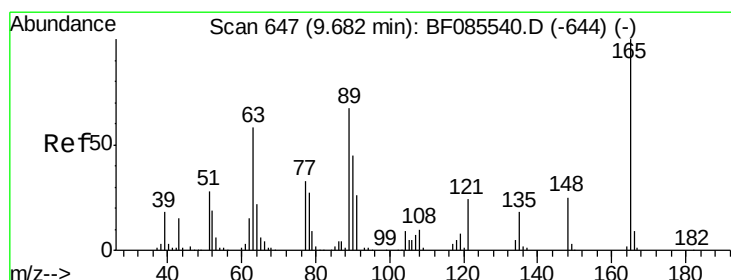
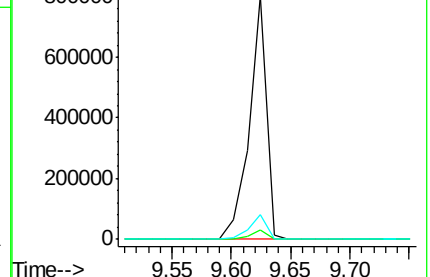
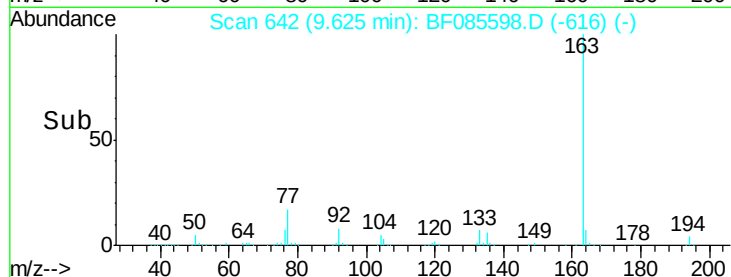
164 10.2 8.3 12.5



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: 42.79 ng

RT: 9.68 min Scan# 647

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

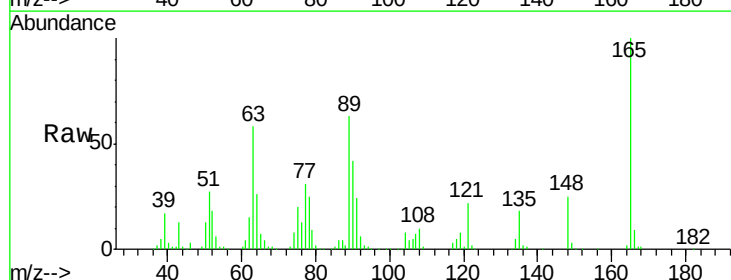
Tgt Ion:165 Resp: 157858

Ion Ratio Lower Upper

165 100

63 58.5 51.8 77.8

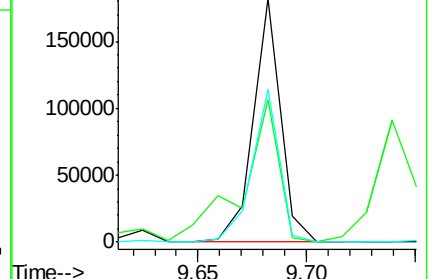
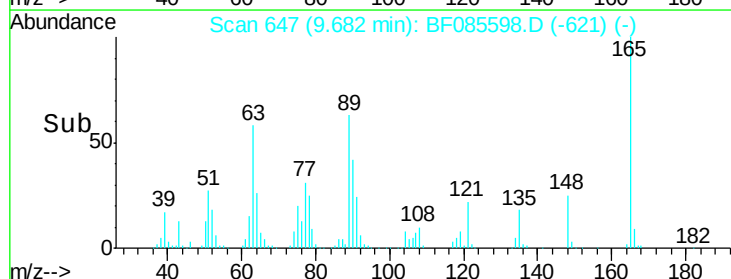
89 62.9 53.7 80.5

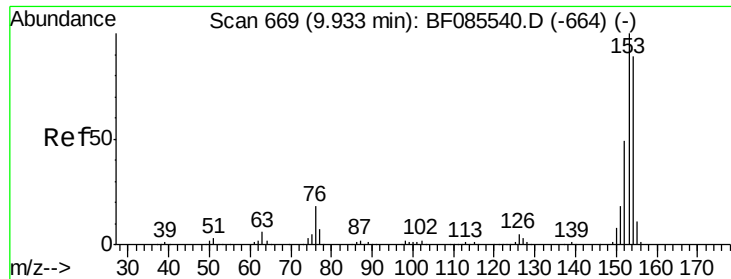


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

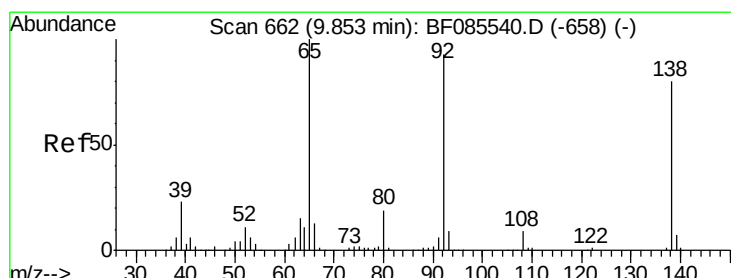
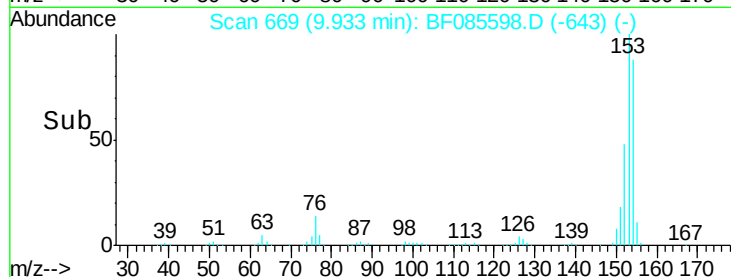
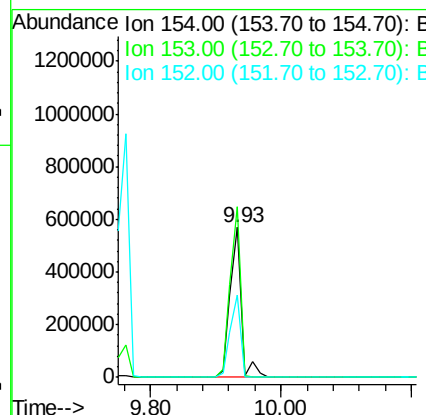
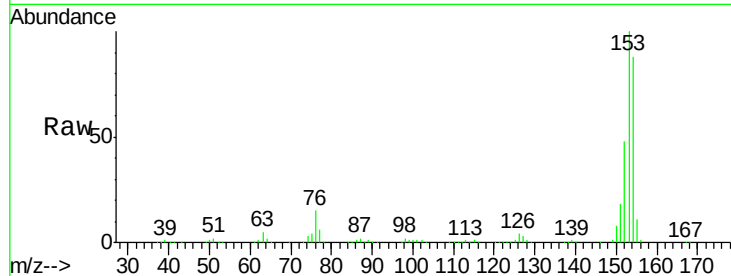




#51
Acenaphthene
Concen: 46.32 ng
RT: 9.93 min Scan# 669
Delta R.T. 0.00 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

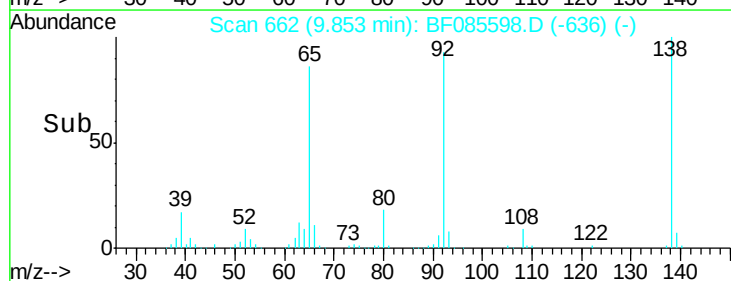
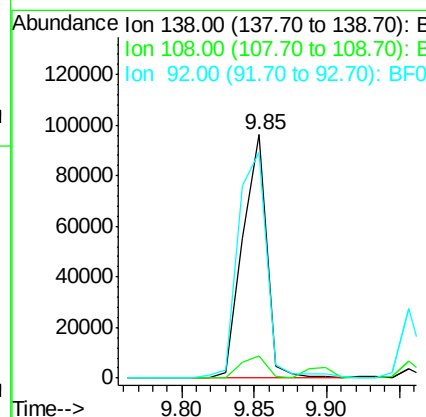
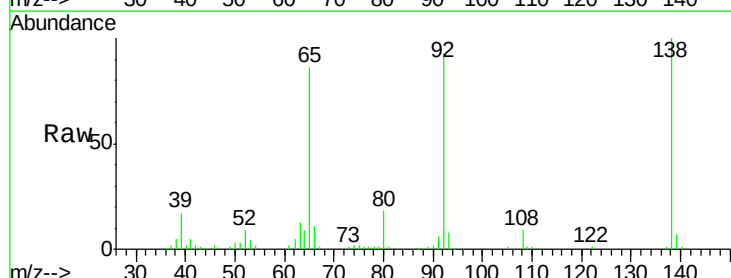
Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)MSD

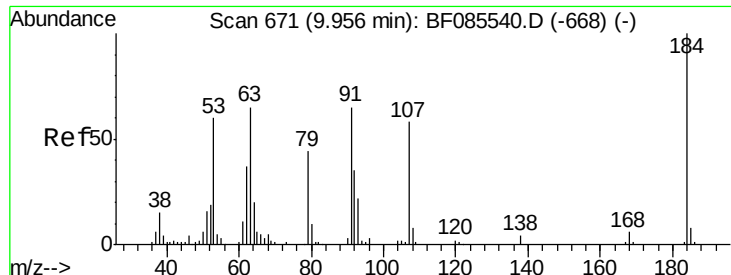
Tgt Ion:154 Resp: 686314
Ion Ratio Lower Upper
154 100
153 113.8 90.1 135.1
152 55.1 44.2 66.2



#52
3-Nitroaniline
Concen: 24.06 ng
RT: 9.85 min Scan# 662
Delta R.T. 0.00 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

Tgt Ion:138 Resp: 111137
Ion Ratio Lower Upper
138 100
108 9.0 8.7 13.1
92 92.7 93.3 139.9#

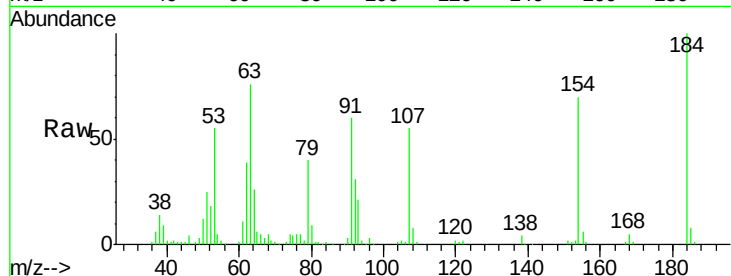




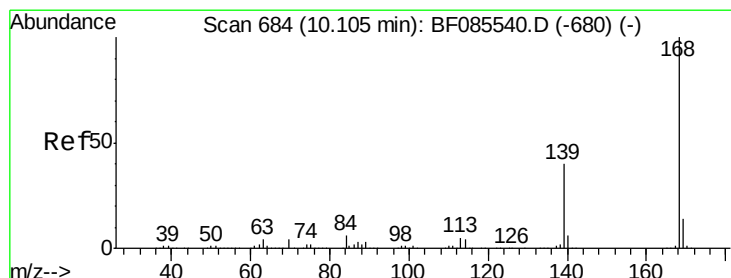
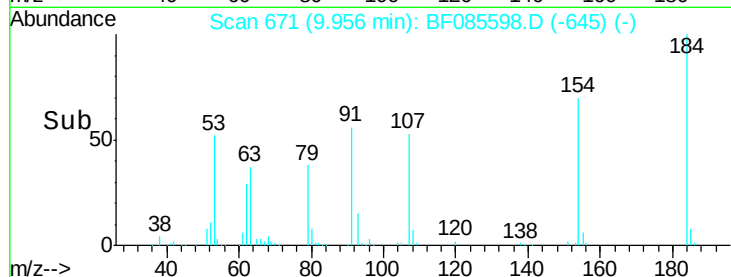
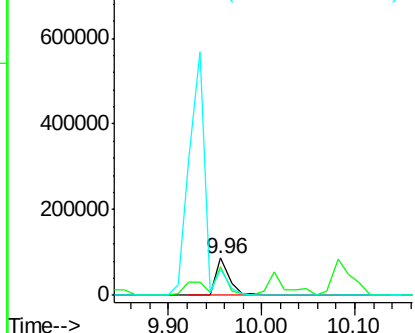
#53
 2,4-Dinitrophenol
 Concen: 39.84 ng
 RT: 9.96 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)MSD

Tgt Ion:184 Resp: 90025
 Ion Ratio Lower Upper
 184 100
 63 76.4 69.5 104.3
 154 69.7 58.3 87.5

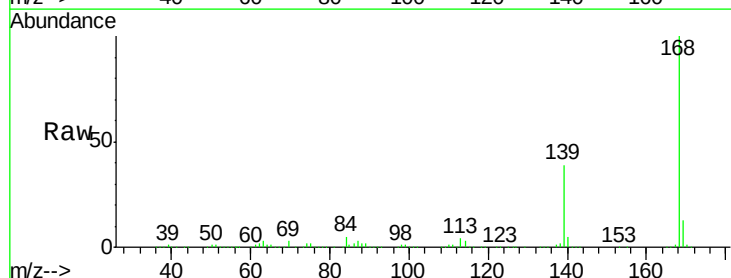


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

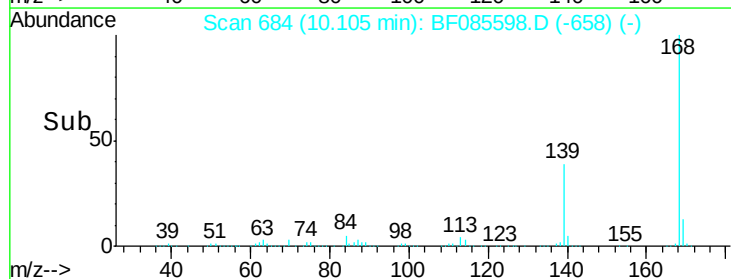
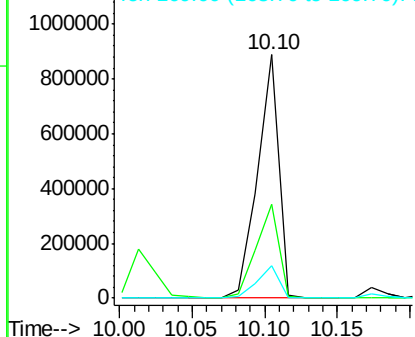


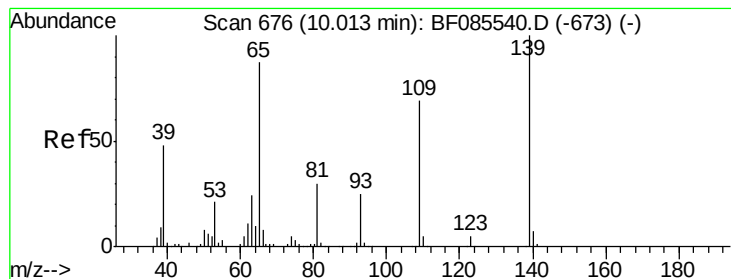
#54
 Dibenzofuran
 Concen: 50.04 ng
 RT: 10.10 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Tgt Ion:168 Resp: 902957
 Ion Ratio Lower Upper
 168 100
 139 38.8 31.9 47.9
 169 13.2 11.0 16.6



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: 60.81 ng

RT: 10.01 min Scan# 676

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

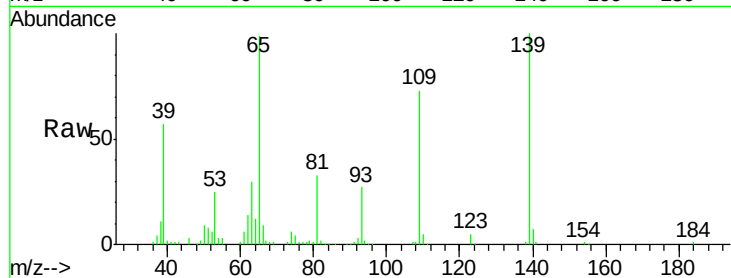
Tgt Ion:139 Resp: 217109

Ion Ratio Lower Upper

139 100

109 72.9 49.2 89.2

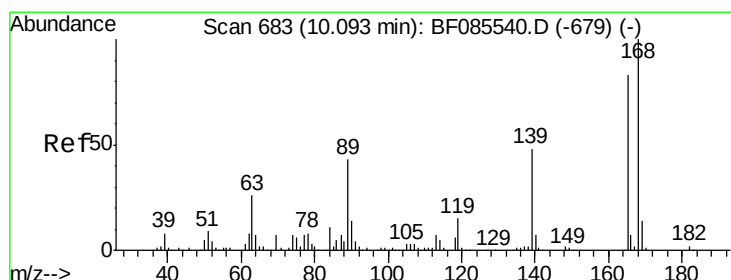
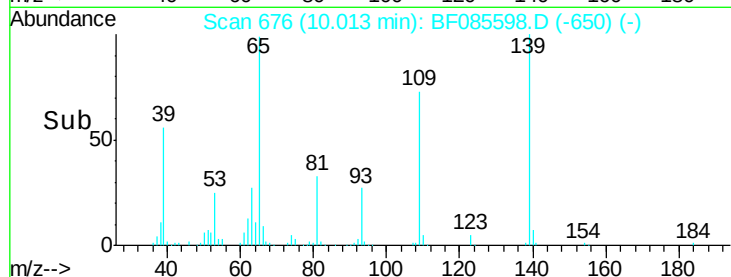
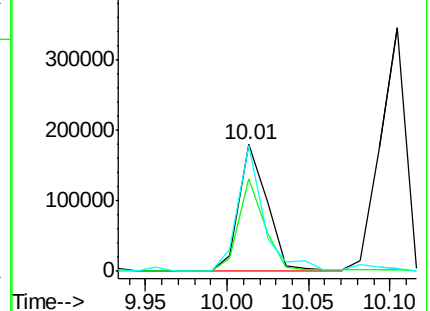
65 99.0 66.9 106.9



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: 43.34 ng

RT: 10.08 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Tgt Ion:165 Resp: 209305

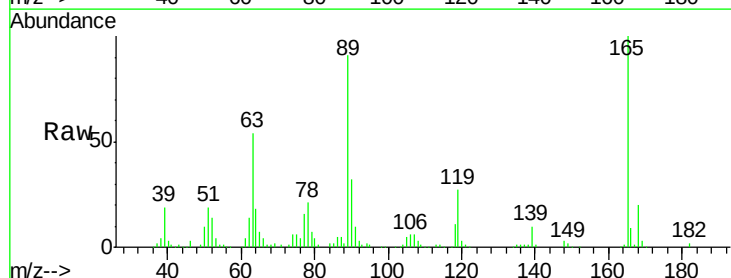
Ion Ratio Lower Upper

165 100

63 54.5 24.9 37.3#

89 91.2 41.0 61.6#

182 2.2 2.1 3.1

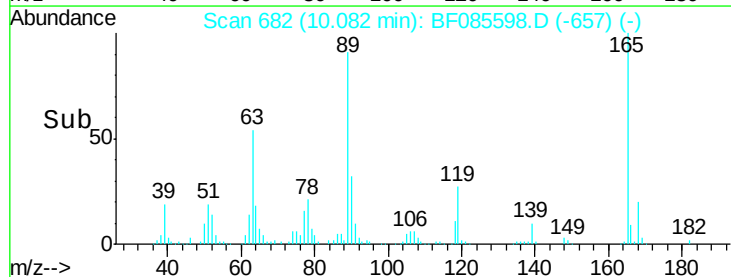
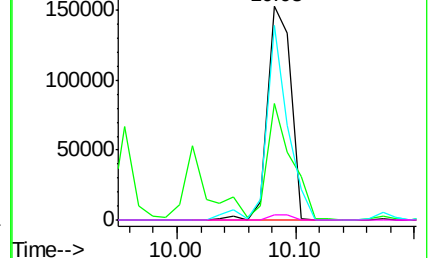


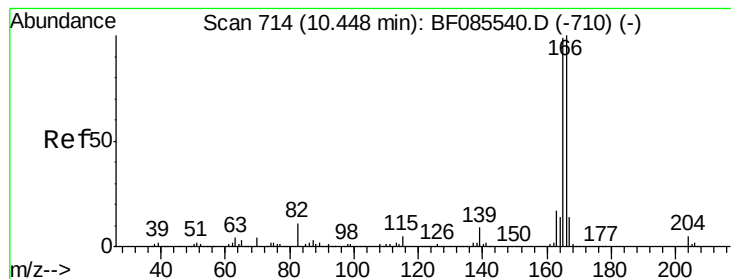
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 43.41 ng

RT: 10.45 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

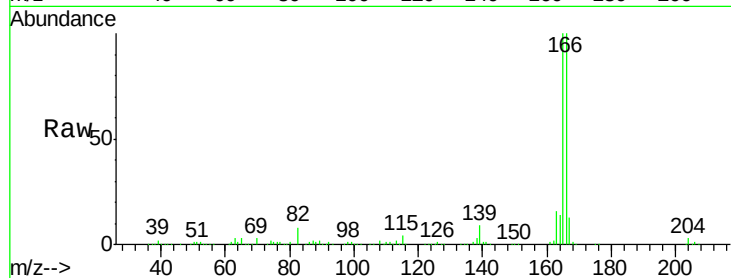
Tgt Ion:166 Resp: 652809

Ion Ratio Lower Upper

166 100

165 99.6 79.4 119.0

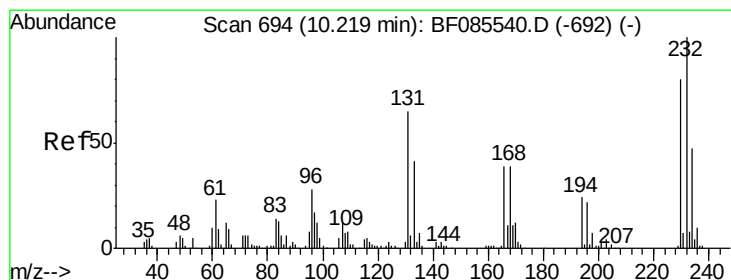
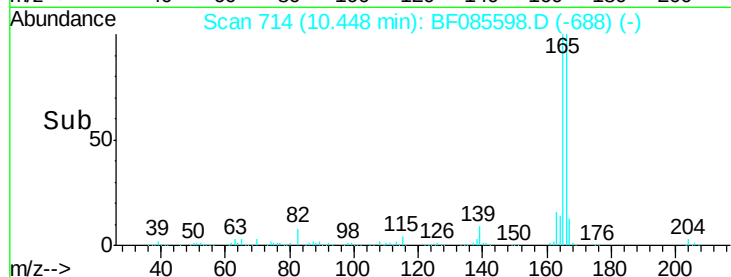
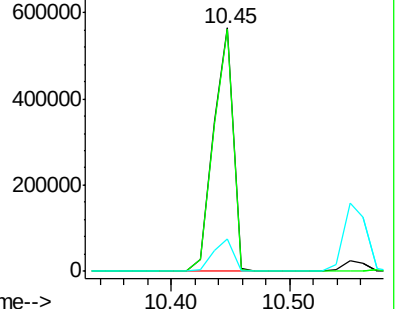
167 13.1 11.0 16.4



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: 46.19 ng

RT: 10.22 min Scan# 694

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Tgt Ion:232 Resp: 162723

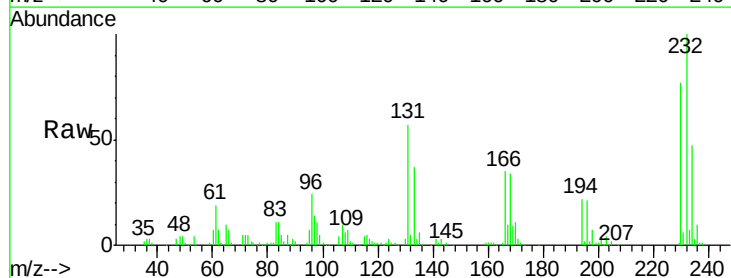
Ion Ratio Lower Upper

232 100

131 55.2 44.9 67.3

130 2.6 2.3 3.5

166 33.0 28.1 42.1

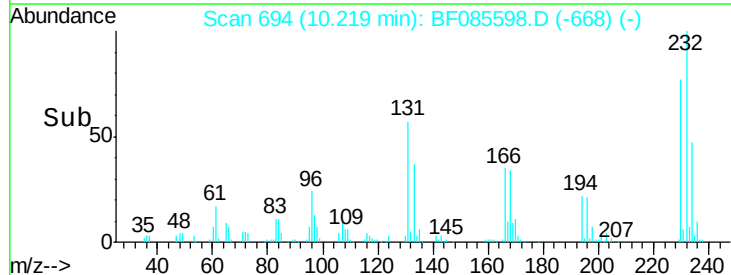
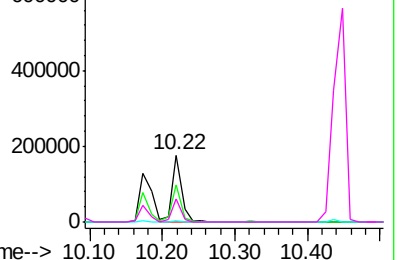


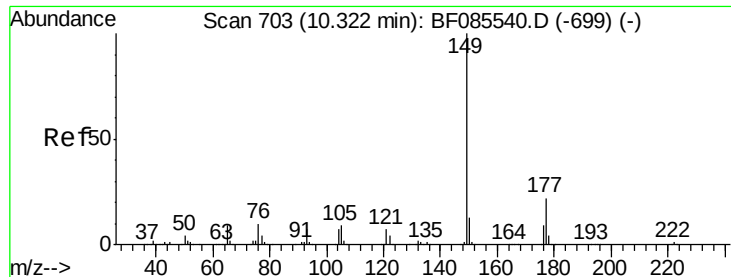
Abundance Ion 232.00 (231.70 to 232.70): E

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

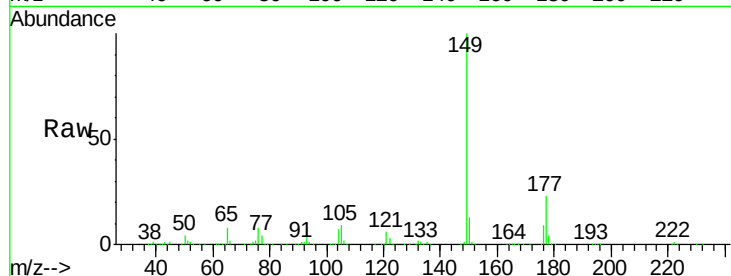




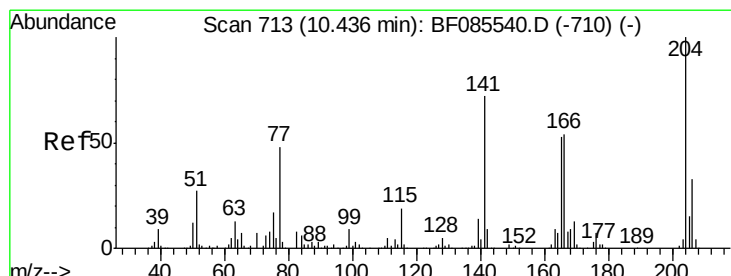
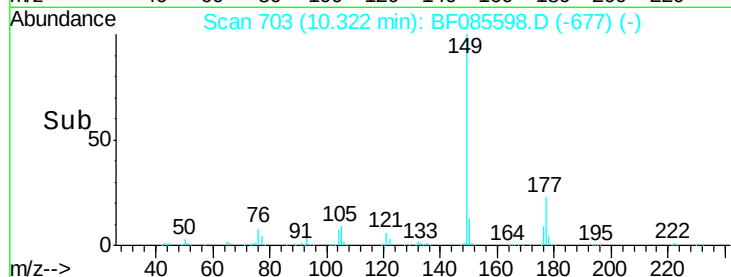
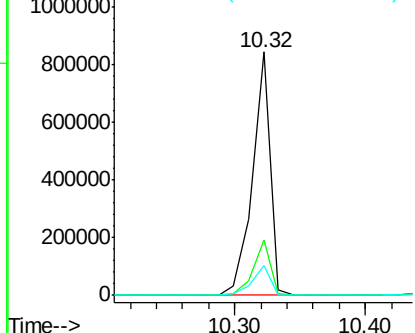
#59
Diethylphthalate
Concen: 45.88 ng
RT: 10.32 min Scan# 703
Delta R.T. 0.00 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)MSD

Tgt Ion:149 Resp: 796989
Ion Ratio Lower Upper
149 100
177 22.9 17.9 26.9
150 12.5 10.2 15.2

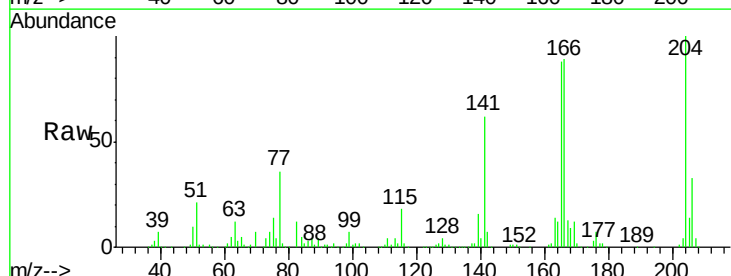


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

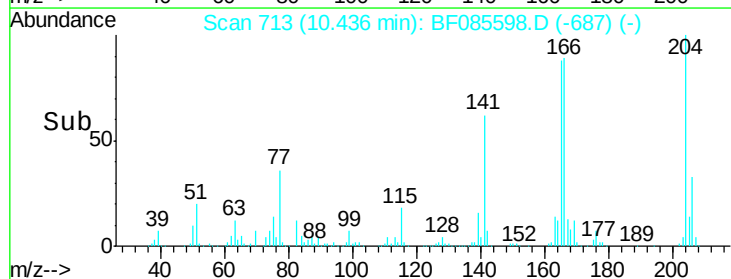
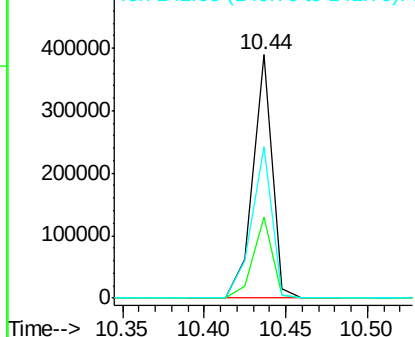


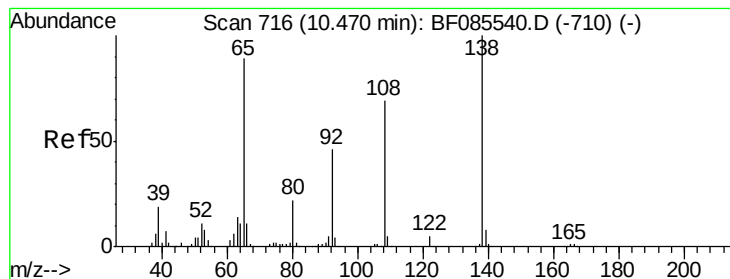
#60
4-Chlorophenyl-phenylether
Concen: 43.70 ng
RT: 10.44 min Scan# 713
Delta R.T. 0.00 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

Tgt Ion:204 Resp: 320915
Ion Ratio Lower Upper
204 100
206 33.1 26.6 39.8
141 62.3 57.4 86.0



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: 33.51 ng

RT: 10.46 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

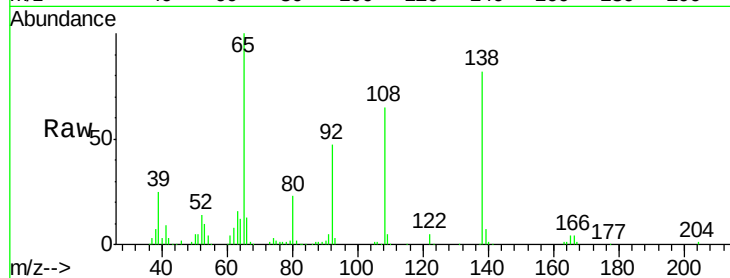
Tgt Ion:138 Resp: 152612

Ion Ratio Lower Upper

138 100

92 57.0 26.4 66.4

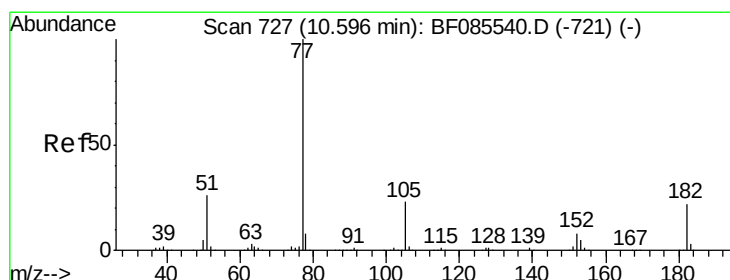
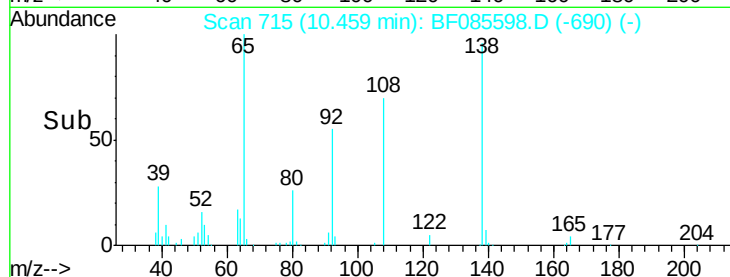
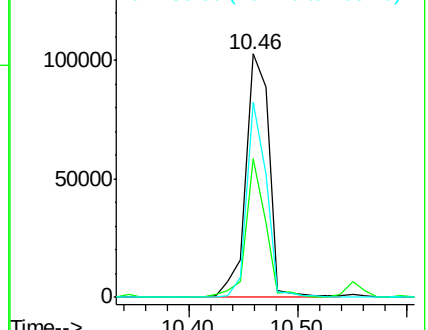
108 80.1 49.0 89.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 46.68 ng

RT: 10.60 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Tgt Ion: 77 Resp: 778135

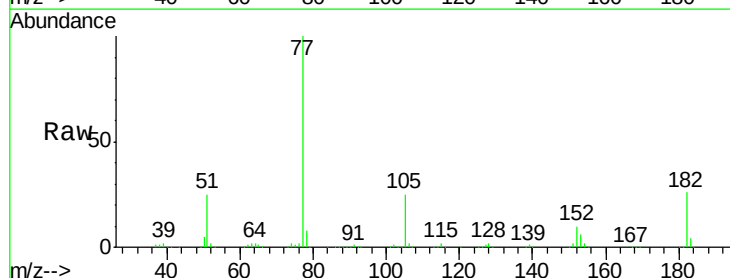
Ion Ratio Lower Upper

77 100

182 26.4 1.9 41.9

105 24.7 3.5 43.5

51 24.8 6.3 46.3

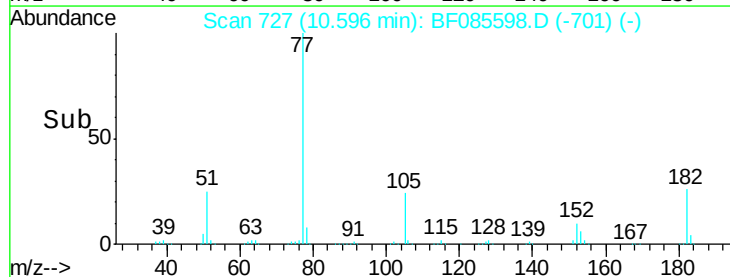
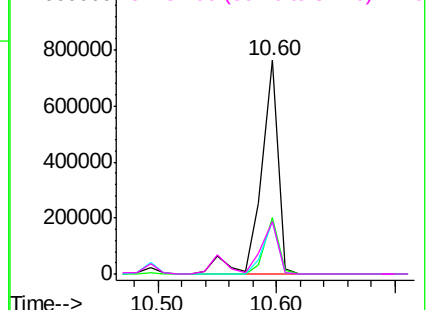


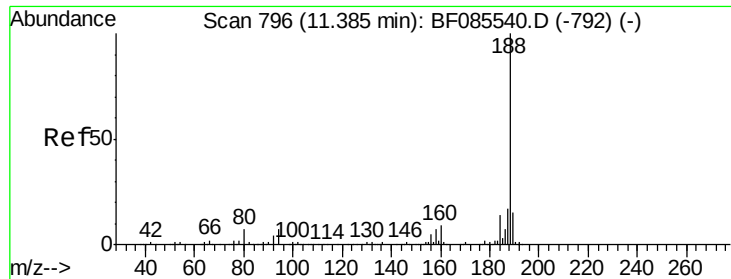
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

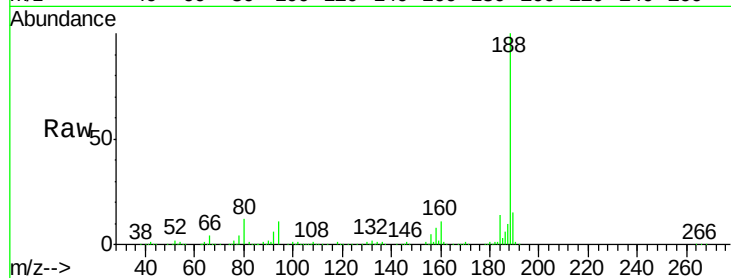




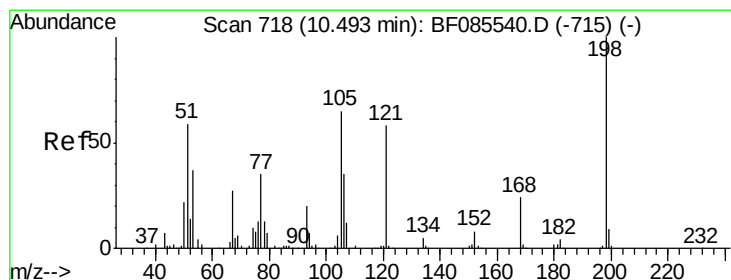
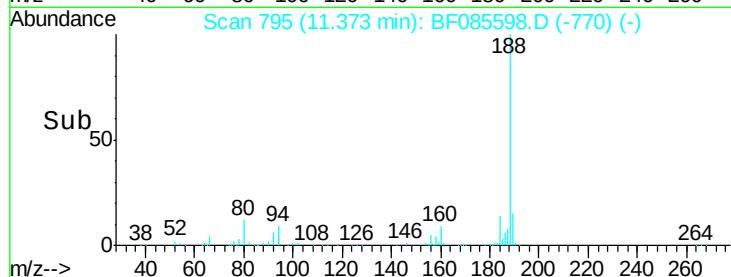
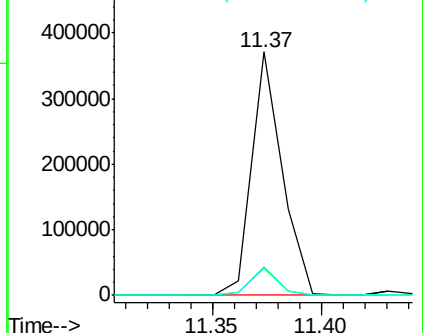
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)MSD

Tgt Ion:188 Resp: 362001
Ion Ratio Lower Upper
188 100
94 11.3 5.4 8.0#
80 11.8 5.5 8.3#

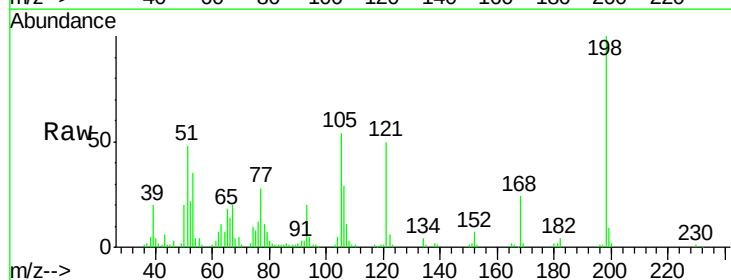


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

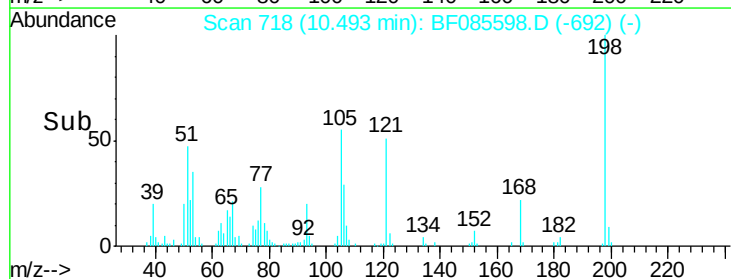
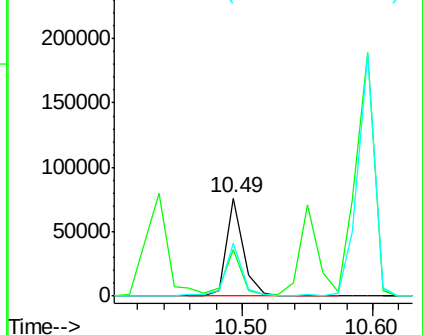


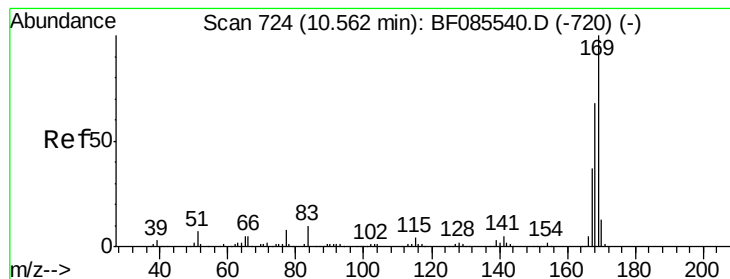
#64
4,6-Dinitro-2-methylphenol
Concen: 29.59 ng
RT: 10.49 min Scan# 718
Delta R.T. 0.00 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

Tgt Ion:198 Resp: 68548
Ion Ratio Lower Upper
198 100
51 47.7 45.4 85.4
105 54.3 45.9 85.9



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: 50.00 ng

RT: 10.55 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

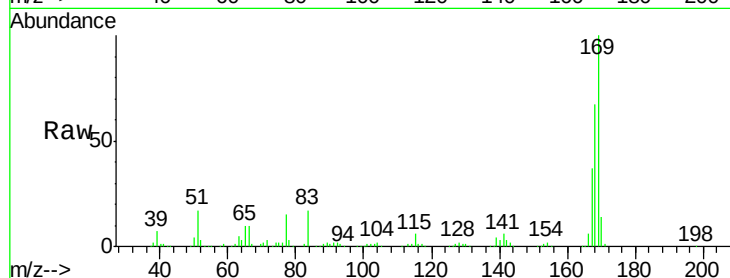
Tgt Ion:169 Resp: 563856

Ion Ratio Lower Upper

169 100

168 67.3 54.4 81.6

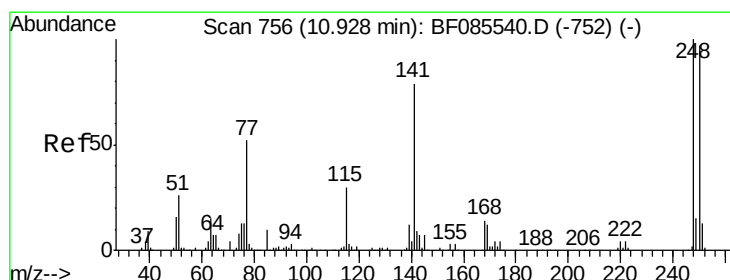
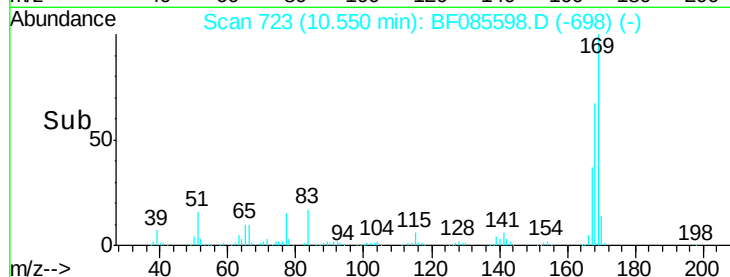
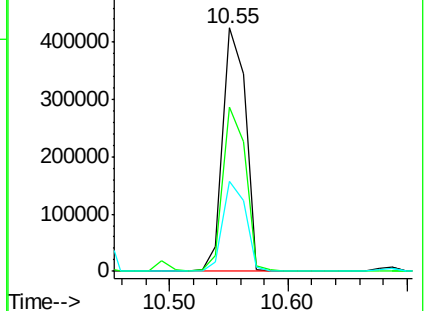
167 37.2 29.4 44.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 52.73 ng

RT: 10.93 min Scan# 756

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

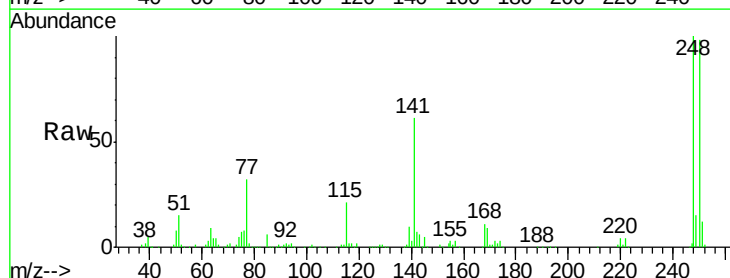
Tgt Ion:248 Resp: 190677

Ion Ratio Lower Upper

248 100

250 97.7 77.4 116.0

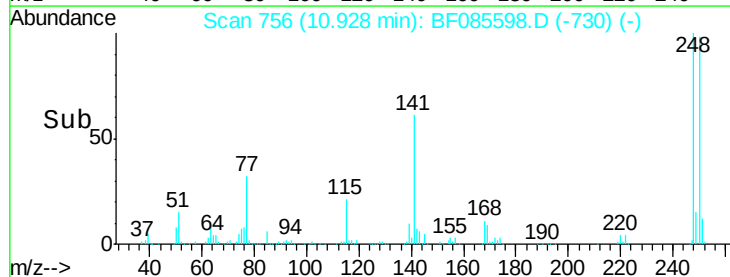
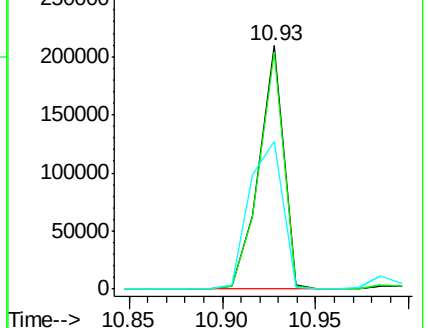
141 60.7 63.6 95.4#

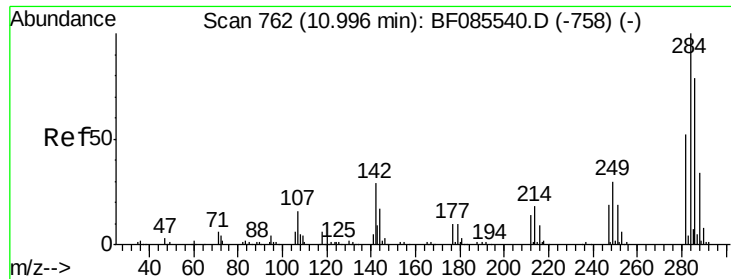


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

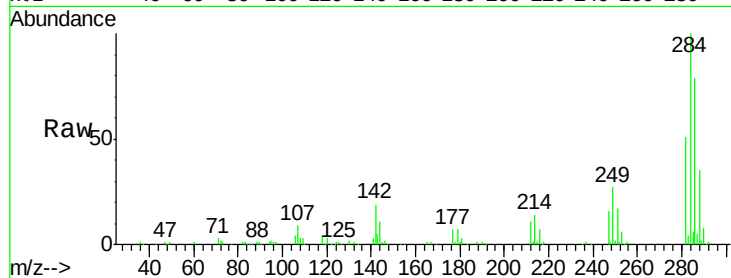




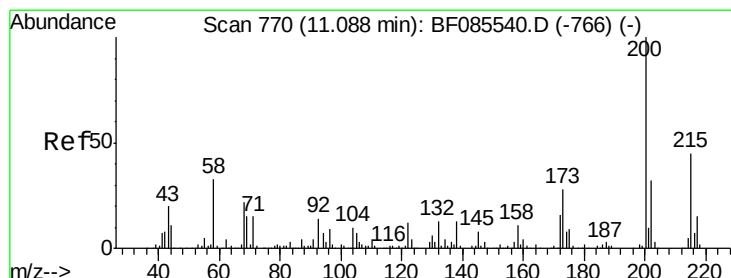
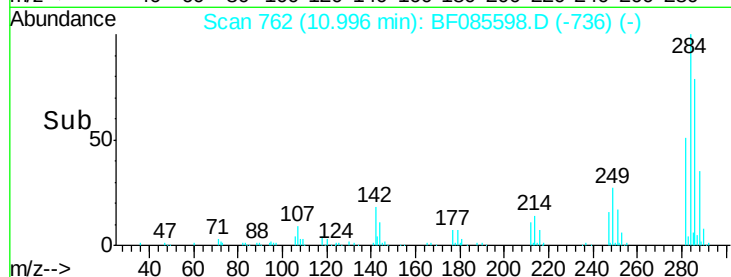
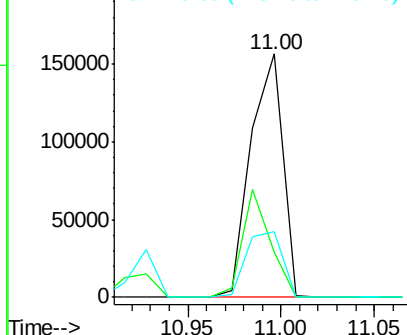
#67
Hexachlorobenzene
Concen: 48.43 ng
RT: 11.00 min Scan# 762
Delta R.T. 0.00 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)MSD

Tgt Ion: 284 Resp: 186063
Ion Ratio Lower Upper
284 100
142 18.6 23.1 34.7#
249 26.8 24.2 36.2

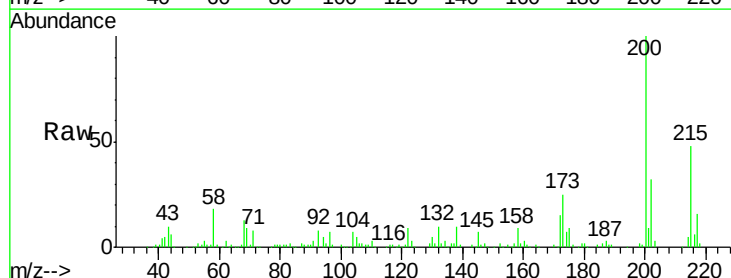


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

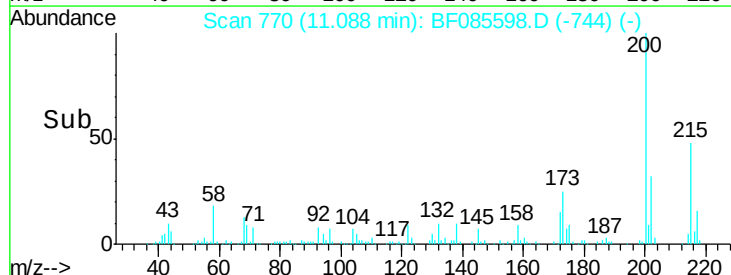
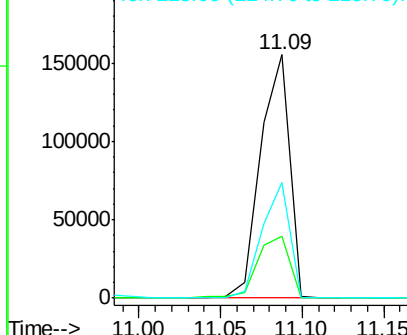


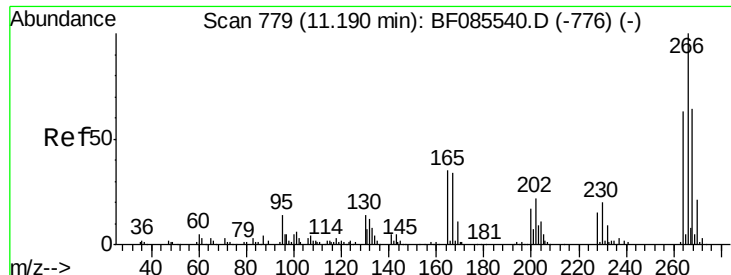
#68
Atrazine
Concen: 55.97 ng
RT: 11.09 min Scan# 770
Delta R.T. 0.00 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

Tgt Ion: 200 Resp: 192161
Ion Ratio Lower Upper
200 100
173 25.3 7.7 47.7
215 47.6 25.4 65.4



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

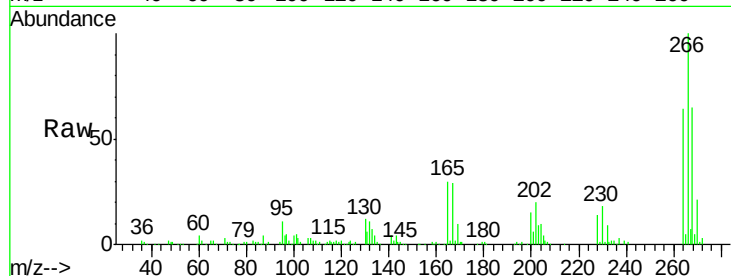




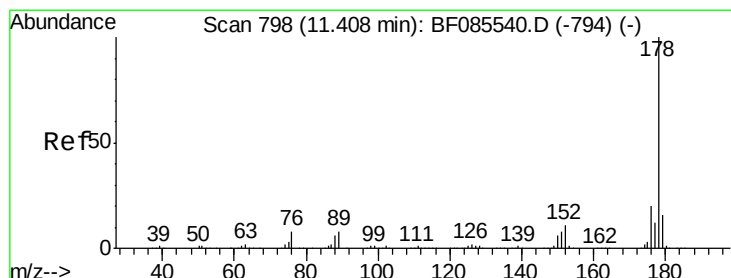
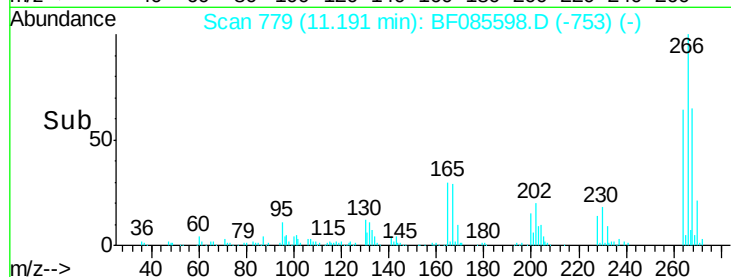
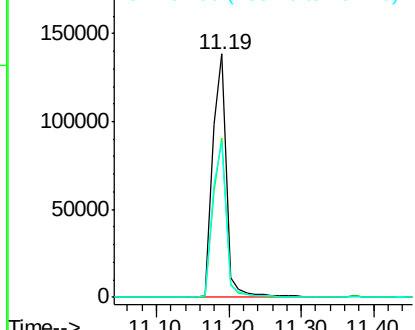
#69
 Pentachlorophenol
 Concen: 77.86 ng
 RT: 11.19 min Scan# 779
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)MSD

Tgt Ion:266 Resp: 181619
 Ion Ratio Lower Upper
 266 100
 268 65.2 51.5 77.3
 264 63.5 50.6 76.0

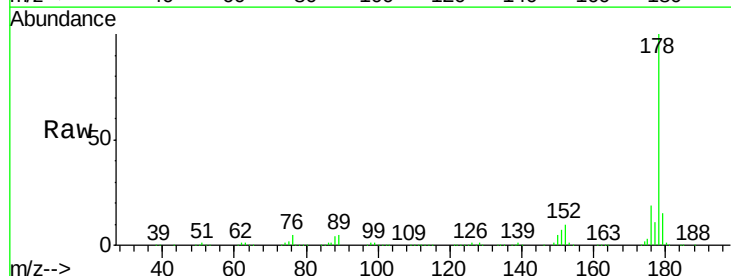


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

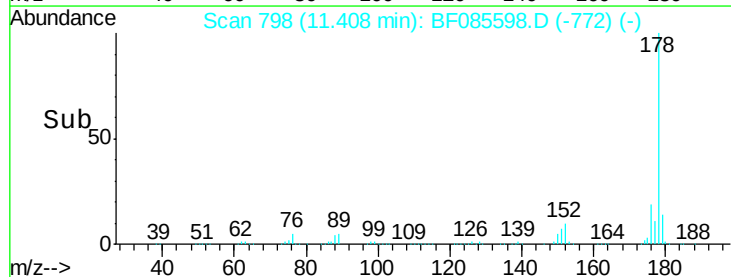
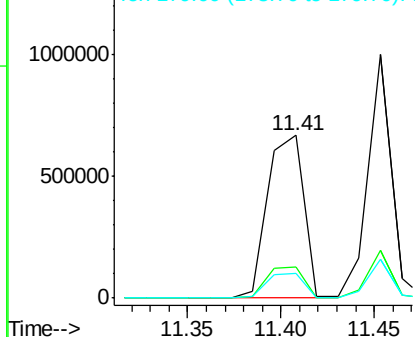


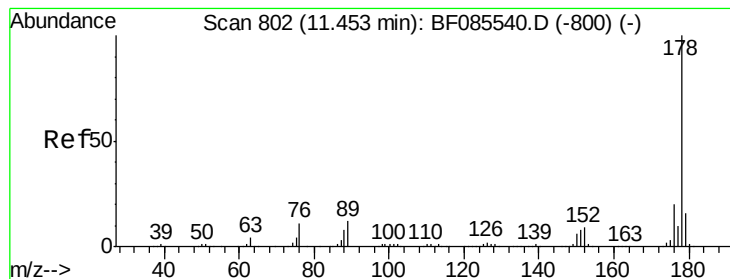
#70
 Phenanthrene
 Concen: 47.33 ng
 RT: 11.41 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Tgt Ion:178 Resp: 903387
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.3 24.5
 179 14.9 12.6 18.8



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: 43.19 ng

RT: 11.45 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

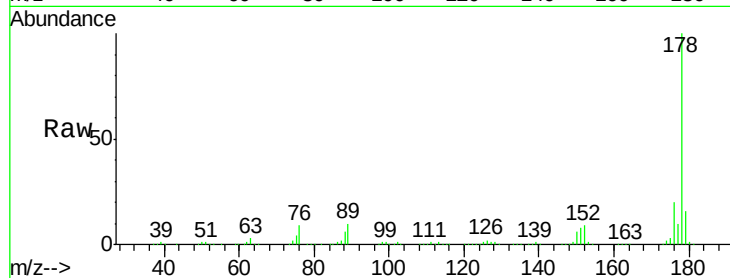
Tgt Ion:178 Resp: 864364

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

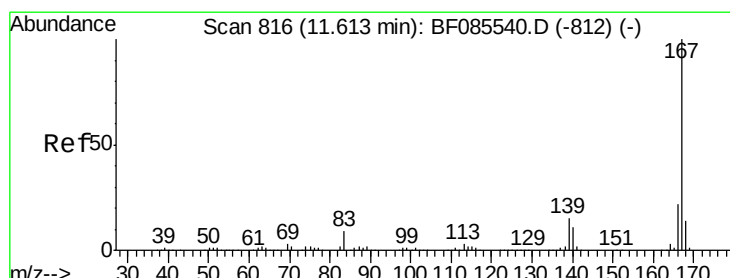
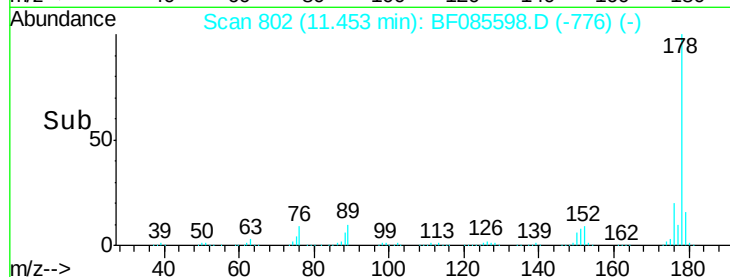
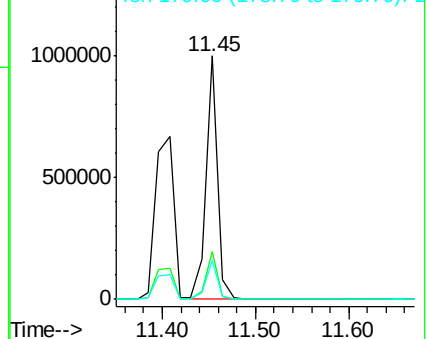
179 15.9 13.0 19.4



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: 45.25 ng

RT: 11.61 min Scan# 816

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

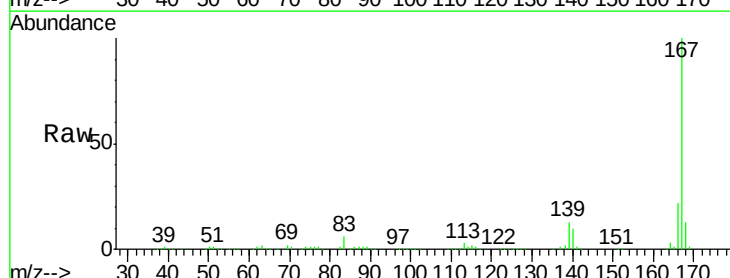
Tgt Ion:167 Resp: 781265

Ion Ratio Lower Upper

167 100

166 22.1 17.8 26.8

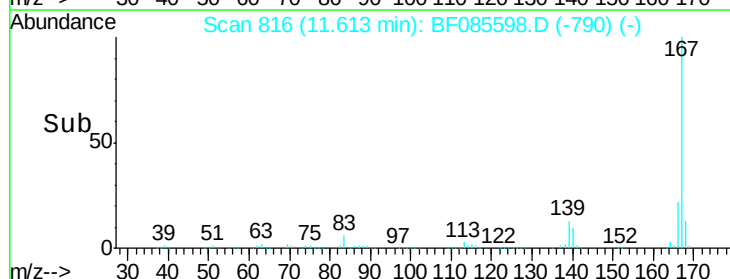
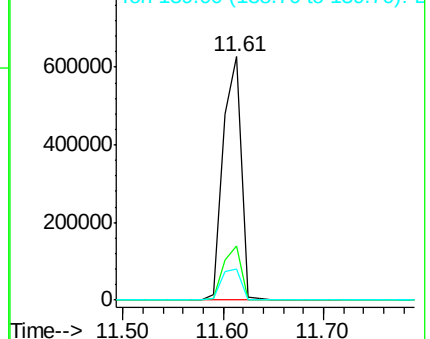
139 12.7 11.6 17.4

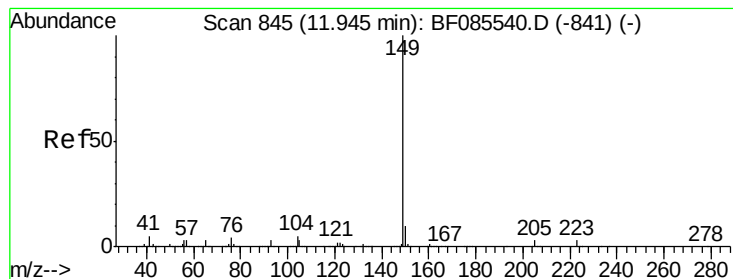


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 49.96 ng

RT: 11.94 min Scan# 845

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

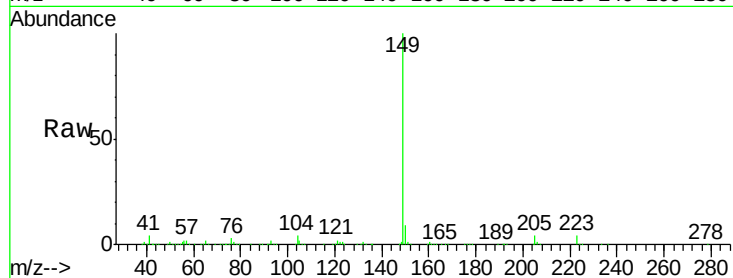
Tgt Ion:149 Resp: 1080109

Ion Ratio Lower Upper

149 100

150 9.1 7.6 11.4

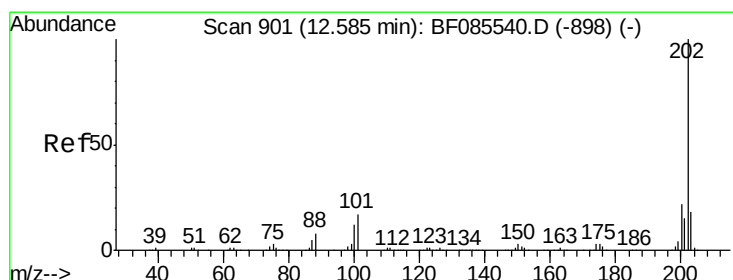
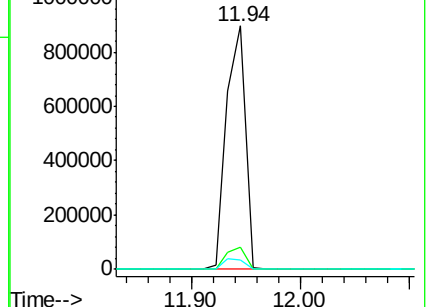
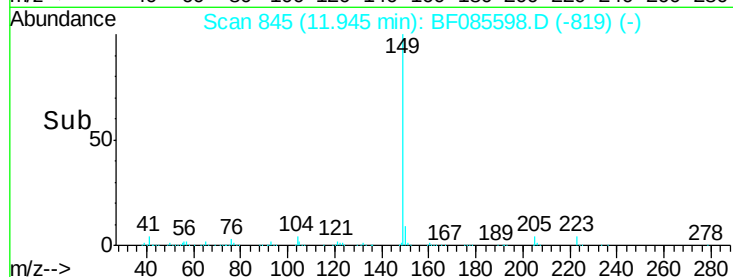
104 4.0 3.8 5.8



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: 35.92 ng

RT: 12.58 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

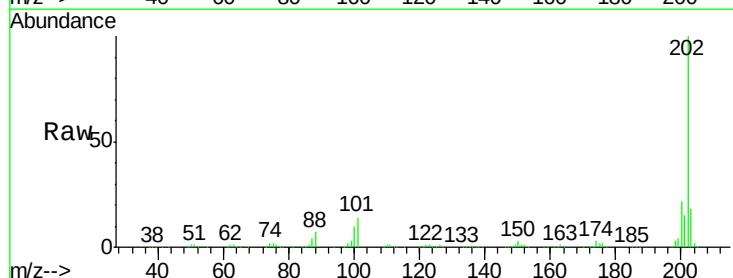
Tgt Ion:202 Resp: 717939

Ion Ratio Lower Upper

202 100

101 13.9 0.0 36.6

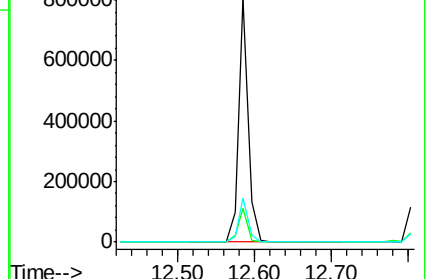
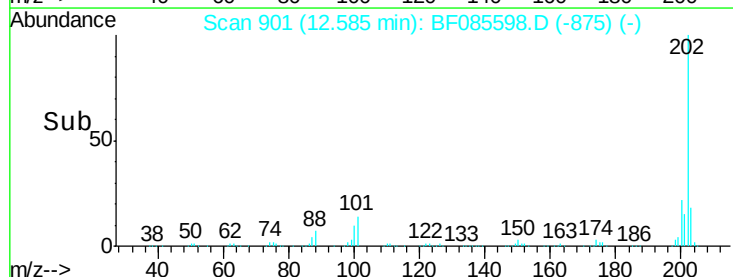
203 17.9 0.0 38.1

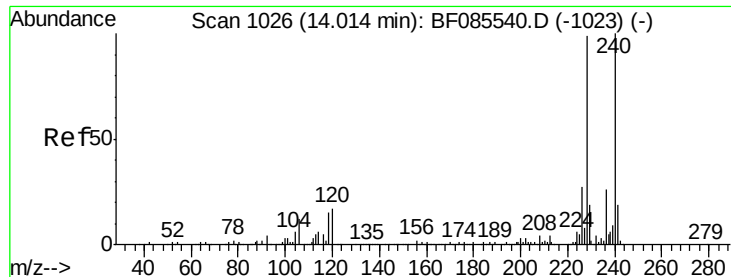


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

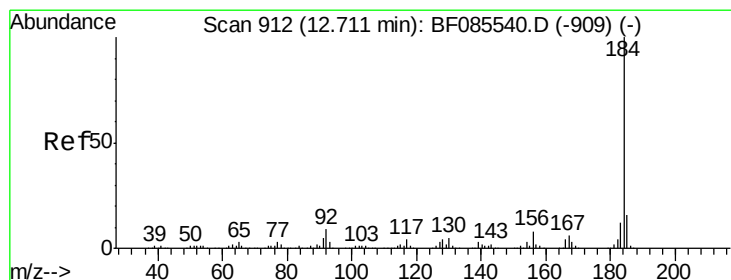
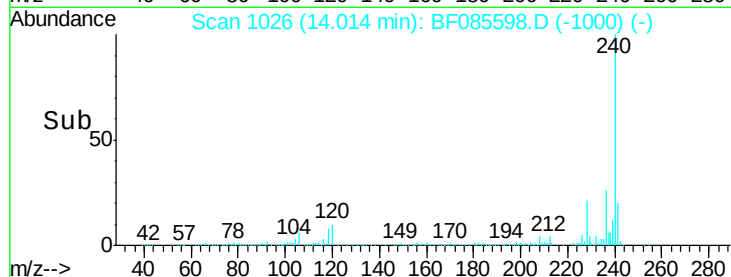
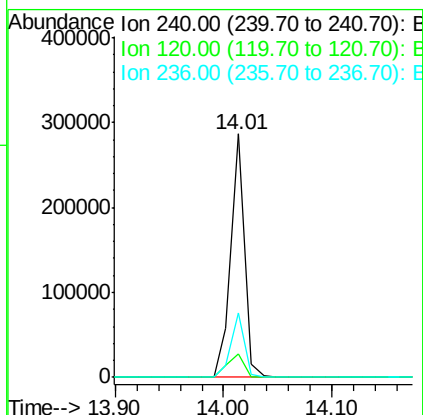
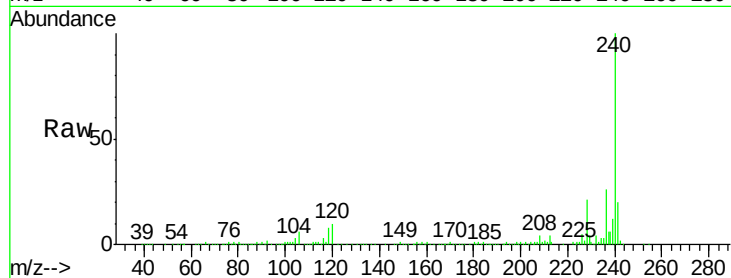




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

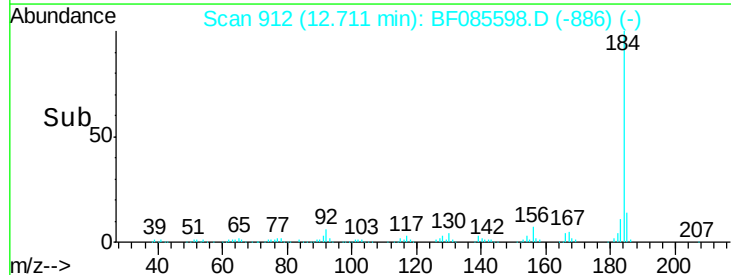
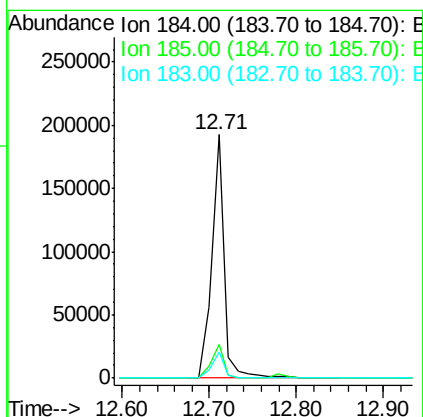
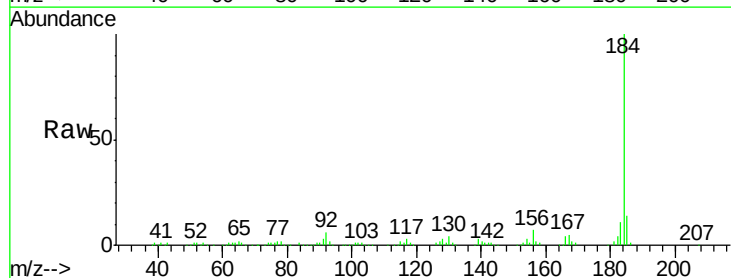
Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)MSD

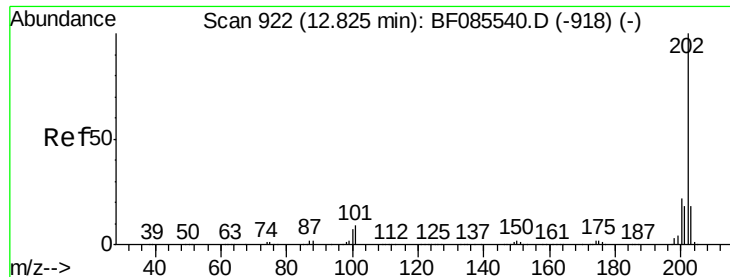
Tgt Ion:240 Resp: 250644
Ion Ratio Lower Upper
240 100
120 9.8 13.8 20.8#
236 26.3 20.6 30.8



#76
Benzidine
Concen: 22.92 ng
RT: 12.71 min Scan# 912
Delta R.T. 0.00 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

Tgt Ion:184 Resp: 193178
Ion Ratio Lower Upper
184 100
185 13.9 12.4 18.6
183 10.8 9.4 14.2

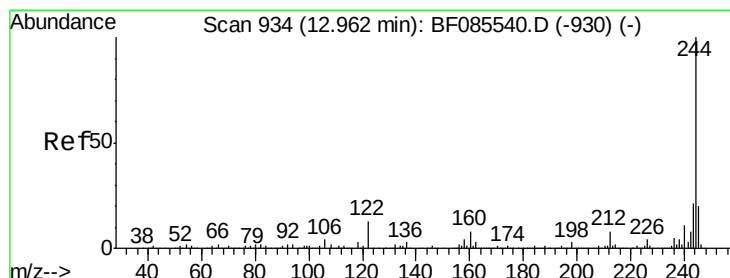
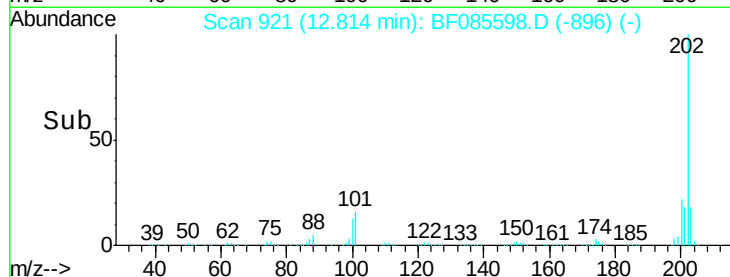
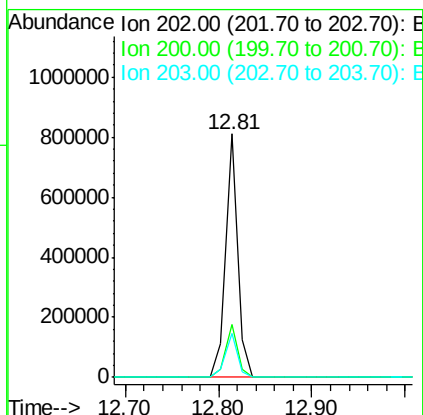
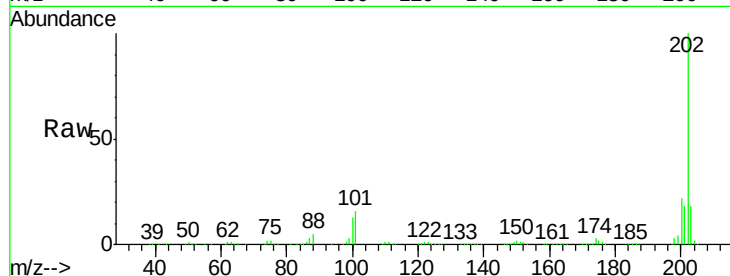




#77
Pyrene
 Concen: 40.55 ng
 RT: 12.81 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

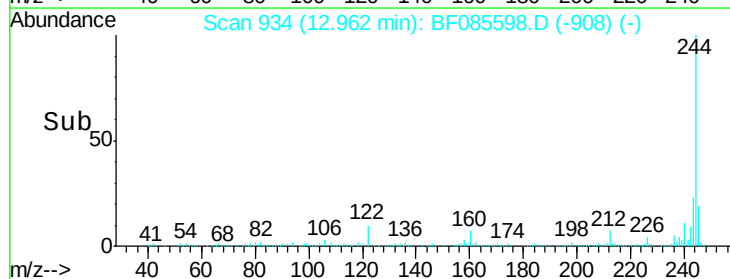
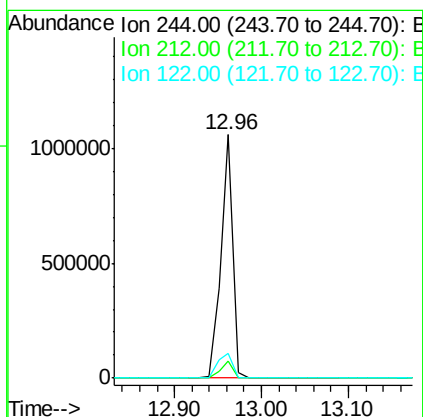
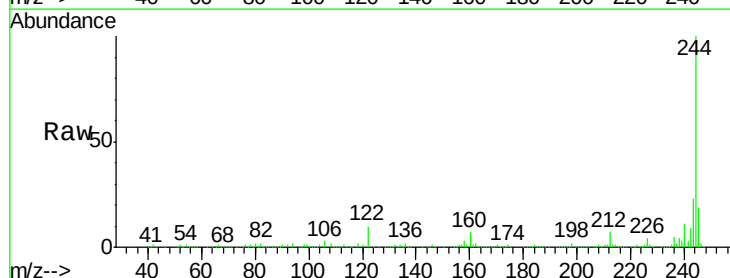
Instrument :
 BNA_F
ClientSampleId :
 GRID-8A-(0-10)MSD

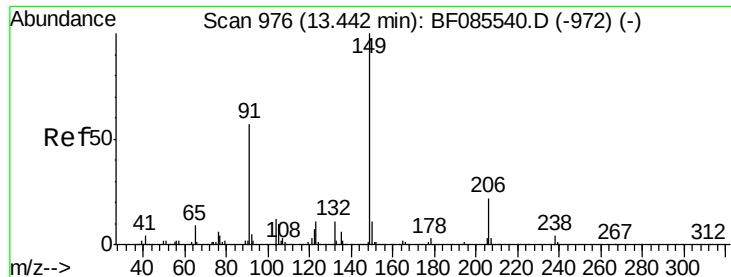
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.6	26.4
203	17.8	14.0	21.0



#78
Terphenyl-d14
 Concen: 98.25 ng
 RT: 12.96 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	9.9	10.2	15.4

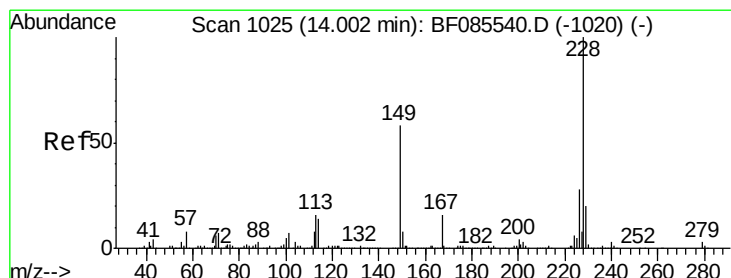
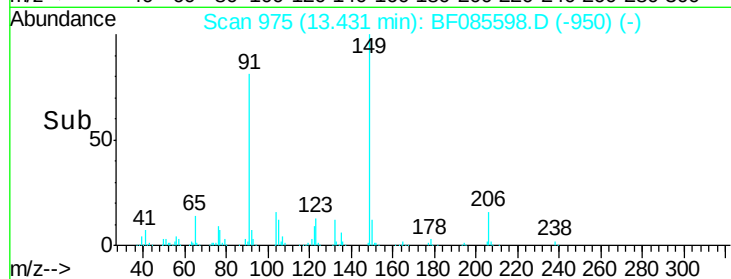
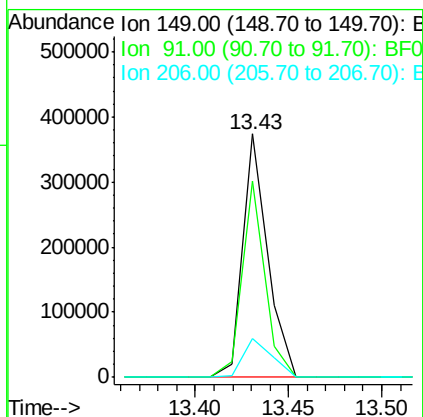
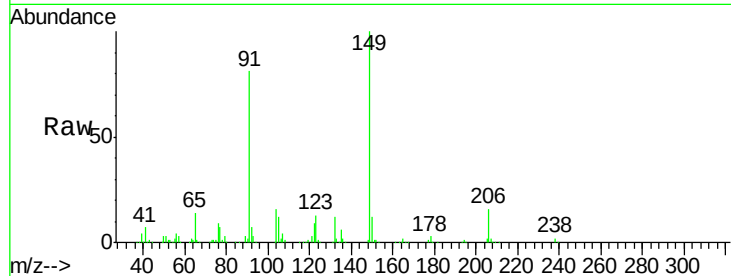




#79
Butylbenzylphthalate
Concen: 40.57 ng
RT: 13.43 min Scan# 975
Delta R.T. -0.01 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

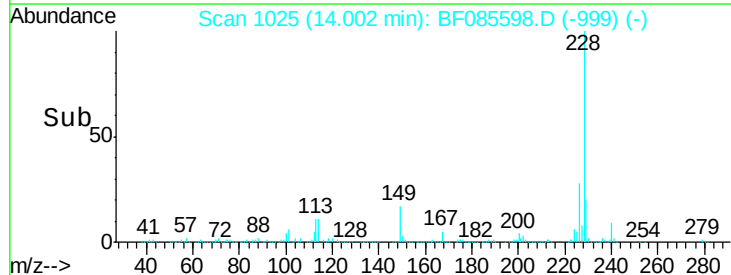
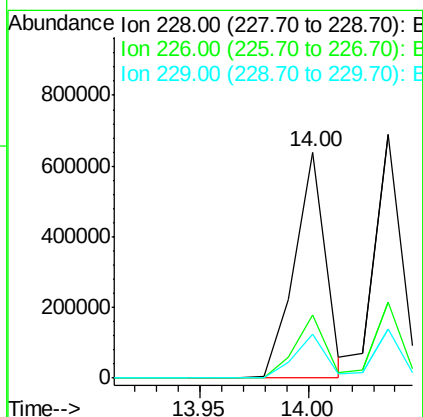
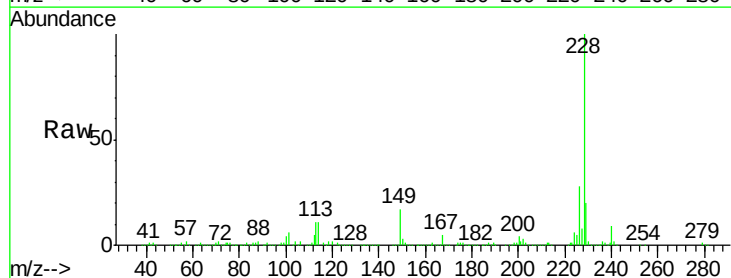
Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)MSD

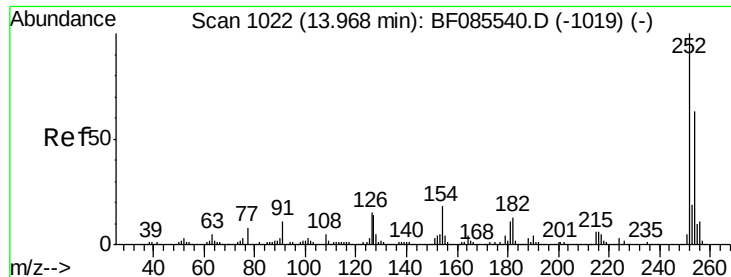
Tgt Ion	Ratio	Lower	Upper
149	100		
91	80.5	45.8	68.8#
206	16.1	17.8	26.8#



#80
Benzo(a)anthracene
Concen: 43.70 ng
RT: 14.00 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.1	33.1
229	19.7	16.2	24.4

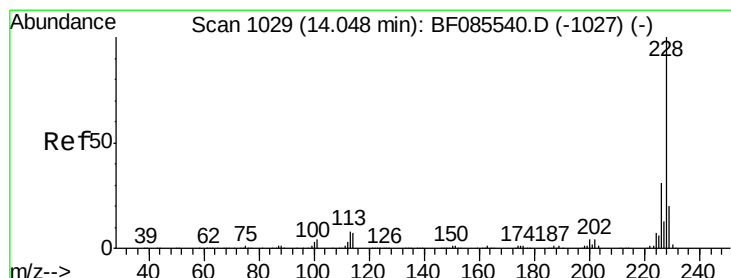
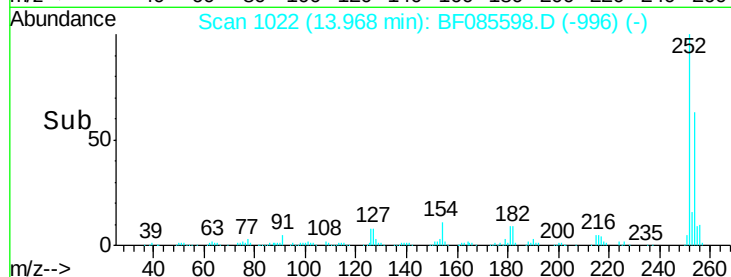
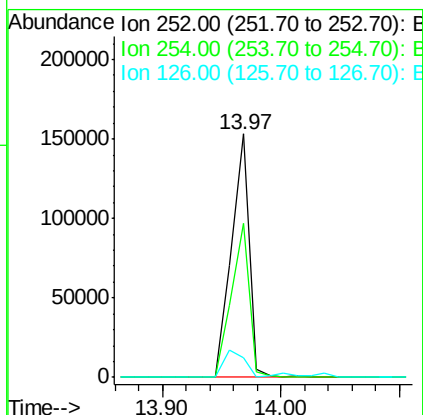
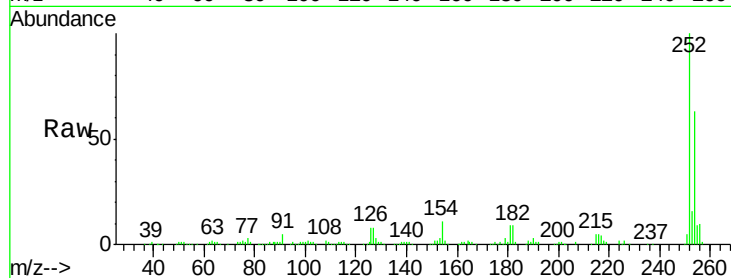




#81
 3,3'-Dichlorobenzidine
 Concen: 29.97 ng
 RT: 13.97 min Scan# 1022
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

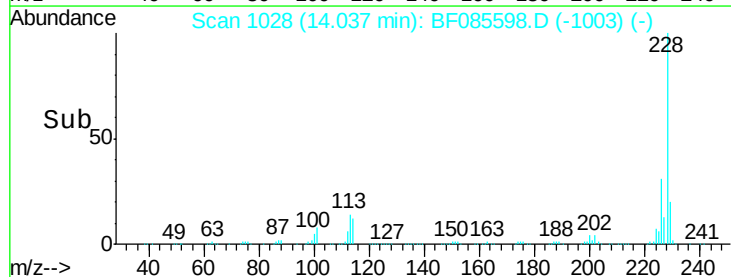
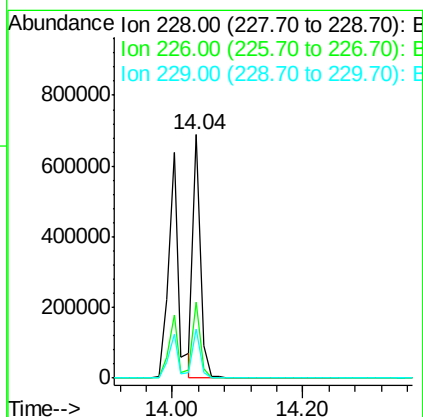
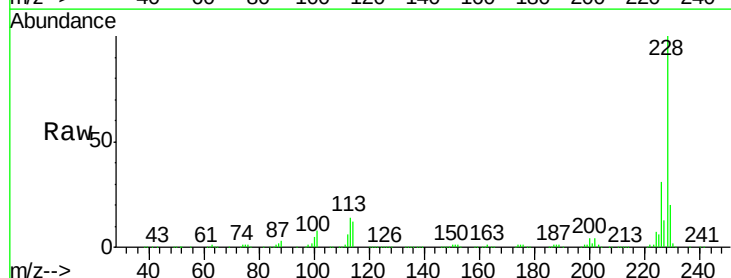
Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)MSD

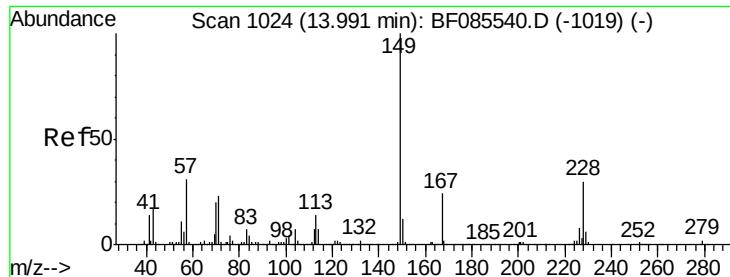
Tgt Ion: 252 Resp: 159801
 Ion Ratio Lower Upper
 252 100
 254 63.4 50.7 76.1
 126 8.1 11.8 17.6#



#82
 Chrysene
 Concen: 39.34 ng
 RT: 14.04 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Tgt Ion: 228 Resp: 550681
 Ion Ratio Lower Upper
 228 100
 226 31.2 25.0 37.6
 229 20.0 15.7 23.5

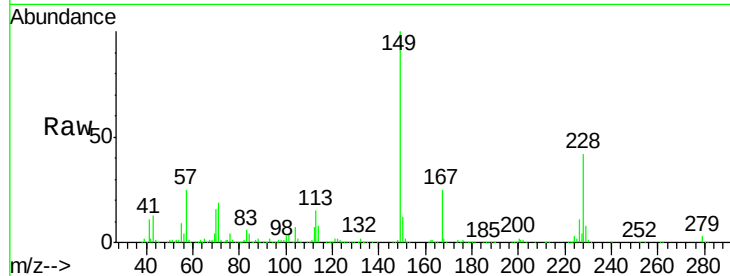




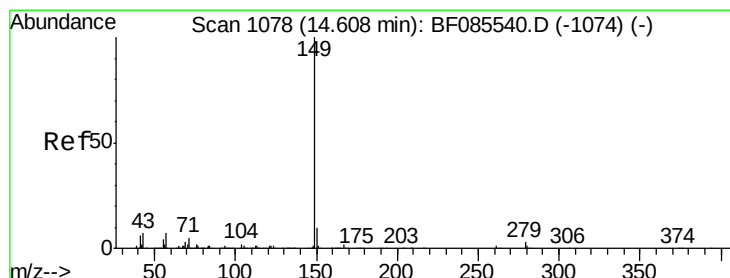
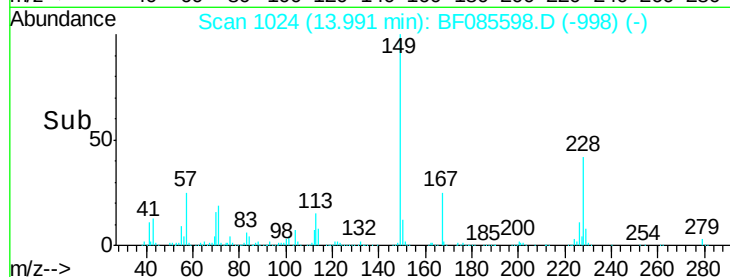
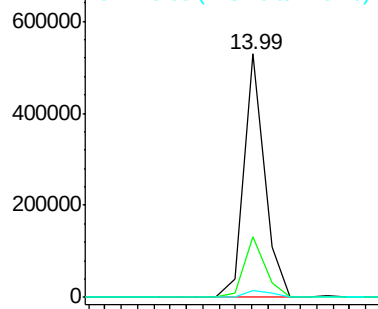
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 43.90 ng
 RT: 13.99 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)MSD

Tgt Ion:149 Resp: 467902
 Ion Ratio Lower Upper
 149 100
 167 25.1 19.4 29.2
 279 2.6 1.5 2.3#

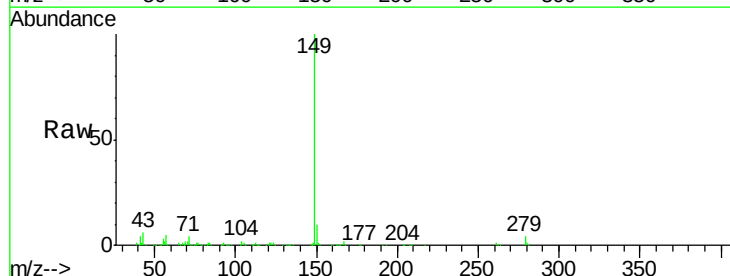


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

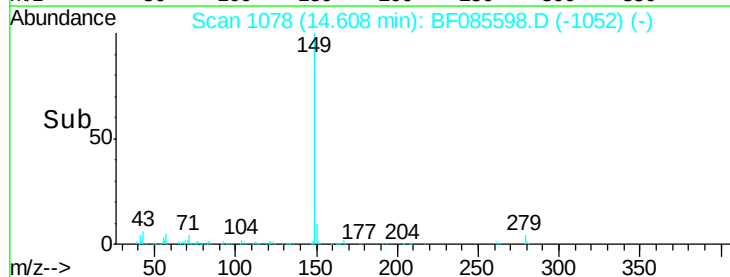
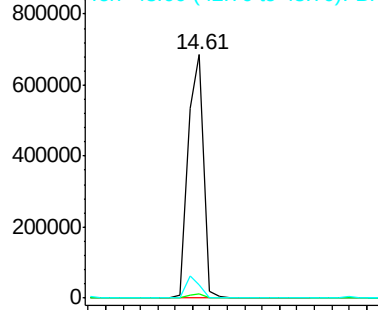


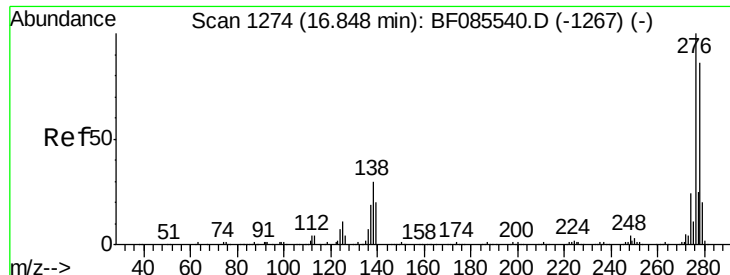
#84
 Di-n-octyl phthalate
 Concen: 49.60 ng
 RT: 14.61 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Tgt Ion:149 Resp: 861437
 Ion Ratio Lower Upper
 149 100
 167 1.4 1.2 1.8
 43 8.4 7.1 10.7



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0

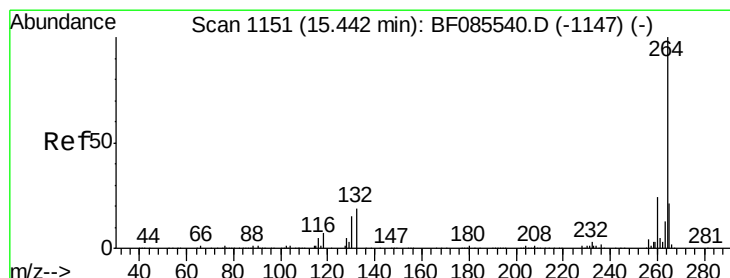
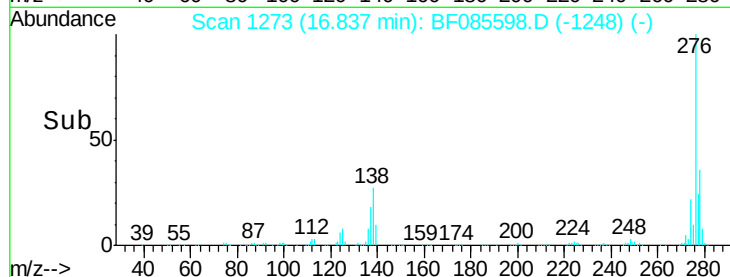
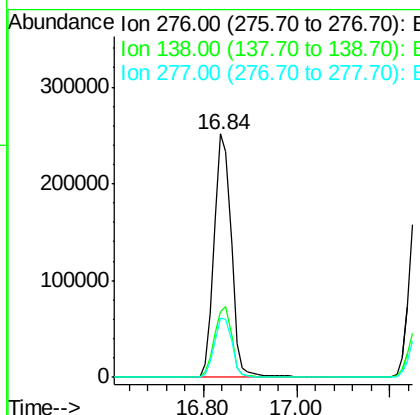
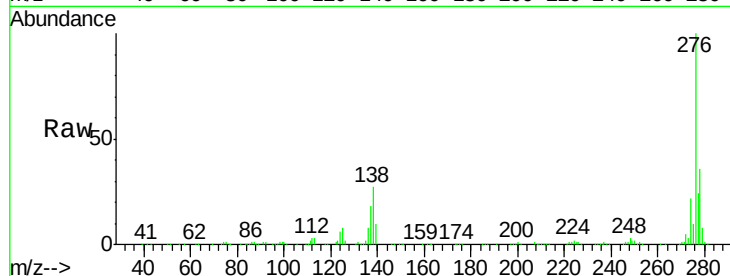




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 55.08 ng
 RT: 16.84 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

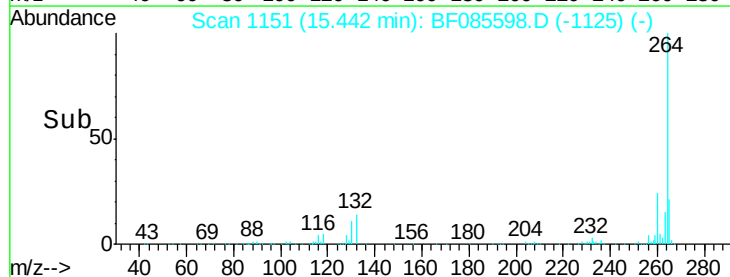
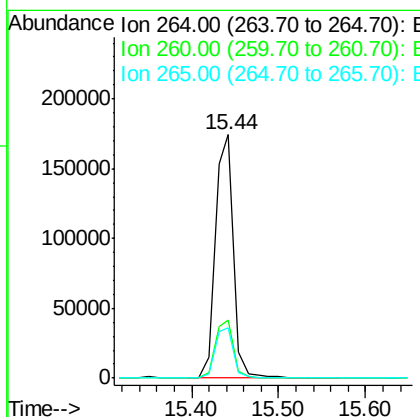
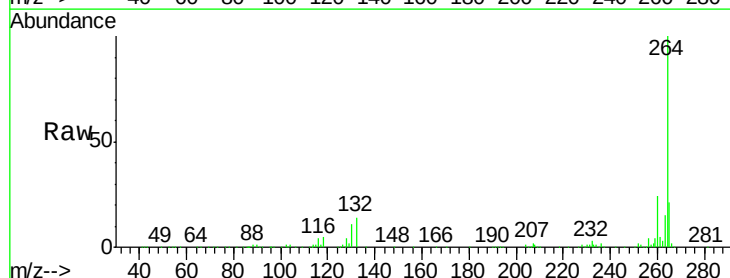
Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)MSD

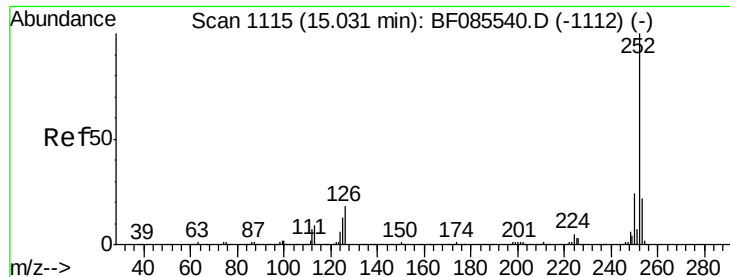
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.5	24.2	36.4
277	24.9	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: BF085598.D
 Acq: 20 Mar 2016 5:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	20.9	17.2	25.8

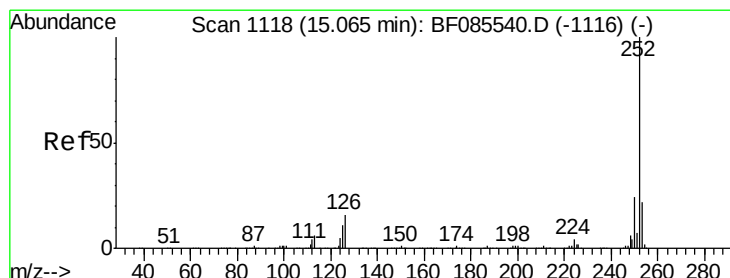
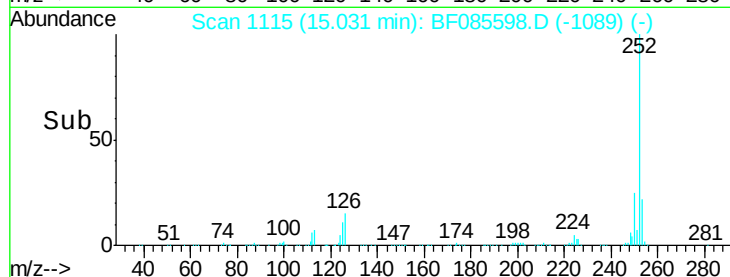
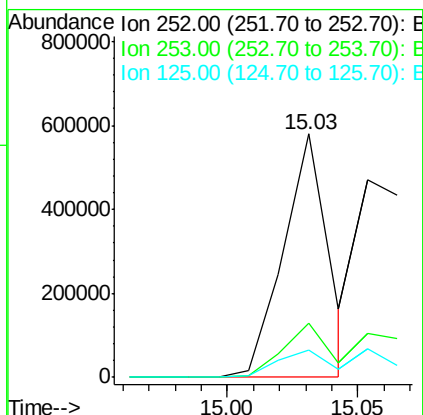
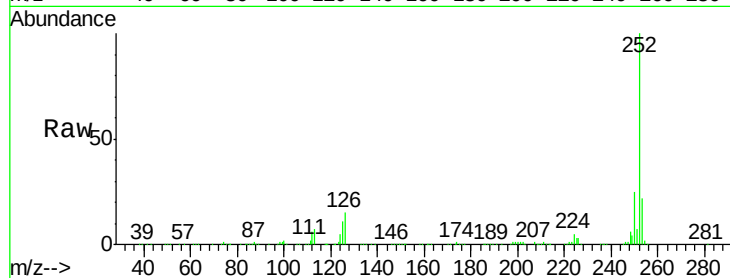




#87
Benzo(b)fluoranthene
Concen: 41.60 ng
RT: 15.03 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

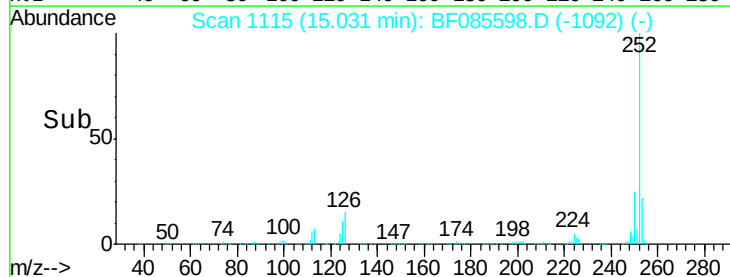
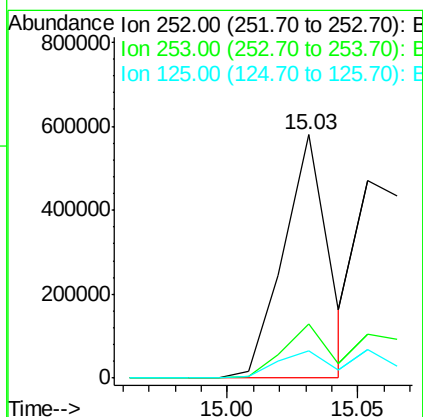
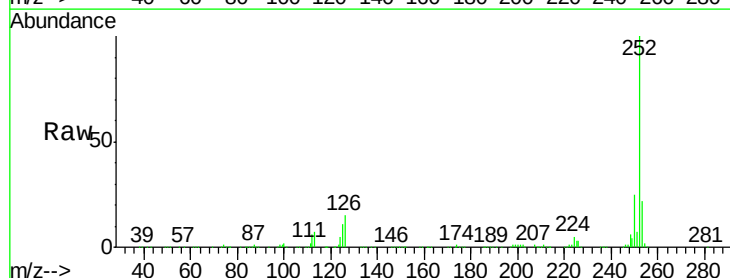
Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)MSD

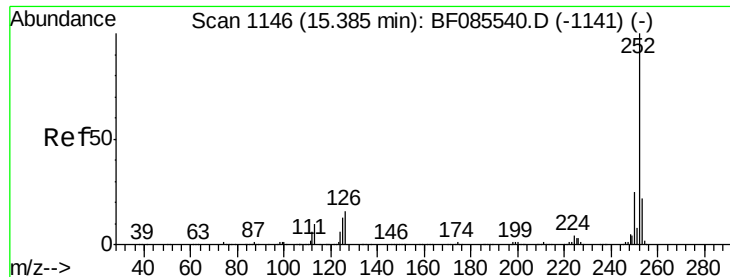
Tgt Ion:252 Resp: 689366
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 11.2 10.3 15.5



#88
Benzo(k)fluoranthene
Concen: 50.49 ng
RT: 15.03 min Scan# 1115
Delta R.T. -0.03 min
Lab File: BF085598.D
Acq: 20 Mar 2016 5:16

Tgt Ion:252 Resp: 689366
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 11.2 7.7 11.5





#89

Benzo(a)pyrene

Concen: 46.84 ng

RT: 15.39 min Scan# 1146

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD

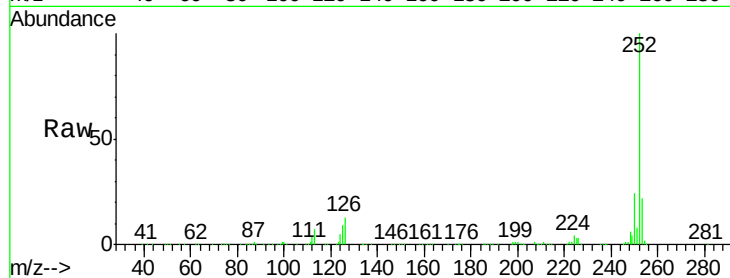
Tgt Ion:252 Resp: 658103

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

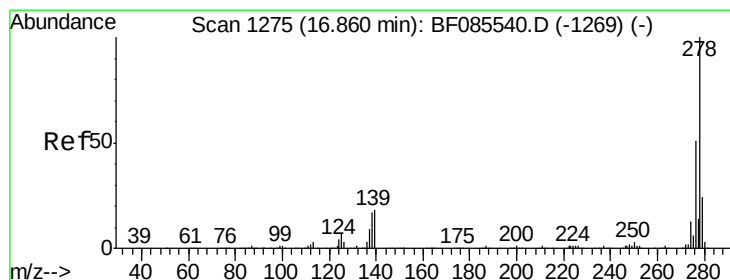
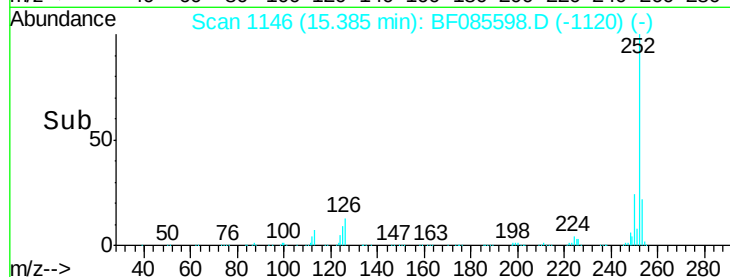
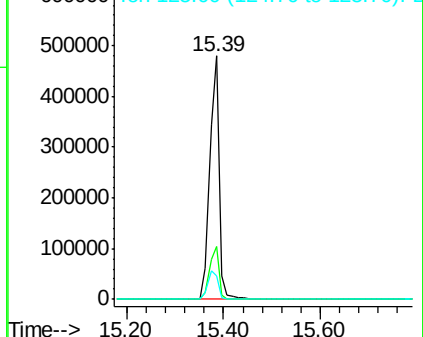
125 9.5 10.3 15.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 47.62 ng

RT: 16.86 min Scan# 1275

Delta R.T. 0.00 min

Lab File: BF085598.D

Acq: 20 Mar 2016 5:16

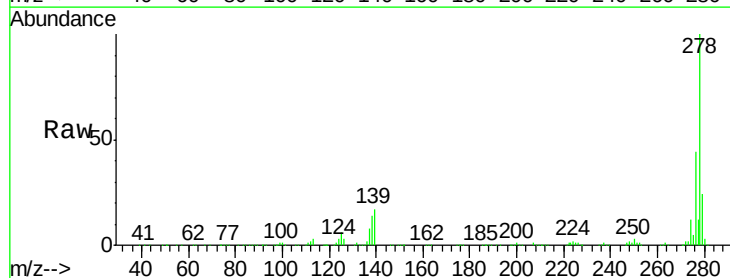
Tgt Ion:278 Resp: 558023

Ion Ratio Lower Upper

278 100

139 16.7 14.4 21.6

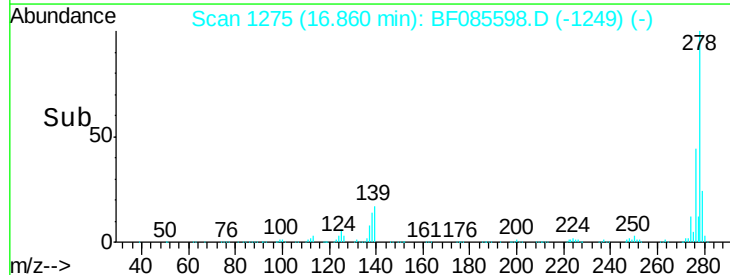
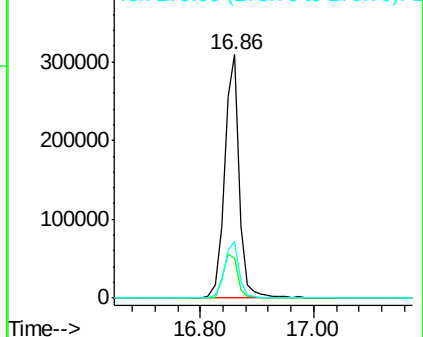
279 23.5 19.1 28.7

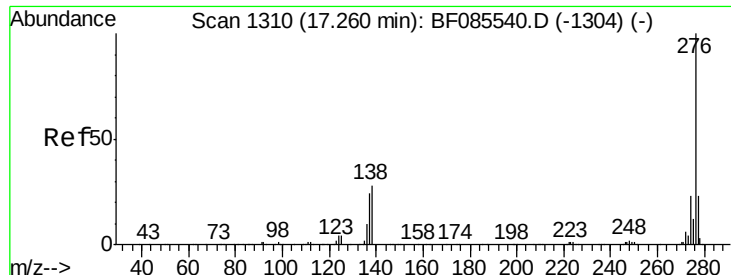


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 43.89 ng

RT: 17.26 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BF085598.D

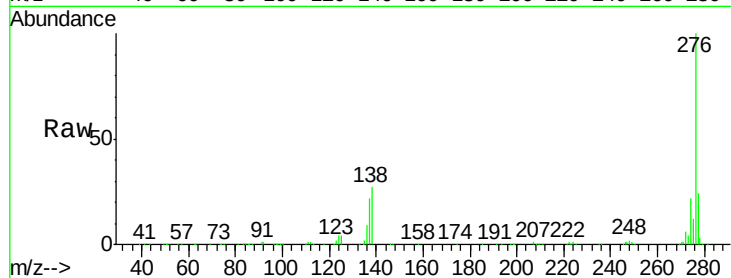
Acq: 20 Mar 2016 5:16

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)MSD



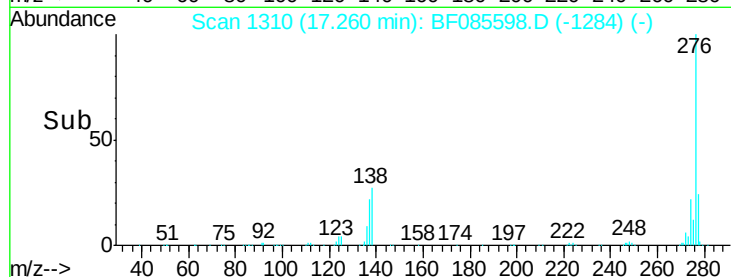
Tgt Ion: 276 Resp: 497759

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 26.6 22.6 34.0



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

