

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022415\
 Data File : BF077417.D
 Acq On : 24 Feb 2015 15:04
 Operator : IZ / TP
 Sample : G1336-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMSD

Quant Time: Feb 25 00:53:42 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 25 00:25:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	48641	20.00	ng	0.00
21) Naphthalene-d8	8.88	136	198034	20.00	ng	-0.01
38) Acenaphthene-d10	11.05	164	101603	20.00	ng	-0.01
63) Phenanthrene-d10	12.90	188	199837	20.00	ng	0.00
75) Chrysene-d12	16.18	240	214636	20.00	ng	-0.05
86) Perylene-d12	17.91	264	222630	20.00	ng	-0.15

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	162353	55.72	ng	0.00
7) Phenol-d6	6.85	99	288309	76.96	ng	-0.01
23) Nitrobenzene-d5	8.00	82	170836	53.64	ng	0.00
41) 2,4,6-Tribromophenol	12.03	330	47318	48.37	ng	-0.01
44) 2-Fluorobiphenyl	10.22	172	378640	58.11	ng	0.00
78) Terphenyl-d14	14.89	244	440690	48.00	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.26	88	25691	20.78	ng	95
3) Pyridine	3.00	79	77101	21.80	ng	92
4) n-Nitrosodimethylamine	2.91	42	36209	23.55	ng	99
6) Aniline	6.89	93	60127	11.61	ng	98
8) 2-Chlorophenol	7.02	128	71212	20.72	ng	96
10) Phenol	6.86	94	107369	24.16	ng	93
11) bis(2-Chloroethyl)ether	6.99	93	77665	24.32	ng	98
12) 1,3-Dichlorobenzene	7.23	146	89473	23.91	ng	# 89
13) 1,4-Dichlorobenzene	7.32	146	90031	23.65	ng	98
14) 1,2-Dichlorobenzene	7.50	146	88007	24.30	ng	99
15) Benzyl Alcohol	7.48	79	69291	24.33	ng	90
16) 2,2'-oxybis(1-Chloropropan	7.66	45	106112	23.24	ng	100
17) 2-Methylphenol	7.62	107	64756	24.10	ng	97
18) Hexachloroethane	7.93	117	30501	23.98	ng	94
19) n-Nitroso-di-n-propylamine	7.81	70	57963	24.36	ng	99
20) 3+4-Methylphenols	7.81	107	86929	24.57	ng	89
22) Acetophenone	7.80	105	110892	23.81	ng	# 96
24) Nitrobenzene	8.02	77	83087	24.80	ng	96
25) Isophorone	8.32	82	154418	24.44	ng	98
26) 2-Nitrophenol	8.41	139	26695	19.44	ng	99
27) 2,4-Dimethylphenol	8.46	122	71223	23.18	ng	97
28) bis(2-Chloroethoxy)methane	8.59	93	90575	22.69	ng	98
29) 2,4-Dichlorophenol	8.70	162	59215	20.53	ng	93
30) 1,2,4-Trichlorobenzene	8.81	180	75027	23.66	ng	99
31) Naphthalene	8.91	128	246608	24.90	ng	98
33) 4-Chloroaniline	8.98	127	61110	13.88	ng	98
34) Hexachlorobutadiene	9.06	225	43087	23.80	ng	97
35) Caprolactam	9.38	113	21849	24.82	ng	91
36) 4-Chloro-3-methylphenol	9.57	107	67836	23.40	ng	92
37) 2-Methylnaphthalene	9.77	142	170468	24.24	ng	100
39) 1,2,4,5-Tetrachlorobenzene	9.97	216	74253	25.47	ng	99
40) Hexachlorocyclopentadiene	9.96	237	63118	40.38	ng	99
42) 2,4,6-Trichlorophenol	10.11	196	21710	11.25	ng	99
43) 2,4,5-Trichlorophenol	10.16	196	36670	17.76	ng	97

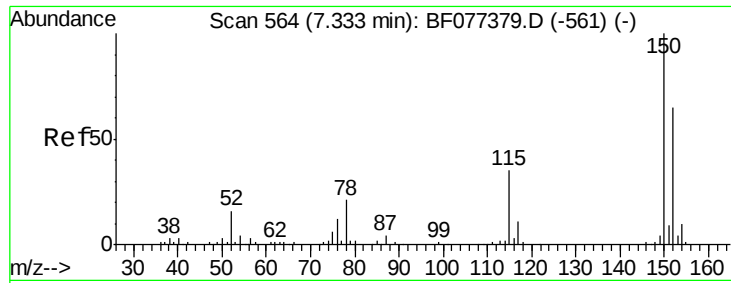
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1'-Biphenyl	10.35	154	195048	25.34	ng	99
46) 2-Chloronaphthalene	10.36	162	161122	26.69	ng	100
47) 2-Nitroaniline	10.49	65	39274	26.43	ng	94
48) Acenaphthylene	10.88	152	261354	27.35	ng	99
49) Dimethylphthalate	10.73	163	199206	27.89	ng	99
50) 2,6-Dinitrotoluene	10.80	165	38419	26.82	ng	# 47
51) Acenaphthene	11.09	154	149289	26.18	ng	100
52) 3-Nitroaniline	11.00	138	41073	24.87	ng	88
54) Dibenzofuran	11.31	168	229816	26.10	ng	96
55) 4-Nitrophenol	11.21	139	6759	5.09	ng	# 78
56) 2,4-Dinitrotoluene	11.30	165	50326	26.00	ng	93
57) Fluorene	11.73	166	190439	27.05	ng	100
58) 2,3,4,6-Tetrachlorophenol	11.46	232	10842	6.53	ng	# 97
59) Diethylphthalate	11.61	149	180005	25.57	ng	98
60) 4-Chlorophenyl-phenylether	11.75	204	87296	25.74	ng	94
61) 4-Nitroaniline	11.76	138	44321	28.00	ng	87
62) Azobenzene	11.94	77	183077	27.41	ng	91
64) 4,6-Dinitro-2-methylphenol	11.79	198	1252	5.16	ng	# 1
65) n-Nitrosodiphenylamine	11.88	169	157546	23.76	ng	99
66) 4-Bromophenyl-phenylether	12.35	248	52682	22.51	ng	# 91
67) Hexachlorobenzene	12.41	284	58679	23.36	ng	# 86
68) Atrazine	12.56	200	50062	23.22	ng	98
69) Pentachlorophenol	12.65	266	8668	6.57	ng	96
70) Phenanthrene	12.92	178	279923	24.17	ng	100
71) Anthracene	12.99	178	285436	24.83	ng	98
72) Carbazole	13.19	167	268527	24.57	ng	99
73) Di-n-butylphthalate	13.64	149	288175	22.46	ng	97
74) Fluoranthene	14.40	202	310741	24.56	ng	97
76) Benzidine	14.58	184	131904	18.19	ng	98
77) Pyrene	14.68	202	316100	24.08	ng	99
79) Butylbenzylphthalate	15.51	149	123491	22.86	ng	86
80) Benzo(a)anthracene	16.17	228	295584	23.50	ng	99
81) 3,3'-Dichlorobenzidine	16.15	252	79978	17.35	ng	# 96
82) Chrysene	16.21	228	281763	23.85	ng	98
83) Bis(2-ethylhexyl)phthalate	16.23	149	169654	19.59	ng	# 95
84) Di-n-octyl phthalate	17.01	149	293204	20.27	ng	# 99
87) Benzo(b)fluoranthene	17.46	252	350444	27.07	ng	# 97
88) Benzo(k)fluoranthene	17.46	252	350444	27.62	ng	98
89) Benzo(a)pyrene	17.84	252	291965	23.68	ng	# 97
90) Dibenzo(a,h)anthracene	19.41	278	289173	24.59	ng	# 95
91) Benzo(g,h,i)perylene	19.81	276	295502	24.90	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.30 min Scan# 561

Delta R.T. -0.00 min

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ClientSampleId :

DRILL-CUTTINGMSD

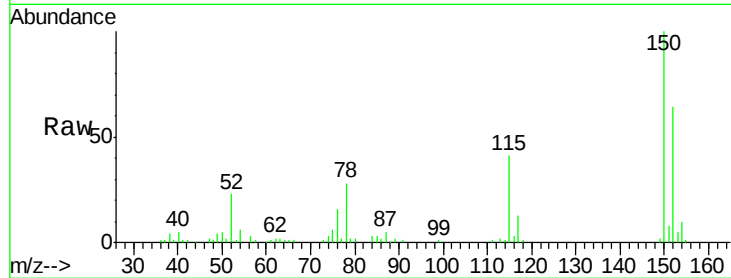
Tgt Ion:152 Resp: 48641

Ion Ratio Lower Upper

152 100

150 156.1 124.0 186.0

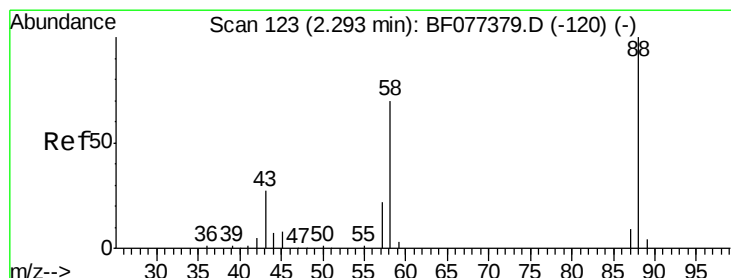
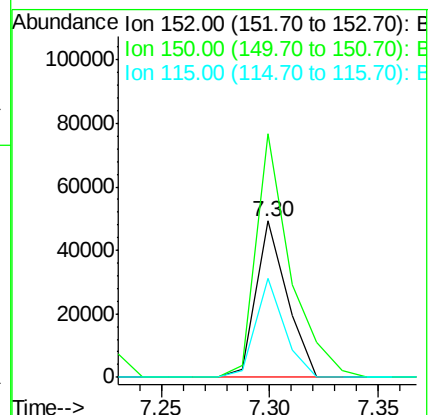
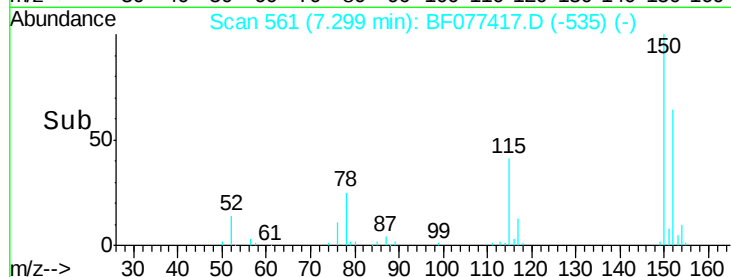
115 63.8 49.4 74.2



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: 20.78 ng

RT: 2.26 min Scan# 120

Delta R.T. 0.02 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

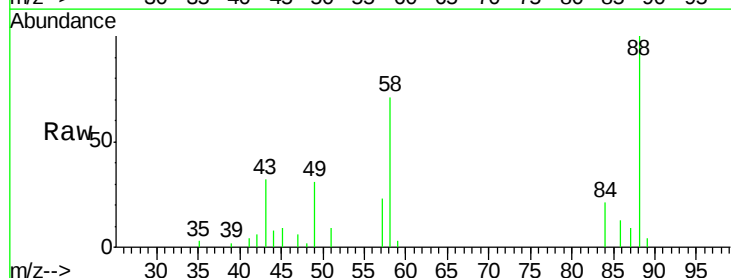
Tgt Ion: 88 Resp: 25691

Ion Ratio Lower Upper

88 100

58 82.3 62.1 93.1

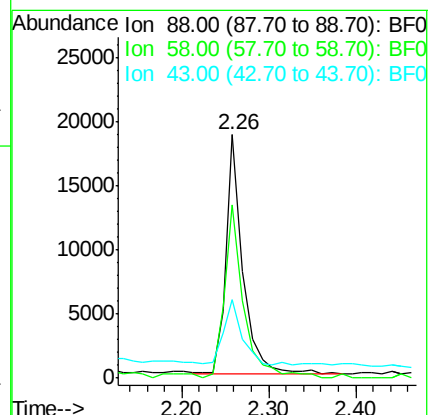
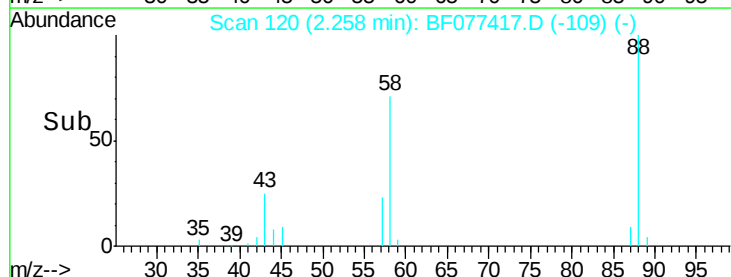
43 28.7 24.0 36.0

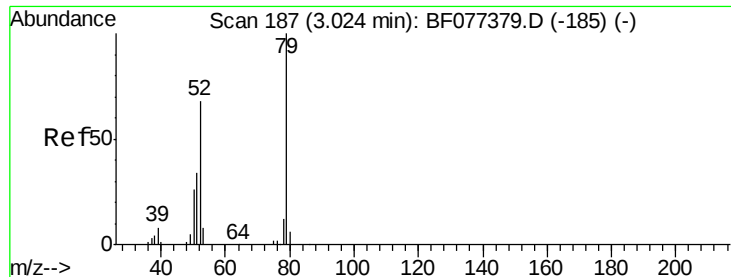


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 21.80 ng

RT: 3.00 min Scan# 185

Delta R.T. 0.03 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGMSD

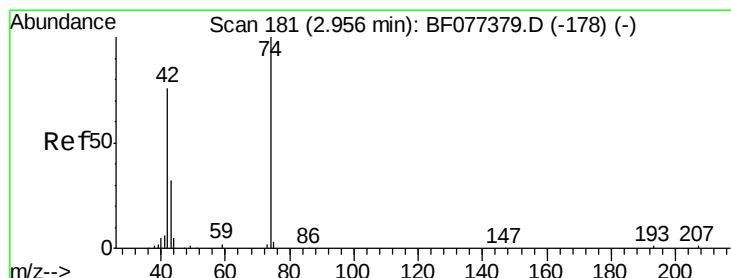
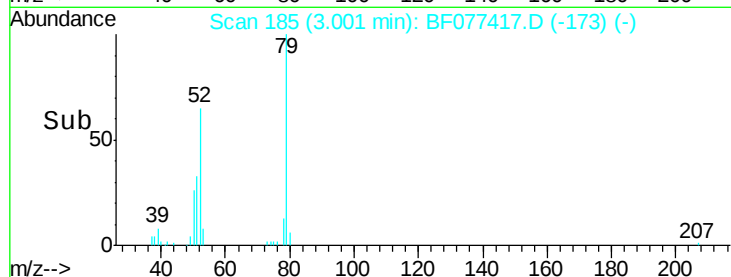
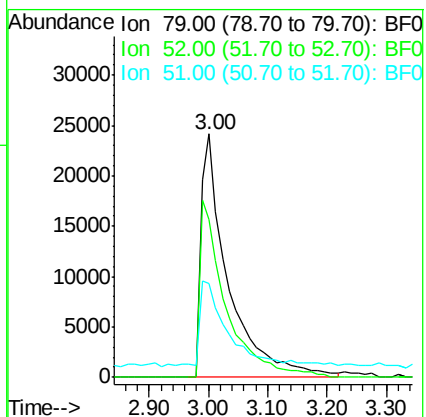
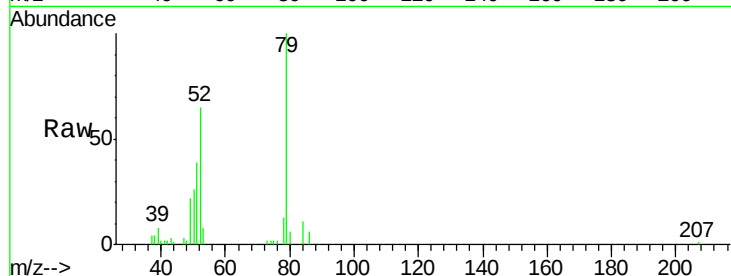
Tgt Ion: 79 Resp: 77101

Ion Ratio Lower Upper

79 100

52 64.8 57.7 86.5

51 38.6 28.5 42.7



#4

n-Nitrosodimethylamine

Concen: 23.55 ng

RT: 2.91 min Scan# 177

Delta R.T. 0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

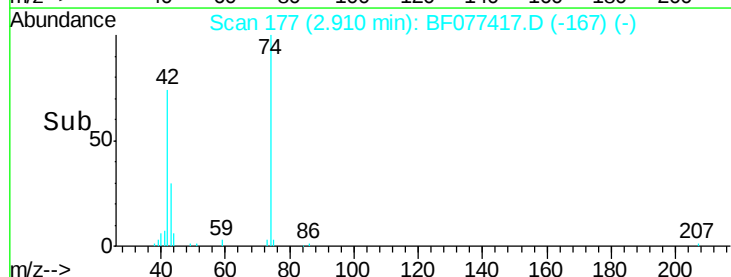
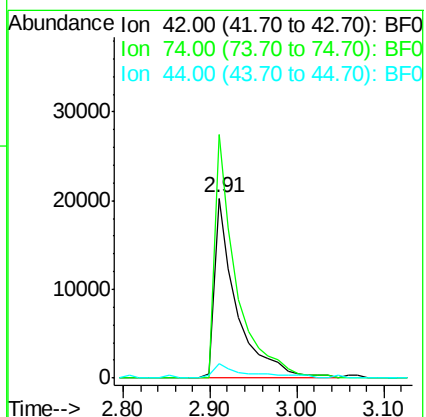
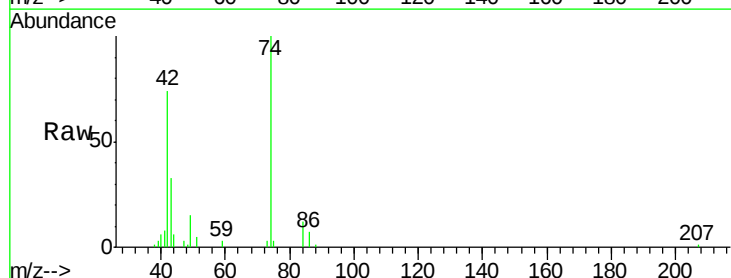
Tgt Ion: 42 Resp: 36209

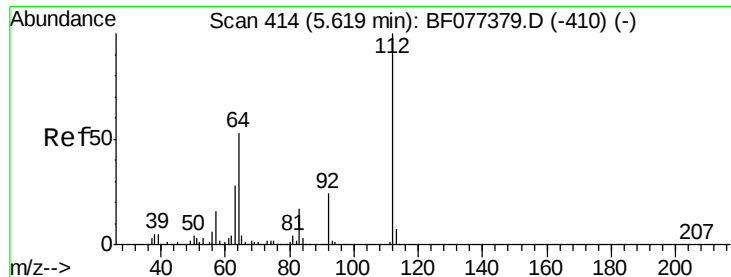
Ion Ratio Lower Upper

42 100

74 135.5 107.1 160.7

44 8.3 6.7 10.1





#5

2-Fluorophenol

Concen: 55.72 ng

RT: 5.60 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGMSD

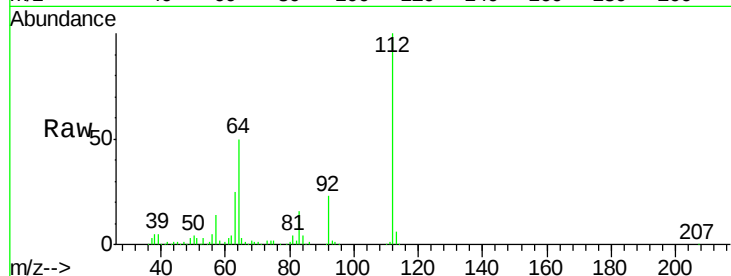
Tgt Ion: 112 Resp: 162353

Ion Ratio Lower Upper

112 100

64 49.8 48.5 72.7

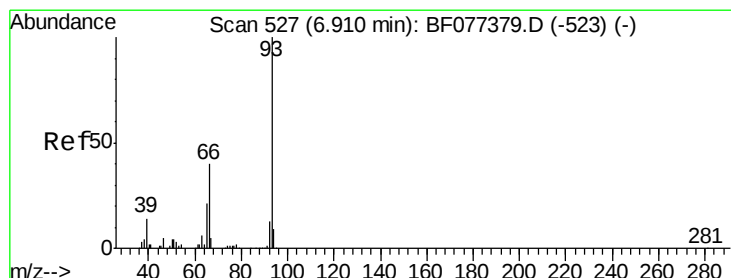
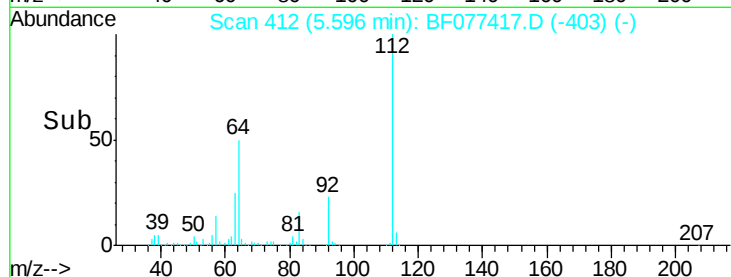
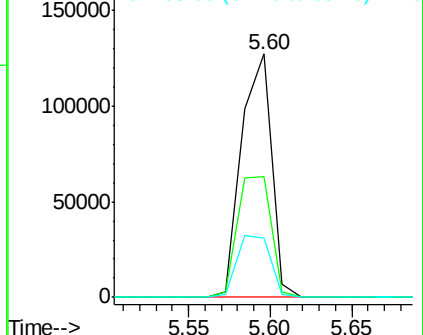
63 24.5 25.0 37.4#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 11.61 ng

RT: 6.89 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

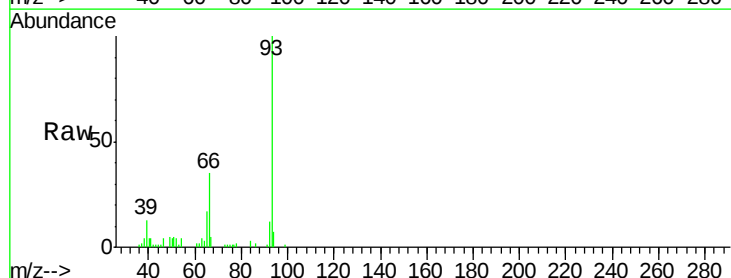
Tgt Ion: 93 Resp: 60127

Ion Ratio Lower Upper

93 100

66 35.5 29.1 43.7

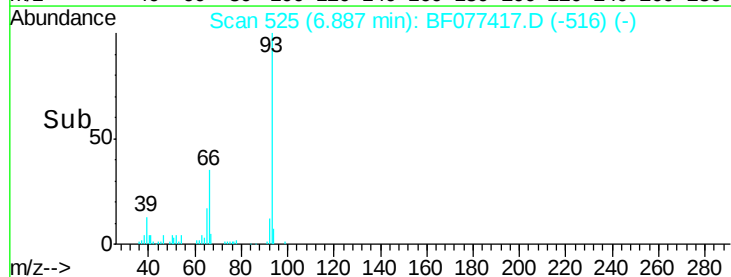
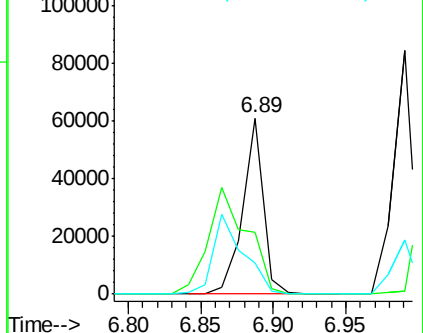
65 17.3 14.6 22.0

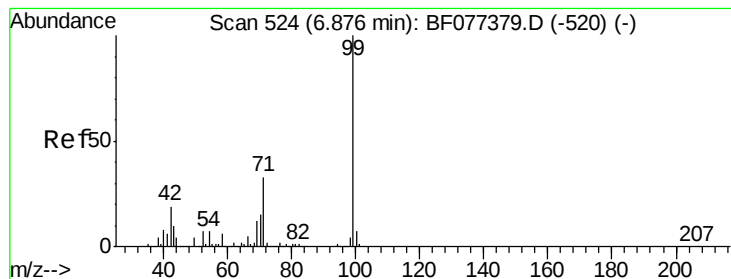


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 76.96 ng

RT: 6.85 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

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ClientSampleId :

DRILL-CUTTINGSMSD

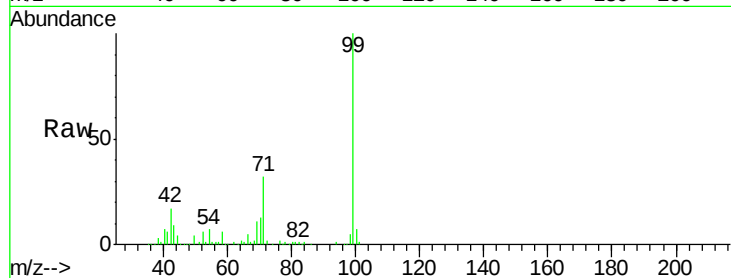
Tgt Ion: 99 Resp: 288309

Ion Ratio Lower Upper

99 100

42 17.4 16.2 24.4

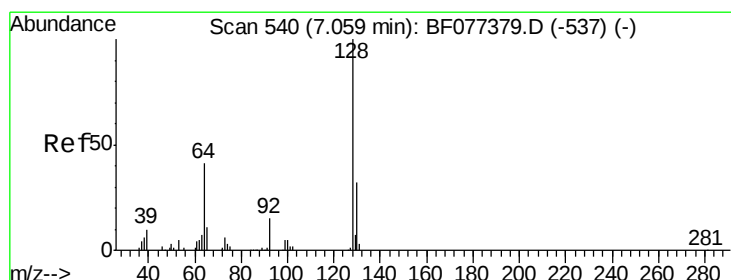
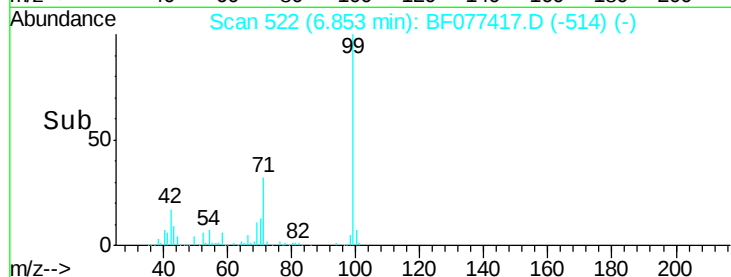
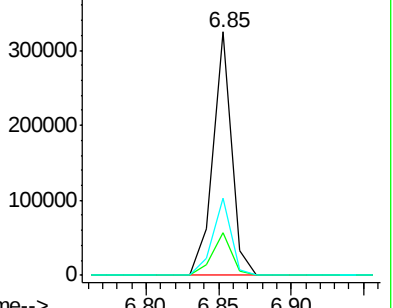
71 31.5 26.7 40.1



Abundance Ion 99.00 (98.70 to 99.70): BF077379.D (-520) (-)

Ion 42.00 (41.70 to 42.70): BF077379.D (-520) (-)

Ion 71.00 (70.70 to 71.70): BF077379.D (-520) (-)



#8

2-Chlorophenol

Concen: 20.72 ng

RT: 7.02 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

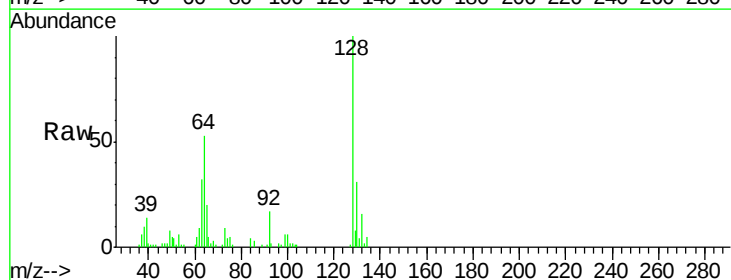
Tgt Ion: 128 Resp: 71212

Ion Ratio Lower Upper

128 100

130 31.3 12.0 52.0

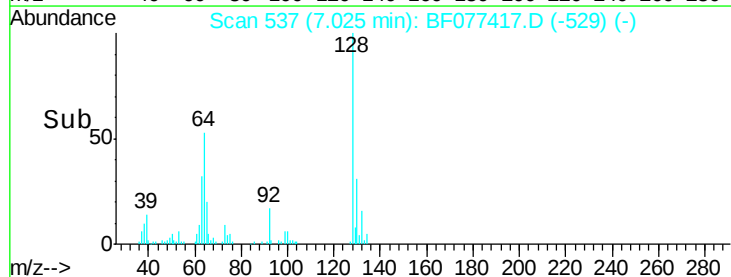
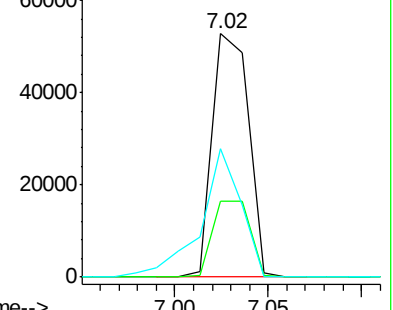
64 53.0 29.2 69.2

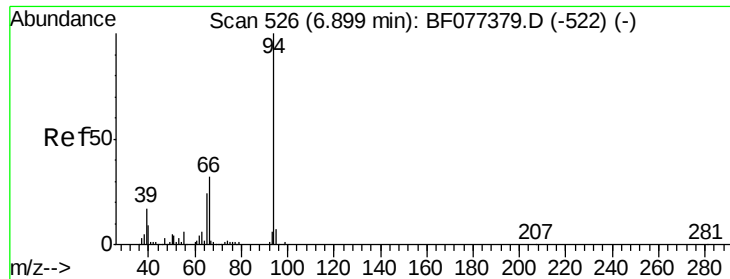


Abundance Ion 128.00 (127.70 to 128.70): BF077379.D (-537) (-)

Ion 130.00 (129.70 to 130.70): BF077379.D (-537) (-)

Ion 64.00 (63.70 to 64.70): BF077379.D (-537) (-)





#10

Phenol

Concen: 24.16 ng

RT: 6.86 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

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DRILL-CUTTINGMSD

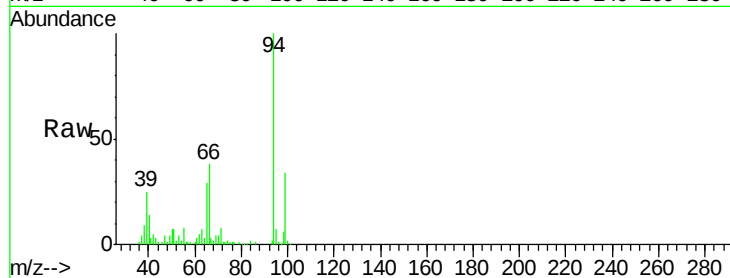
Tgt Ion: 94 Resp: 107369

Ion Ratio Lower Upper

94 100

65 28.6 5.7 45.7

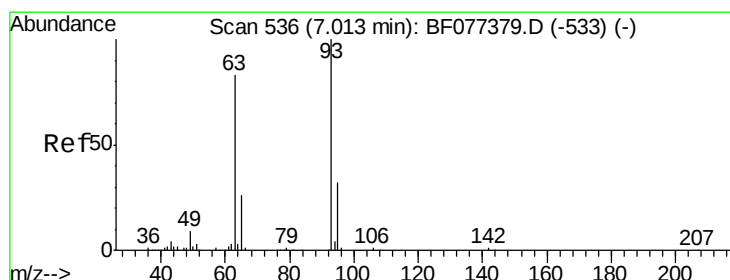
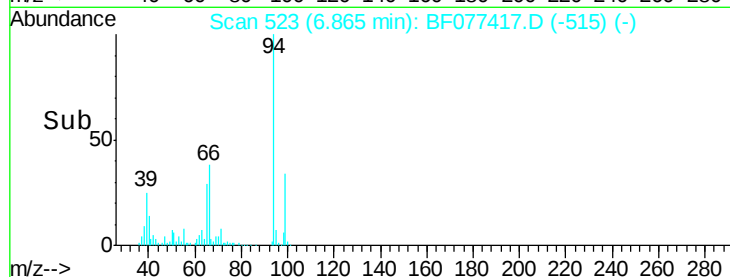
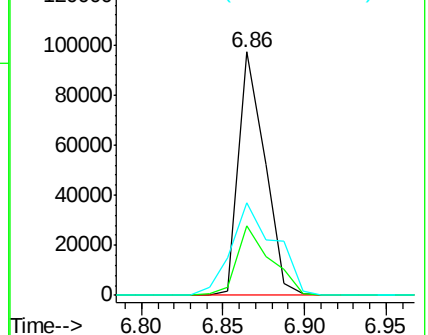
66 38.2 13.6 53.6



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 24.32 ng

RT: 6.99 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

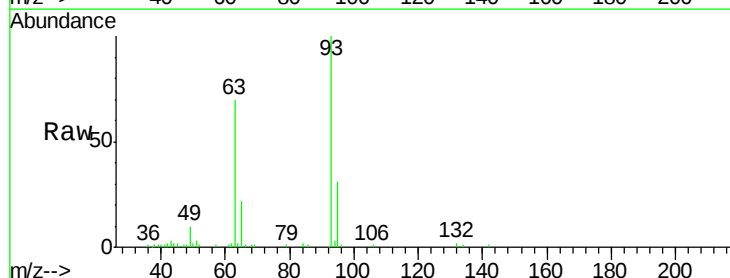
Tgt Ion: 93 Resp: 77665

Ion Ratio Lower Upper

93 100

63 69.9 48.7 88.7

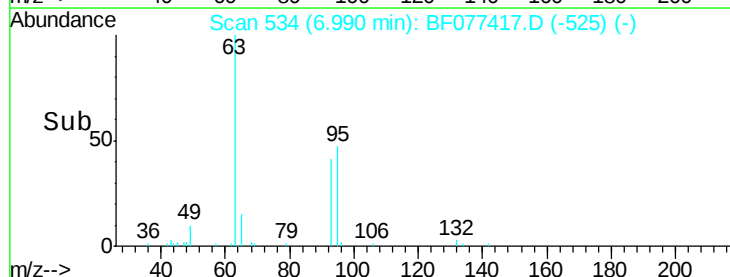
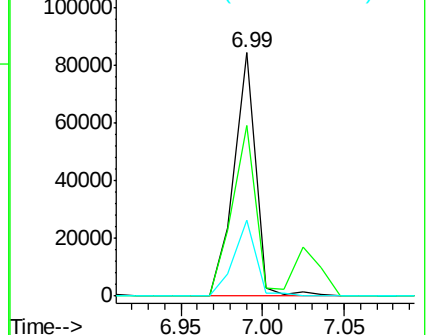
95 31.2 13.6 53.6

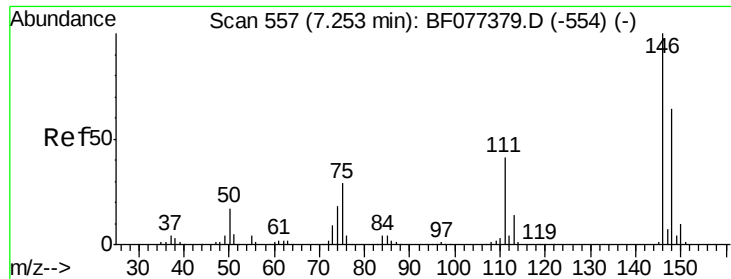


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

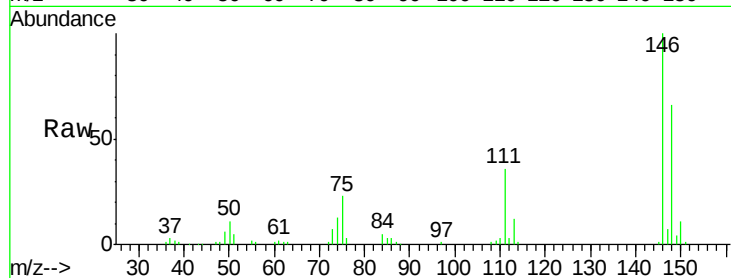




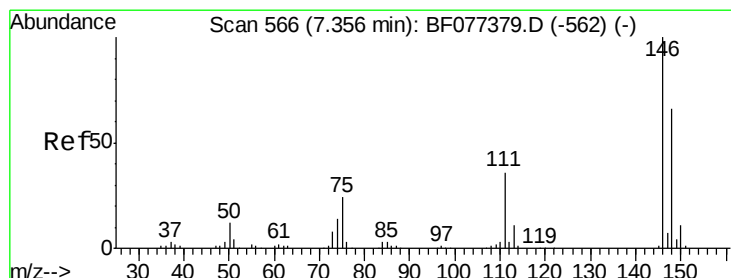
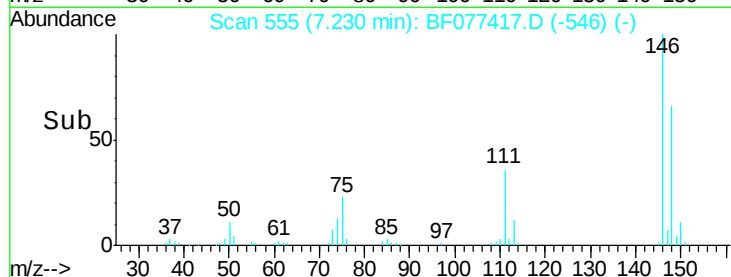
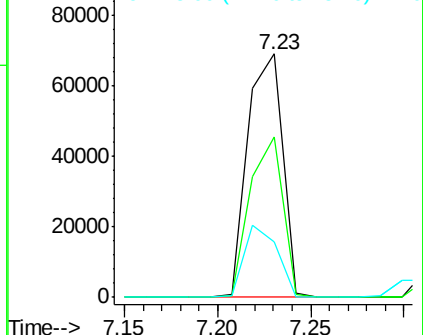
#12
 1,3-Dichlorobenzene
 Concen: 23.91 ng
 RT: 7.23 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMSD

Tgt Ion:146 Resp: 89473
 Ion Ratio Lower Upper
 146 100
 148 65.9 49.8 74.8
 75 23.0 28.2 42.4#

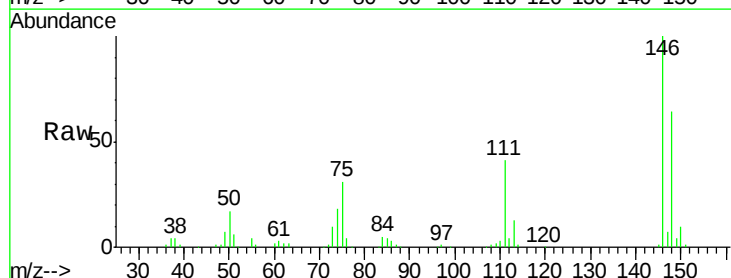


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

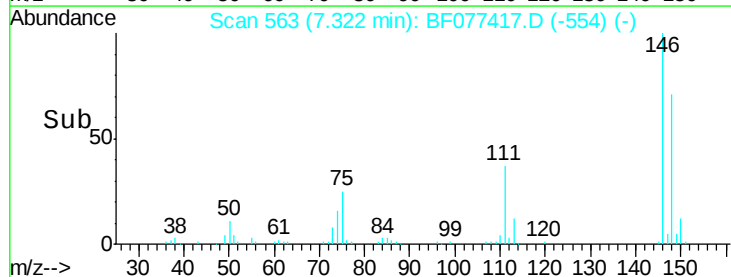
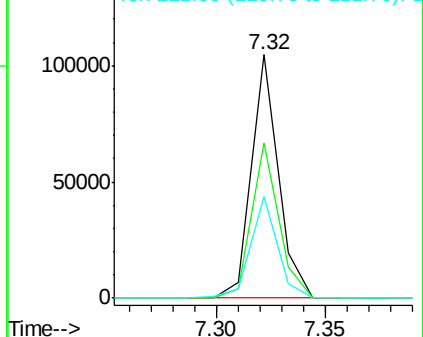


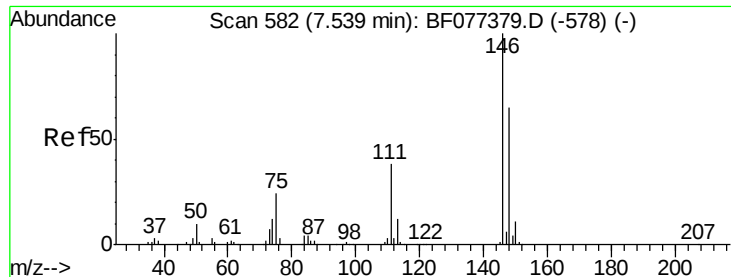
#13
 1,4-Dichlorobenzene
 Concen: 23.65 ng
 RT: 7.32 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion:146 Resp: 90031
 Ion Ratio Lower Upper
 146 100
 148 63.9 52.0 78.0
 111 41.5 31.9 47.9



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

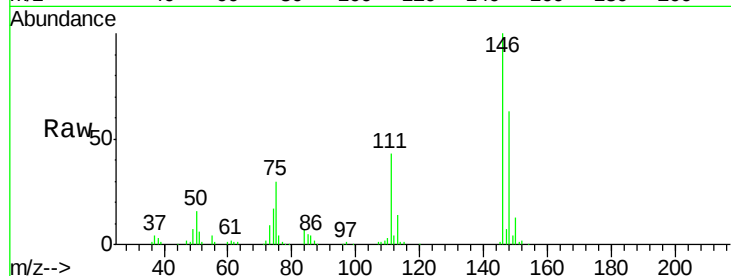




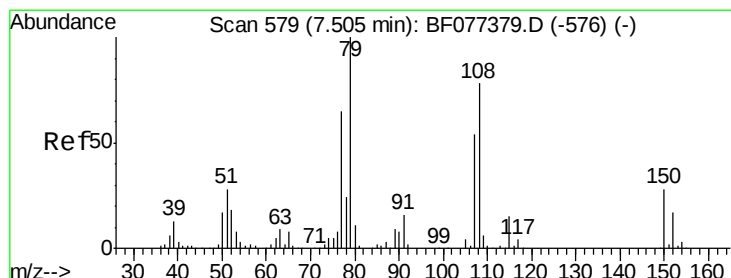
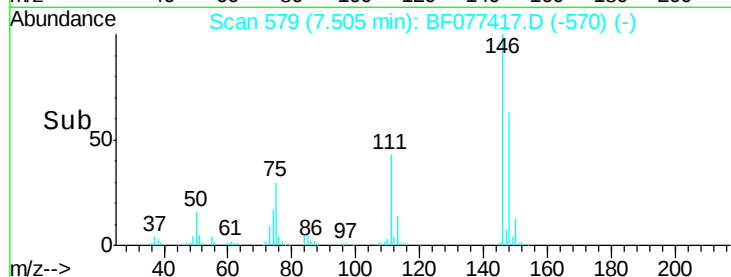
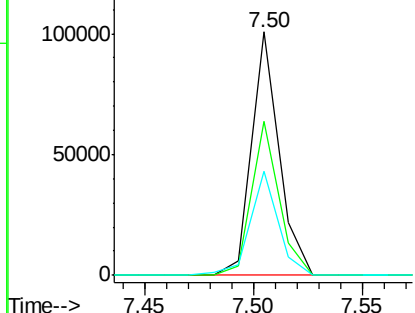
#14
1,2-Dichlorobenzene
Concen: 24.30 ng
RT: 7.50 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMSD

Tgt Ion:146 Resp: 88007
Ion Ratio Lower Upper
146 100
148 63.5 51.6 77.4
111 42.9 34.2 51.2

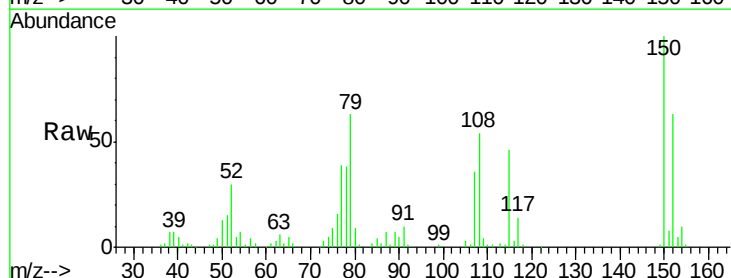


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

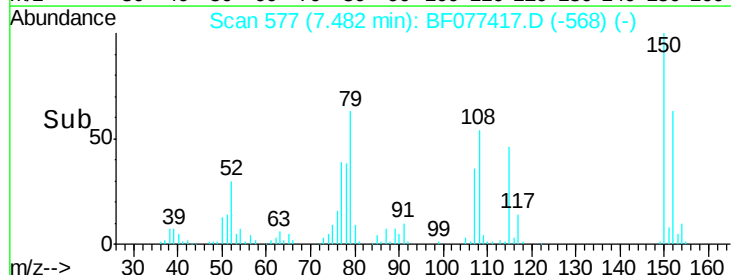
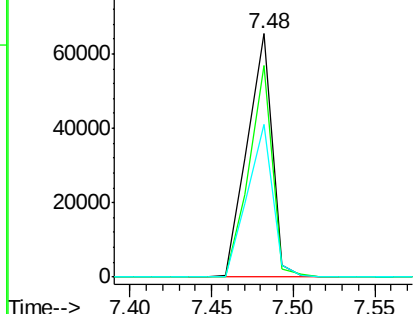


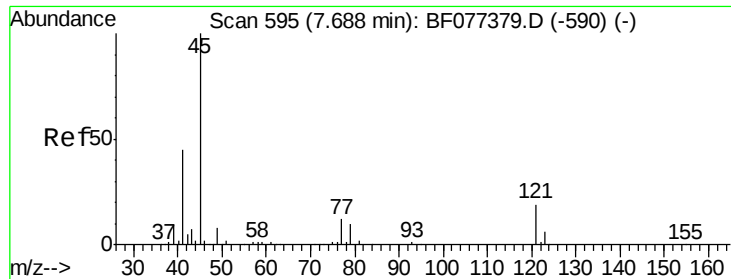
#15
Benzyl Alcohol
Concen: 24.33 ng
RT: 7.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion: 79 Resp: 69291
Ion Ratio Lower Upper
79 100
108 86.7 58.3 87.5
77 62.9 51.3 76.9



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

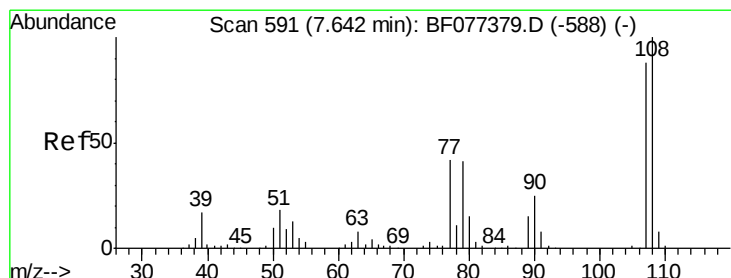
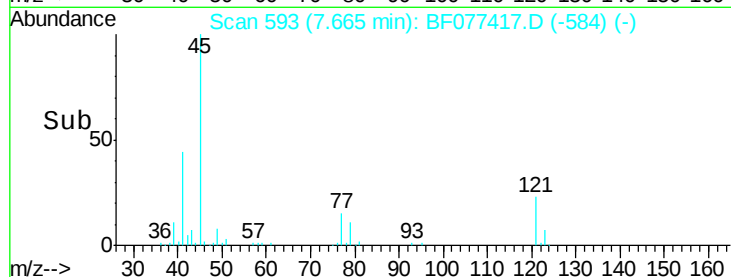
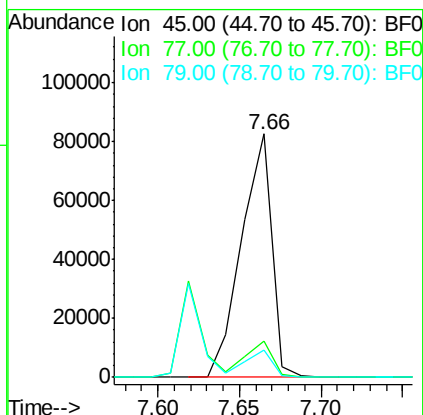
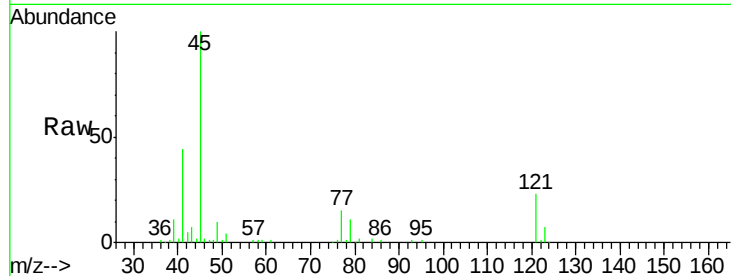




#16
2,2'-oxybis(1-Chloropropane)
Concen: 23.24 ng
RT: 7.66 min Scan# 593
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

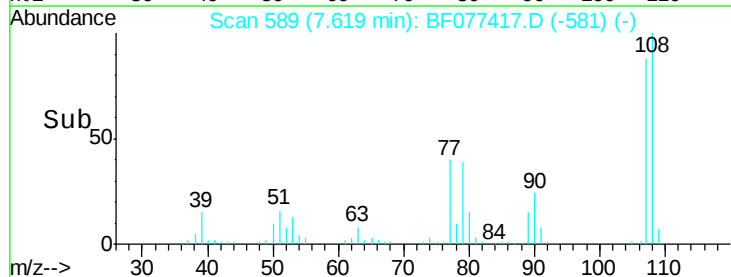
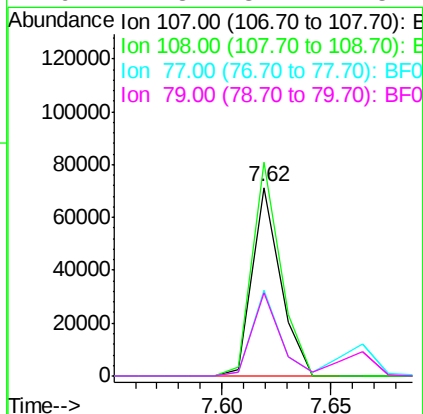
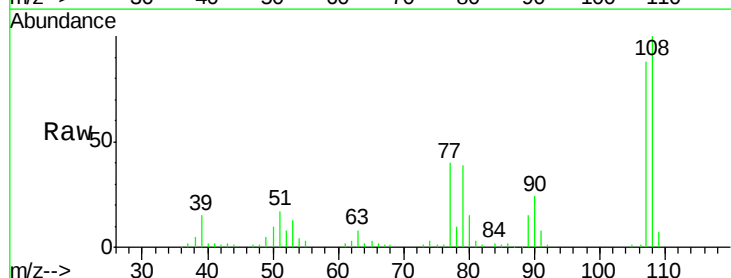
Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

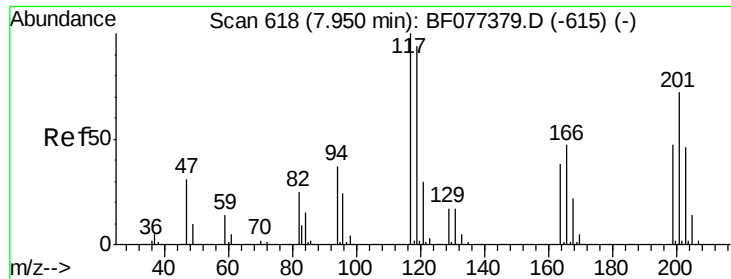
Tgt Ion: 45 Resp: 106112
Ion Ratio Lower Upper
45 100
77 14.8 0.0 34.6
79 11.3 0.0 31.5



#17
2-Methylphenol
Concen: 24.10 ng
RT: 7.62 min Scan# 589
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion: 107 Resp: 64756
Ion Ratio Lower Upper
107 100
108 113.3 91.2 136.8
77 45.8 33.6 50.4
79 44.3 32.1 48.1

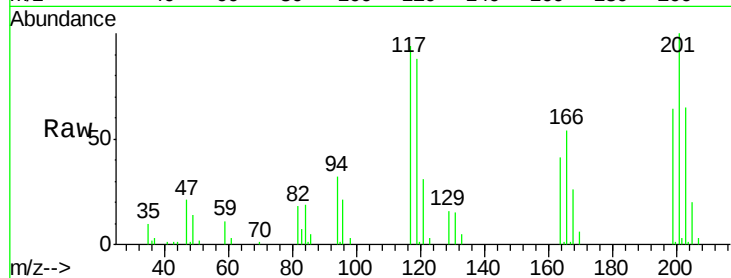




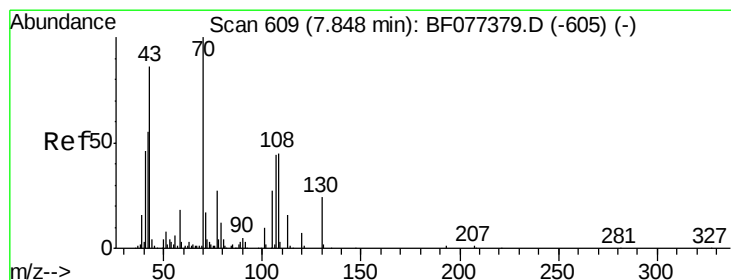
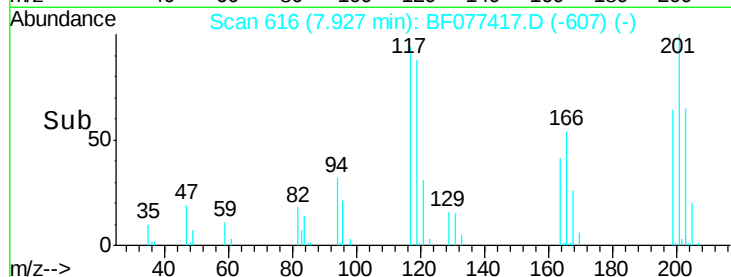
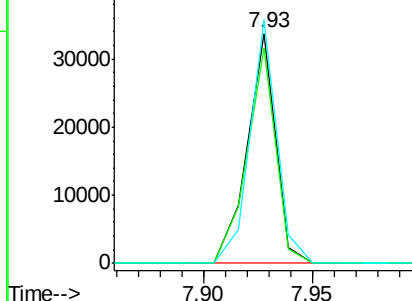
#18
Hexachloroethane
Concen: 23.98 ng
RT: 7.93 min Scan# 616
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMSD

Tgt Ion: 117 Resp: 30501
Ion Ratio Lower Upper
117 100
119 93.4 77.8 116.8
201 105.8 90.6 136.0



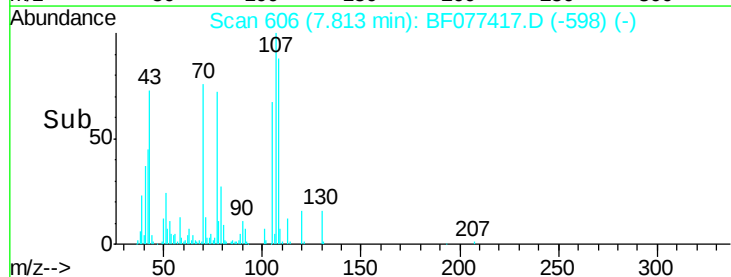
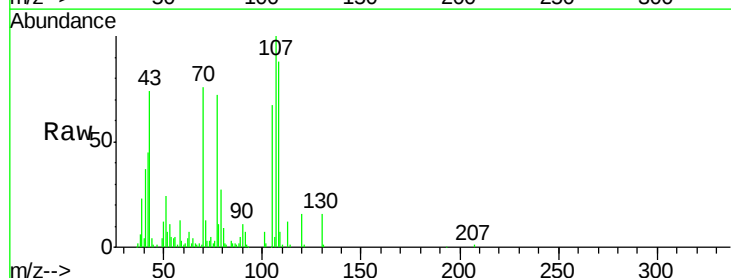
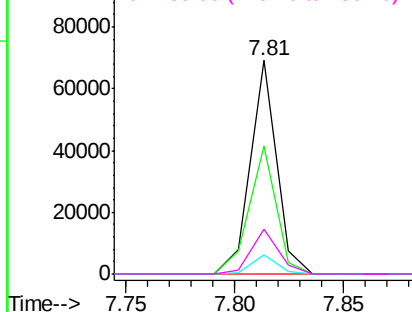
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

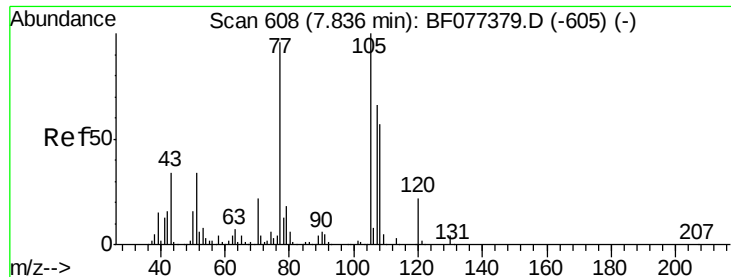


#19
n-Nitroso-di-n-propylamine
Concen: 24.36 ng
RT: 7.81 min Scan# 606
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion: 70 Resp: 57963
Ion Ratio Lower Upper
70 100
42 59.7 48.3 72.5
101 9.2 7.5 11.3
130 21.0 16.7 25.1

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

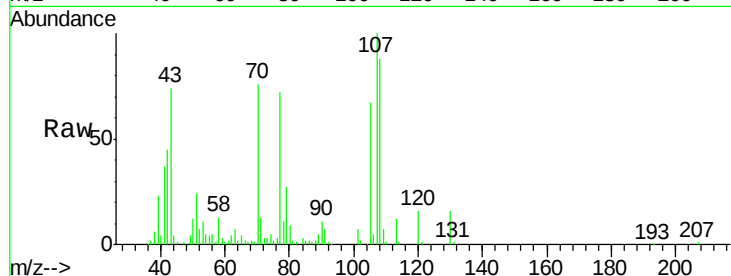




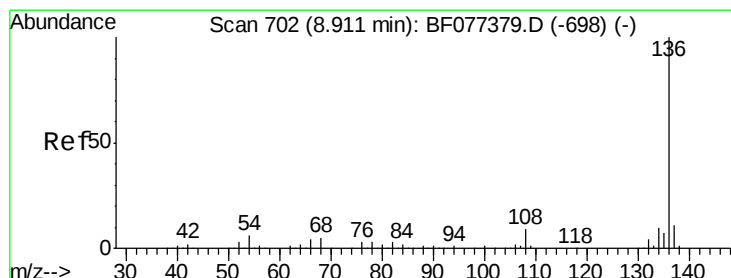
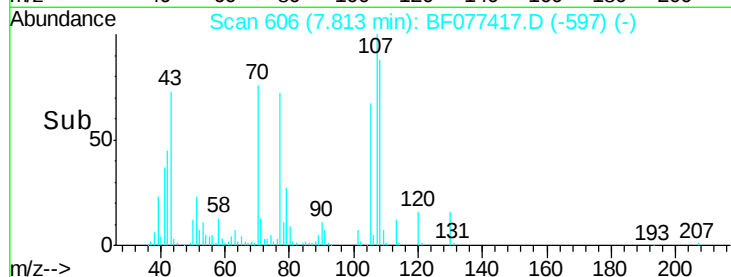
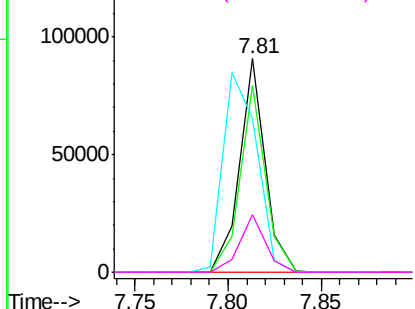
#20
3+4-Methylphenols
Concen: 24.57 ng
RT: 7.81 min Scan# 606
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

Tgt Ion:107 Resp: 86929
Ion Ratio Lower Upper
107 100
108 87.6 76.8 116.8
77 71.9 65.8 105.8
79 27.1 9.6 49.6

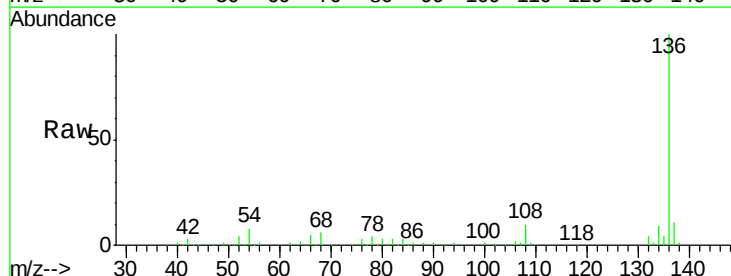


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

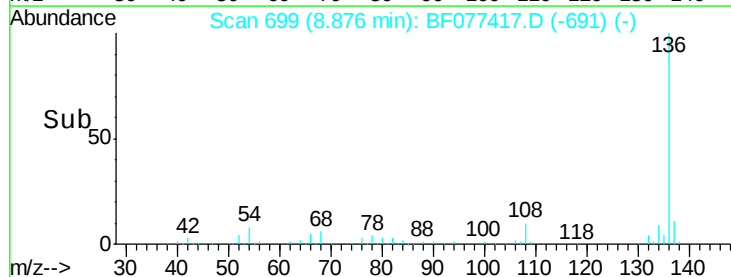
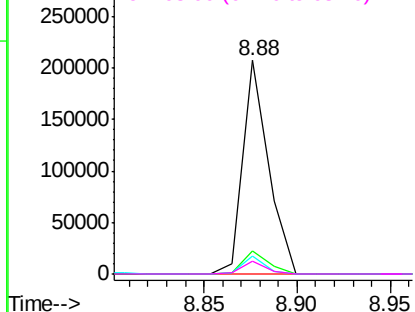


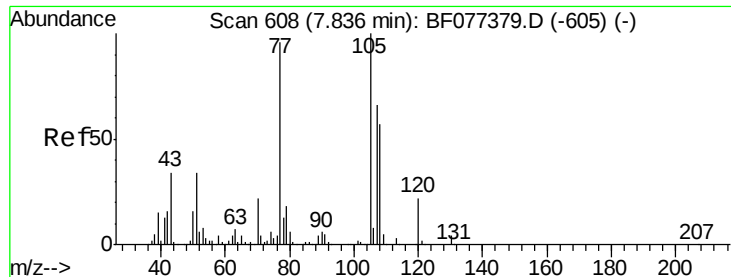
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion:136 Resp: 198034
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.3 6.2 9.4
68 6.2 5.0 7.6



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: 23.81 ng

RT: 7.80 min Scan# 605

Delta R.T. -0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGMSD

Tgt Ion: 105 Resp: 110892

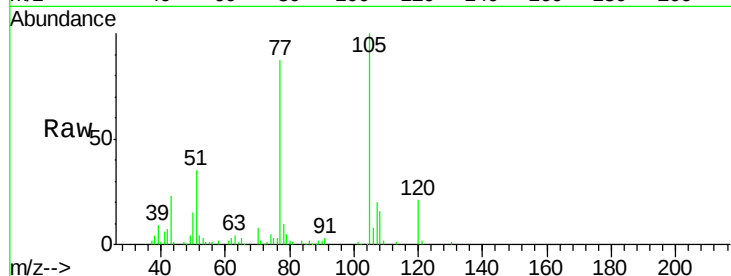
Ion Ratio Lower Upper

105 100

71 1.6 1.7 2.5#

51 34.6 30.7 46.1

120 20.7 16.7 25.1

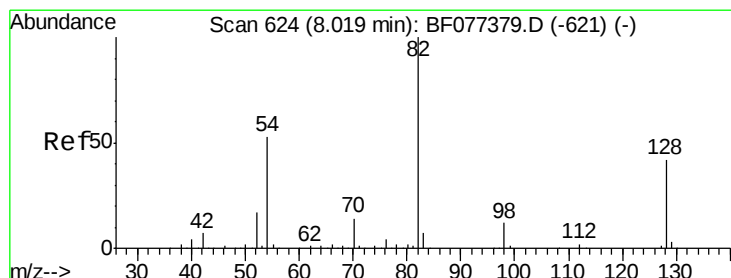
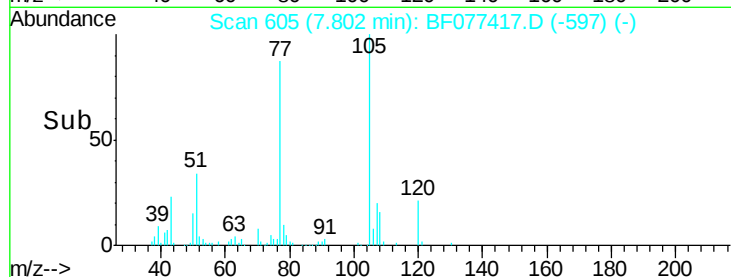
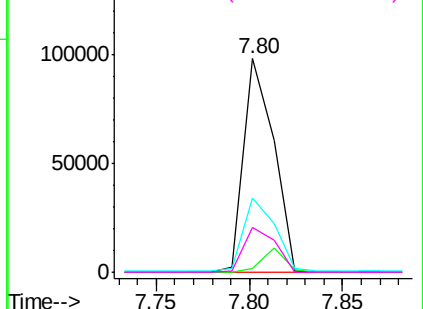


Abundance Ion 105.00 (104.70 to 105.70): E

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: 53.64 ng

RT: 8.00 min Scan# 622

Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

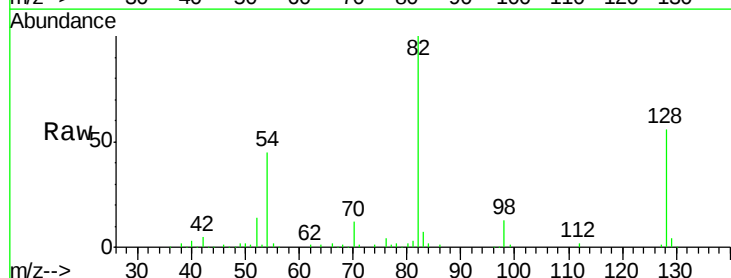
Tgt Ion: 82 Resp: 170836

Ion Ratio Lower Upper

82 100

128 55.9 43.8 65.8

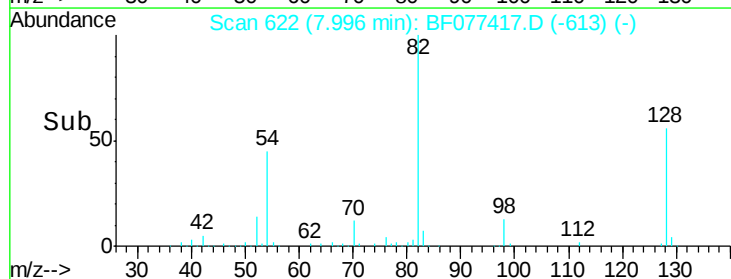
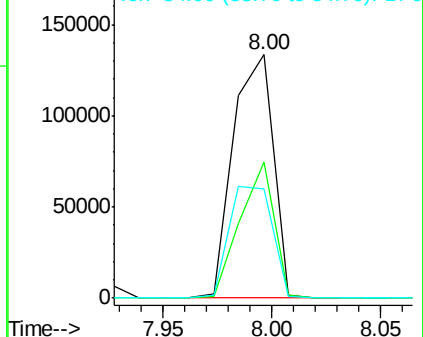
54 45.1 36.7 55.1

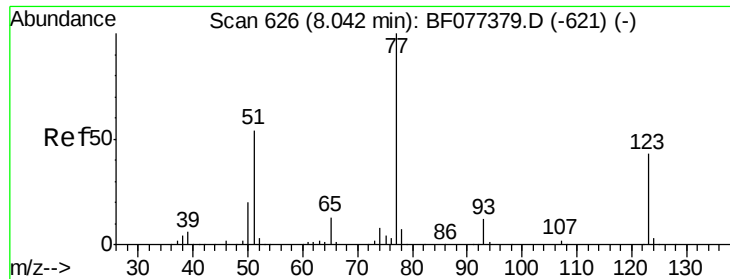


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

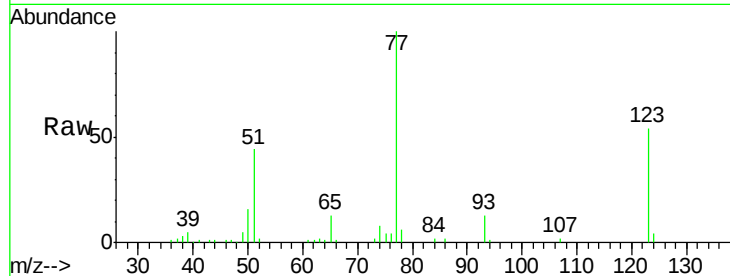




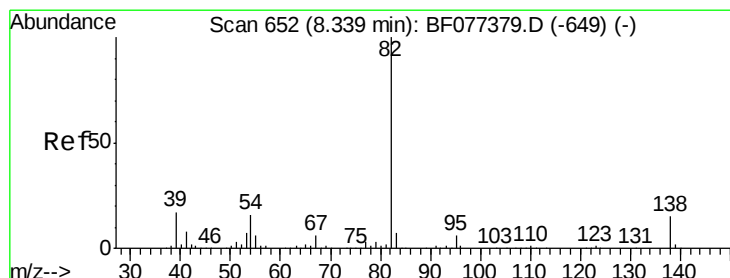
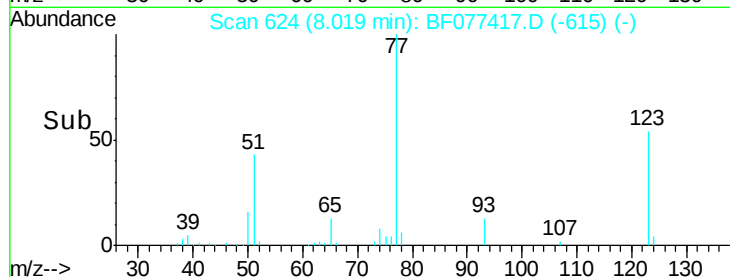
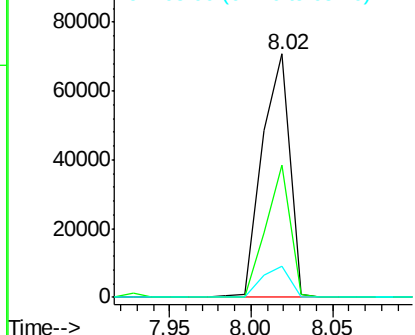
#24
Nitrobenzene
Concen: 24.80 ng
RT: 8.02 min Scan# 624
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

Tgt Ion: 77 Resp: 83087
Ion Ratio Lower Upper
77 100
123 54.4 45.9 68.9
65 12.6 9.5 14.3

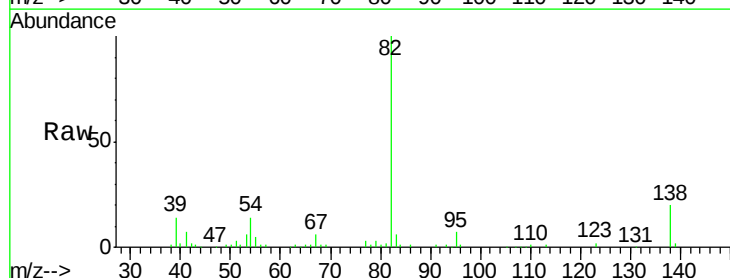


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): BF0
Ion 65.00 (64.70 to 65.70): BF0

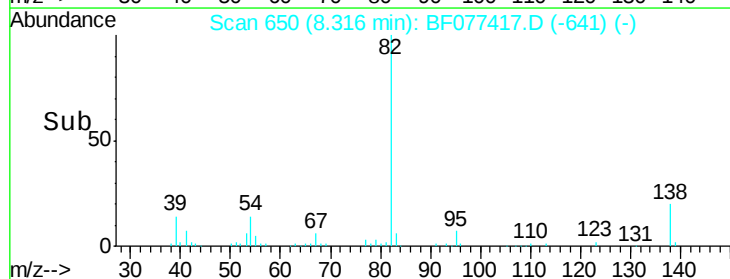
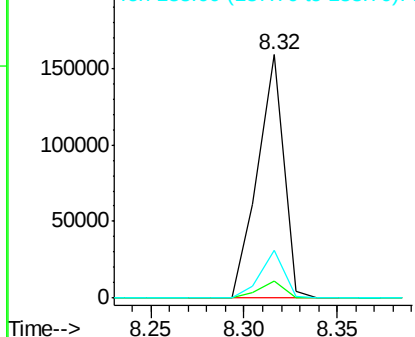


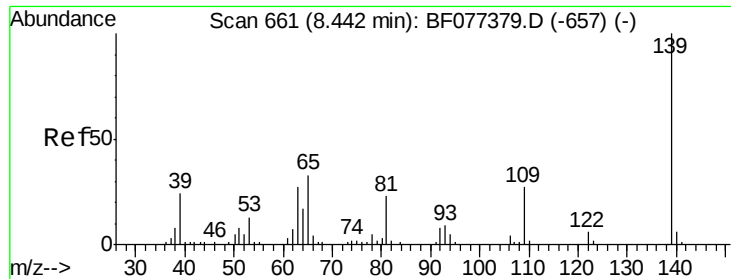
#25
Isophorone
Concen: 24.44 ng
RT: 8.32 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion: 82 Resp: 154418
Ion Ratio Lower Upper
82 100
95 7.2 5.4 8.2
138 19.5 16.3 24.5



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

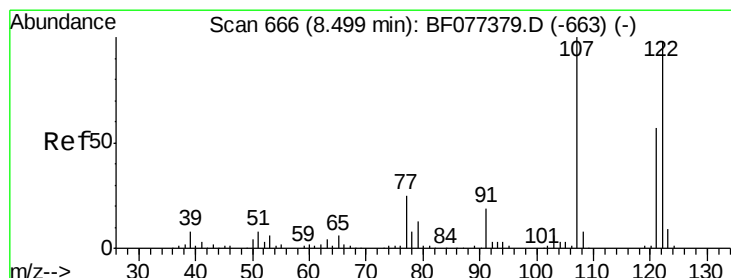
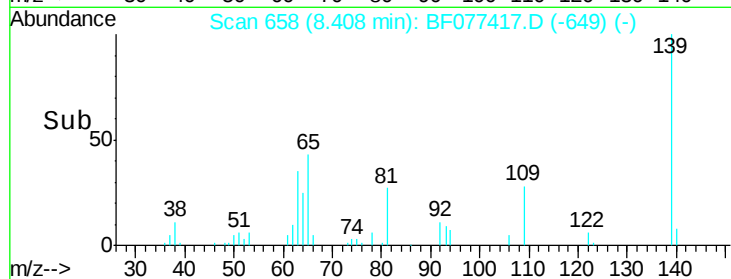
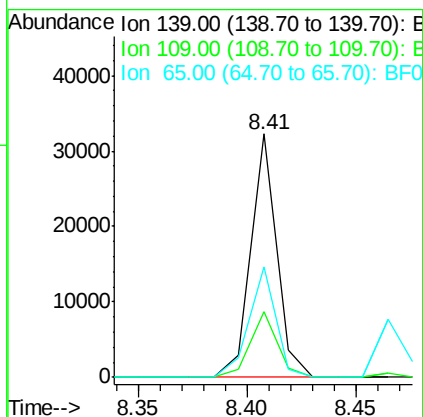
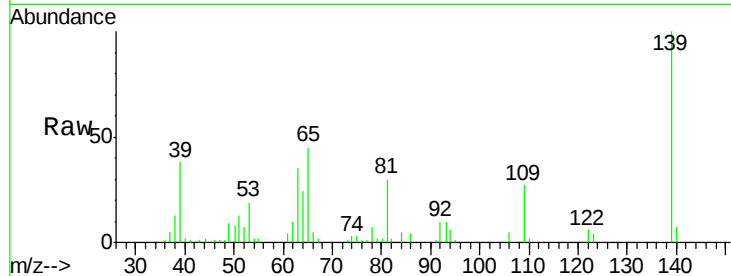




#26
 2-Nitrophenol
 Concen: 19.44 ng
 RT: 8.41 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

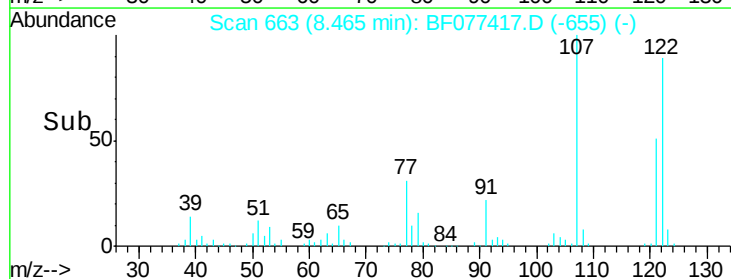
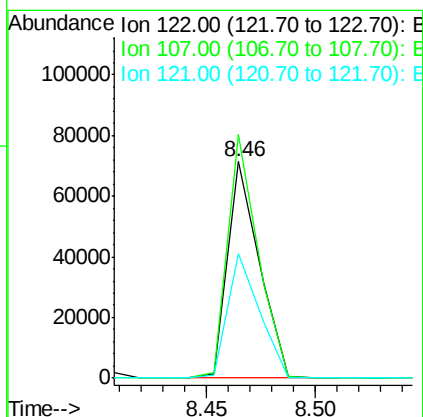
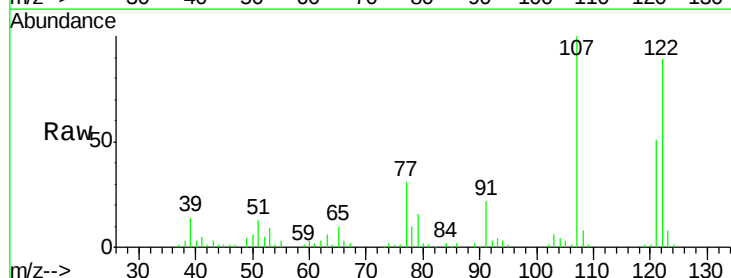
Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMSD

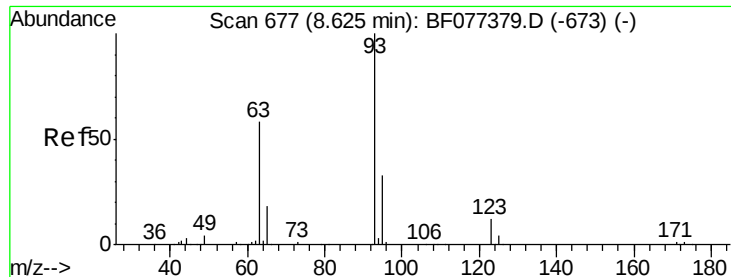
Tgt Ion:139 Resp: 26695
 Ion Ratio Lower Upper
 139 100
 109 27.0 22.6 34.0
 65 45.4 36.4 54.6



#27
 2,4-Dimethylphenol
 Concen: 23.18 ng
 RT: 8.46 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion:122 Resp: 71223
 Ion Ratio Lower Upper
 122 100
 107 112.6 86.6 130.0
 121 57.9 47.4 71.0

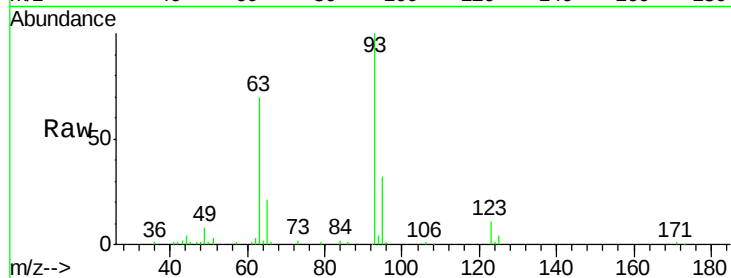




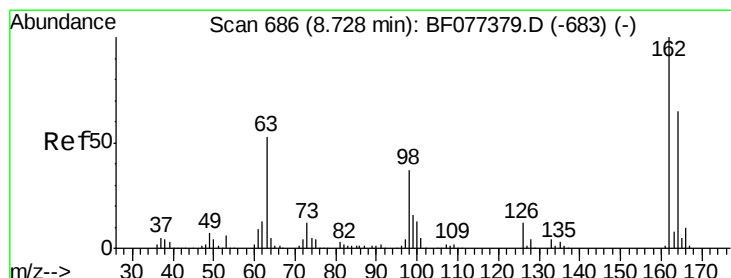
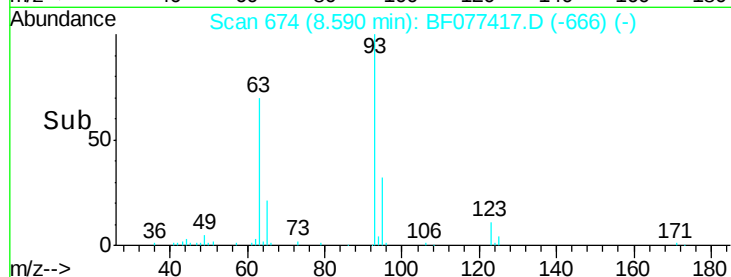
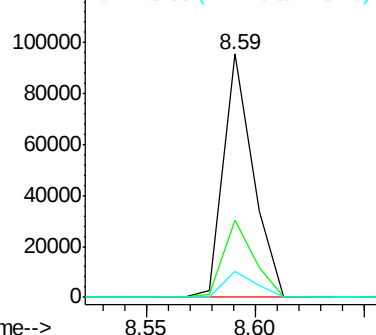
#28
 bis(2-Chloroethoxy)methane
 Concen: 22.69 ng
 RT: 8.59 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD

Tgt Ion: 93 Resp: 90575
 Ion Ratio Lower Upper
 93 100
 95 31.7 26.4 39.6
 123 10.6 8.7 13.1

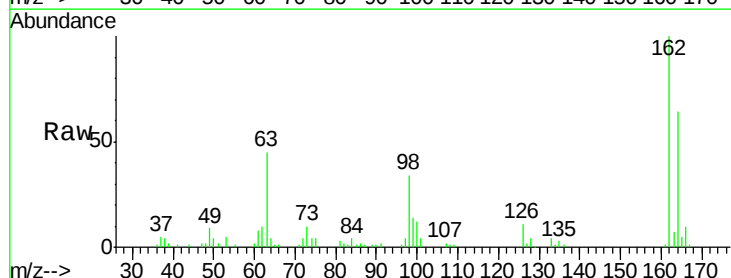


Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): BF0

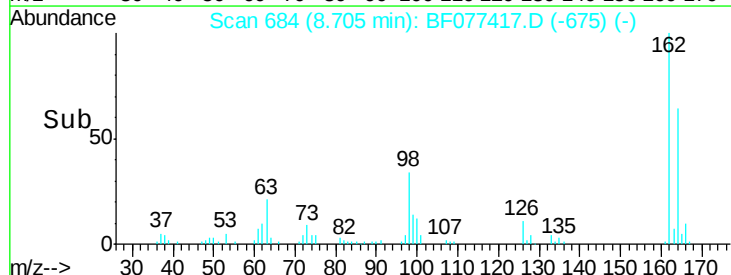
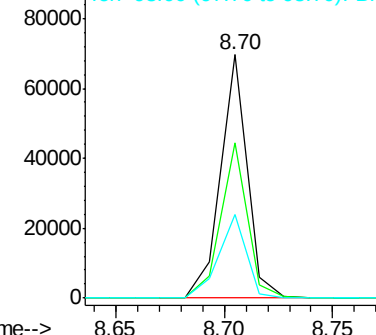


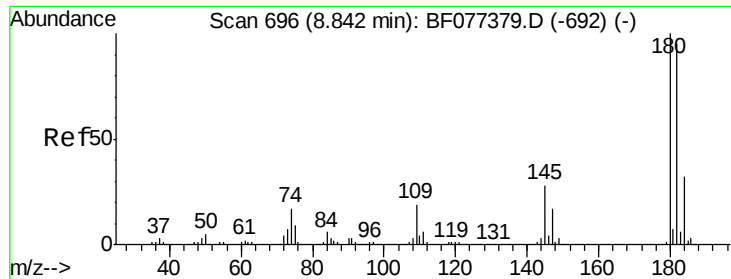
#29
 2,4-Dichlorophenol
 Concen: 20.53 ng
 RT: 8.70 min Scan# 684
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion: 162 Resp: 59215
 Ion Ratio Lower Upper
 162 100
 164 63.6 46.4 86.4
 98 34.3 6.9 46.9



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

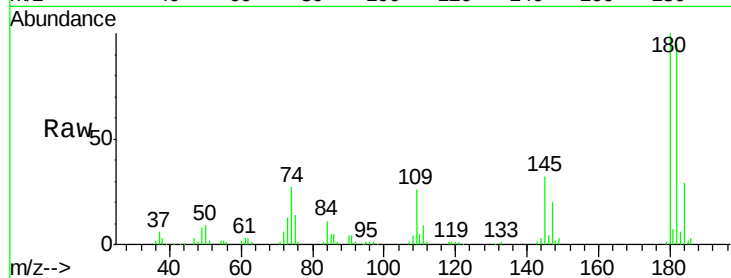




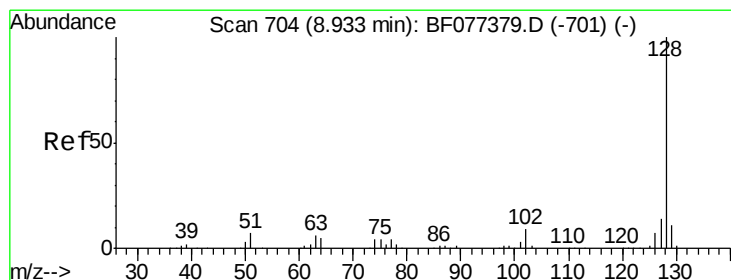
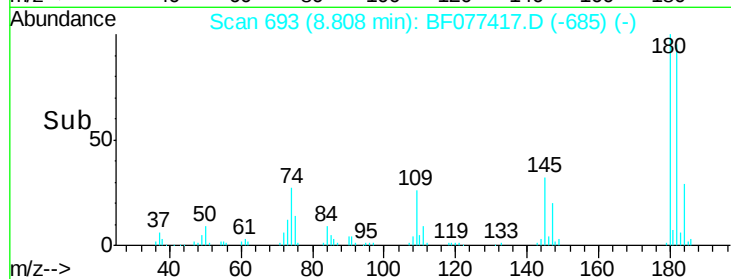
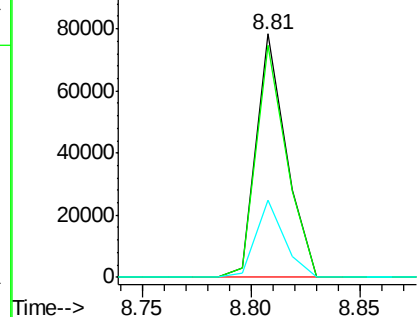
#30
 1,2,4-Trichlorobenzene
 Concen: 23.66 ng
 RT: 8.81 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD

Tgt Ion:180 Resp: 75027
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.2 114.4
 145 31.8 24.5 36.7

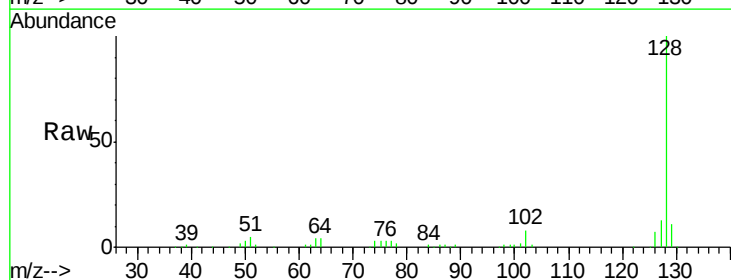


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

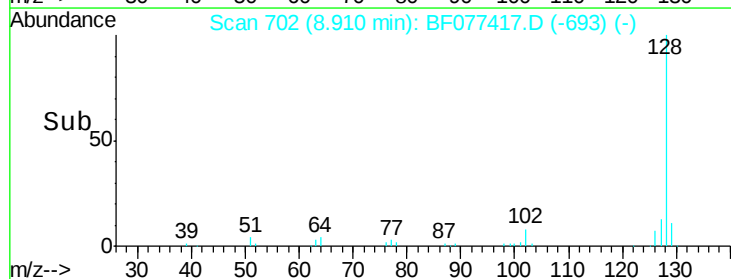
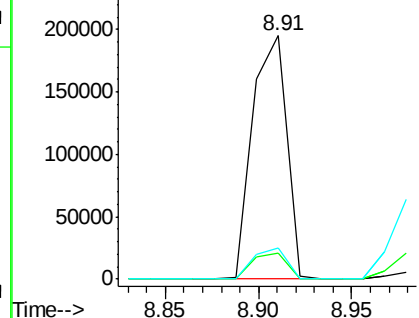


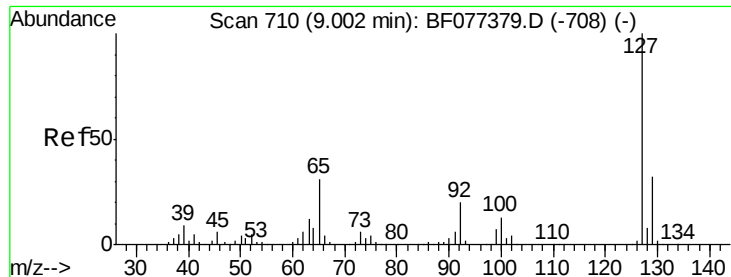
#31
 Naphthalene
 Concen: 24.90 ng
 RT: 8.91 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion:128 Resp: 246608
 Ion Ratio Lower Upper
 128 100
 129 10.5 9.4 14.0
 127 12.6 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

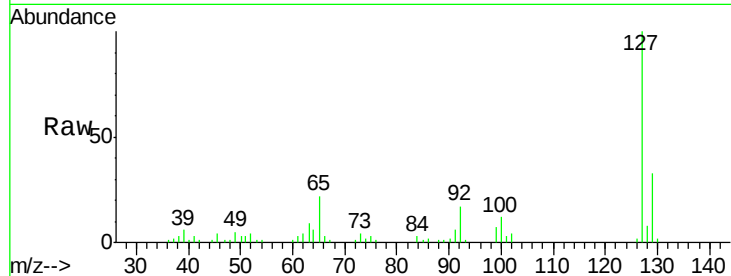




#33
4-Chloroaniline
Concen: 13.88 ng
RT: 8.98 min Scan# 708
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

Tgt Ion:	127	Resp:	61110
Ion	Ratio	Lower	Upper
127	100		
129	33.1	26.9	40.3
65	22.5	16.7	25.1
92	16.8	12.5	18.7

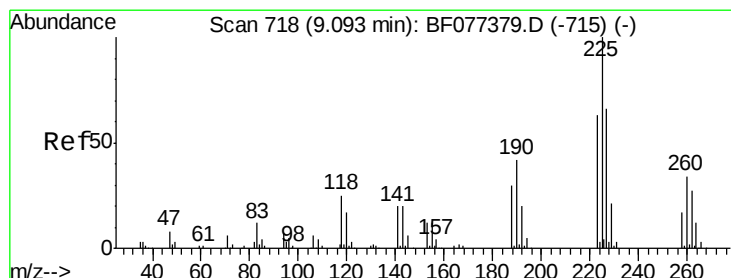
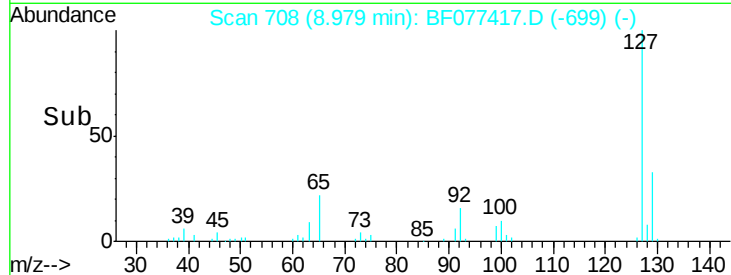
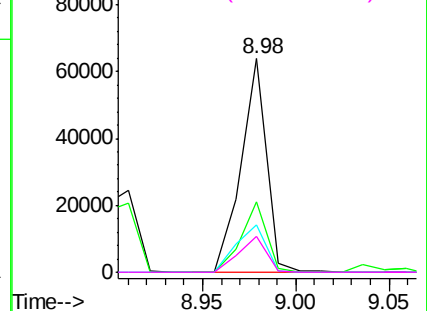


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

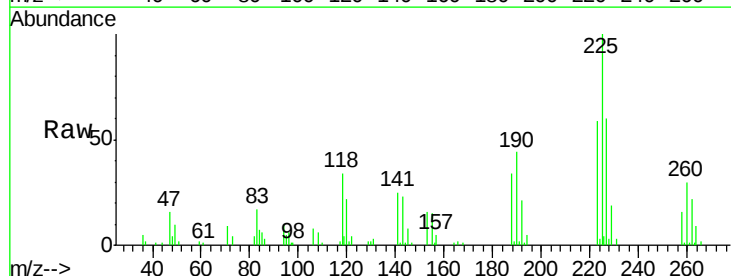
Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34
Hexachlorobutadiene
Concen: 23.80 ng
RT: 9.06 min Scan# 715
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

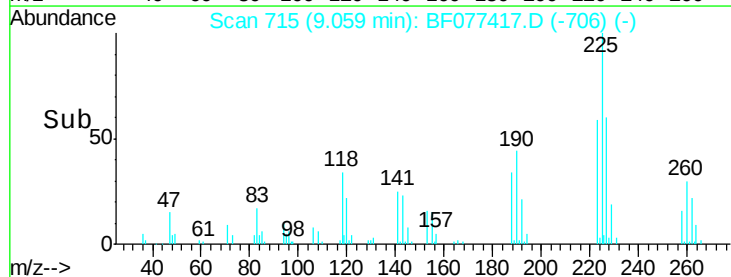
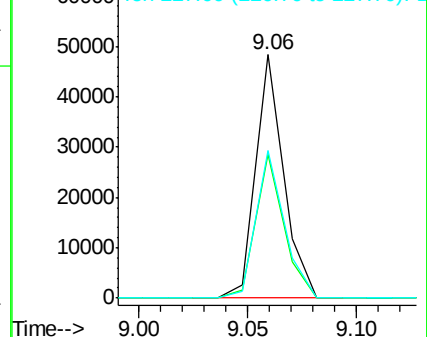
Tgt Ion:	225	Resp:	43087
Ion	Ratio	Lower	Upper
225	100		
223	59.2	49.5	74.3
227	60.4	50.5	75.7

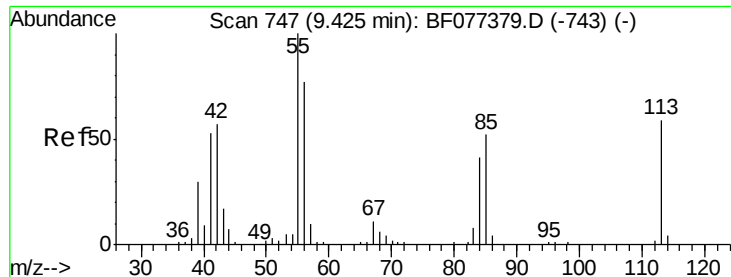


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

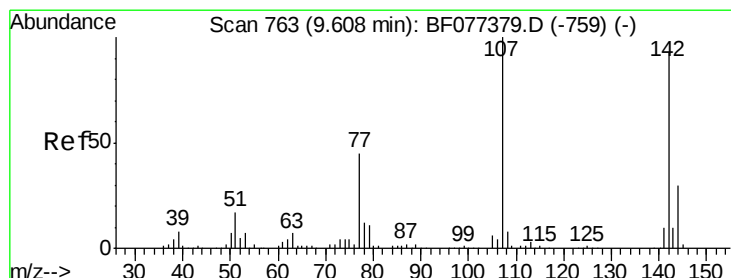
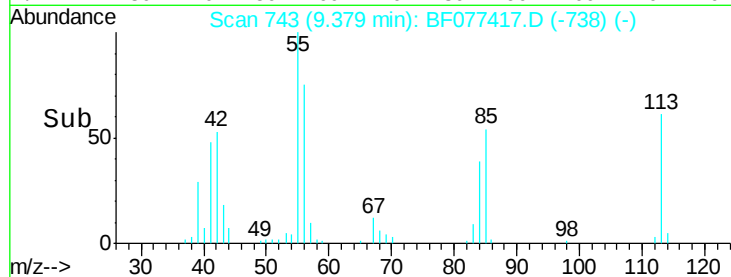
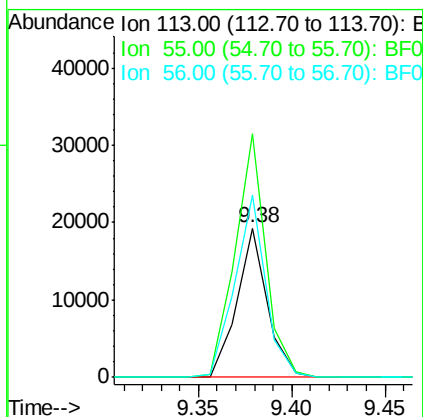
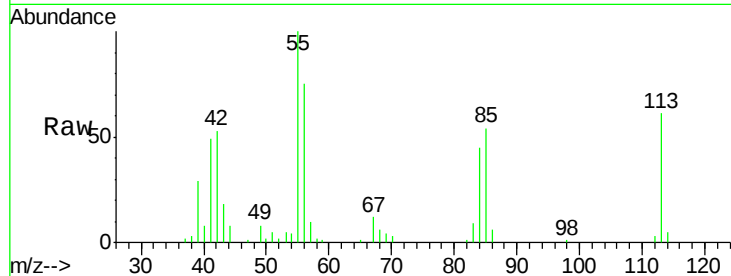




#35
 Caprolactam
 Concen: 24.82 ng
 RT: 9.38 min Scan# 743
 Delta R.T. -0.05 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

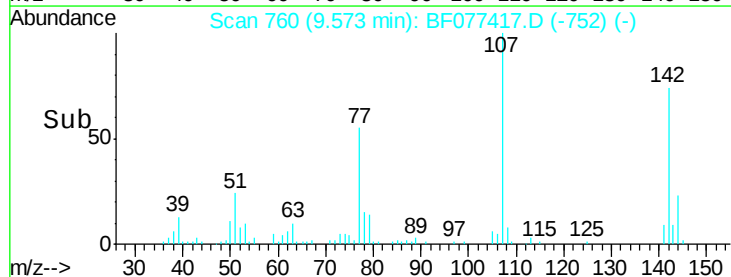
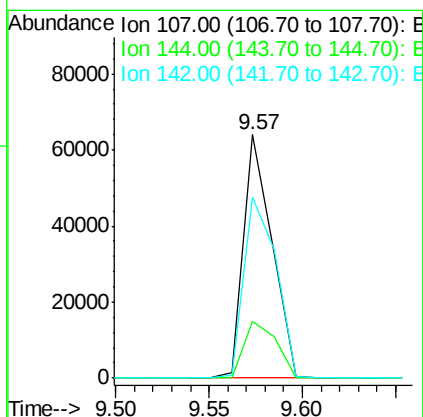
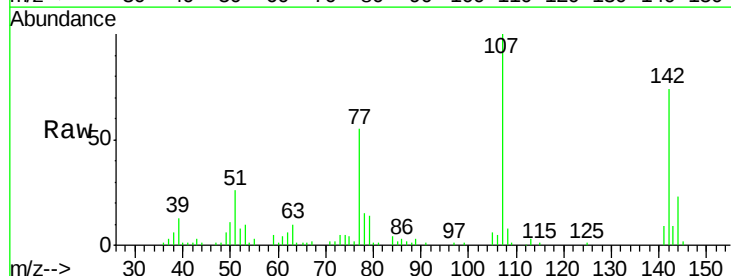
Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD

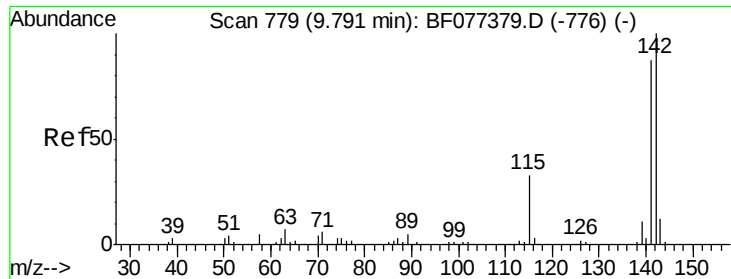
Tgt Ion:113 Resp: 21849
 Ion Ratio Lower Upper
 113 100
 55 163.1 154.6 194.6
 56 121.9 114.0 154.0



#36
 4-Chloro-3-methylphenol
 Concen: 23.40 ng
 RT: 9.57 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion:107 Resp: 67836
 Ion Ratio Lower Upper
 107 100
 144 23.4 21.1 31.7
 142 74.2 65.3 97.9

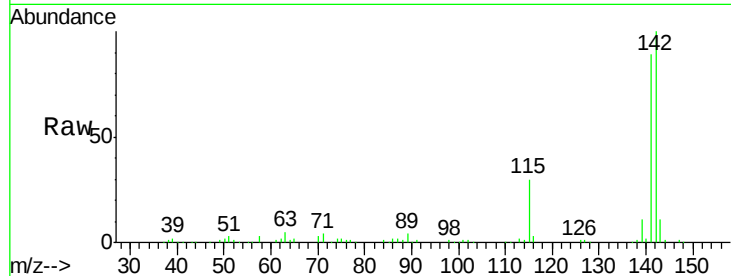




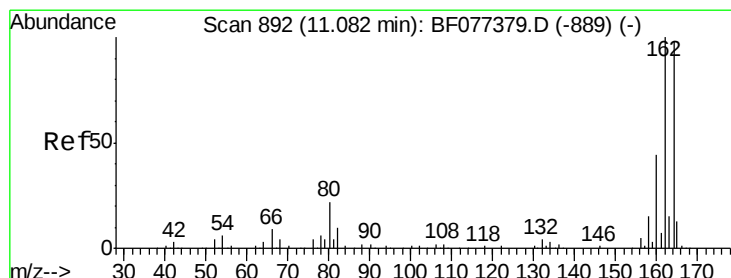
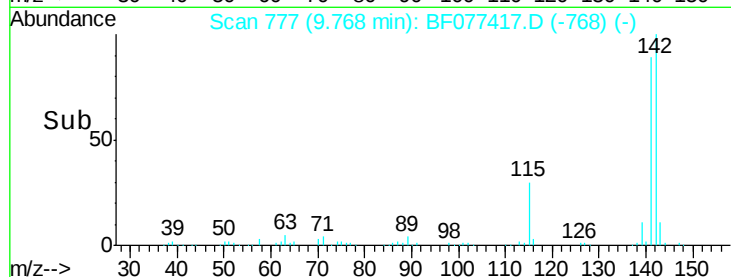
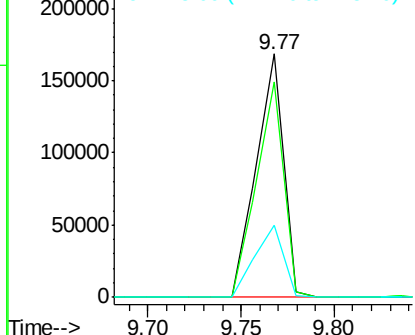
#37
 2-Methylnaphthalene
 Concen: 24.24 ng
 RT: 9.77 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMSD

Tgt Ion:142 Resp: 170468
 Ion Ratio Lower Upper
 142 100
 141 88.6 70.7 106.1
 115 29.7 24.2 36.4

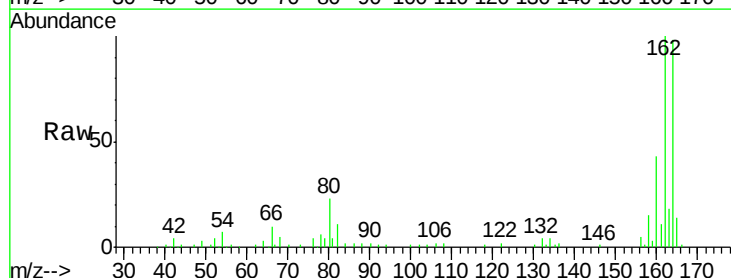


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

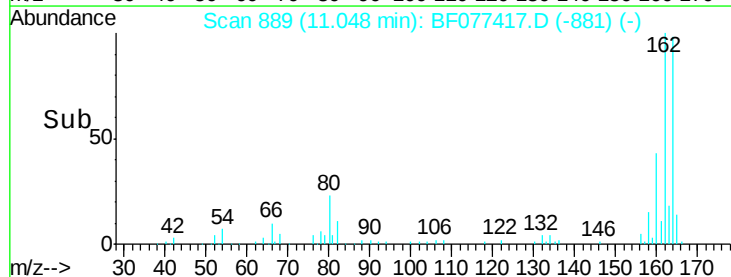
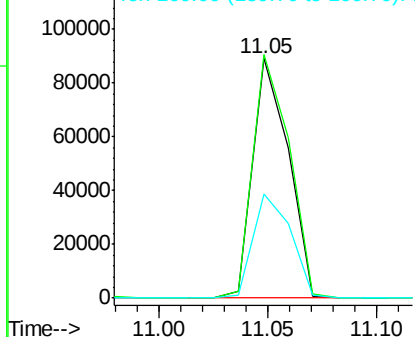


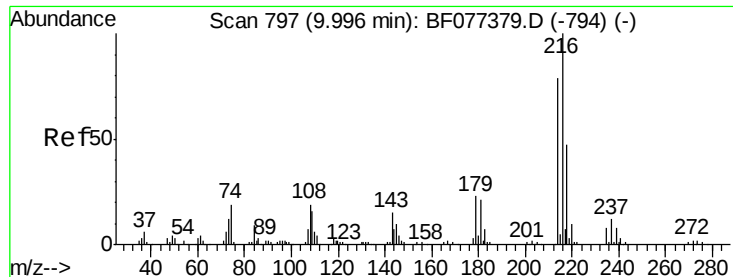
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.05 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion:164 Resp: 101603
 Ion Ratio Lower Upper
 164 100
 162 101.6 83.2 124.8
 160 43.6 34.6 52.0



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: 25.47 ng

RT: 9.97 min Scan# 795

Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMSD

Tgt Ion:216 Resp: 74253

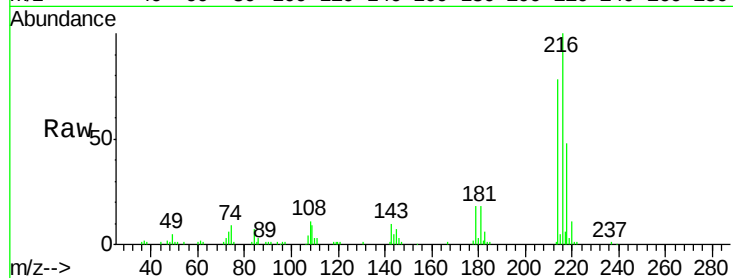
Ion Ratio Lower Upper

216 100

214 79.5 63.4 95.0

179 20.5 16.6 25.0

108 19.4 14.2 21.4

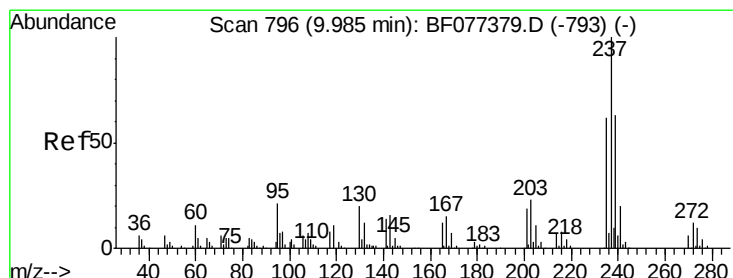
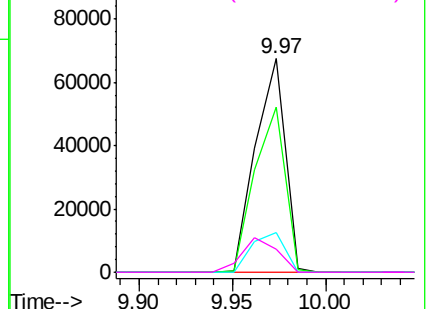
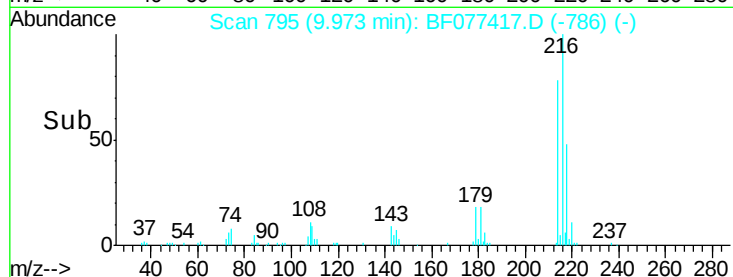


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 40.38 ng

RT: 9.96 min Scan# 794

Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

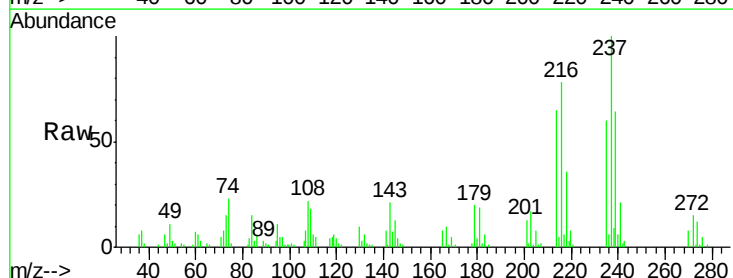
Tgt Ion:237 Resp: 63118

Ion Ratio Lower Upper

237 100

235 60.2 41.0 81.0

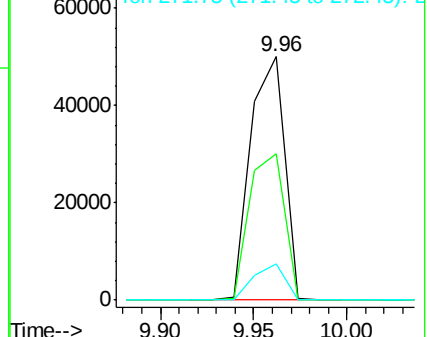
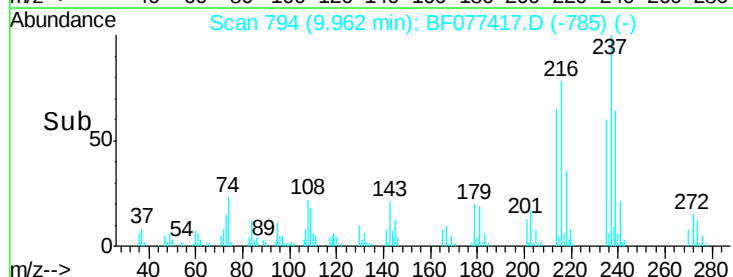
272 14.9 0.0 34.3

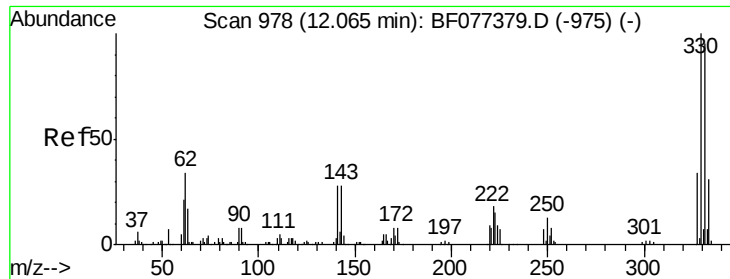


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

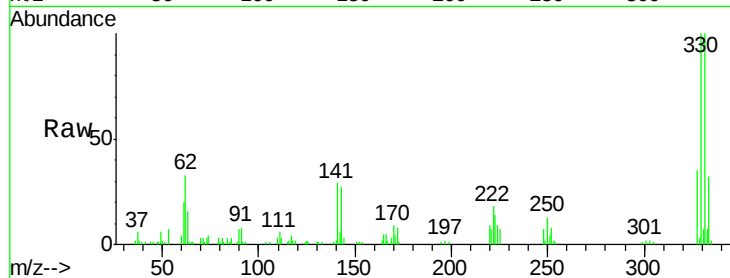




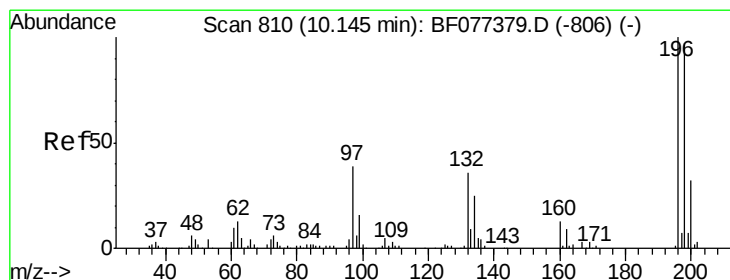
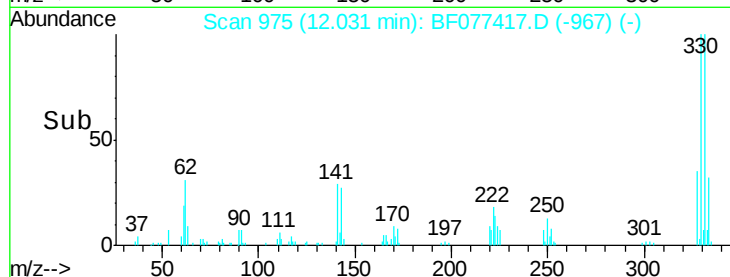
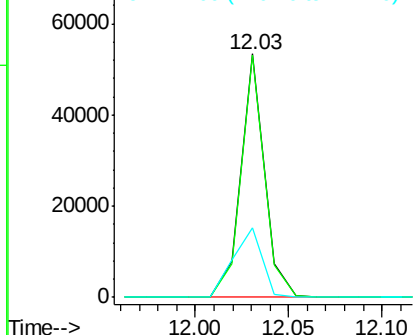
#41
 2,4,6-Tribromophenol
 Concen: 48.37 ng
 RT: 12.03 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD

Tgt Ion:330 Resp: 47318
 Ion Ratio Lower Upper
 330 100
 332 98.7 77.4 116.2
 141 35.2 28.8 43.2

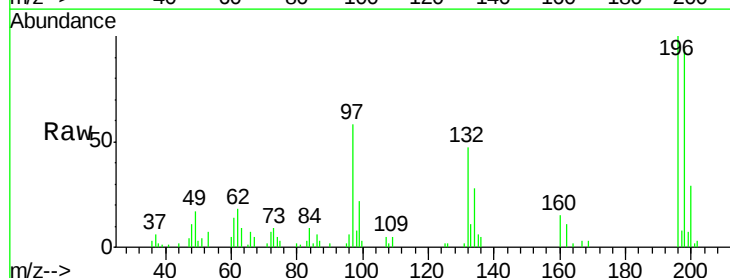


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

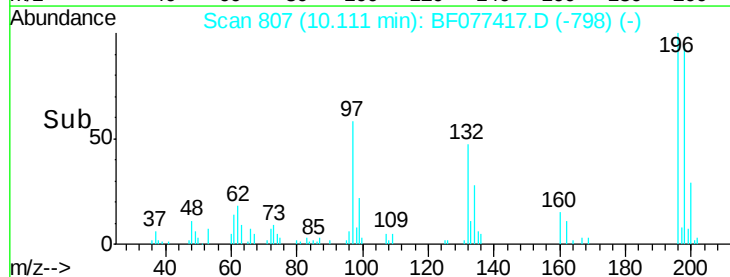
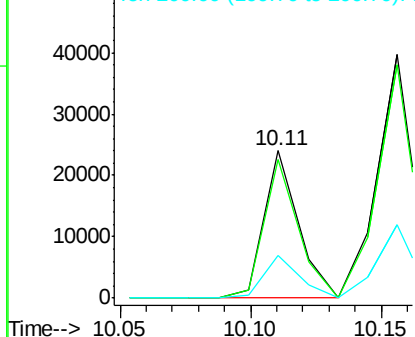


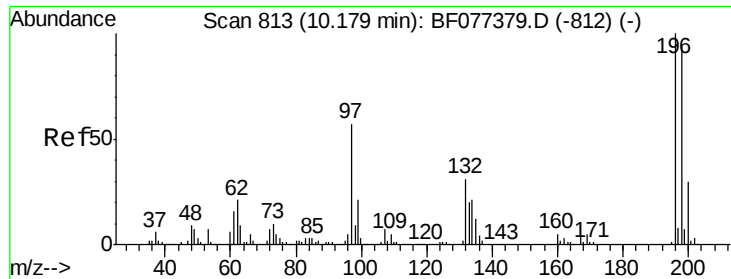
#42
 2,4,6-Trichlorophenol
 Concen: 11.25 ng
 RT: 10.11 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion:196 Resp: 21710
 Ion Ratio Lower Upper
 196 100
 198 94.0 75.8 113.8
 200 28.5 24.2 36.4



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

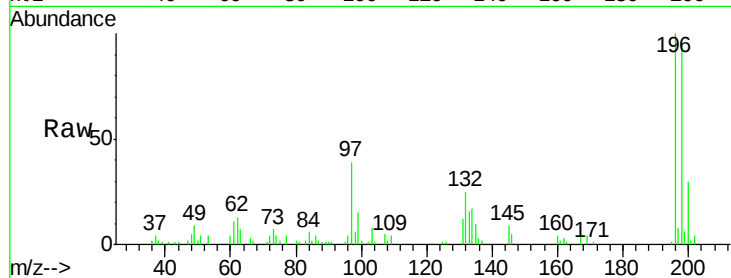




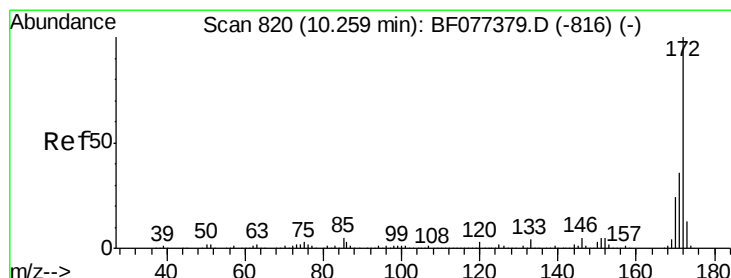
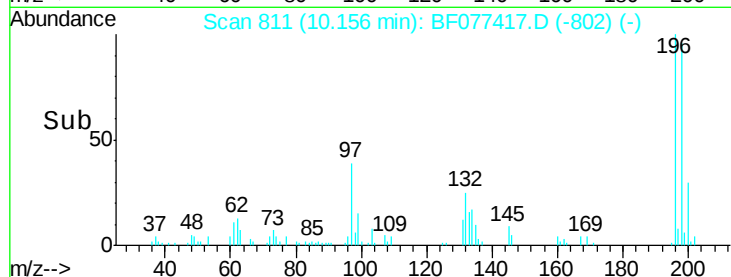
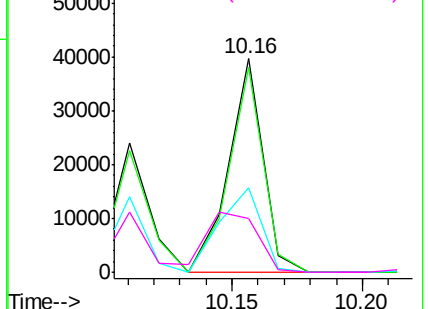
#43
2,4,5-Trichlorophenol
Concen: 17.76 ng
RT: 10.16 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

Tgt Ion:196 Resp: 36670
Ion Ratio Lower Upper
196 100
198 95.9 77.2 115.8
97 39.3 27.7 41.5
132 25.3 18.0 27.0

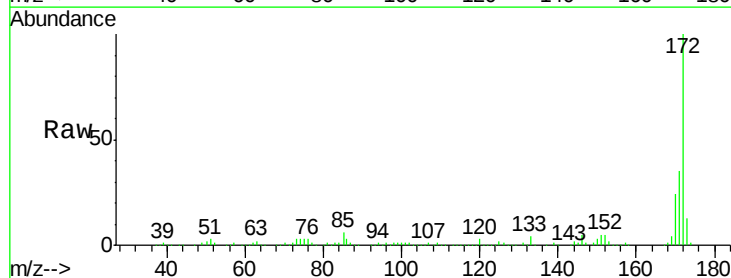


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF0
Ion 132.00 (131.70 to 132.70): E

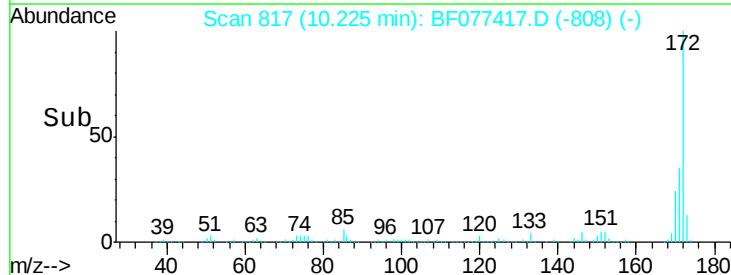
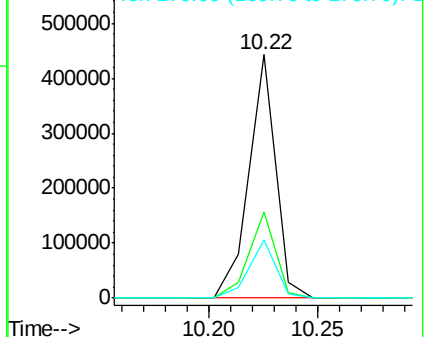


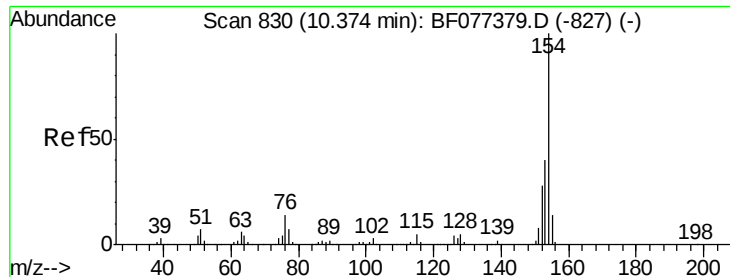
#44
2-Fluorobiphenyl
Concen: 58.11 ng
RT: 10.22 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion:172 Resp: 378640
Ion Ratio Lower Upper
172 100
171 35.2 28.9 43.3
170 23.9 19.4 29.2



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

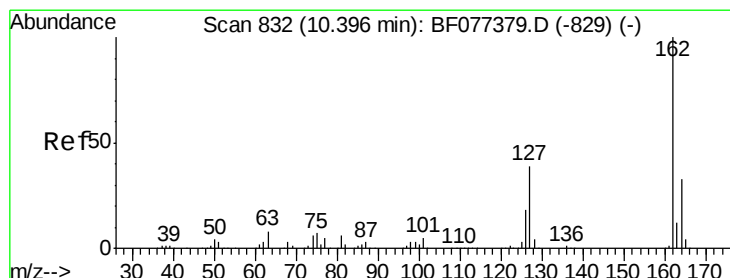
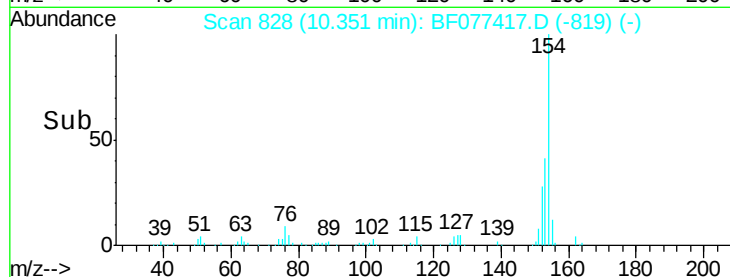
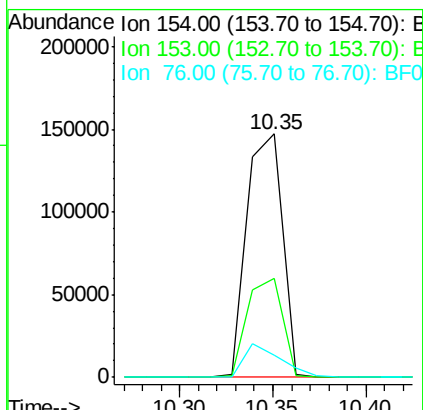
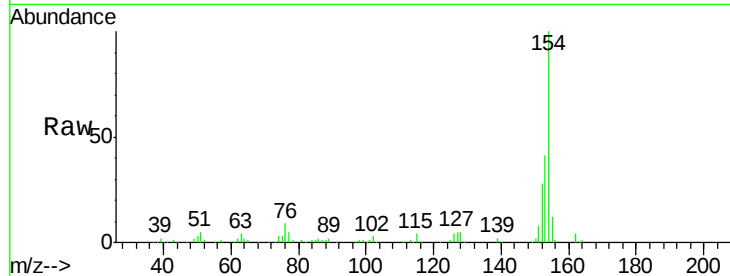




#45
 1,1'-Biphenyl
 Concen: 25.34 ng
 RT: 10.35 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

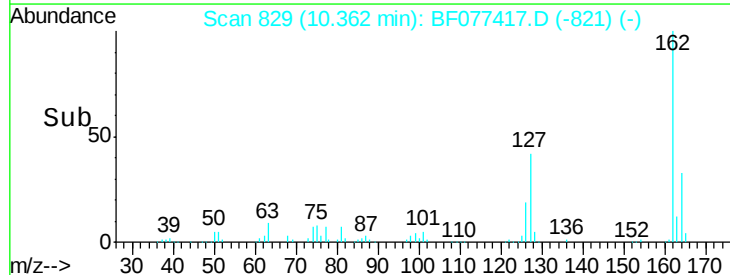
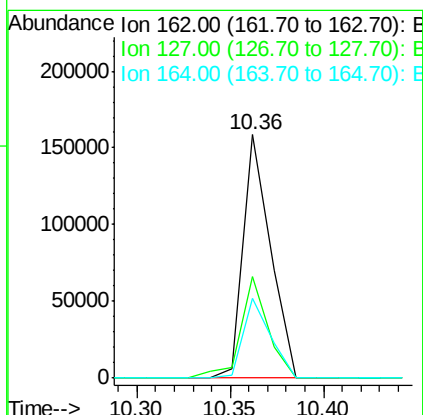
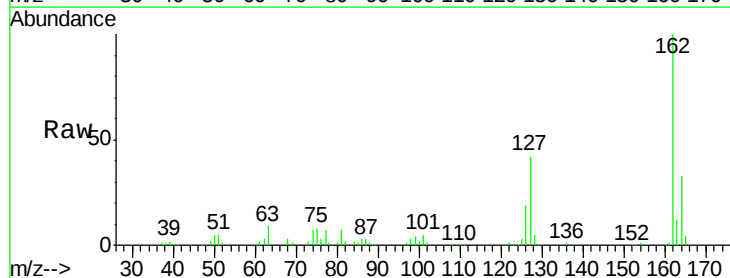
Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD

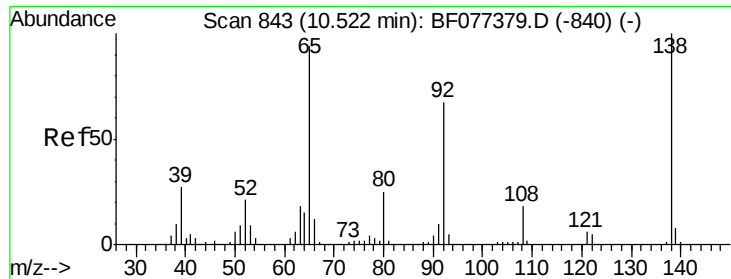
Tgt Ion:	154	Resp:	195048
Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.2	60.2
76	8.9	0.0	29.4



#46
 2-Chloronaphthalene
 Concen: 26.69 ng
 RT: 10.36 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion:	162	Resp:	161122
Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.3	49.9
164	32.8	26.2	39.4

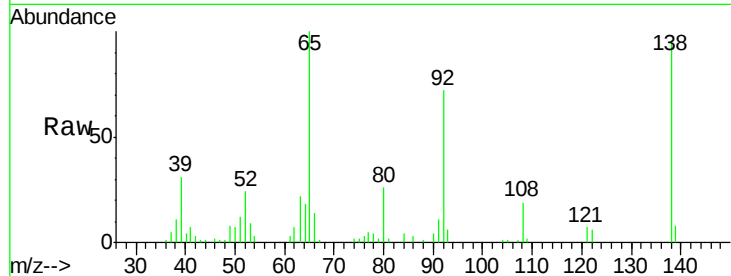




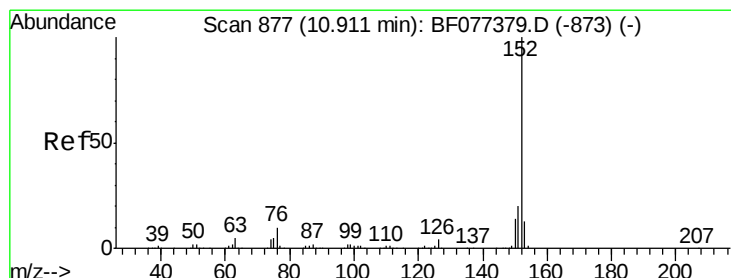
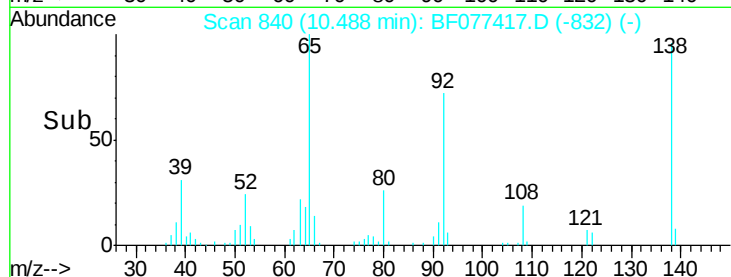
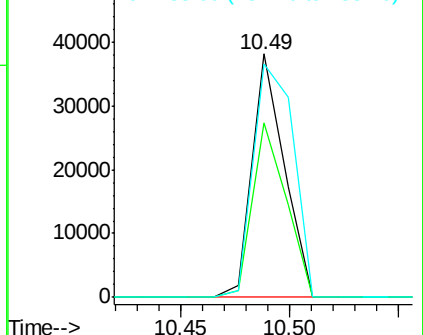
#47
2-Nitroaniline
Concen: 26.43 ng
RT: 10.49 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

Tgt Ion: 65 Resp: 39274
Ion Ratio Lower Upper
65 100
92 71.6 52.4 78.6
138 95.8 73.4 110.0

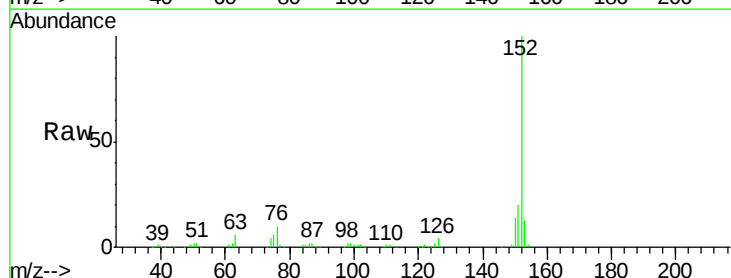


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E

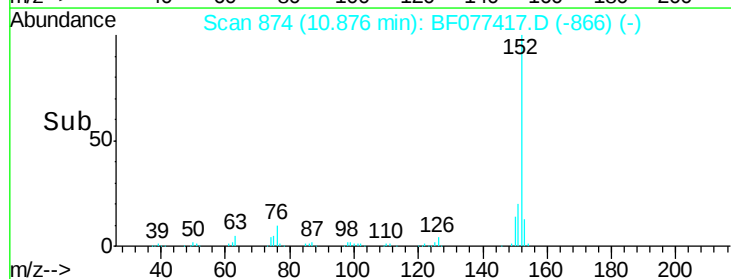
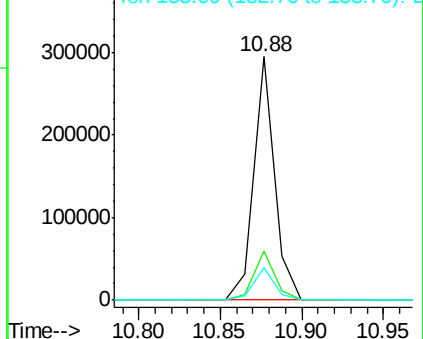


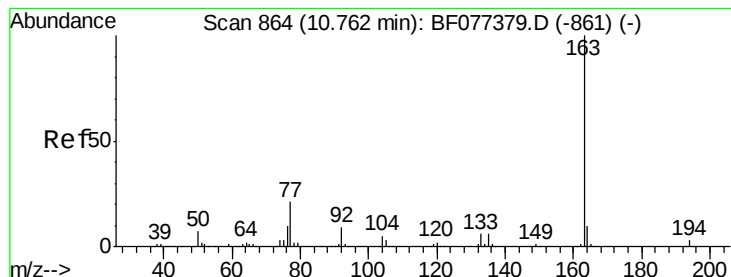
#48
Acenaphthylene
Concen: 27.35 ng
RT: 10.88 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion: 152 Resp: 261354
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.2 10.9 16.3



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





#49

Dimethylphthalate

Concen: 27.89 ng

RT: 10.73 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMSD

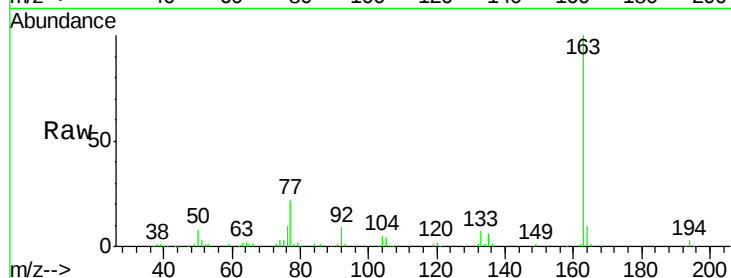
Tgt Ion:163 Resp: 199206

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

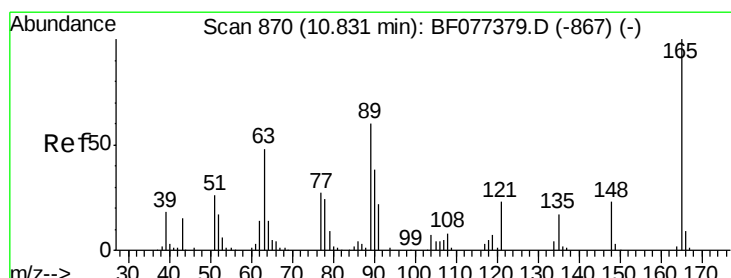
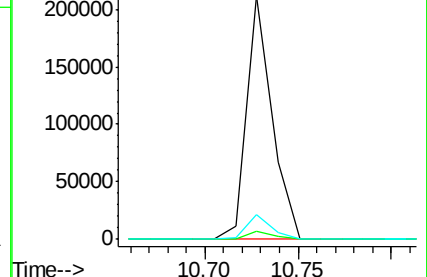
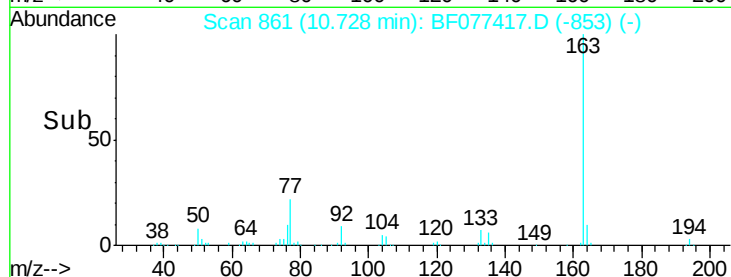
164 10.2 8.6 13.0



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: 26.82 ng

RT: 10.80 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

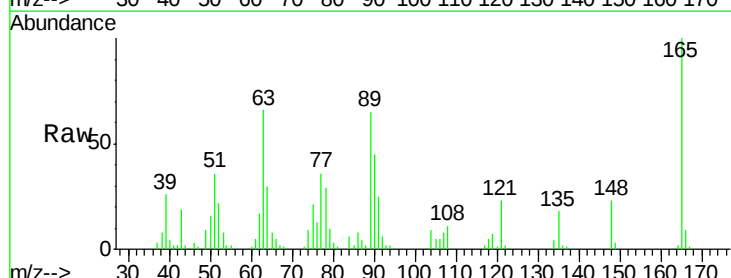
Tgt Ion:165 Resp: 38419

Ion Ratio Lower Upper

165 100

63 66.2 25.2 37.8#

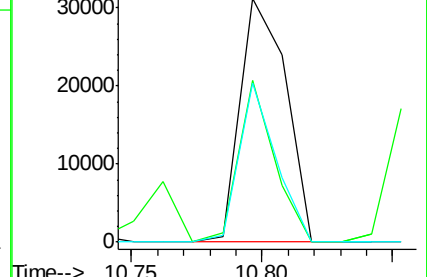
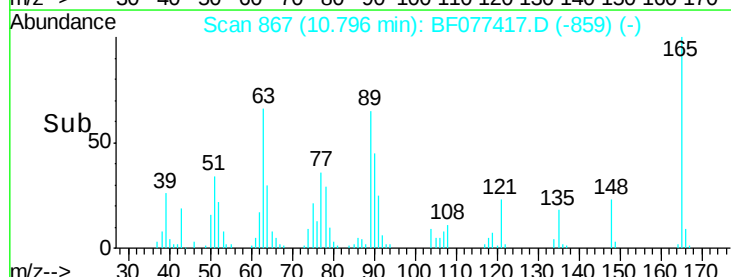
89 65.4 30.5 45.7#

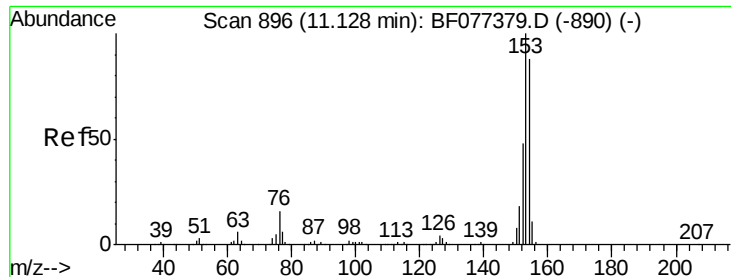


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 26.18 ng

RT: 11.09 min Scan# 893

Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGMSD

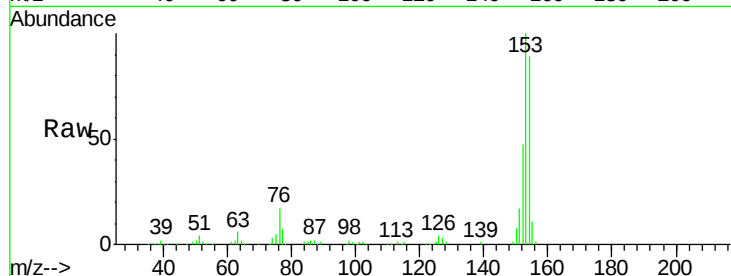
Tgt Ion:154 Resp: 149289

Ion Ratio Lower Upper

154 100

153 113.0 90.5 135.7

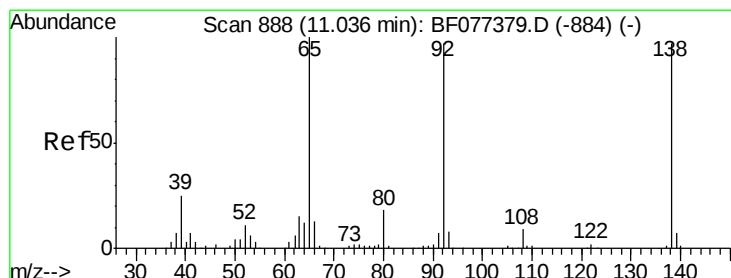
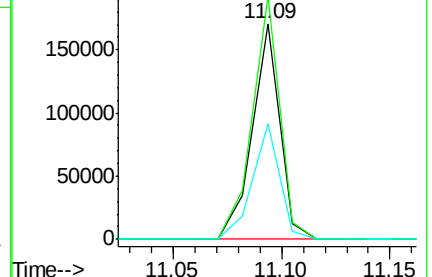
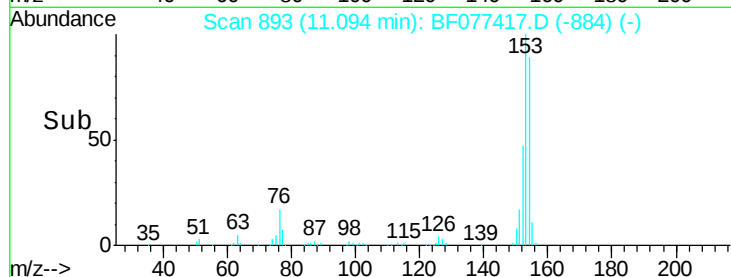
152 53.6 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 24.87 ng

RT: 11.00 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

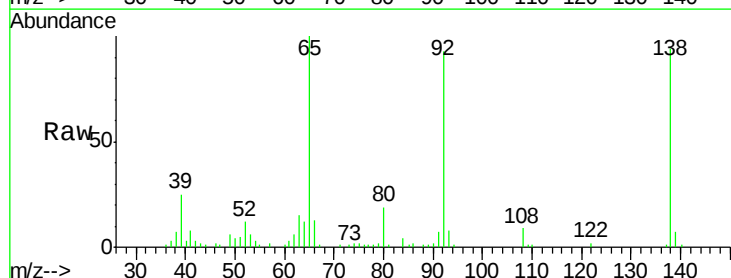
Tgt Ion:138 Resp: 41073

Ion Ratio Lower Upper

138 100

108 10.1 7.8 11.8

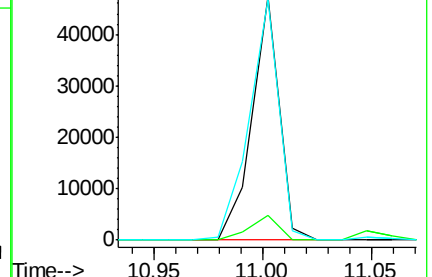
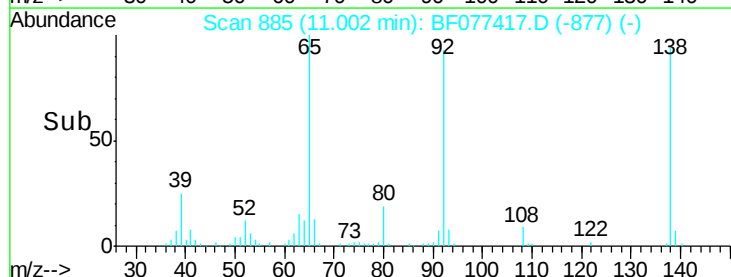
92 99.3 90.6 135.8

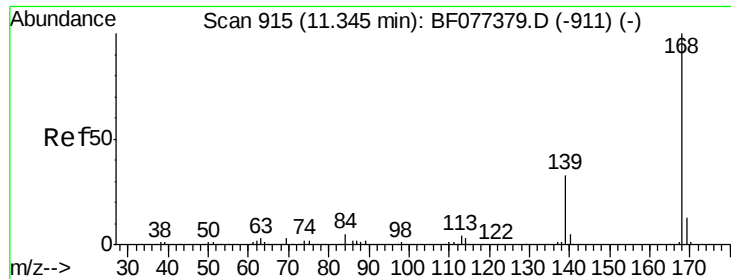


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

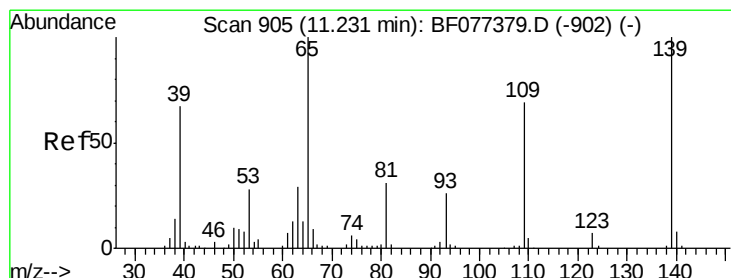
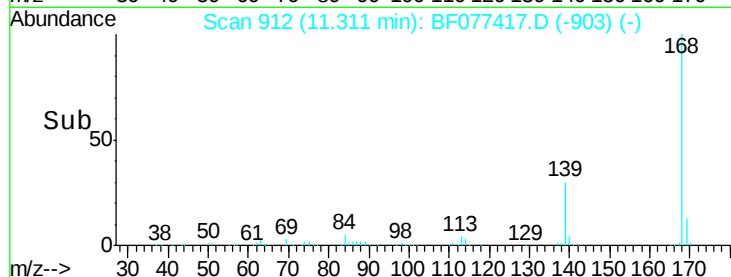
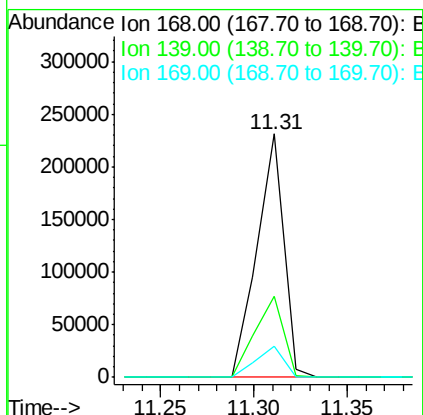
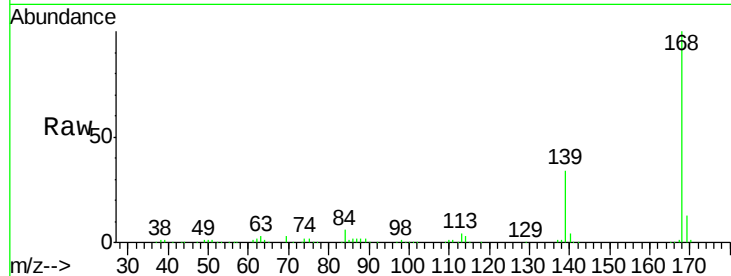




#54
 Dibenzofuran
 Concen: 26.10 ng
 RT: 11.31 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

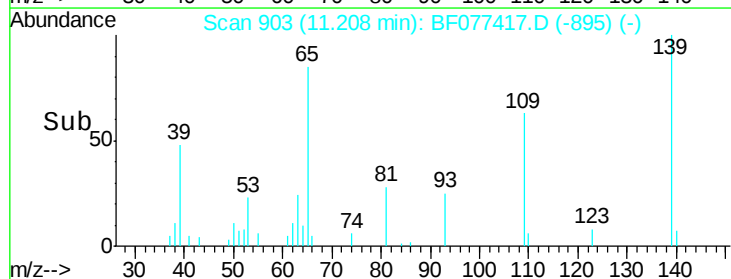
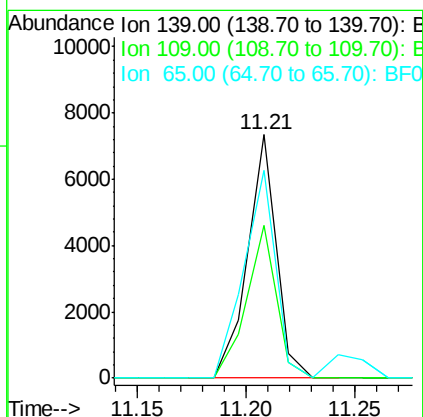
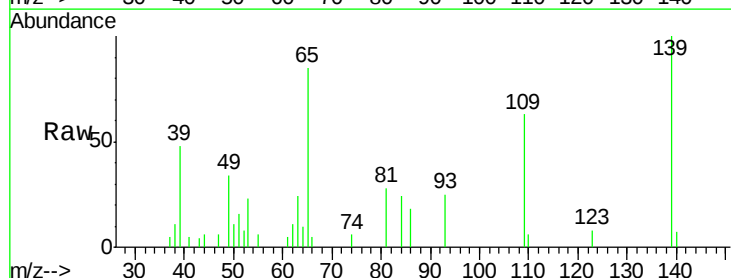
Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD

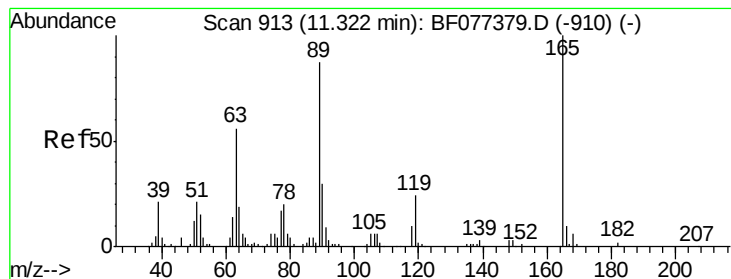
Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.5	29.3	43.9
169	12.9	10.9	16.3



#55
 4-Nitrophenol
 Concen: 5.09 ng
 RT: 11.21 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion	Ratio	Lower	Upper
139	100		
109	62.9	36.2	76.2
65	85.5	40.3	80.3





#56

2,4-Dinitrotoluene

Concen: 26.00 ng

RT: 11.30 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGMSD

Tgt Ion:165 Resp: 50326

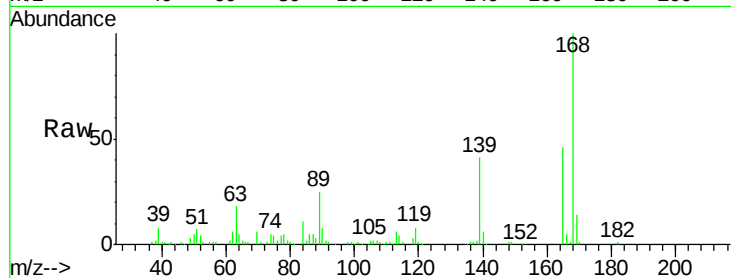
Ion Ratio Lower Upper

165 100

63 40.0 29.8 44.8

89 54.2 48.5 72.7

182 2.8 1.9 2.9

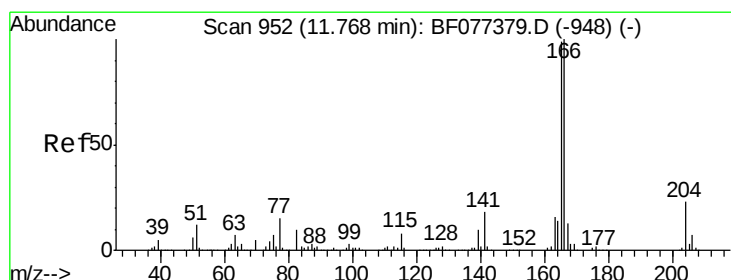
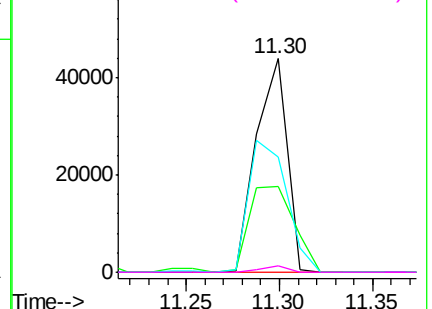
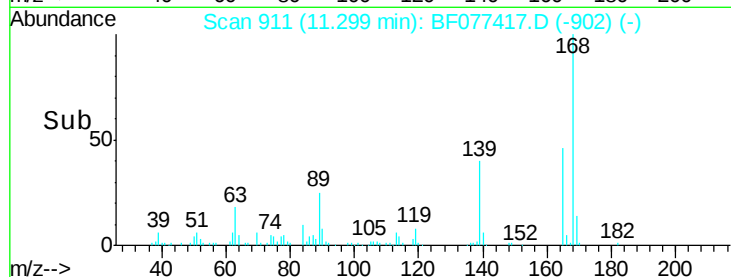


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 27.05 ng

RT: 11.73 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

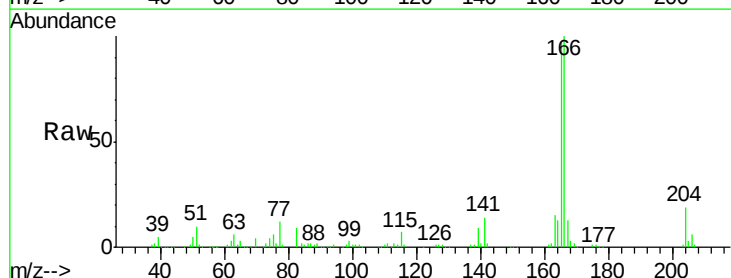
Tgt Ion:166 Resp: 190439

Ion Ratio Lower Upper

166 100

165 96.6 77.6 116.4

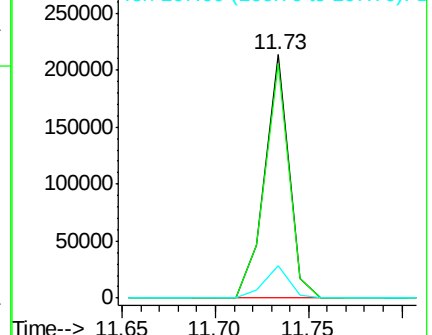
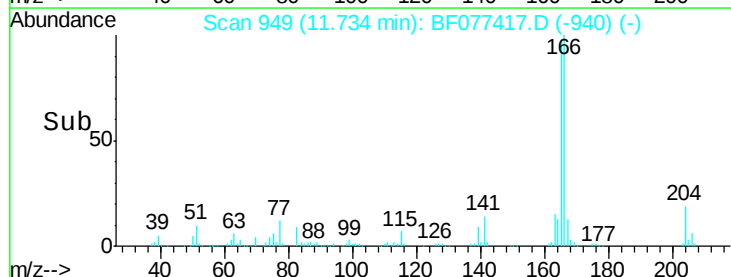
167 13.1 10.6 16.0

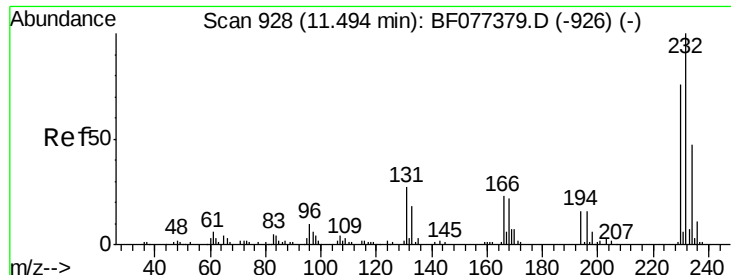


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

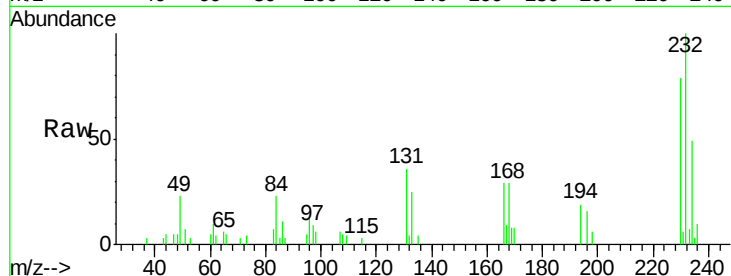




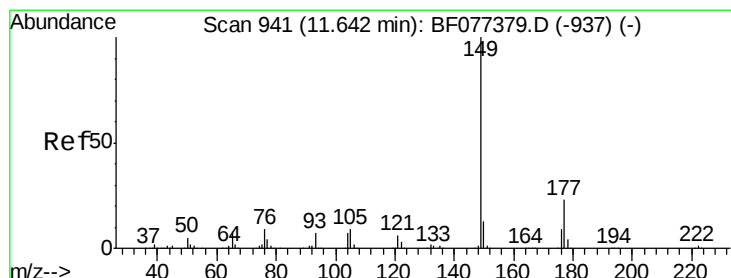
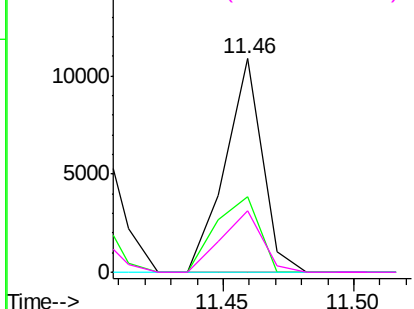
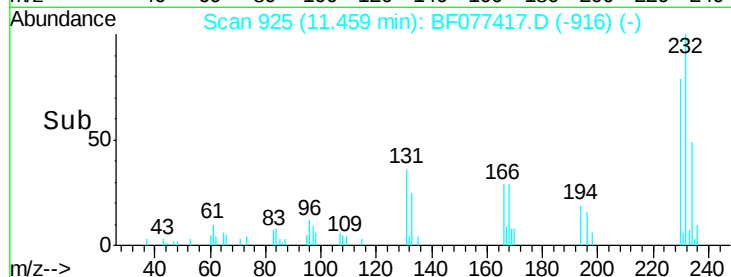
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 6.53 ng
 RT: 11.46 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMSD

Tgt Ion: 232 Resp: 10842
 Ion Ratio Lower Upper
 232 100
 131 41.4 34.2 51.2
 130 0.0 1.8 2.6#
 166 32.0 24.3 36.5

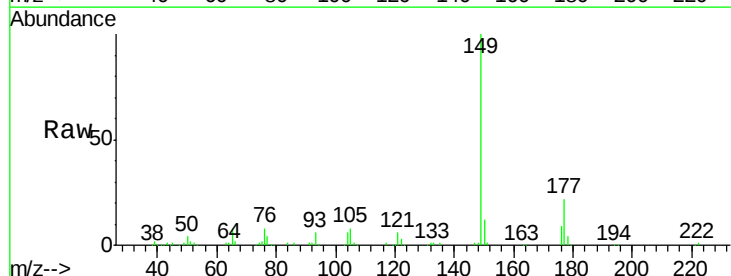


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

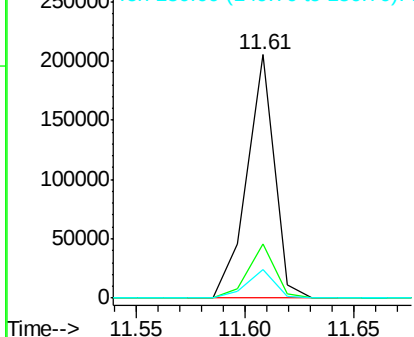
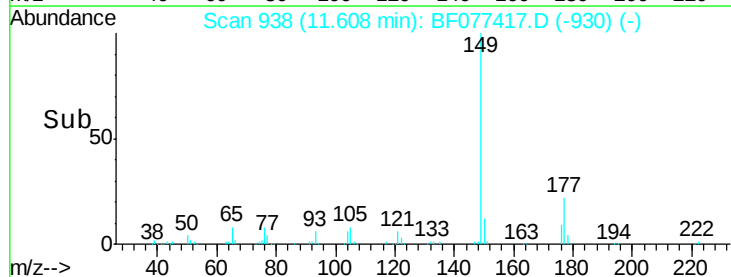


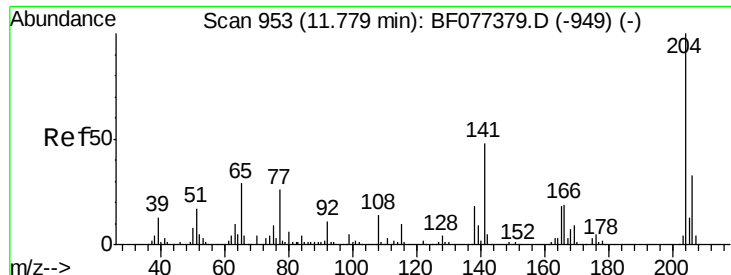
#59
 Diethylphthalate
 Concen: 25.57 ng
 RT: 11.61 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion: 149 Resp: 180005
 Ion Ratio Lower Upper
 149 100
 177 22.1 17.2 25.8
 150 11.9 10.5 15.7



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

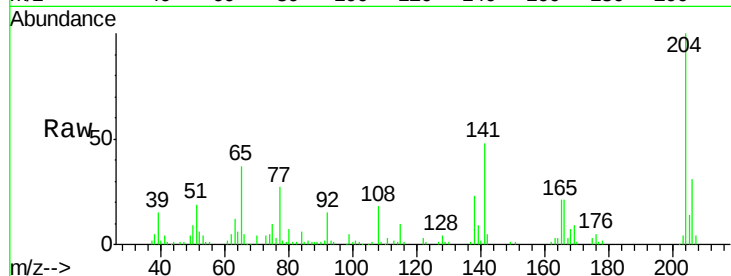




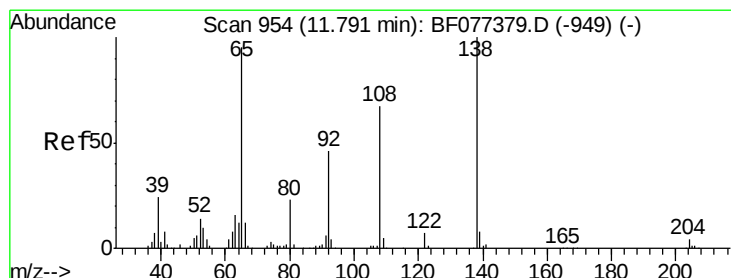
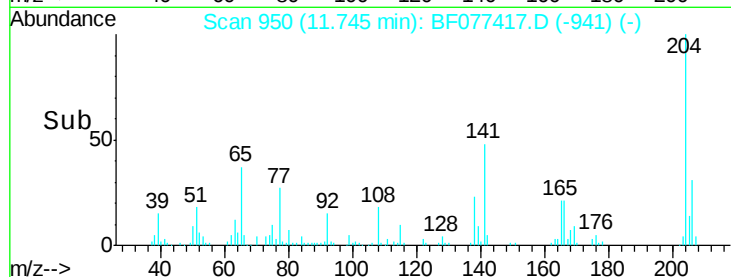
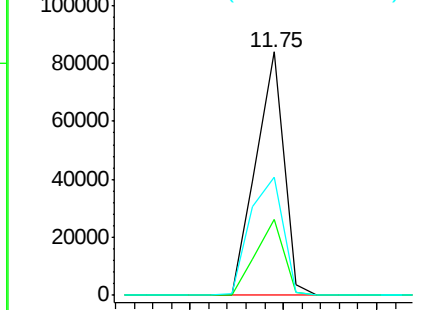
#60
 4-Chlorophenyl-phenylether
 Concen: 25.74 ng
 RT: 11.75 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMSD

Tgt Ion: 204 Resp: 87296
 Ion Ratio Lower Upper
 204 100
 206 31.4 25.9 38.9
 141 48.3 43.6 65.4

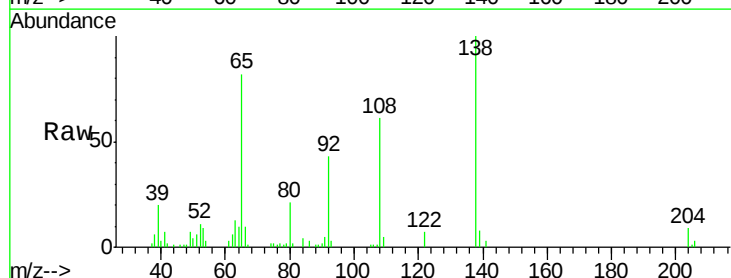


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

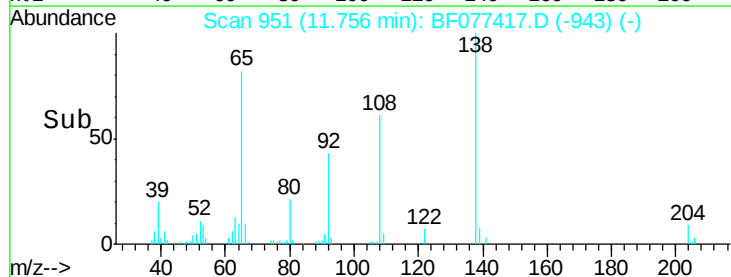
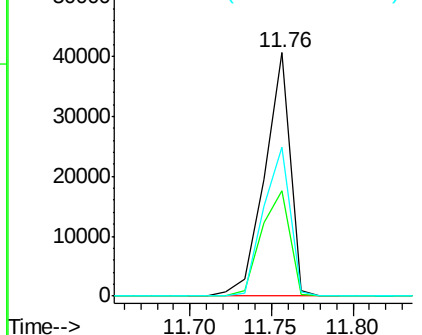


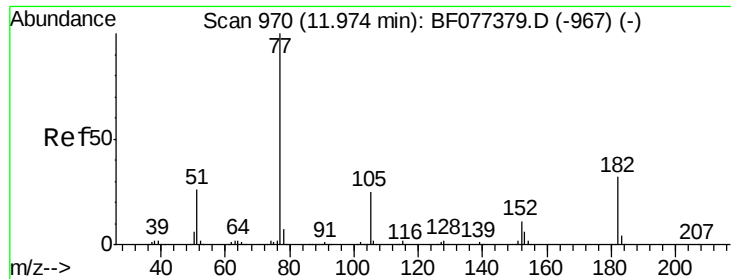
#61
 4-Nitroaniline
 Concen: 28.00 ng
 RT: 11.76 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion: 138 Resp: 44321
 Ion Ratio Lower Upper
 138 100
 92 43.4 32.8 72.8
 108 61.2 52.1 92.1



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

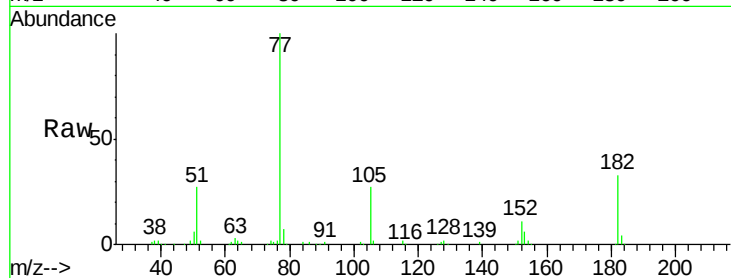




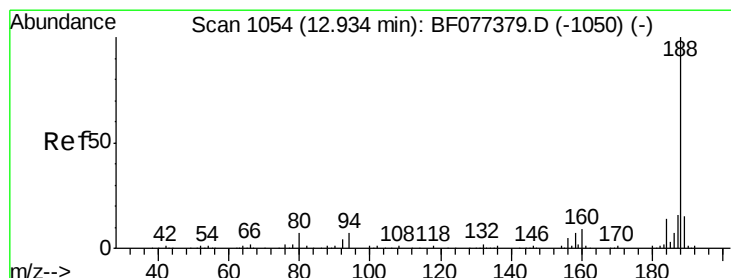
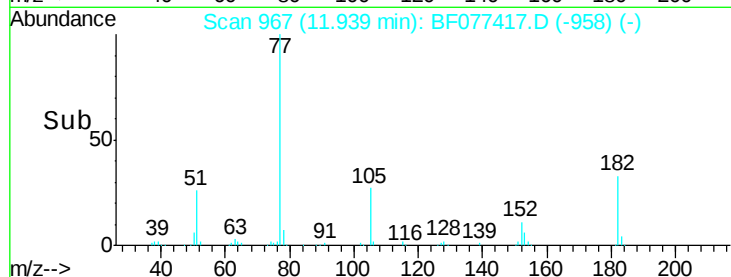
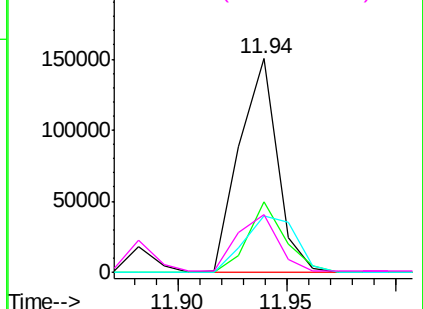
#62
Azobenzene
Concen: 27.41 ng
RT: 11.94 min Scan# 967
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

Tgt Ion:	77	Resp:	183077
Ion	Ratio	Lower	Upper
77	100		
182	32.7	4.9	44.9
105	26.6	3.3	43.3
51	26.8	8.9	48.9

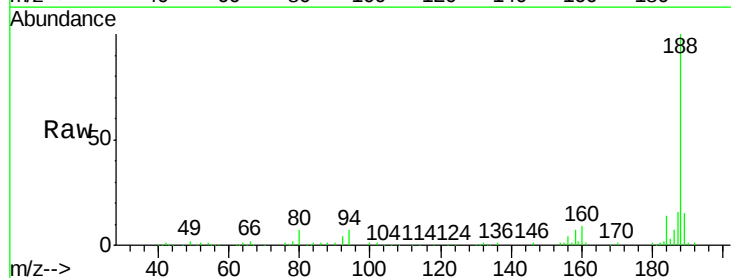


Abundance Ion 77.00 (76.70 to 77.70): BF0

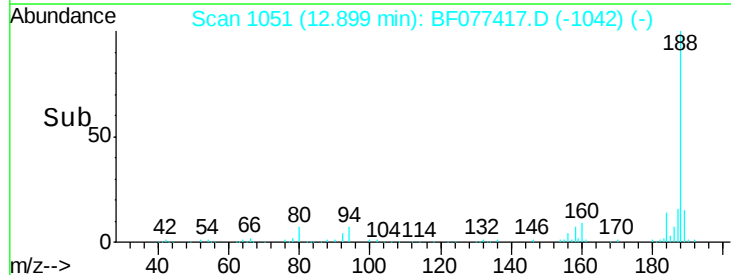
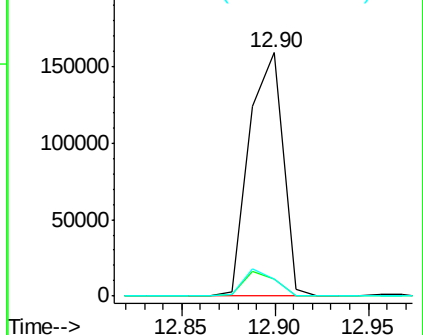


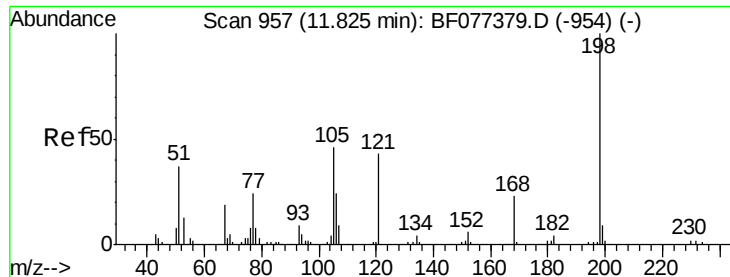
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion:	188	Resp:	199837
Ion	Ratio	Lower	Upper
188	100		
94	6.8	7.4	11.2#
80	7.2	8.0	12.0#



Abundance Ion 188.00 (187.70 to 188.70): E

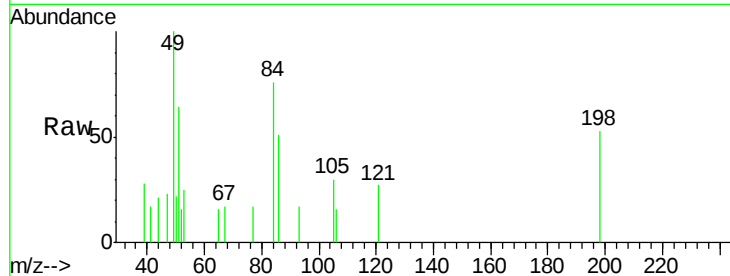




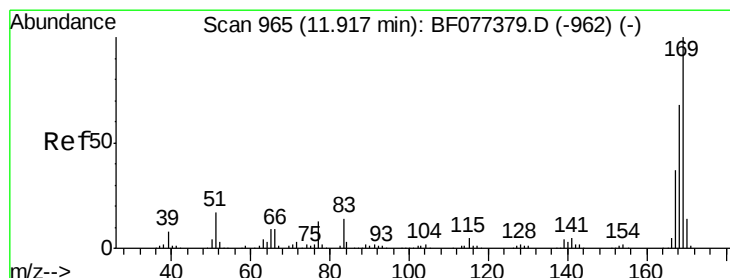
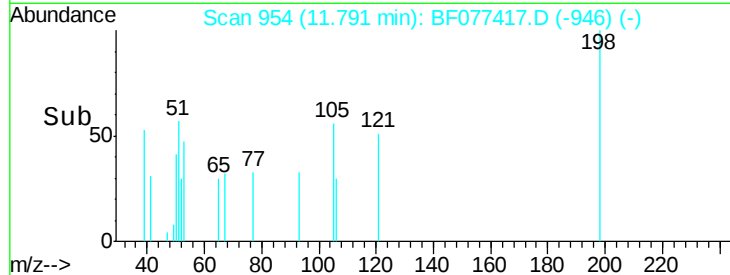
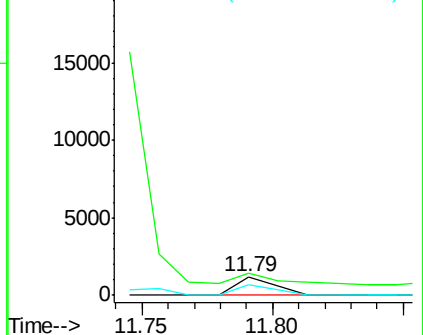
#64
4,6-Dinitro-2-methylphenol
Concen: 5.16 ng
RT: 11.79 min Scan# 954
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

Tgt Ion:198 Resp: 1252
Ion Ratio Lower Upper
198 100
51 120.0 2.7 42.7#
105 56.4 10.0 50.0#



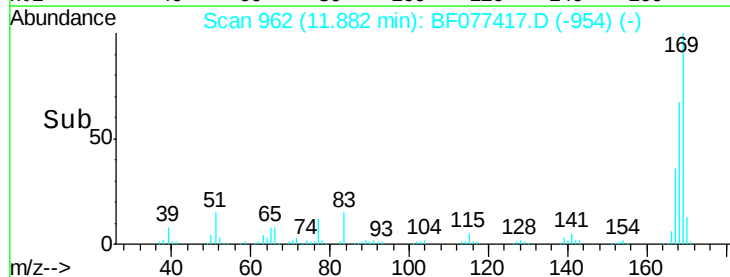
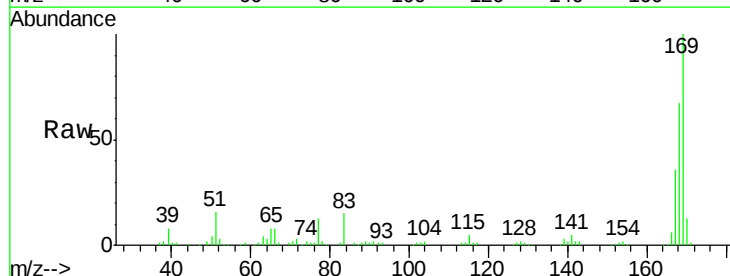
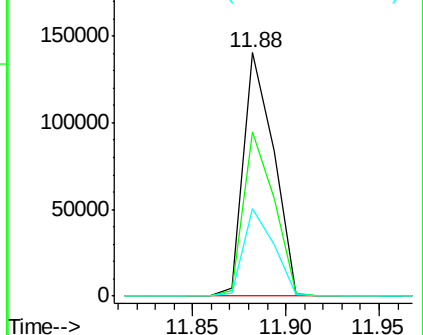
Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

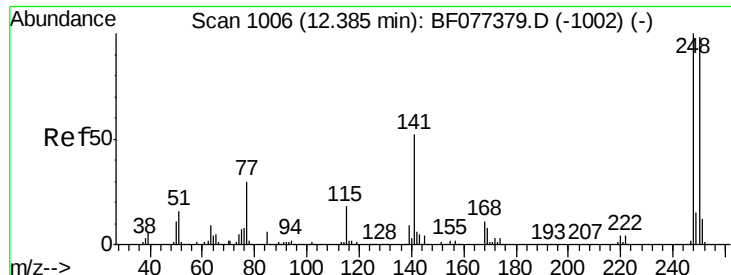


#65
n-Nitrosodiphenylamine
Concen: 23.76 ng
RT: 11.88 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion:169 Resp: 157546
Ion Ratio Lower Upper
169 100
168 67.3 53.0 79.6
167 35.8 29.5 44.3

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

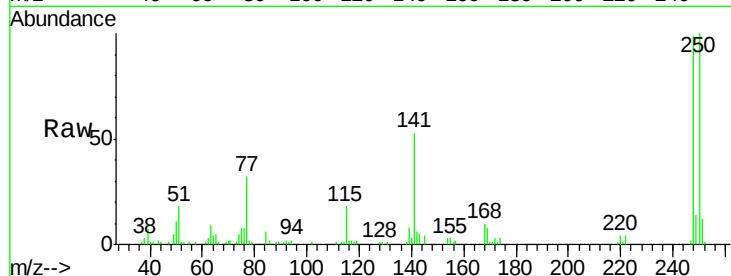




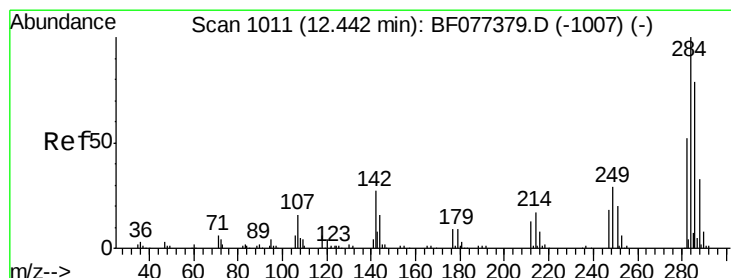
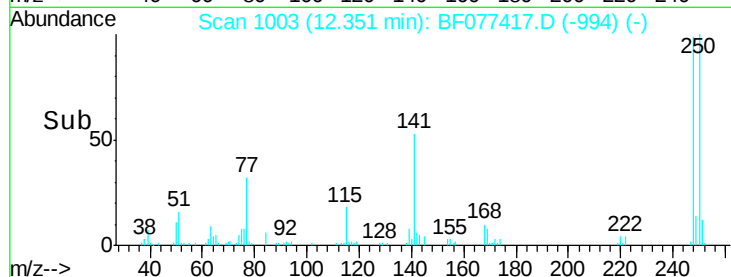
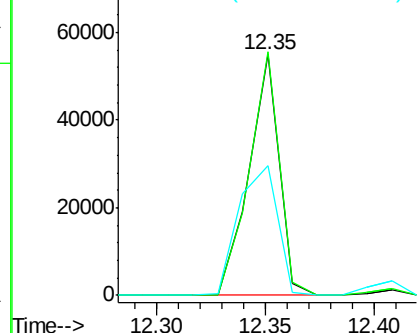
#66
 4-Bromophenyl-phenylether
 Concen: 22.51 ng
 RT: 12.35 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD

Tgt Ion:248 Resp: 52682
 Ion Ratio Lower Upper
 248 100
 250 101.2 78.0 117.0
 141 53.6 54.1 81.1#

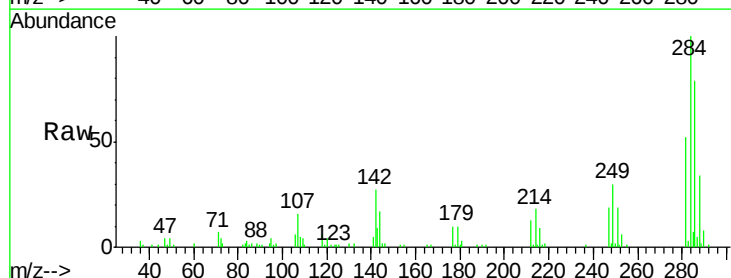


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

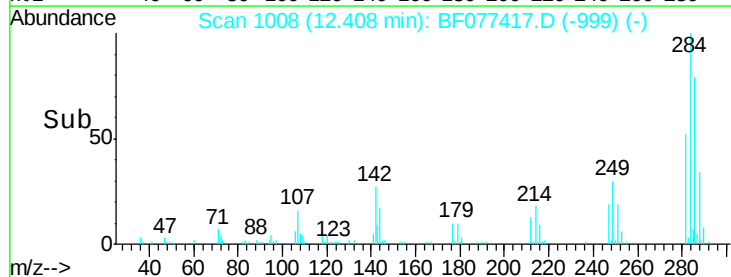
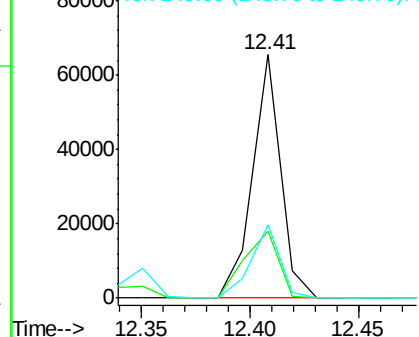


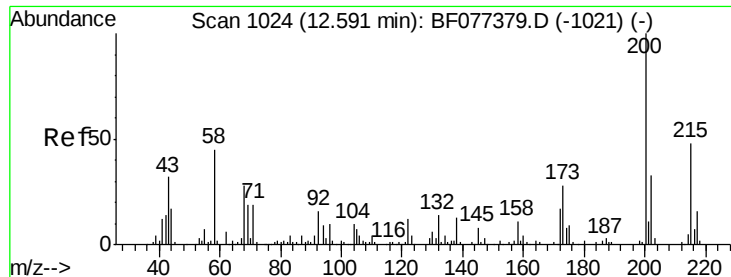
#67
 Hexachlorobenzene
 Concen: 23.36 ng
 RT: 12.41 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion:284 Resp: 58679
 Ion Ratio Lower Upper
 284 100
 142 27.3 31.6 47.4#
 249 30.0 27.0 40.4



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

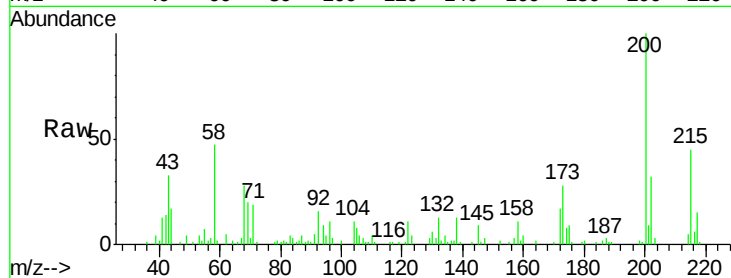




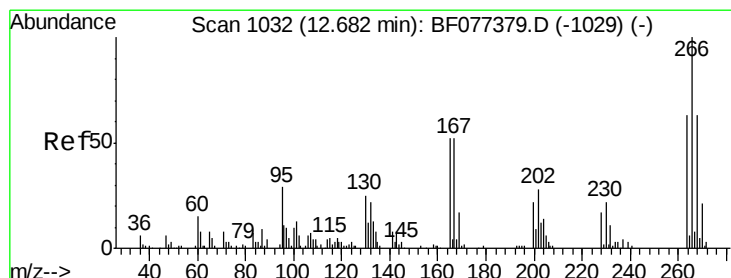
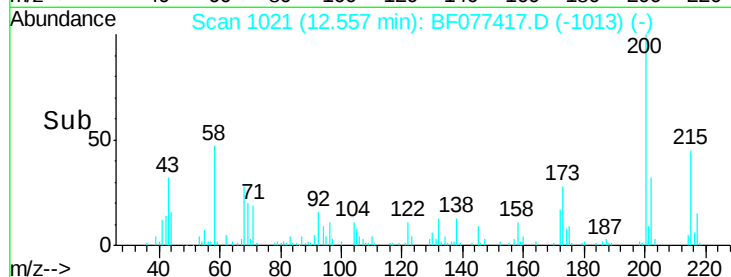
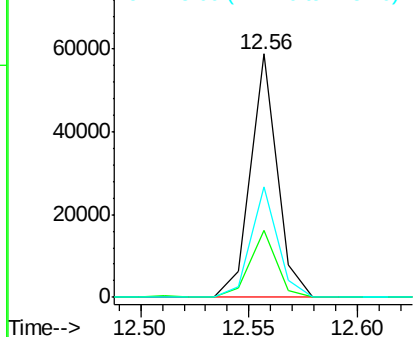
#68
 Atrazine
 Concen: 23.22 ng
 RT: 12.56 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD

Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.7	9.6	49.6
215	45.3	24.4	64.4

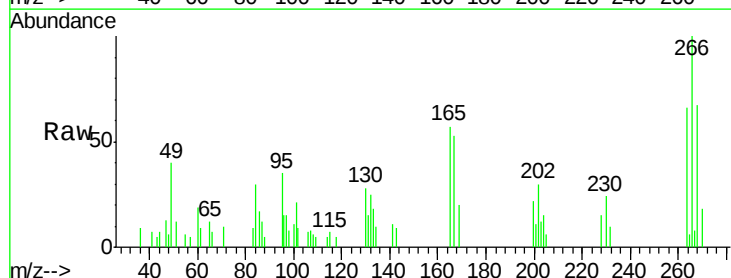


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

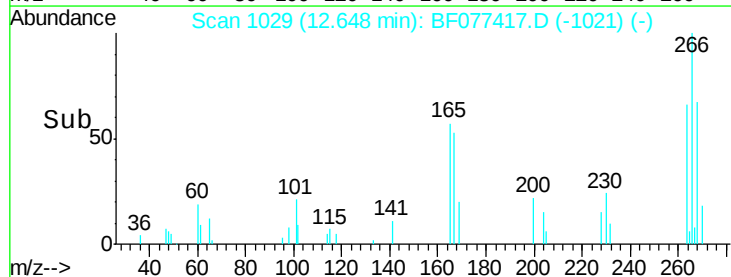
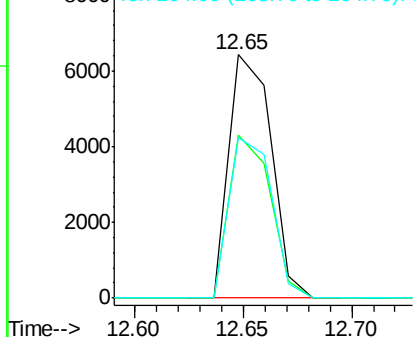


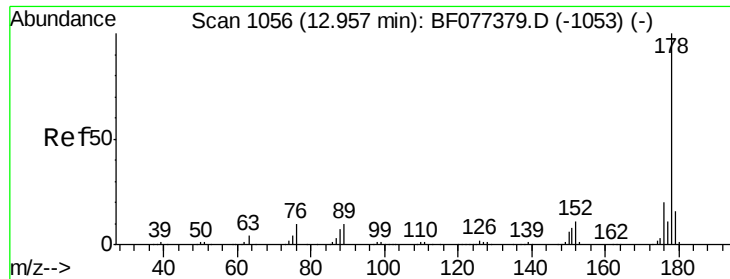
#69
 Pentachlorophenol
 Concen: 6.57 ng
 RT: 12.65 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.1	51.2	76.8
264	65.8	50.7	76.1



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: 24.17 ng

RT: 12.92 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMSD

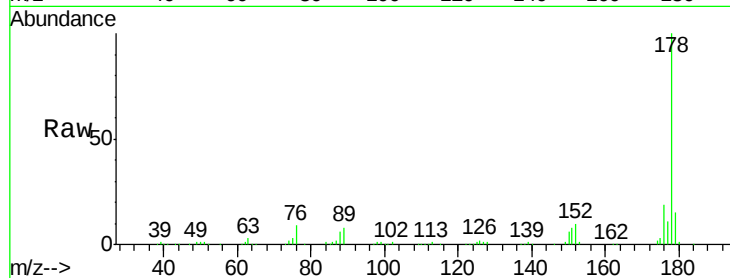
Tgt Ion:178 Resp: 279923

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

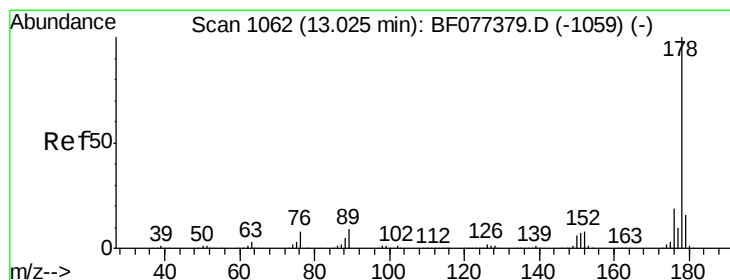
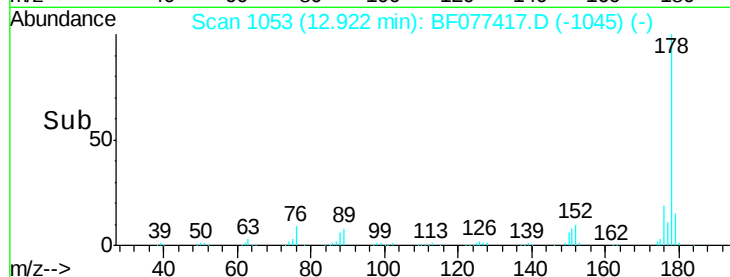
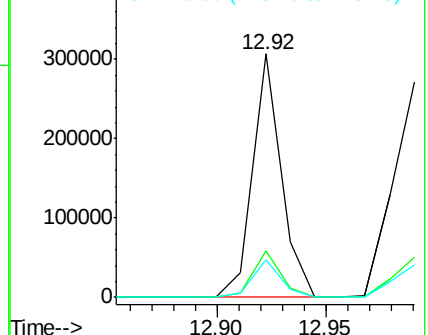
179 15.4 12.2 18.2



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: 24.83 ng

RT: 12.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

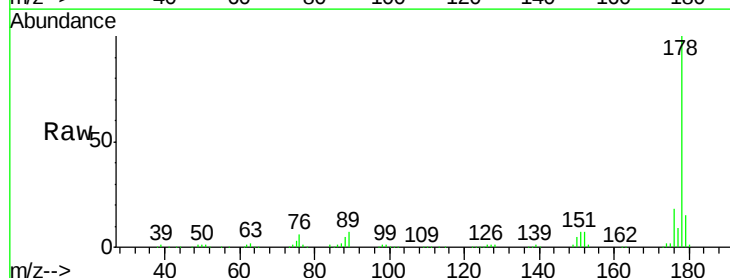
Tgt Ion:178 Resp: 285436

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

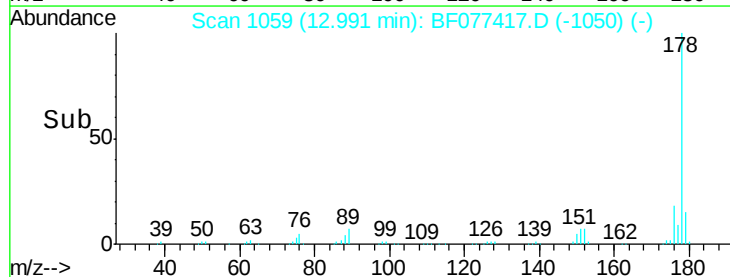
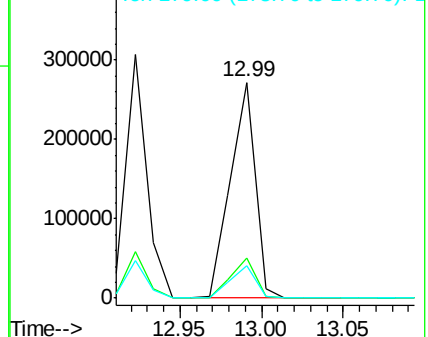
179 15.1 12.9 19.3

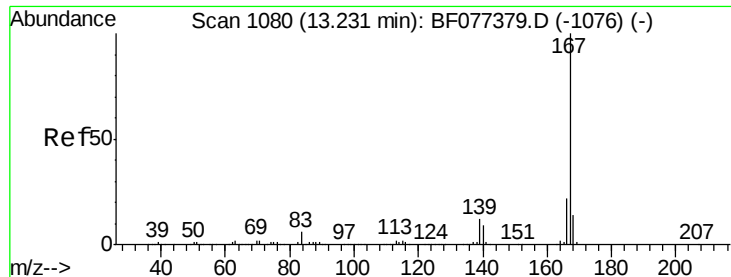


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

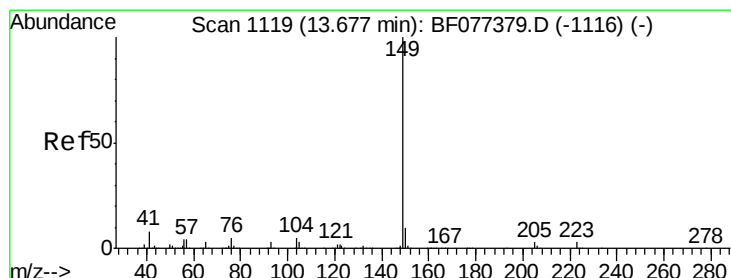
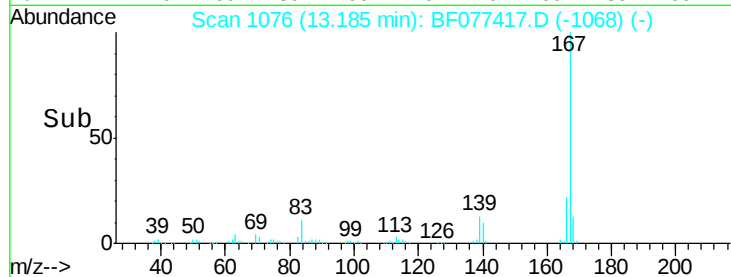
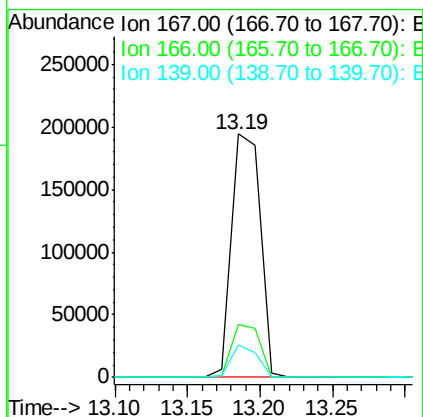
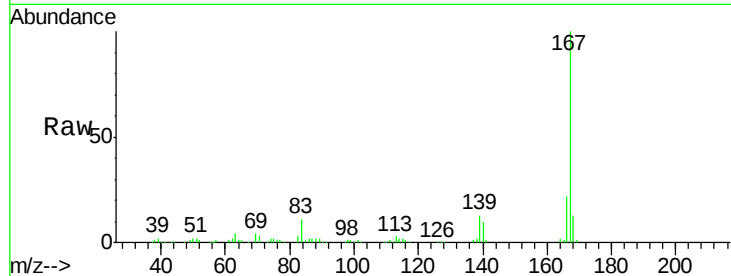




#72
 Carbazole
 Concen: 24.57 ng
 RT: 13.19 min Scan# 1076
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

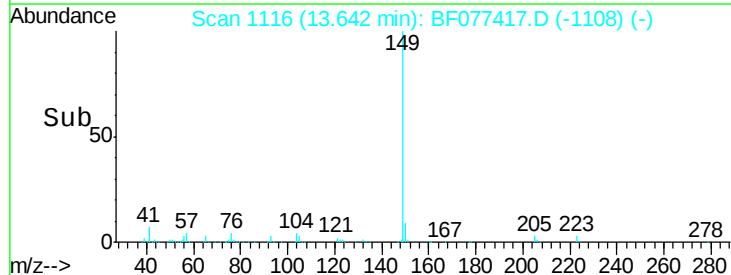
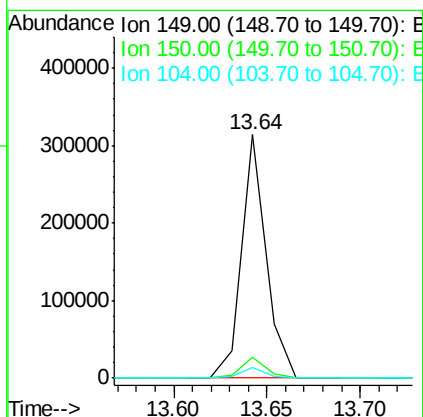
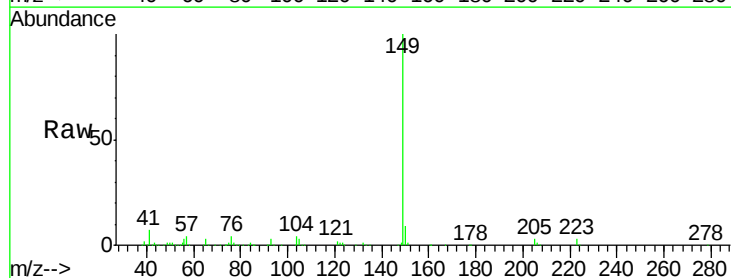
Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMSD

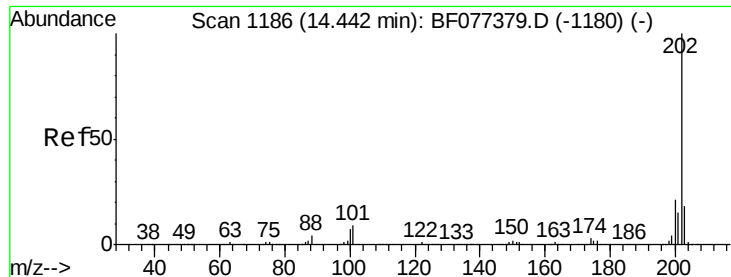
Tgt Ion:	167	Resp:	268527
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	13.4	9.9	14.9



#73
 Di-n-butylphthalate
 Concen: 22.46 ng
 RT: 13.64 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion:	149	Resp:	288175
Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.8	11.8
104	4.4	4.1	6.1

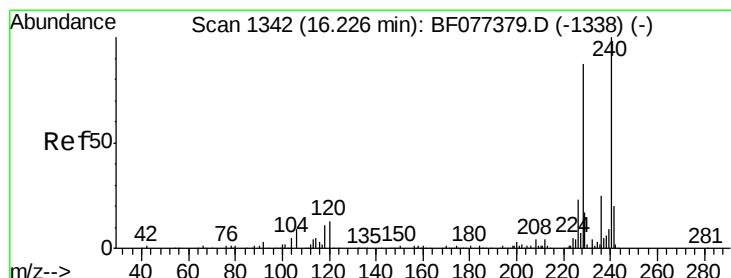
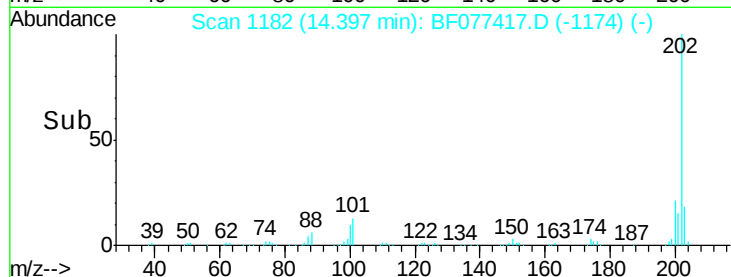
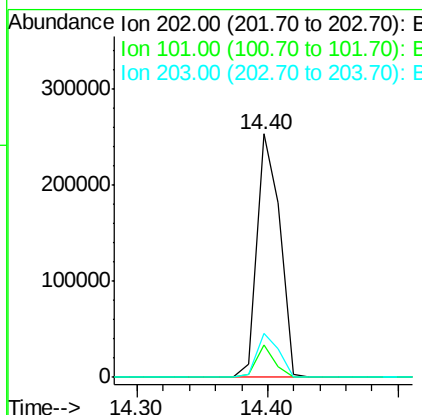
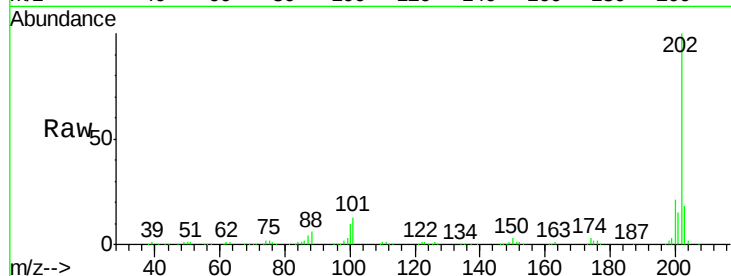




#74
 Fluoranthene
 Concen: 24.56 ng
 RT: 14.40 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

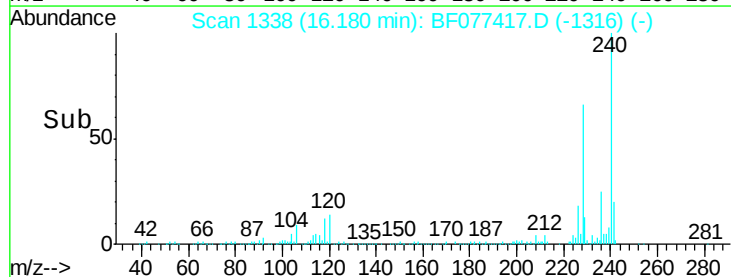
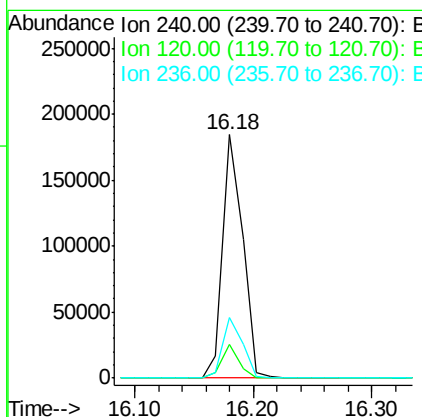
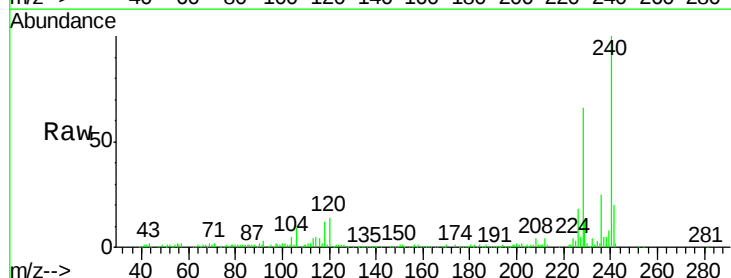
Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD

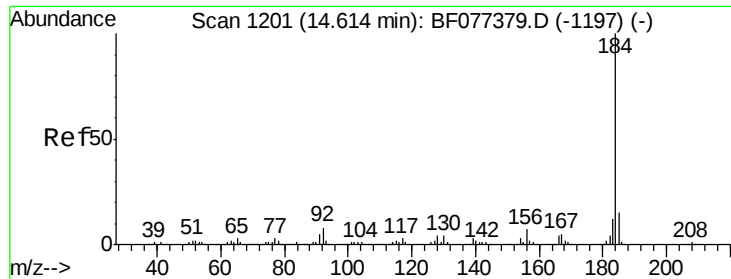
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	30.8
203	18.0	0.0	37.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.18 min Scan# 1338
 Delta R.T. -0.05 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.0	8.8	13.2#
236	25.0	20.7	31.1

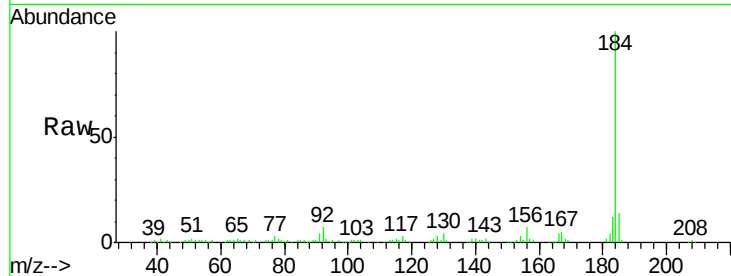




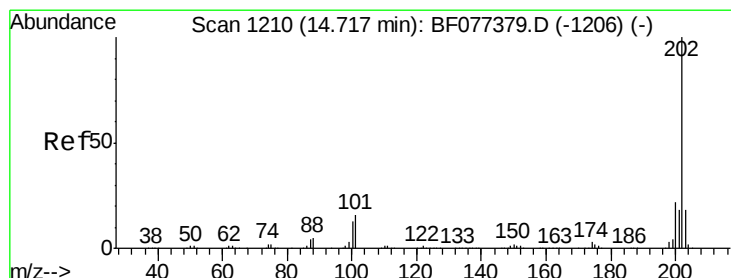
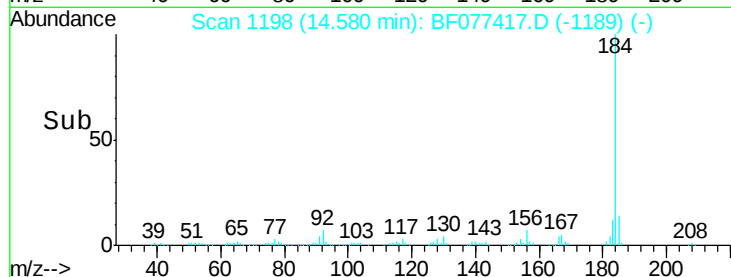
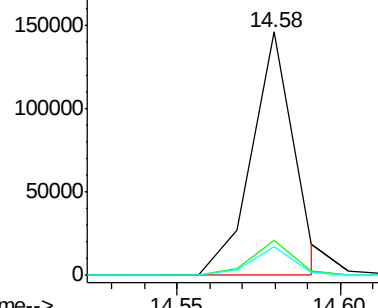
#76
Benzidine
Concen: 18.19 ng
RT: 14.58 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

Tgt Ion:184 Resp: 131904
Ion Ratio Lower Upper
184 100
185 14.3 12.6 18.8
183 11.5 9.3 13.9

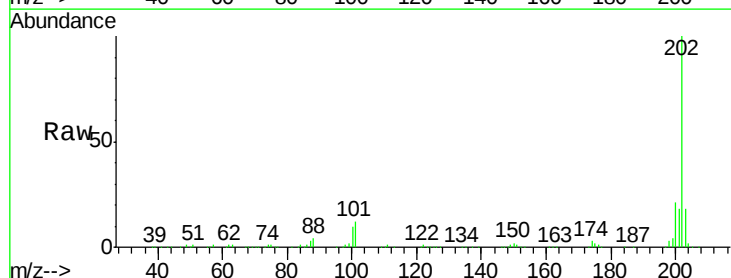


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

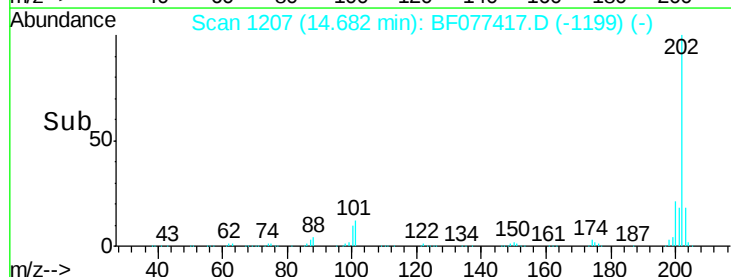
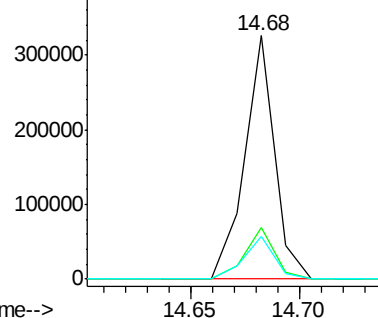


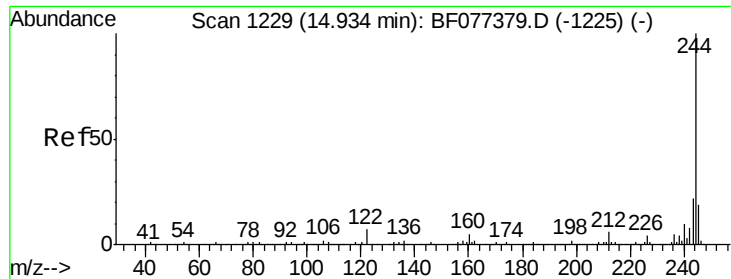
#77
Pyrene
Concen: 24.08 ng
RT: 14.68 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion:202 Resp: 316100
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.6 14.2 21.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

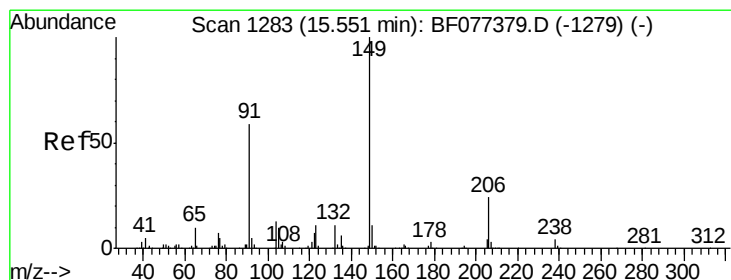
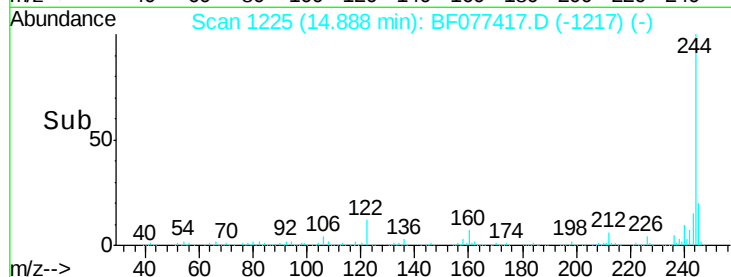
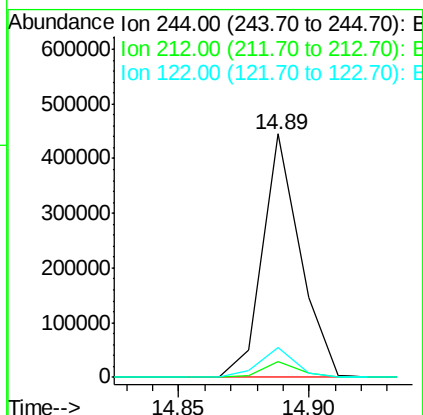
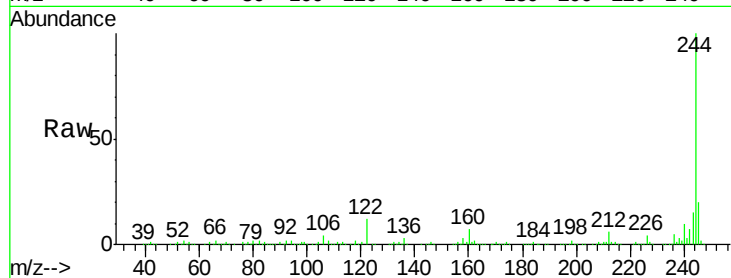




#78
 Terphenyl-d14
 Concen: 48.00 ng
 RT: 14.89 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

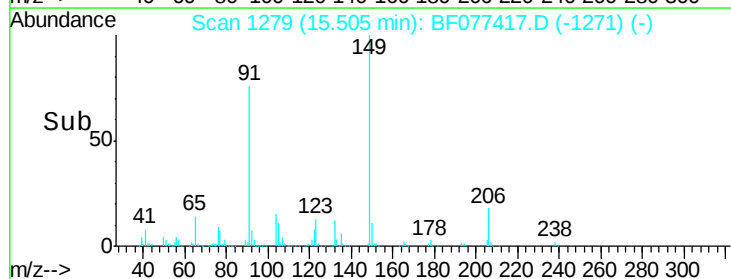
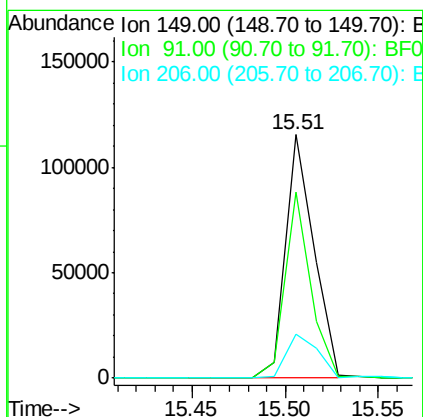
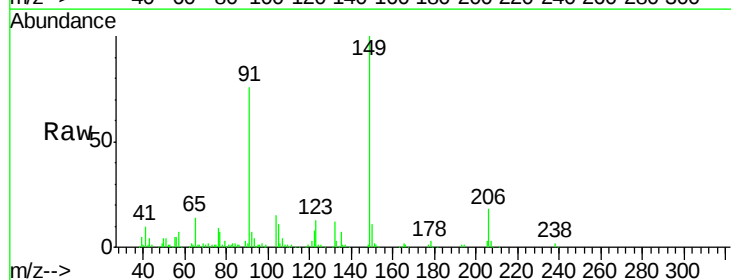
Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMSD

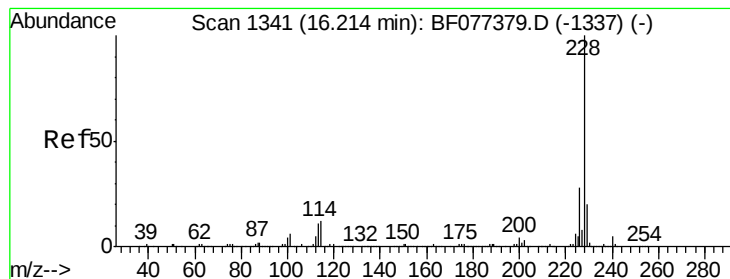
Tgt Ion: 244 Resp: 440690
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 12.0 7.8 11.8#



#79
 Butylbenzylphthalate
 Concen: 22.86 ng
 RT: 15.51 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Tgt Ion: 149 Resp: 123491
 Ion Ratio Lower Upper
 149 100
 91 76.3 51.2 76.8
 206 18.0 17.8 26.8





#80

Benzo(a)anthracene

Concen: 23.50 ng

RT: 16.17 min Scan# 1337

Delta R.T. -0.03 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGMSD

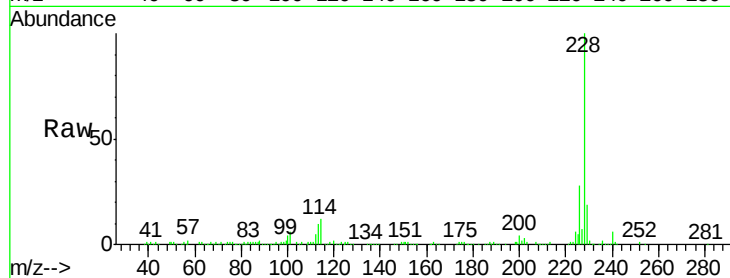
Tgt Ion:228 Resp: 295584

Ion Ratio Lower Upper

228 100

226 27.8 22.0 33.0

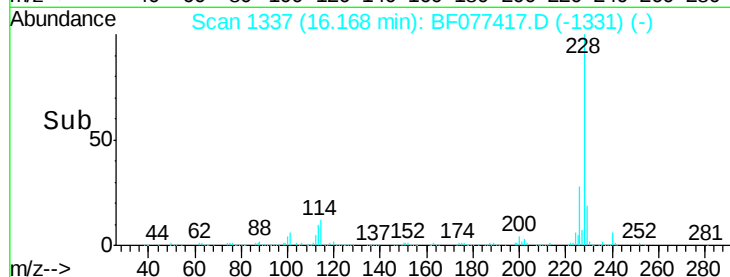
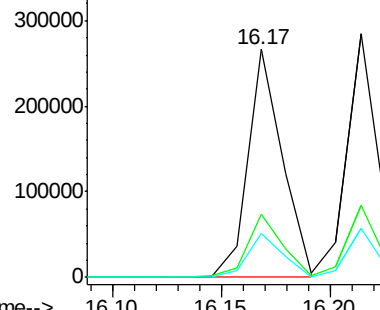
229 19.4 15.8 23.8



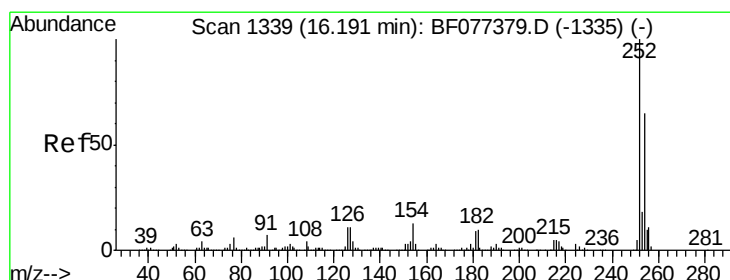
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#81

3,3'-Dichlorobenzidine

Concen: 17.35 ng

RT: 16.15 min Scan# 1335

Delta R.T. -0.03 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

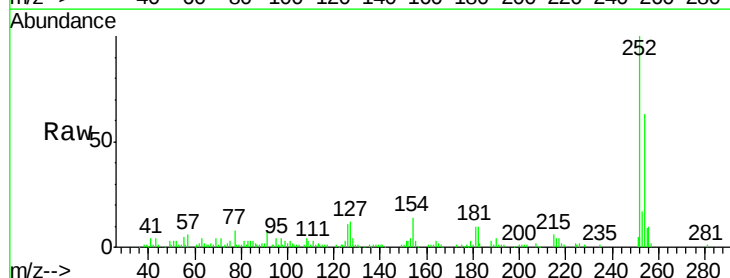
Tgt Ion:252 Resp: 79978

Ion Ratio Lower Upper

252 100

254 63.1 52.9 79.3

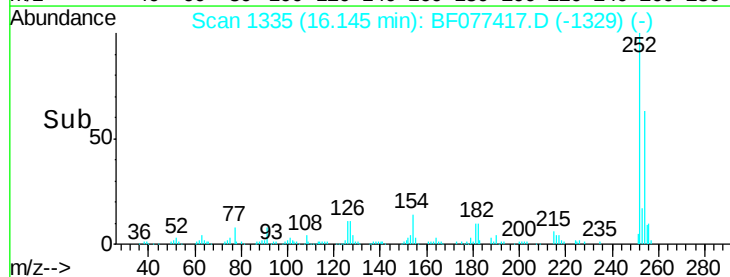
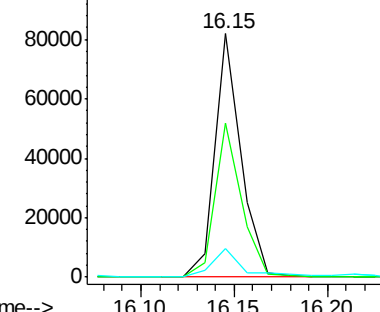
126 11.5 7.3 10.9#



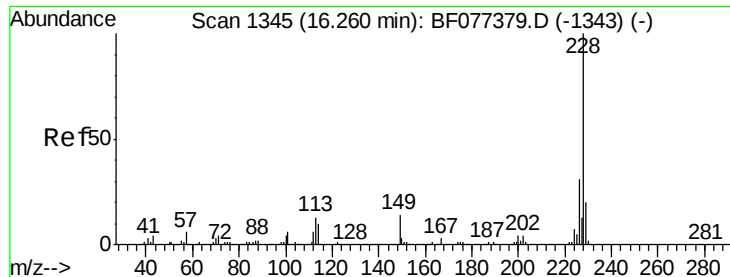
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



Time-->



#82

Chrysene

Concen: 23.85 ng

RT: 16.21 min Scan# 1341

Delta R.T. -0.05 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGMSD

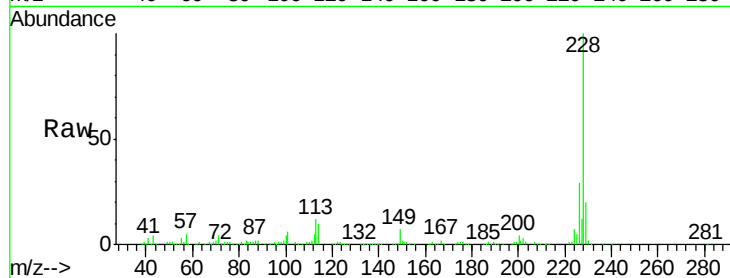
Tgt Ion:228 Resp: 281763

Ion Ratio Lower Upper

228 100

226 29.5 24.9 37.3

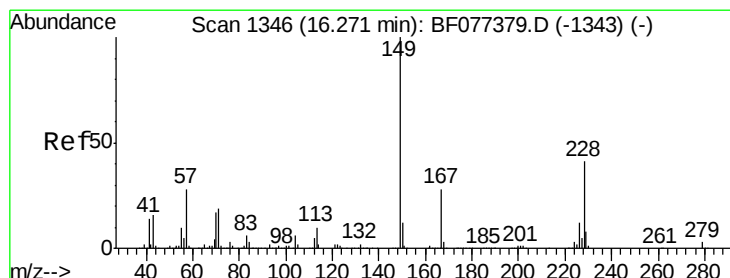
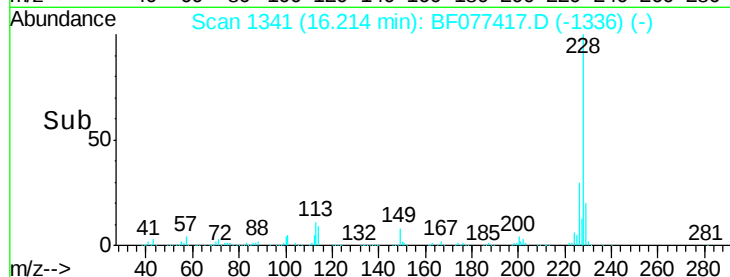
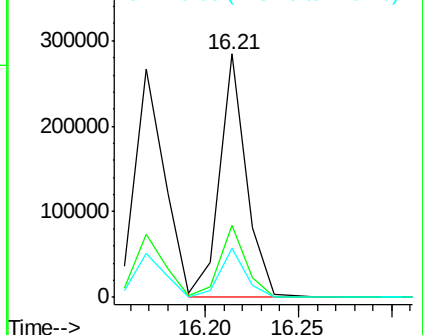
229 20.0 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 19.59 ng

RT: 16.23 min Scan# 1342

Delta R.T. -0.05 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

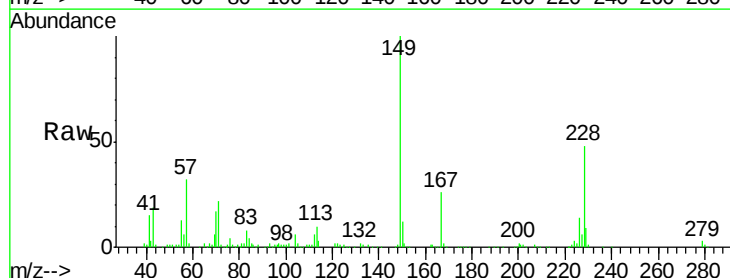
Tgt Ion:149 Resp: 169654

Ion Ratio Lower Upper

149 100

167 26.1 22.8 34.2

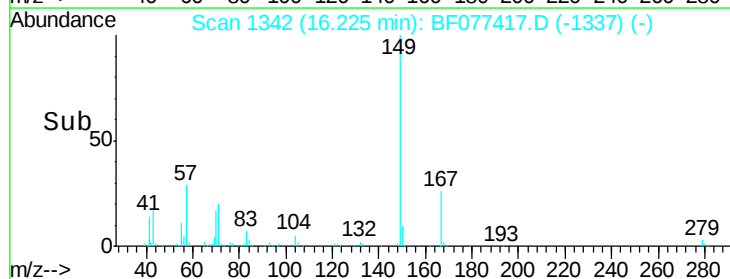
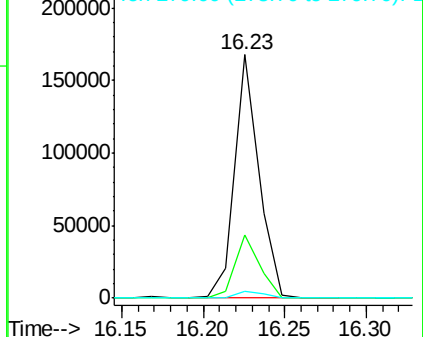
279 3.0 3.8 5.6#

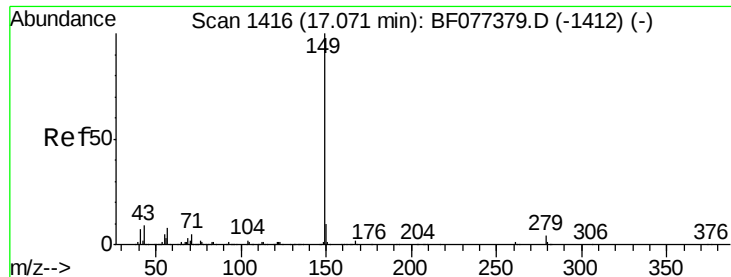


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

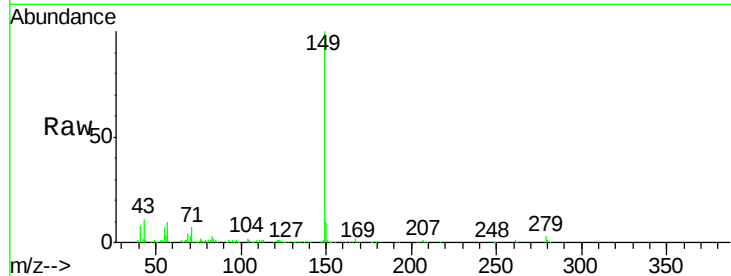




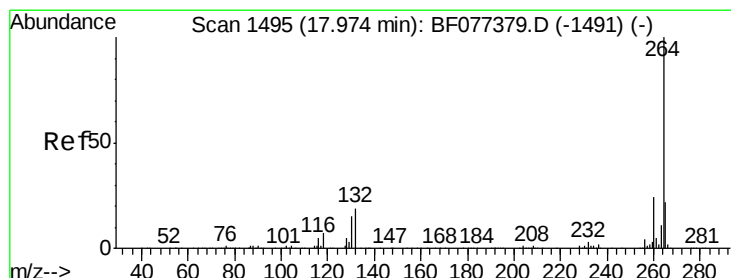
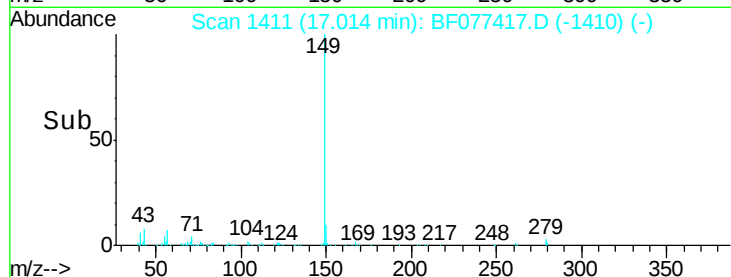
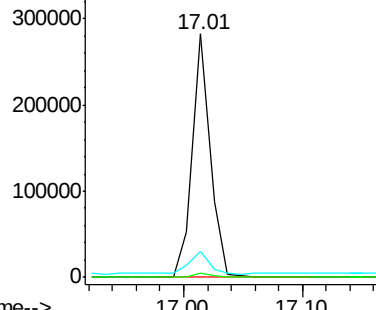
#84
Di-n-octyl phthalate
Concen: 20.27 ng
RT: 17.01 min Scan# 1411
Delta R.T. -0.09 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

Tgt Ion:149 Resp: 293204
Ion Ratio Lower Upper
149 100
167 2.0 1.3 1.9#
43 9.6 8.1 12.1

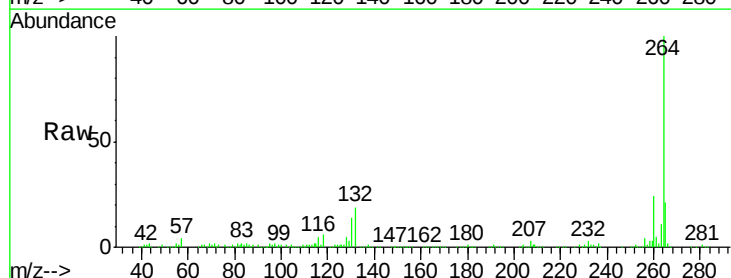


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

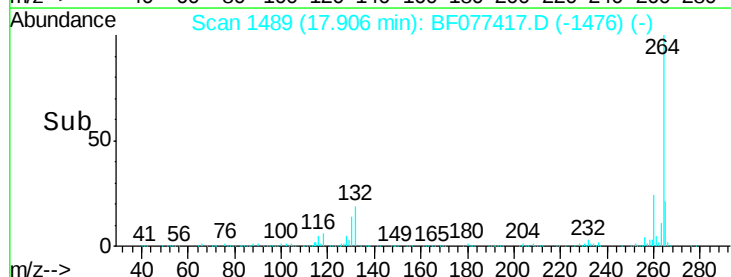
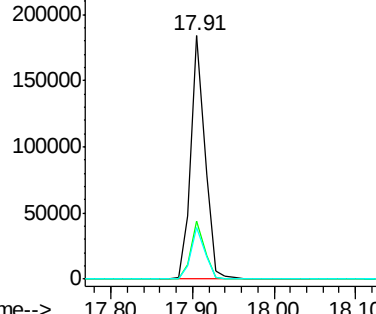


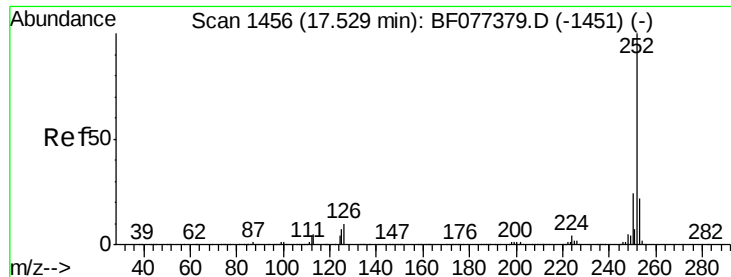
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.91 min Scan# 1489
Delta R.T. -0.15 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion:264 Resp: 222630
Ion Ratio Lower Upper
264 100
260 23.8 19.3 28.9
265 21.1 16.8 25.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 27.07 ng

RT: 17.46 min Scan# 1450

Delta R.T. -0.13 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGMSD

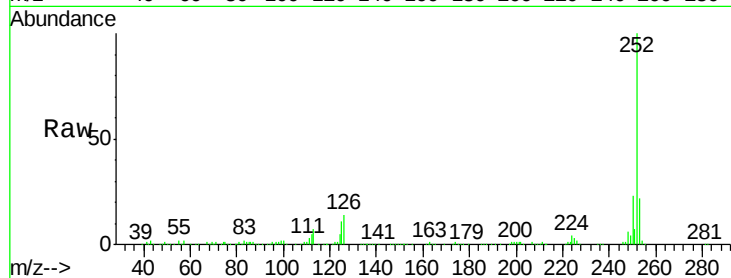
Tgt Ion:252 Resp: 350444

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

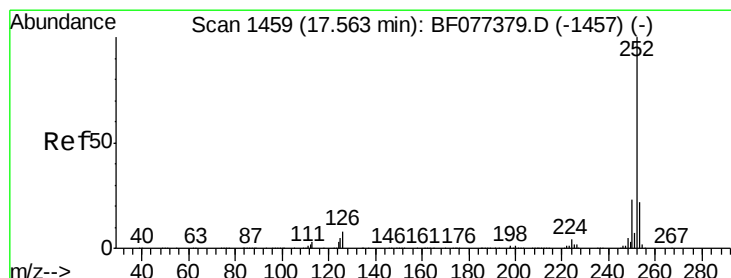
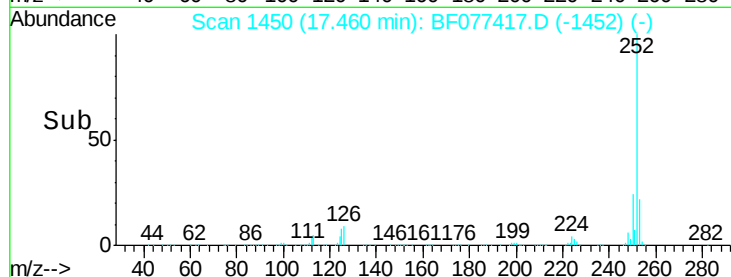
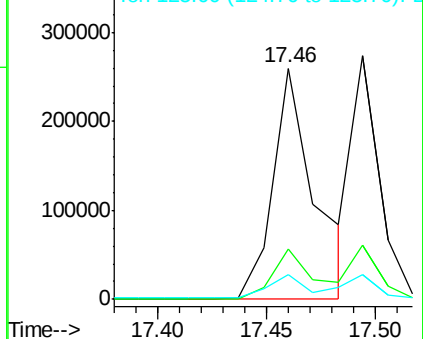
125 11.0 5.4 8.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 27.62 ng

RT: 17.46 min Scan# 1450

Delta R.T. -0.16 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

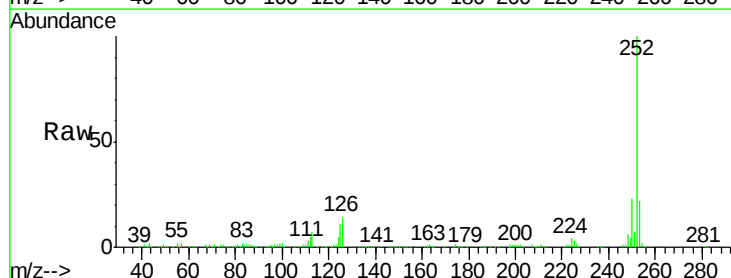
Tgt Ion:252 Resp: 350444

Ion Ratio Lower Upper

252 100

253 21.9 18.1 27.1

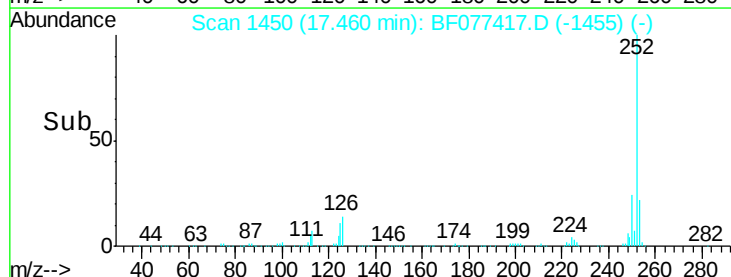
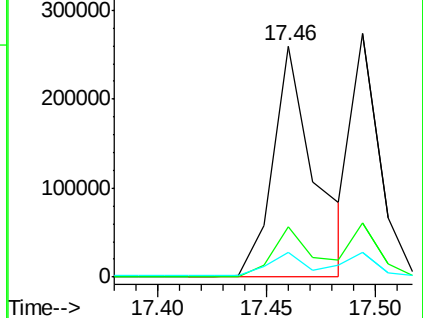
125 11.0 10.1 15.1

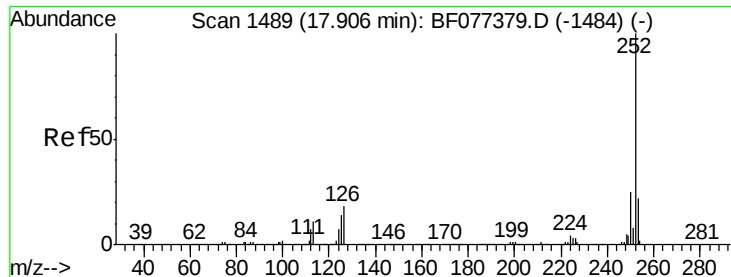


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 23.68 ng

RT: 17.84 min Scan# 1483

Delta R.T. -0.15 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGMSD

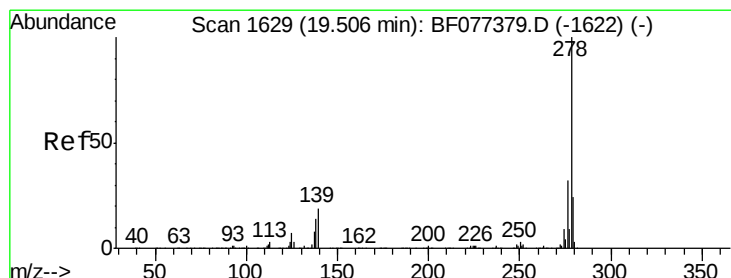
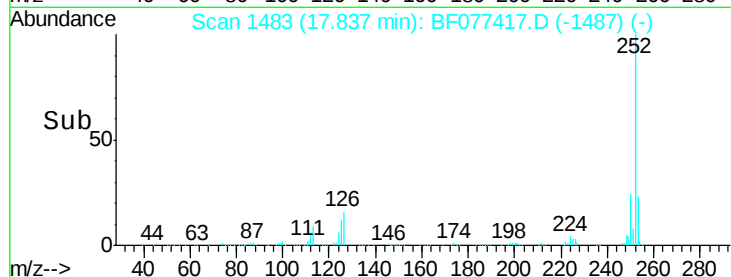
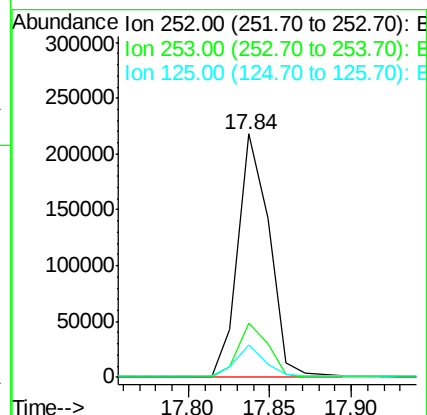
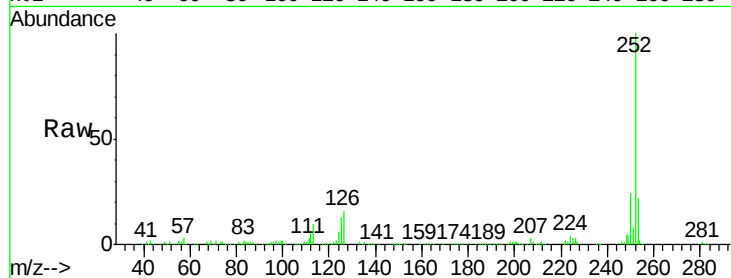
Tgt Ion:252 Resp: 291965

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

125 13.1 8.3 12.5#



#90

Dibenzo(a,h)anthracene

Concen: 24.59 ng

RT: 19.41 min Scan# 1621

Delta R.T. -0.17 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

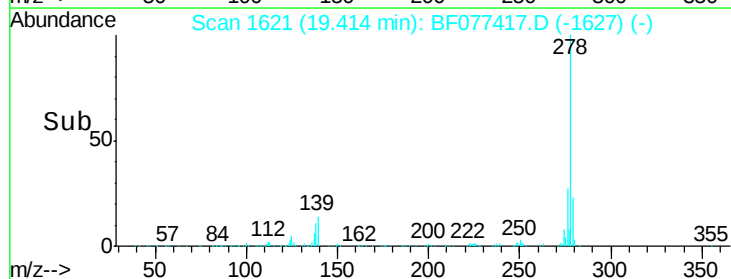
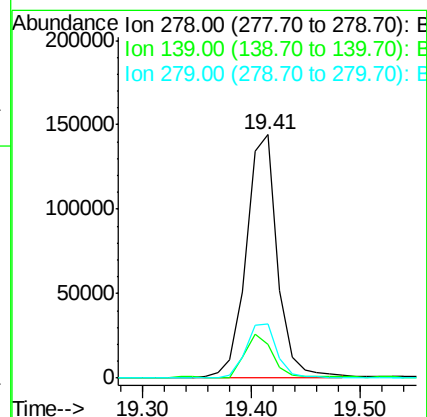
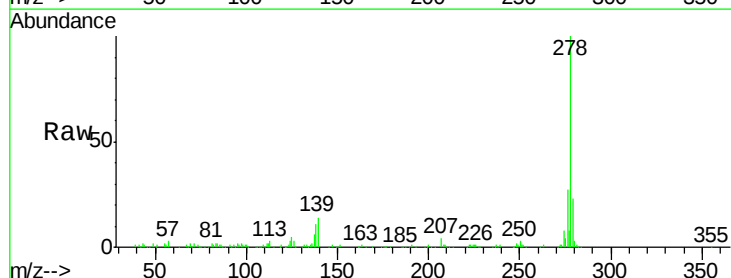
Tgt Ion:278 Resp: 289173

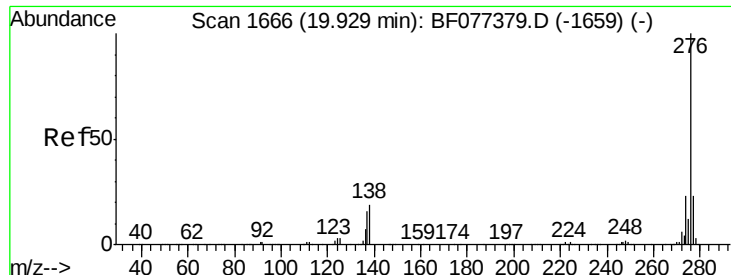
Ion Ratio Lower Upper

278 100

139 14.0 14.3 21.5#

279 22.5 19.0 28.6





#91

Benzo(g,h,i)perylene

Concen: 24.90 ng

RT: 19.81 min Scan# 1656

Delta R.T. -0.18 min

Lab File: BF077417.D

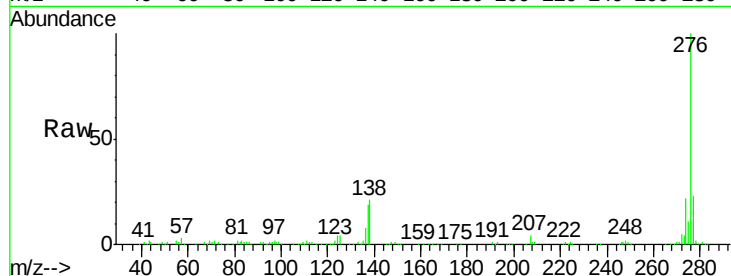
Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMSD



Tgt Ion:	276	Resp:	295502
Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.9	28.3
138	21.5	20.5	30.7

