

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022515\
 Data File : BF077438.D
 Acq On : 25 Feb 2015 17:24
 Operator : IZ / TP
 Sample : G1336-01MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

Quant Time: Feb 26 03:37:14 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 26 03:18:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	74092	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	296922	20.00	ng	0.00
38) Acenaphthene-d10	11.04	164	148746	20.00	ng	0.00
63) Phenanthrene-d10	12.88	188	292075	20.00	ng	-0.01
75) Chrysene-d12	16.17	240	321342	20.00	ng	-0.01
86) Perylene-d12	17.91	264	326407	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	342715	77.22	ng	0.00
7) Phenol-d6	6.84	99	437905	76.74	ng	0.00
23) Nitrobenzene-d5	7.97	82	310590	65.05	ng	-0.01
41) 2,4,6-Tribromophenol	12.02	330	118487	82.73	ng	0.00
44) 2-Fluorobiphenyl	10.21	172	718754	75.34	ng	0.00
78) Terphenyl-d14	14.88	244	886658	64.50	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.26	88	59641	31.67	ng	97
3) Pyridine	2.98	79	178088	33.05	ng	95
4) n-Nitrosodimethylamine	2.91	42	88905	37.95	ng	98
6) Aniline	6.88	93	153940	19.52	ng	99
8) 2-Chlorophenol	7.01	128	192097	36.69	ng	98
10) Phenol	6.85	94	231433	34.18	ng	93
11) bis(2-Chloroethyl)ether	6.98	93	168431	34.62	ng	97
12) 1,3-Dichlorobenzene	7.21	146	202636	35.54	ng	97
13) 1,4-Dichlorobenzene	7.31	146	210311	36.26	ng	99
14) 1,2-Dichlorobenzene	7.49	146	200921	36.42	ng	98
15) Benzyl Alcohol	7.47	79	155834	35.92	ng	# 90
16) 2,2'-oxybis(1-Chloropropan	7.64	45	235977	33.93	ng	97
17) 2-Methylphenol	7.61	107	153088	37.41	ng	97
18) Hexachloroethane	7.92	117	68799	35.52	ng	90
19) n-Nitroso-di-n-propylamine	7.80	70	129642	35.78	ng	96
20) 3+4-Methylphenols	7.80	107	198525	36.83	ng	# 86
22) Acetophenone	7.79	105	256022	36.66	ng	93
24) Nitrobenzene	8.00	77	183564	36.54	ng	# 82
25) Isophorone	8.30	82	334266	35.29	ng	96
26) 2-Nitrophenol	8.40	139	91199	44.29	ng	93
27) 2,4-Dimethylphenol	8.45	122	172415	37.43	ng	97
28) bis(2-Chloroethoxy)methane	8.58	93	215609	36.03	ng	100
29) 2,4-Dichlorophenol	8.69	162	161683	37.39	ng	99
30) 1,2,4-Trichlorobenzene	8.80	180	173812	36.56	ng	98
31) Naphthalene	8.89	128	548941	36.97	ng	99
32) Benzoic acid	8.56	122	97327	43.48	ng	99
33) 4-Chloroaniline	8.96	127	110337	16.71	ng	# 88
34) Hexachlorobutadiene	9.05	225	98693	36.36	ng	99
35) Caprolactam	9.38	113	49521	37.51	ng	93
36) 4-Chloro-3-methylphenol	9.56	107	158309	36.42	ng	92
37) 2-Methylnaphthalene	9.74	142	371839	35.26	ng	96
39) 1,2,4,5-Tetrachlorobenzene	9.95	216	168932	39.58	ng	98
40) Hexachlorocyclopentadiene	9.94	237	182775	79.87	ng	95
42) 2,4,6-Trichlorophenol	10.10	196	124573	44.07	ng	100

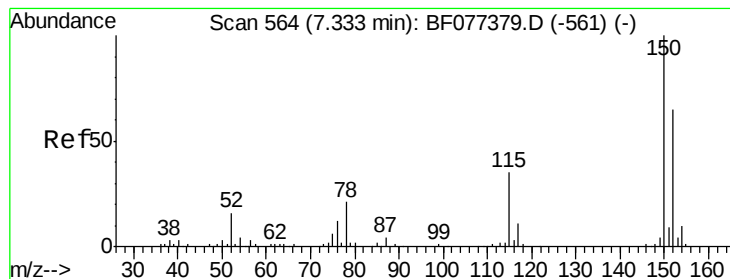
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	10.14	196	132155	43.73	ng	98
45) 1,1'-Biphenyl	10.33	154	444712	39.46	ng	97
46) 2-Chloronaphthalene	10.35	162	364326	41.22	ng	98
47) 2-Nitroaniline	10.48	65	96183	44.21	ng	92
48) Acenaphthylene	10.86	152	597070	42.67	ng	99
49) Dimethylphthalate	10.72	163	421014	40.27	ng	99
50) 2,6-Dinitrotoluene	10.78	165	92834	44.27	ng	# 59
51) Acenaphthene	11.08	154	337963	40.48	ng	99
52) 3-Nitroaniline	10.99	138	66702	27.59	ng	87
53) 2,4-Dinitrophenol	11.12	184	67076	105.13	ng	# 61
54) Dibenzofuran	11.30	168	520061	40.34	ng	94
55) 4-Nitrophenol	11.20	139	160335	82.46	ng	# 66
56) 2,4-Dinitrotoluene	11.28	165	124088	43.80	ng	# 71
57) Fluorene	11.72	166	425322	41.27	ng	99
58) 2,3,4,6-Tetrachlorophenol	11.45	232	106079	43.66	ng	98
59) Diethylphthalate	11.60	149	415099	40.27	ng	98
60) 4-Chlorophenyl-phenylether	11.72	204	191654	38.59	ng	# 87
61) 4-Nitroaniline	11.74	138	106299	45.88	ng	85
62) Azobenzene	11.92	77	374204	38.26	ng	94
64) 4,6-Dinitro-2-methylphenol	11.78	198	47523	41.34	ng	66
65) n-Nitrosodiphenylamine	11.87	169	359624	37.11	ng	99
66) 4-Bromophenyl-phenylether	12.33	248	120198	35.14	ng	# 89
67) Hexachlorobenzene	12.40	284	132514	36.10	ng	# 76
68) Atrazine	12.55	200	122631	38.92	ng	95
69) Pentachlorophenol	12.64	266	154112	79.87	ng	99
70) Phenanthrene	12.91	178	652965	38.57	ng	100
71) Anthracene	12.97	178	643312	38.29	ng	99
72) Carbazole	13.17	167	607331	38.02	ng	99
73) Di-n-butylphthalate	13.63	149	681147	36.31	ng	# 98
74) Fluoranthene	14.39	202	716965	38.77	ng	99
76) Benzidine	14.56	184	263041	24.23	ng	98
77) Pyrene	14.66	202	735144	37.40	ng	98
79) Butylbenzylphthalate	15.49	149	303793	37.57	ng	99
80) Benzo(a)anthracene	16.16	228	738250	39.20	ng	100
81) 3,3'-Dichlorobenzidine	16.13	252	151824	22.00	ng	# 95
82) Chrysene	16.20	228	680561	38.48	ng	99
83) Bis(2-ethylhexyl)phthalate	16.21	149	423284	32.64	ng	# 94
84) Di-n-octyl phthalate	17.01	149	732850	33.85	ng	98
85) Indeno(1,2,3-cd)pyrene	19.37	276	804937	39.92	ng	100
87) Benzo(b)fluoranthene	17.46	252	709400	37.37	ng	# 98
88) Benzo(k)fluoranthene	17.46	252	709348	38.13	ng	# 96
89) Benzo(a)pyrene	17.84	252	696929	38.55	ng	98
90) Dibenzo(a,h)anthracene	19.39	278	655027	37.99	ng	98
91) Benzo(g,h,i)perylene	19.80	276	677655	38.94	ng	# 94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.29 min Scan# 560

Delta R.T. 0.00 min

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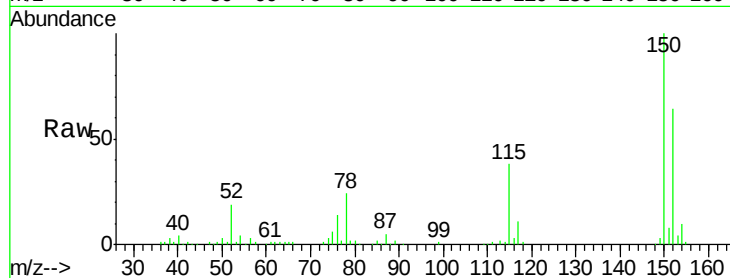
Tgt Ion:152 Resp: 74092

Ion Ratio Lower Upper

152 100

150 156.2 124.0 186.0

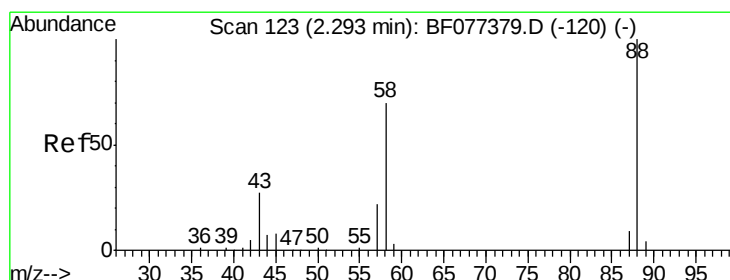
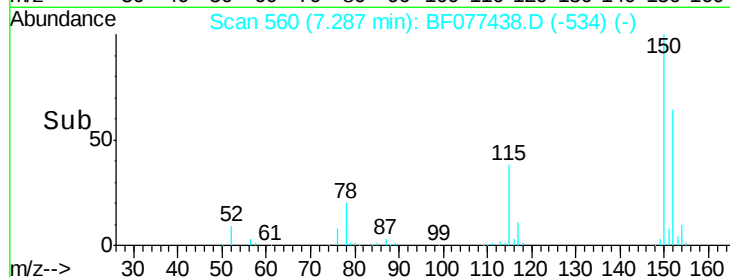
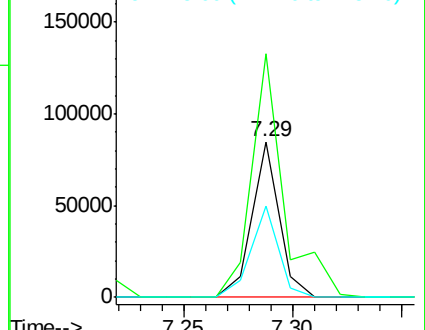
115 59.0 49.4 74.2



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: 31.67 ng

RT: 2.26 min Scan# 120

Delta R.T. 0.02 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

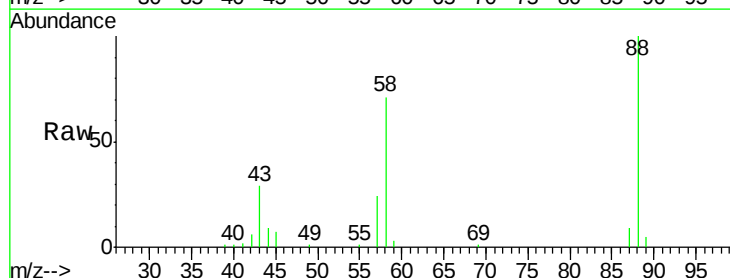
Tgt Ion: 88 Resp: 59641

Ion Ratio Lower Upper

88 100

58 74.7 62.1 93.1

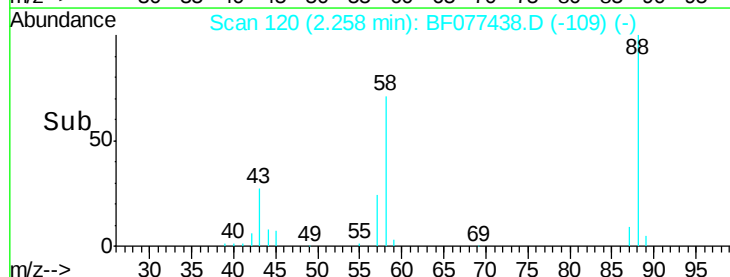
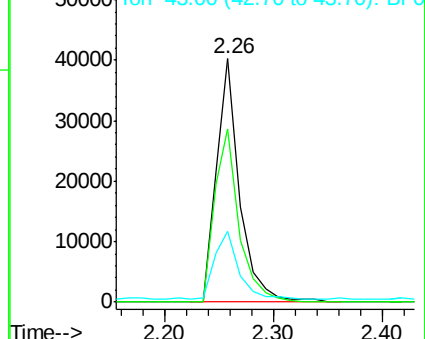
43 30.1 24.0 36.0



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: 33.05 ng

RT: 2.98 min Scan# 183

Delta R.T. 0.02 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

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ClientSampleId :

DRILL-CUTTINGSMS

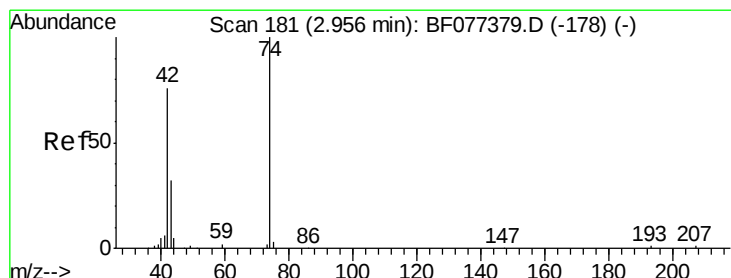
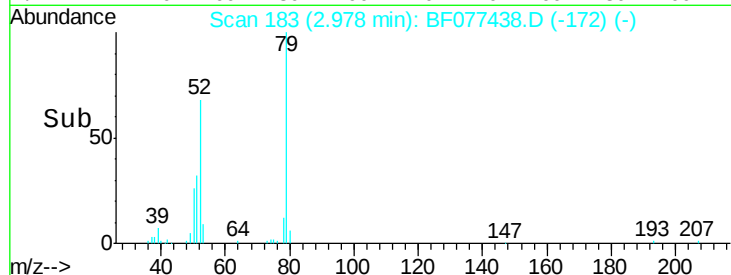
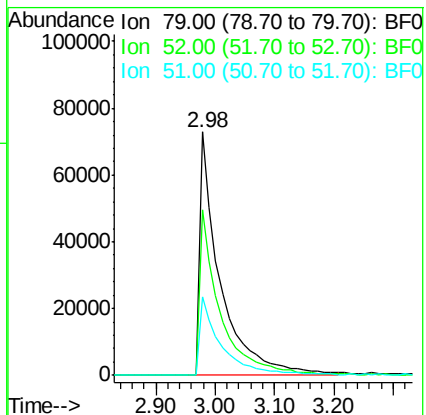
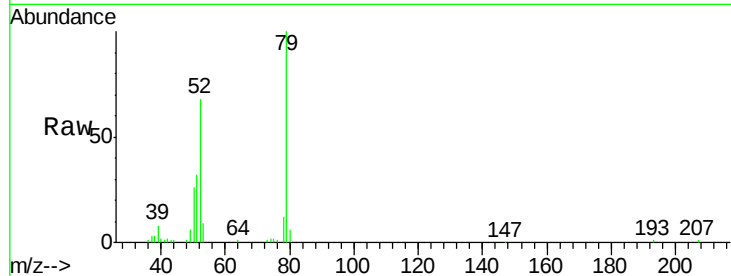
Tgt Ion: 79 Resp: 178088

Ion Ratio Lower Upper

79 100

52 67.9 57.7 86.5

51 32.4 28.5 42.7



#4

n-Nitrosodimethylamine

Concen: 37.95 ng

RT: 2.91 min Scan# 177

Delta R.T. 0.02 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

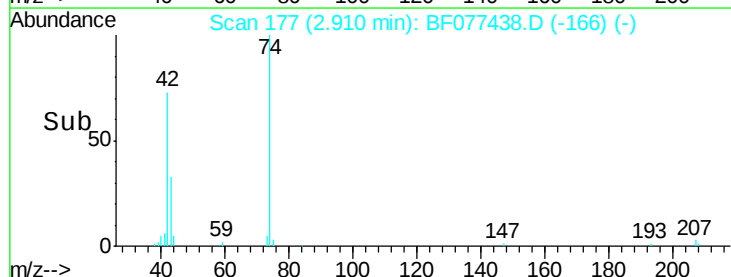
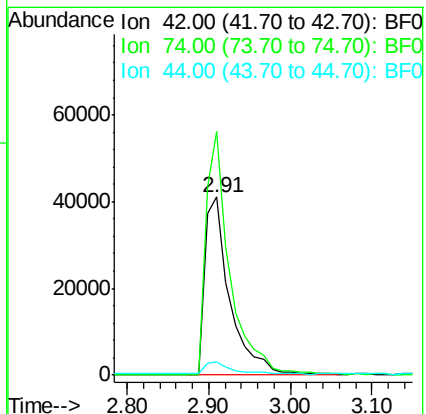
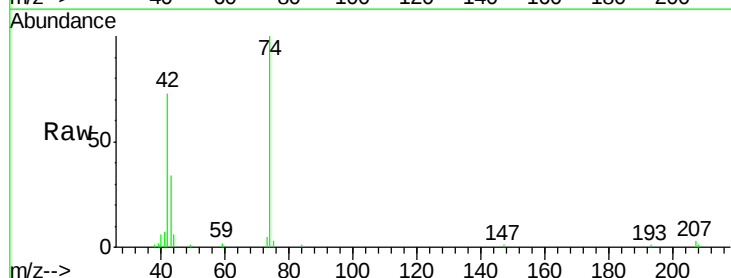
Tgt Ion: 42 Resp: 88905

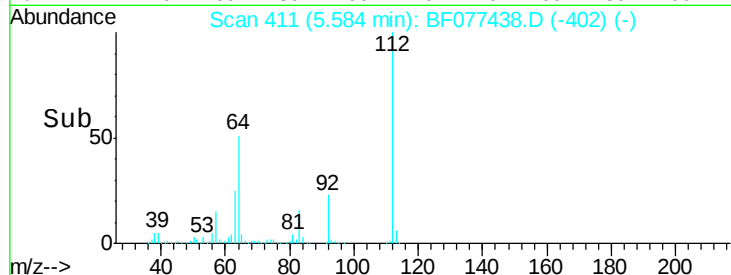
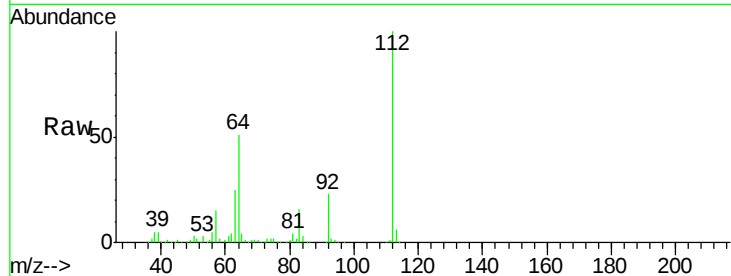
Ion Ratio Lower Upper

42 100

74 136.6 107.1 160.7

44 7.6 6.7 10.1





#5

2-Fluorophenol

Concen: 77.22 ng

RT: 5.58 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF077438.D

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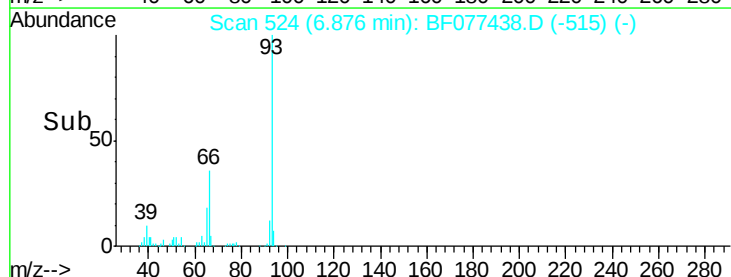
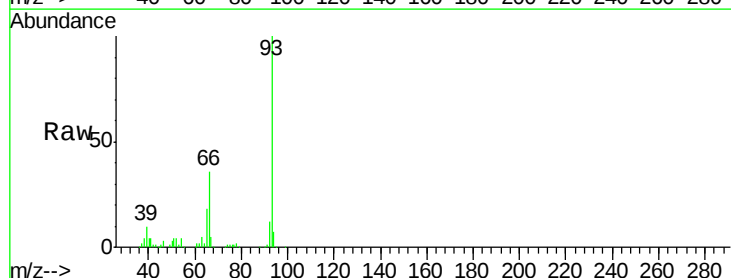
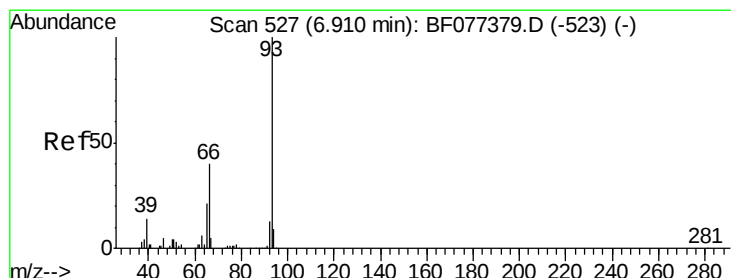
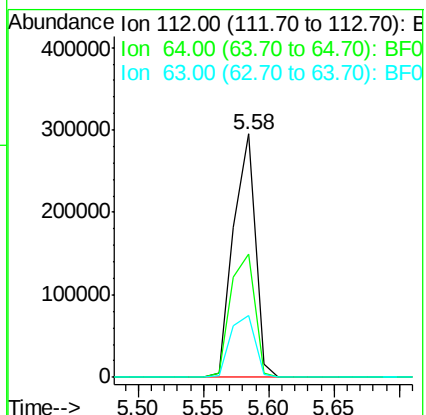
Tgt Ion: 112 Resp: 342715

Ion Ratio Lower Upper

112 100

64 50.6 48.5 72.7

63 25.3 25.0 37.4



#6

Aniline

Concen: 19.52 ng

RT: 6.88 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

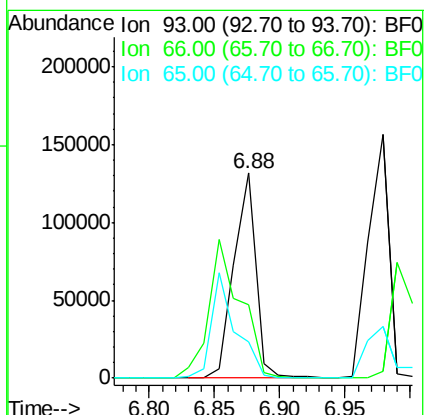
Tgt Ion: 93 Resp: 153940

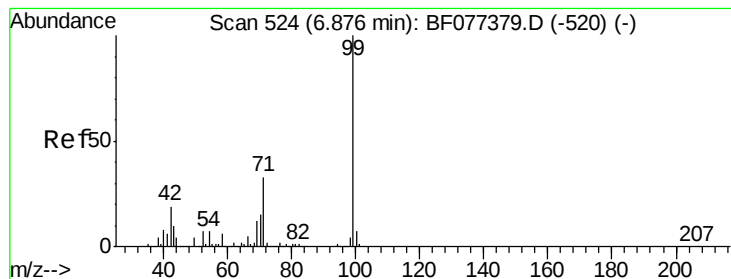
Ion Ratio Lower Upper

93 100

66 35.9 29.1 43.7

65 17.8 14.6 22.0





#7

Phenol-d6

Concen: 76.74 ng

RT: 6.84 min Scan# 521

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

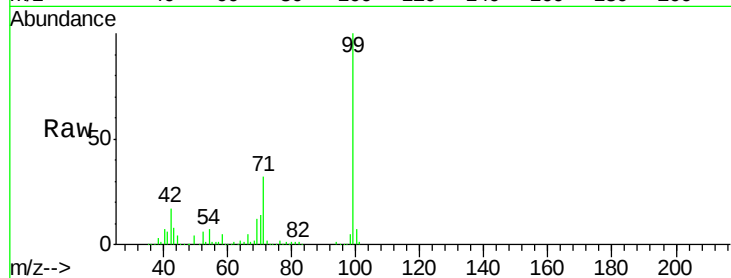
Tgt Ion: 99 Resp: 437905

Ion Ratio Lower Upper

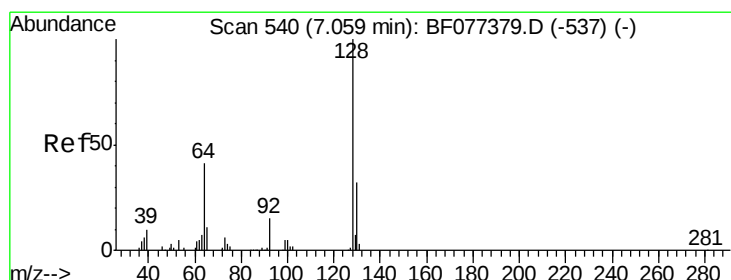
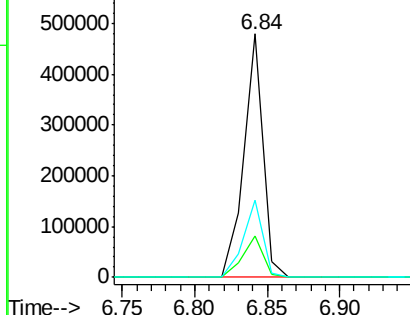
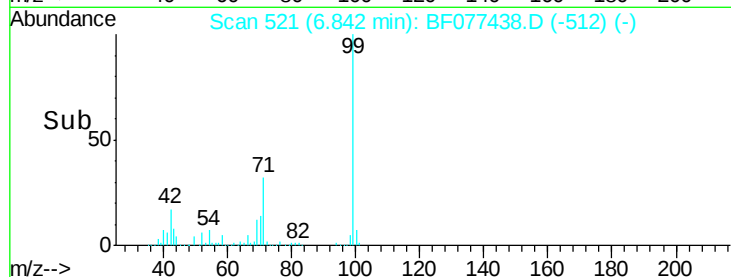
99 100

42 17.1 16.2 24.4

71 31.9 26.7 40.1



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



#8

2-Chlorophenol

Concen: 36.69 ng

RT: 7.01 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

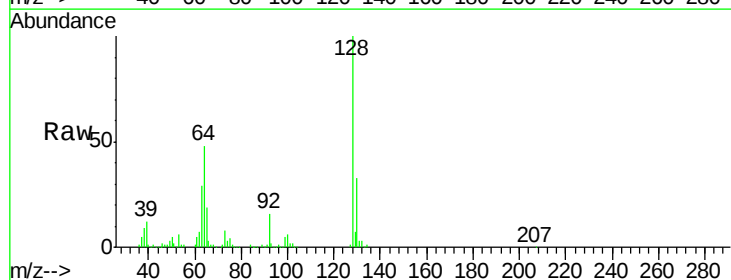
Tgt Ion: 128 Resp: 192097

Ion Ratio Lower Upper

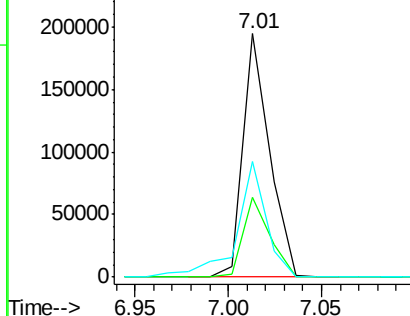
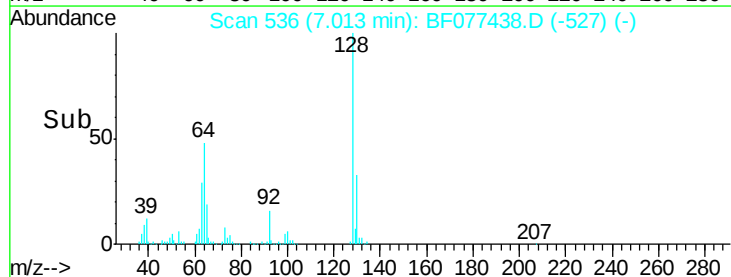
128 100

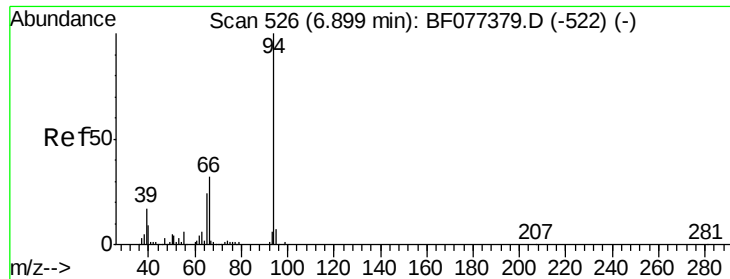
130 32.6 12.0 52.0

64 47.5 29.2 69.2



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





#10

Phenol

Concen: 34.18 ng

RT: 6.85 min Scan# 522

Delta R.T. -0.01 min

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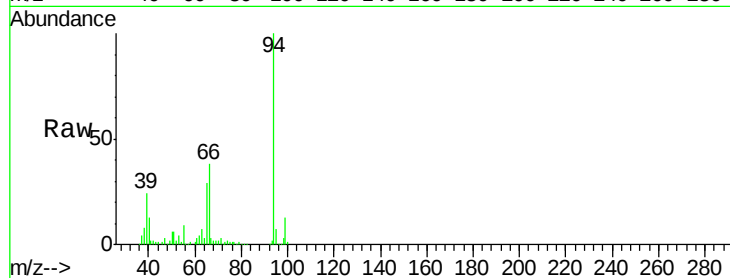
Tgt Ion: 94 Resp: 231433

Ion Ratio Lower Upper

94 100

65 28.7 5.7 45.7

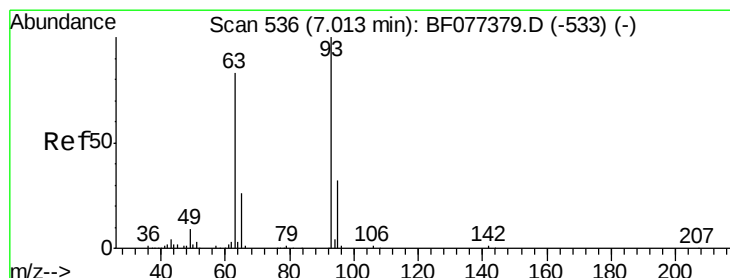
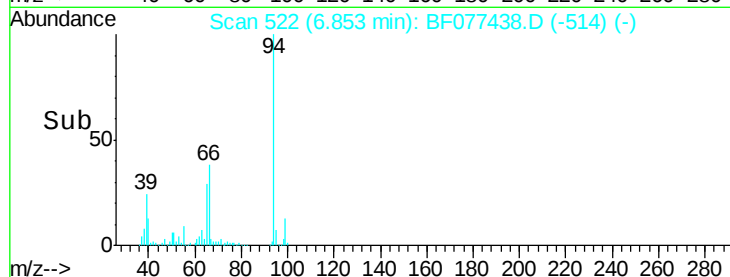
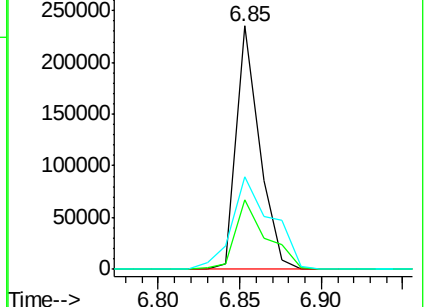
66 37.9 13.6 53.6



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: 34.62 ng

RT: 6.98 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

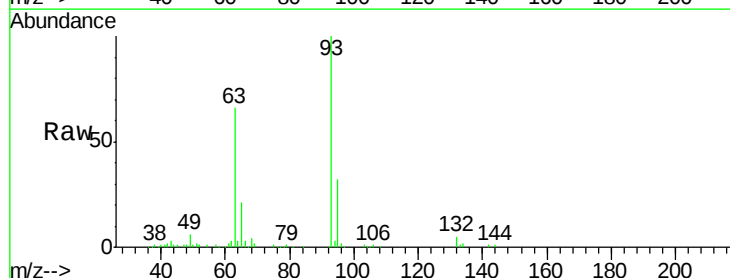
Tgt Ion: 93 Resp: 168431

Ion Ratio Lower Upper

93 100

63 66.2 48.7 88.7

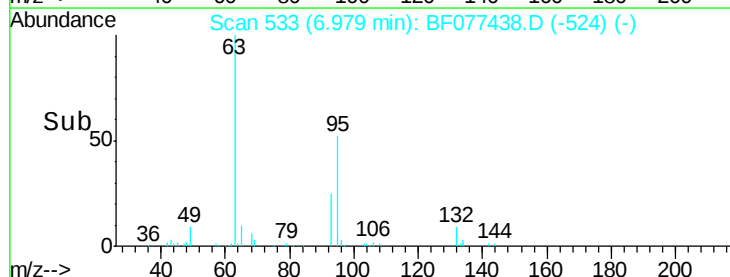
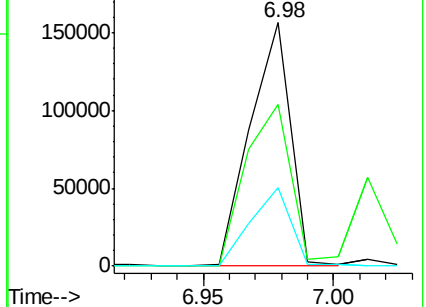
95 32.4 13.6 53.6

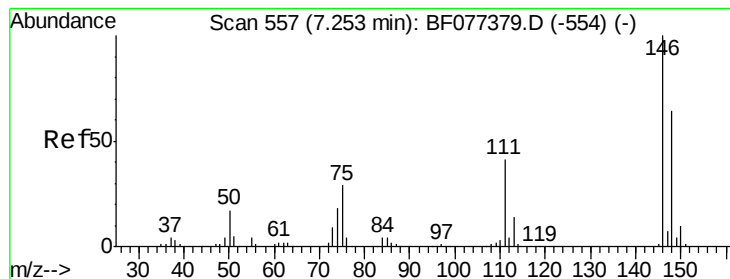


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

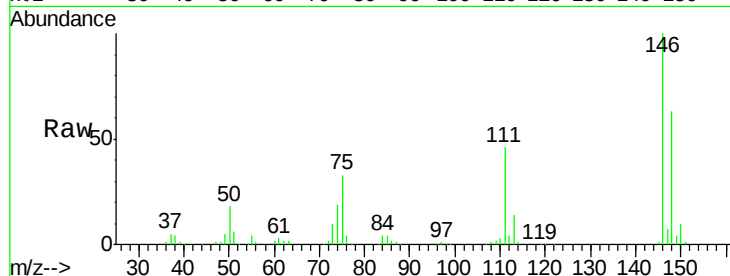




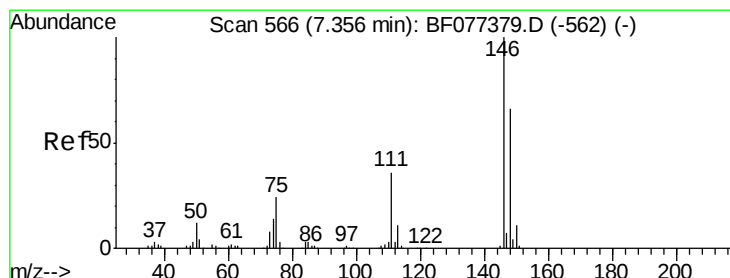
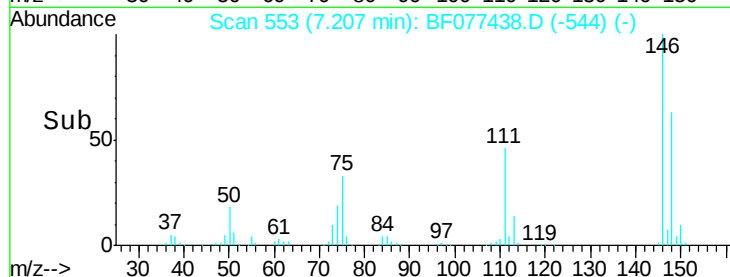
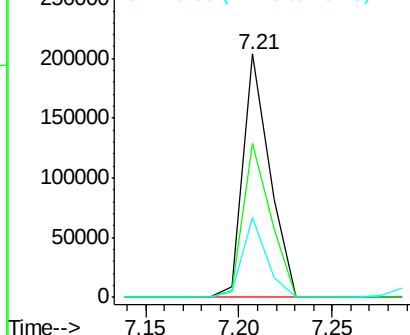
#12
 1,3-Dichlorobenzene
 Concen: 35.54 ng
 RT: 7.21 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

Tgt Ion:146 Resp: 202636
 Ion Ratio Lower Upper
 146 100
 148 63.5 49.8 74.8
 75 32.7 28.2 42.4

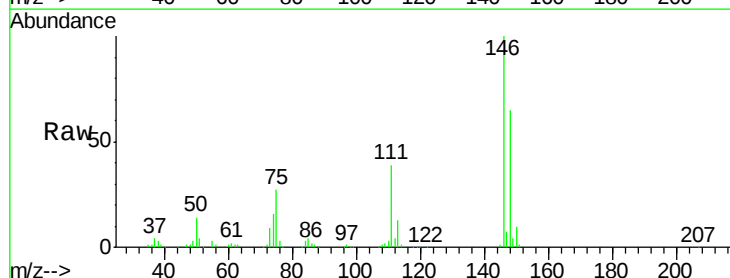


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

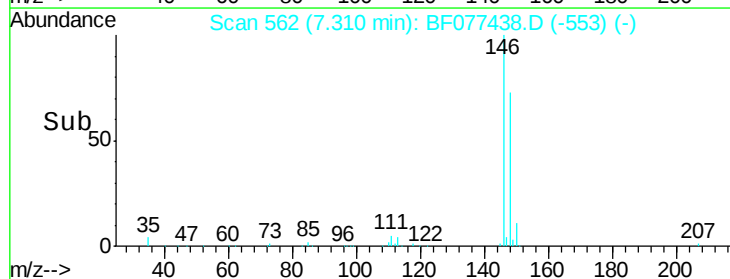
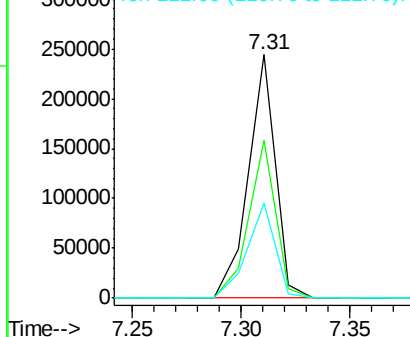


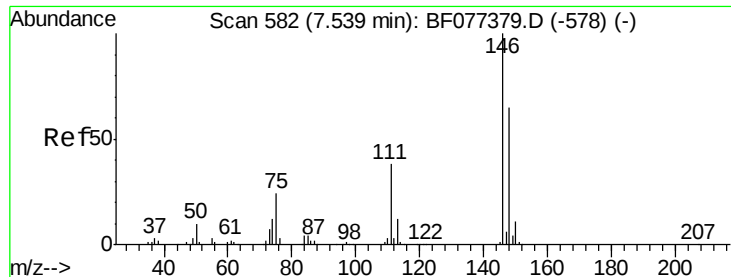
#13
 1,4-Dichlorobenzene
 Concen: 36.26 ng
 RT: 7.31 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Tgt Ion:146 Resp: 210311
 Ion Ratio Lower Upper
 146 100
 148 65.0 52.0 78.0
 111 38.9 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: 36.42 ng

RT: 7.49 min Scan# 578

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

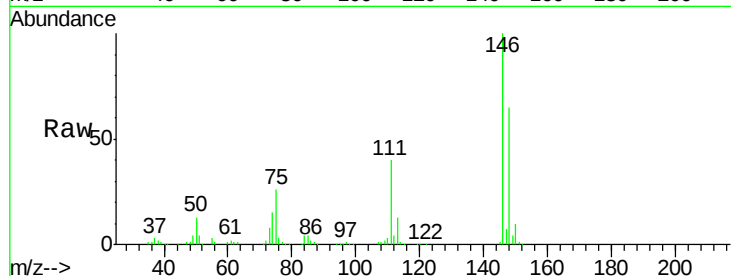
Tgt Ion:146 Resp: 200921

Ion Ratio Lower Upper

146 100

148 65.0 51.6 77.4

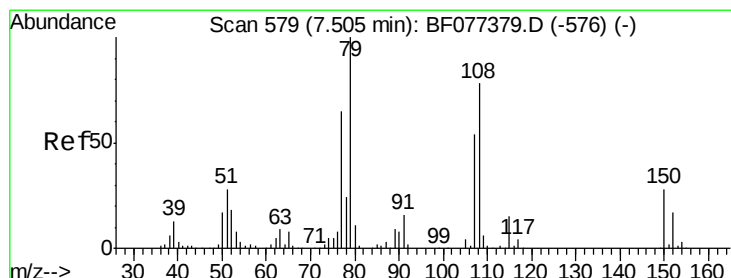
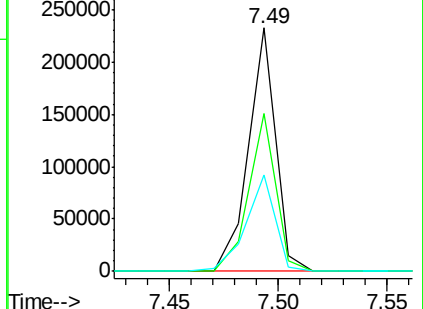
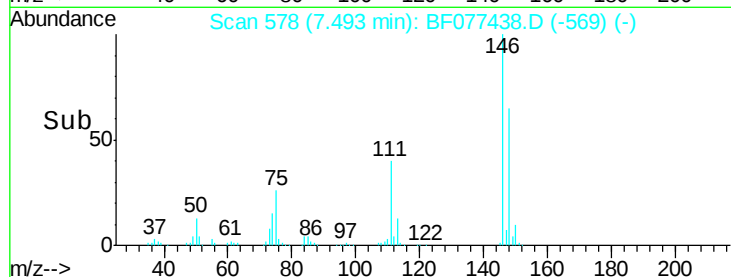
111 39.7 34.2 51.2



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: 35.92 ng

RT: 7.47 min Scan# 576

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

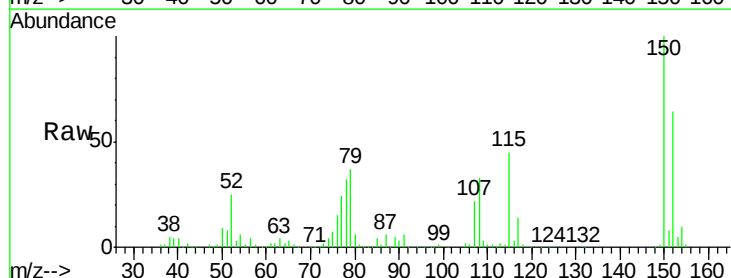
Tgt Ion: 79 Resp: 155834

Ion Ratio Lower Upper

79 100

108 88.5 58.3 87.5#

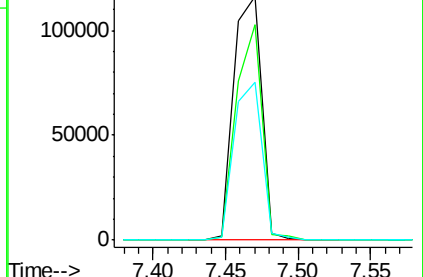
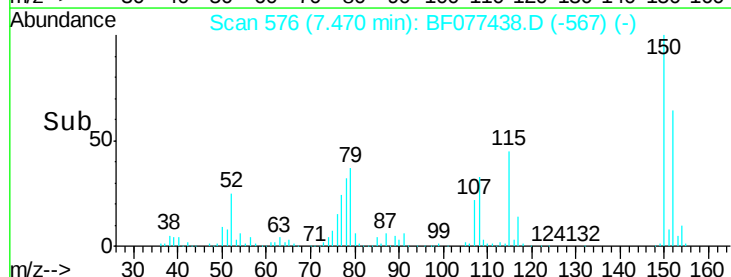
77 64.6 51.3 76.9

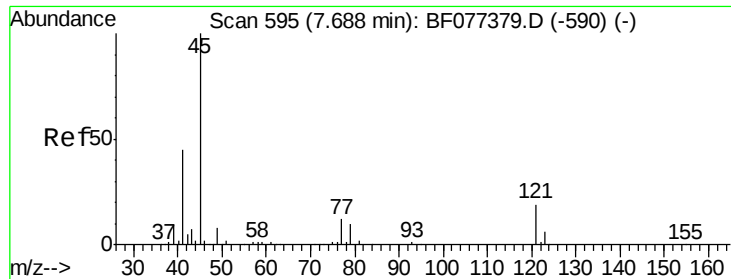


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

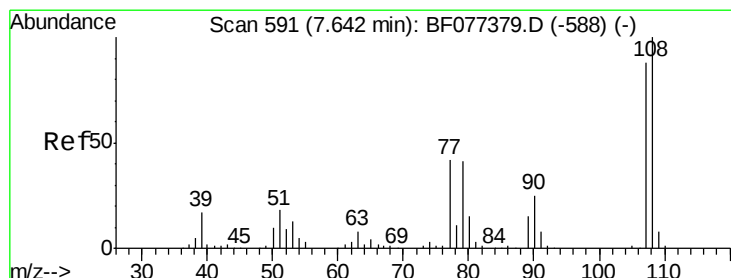
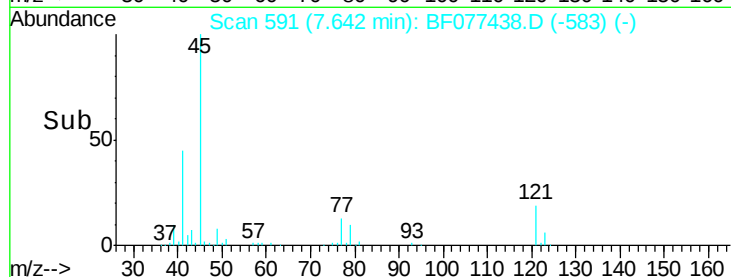
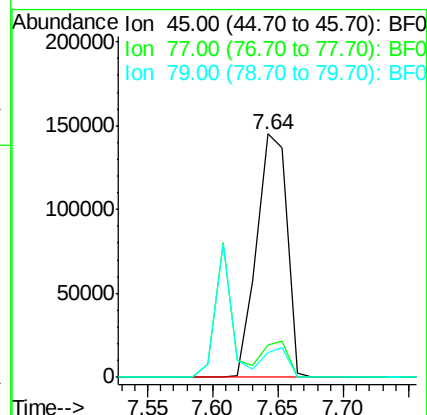
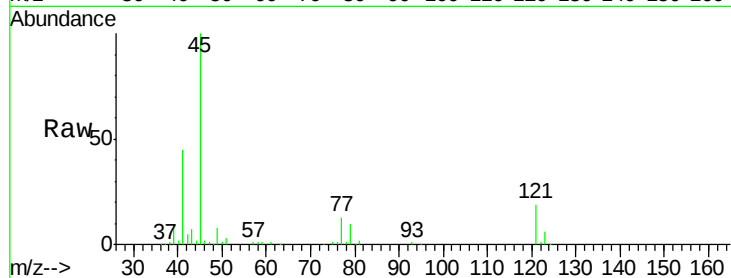




#16
2,2'-oxybis(1-chloropropane)
Concen: 33.93 ng
RT: 7.64 min Scan# 591
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

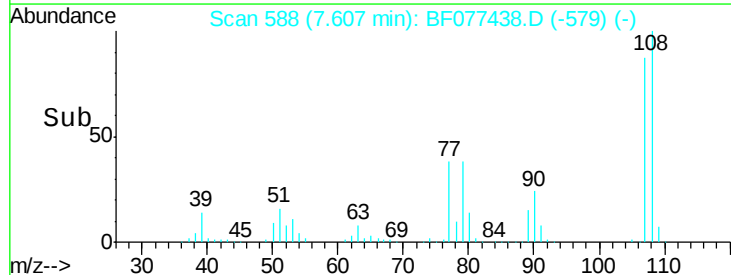
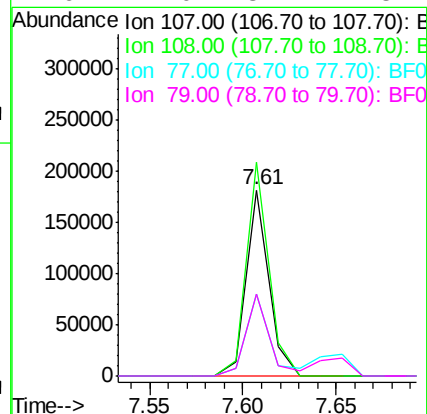
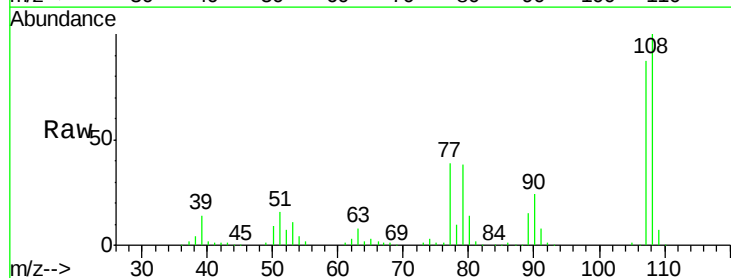
Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

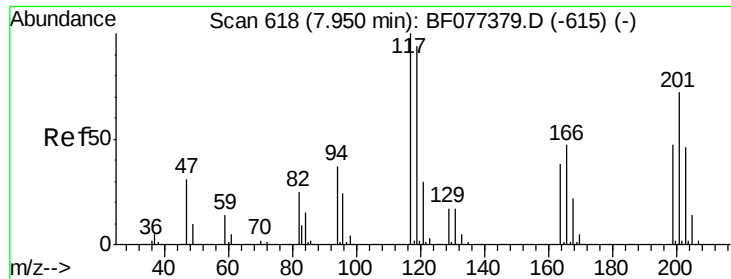
Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	34.6
79	10.4	0.0	31.5



#17
2-Methylphenol
Concen: 37.41 ng
RT: 7.61 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Lower	Upper
107	100		
108	115.0	91.2	136.8
77	44.3	33.6	50.4
79	44.0	32.1	48.1

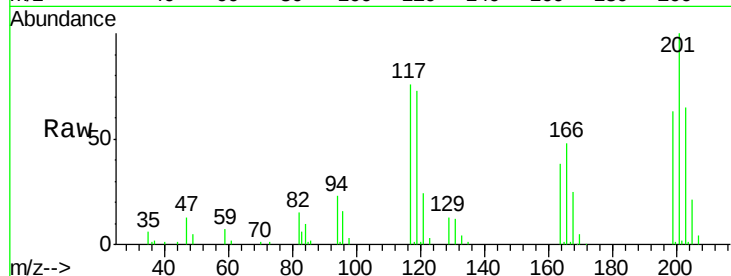




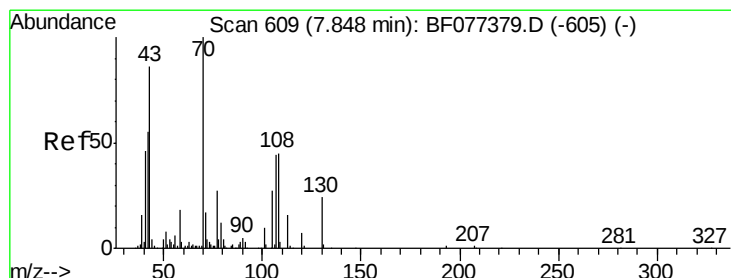
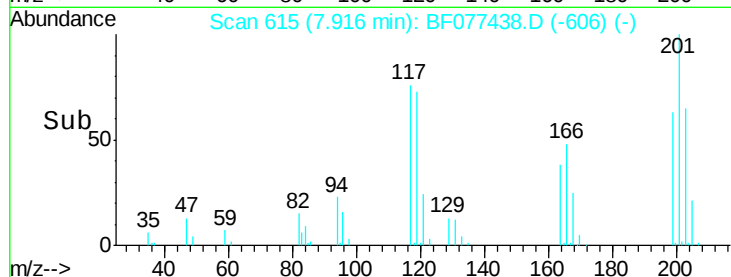
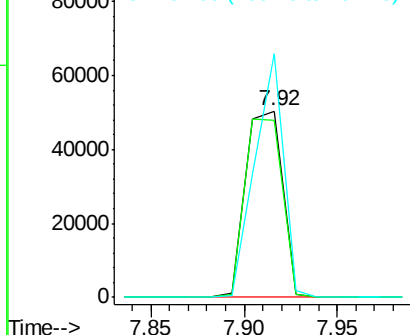
#18
Hexachloroethane
Concen: 35.52 ng
RT: 7.92 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

Tgt Ion: 117 Resp: 68799
Ion Ratio Lower Upper
117 100
119 95.3 77.8 116.8
201 130.7 90.6 136.0



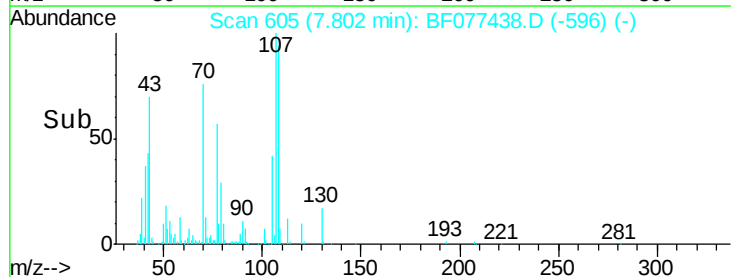
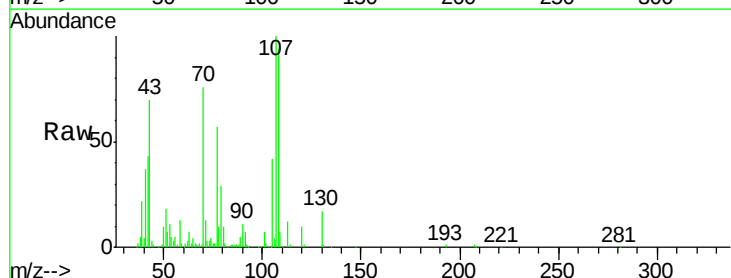
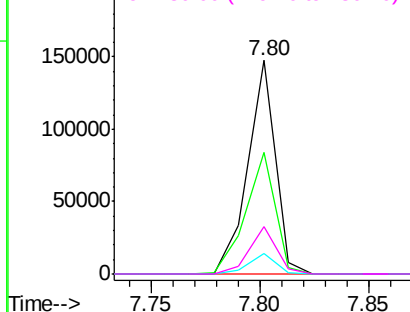
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

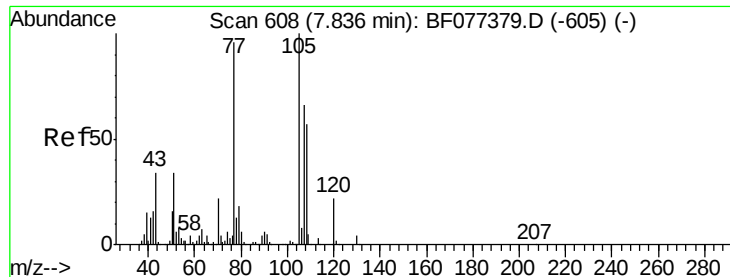


#19
n-Nitroso-di-n-propylamine
Concen: 35.78 ng
RT: 7.80 min Scan# 605
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion: 70 Resp: 129642
Ion Ratio Lower Upper
70 100
42 56.7 48.3 72.5
101 9.7 7.5 11.3
130 22.4 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

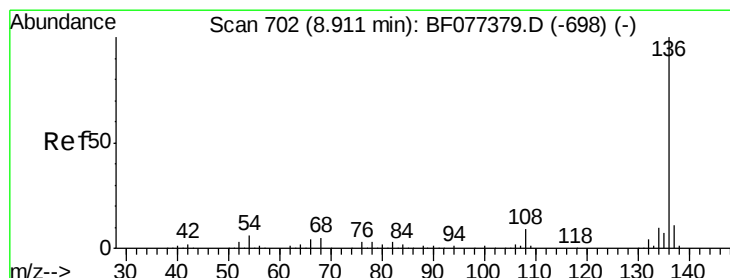
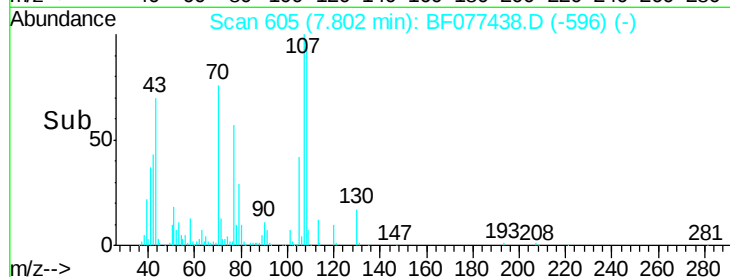
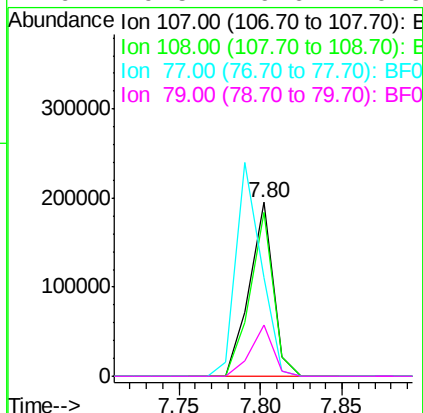
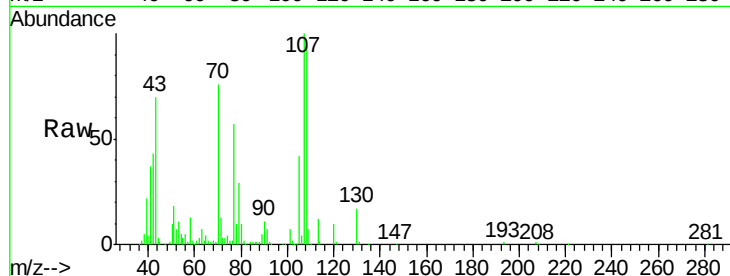




#20
3+4-Methylphenols
Concen: 36.83 ng
RT: 7.80 min Scan# 605
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

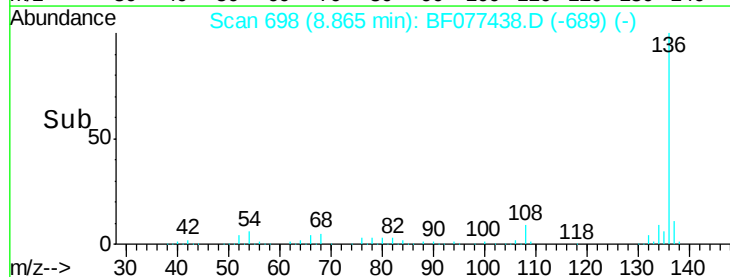
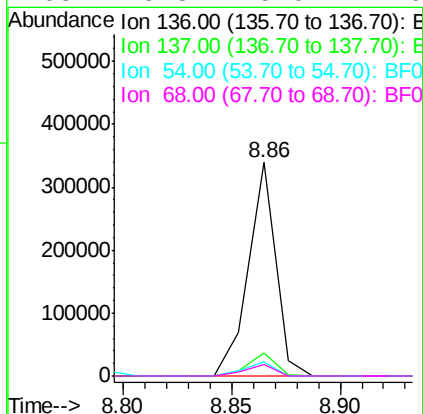
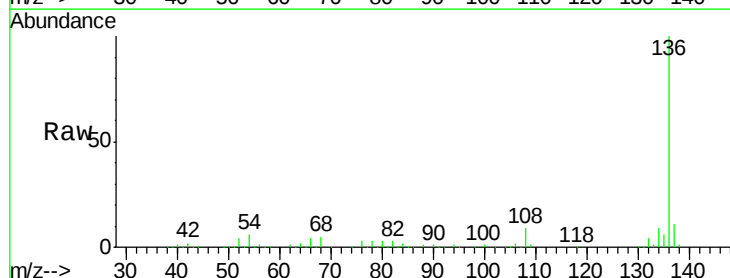
Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

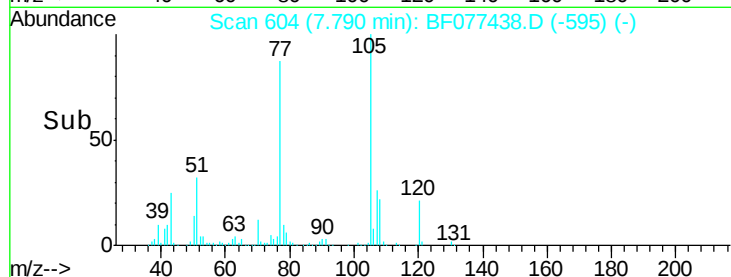
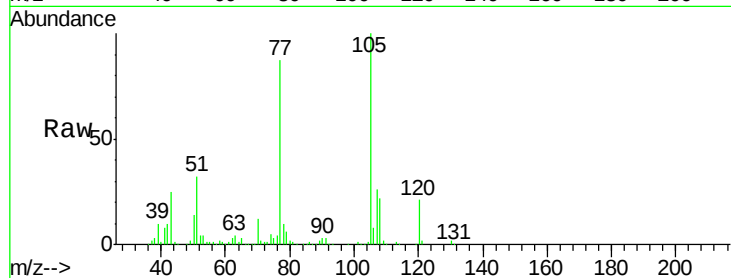
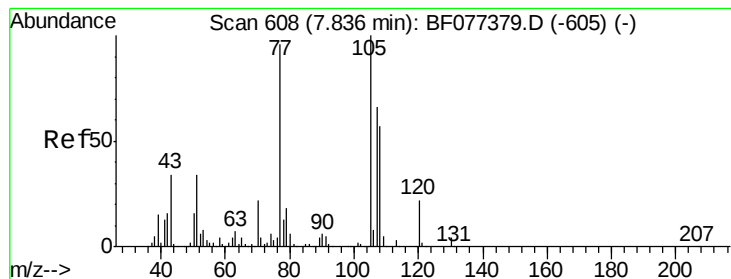
Tgt Ion:107 Resp: 198525
Ion Ratio Lower Upper
107 100
108 94.1 76.8 116.8
77 56.7 65.8 105.8#
79 29.5 9.6 49.6



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.86 min Scan# 698
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion:136 Resp: 296922
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 6.5 6.2 9.4
68 5.3 5.0 7.6





#22

Acetophenone

Concen: 36.66 ng

RT: 7.79 min Scan# 604

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

Tgt Ion: 105 Resp: 256022

Ion Ratio Lower Upper

105 100

71 2.1 1.7 2.5

51 31.7 30.7 46.1

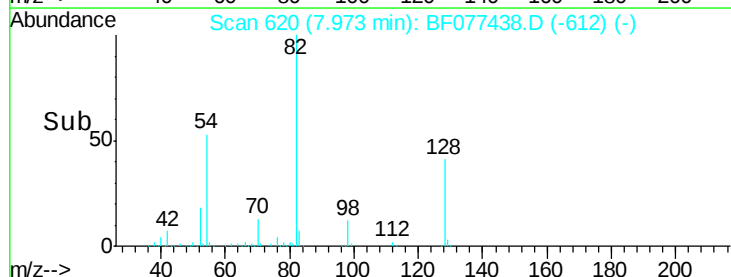
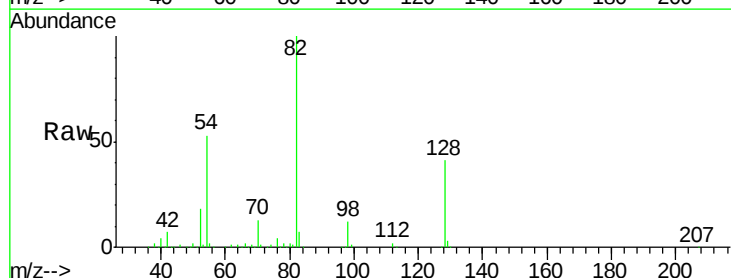
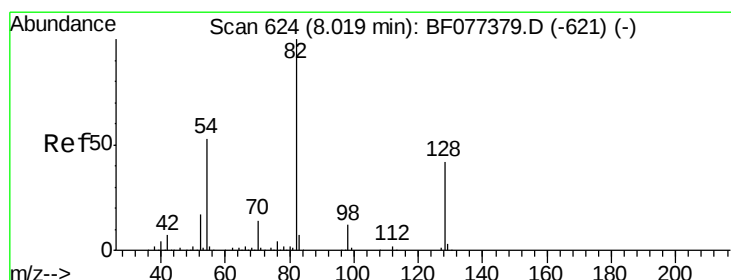
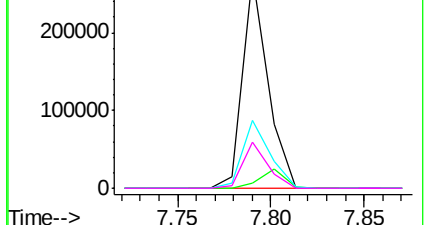
120 21.3 16.7 25.1

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: 65.05 ng

RT: 7.97 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Tgt Ion: 82 Resp: 310590

Ion Ratio Lower Upper

82 100

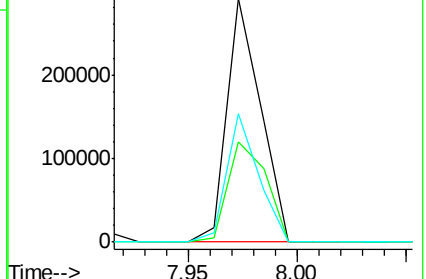
128 41.1 43.8 65.8#

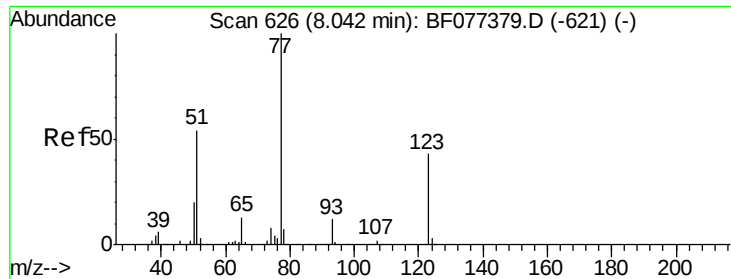
54 52.6 36.7 55.1

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: 36.54 ng

RT: 8.00 min Scan# 622

Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

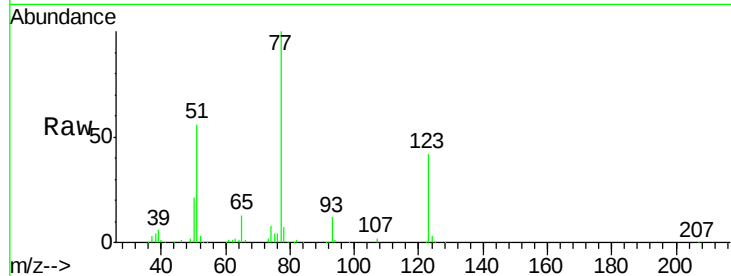
Tgt Ion: 77 Resp: 183564

Ion Ratio Lower Upper

77 100

123 41.7 45.9 68.9#

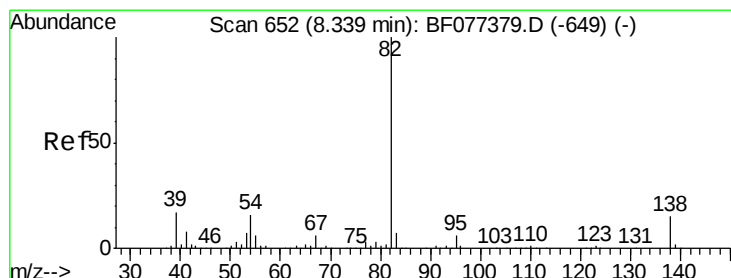
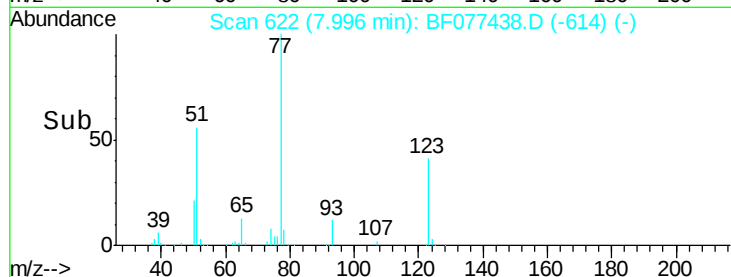
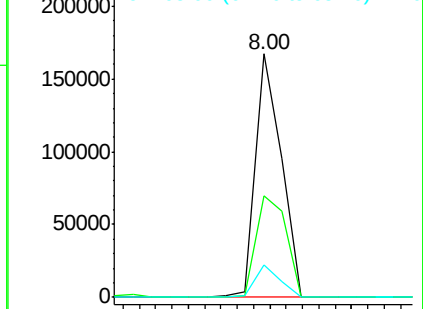
65 13.4 9.5 14.3



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: 35.29 ng

RT: 8.30 min Scan# 649

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

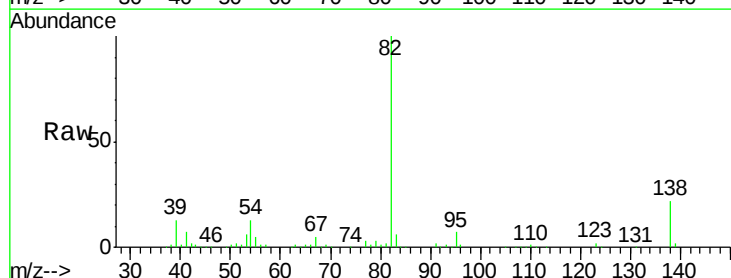
Tgt Ion: 82 Resp: 334266

Ion Ratio Lower Upper

82 100

95 7.4 5.4 8.2

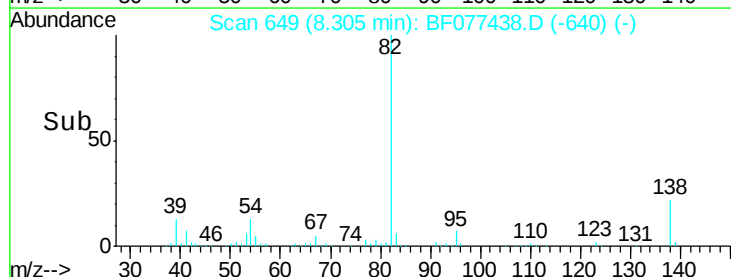
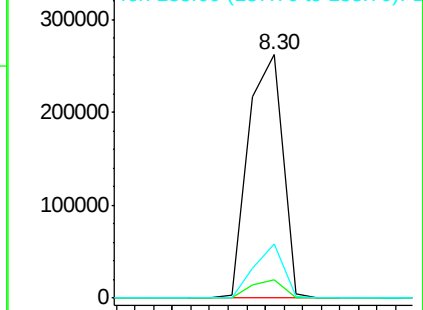
138 22.4 16.3 24.5

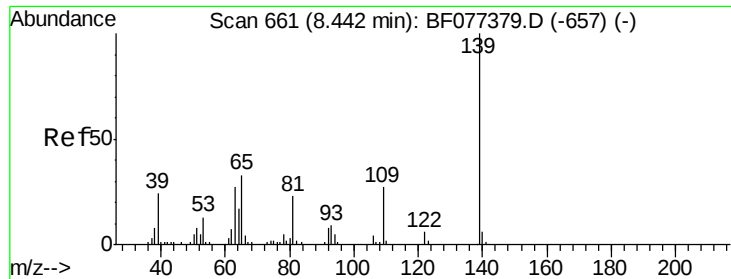


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

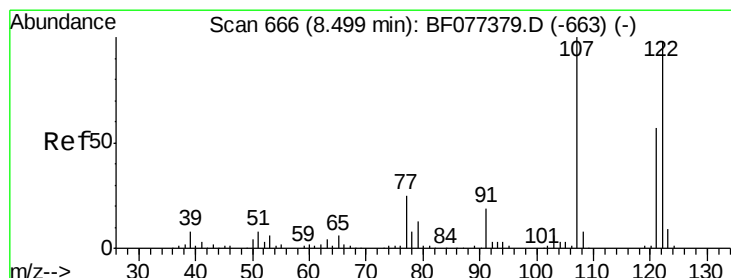
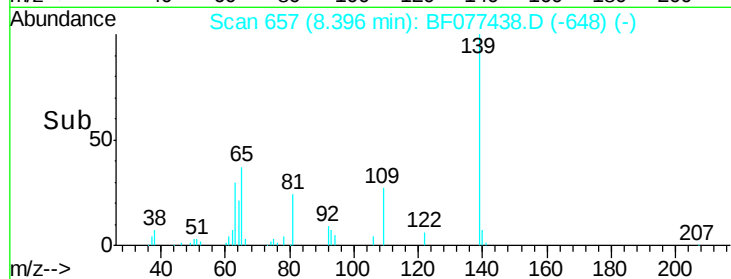
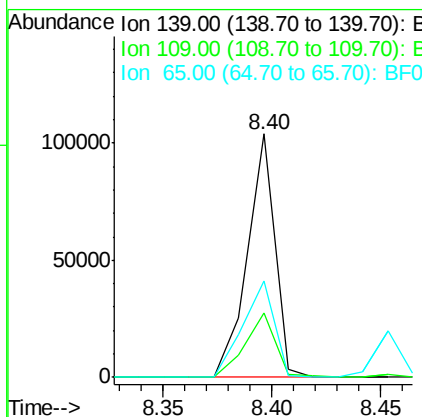
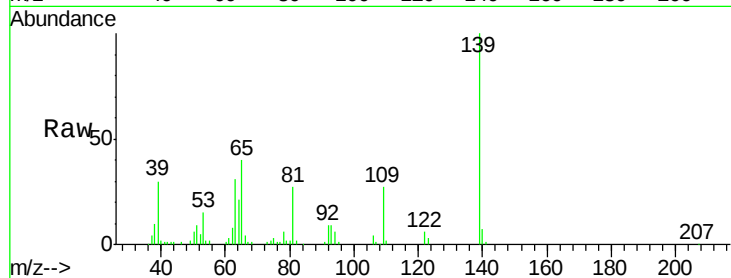




#26
2-Nitrophenol
Concen: 44.29 ng
RT: 8.40 min Scan# 657
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

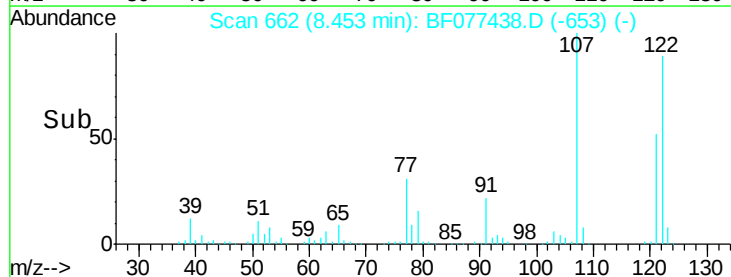
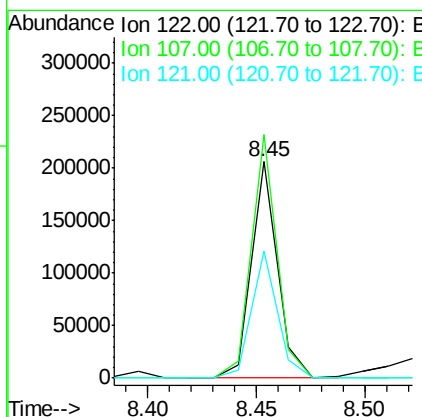
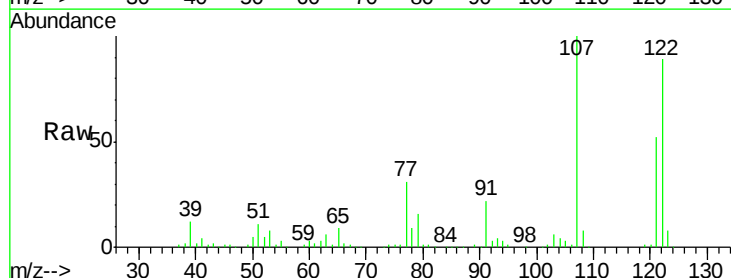
Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

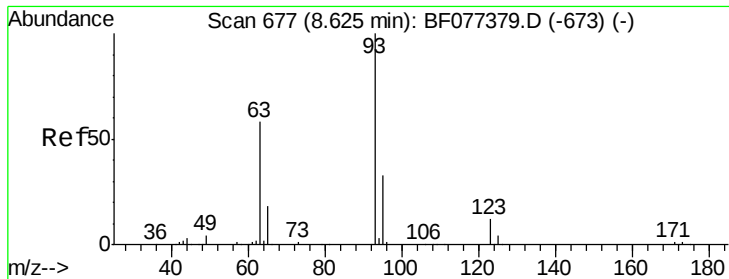
Tgt Ion:139 Resp: 91199
Ion Ratio Lower Upper
139 100
109 26.5 22.6 34.0
65 39.5 36.4 54.6



#27
2,4-Dimethylphenol
Concen: 37.43 ng
RT: 8.45 min Scan# 662
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion:122 Resp: 172415
Ion Ratio Lower Upper
122 100
107 112.5 86.6 130.0
121 58.7 47.4 71.0

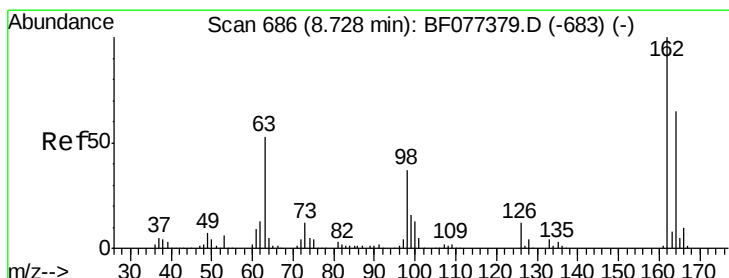
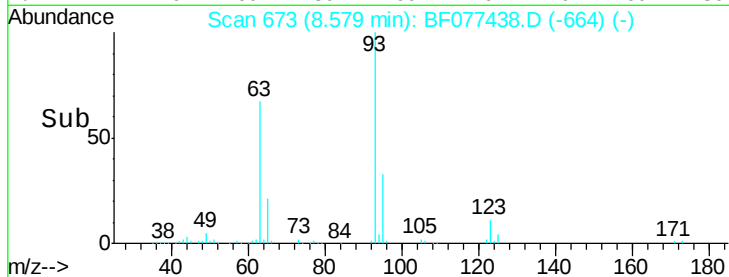
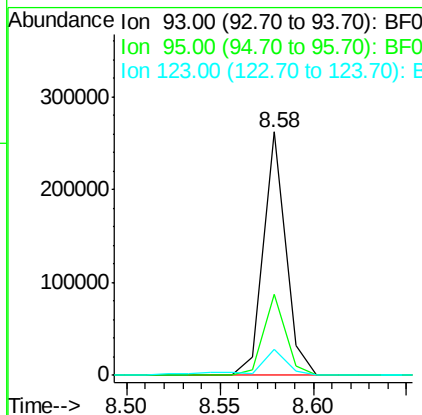
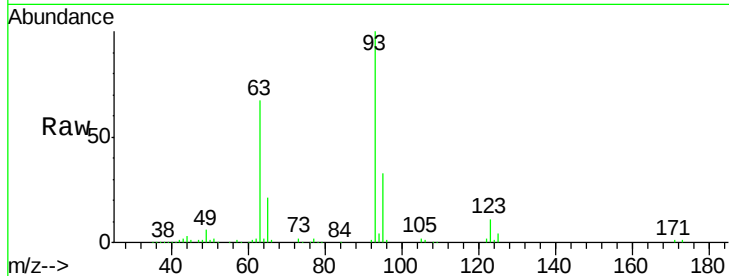




#28
bis(2-Chloroethoxy)methane
Concen: 36.03 ng
RT: 8.58 min Scan# 673
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

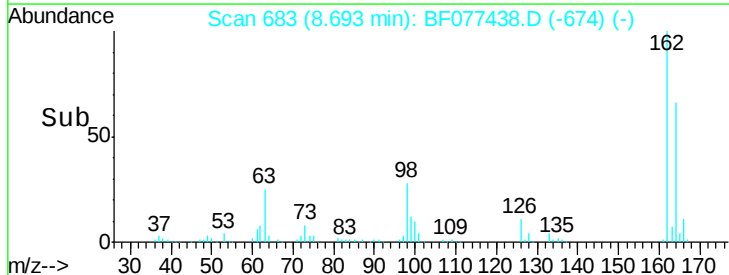
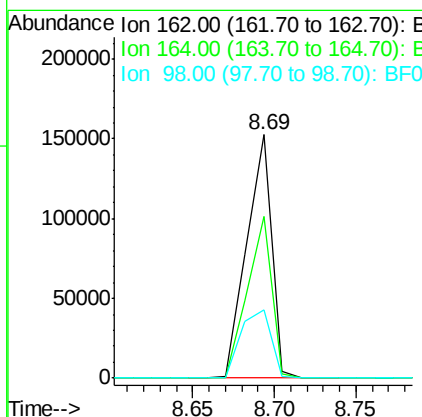
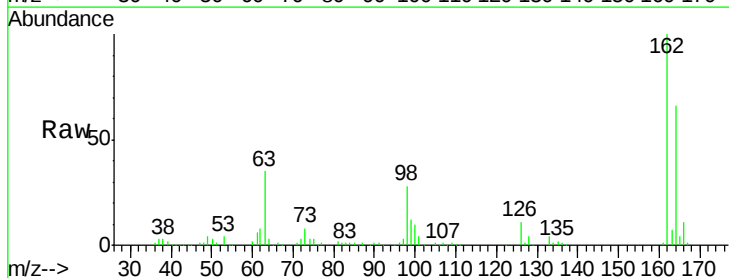
Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

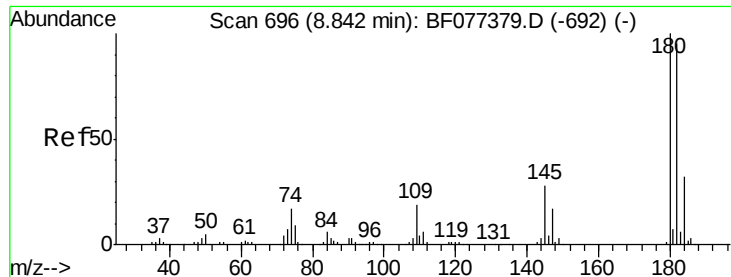
Tgt Ion: 93 Resp: 215609
Ion Ratio Lower Upper
93 100
95 33.2 26.4 39.6
123 10.9 8.7 13.1



#29
2,4-Dichlorophenol
Concen: 37.39 ng
RT: 8.69 min Scan# 683
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion: 162 Resp: 161683
Ion Ratio Lower Upper
162 100
164 66.5 46.4 86.4
98 28.0 6.9 46.9

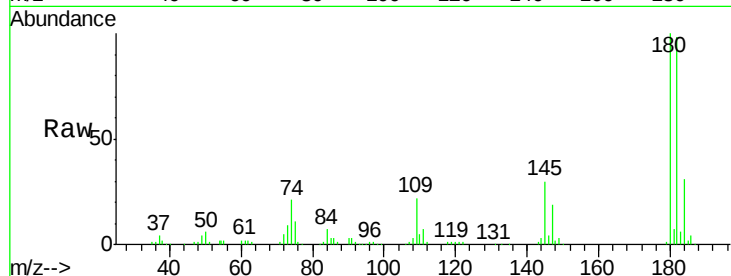




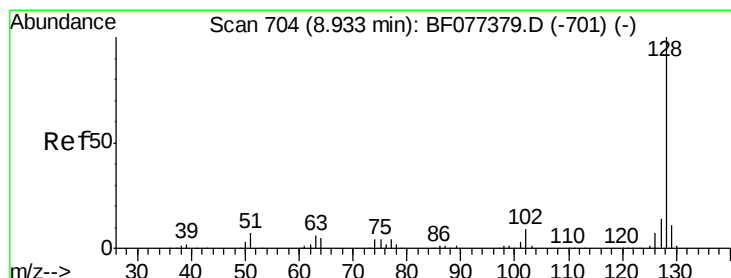
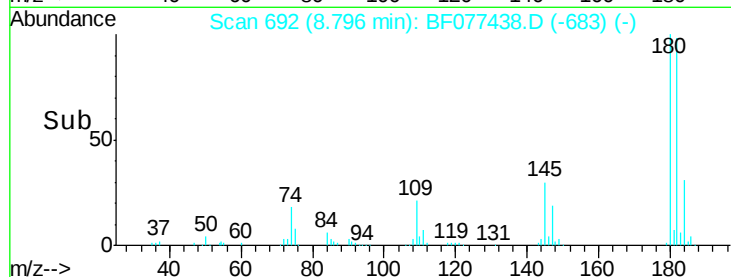
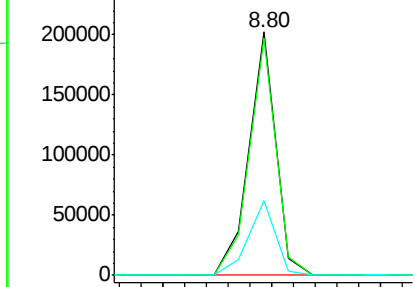
#30
 1,2,4-Trichlorobenzene
 Concen: 36.56 ng
 RT: 8.80 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

Tgt Ion:180 Resp: 173812
 Ion Ratio Lower Upper
 180 100
 182 97.7 76.2 114.4
 145 30.5 24.5 36.7

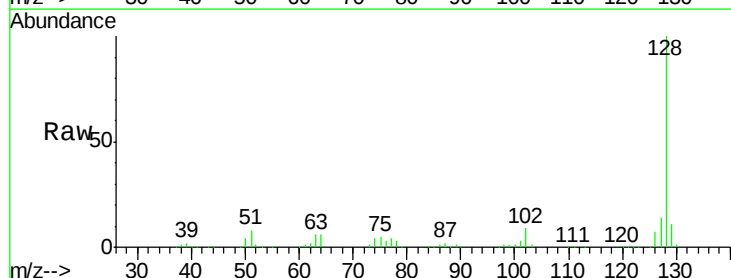


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

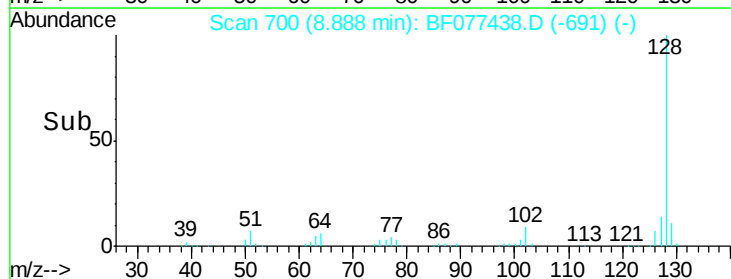
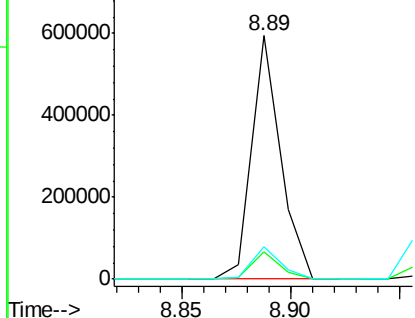


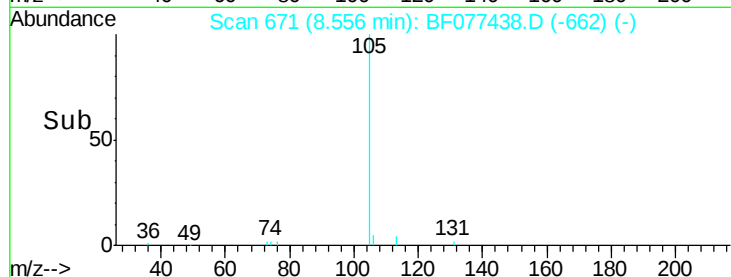
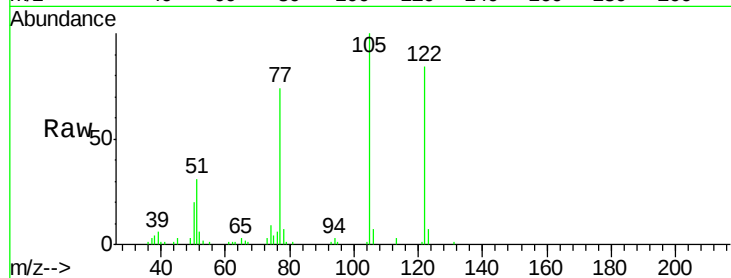
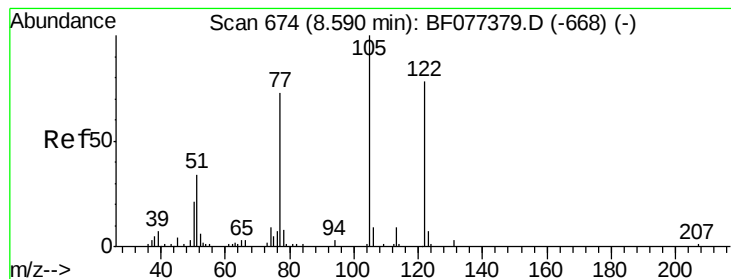
#31
 Naphthalene
 Concen: 36.97 ng
 RT: 8.89 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Tgt Ion:128 Resp: 548941
 Ion Ratio Lower Upper
 128 100
 129 11.4 9.4 14.0
 127 13.5 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





#32

Benzoic acid

Concen: 43.48 ng

RT: 8.56 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

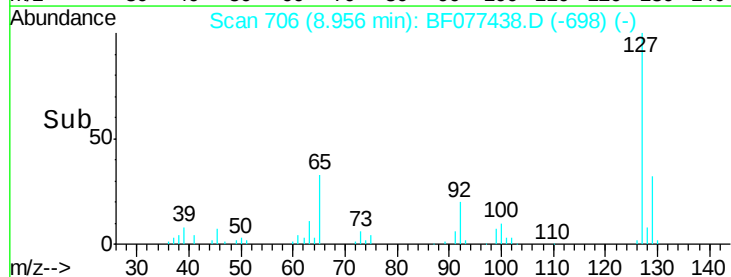
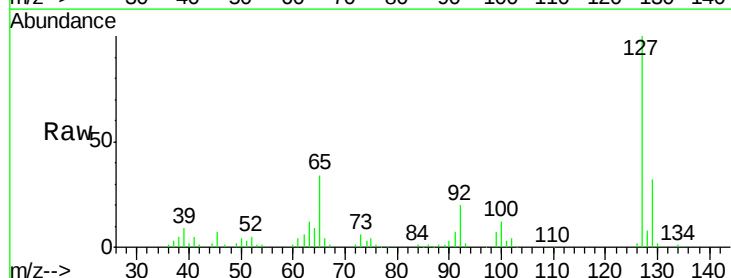
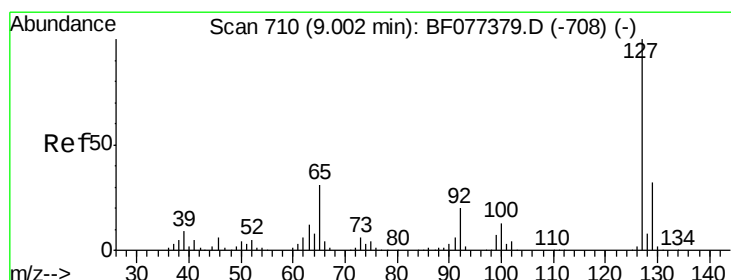
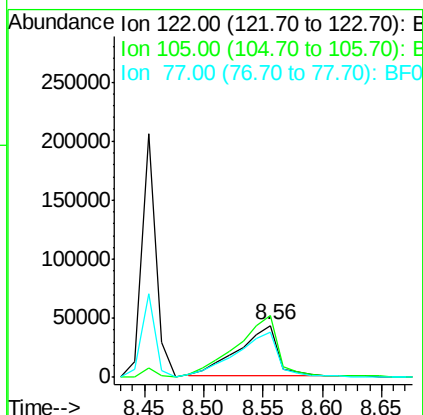
Tgt Ion:122 Resp: 97327

Ion Ratio Lower Upper

122 100

105 118.8 100.3 140.3

77 87.7 68.7 108.7



#33

4-Chloroaniline

Concen: 16.71 ng

RT: 8.96 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Tgt Ion:127 Resp: 110337

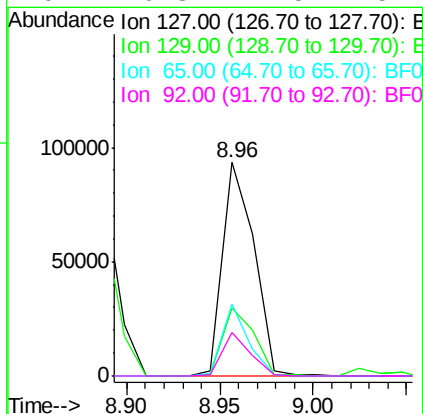
Ion Ratio Lower Upper

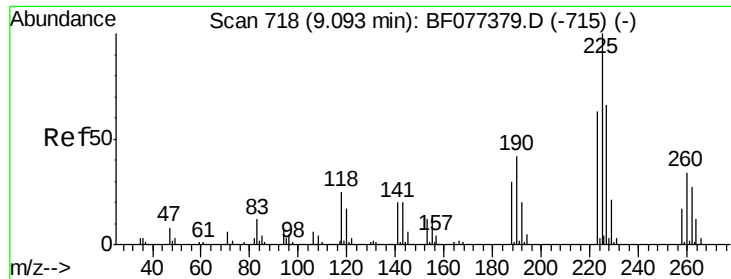
127 100

129 32.0 26.9 40.3

65 33.7 16.7 25.1#

92 20.3 12.5 18.7#





#34

Hexachlorobutadiene

Concen: 36.36 ng

RT: 9.05 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

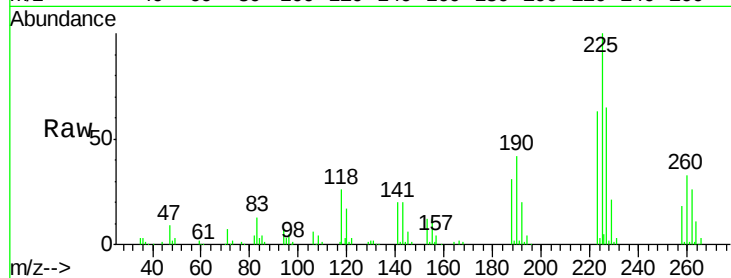
Tgt Ion:225 Resp: 98693

Ion Ratio Lower Upper

225 100

223 62.6 49.5 74.3

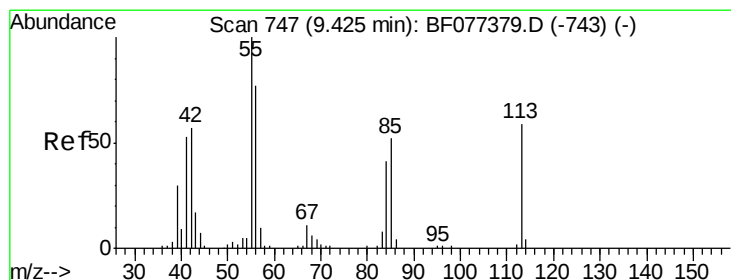
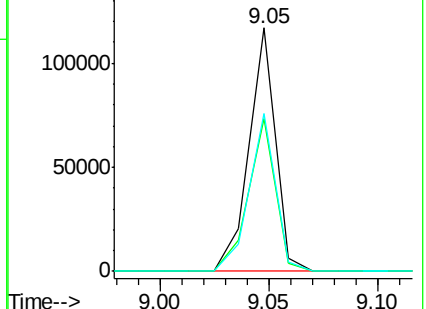
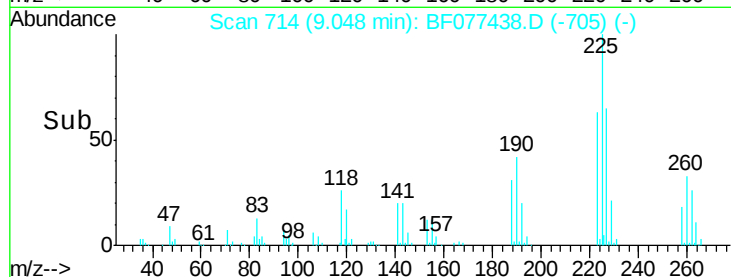
227 64.7 50.5 75.7



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: 37.51 ng

RT: 9.38 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

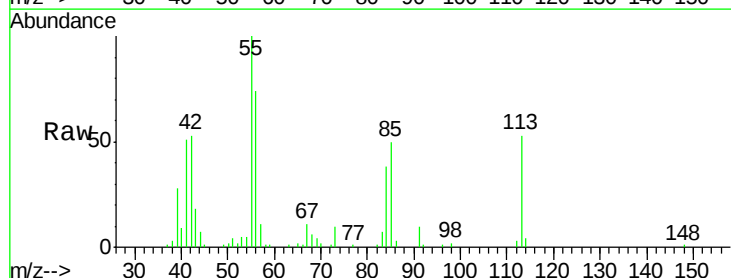
Tgt Ion:113 Resp: 49521

Ion Ratio Lower Upper

113 100

55 188.1 154.6 194.6

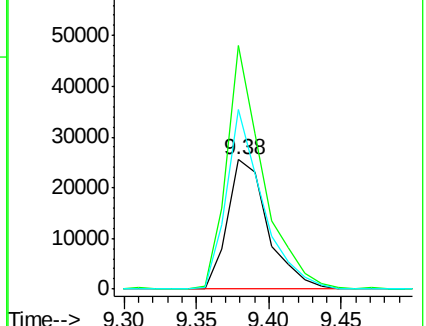
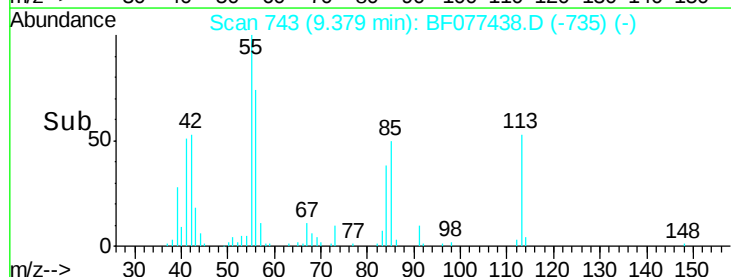
56 138.4 114.0 154.0

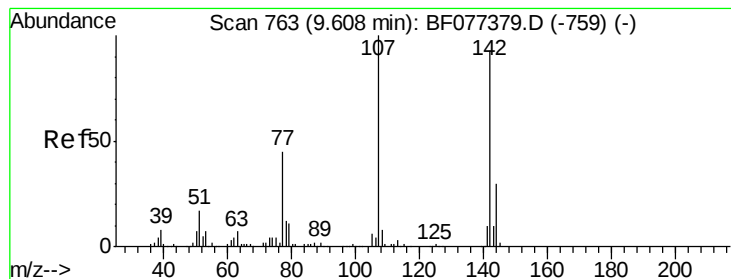


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#36

4-Chloro-3-methylphenol

Concen: 36.42 ng

RT: 9.56 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

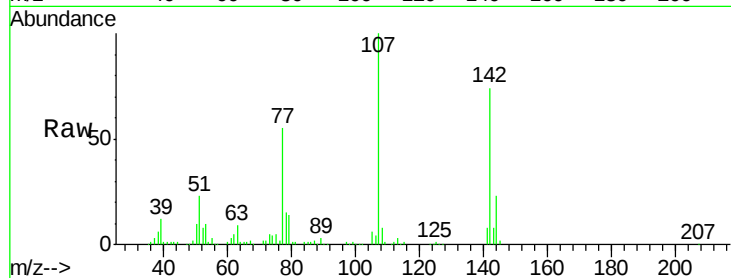
Tgt Ion:107 Resp: 158309

Ion Ratio Lower Upper

107 100

144 23.3 21.1 31.7

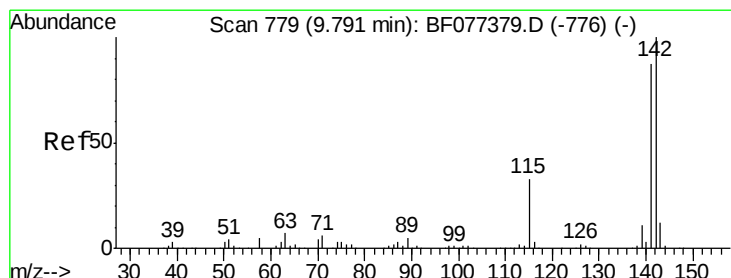
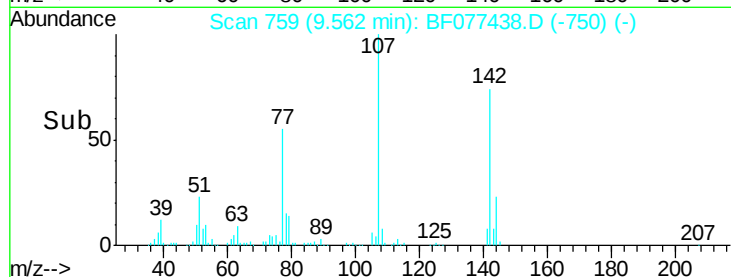
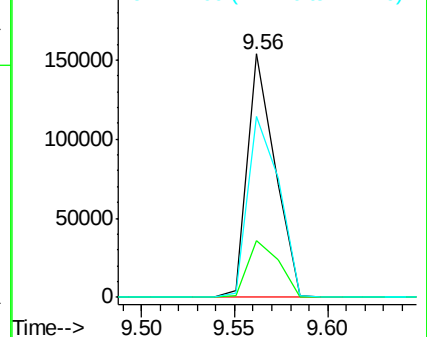
142 74.3 65.3 97.9



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 35.26 ng

RT: 9.74 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

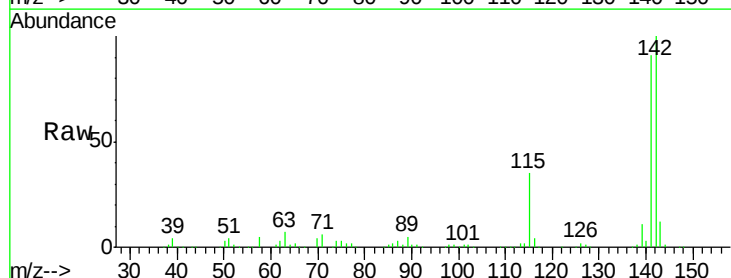
Tgt Ion:142 Resp: 371839

Ion Ratio Lower Upper

142 100

141 90.8 70.7 106.1

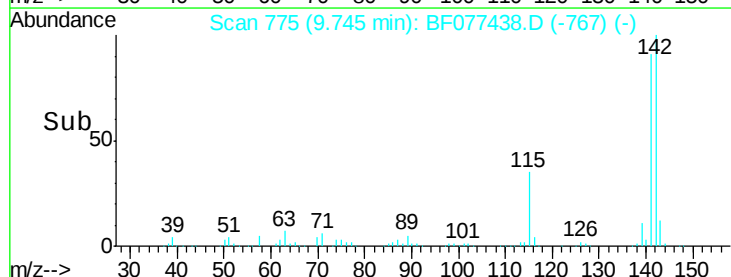
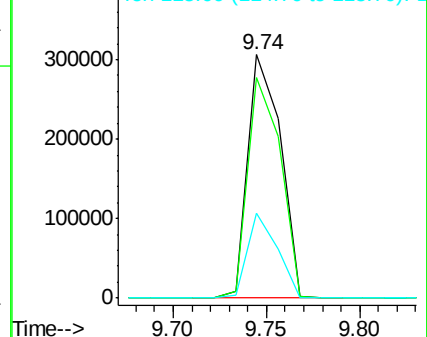
115 34.8 24.2 36.4

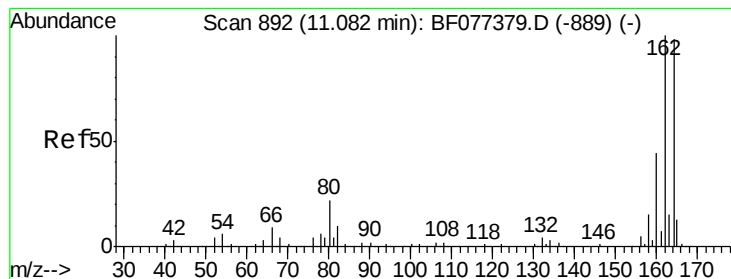


Abundance Ion 142.00 (141.70 to 142.70): E

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: 11.04 min Scan# 888

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

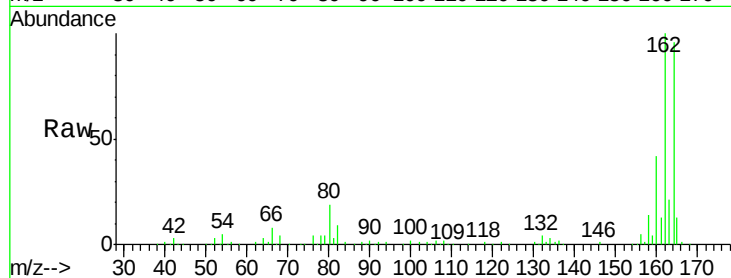
Tgt Ion:164 Resp: 148746

Ion Ratio Lower Upper

164 100

162 104.2 83.2 124.8

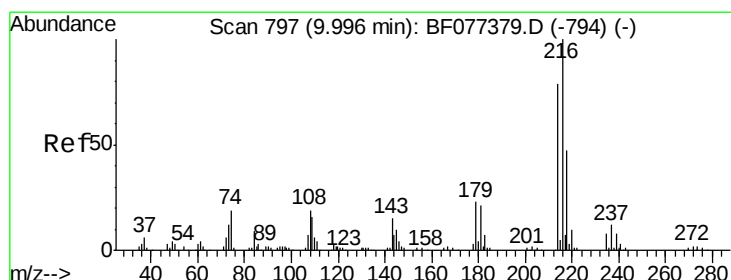
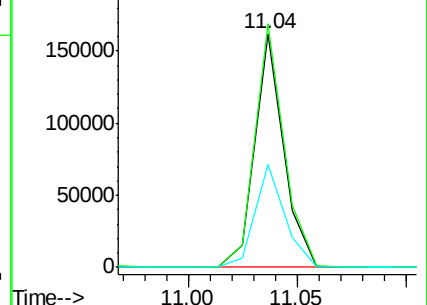
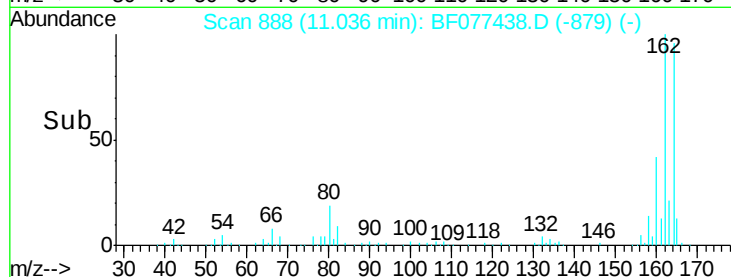
160 44.1 34.6 52.0



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: 39.58 ng

RT: 9.95 min Scan# 793

Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Tgt Ion:216 Resp: 168932

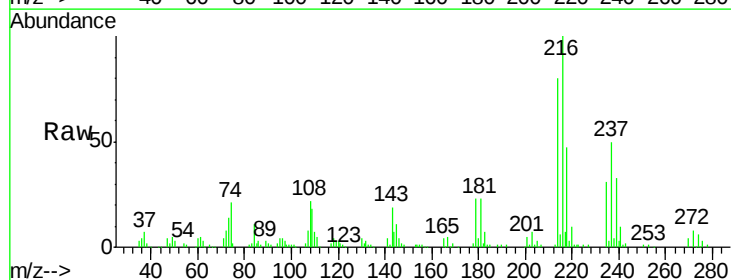
Ion Ratio Lower Upper

216 100

214 78.7 63.4 95.0

179 21.2 16.6 25.0

108 20.9 14.2 21.4

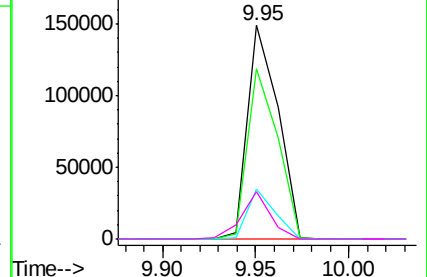
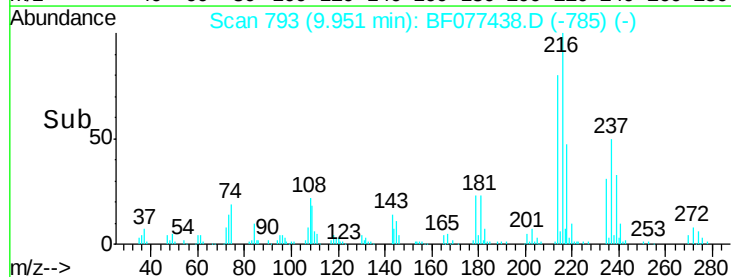


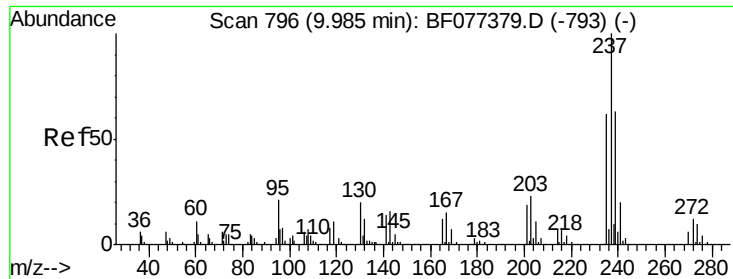
Abundance Ion 216.00 (215.70 to 216.70): E

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

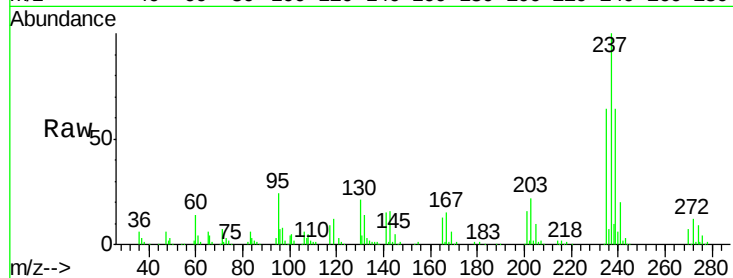




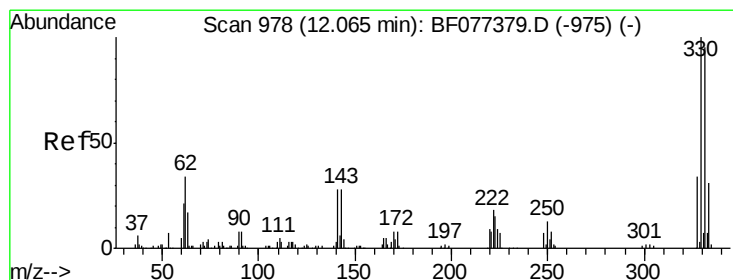
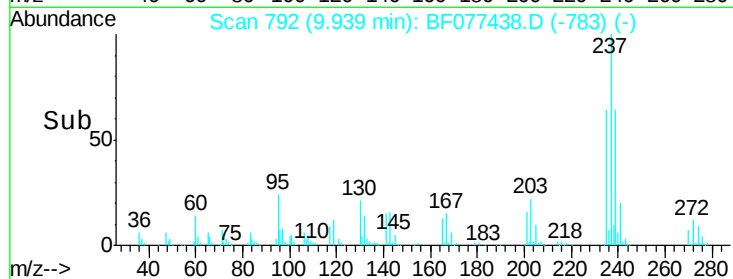
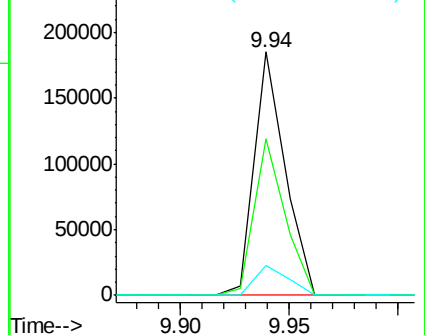
#40
Hexachlorocyclopentadiene
Concen: 79.87 ng
RT: 9.94 min Scan# 792
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

Tgt Ion: 237 Resp: 182775
Ion Ratio Lower Upper
237 100
235 64.5 41.0 81.0
272 12.4 0.0 34.3

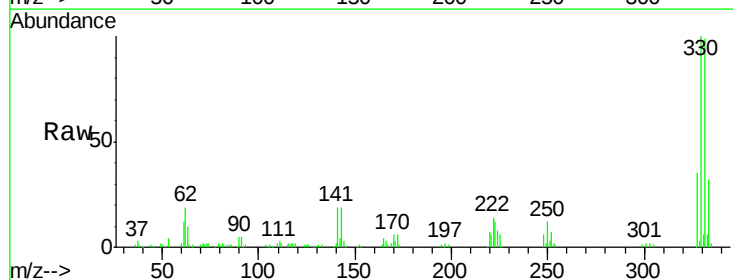


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

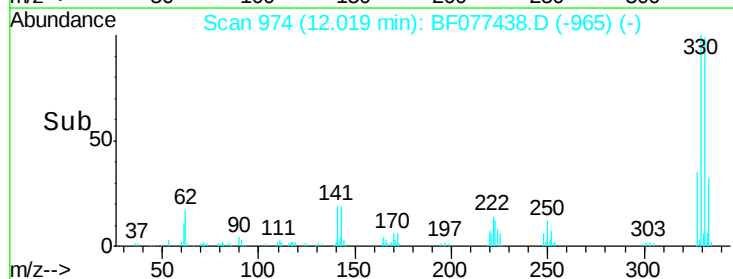
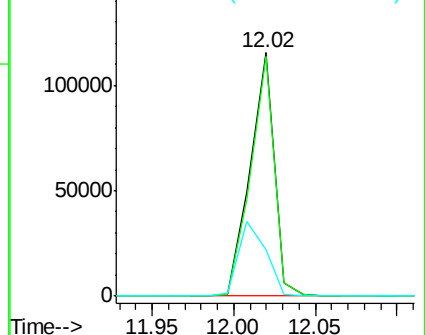


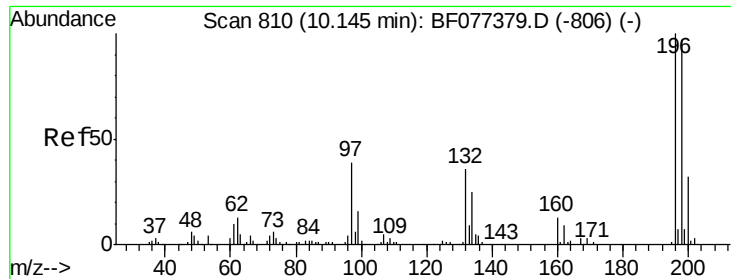
#41
2,4,6-Tribromophenol
Concen: 82.73 ng
RT: 12.02 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion: 330 Resp: 118487
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.2
141 34.5 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

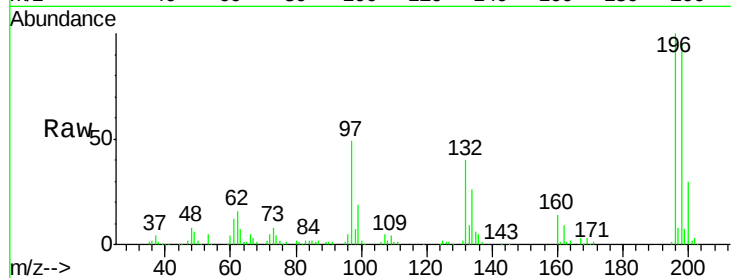




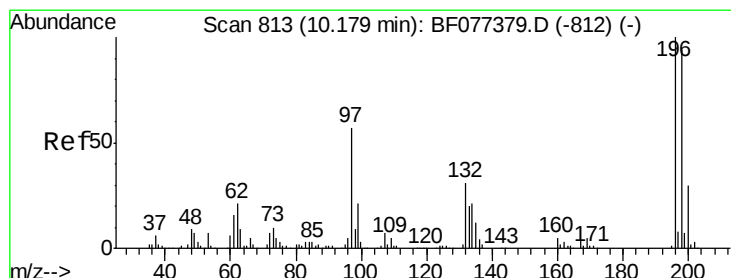
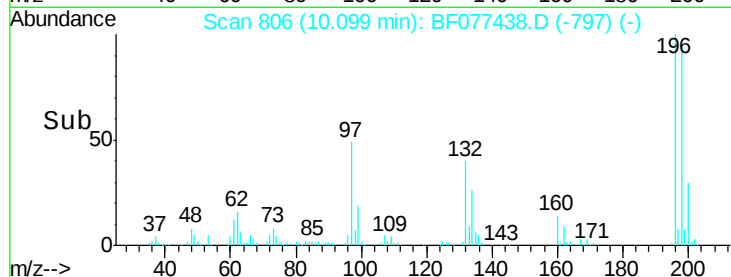
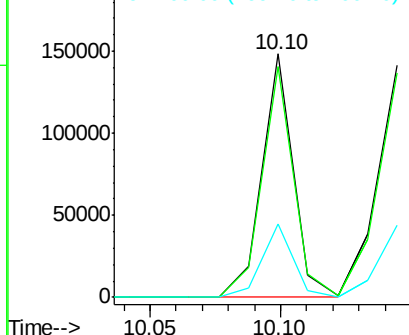
#42
 2,4,6-Trichlorophenol
 Concen: 44.07 ng
 RT: 10.10 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

Tgt Ion:196 Resp: 124573
 Ion Ratio Lower Upper
 196 100
 198 94.7 75.8 113.8
 200 30.0 24.2 36.4



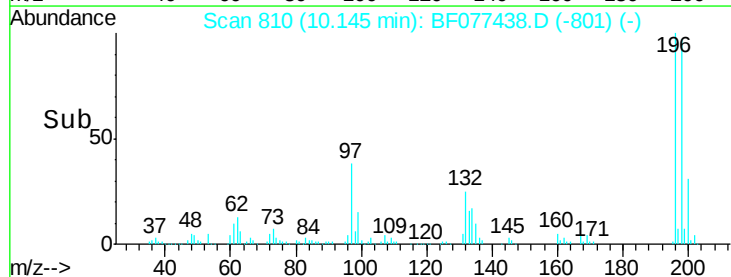
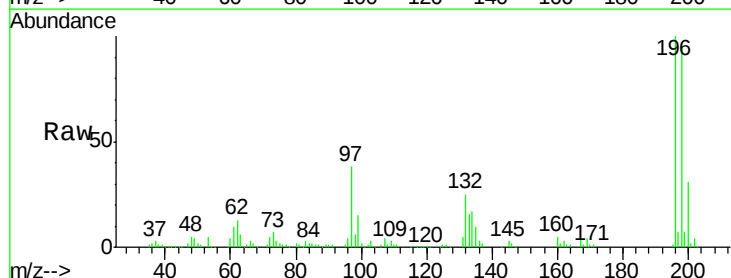
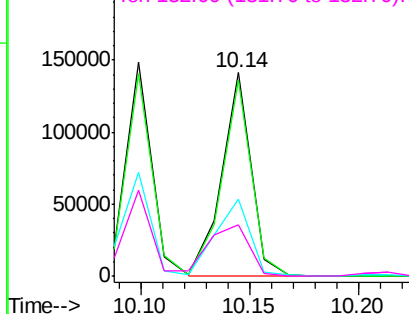
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

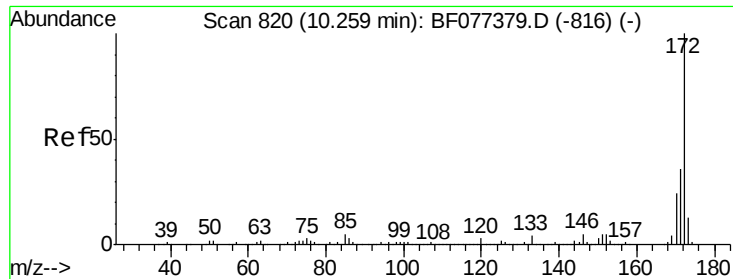


#43
 2,4,5-Trichlorophenol
 Concen: 43.73 ng
 RT: 10.14 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Tgt Ion:196 Resp: 132155
 Ion Ratio Lower Upper
 196 100
 198 96.6 77.2 115.8
 97 37.9 27.7 41.5
 132 25.0 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

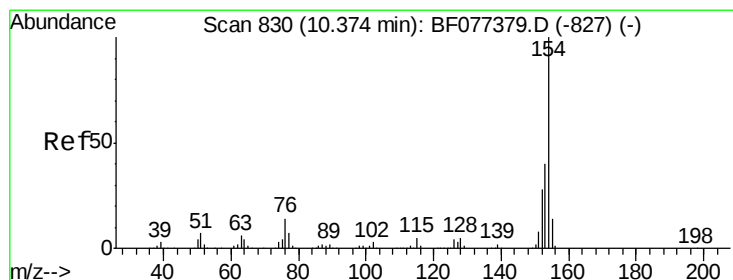
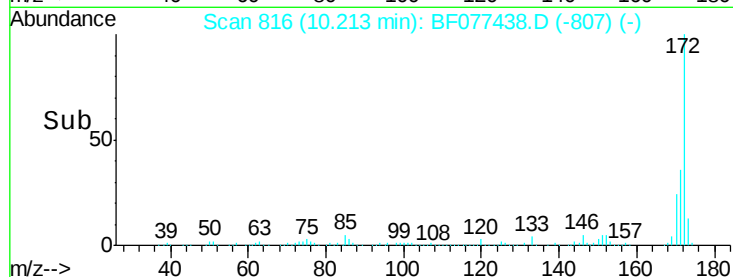
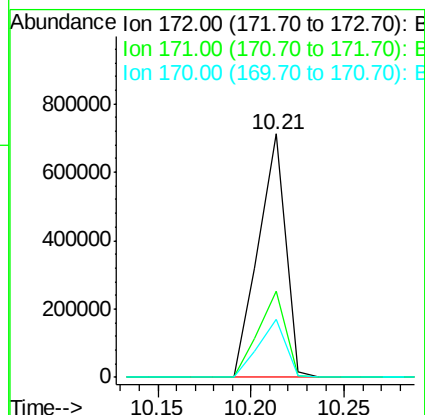
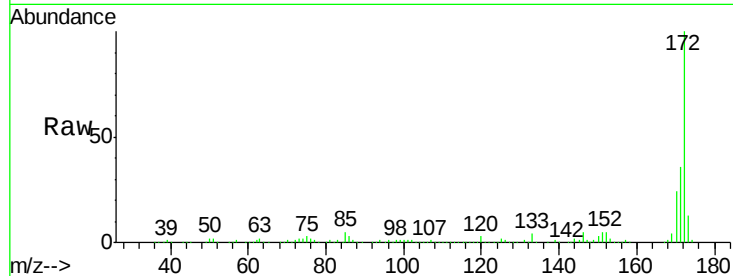




#44
 2-Fluorobiphenyl
 Concen: 75.34 ng
 RT: 10.21 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

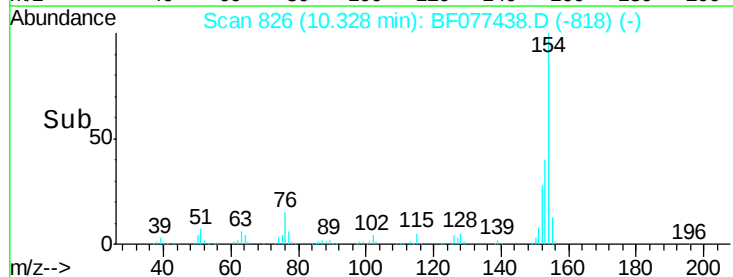
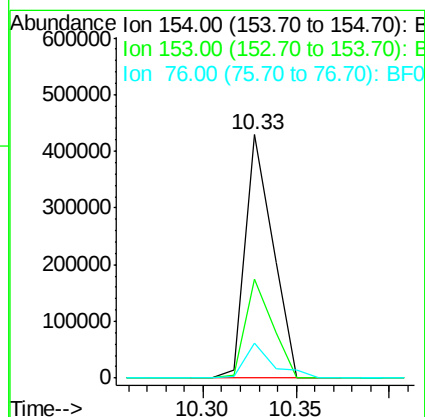
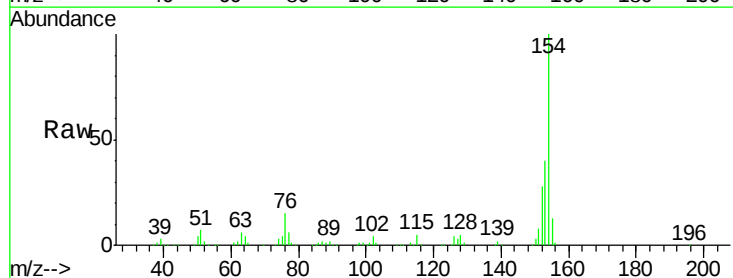
Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

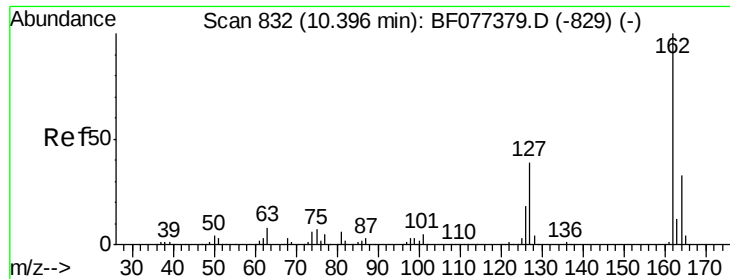
Tgt Ion:172 Resp: 718754
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.9 43.3
 170 23.6 19.4 29.2



#45
 1,1'-Biphenyl
 Concen: 39.46 ng
 RT: 10.33 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Tgt Ion:154 Resp: 444712
 Ion Ratio Lower Upper
 154 100
 153 40.4 20.2 60.2
 76 14.6 0.0 29.4

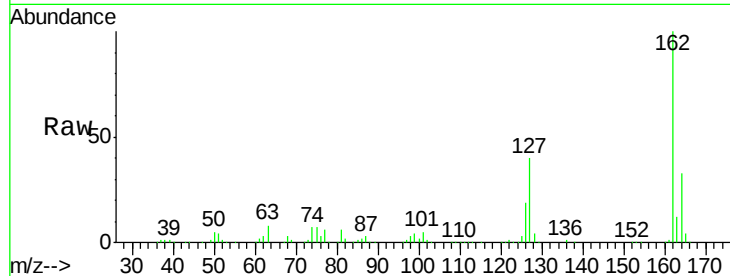




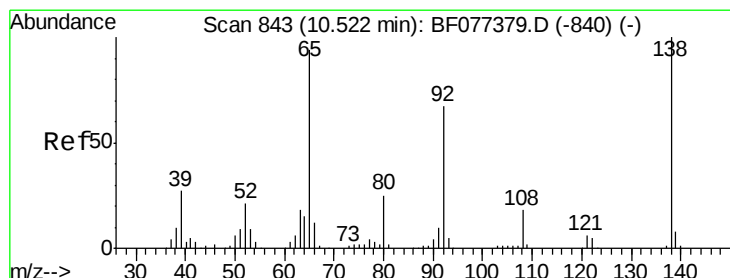
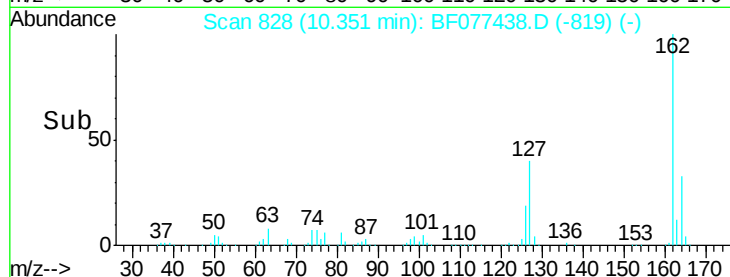
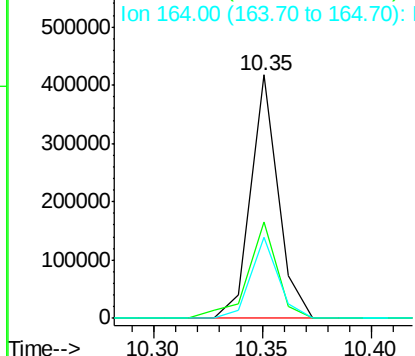
#46
 2-Chloronaphthalene
 Concen: 41.22 ng
 RT: 10.35 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

Tgt Ion: 162 Resp: 364326
 Ion Ratio Lower Upper
 162 100
 127 39.8 33.3 49.9
 164 33.3 26.2 39.4

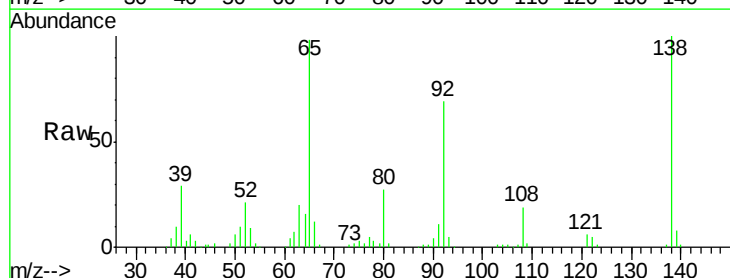


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

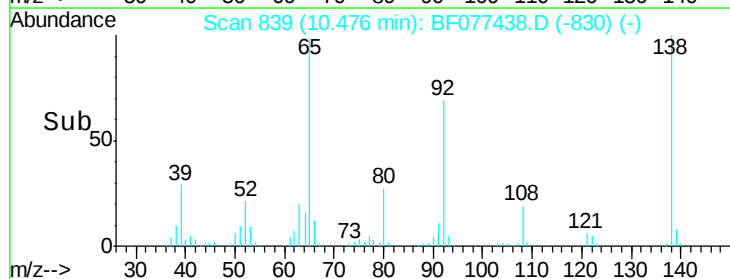
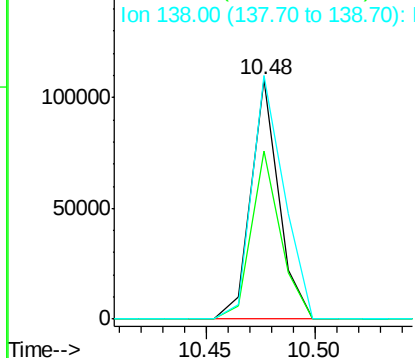


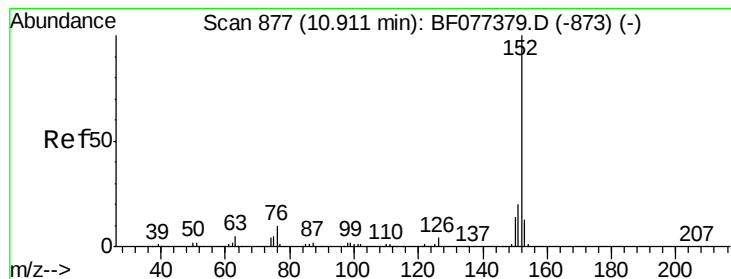
#47
 2-Nitroaniline
 Concen: 44.21 ng
 RT: 10.48 min Scan# 839
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Tgt Ion: 65 Resp: 96183
 Ion Ratio Lower Upper
 65 100
 92 69.9 52.4 78.6
 138 101.6 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: 42.67 ng

RT: 10.86 min Scan# 873

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

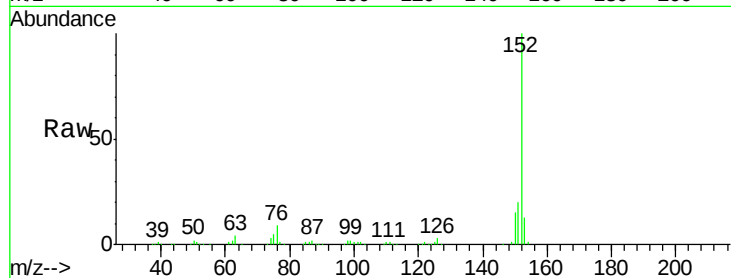
Tgt Ion:152 Resp: 597070

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

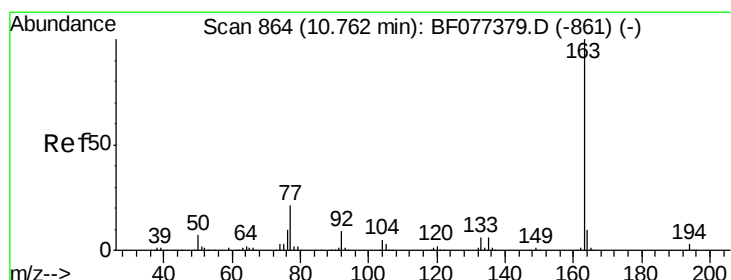
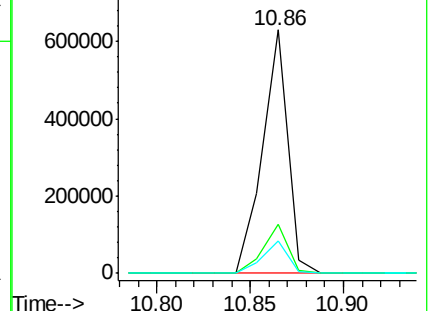
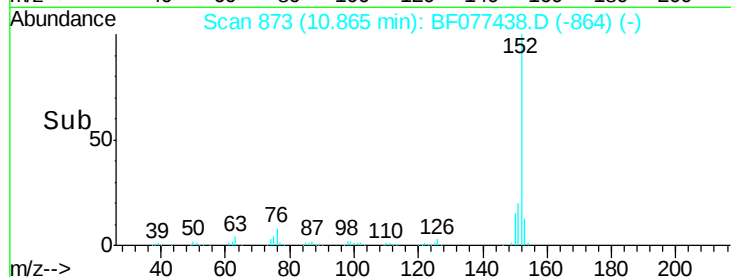
153 13.3 10.9 16.3



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: 40.27 ng

RT: 10.72 min Scan# 860

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

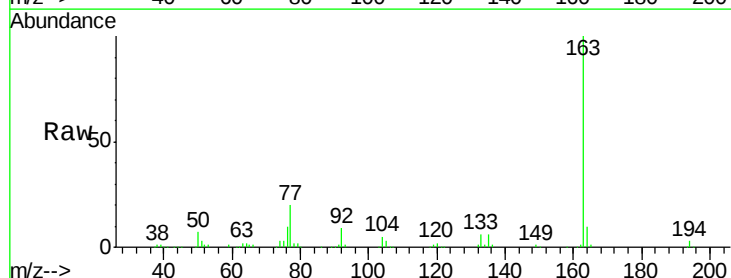
Tgt Ion:163 Resp: 421014

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

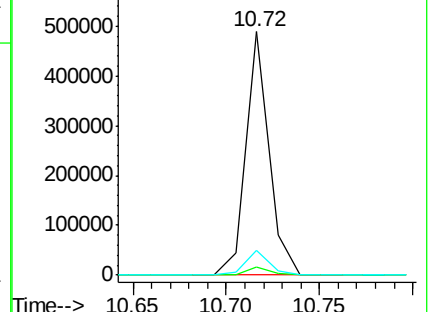
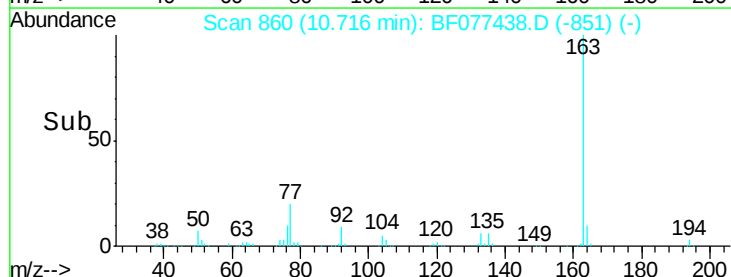
164 10.3 8.6 13.0

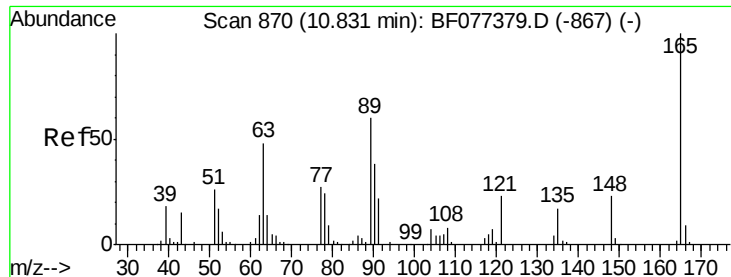


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

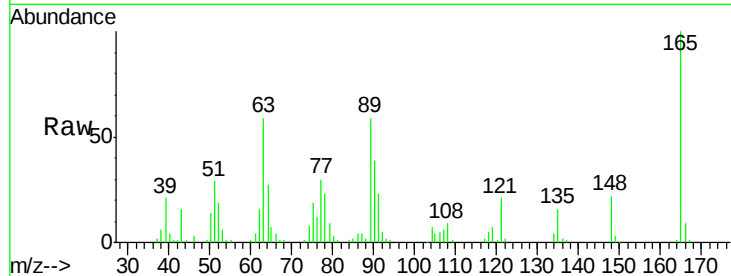




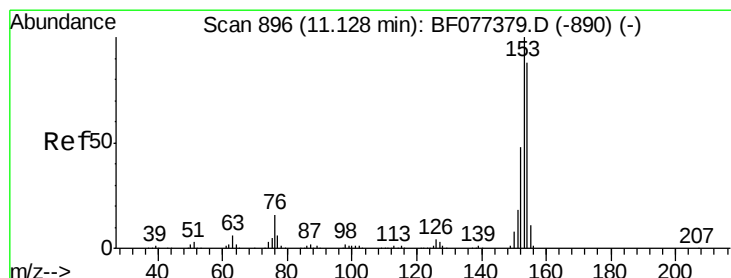
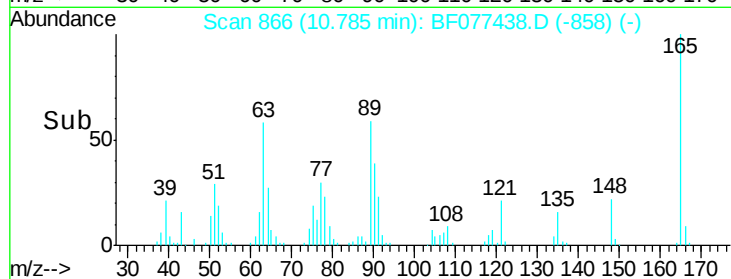
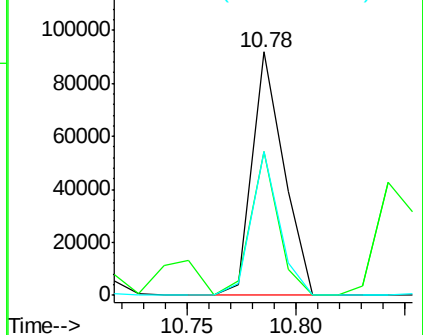
#50
 2,6-Dinitrotoluene
 Concen: 44.27 ng
 RT: 10.78 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

Tgt Ion:165 Resp: 92834
 Ion Ratio Lower Upper
 165 100
 63 58.9 25.2 37.8#
 89 59.0 30.5 45.7#

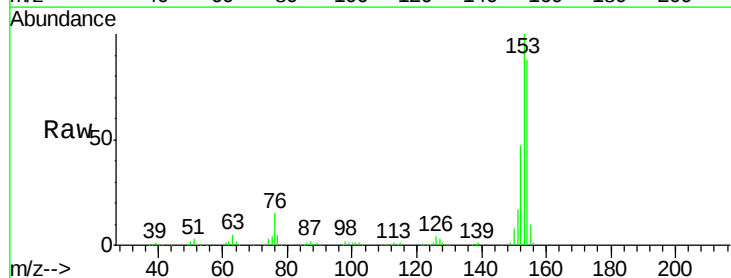


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

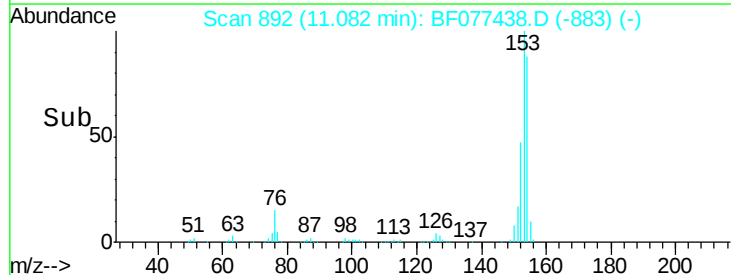
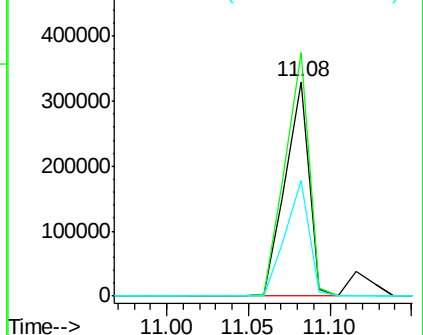


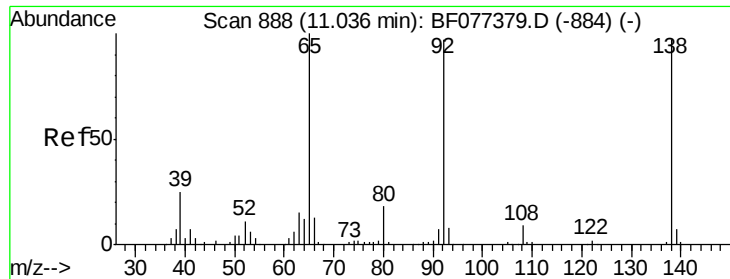
#51
 Acenaphthene
 Concen: 40.48 ng
 RT: 11.08 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Tgt Ion:154 Resp: 337963
 Ion Ratio Lower Upper
 154 100
 153 113.6 90.5 135.7
 152 53.9 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

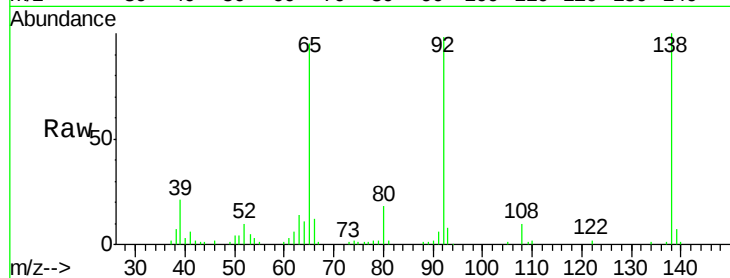




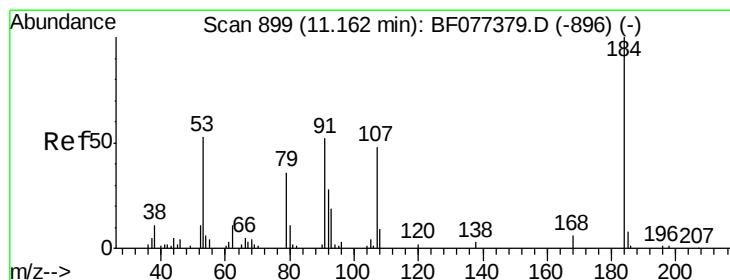
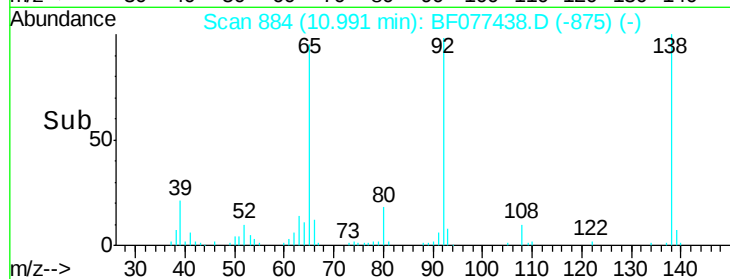
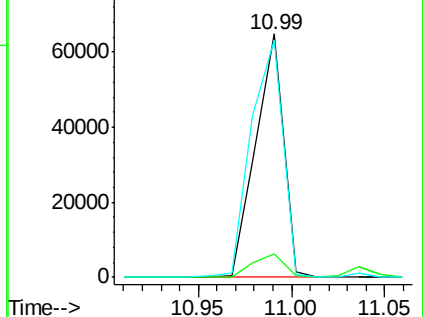
#52
3-Nitroaniline
Concen: 27.59 ng
RT: 10.99 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

Tgt Ion:138 Resp: 66702
Ion Ratio Lower Upper
138 100
108 9.7 7.8 11.8
92 97.5 90.6 135.8

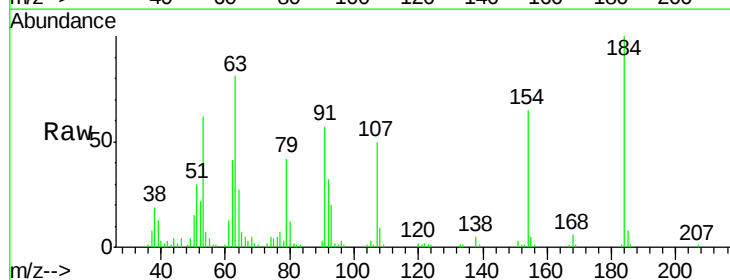


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

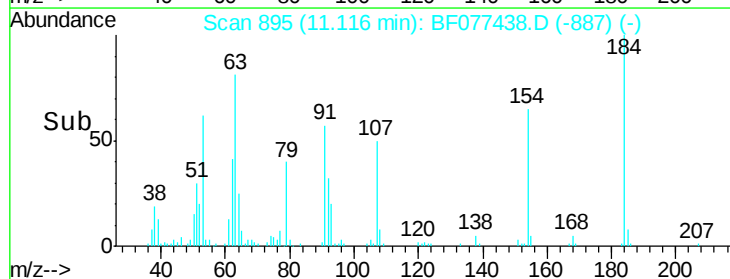
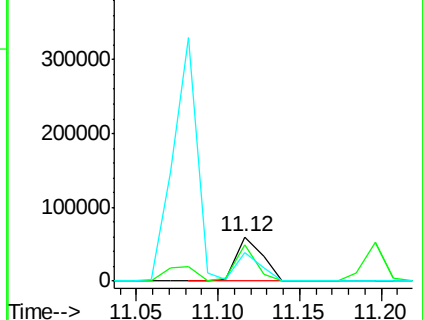


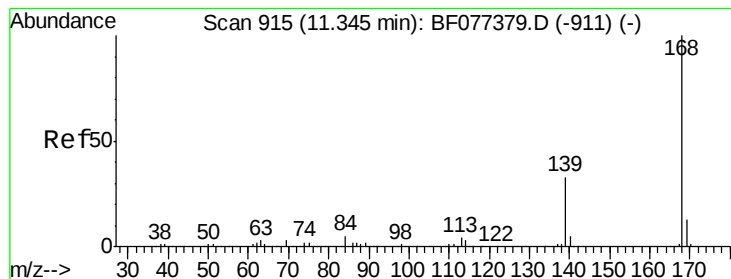
#53
2,4-Dinitrophenol
Concen: 105.13 ng
RT: 11.12 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion:184 Resp: 67076
Ion Ratio Lower Upper
184 100
63 81.0 29.5 44.3#
154 65.1 43.2 64.8#



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





#54

Dibenzenofuran

Concen: 40.34 ng

RT: 11.30 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

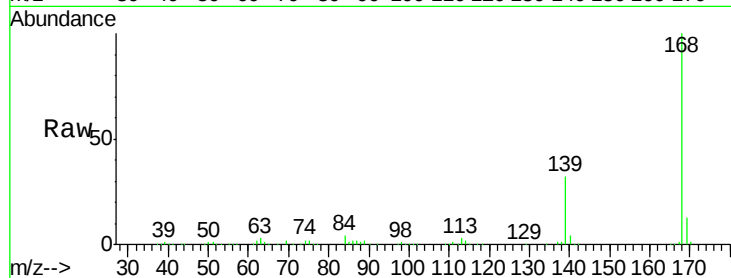
Tgt Ion:168 Resp: 520061

Ion Ratio Lower Upper

168 100

139 32.3 29.3 43.9

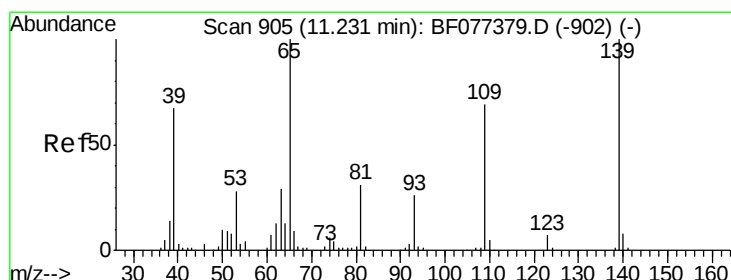
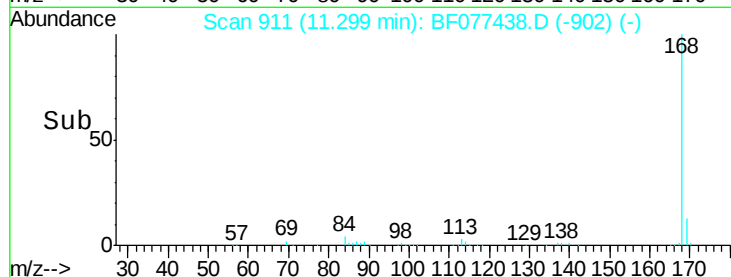
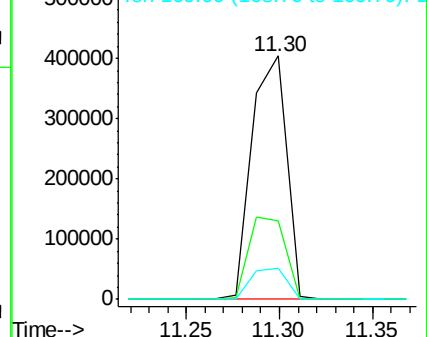
169 12.7 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 82.46 ng

RT: 11.20 min Scan# 902

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

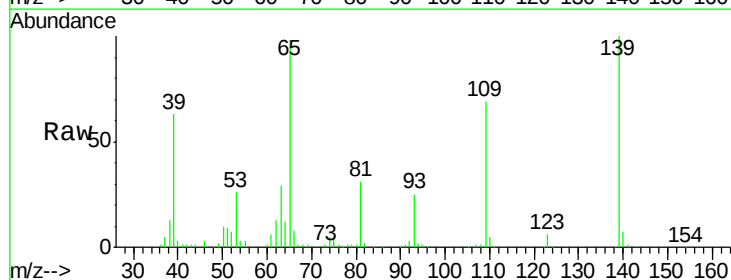
Tgt Ion:139 Resp: 160335

Ion Ratio Lower Upper

139 100

109 69.2 36.2 76.2

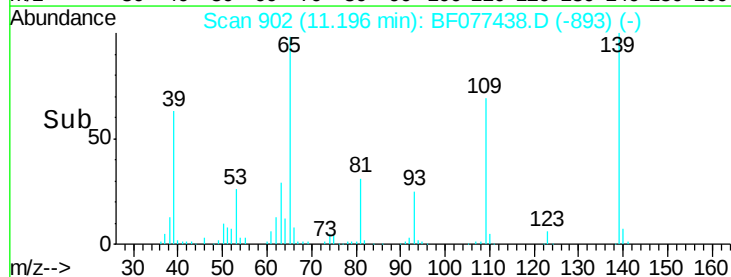
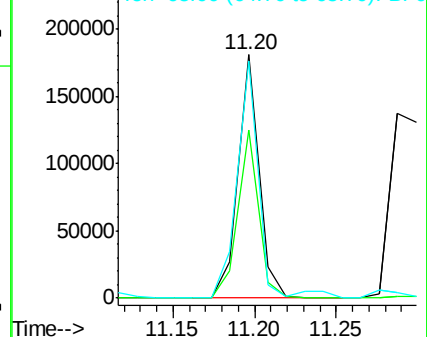
65 97.6 40.3 80.3#

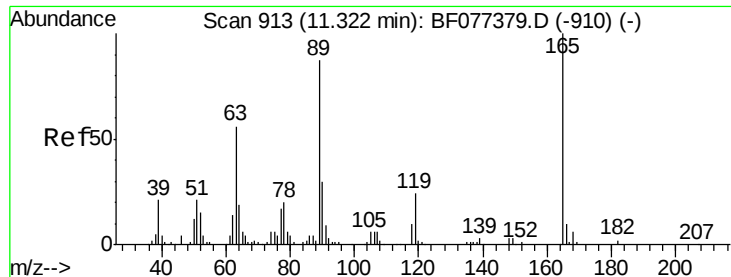


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

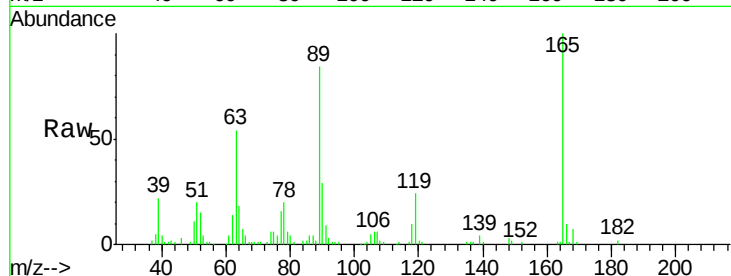




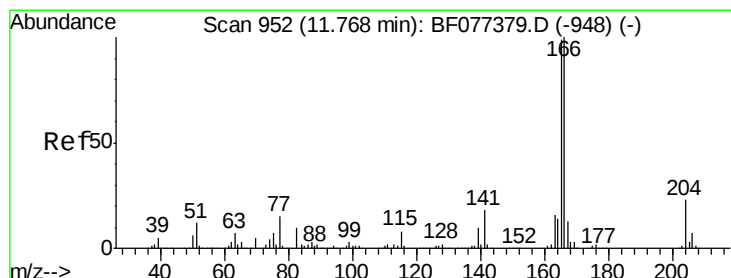
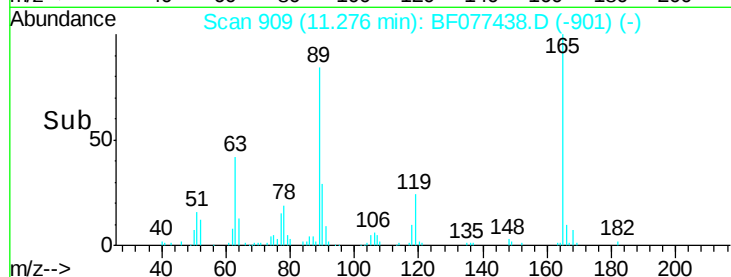
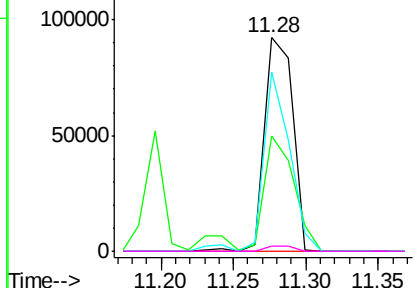
#56
2,4-Dinitrotoluene
Concen: 43.80 ng
RT: 11.28 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

Tgt Ion:165 Resp: 124088
Ion Ratio Lower Upper
165 100
63 53.9 29.8 44.8#
89 83.7 48.5 72.7#
182 2.3 1.9 2.9

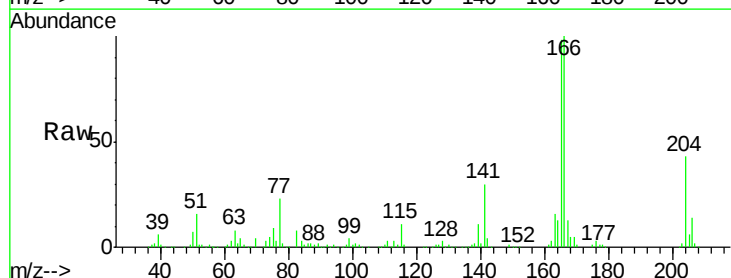


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

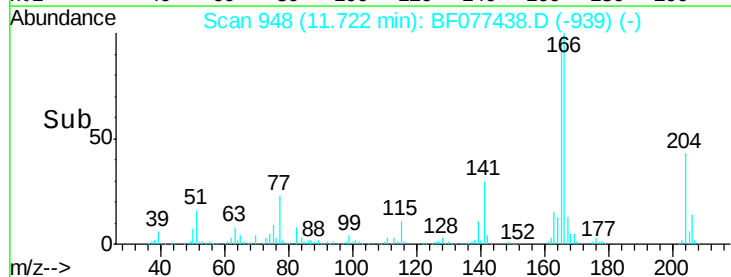
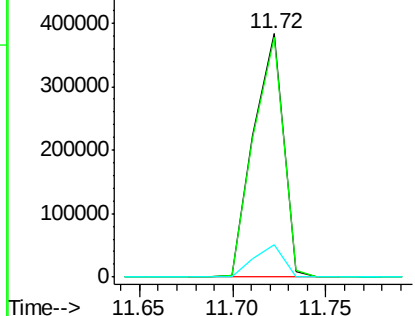


#57
Fluorene
Concen: 41.27 ng
RT: 11.72 min Scan# 948
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion:166 Resp: 425322
Ion Ratio Lower Upper
166 100
165 98.4 77.6 116.4
167 13.2 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

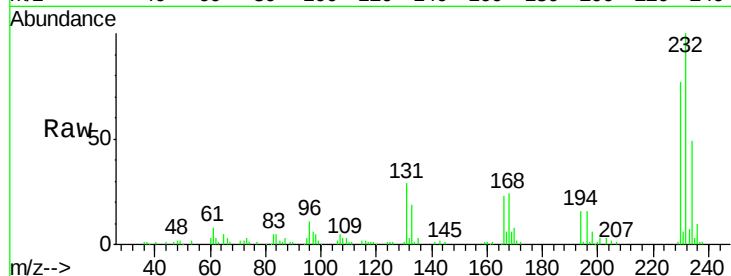




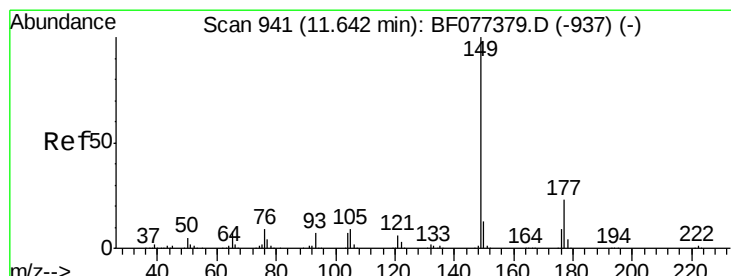
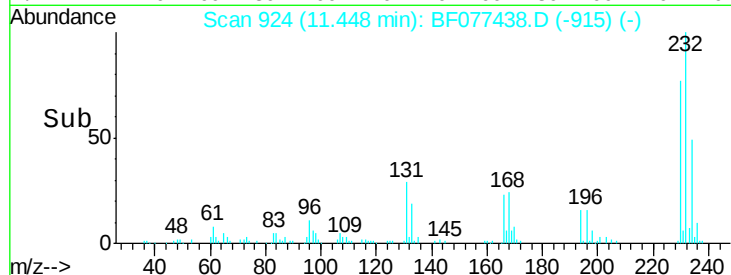
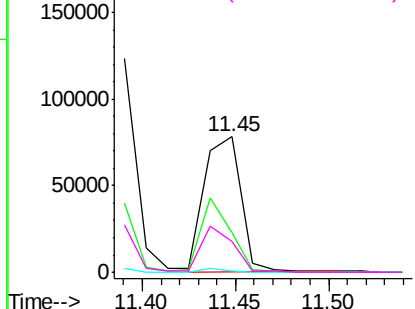
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 43.66 ng
 RT: 11.45 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

Tgt Ion:232 Resp: 106079
 Ion Ratio Lower Upper
 232 100
 131 44.9 34.2 51.2
 130 2.0 1.8 2.6
 166 30.2 24.3 36.5

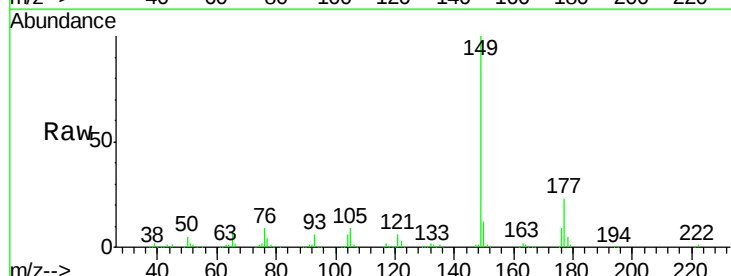


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

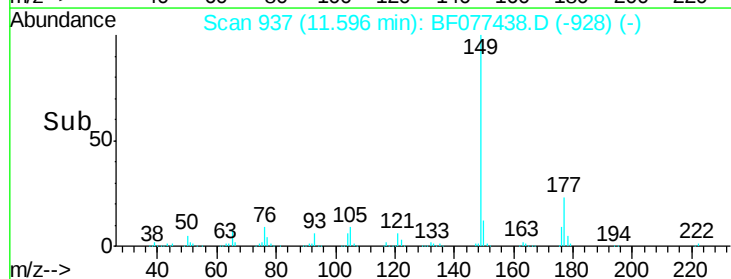
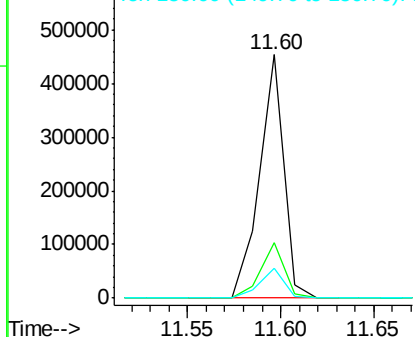


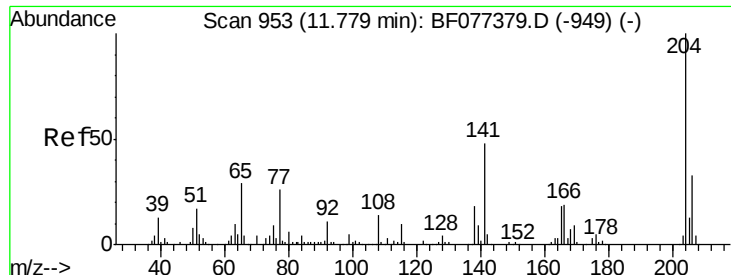
#59
 Diethylphthalate
 Concen: 40.27 ng
 RT: 11.60 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Tgt Ion:149 Resp: 415099
 Ion Ratio Lower Upper
 149 100
 177 22.7 17.2 25.8
 150 12.3 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

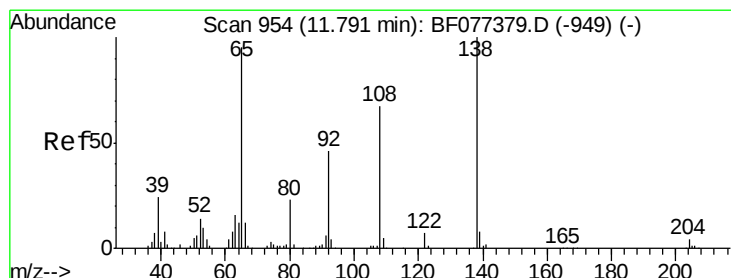
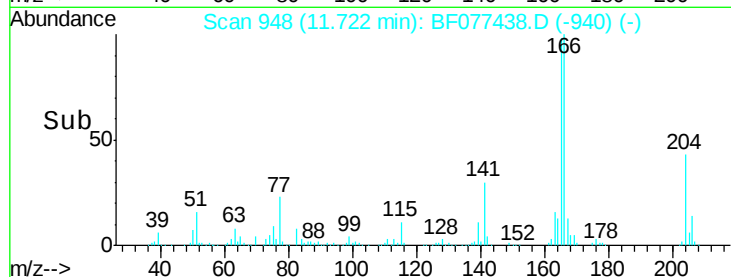
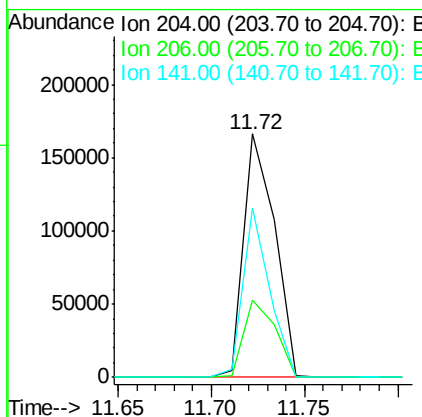
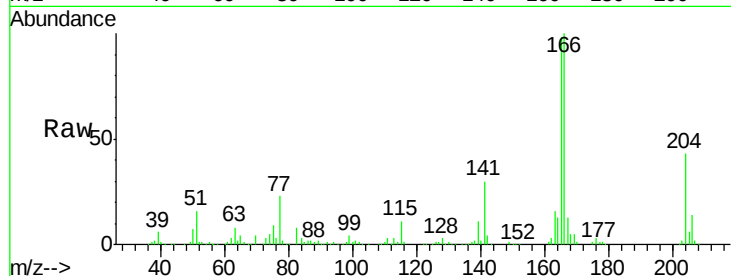




#60
 4-Chlorophenyl-phenylether
 Concen: 38.59 ng
 RT: 11.72 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

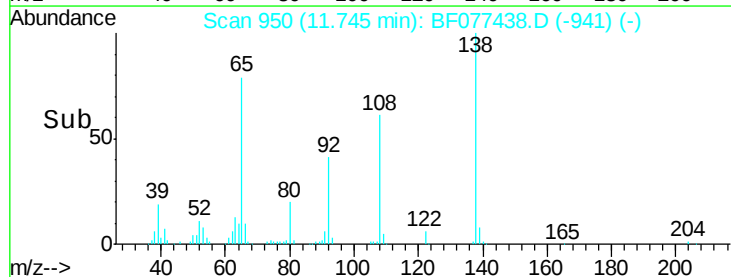
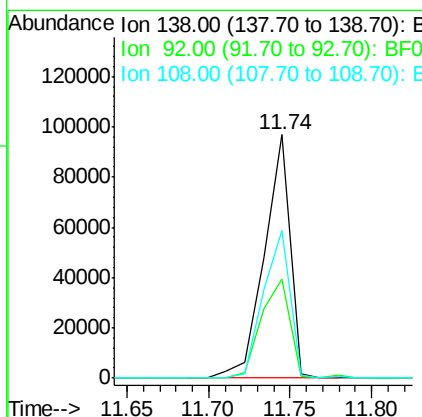
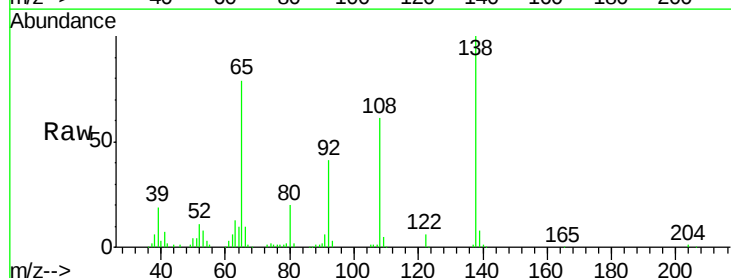
Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

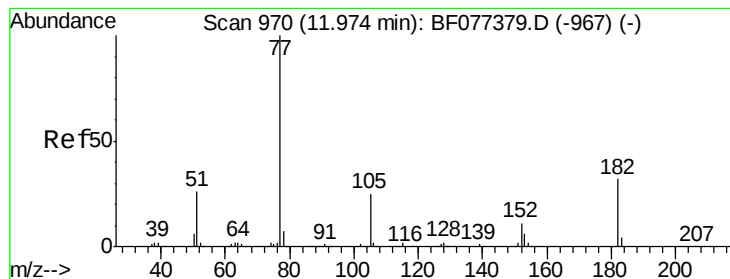
Tgt Ion:204 Resp: 191654
 Ion Ratio Lower Upper
 204 100
 206 31.6 25.9 38.9
 141 69.4 43.6 65.4#



#61
 4-Nitroaniline
 Concen: 45.88 ng
 RT: 11.74 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Tgt Ion:138 Resp: 106299
 Ion Ratio Lower Upper
 138 100
 92 40.6 32.8 72.8
 108 60.9 52.1 92.1





#62

Azobenzene

Concen: 38.26 ng

RT: 11.92 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

Tgt Ion: 77 Resp: 374204

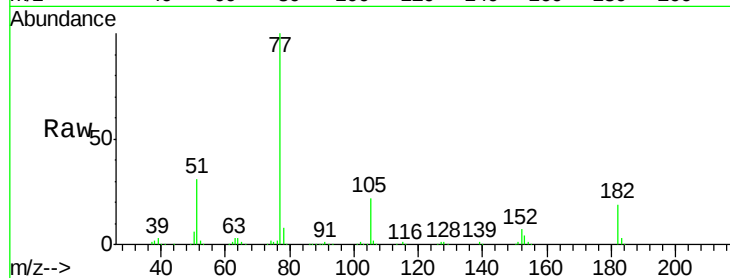
Ion Ratio Lower Upper

77 100

182 19.3 4.9 44.9

105 22.1 3.3 43.3

51 30.9 8.9 48.9

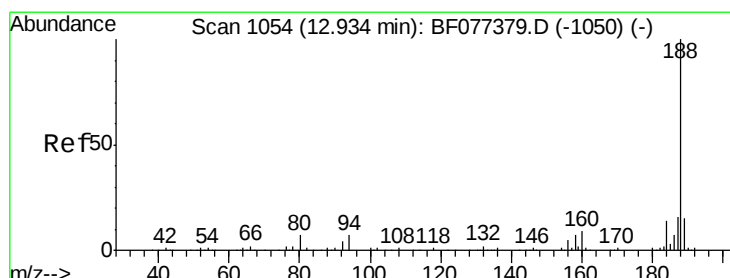
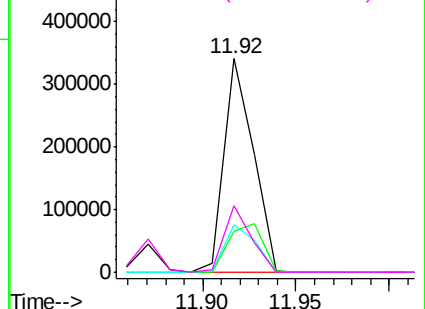
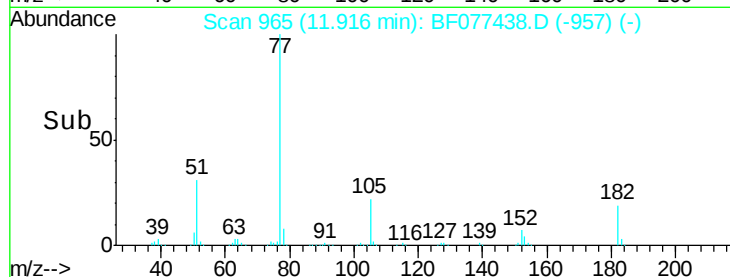


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

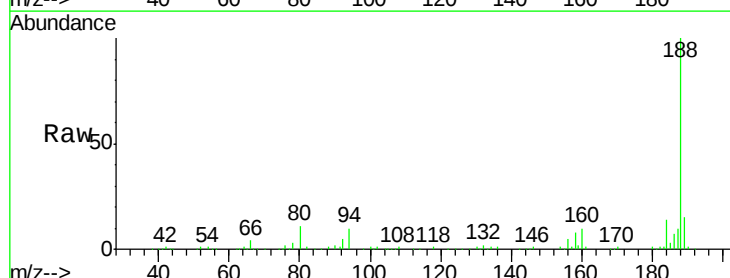
Tgt Ion: 188 Resp: 292075

Ion Ratio Lower Upper

188 100

94 10.0 7.4 11.2

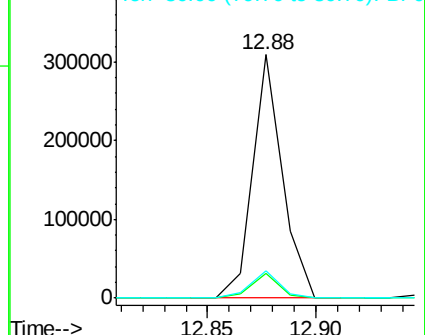
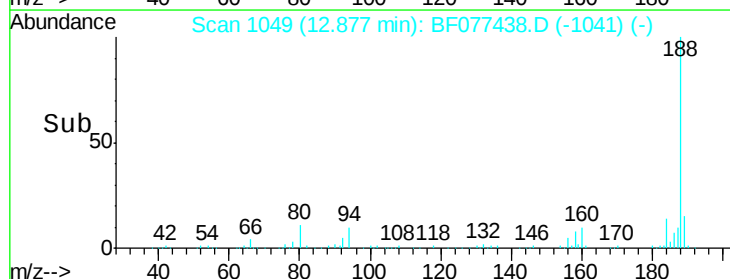
80 11.0 8.0 12.0

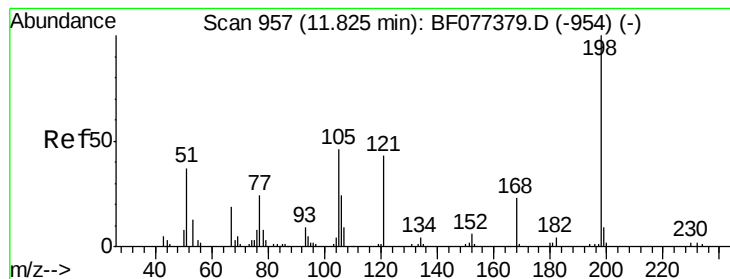


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 41.34 ng

RT: 11.78 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

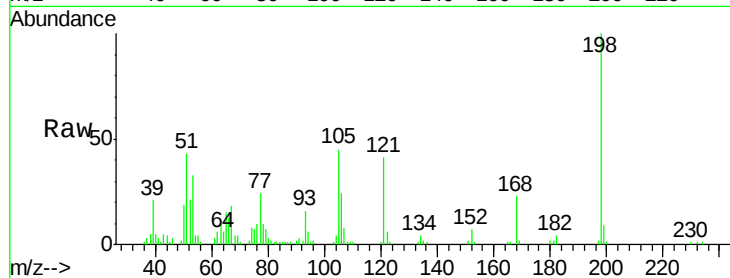
Tgt Ion:198 Resp: 47523

Ion Ratio Lower Upper

198 100

51 42.5 2.7 42.7

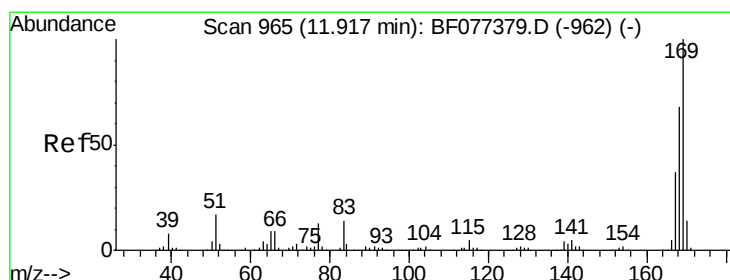
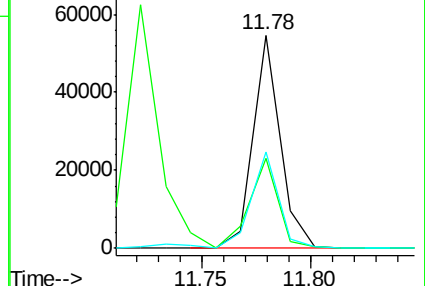
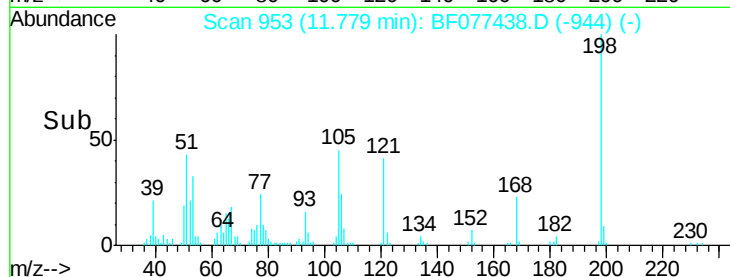
105 45.2 10.0 50.0



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: 37.11 ng

RT: 11.87 min Scan# 961

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

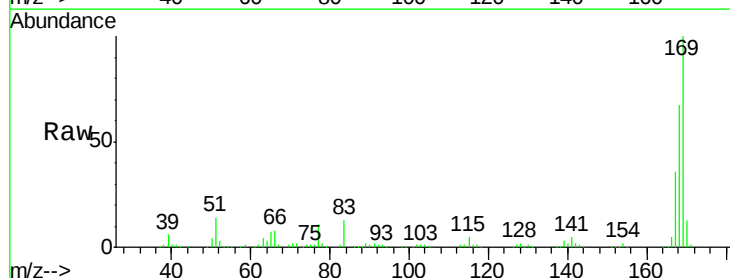
Tgt Ion:169 Resp: 359624

Ion Ratio Lower Upper

169 100

168 66.8 53.0 79.6

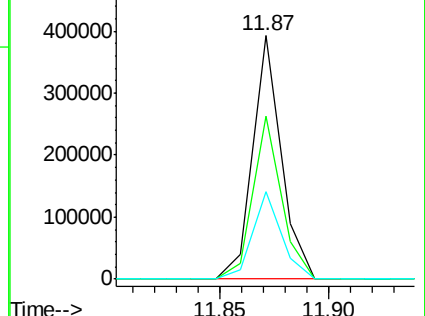
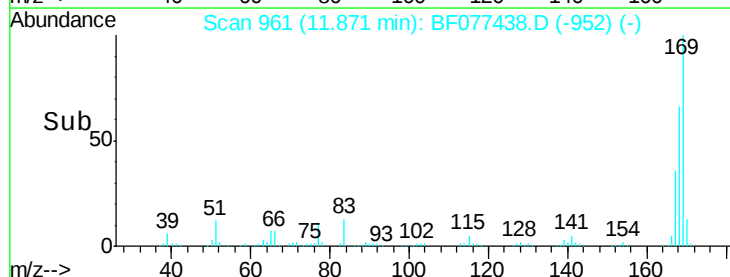
167 36.0 29.5 44.3

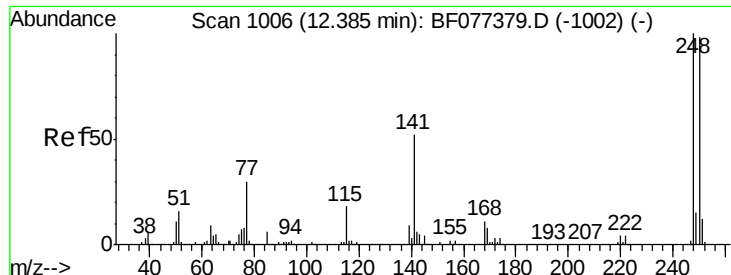


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

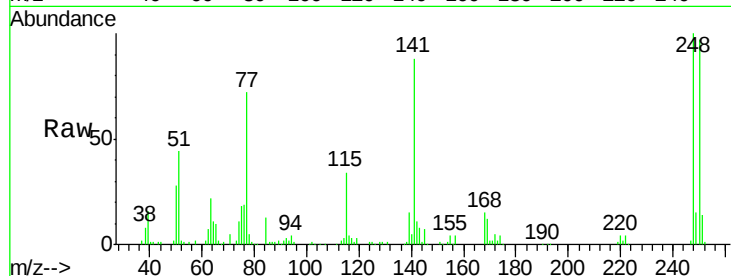




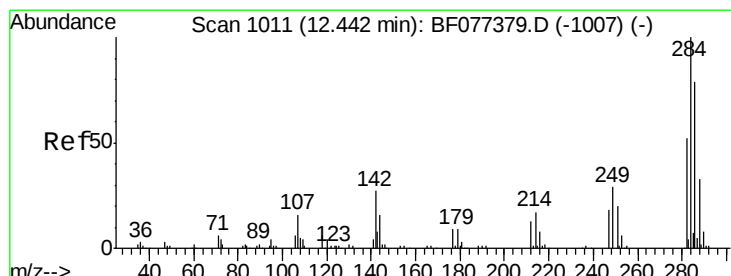
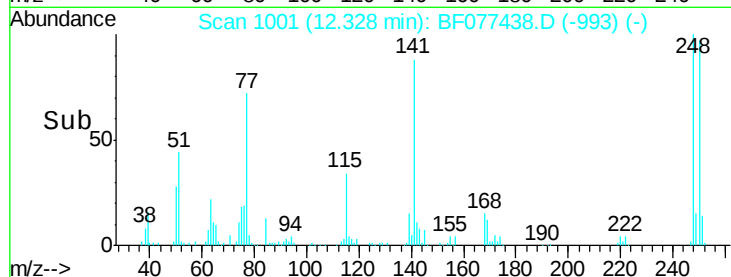
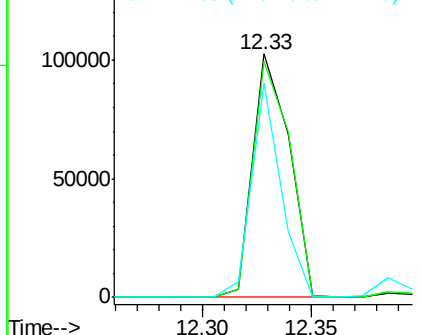
#66
4-Bromophenyl-phenylether
Concen: 35.14 ng
RT: 12.33 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

Tgt Ion:248 Resp: 120198
Ion Ratio Lower Upper
248 100
250 97.0 78.0 117.0
141 87.8 54.1 81.1#

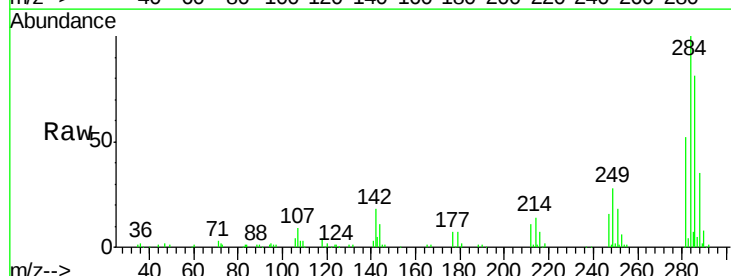


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

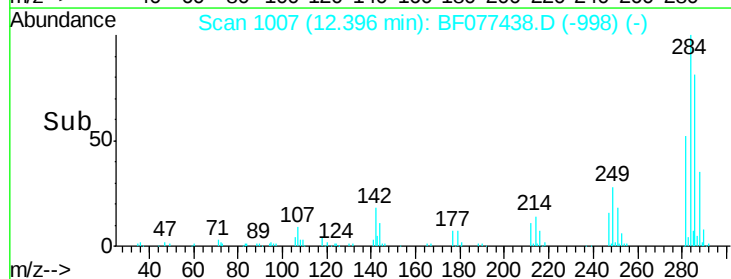
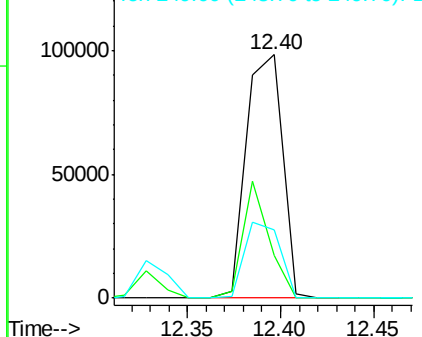


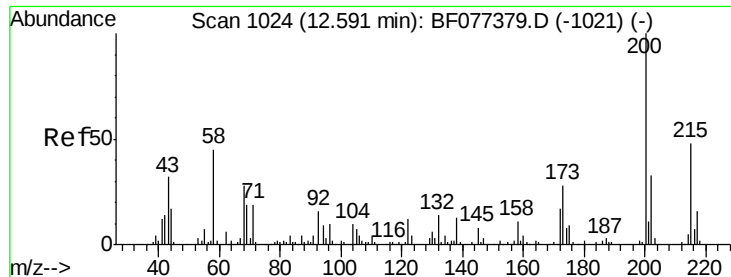
#67
Hexachlorobenzene
Concen: 36.10 ng
RT: 12.40 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion:284 Resp: 132514
Ion Ratio Lower Upper
284 100
142 17.6 31.6 47.4#
249 28.1 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

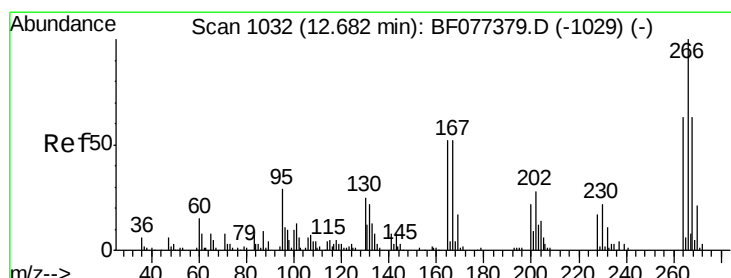
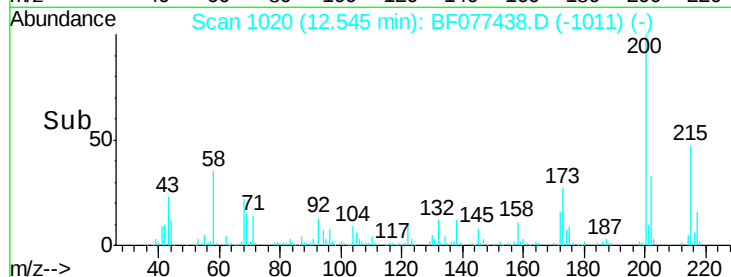
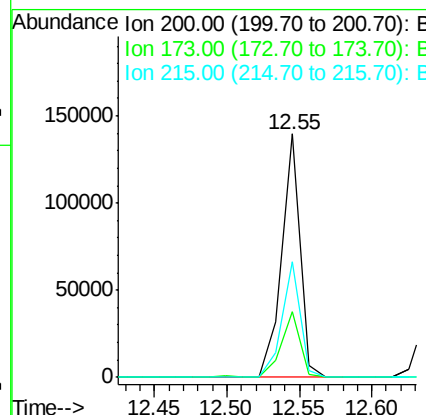
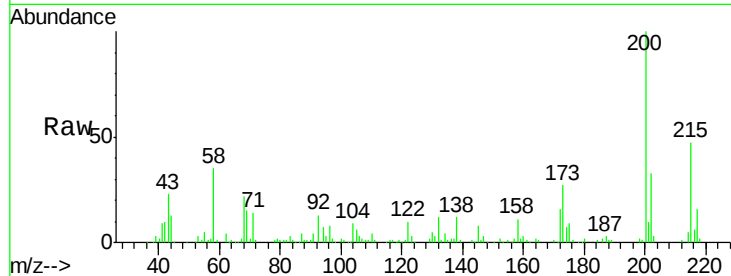




#68
 Atrazine
 Concen: 38.92 ng
 RT: 12.55 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

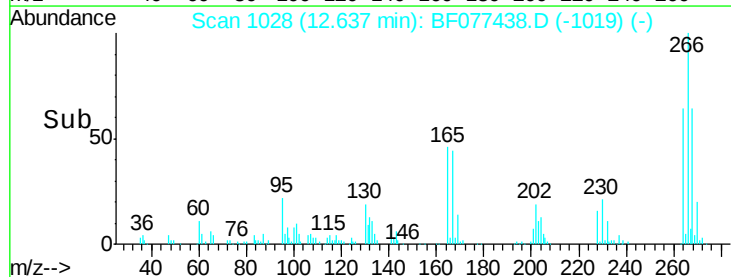
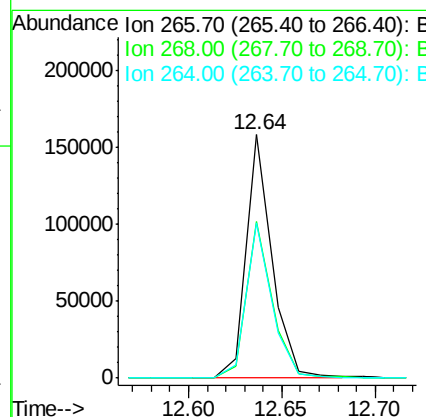
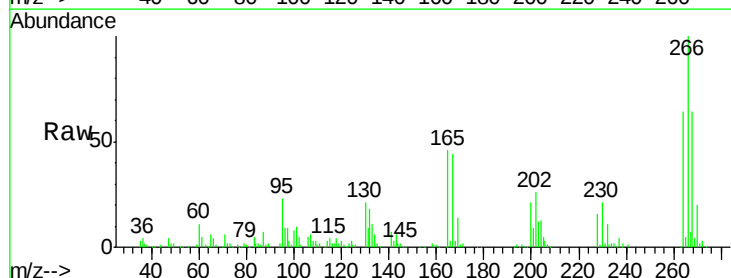
Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

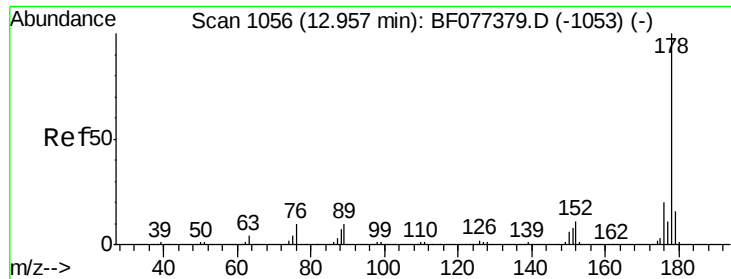
Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.0	9.6	49.6
215	47.5	24.4	64.4



#69
 Pentachlorophenol
 Concen: 79.87 ng
 RT: 12.64 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.3	51.2	76.8
264	64.0	50.7	76.1

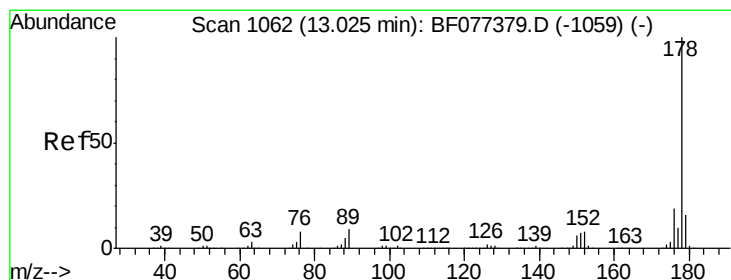
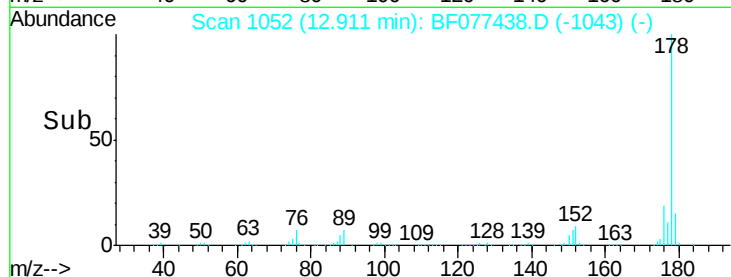
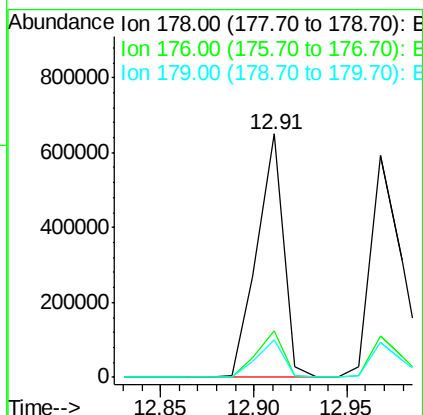
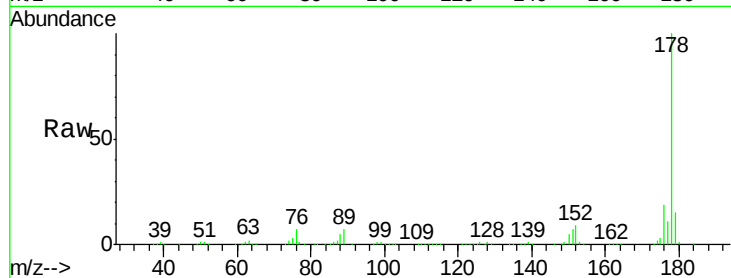




#70
Phenanthrene
Concen: 38.57 ng
RT: 12.91 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

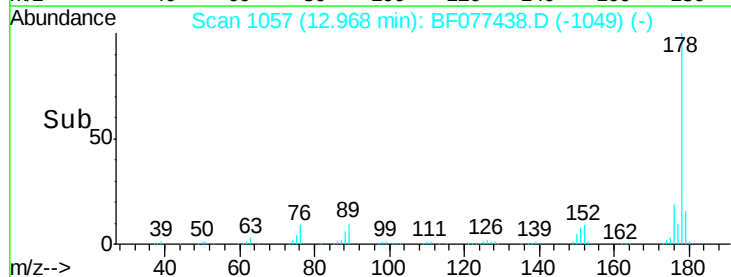
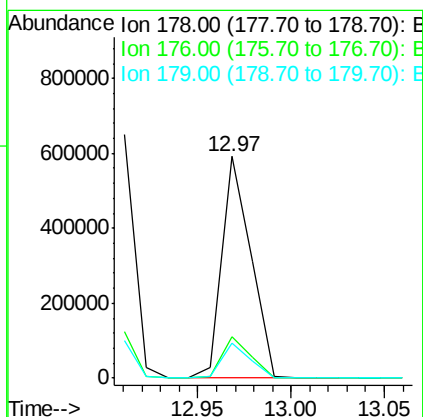
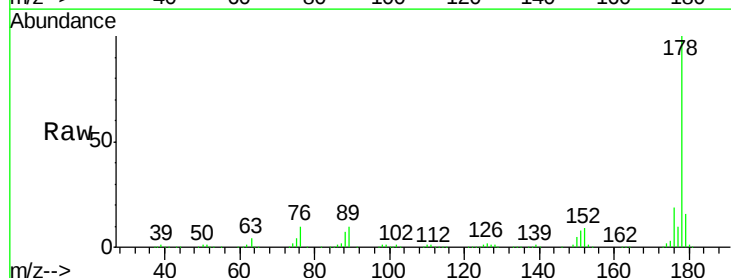
Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

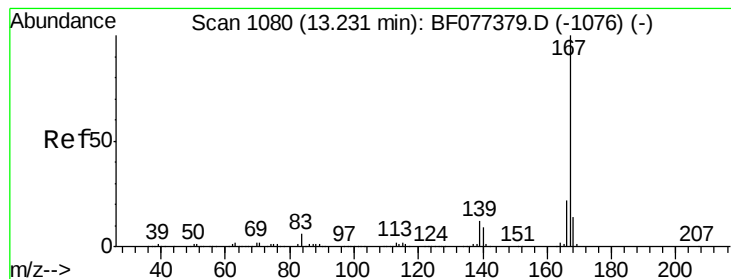
Tgt Ion:178 Resp: 652965
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.2 12.2 18.2



#71
Anthracene
Concen: 38.29 ng
RT: 12.97 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion:178 Resp: 643312
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.7 12.9 19.3





#72

Carbazole

Concen: 38.02 ng

RT: 13.17 min Scan# 1075

Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

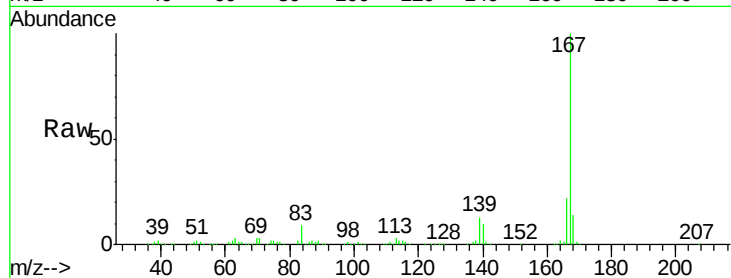
Tgt Ion:167 Resp: 607331

Ion Ratio Lower Upper

167 100

166 21.7 17.6 26.4

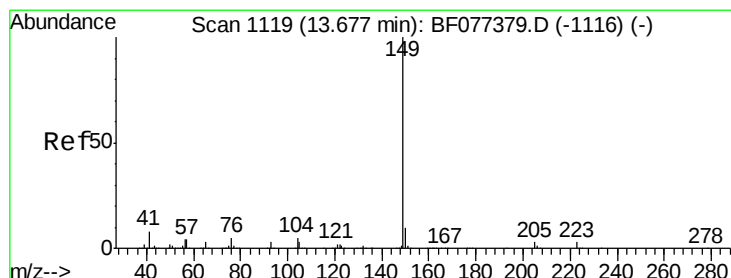
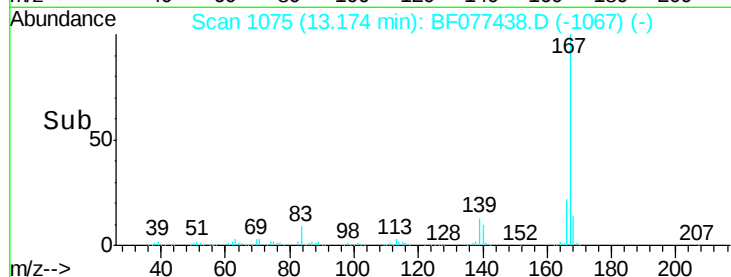
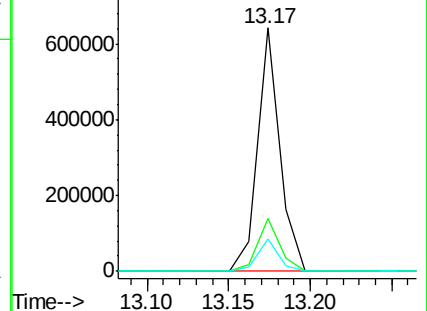
139 13.1 9.9 14.9



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 36.31 ng

RT: 13.63 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

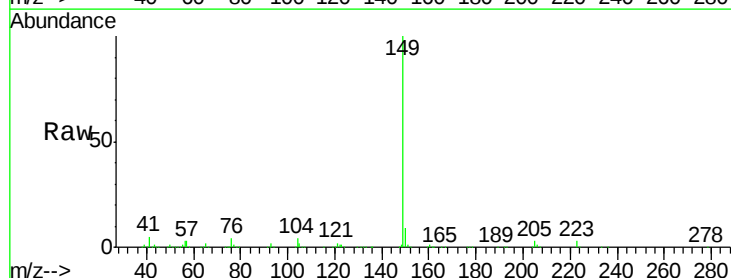
Tgt Ion:149 Resp: 681147

Ion Ratio Lower Upper

149 100

150 9.1 7.8 11.8

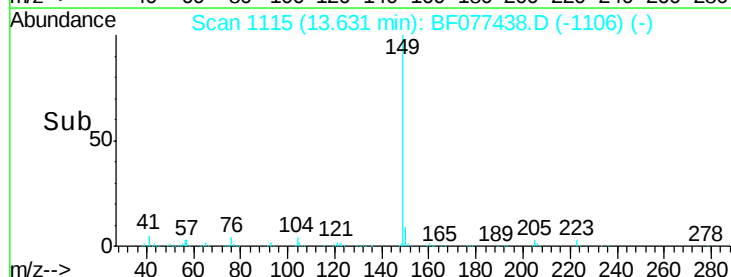
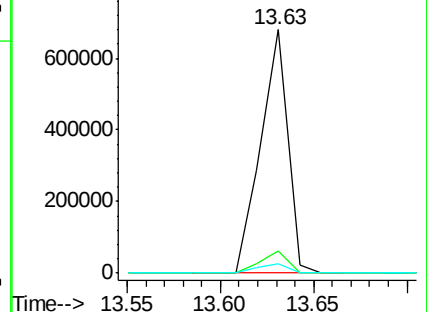
104 4.0 4.1 6.1#

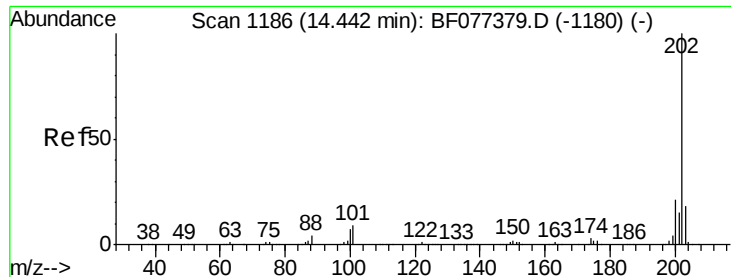


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

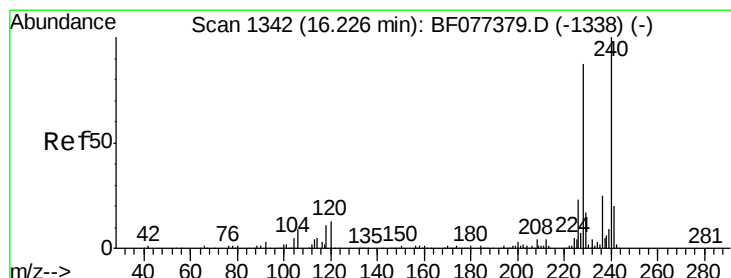
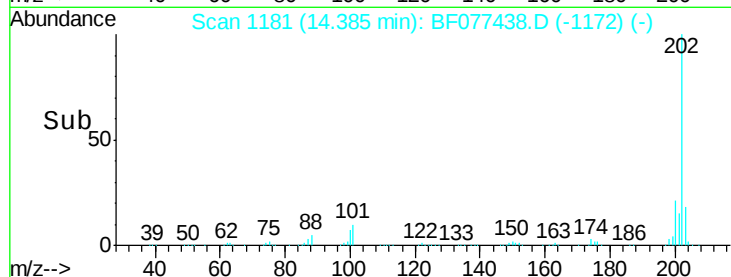
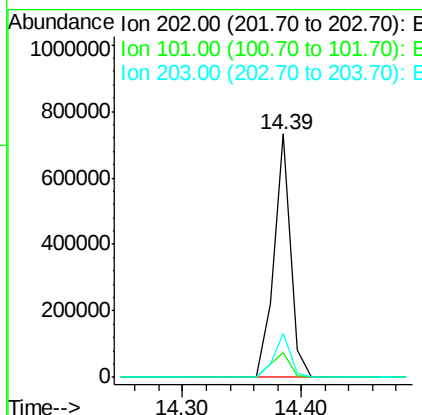
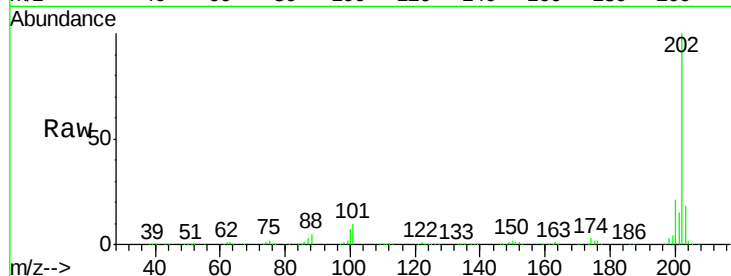




#74
 Fluoranthene
 Concen: 38.77 ng
 RT: 14.39 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

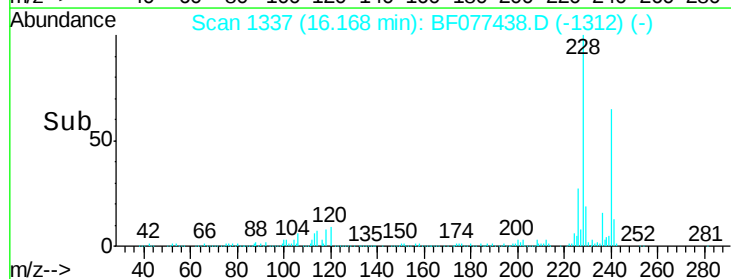
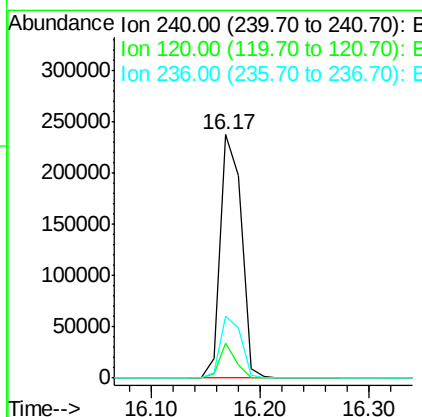
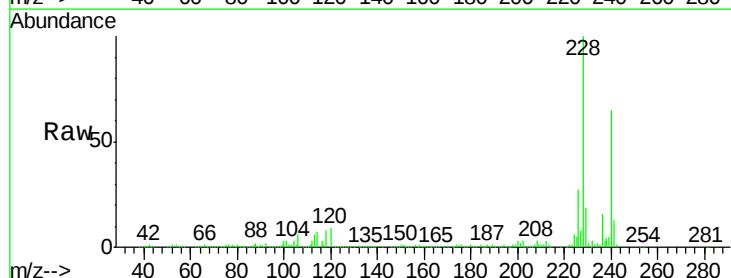
Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

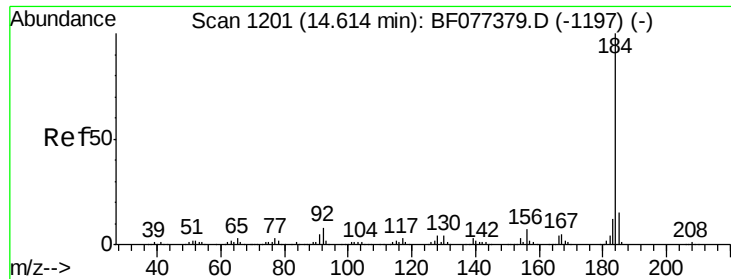
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	716965		
101	9.9	0.0	30.8	
203	18.1	0.0	37.7	



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.17 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	321342		
120	14.4	8.8	13.2#	
236	25.4	20.7	31.1	





#76

Benzidine

Concen: 24.23 ng

RT: 14.56 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

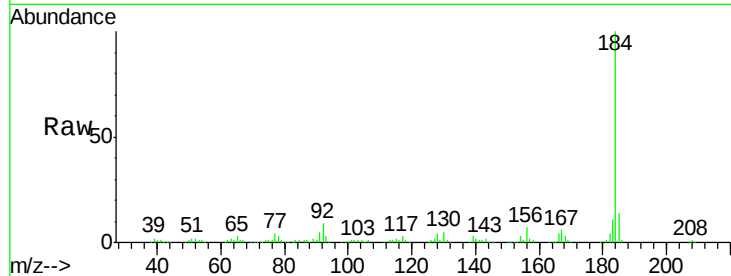
Tgt Ion:184 Resp: 263041

Ion Ratio Lower Upper

184 100

185 14.0 12.6 18.8

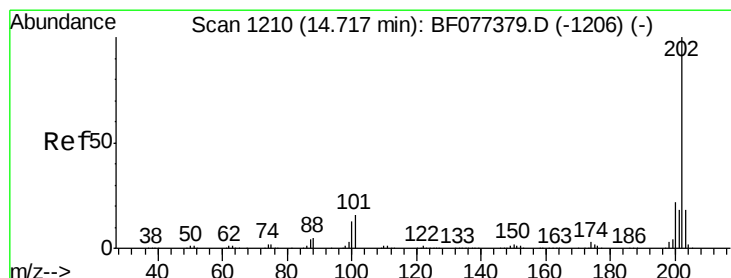
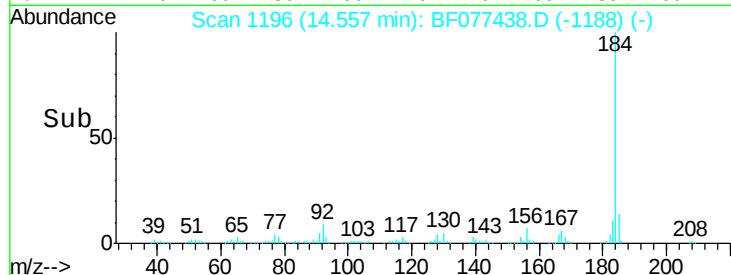
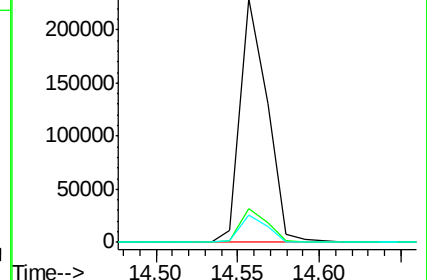
183 11.4 9.3 13.9



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: 37.40 ng

RT: 14.66 min Scan# 1205

Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

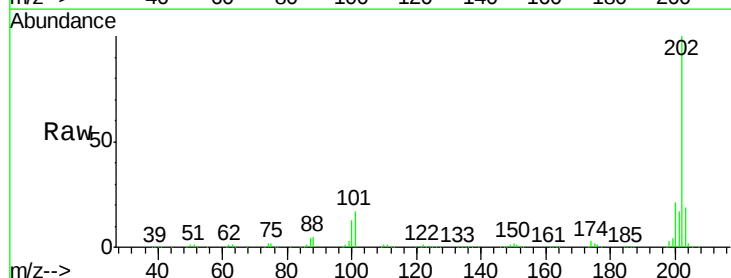
Tgt Ion:202 Resp: 735144

Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

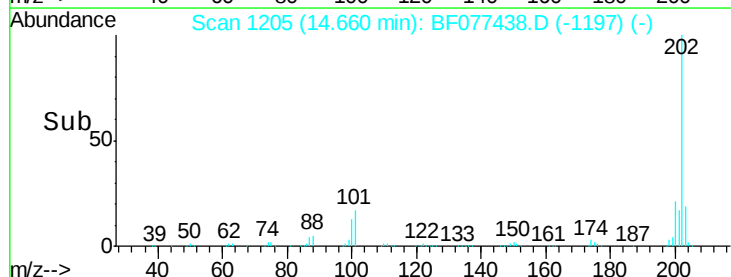
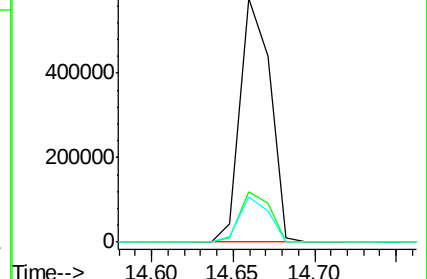
203 18.6 14.2 21.2

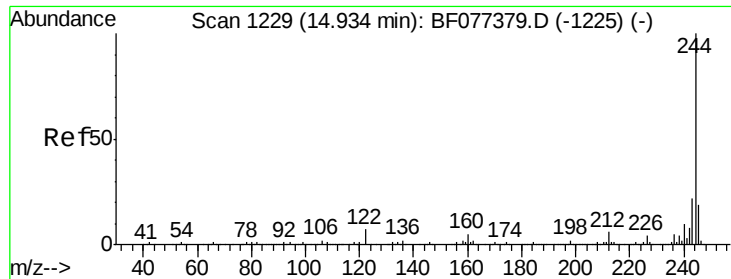


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

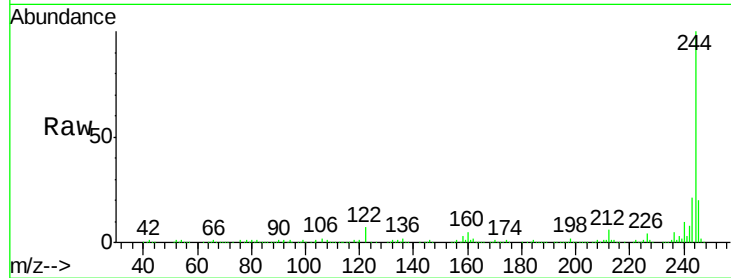




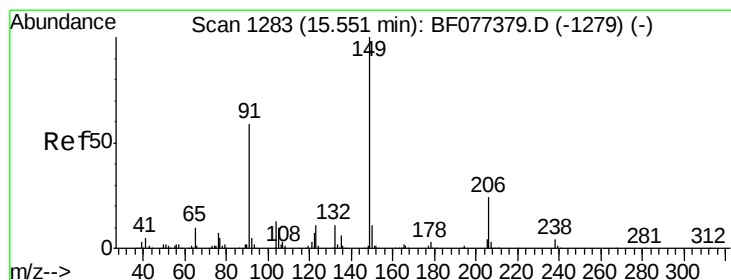
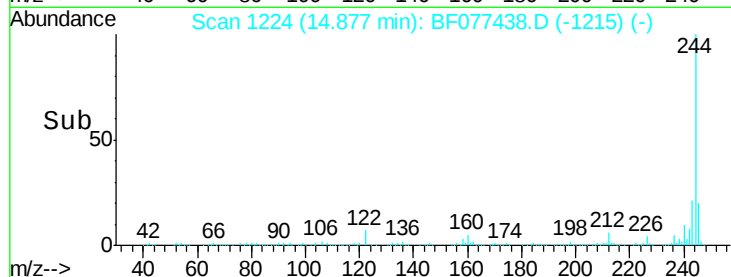
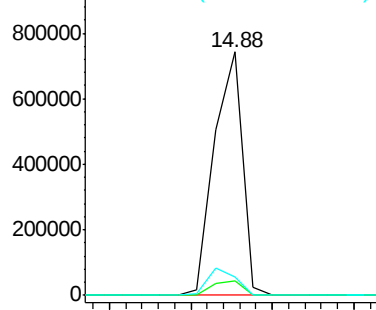
#78
 Terphenyl-d14
 Concen: 64.50 ng
 RT: 14.88 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

Tgt Ion: 244 Resp: 886658
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.2 7.8
 122 7.5 7.8 11.8#

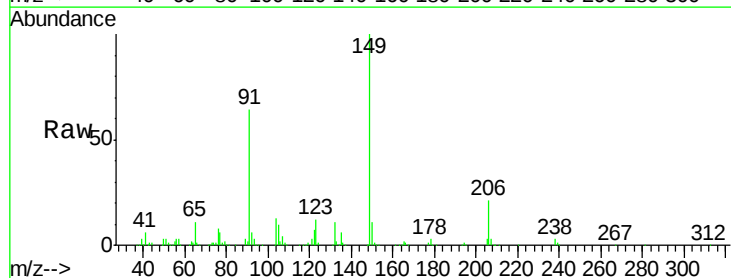


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

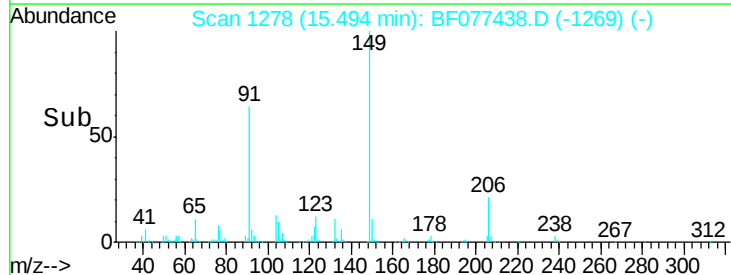
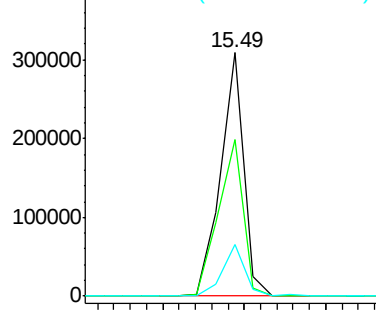


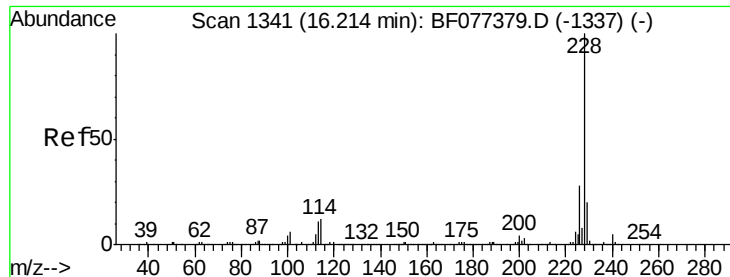
#79
 Butylbenzylphthalate
 Concen: 37.57 ng
 RT: 15.49 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Tgt Ion: 149 Resp: 303793
 Ion Ratio Lower Upper
 149 100
 91 64.2 51.2 76.8
 206 21.2 17.8 26.8



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF0
 Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 39.20 ng

RT: 16.16 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

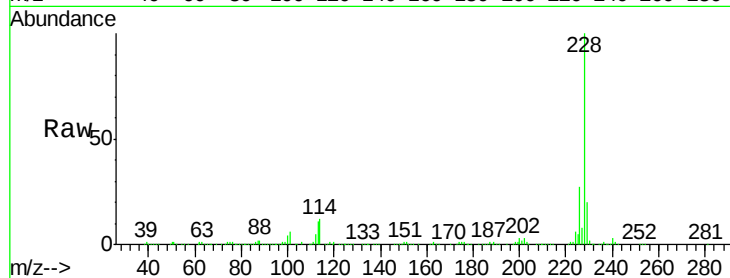
Tgt Ion:228 Resp: 738250

Ion Ratio Lower Upper

228 100

226 27.4 22.0 33.0

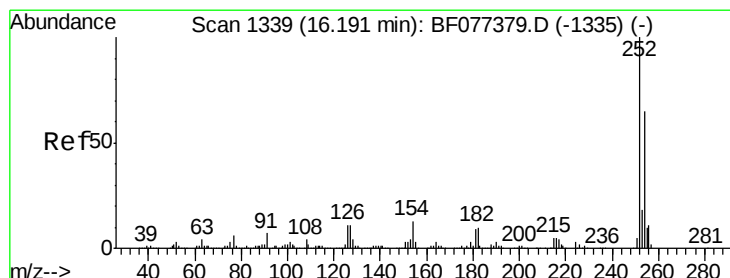
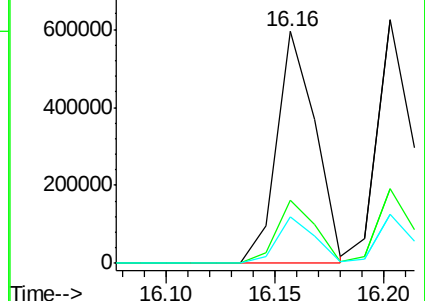
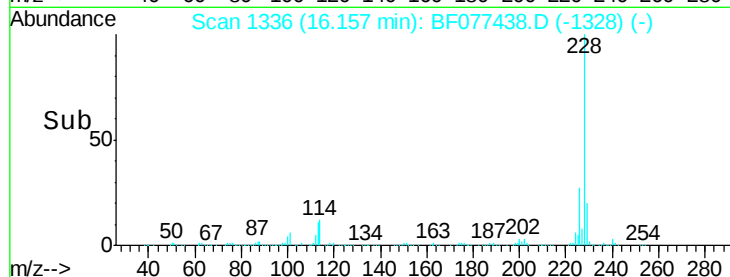
229 20.1 15.8 23.8



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



#81

3,3'-Dichlorobenzidine

Concen: 22.00 ng

RT: 16.13 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

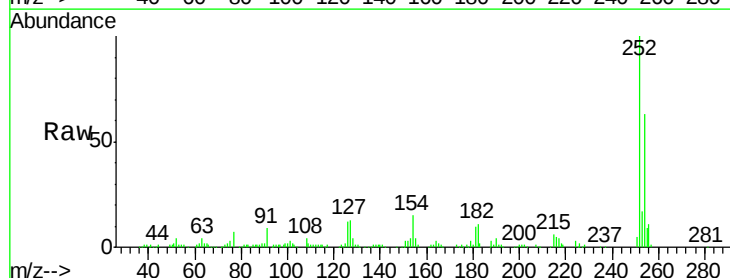
Tgt Ion:252 Resp: 151824

Ion Ratio Lower Upper

252 100

254 62.7 52.9 79.3

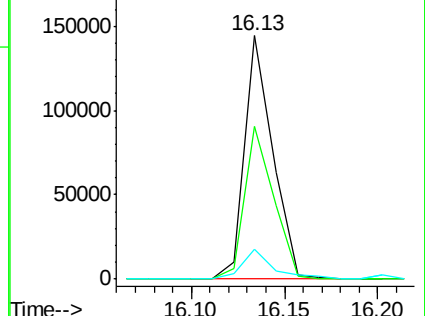
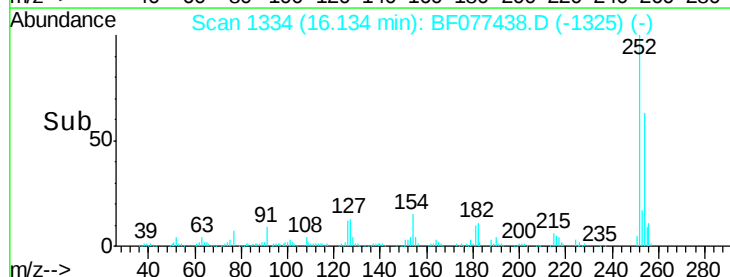
126 12.2 7.3 10.9#

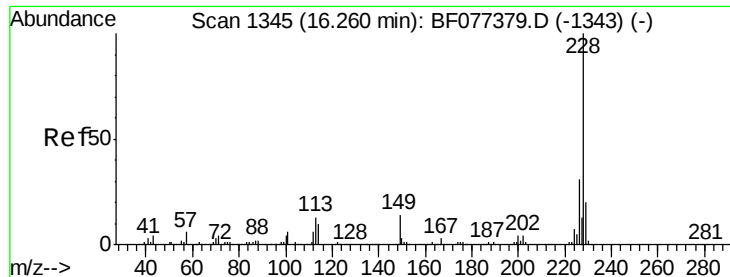


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 38.48 ng

RT: 16.20 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS

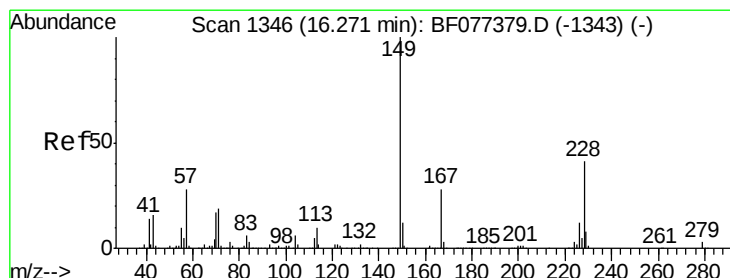
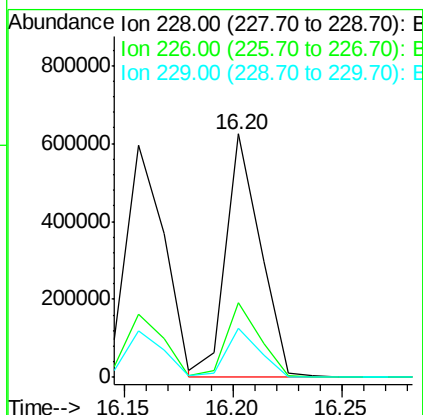
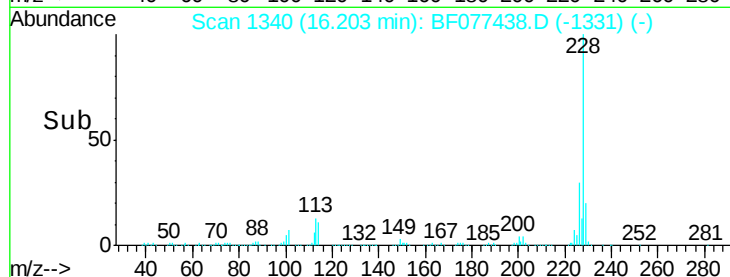
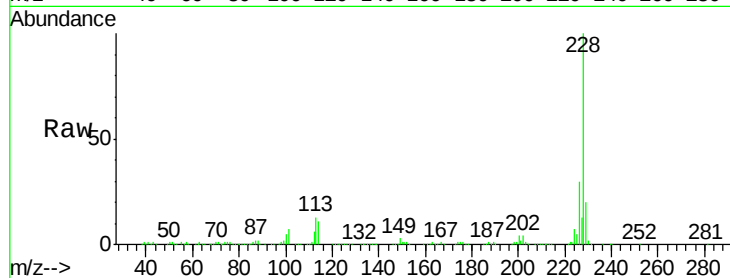
Tgt Ion:228 Resp: 680561

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

229 20.4 16.4 24.6



#83

Bis(2-ethylhexyl)phthalate

Concen: 32.64 ng

RT: 16.21 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

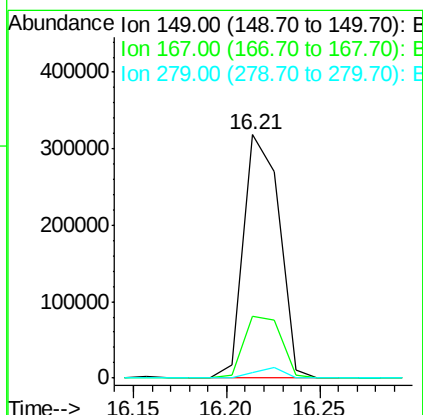
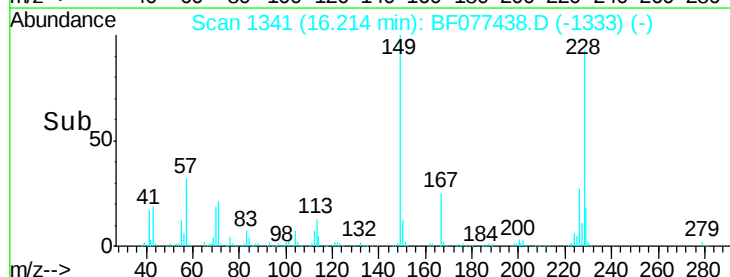
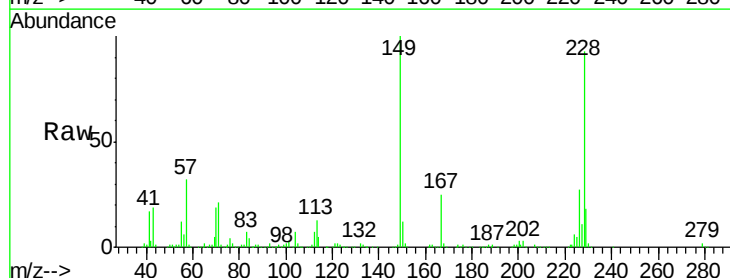
Tgt Ion:149 Resp: 423284

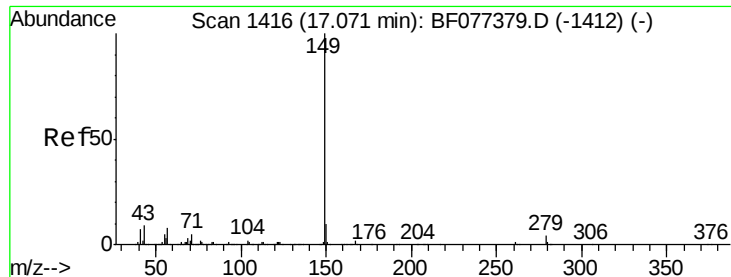
Ion Ratio Lower Upper

149 100

167 25.3 22.8 34.2

279 2.1 3.8 5.6#

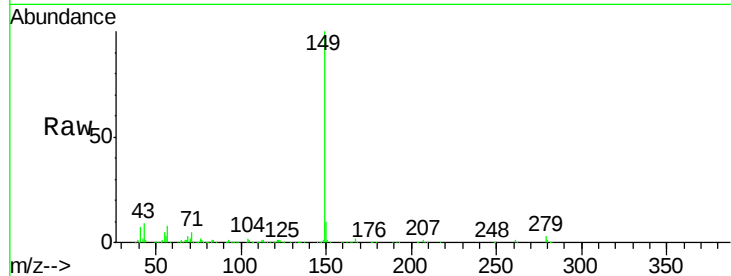




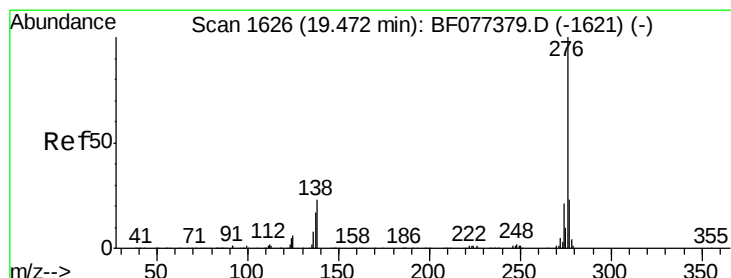
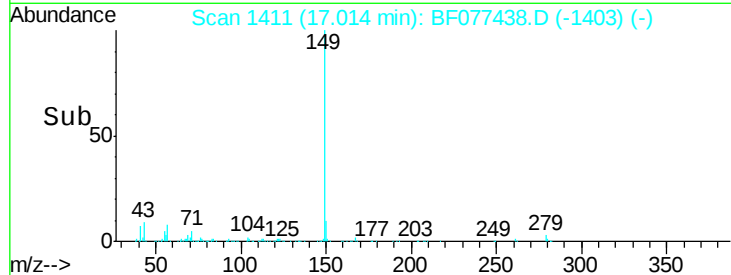
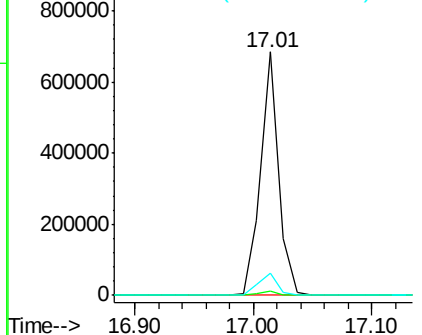
#84
Di-n-octyl phthalate
Concen: 33.85 ng
RT: 17.01 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

Tgt Ion:149 Resp: 732850
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.4 8.1 12.1

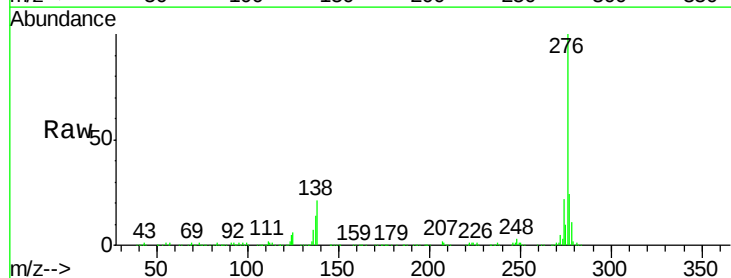


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

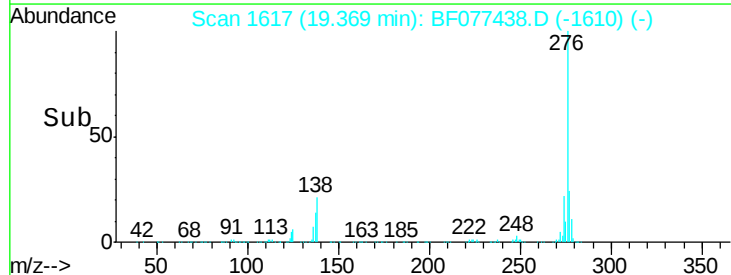
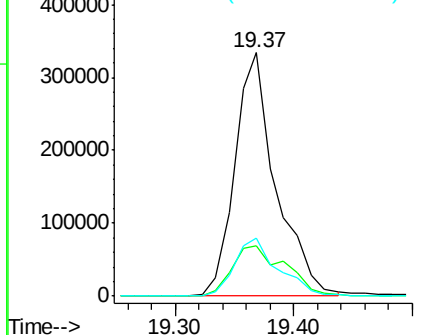


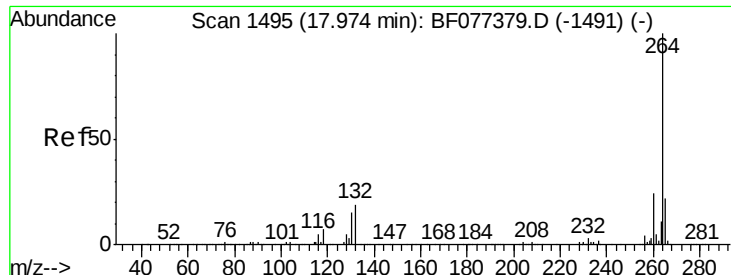
#85
Indeno(1,2,3-cd)pyrene
Concen: 39.92 ng
RT: 19.37 min Scan# 1617
Delta R.T. -0.02 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion:276 Resp: 804937
Ion Ratio Lower Upper
276 100
138 26.5 21.2 31.8
277 25.3 20.0 30.0



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

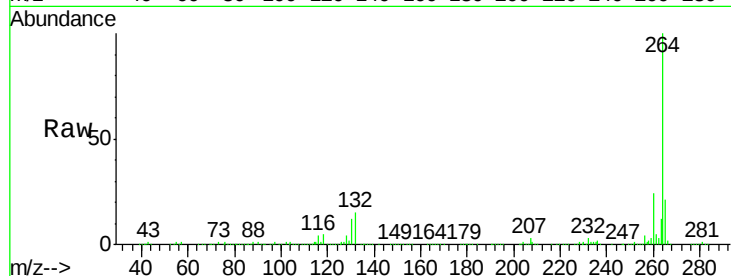




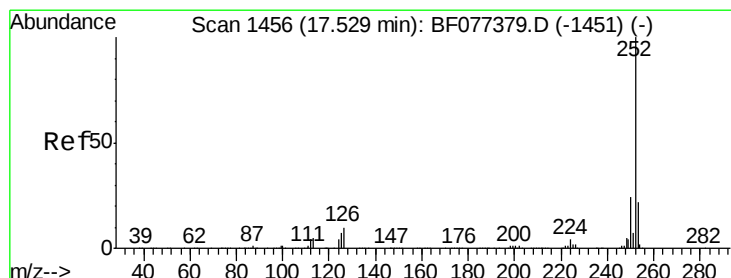
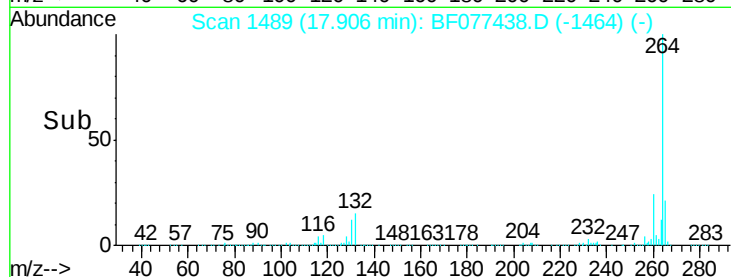
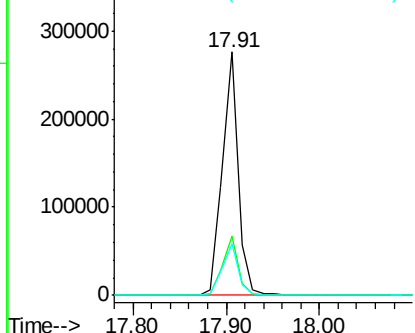
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.91 min Scan# 1489
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

Tgt Ion: 264 Resp: 326407
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 21.4 16.8 25.2

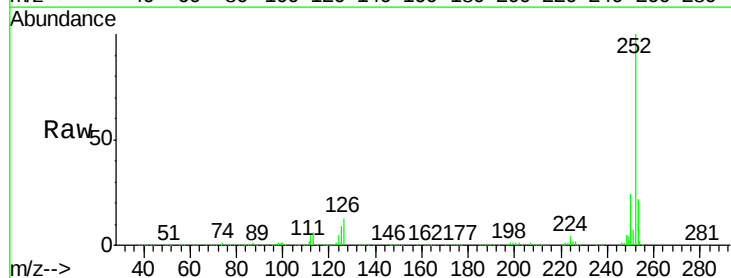


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

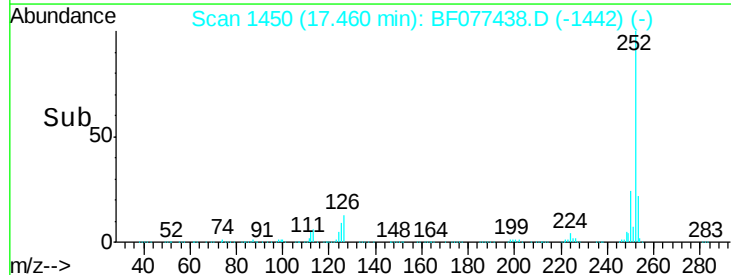
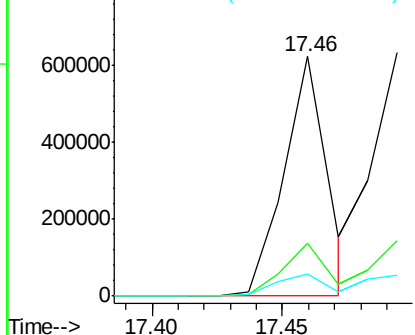


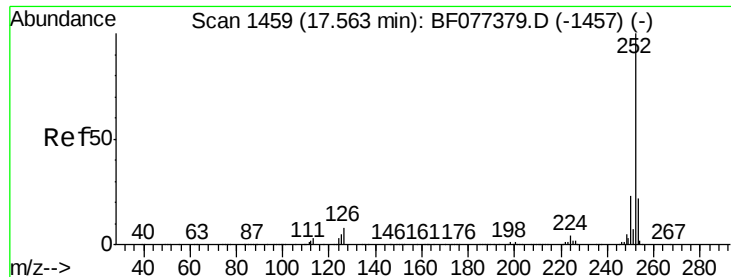
#87
Benzo(b)fluoranthene
Concen: 37.37 ng
RT: 17.46 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion: 252 Resp: 709400
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 9.3 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

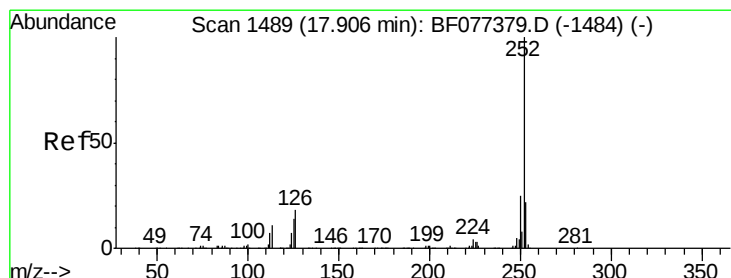
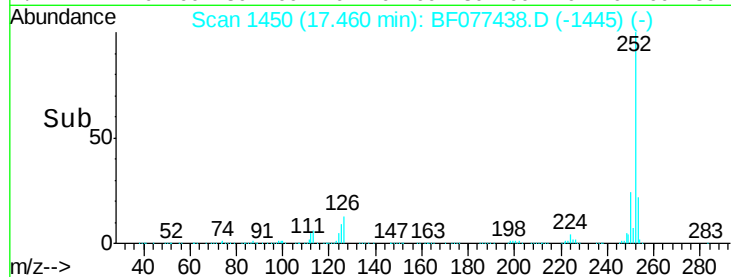
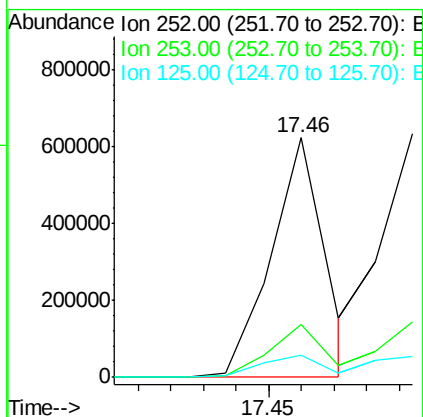
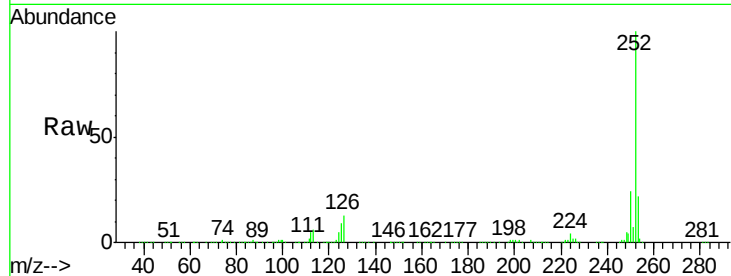




#88
Benzo(k)fluoranthene
Concen: 38.13 ng
RT: 17.46 min Scan# 1450
Delta R.T. -0.05 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

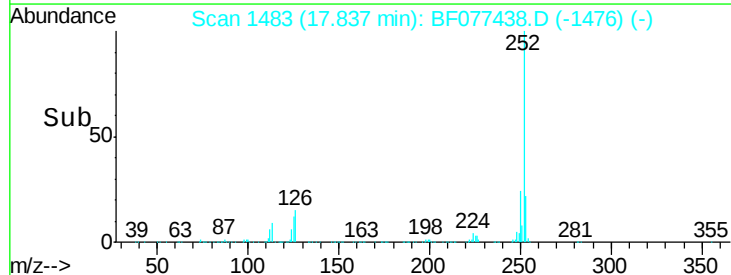
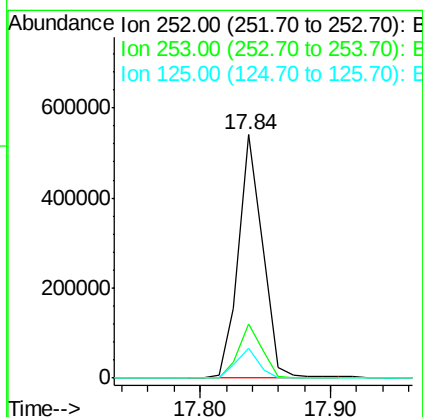
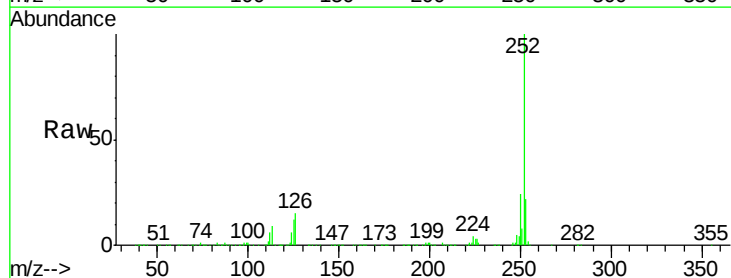
Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

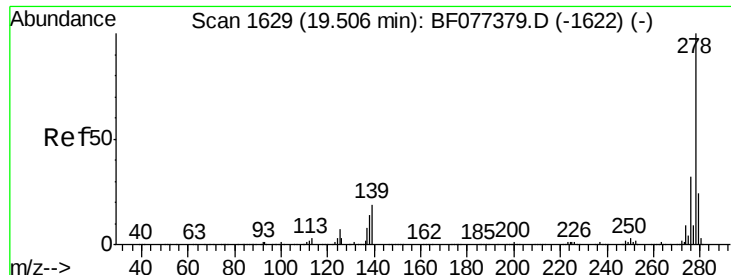
Tgt Ion:252 Resp: 709348
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 9.3 10.1 15.1#



#89
Benzo(a)pyrene
Concen: 38.55 ng
RT: 17.84 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion:252 Resp: 696929
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 12.2 8.3 12.5

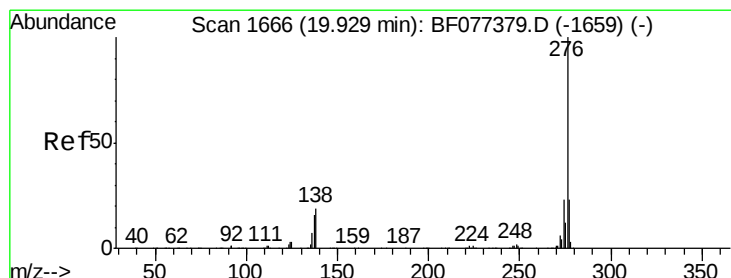
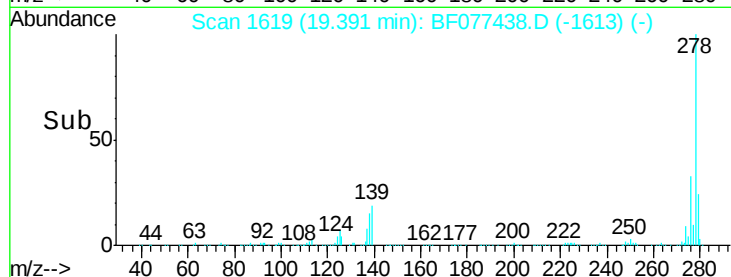
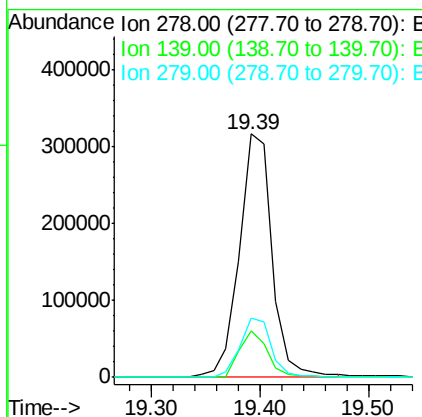
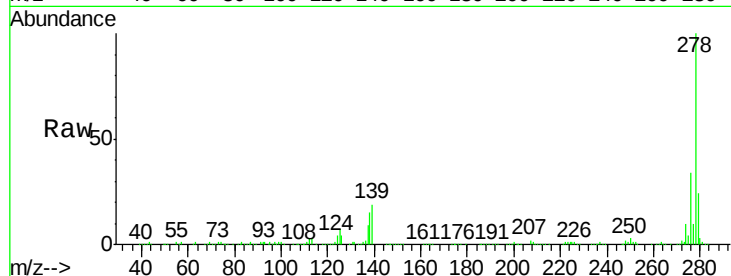




#90
Dibenzo(a,h)anthracene
Concen: 37.99 ng
RT: 19.39 min Scan# 1619
Delta R.T. -0.03 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	14.3	21.5
279	24.3	19.0	28.6



#91
Benzo(g,h,i)perylene
Concen: 38.94 ng
RT: 19.80 min Scan# 1655
Delta R.T. -0.02 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	20.1	20.5	30.7

