

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

Manual Integrations
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 2/27/2015 10:55:52 AM

Quant Time: Feb 26 04:19:12 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	17.49	252	725530m	39.00	ng	
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

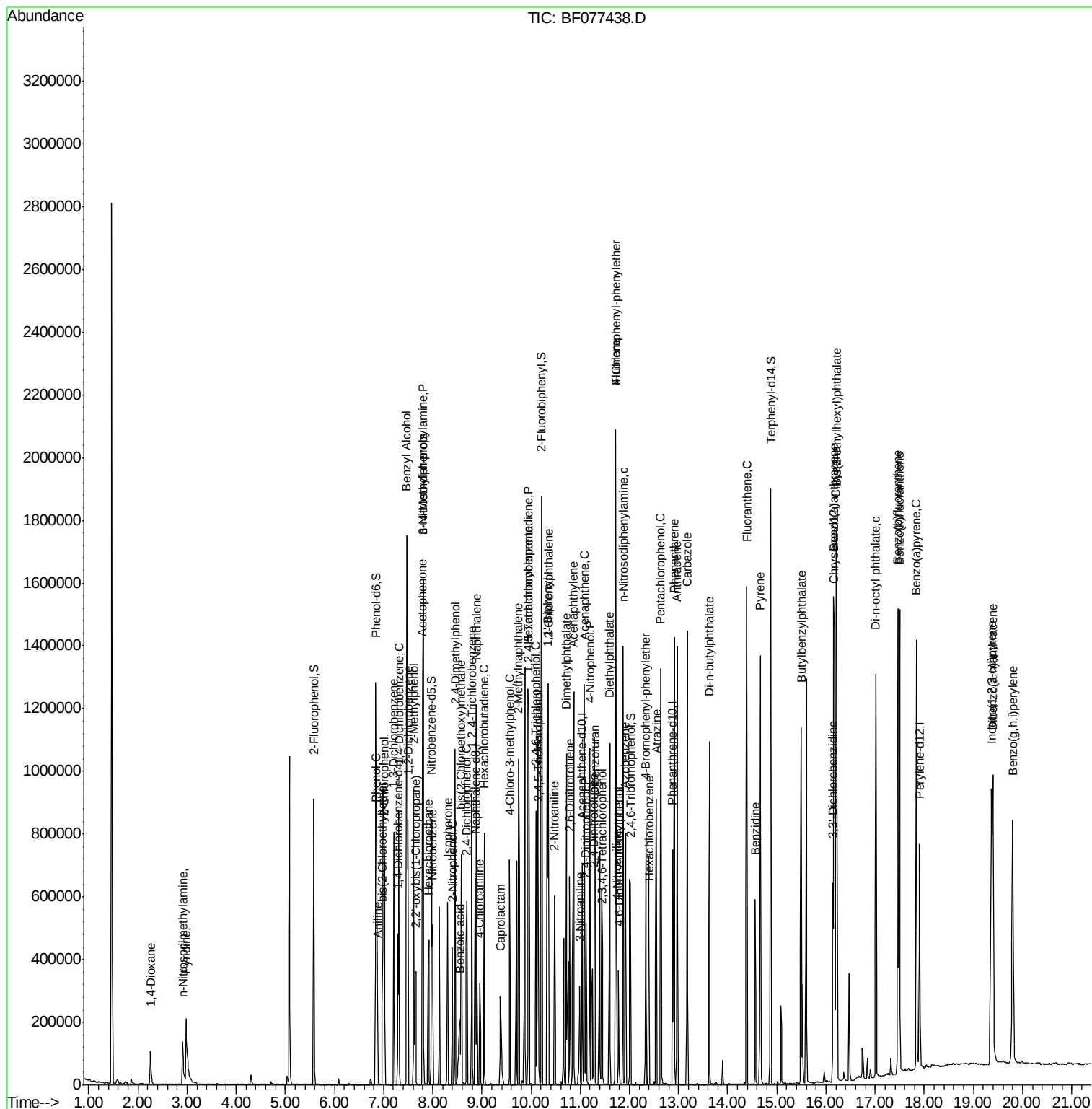
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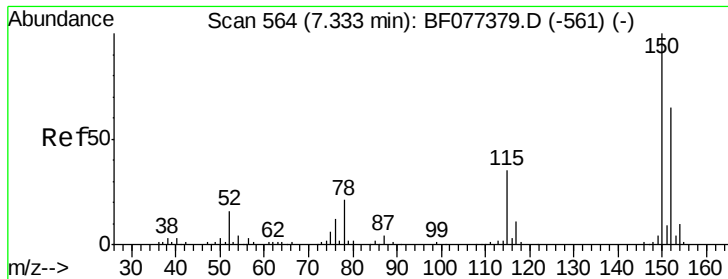
Instrument :
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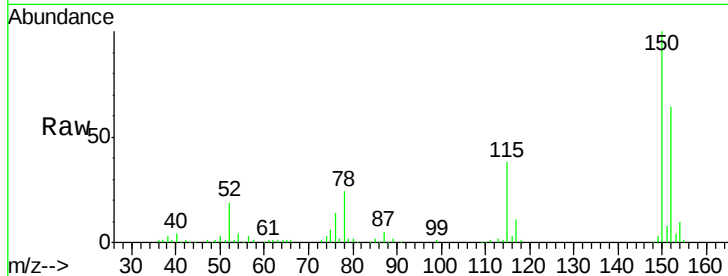




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

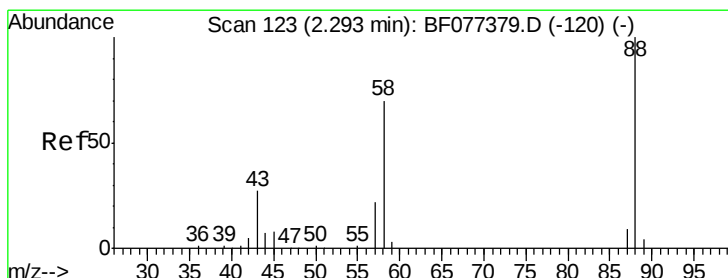
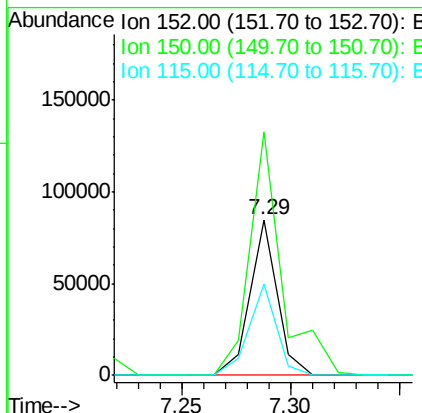
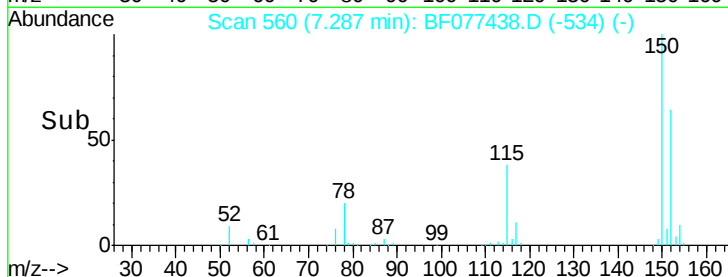
Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS



Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.0	186.0
115	59.0	49.4	74.2

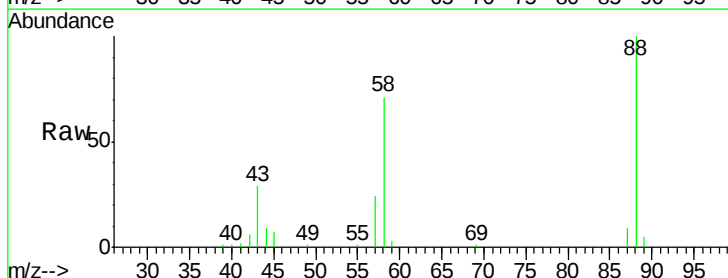
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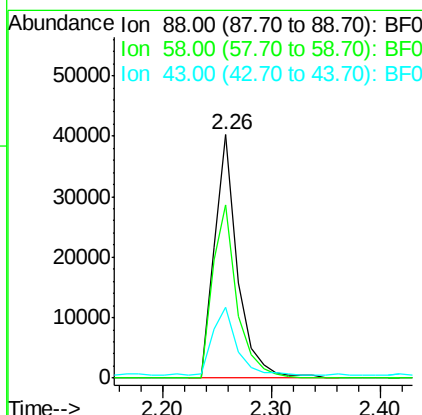
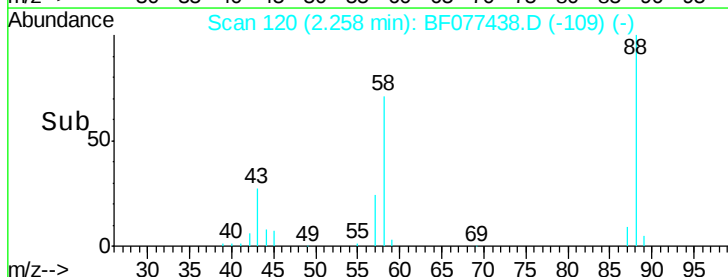


#2

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	Ratio	Lower	Upper
88	100		
58	74.7	62.1	93.1
43	30.1	24.0	36.0





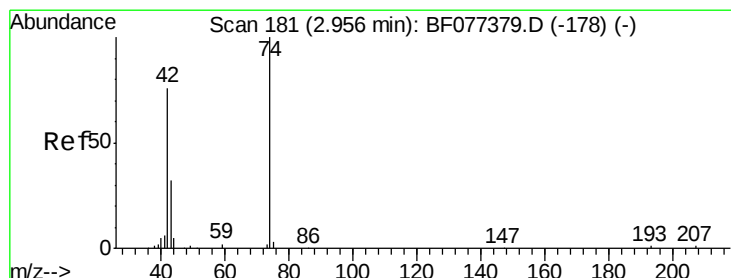
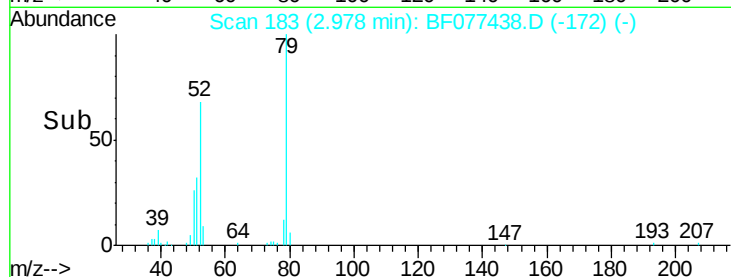
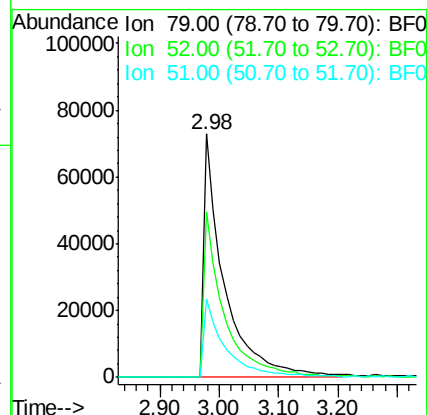
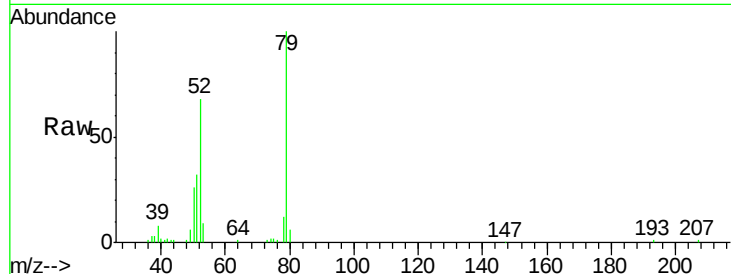
#3
Pyridine
Concen: 33.05 ng
RT: 2.98 min Scan# 183
Delta R.T. 0.02 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
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DRILL-CUTTINGSMS

Tgt Ion	Ratio	Lower	Upper
79	100		
52	67.9	57.7	86.5
51	32.4	28.5	42.7

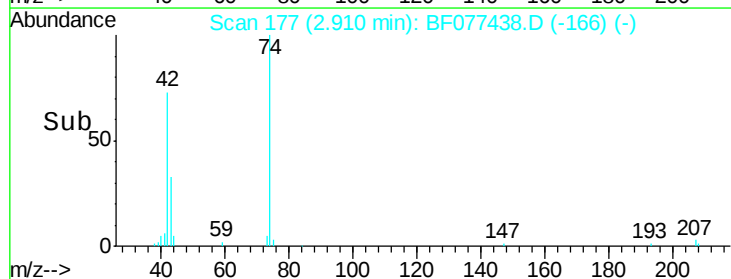
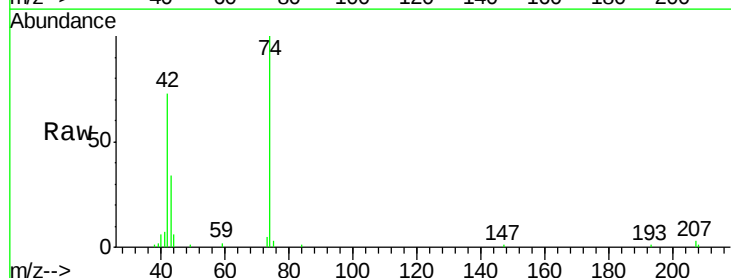
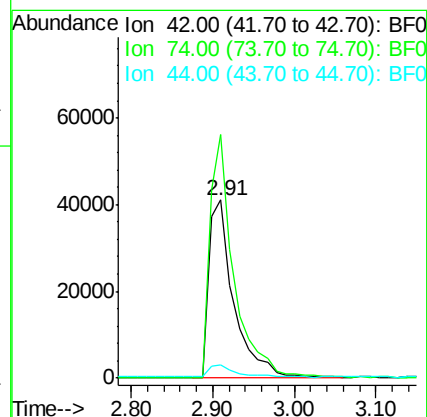
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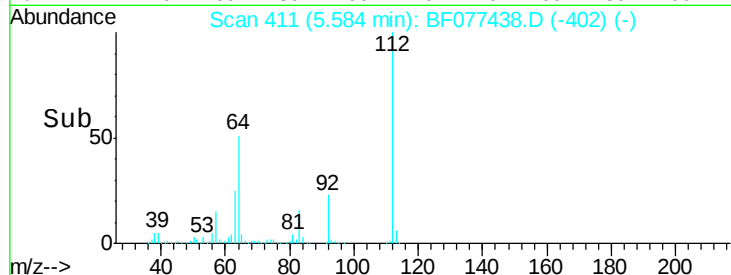
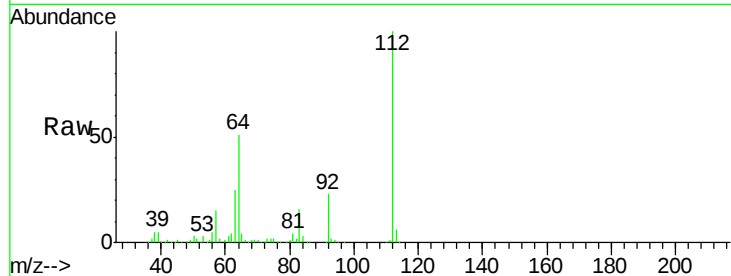
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#4
n-Nitrosodimethylamine
Concen: 37.95 ng
RT: 2.91 min Scan# 177
Delta R.T. 0.02 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion	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

Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	342715		
64	50.6	48.5	72.7	
63	25.3	25.0	37.4	

Instrument :

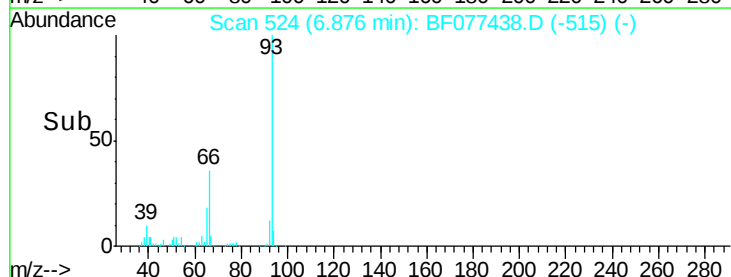
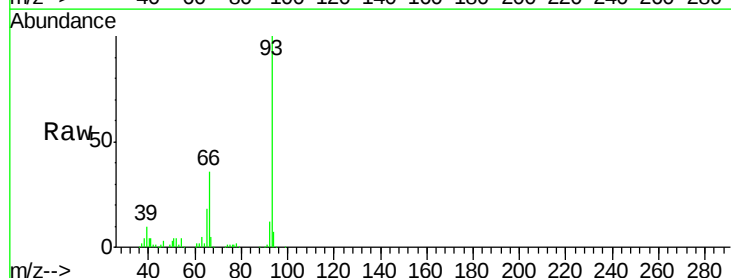
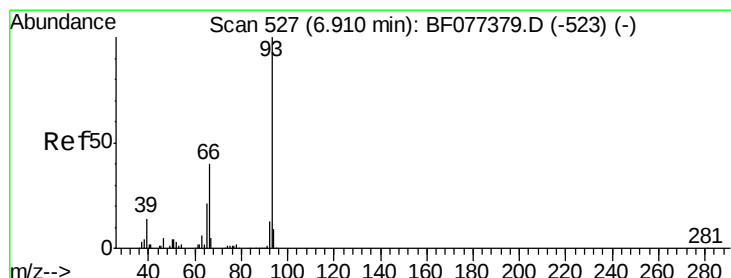
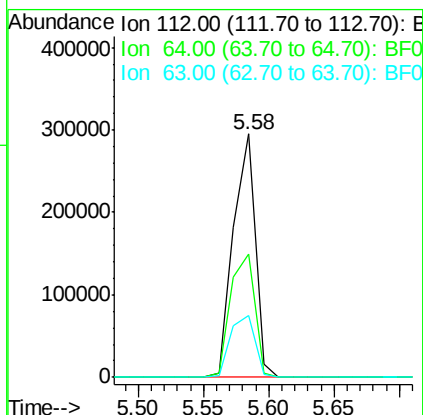
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#6

Aniline

Concen: 19.52 ng

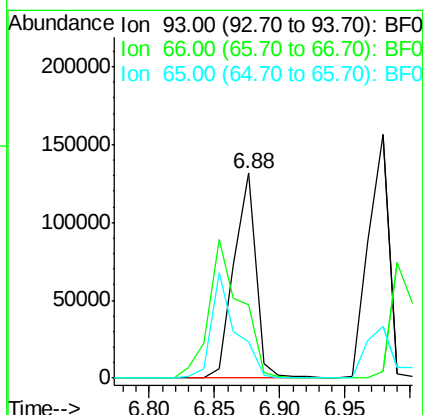
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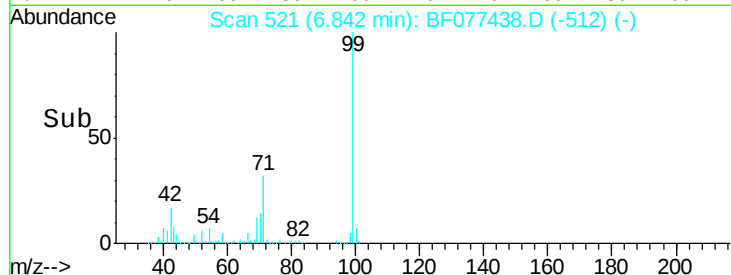
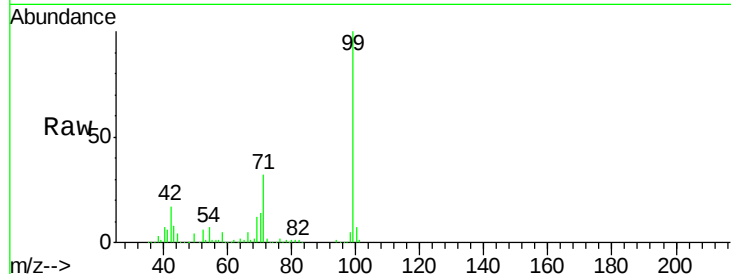
Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	153940		
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

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	437905		
42	17.1	16.2	24.4	
71	31.9	26.7	40.1	

Instrument :

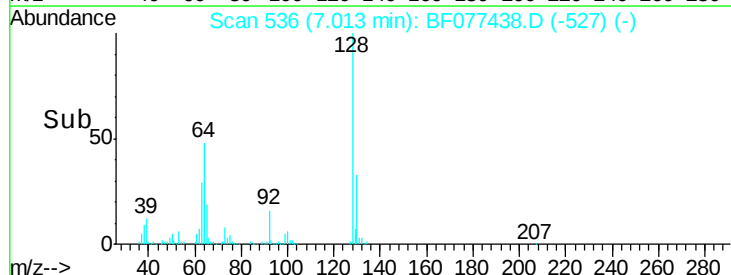
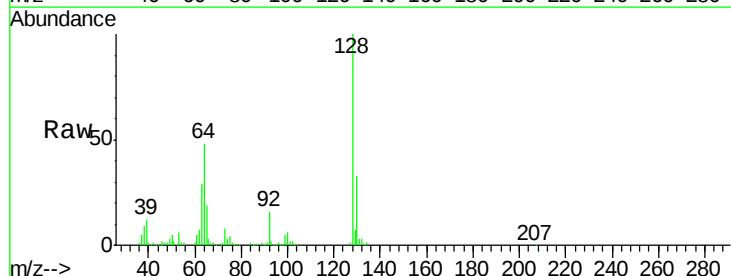
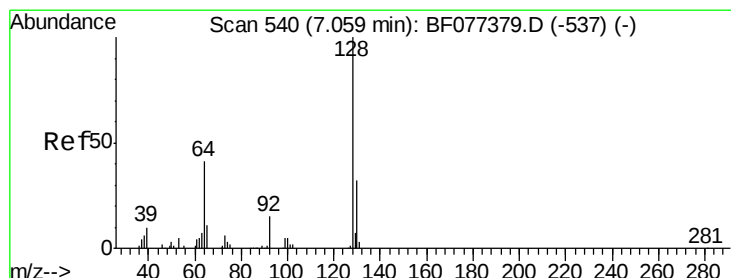
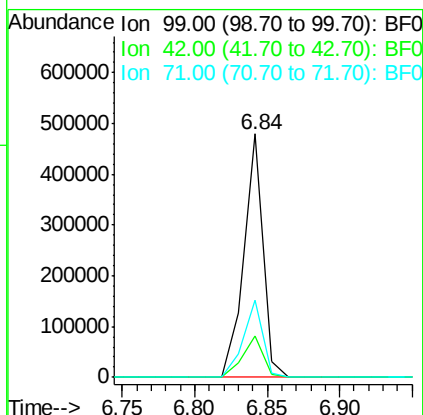
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#8

2-Chlorophenol

Concen: 36.69 ng

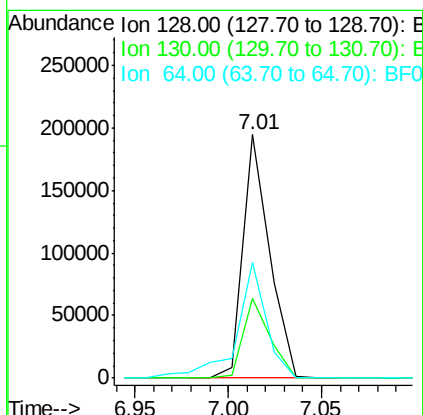
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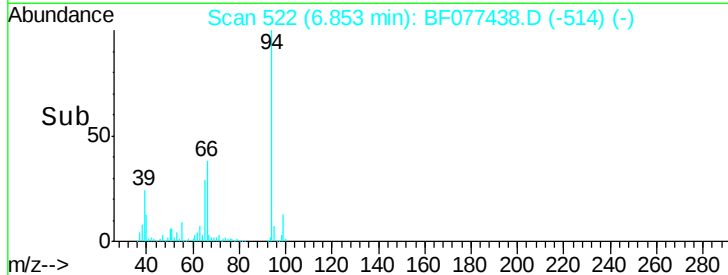
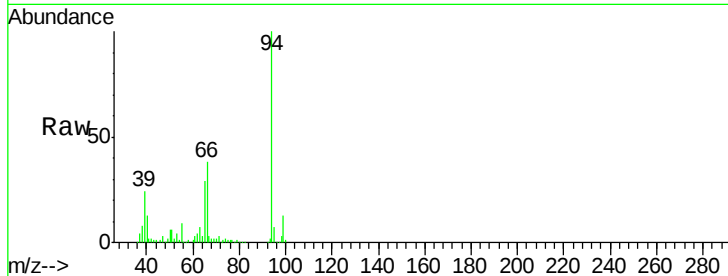
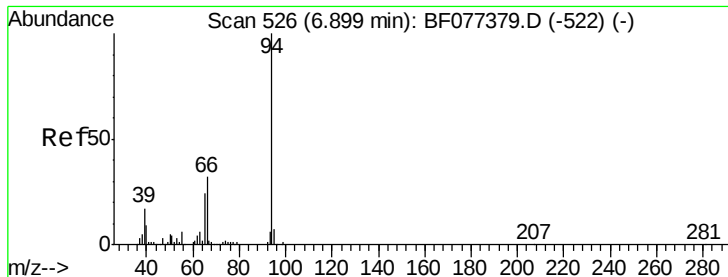
Delta R.T. 0.00 min

Lab File: BF077438.D

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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	192097		
130	32.6	12.0	52.0	
64	47.5	29.2	69.2	





#10

Phenol

Concen: 34.18 ng

RT: 6.85 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

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

Instrument :

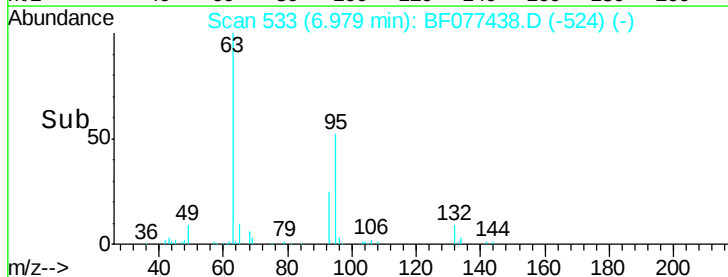
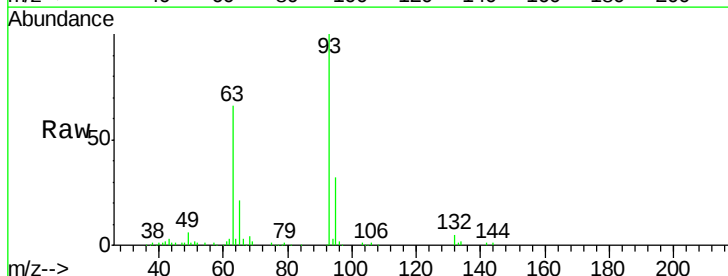
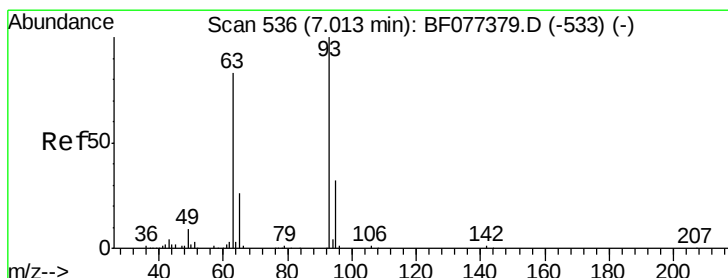
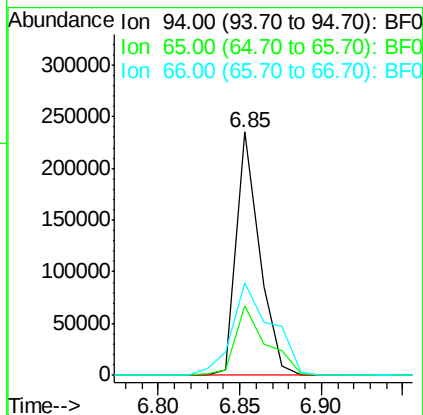
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#11

bis(2-Chloroethyl)ether

Concen: 34.62 ng

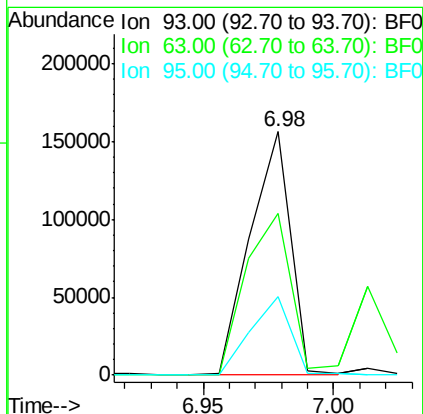
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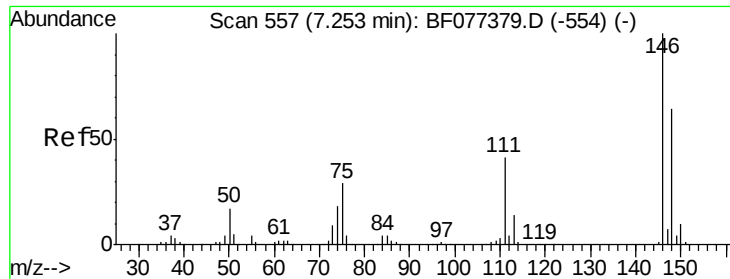
Delta R.T. 0.00 min

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





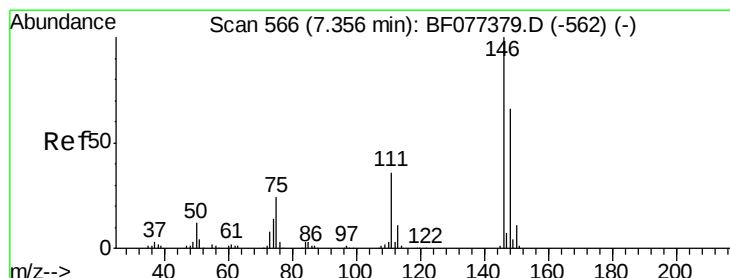
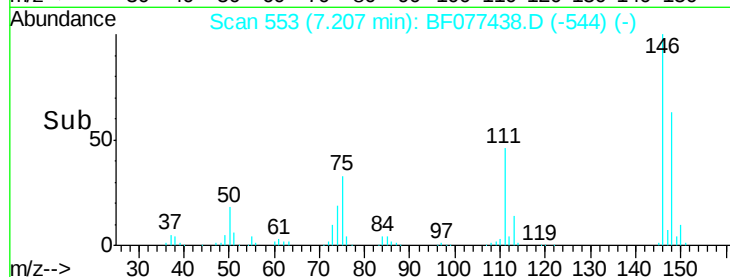
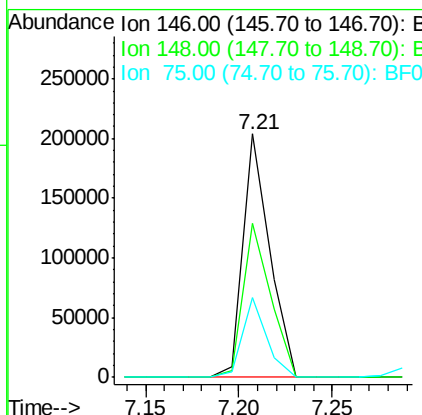
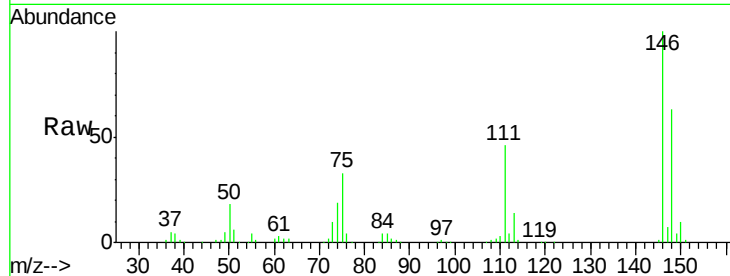
#12
 1,3-Dichlorobenzene
 Concen: 35.54 ng
 RT: 7.21 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

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

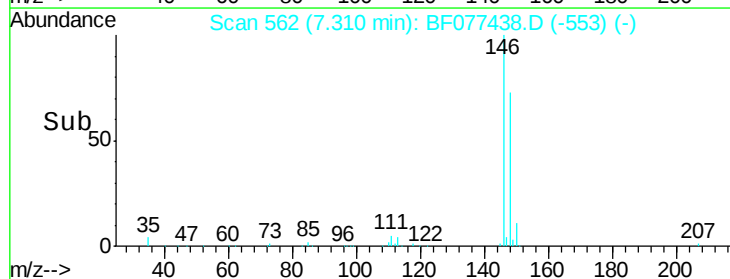
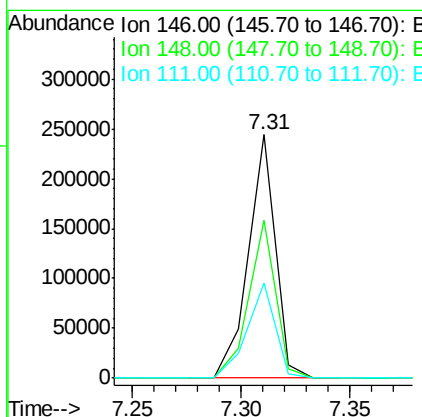
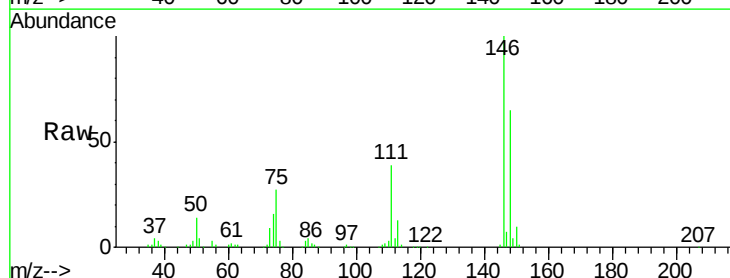
Manual Integrations
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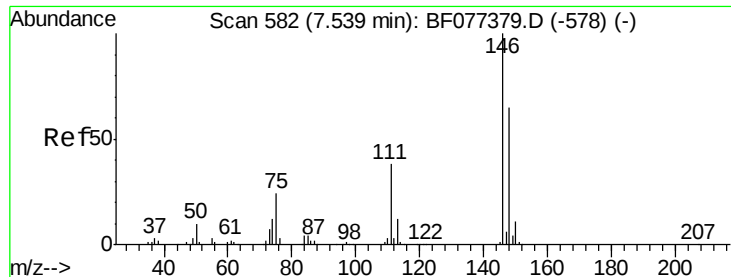
apatel
 2/27/2015 10:55:52 AM



#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	Ratio	Resp	Lower	Upper
146	100	210311		
148	65.0	52.0	78.0	
111	38.9	31.9	47.9	





#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

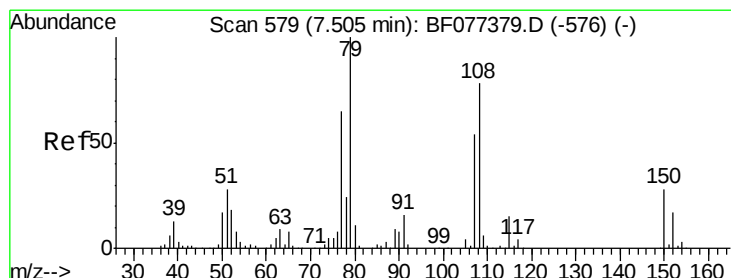
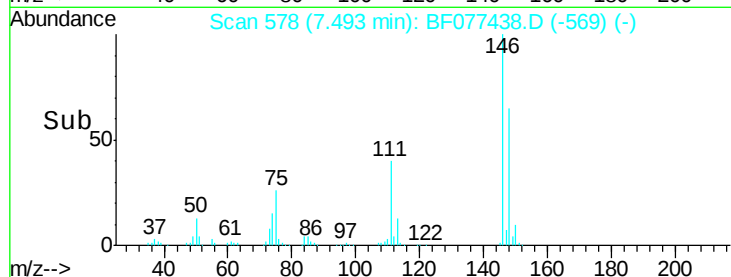
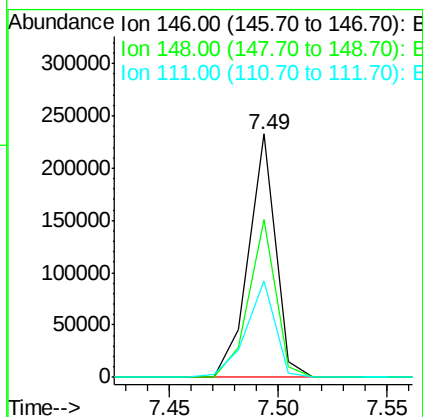
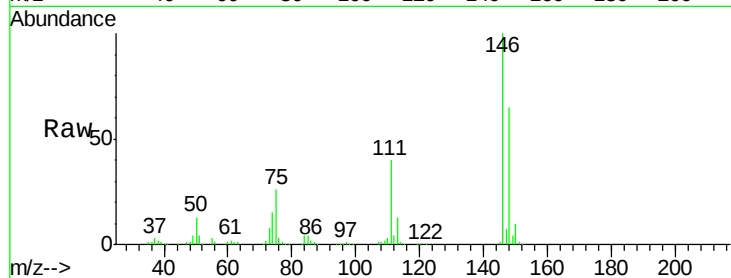
ClientSampleId :

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

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#15

Benzyl Alcohol

Concen: 35.92 ng

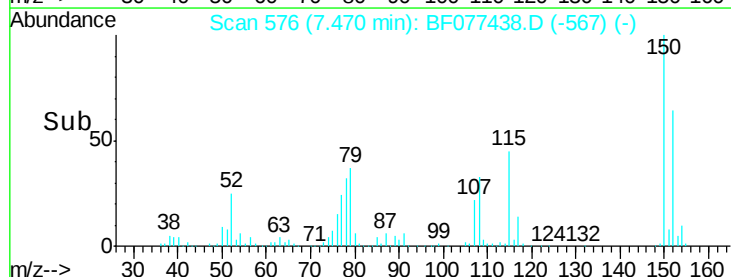
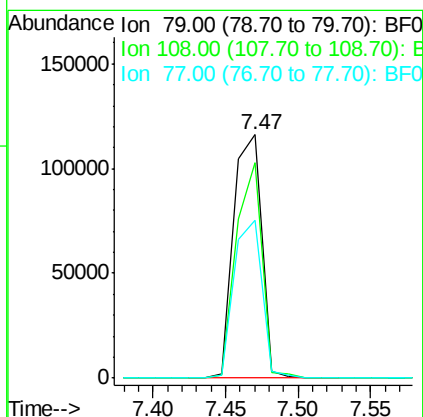
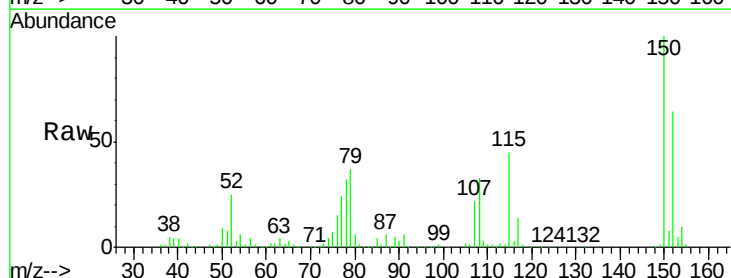
RT: 7.47 min Scan# 576

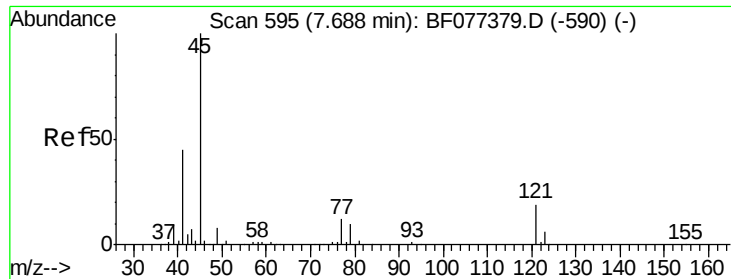
Delta R.T. 0.00 min

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





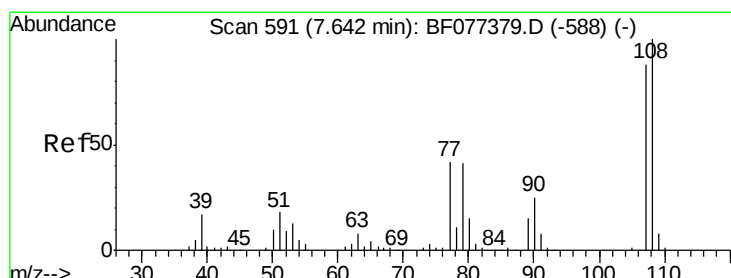
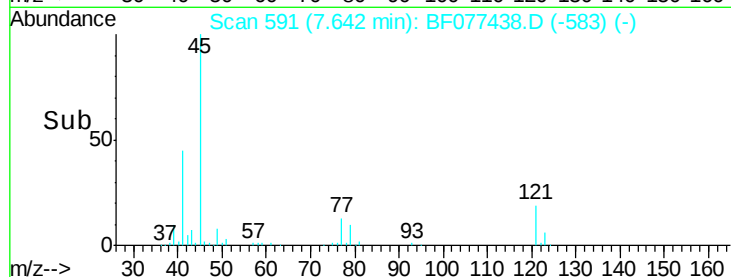
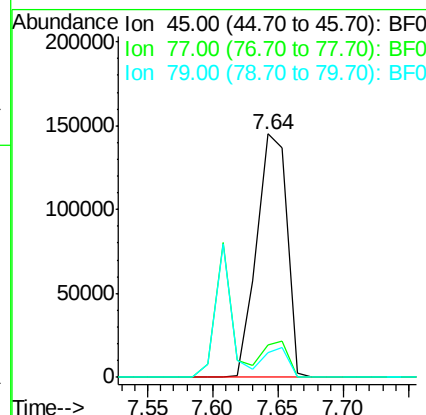
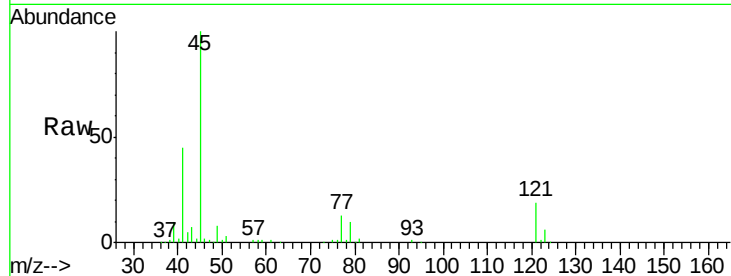
#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.93 ng
RT: 7.64 min Scan# 591
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

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

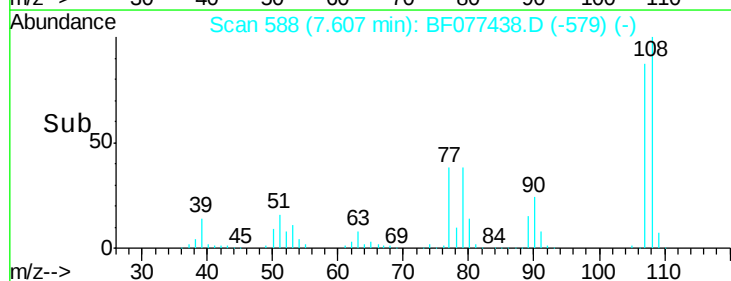
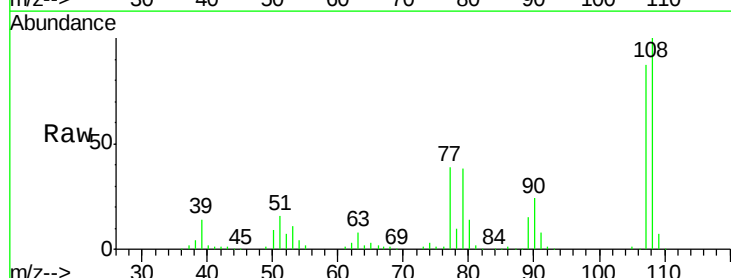
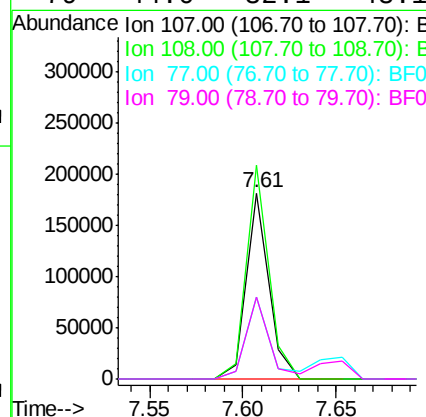
Manual Integrations
APPROVED

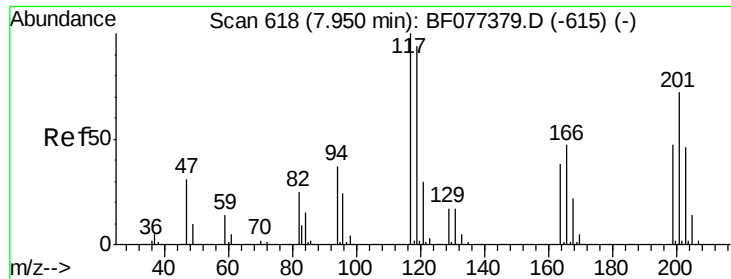
apatel
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#17
2-Methylphenol
Concen: 37.41 ng
RT: 7.61 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

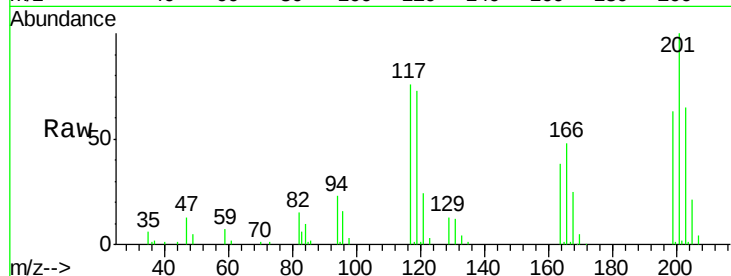
Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	115.0	91.2	136.8
77	44.3	33.6	50.4
79	44.0	32.1	48.1





#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

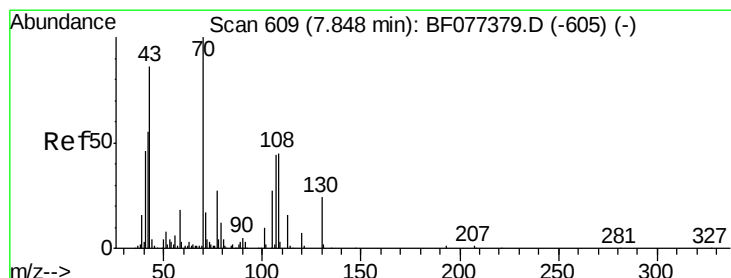
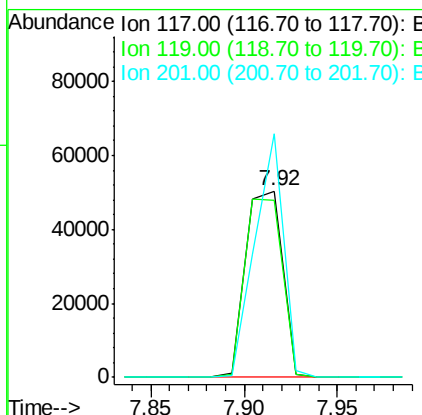
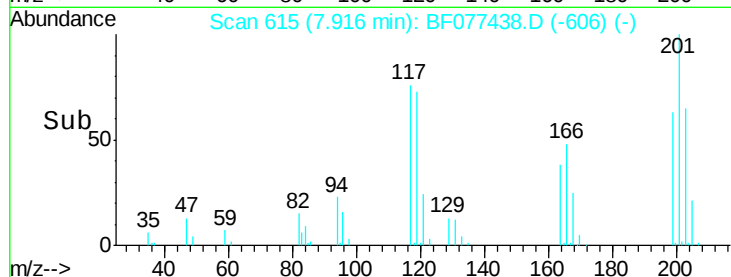
Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS



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

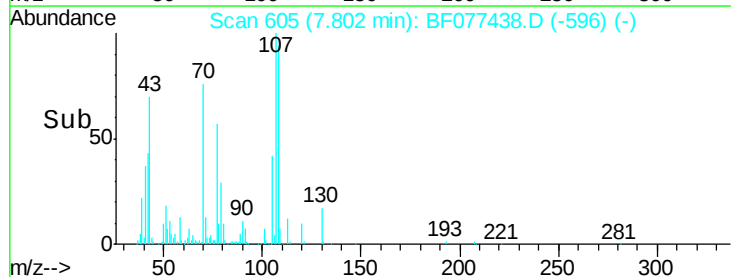
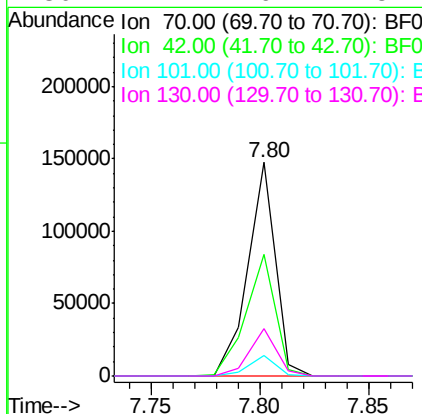
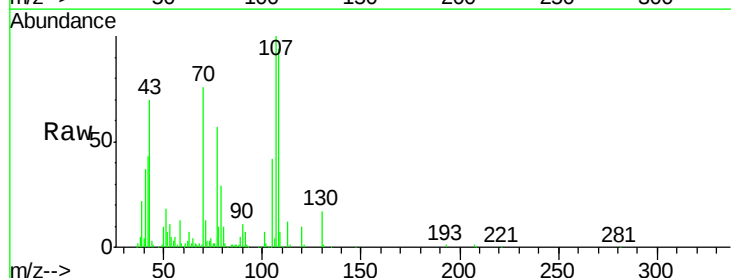
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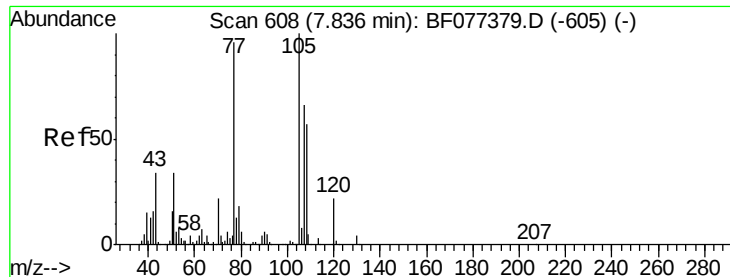
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#19
n-Nitroso-di-n-propylamine
Concen: 35.78 ng
RT: 7.80 min Scan# 605
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

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





#20

3+4-Methylphenols

Concen: 36.83 ng

RT: 7.80 min Scan# 605

Delta R.T. 0.00 min

Lab File: BF077438.D

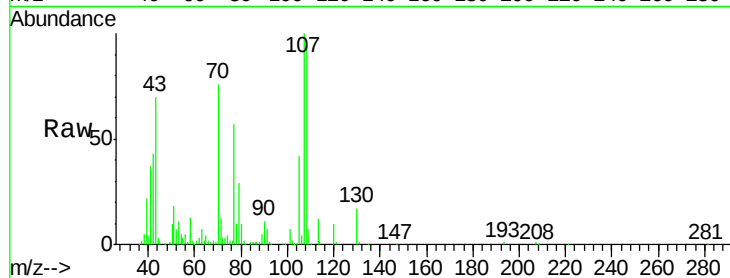
Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS



Tgt Ion:107 Resp: 198525

Ion Ratio Lower Upper

107 100

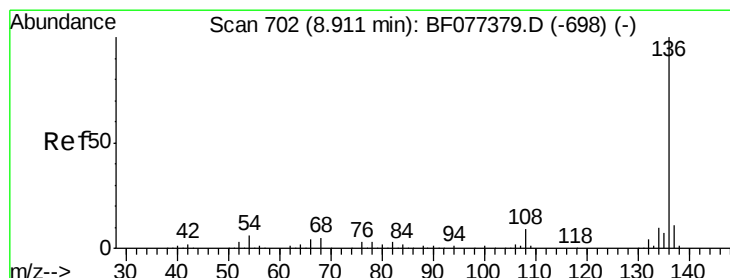
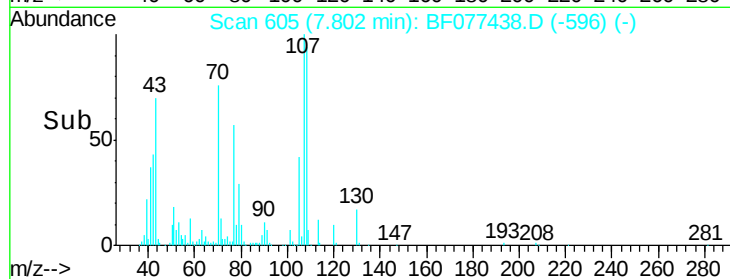
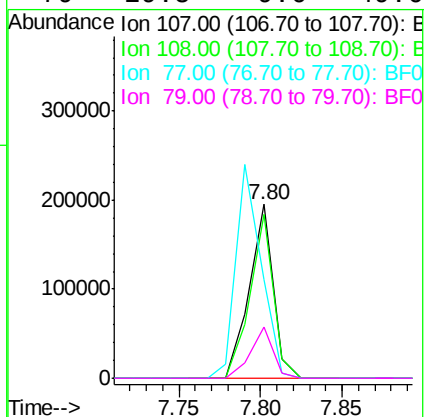
108 94.1 76.8 116.8

77 56.7 65.8 105.8

79 29.5 9.6 49.6

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#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

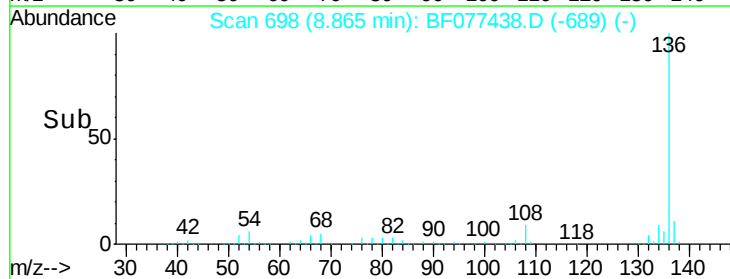
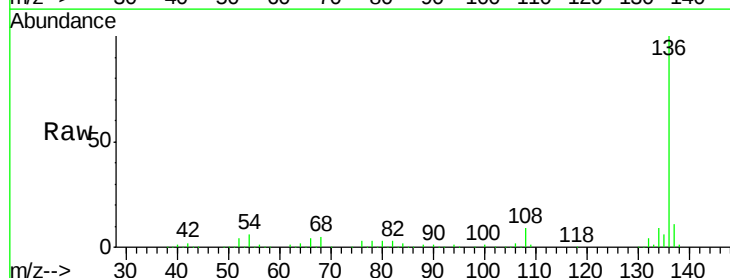
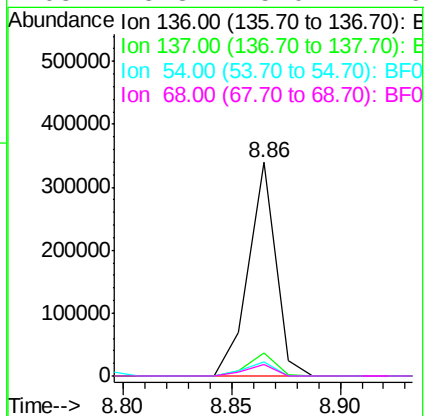
Ion Ratio Lower Upper

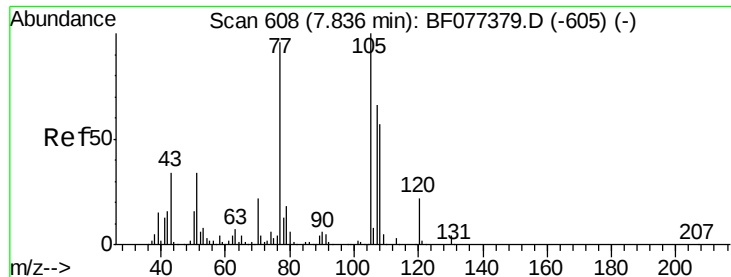
136 100

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

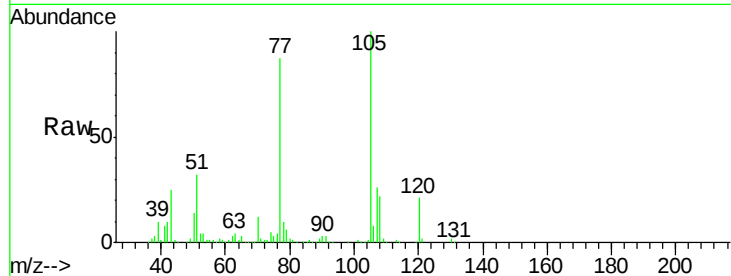
Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

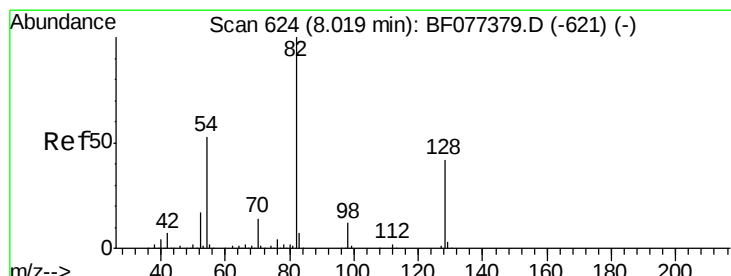
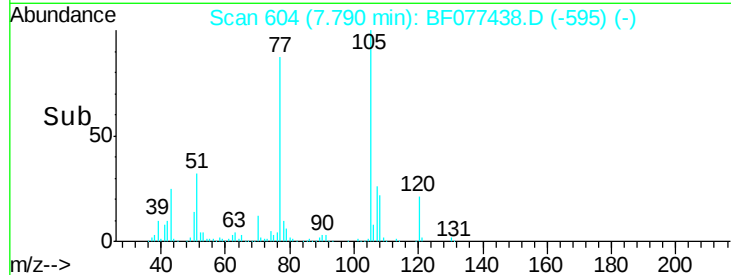
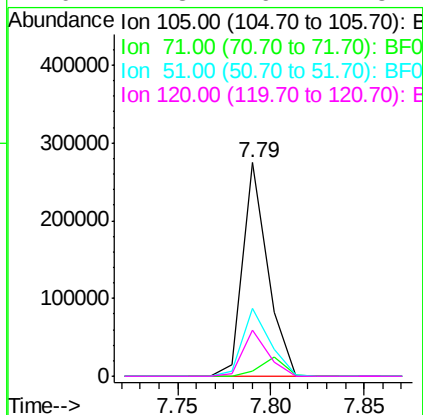
DRILL-CUTTINGSMS



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	256022		
71	71	2.1	1.7	2.5	
51	51	31.7	30.7	46.1	
120	120	21.3	16.7	25.1	

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#23

Nitrobenzene-d5

Concen: 65.05 ng

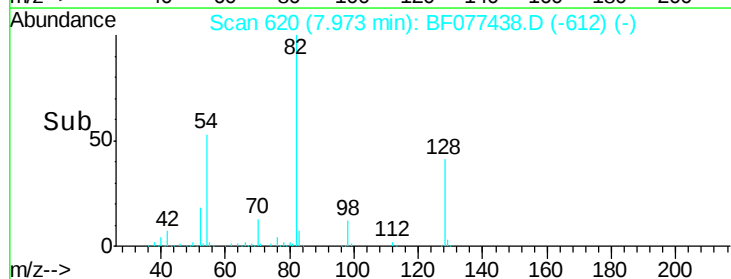
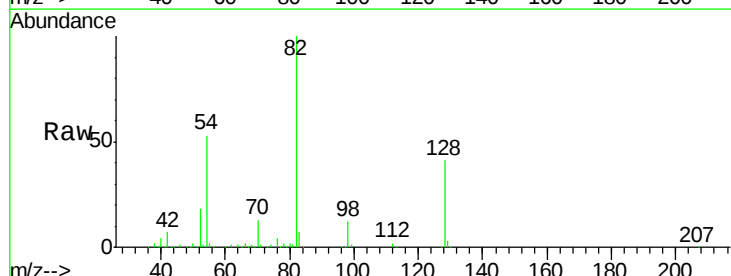
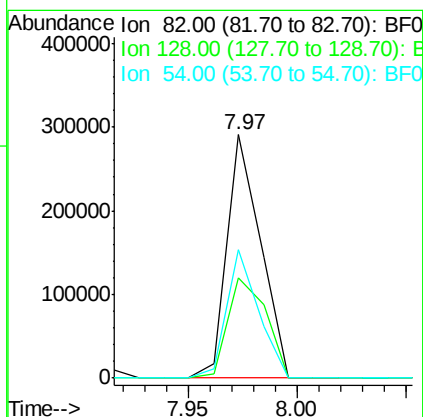
RT: 7.97 min Scan# 620

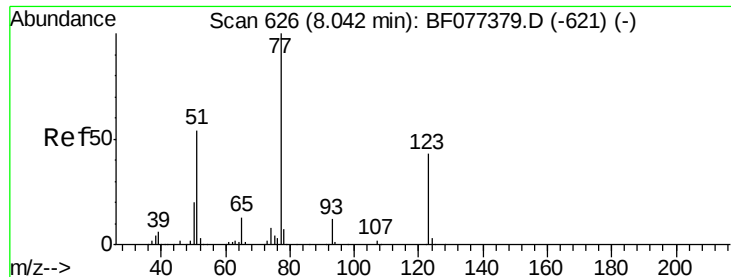
Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	82	100	310590		
128	128	41.1	43.8	65.8#	
54	54	52.6	36.7	55.1	





#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

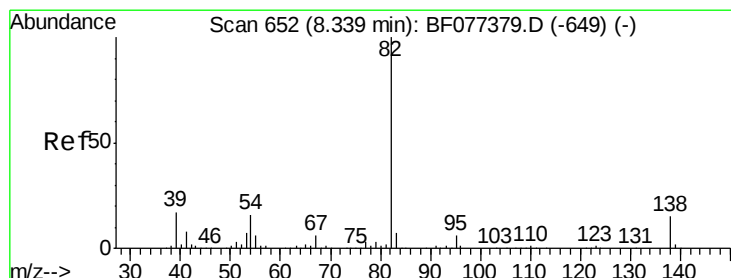
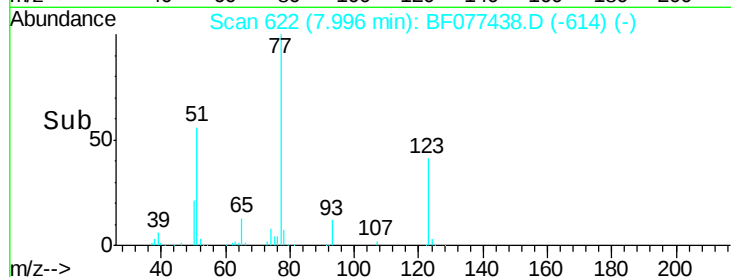
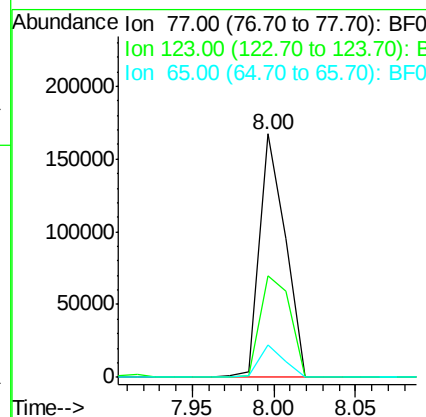
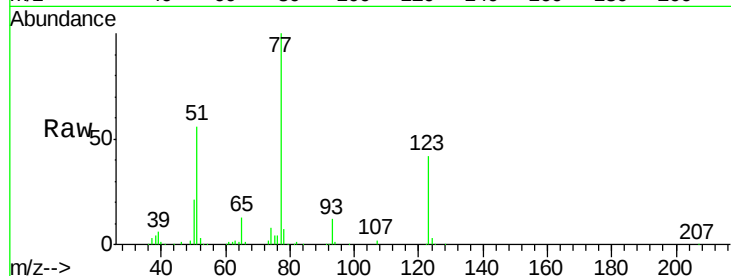
ClientSampleId :

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

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#25

Isophorone

Concen: 35.29 ng

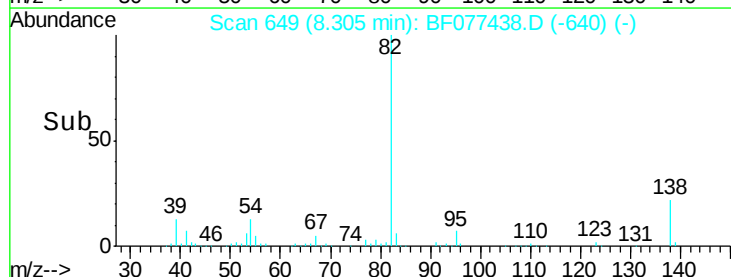
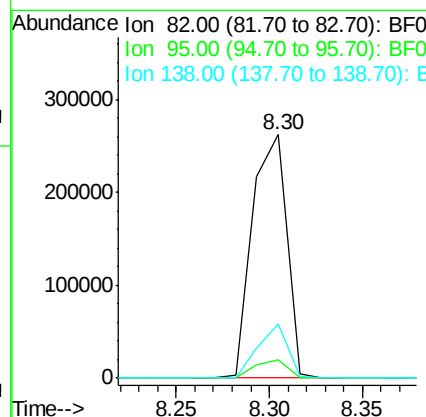
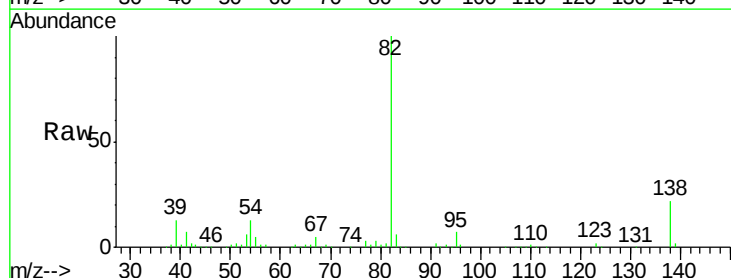
RT: 8.30 min Scan# 649

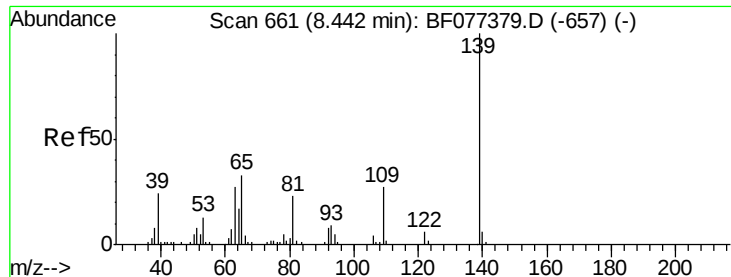
Delta R.T. 0.00 min

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





#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

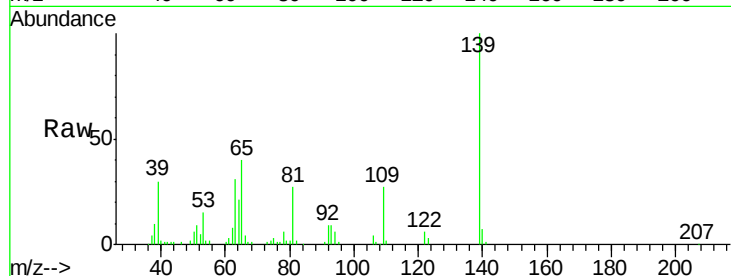
ClientSampleId :

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

Manual Integrations
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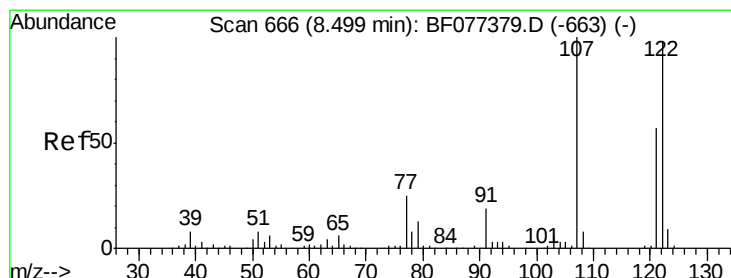
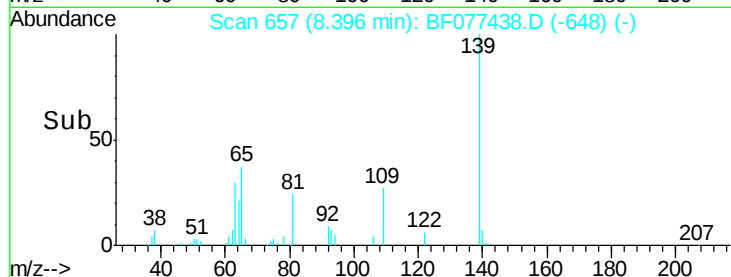
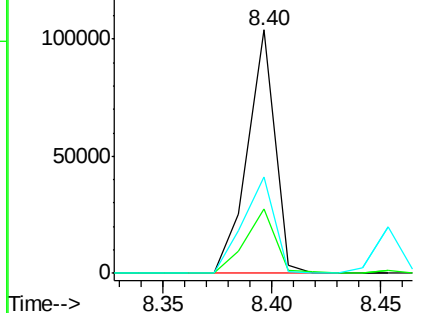
apatel
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Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#27

2,4-Dimethylphenol

Concen: 37.43 ng

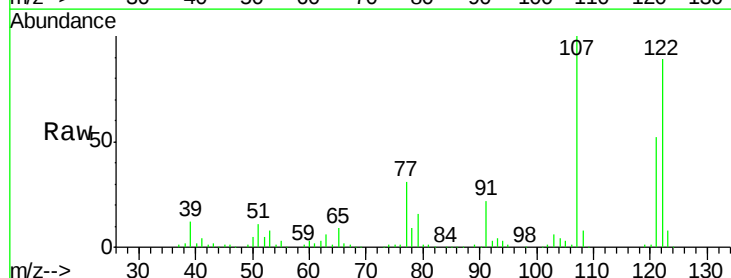
RT: 8.45 min Scan# 662

Delta R.T. 0.00 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

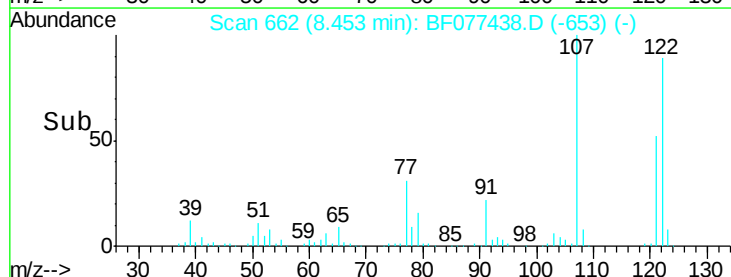
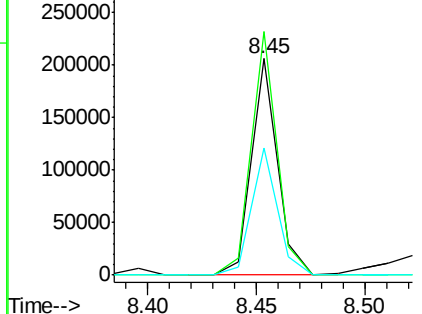
Tgt Ion:	122	Resp:	172415
Ion Ratio	Lower	Upper	
122	100		
107	112.5	86.6	130.0
121	58.7	47.4	71.0

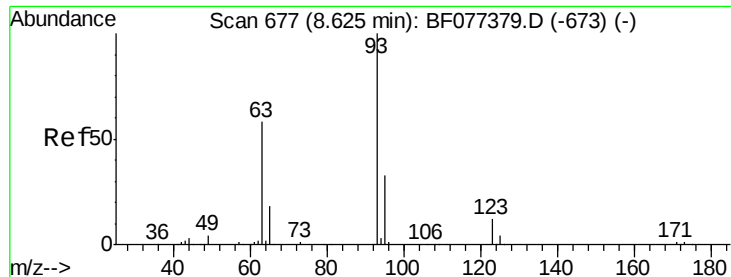


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





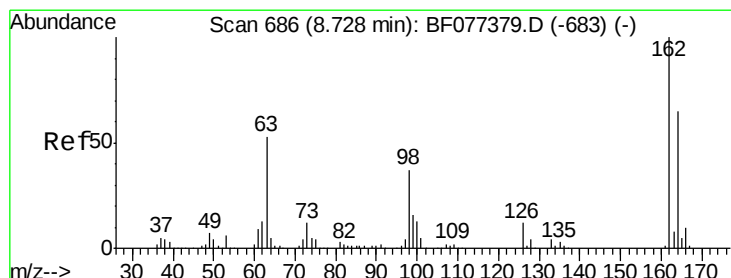
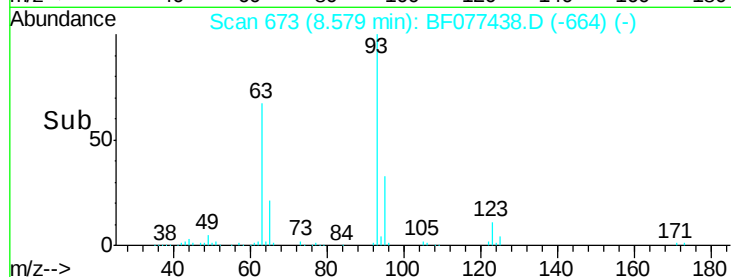
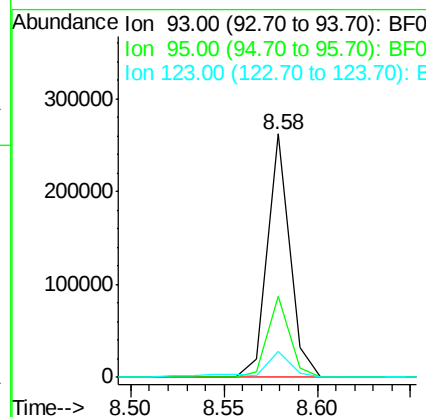
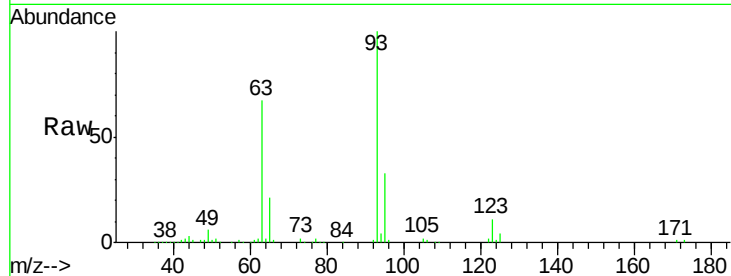
#28
bis(2-Chloroethoxy)methane
Concen: 36.03 ng
RT: 8.58 min Scan# 673
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

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

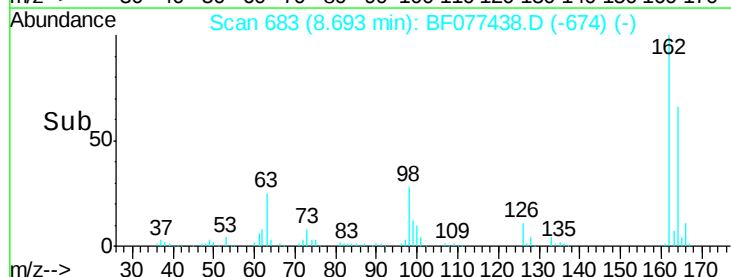
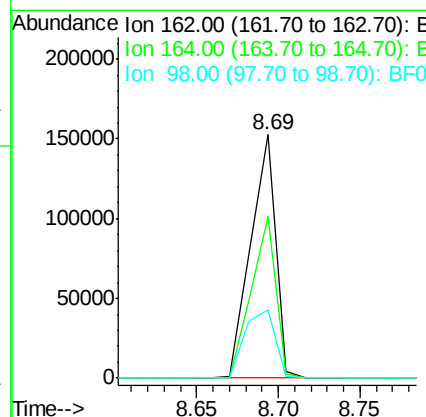
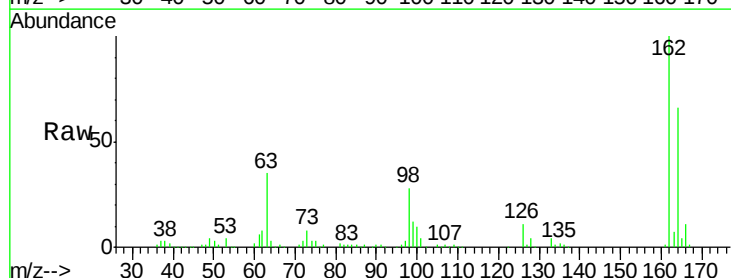
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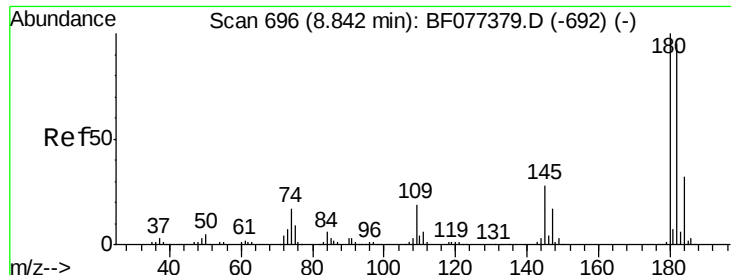
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#29
2,4-Dichlorophenol
Concen: 37.39 ng
RT: 8.69 min Scan# 683
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

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





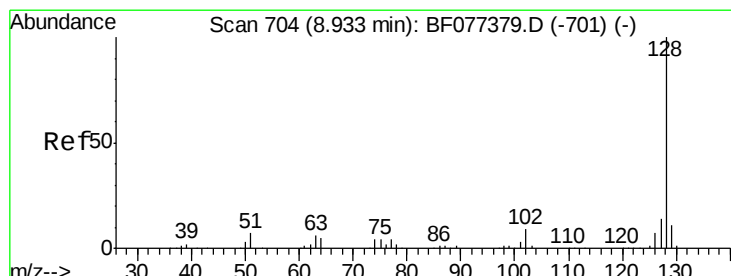
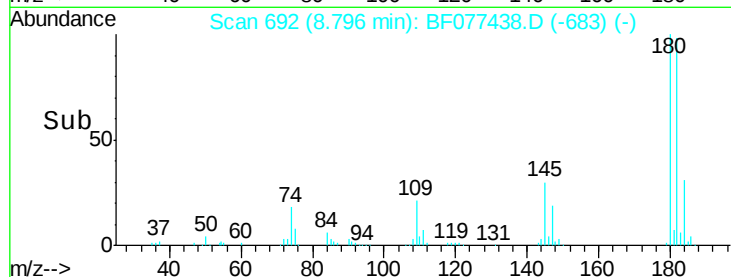
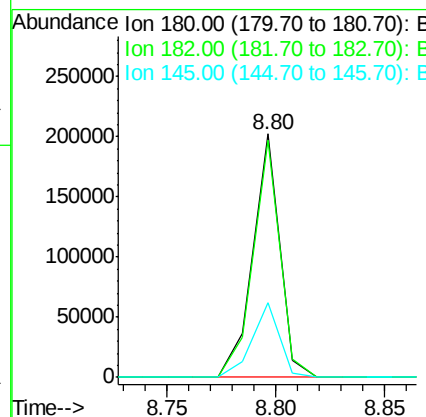
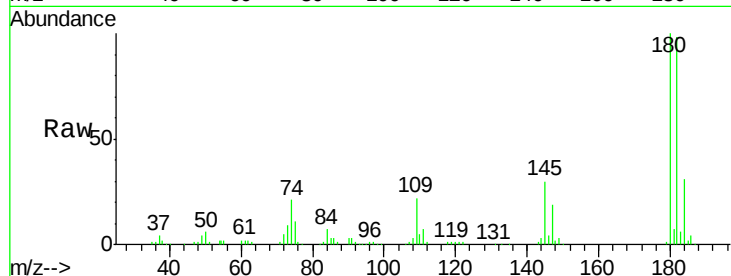
#30
 1,2,4-Trichlorobenzene
 Concen: 36.56 ng
 RT: 8.80 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

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

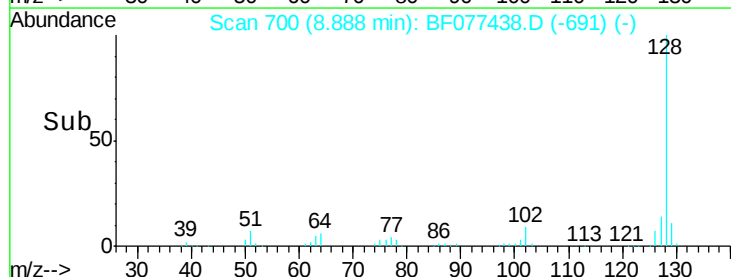
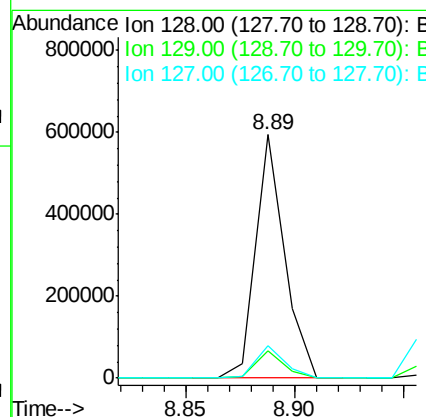
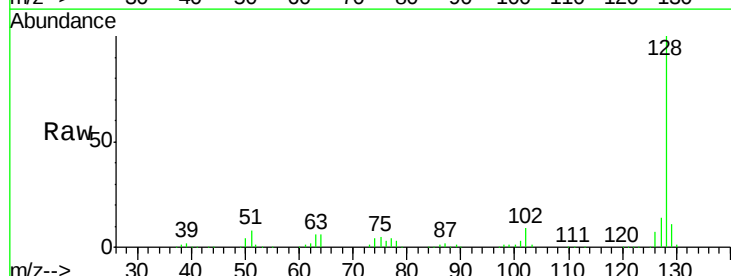
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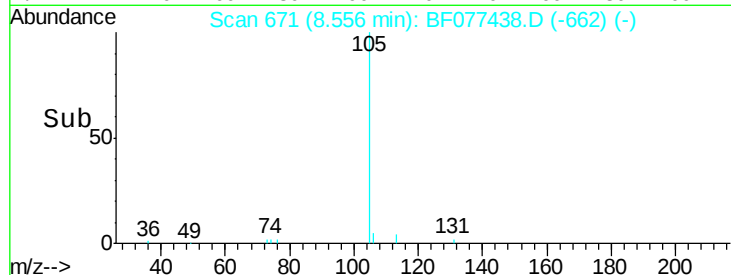
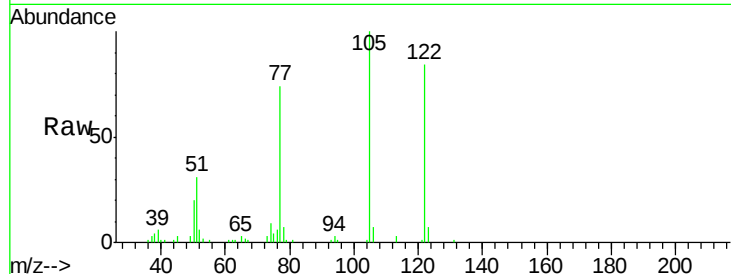
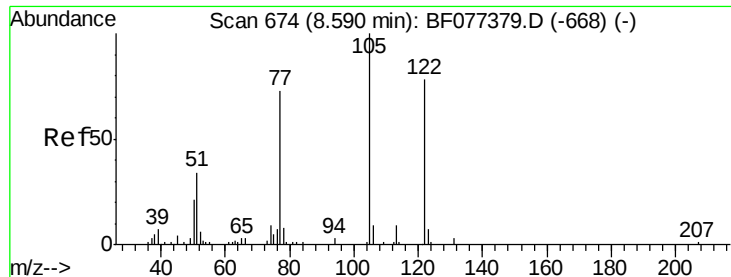
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#31
 Naphthalene
 Concen: 36.97 ng
 RT: 8.89 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	548941		
129	11.4	9.4	14.0	
127	13.5	10.6	15.8	





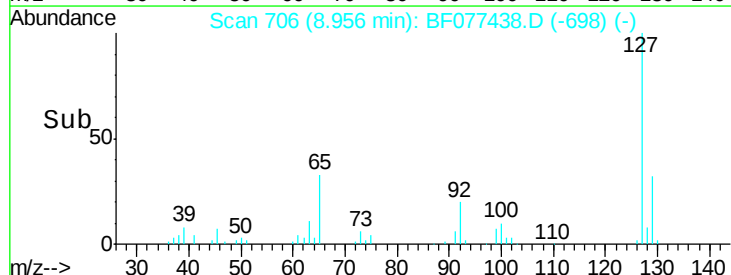
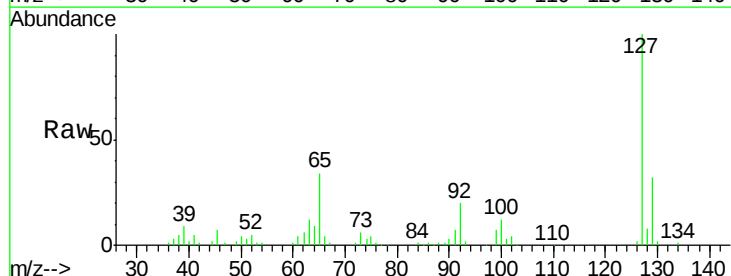
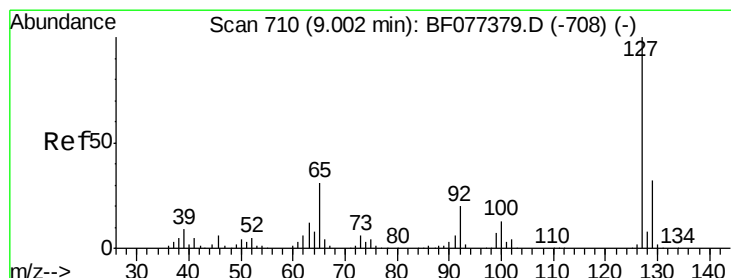
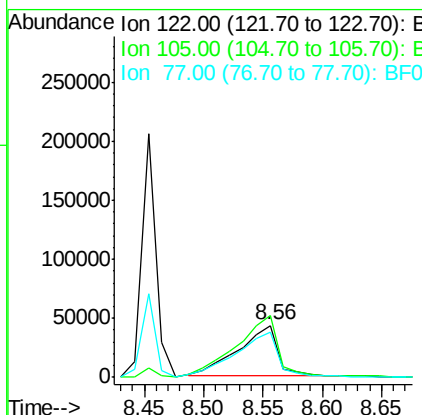
#32
Benzoic acid
Concen: 43.48 ng
RT: 8.56 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Lower	Upper
122	100		
105	118.8	100.3	140.3
77	87.7	68.7	108.7

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

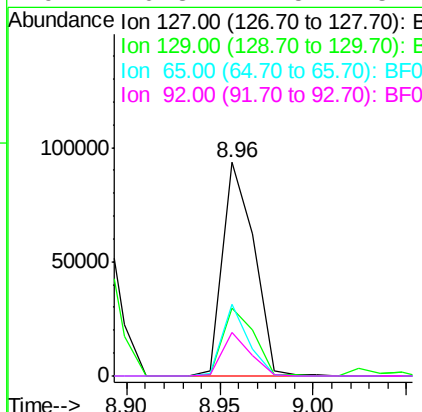
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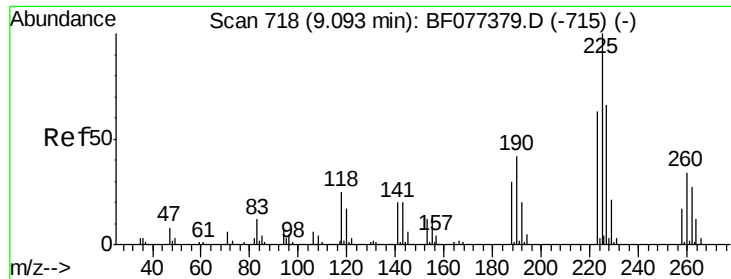
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#33
4-Chloroaniline
Concen: 16.71 ng
RT: 8.96 min Scan# 706
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion	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#





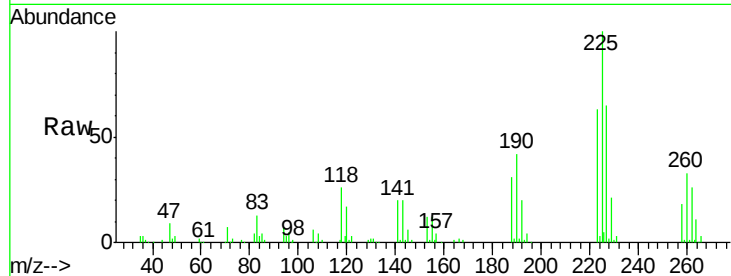
#34
Hexachlorobutadiene
Concen: 36.36 ng
RT: 9.05 min Scan# 714
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98693		
223	62.6	49.5	74.3	
227	64.7	50.5	75.7	

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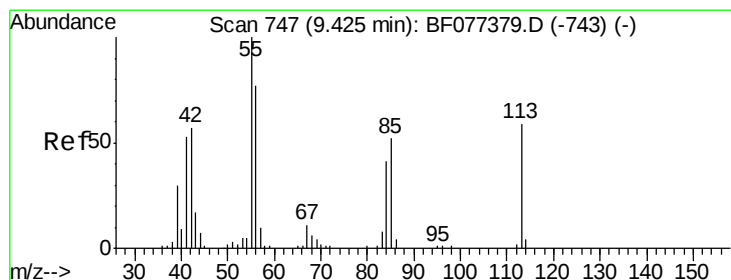
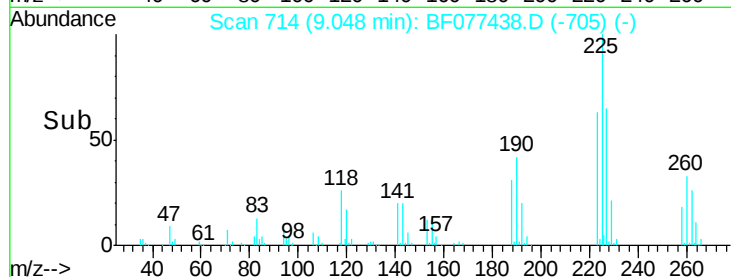
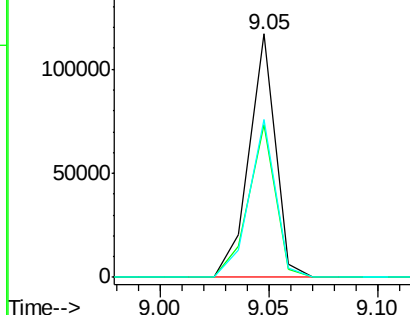


Abundance

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

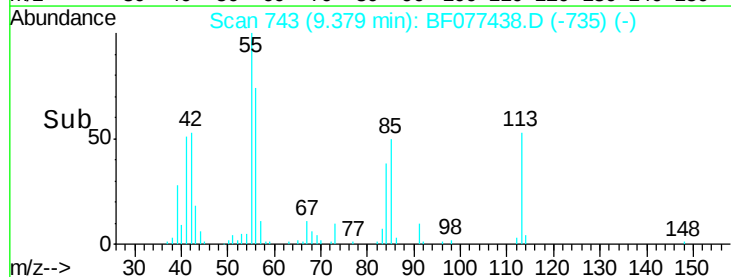
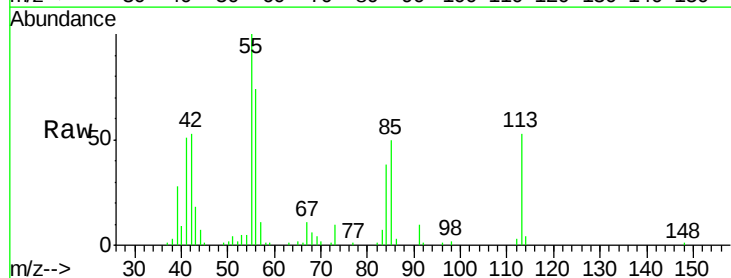
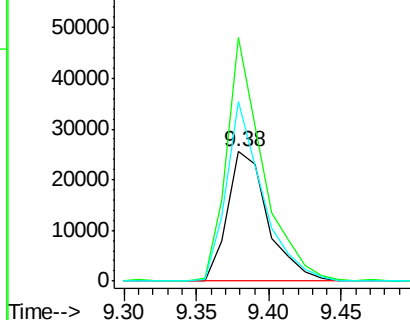
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	49521		
55	188.1	154.6	194.6	
56	138.4	114.0	154.0	

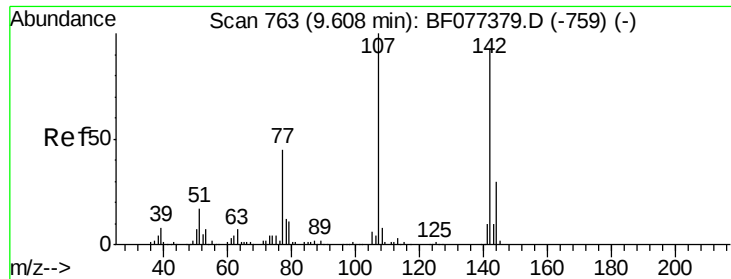
Abundance

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

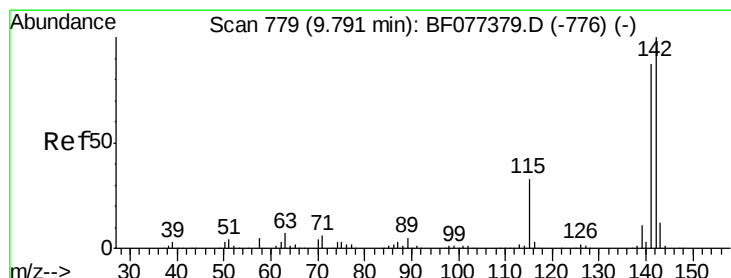
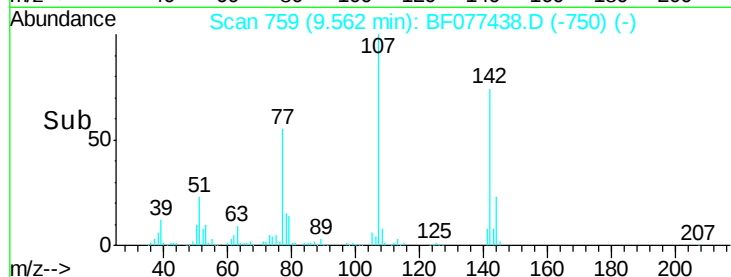
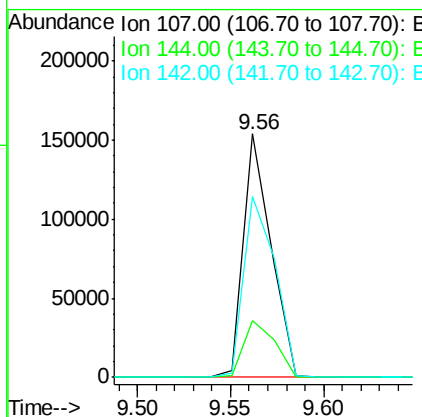
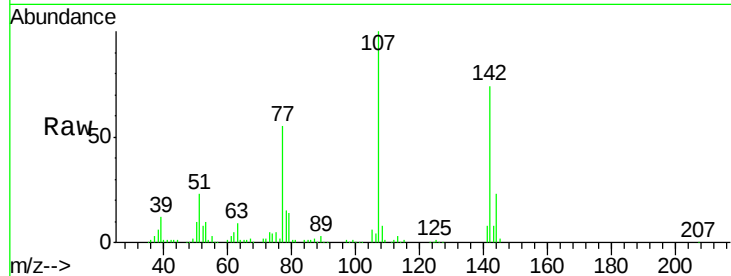
ClientSampleId :

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

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#37

2-Methylnaphthalene

Concen: 35.26 ng

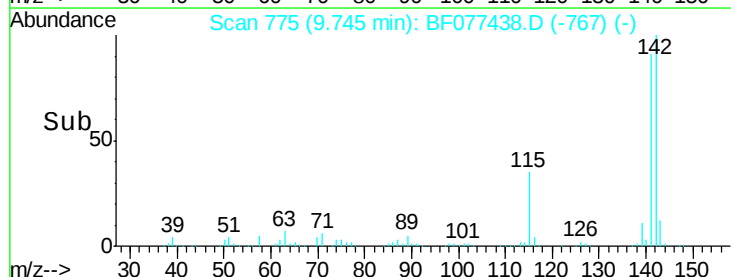
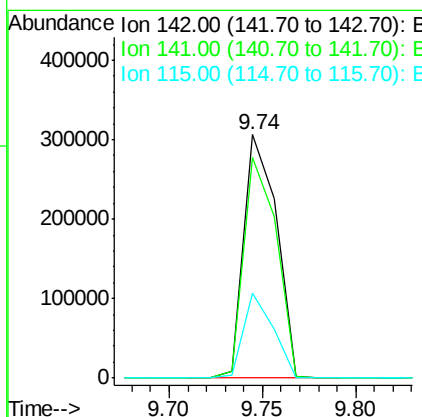
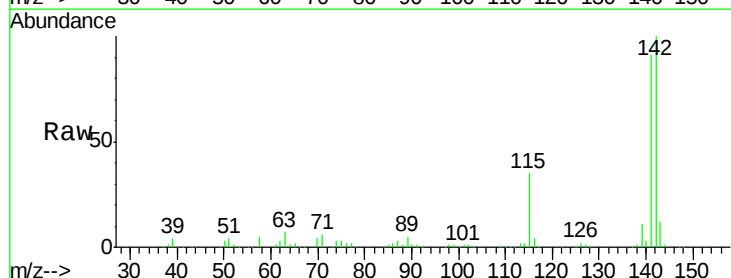
RT: 9.74 min Scan# 775

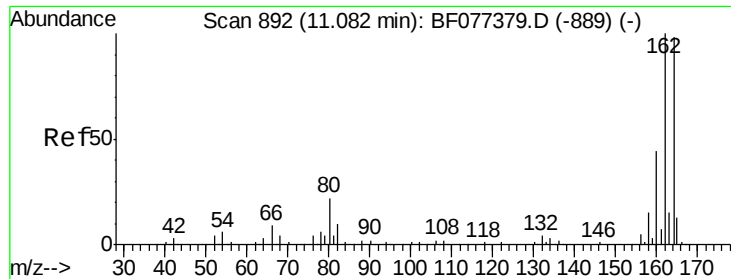
Delta R.T. -0.01 min

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





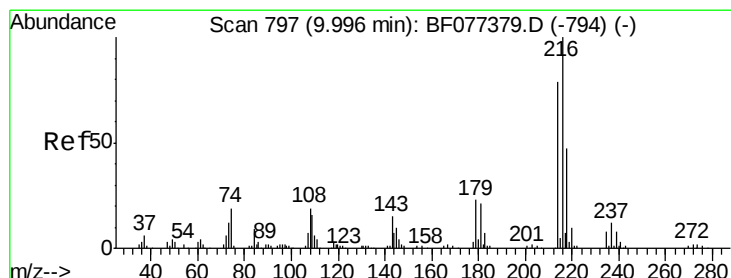
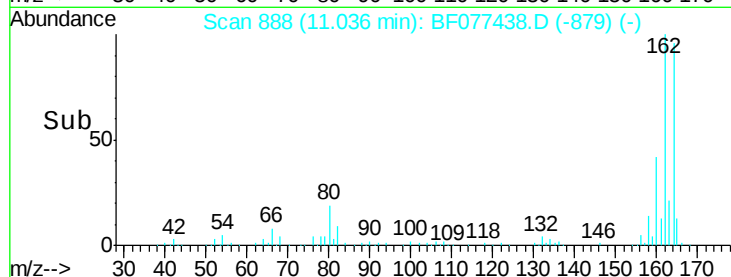
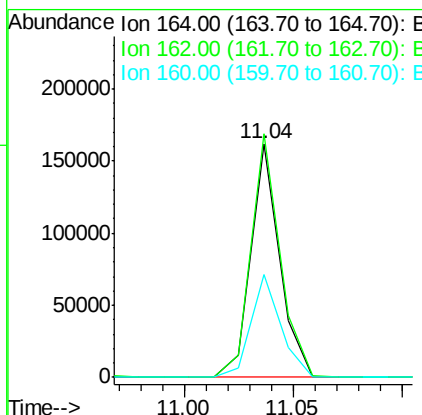
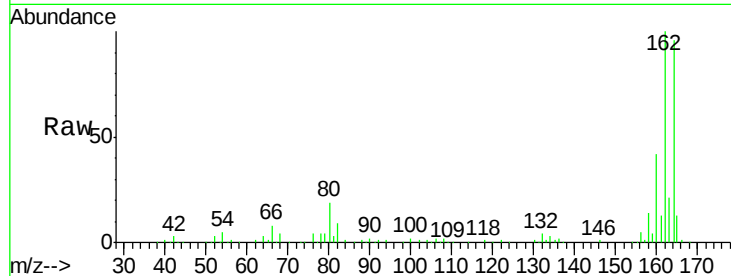
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.04 min Scan# 888
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	148746		
162	104.2	83.2	124.8	
160	44.1	34.6	52.0	

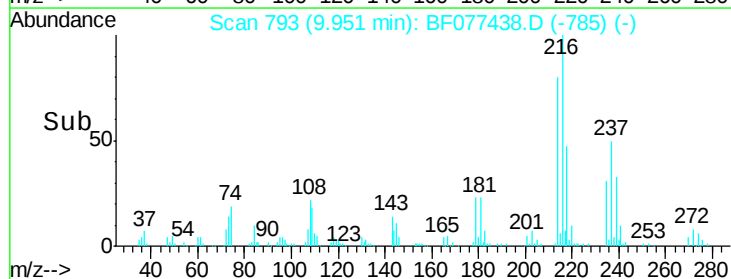
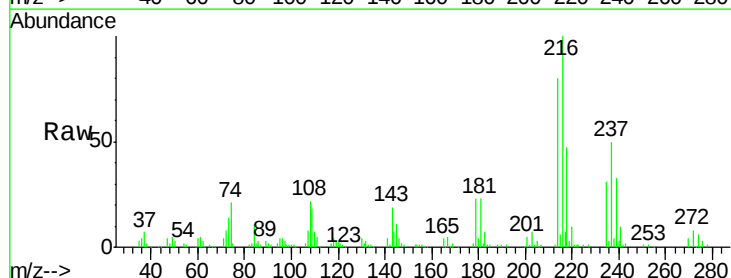
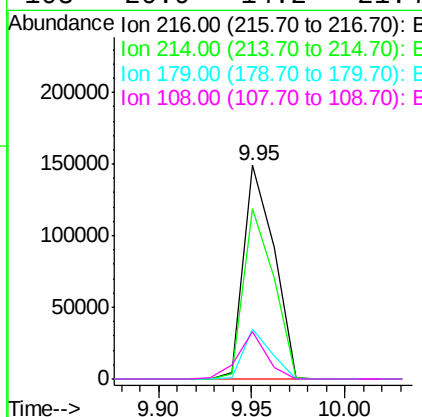
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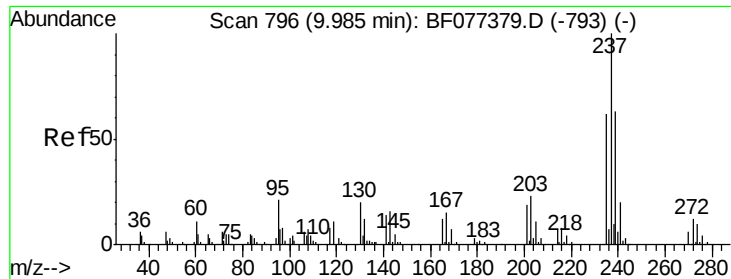
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#39
1,2,4,5-Tetrachlorobenzene
Concen: 39.58 ng
RT: 9.95 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	168932		
214	78.7	63.4	95.0	
179	21.2	16.6	25.0	
108	20.9	14.2	21.4	





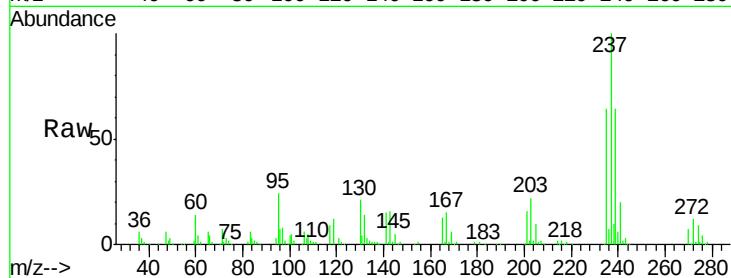
#40
Hexachlorocyclopentadiene
Concen: 79.87 ng
RT: 9.94 min Scan# 792
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

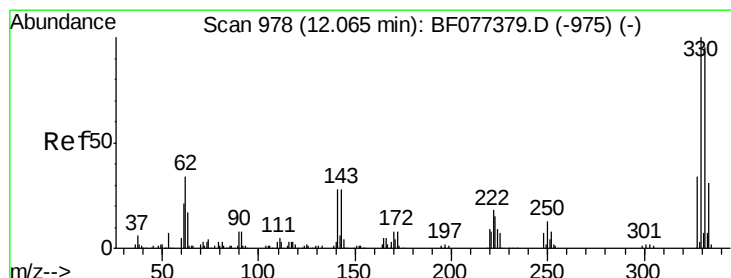
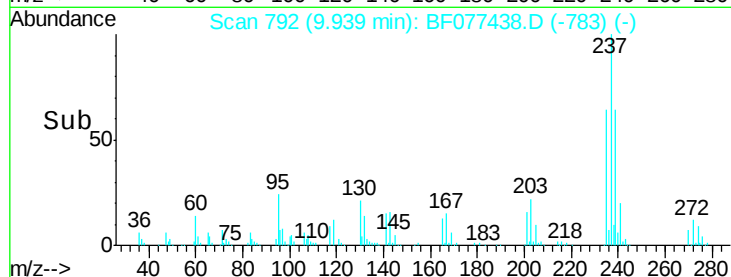
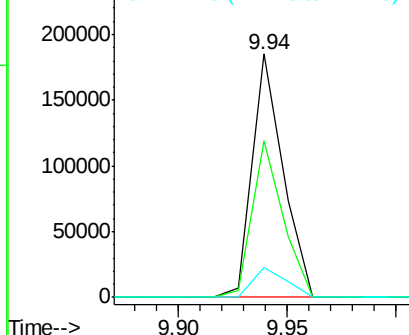
Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	64.5	41.0	81.0
272	12.4	0.0	34.3

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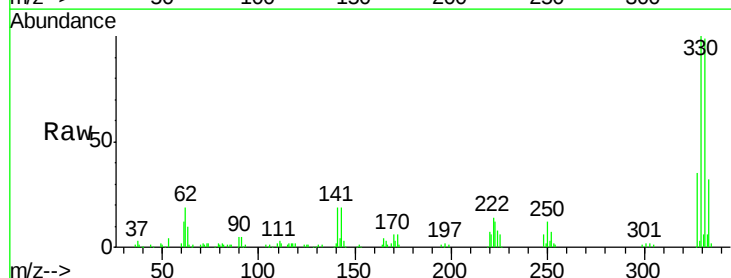


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

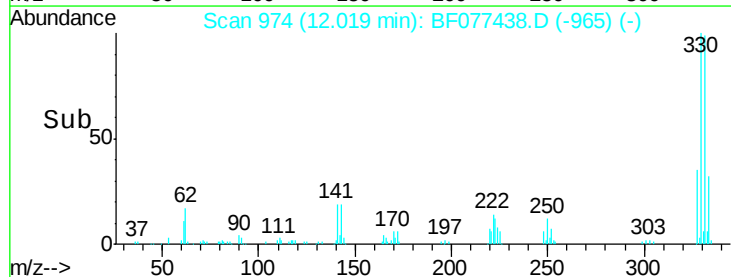
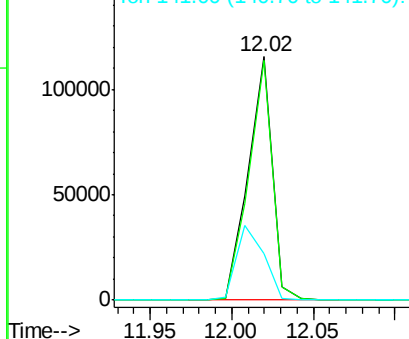


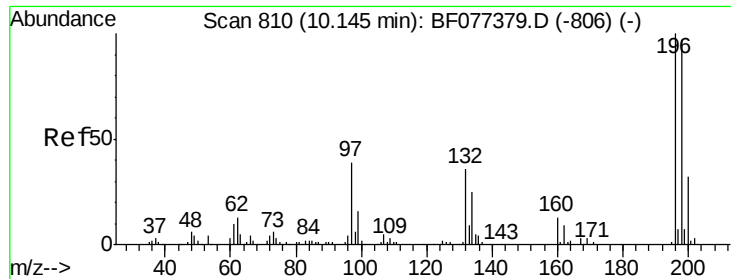
#41
2,4,6-Tribromophenol
Concen: 82.73 ng
RT: 12.02 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Resp Lower	Resp 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





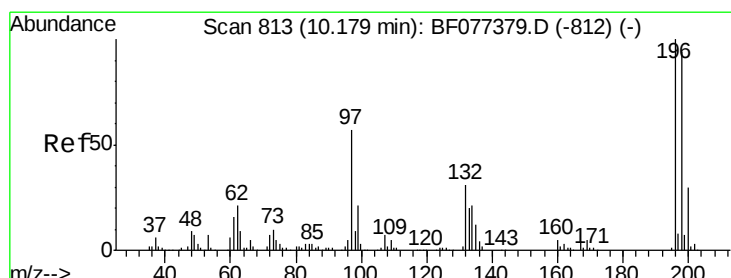
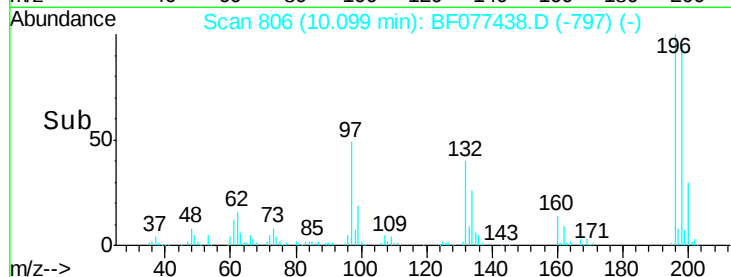
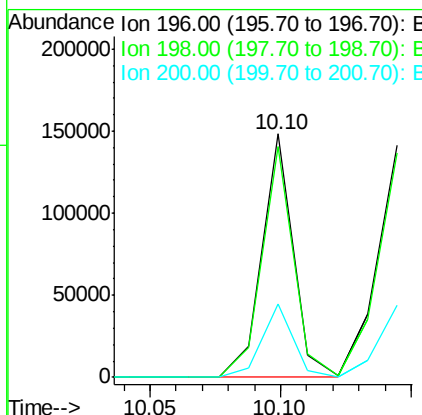
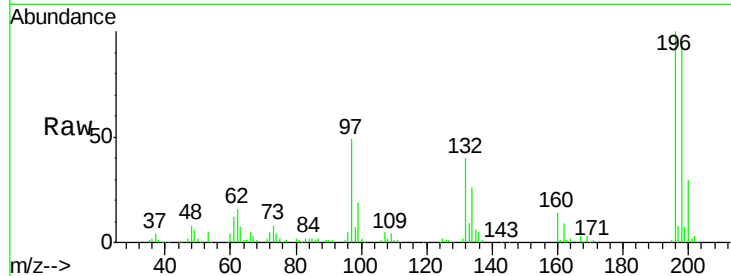
#42
 2,4,6-Trichlorophenol
 Concen: 44.07 ng
 RT: 10.10 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

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

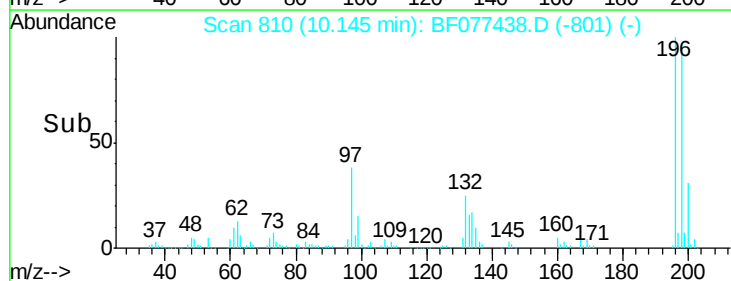
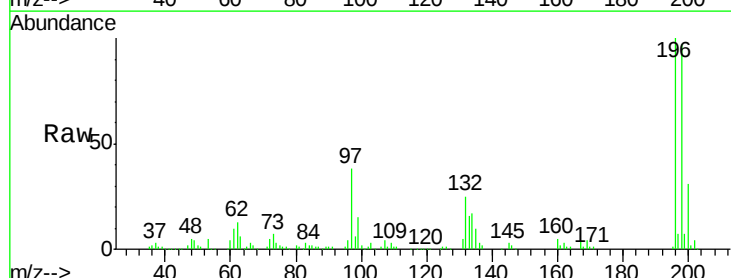
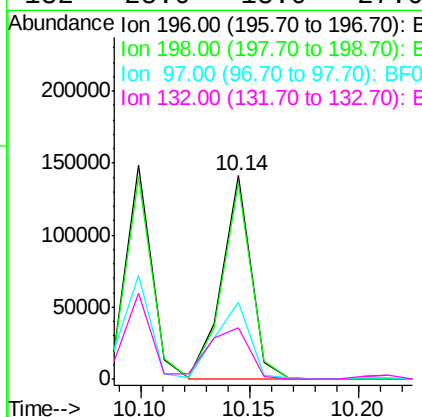
Manual Integrations
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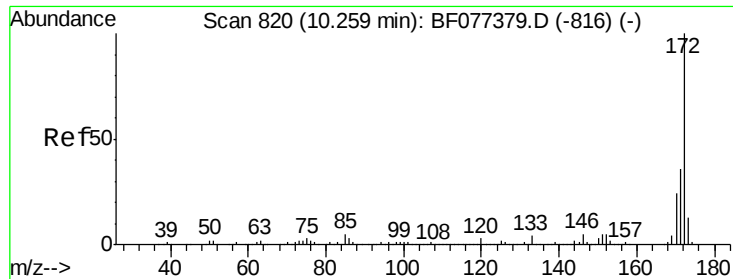
apatel
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#43
 2,4,5-Trichlorophenol
 Concen: 43.73 ng
 RT: 10.14 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

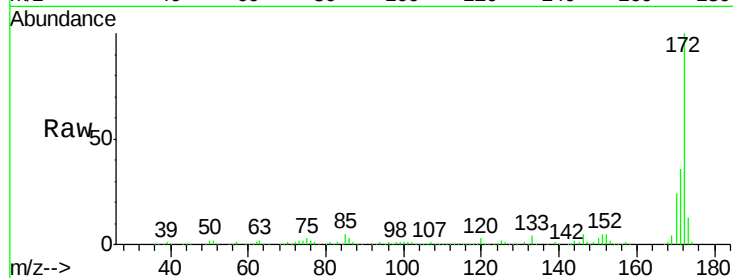
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	132155		
198	96.6	77.2	115.8	
97	37.9	27.7	41.5	
132	25.0	18.0	27.0	





#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

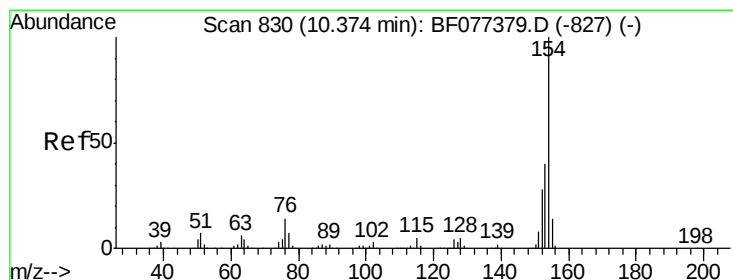
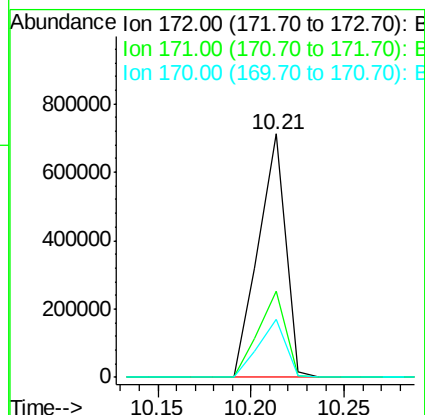
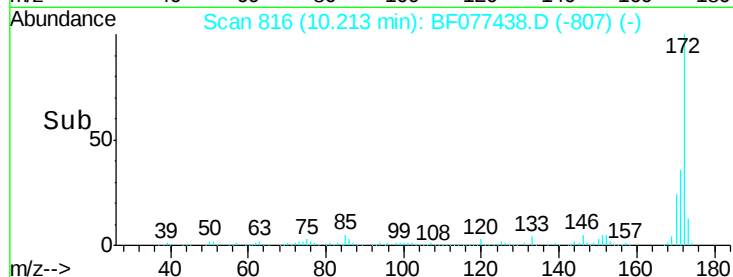
Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS



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

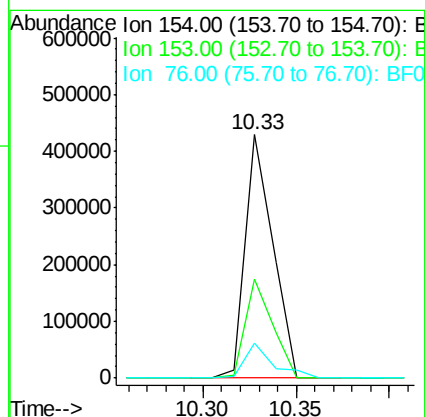
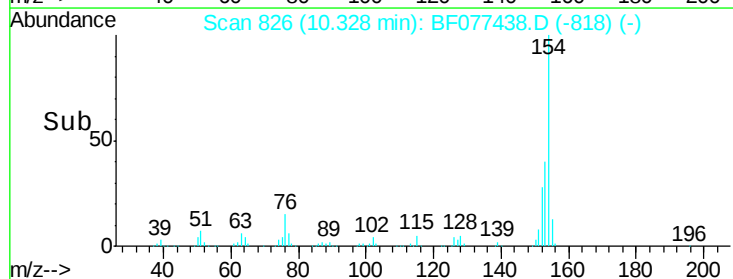
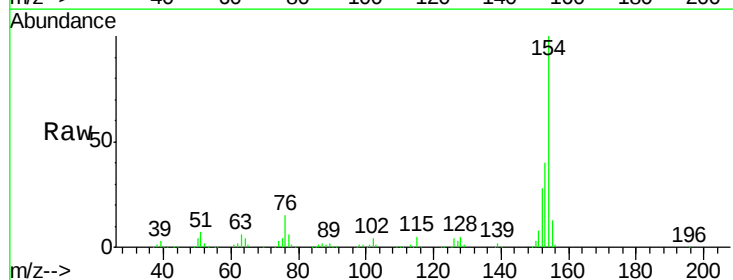
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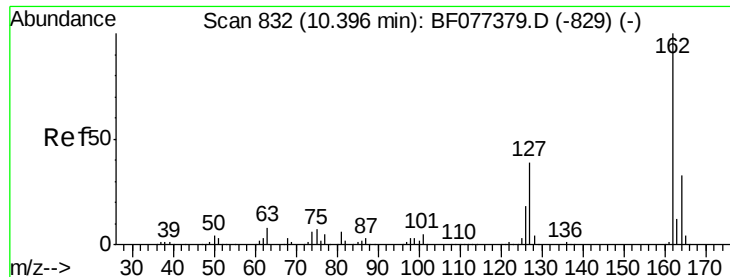
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#45
1,1'-Biphenyl
Concen: 39.46 ng
RT: 10.33 min Scan# 826
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

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





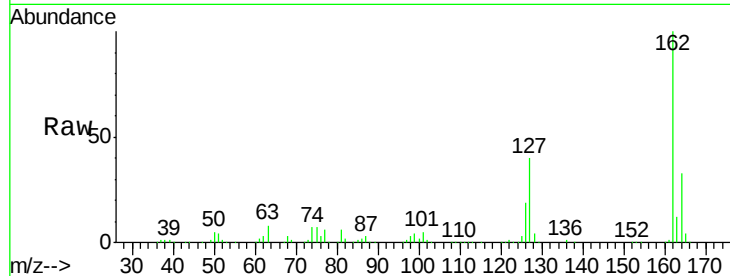
#46
2-Chloronaphthalene
Concen: 41.22 ng
RT: 10.35 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

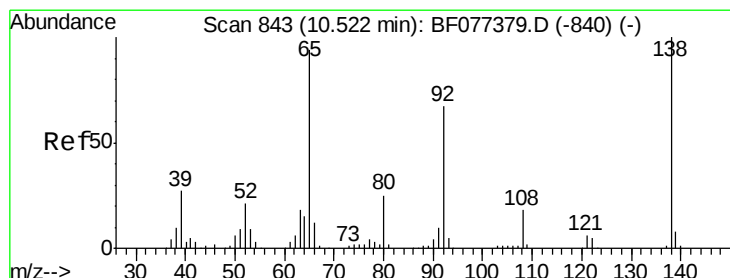
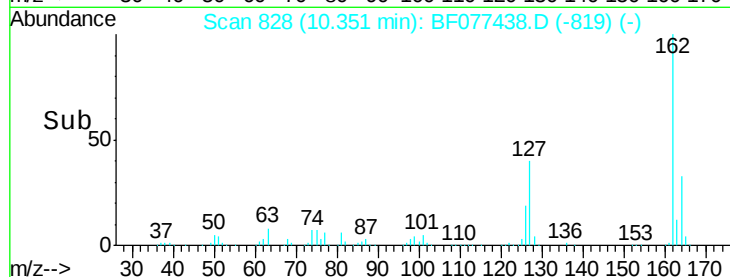
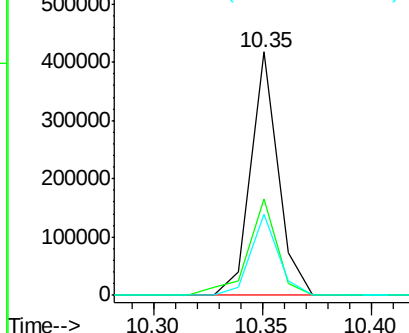
Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
127	39.8	33.3	49.9
164	33.3	26.2	39.4

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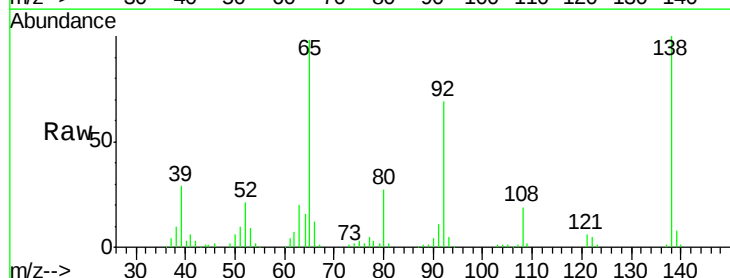


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

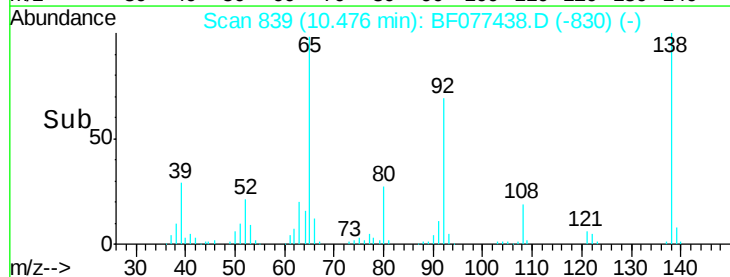
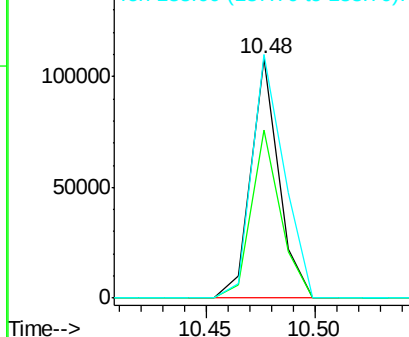


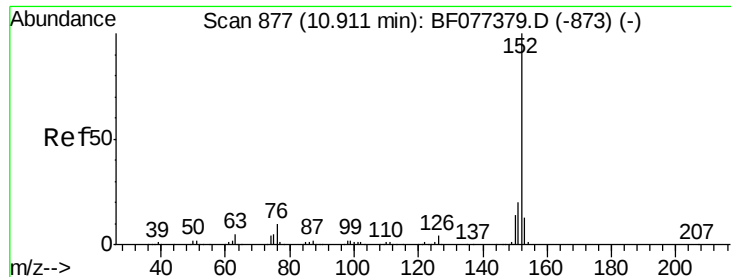
#47
2-Nitroaniline
Concen: 44.21 ng
RT: 10.48 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Resp Lower	Resp 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

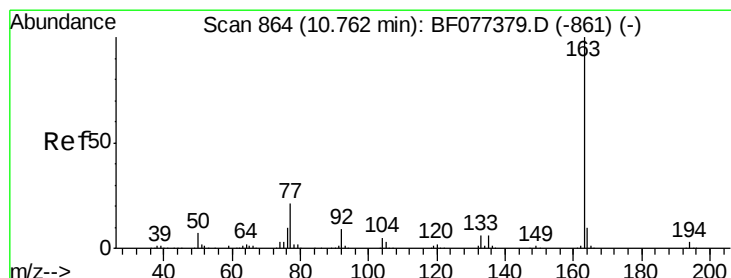
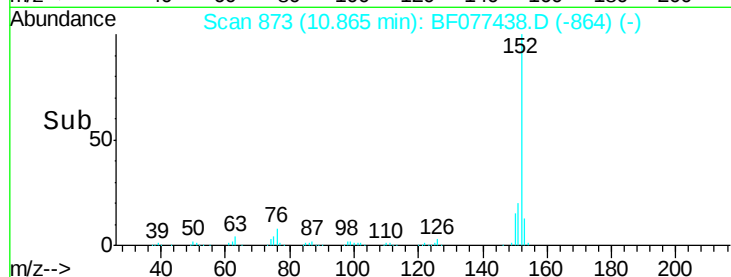
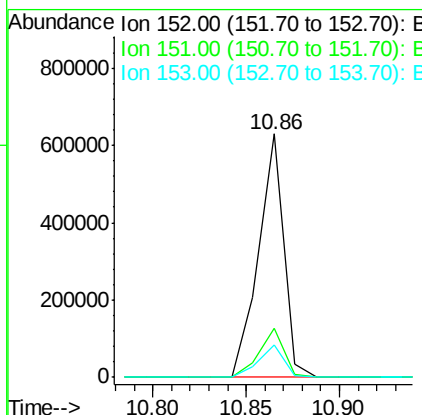
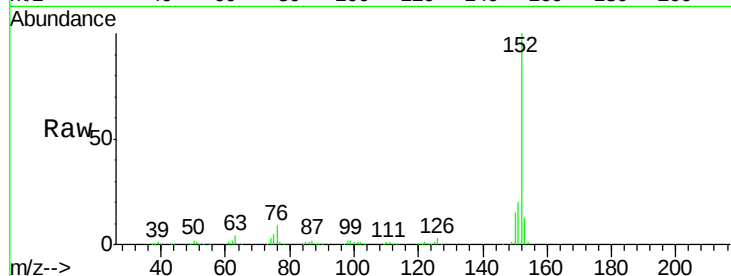
ClientSampleId :

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

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#49

Dimethylphthalate

Concen: 40.27 ng

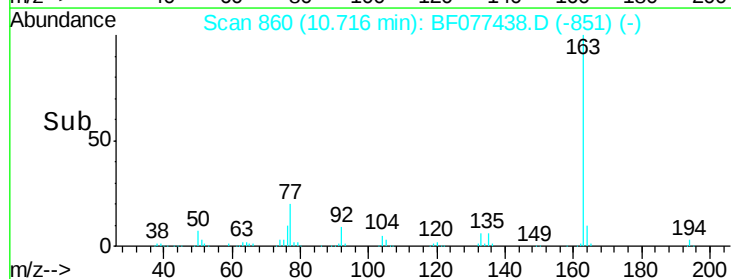
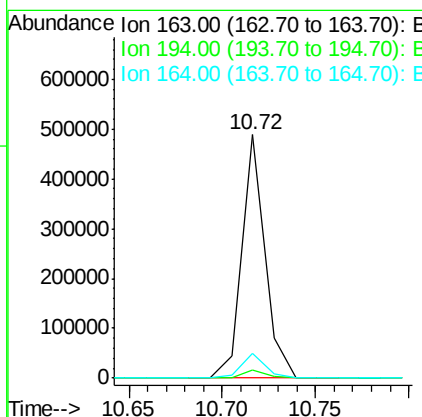
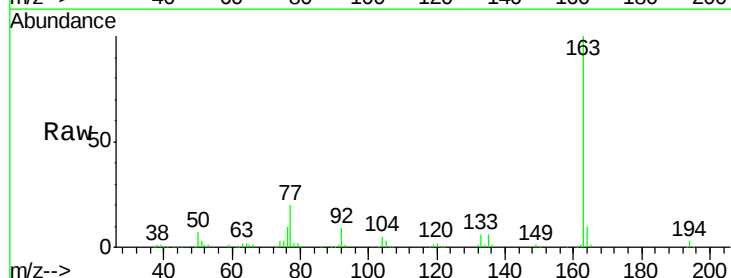
RT: 10.72 min Scan# 860

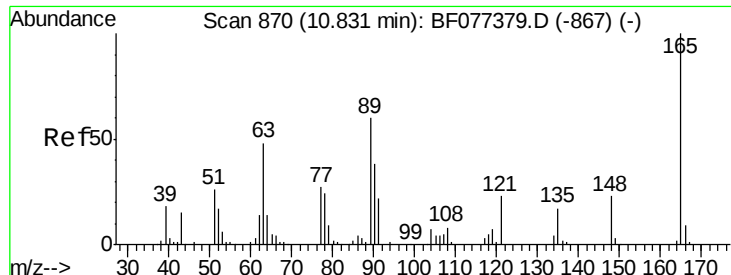
Delta R.T. 0.00 min

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





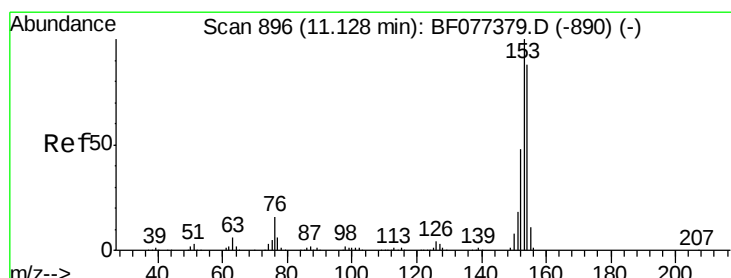
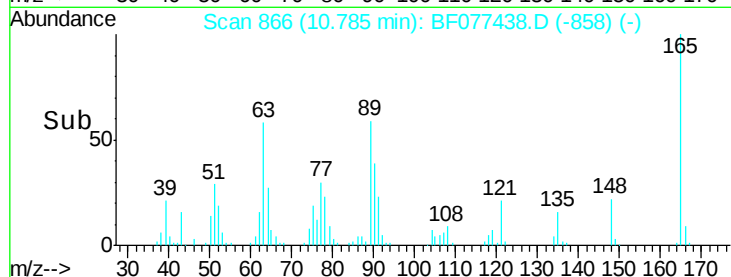
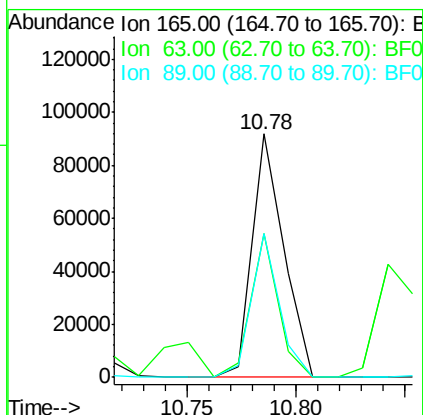
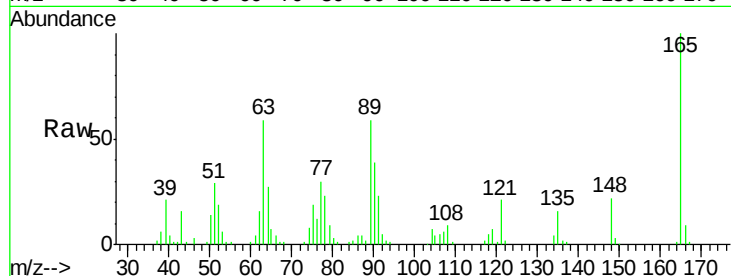
#50
2,6-Dinitrotoluene
Concen: 44.27 ng
RT: 10.78 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

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

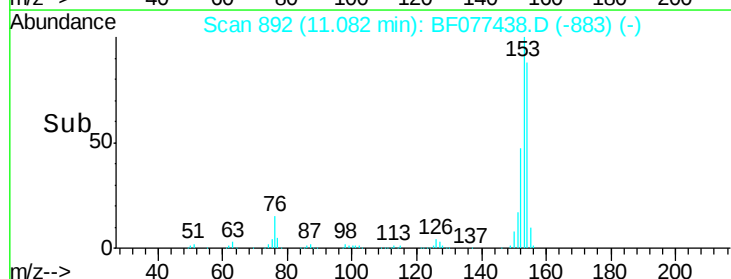
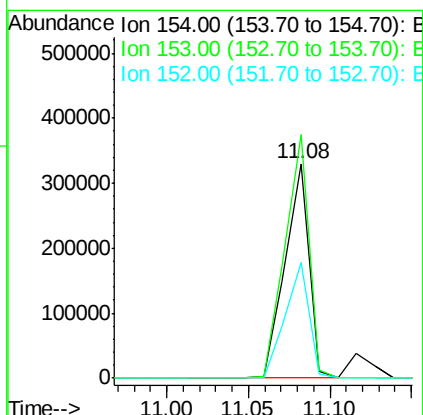
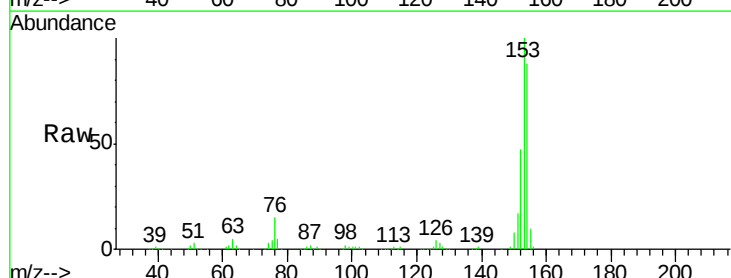
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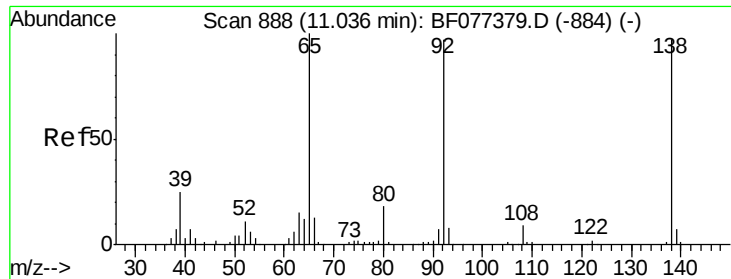
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#51
Acenaphthene
Concen: 40.48 ng
RT: 11.08 min Scan# 892
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	113.6	90.5	135.7
152	53.9	43.5	65.3





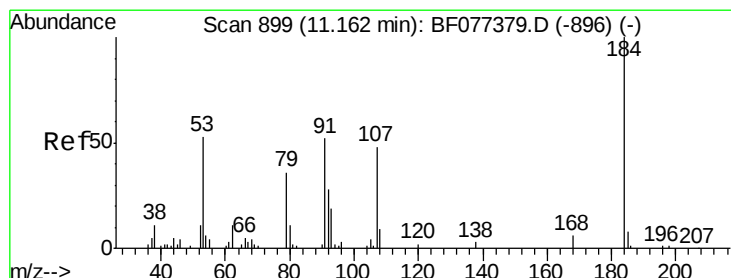
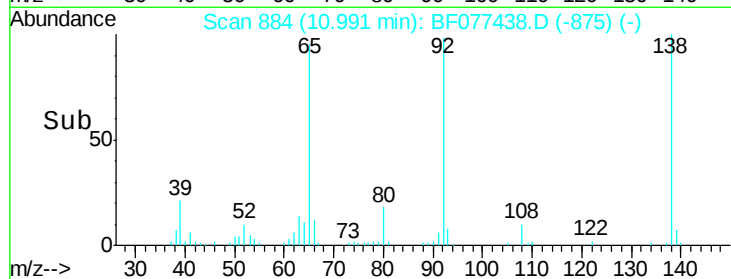
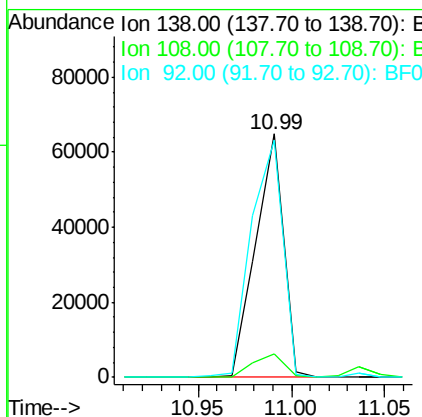
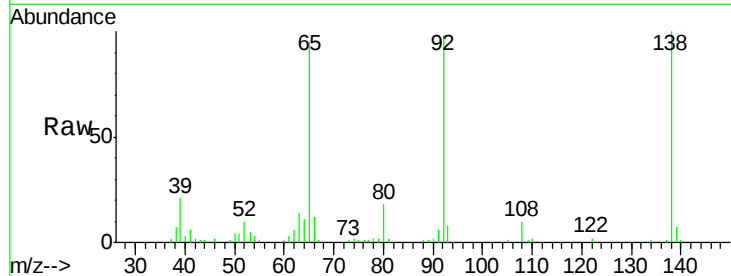
#52
3-Nitroaniline
Concen: 27.59 ng
RT: 10.99 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

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

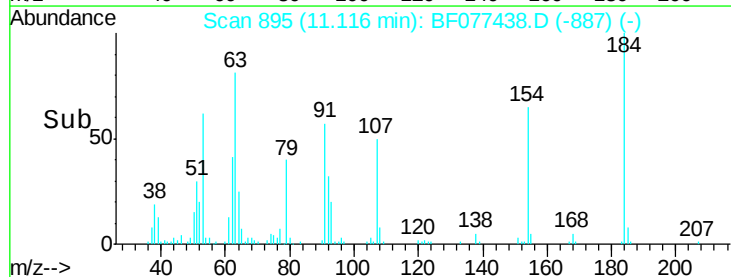
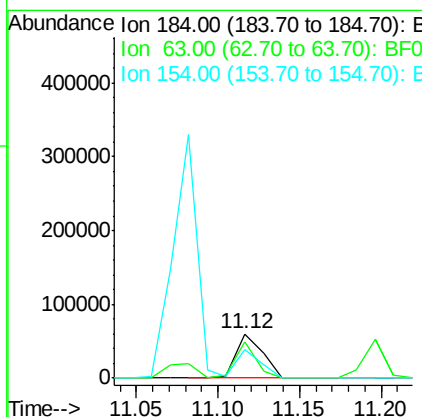
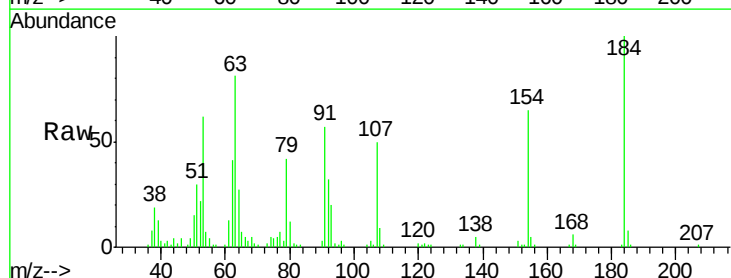
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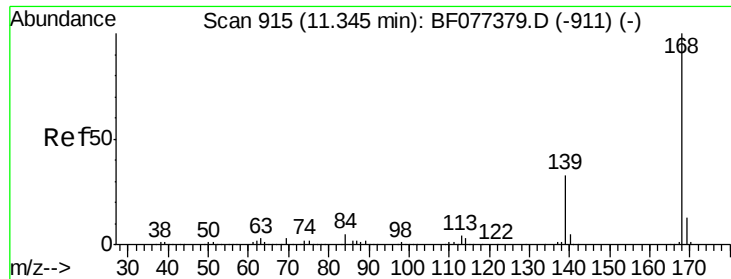
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#53
2,4-Dinitrophenol
Concen: 105.13 ng
RT: 11.12 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

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#





#54

Dibenzofuran

Concen: 40.34 ng

RT: 11.30 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF077438.D

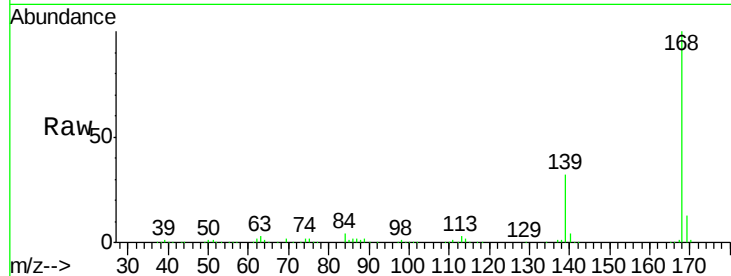
Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

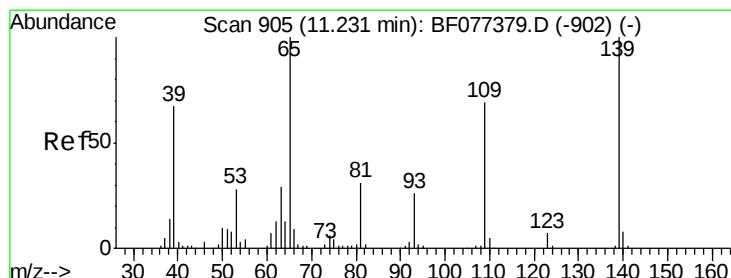
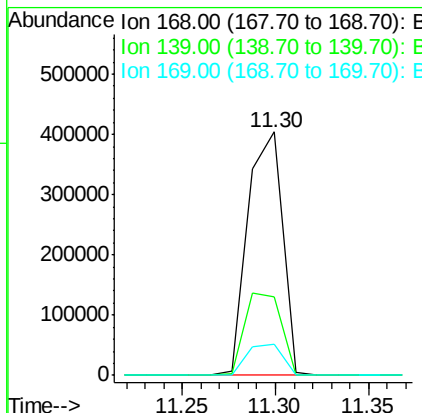
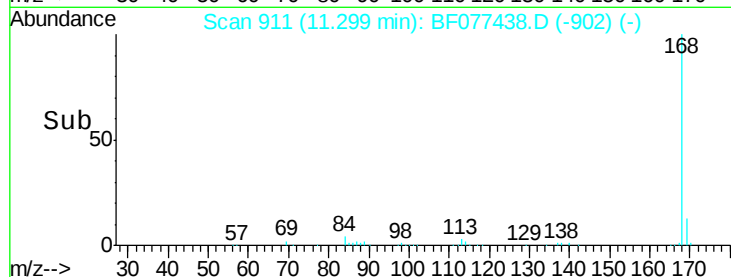
DRILL-CUTTINGSMS



Tgt Ion	Ratio	Resp	Lower	Upper
168	100	520061		
139	32.3	29.3	43.9	
169	12.7	10.9	16.3	

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#55

4-Nitrophenol

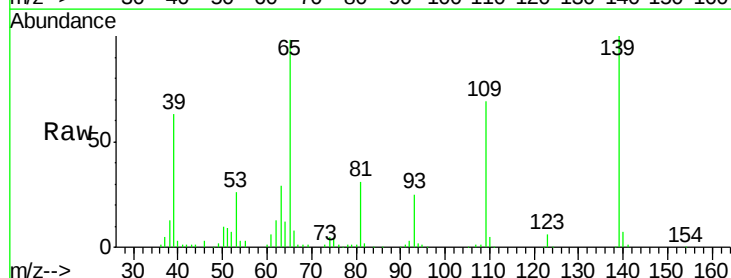
Concen: 82.46 ng

RT: 11.20 min Scan# 902

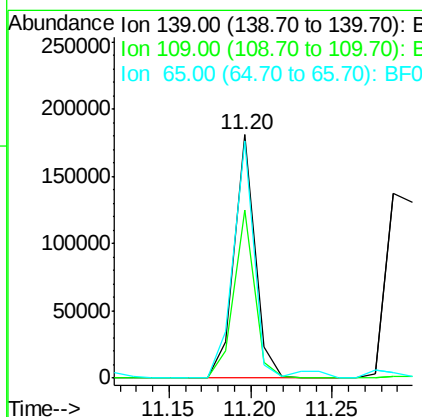
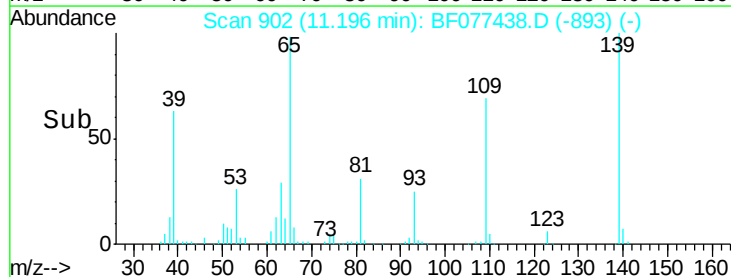
Delta R.T. 0.00 min

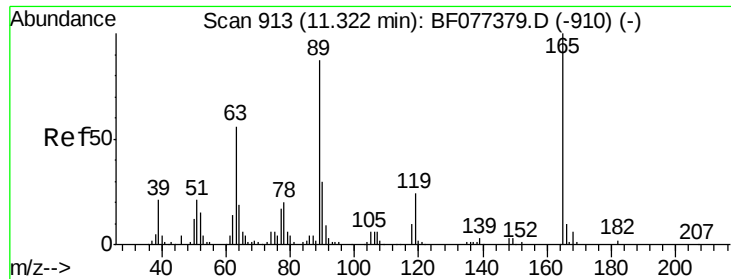
Lab File: BF077438.D

Acq: 25 Feb 2015 17:24



Tgt Ion	Ratio	Resp	Lower	Upper
139	100	160335		
109	69.2	36.2	76.2	
65	97.6	40.3	80.3	





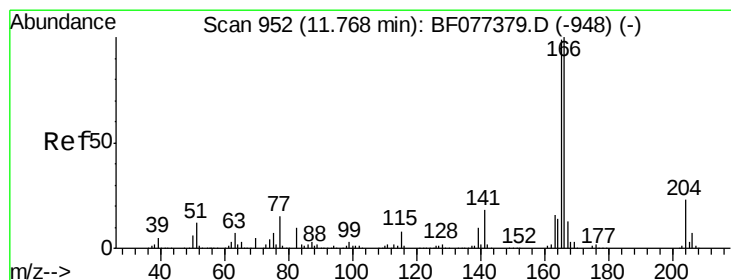
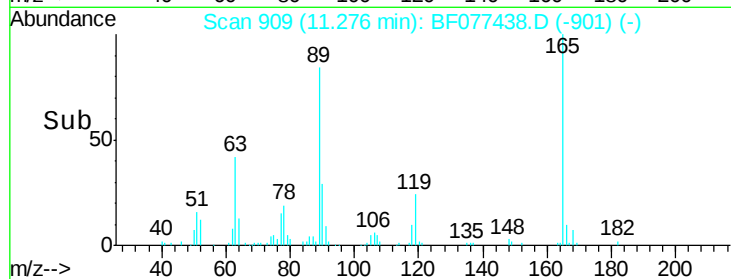
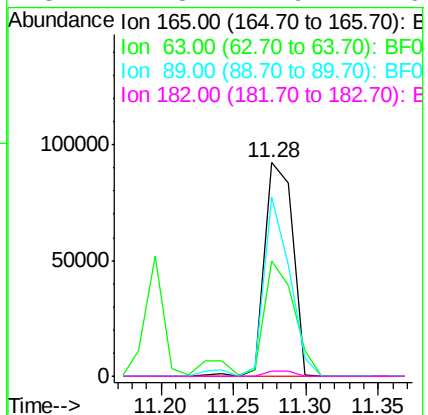
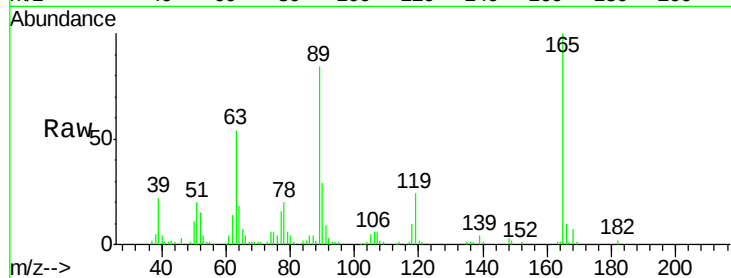
#56
2,4-Dinitrotoluene
Concen: 43.80 ng
RT: 11.28 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

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

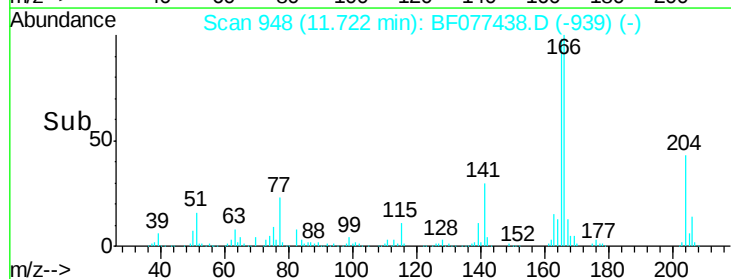
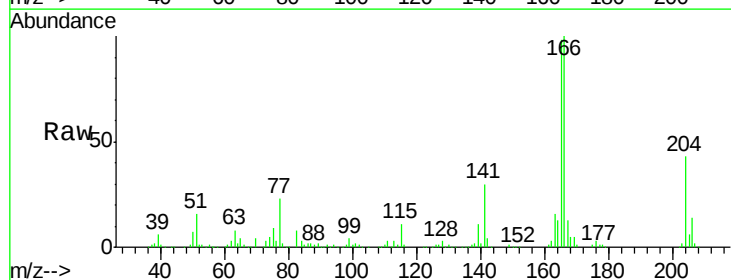
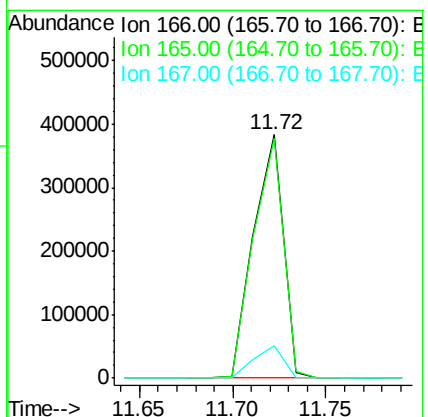
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#57
Fluorene
Concen: 41.27 ng
RT: 11.72 min Scan# 948
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	98.4	77.6	116.4
167	13.2	10.6	16.0





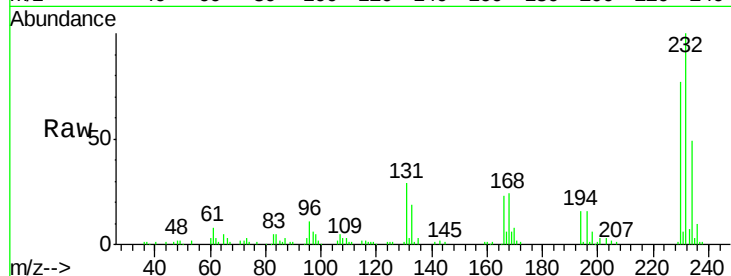
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 43.66 ng
 RT: 11.45 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

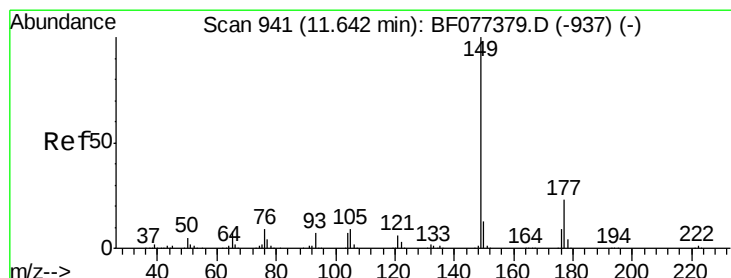
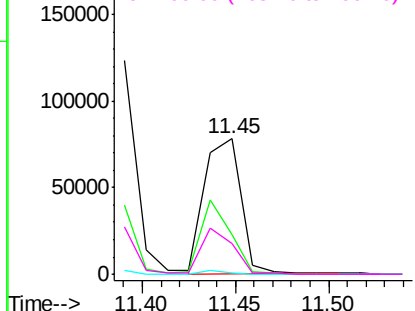
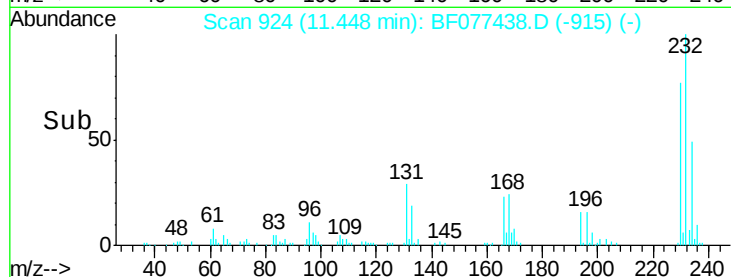
Tgt Ion	Ratio	Resp	Lower	Upper
232	100	106079		
131	44.9		34.2	51.2
130	2.0		1.8	2.6
166	30.2		24.3	36.5

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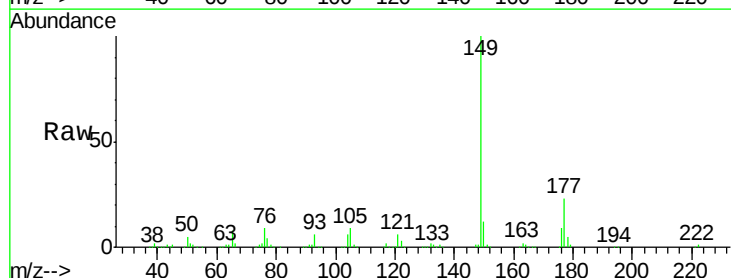


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

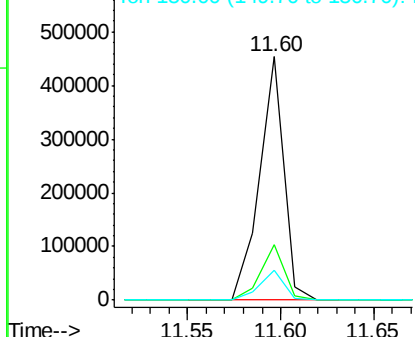
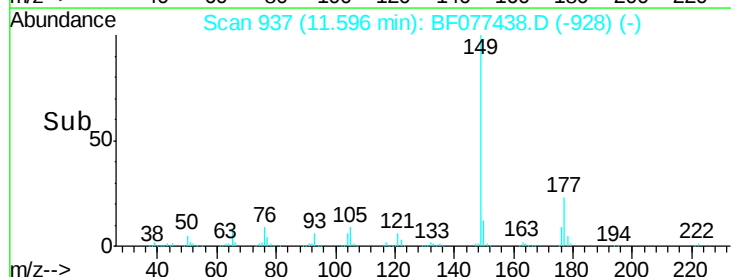


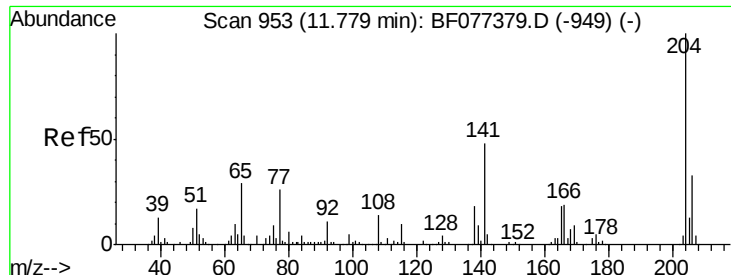
#59
 Diethylphthalate
 Concen: 40.27 ng
 RT: 11.60 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	415099		
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





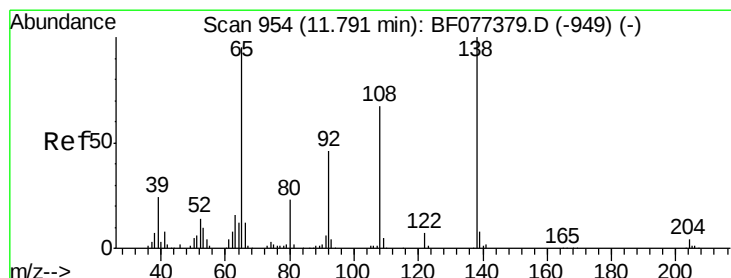
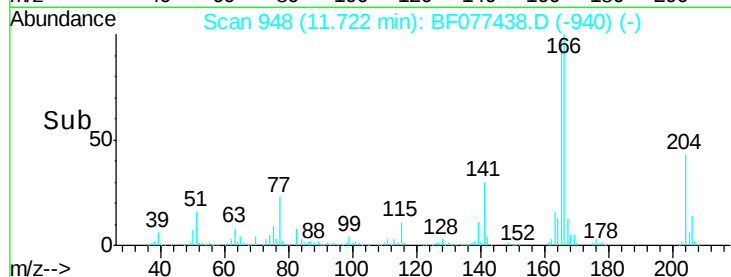
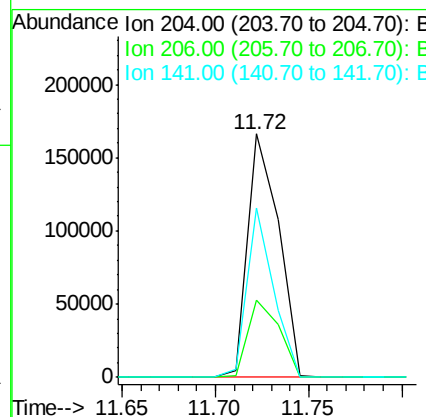
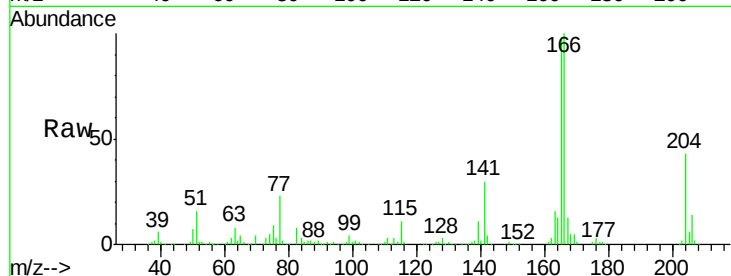
#60
 4-Chlorophenyl-phenylether
 Concen: 38.59 ng
 RT: 11.72 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

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

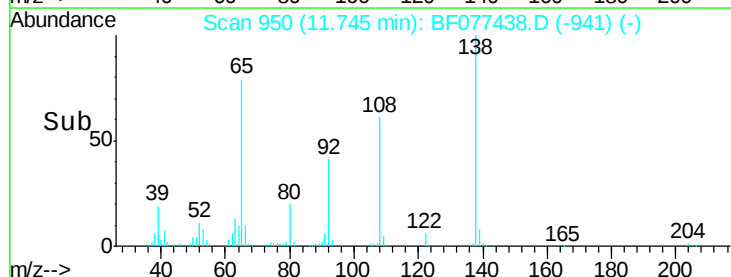
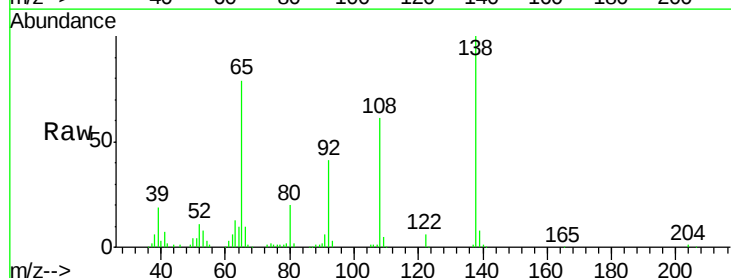
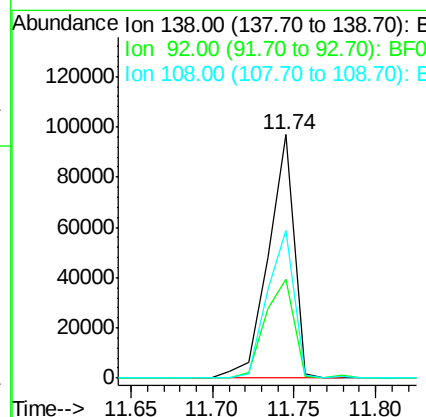
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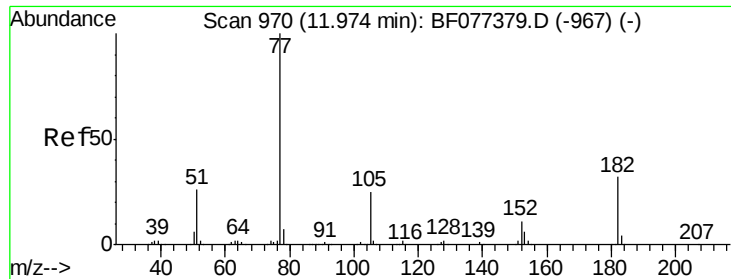
apatel
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#61
 4-Nitroaniline
 Concen: 45.88 ng
 RT: 11.74 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Resp Lower	Resp 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

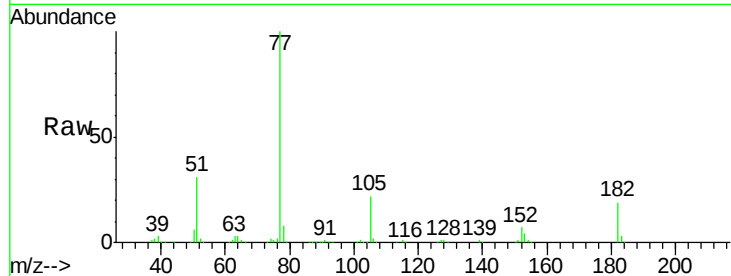
Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGSMS



Tgt Ion: 77 Resp: 374204

Ion Ratio Lower Upper

77 100

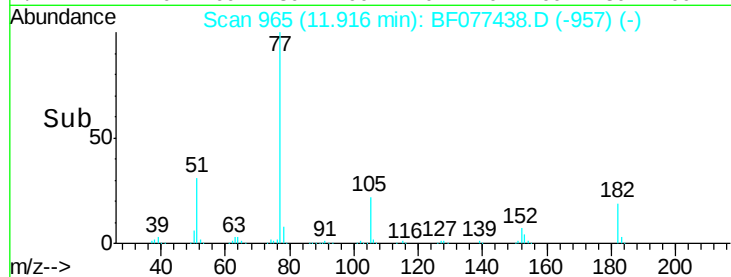
182 19.3 4.9 44.9

105 22.1 3.3 43.3

51 30.9 8.9 48.9

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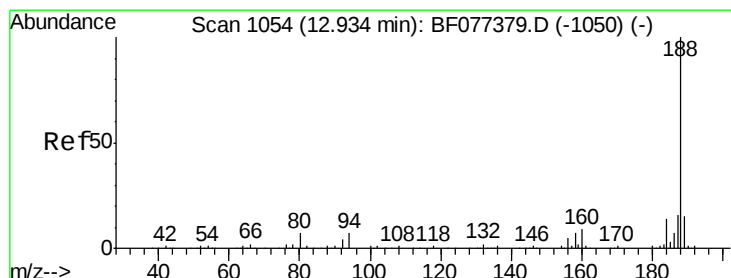
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Time-->



#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

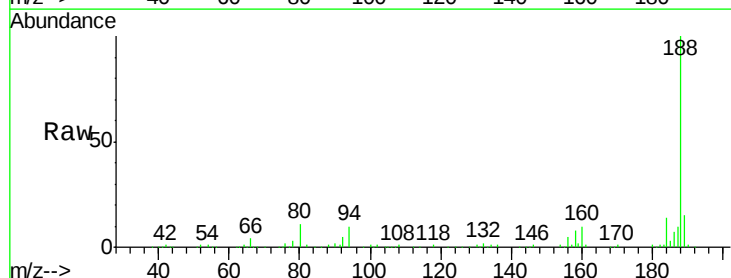
Tgt Ion: 188 Resp: 292075

Ion Ratio Lower Upper

188 100

94 10.0 7.4 11.2

80 11.0 8.0 12.0

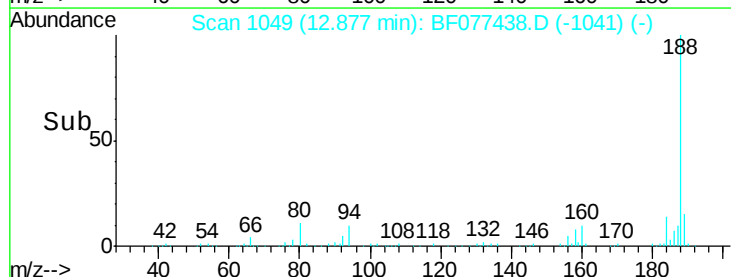


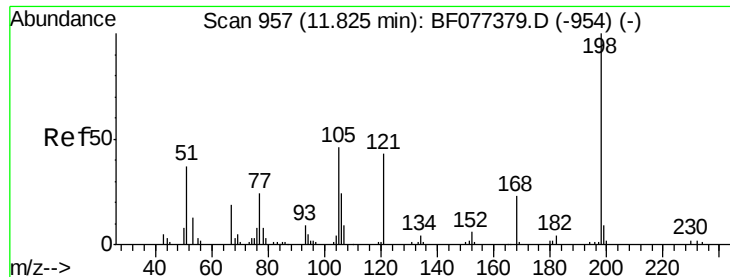
Abundance Ion 188.00 (187.70 to 188.70): BF0

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->





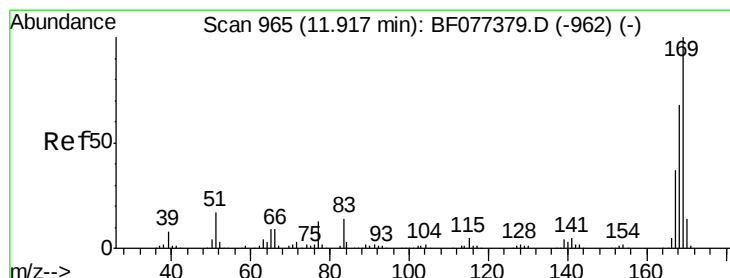
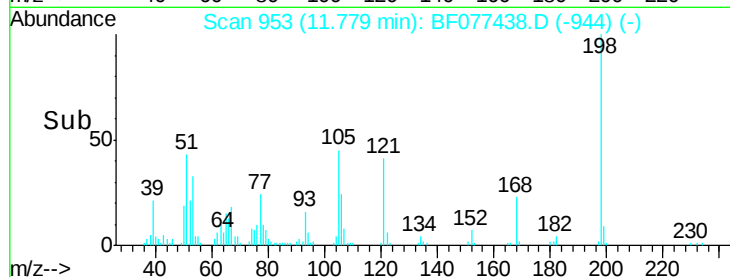
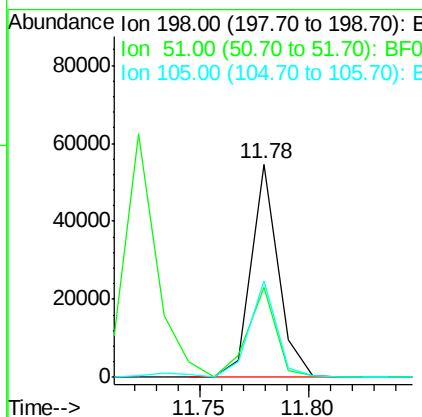
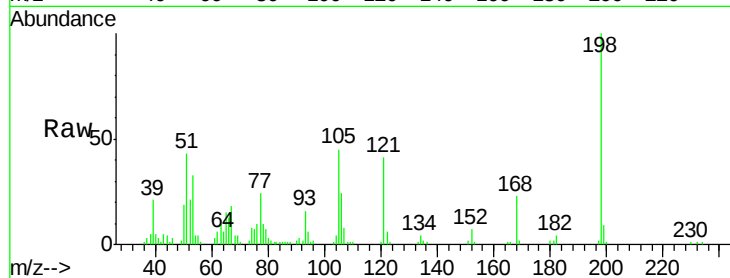
#64
4,6-Dinitro-2-methylphenol
Concen: 41.34 ng
RT: 11.78 min Scan# 953
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	47523		
51	42.5	2.7	42.7	
105	45.2	10.0	50.0	

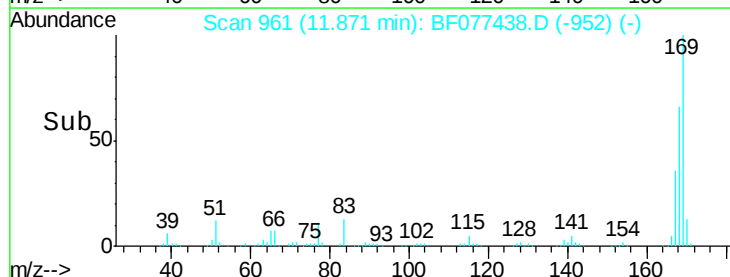
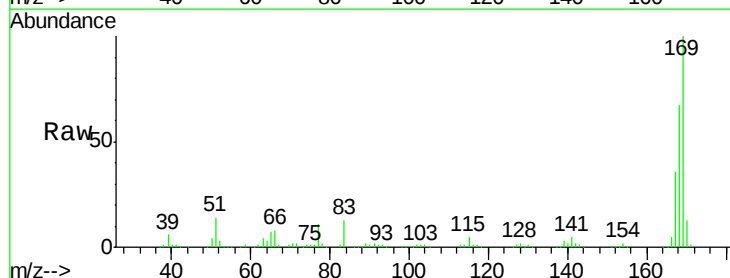
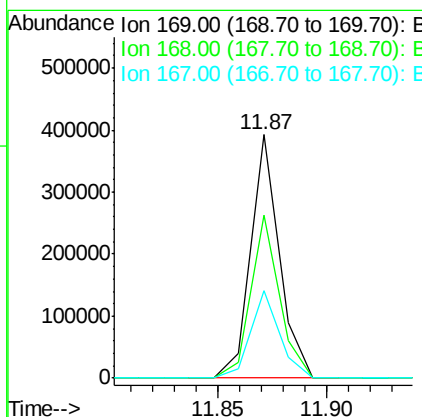
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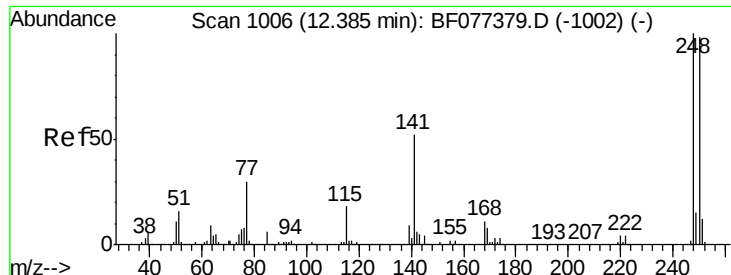
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#65
n-Nitrosodiphenylamine
Concen: 37.11 ng
RT: 11.87 min Scan# 961
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	359624		
168	66.8	53.0	79.6	
167	36.0	29.5	44.3	





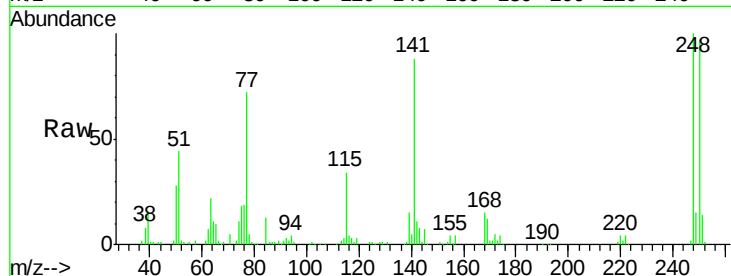
#66
4-Bromophenyl-phenylether
Concen: 35.14 ng
RT: 12.33 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

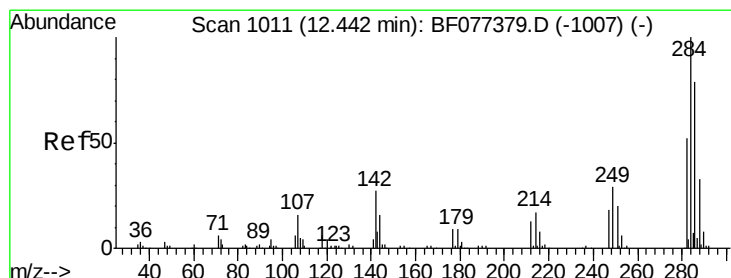
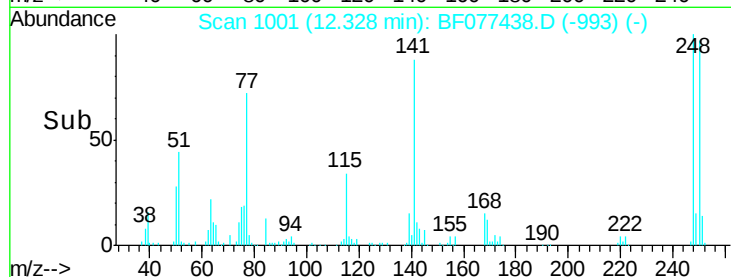
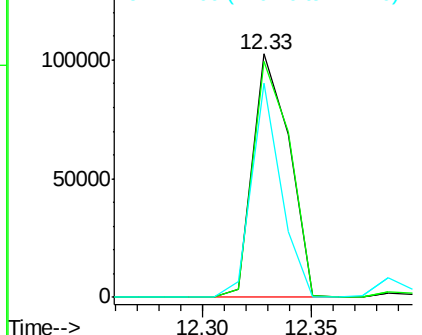
Tgt Ion	Ratio	Resp	Lower	Upper
248	100	120198		
250	97.0	78.0	117.0	
141	87.8	54.1	81.1#	

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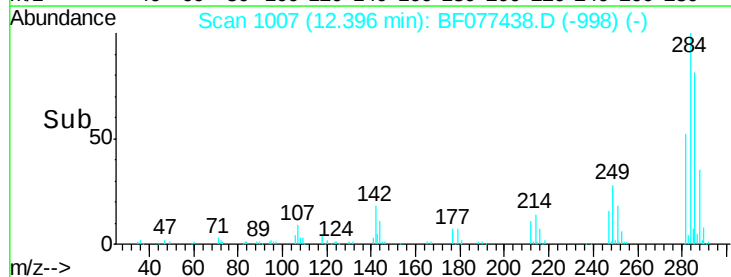
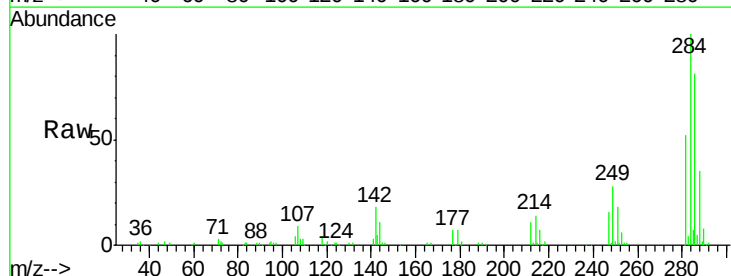
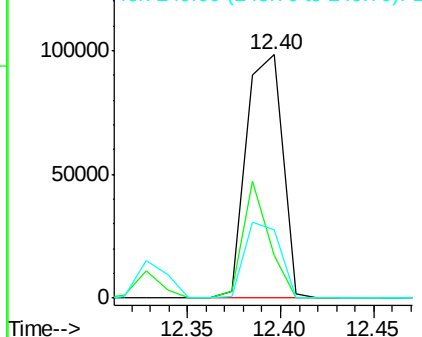
Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

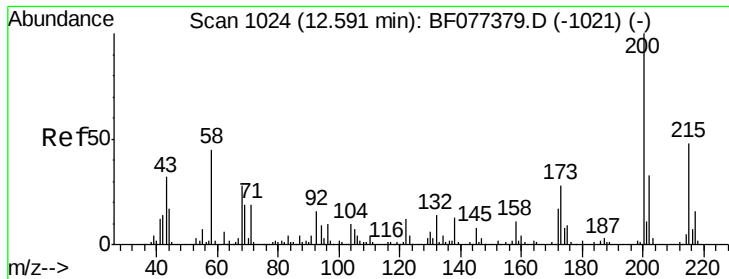


#67
Hexachlorobenzene
Concen: 36.10 ng
RT: 12.40 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	132514		
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





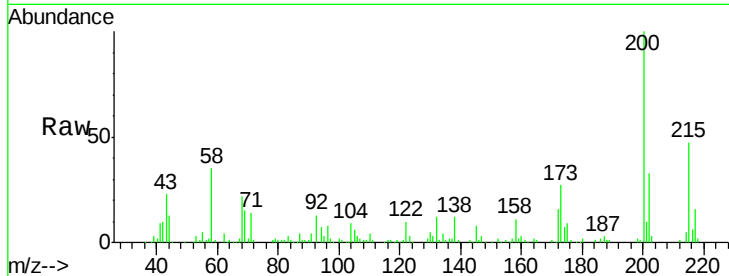
#68
 Atrazine
 Concen: 38.92 ng
 RT: 12.55 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

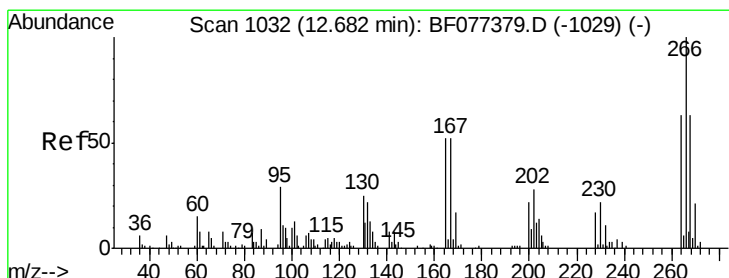
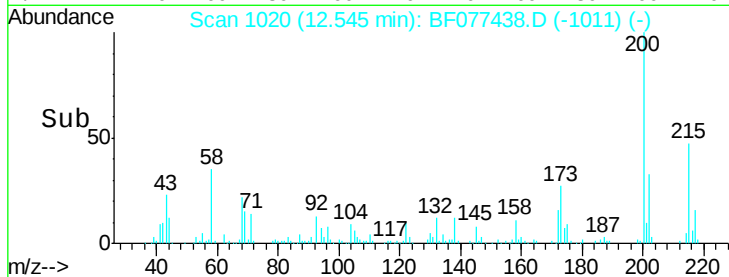
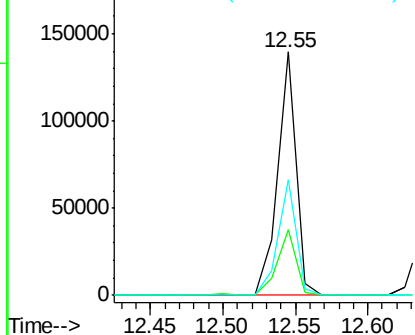
Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.0	9.6	49.6
215	47.5	24.4	64.4

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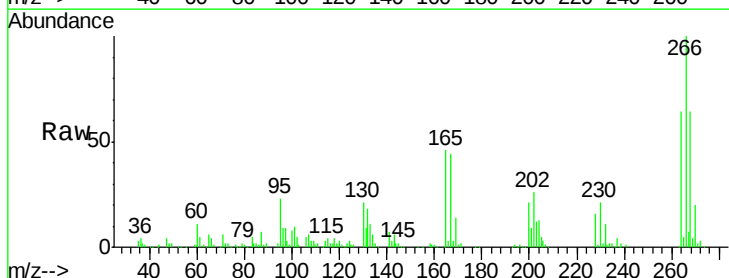


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

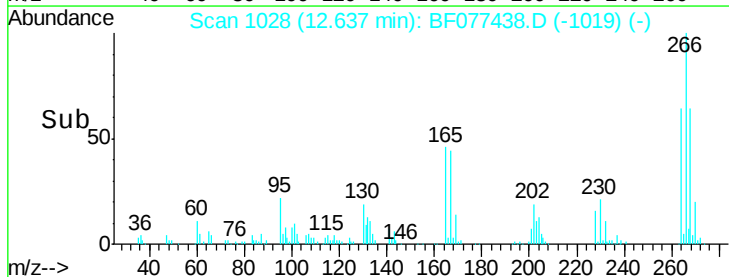
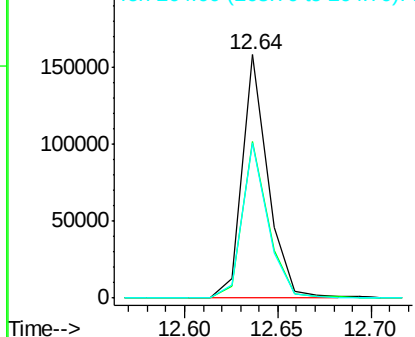


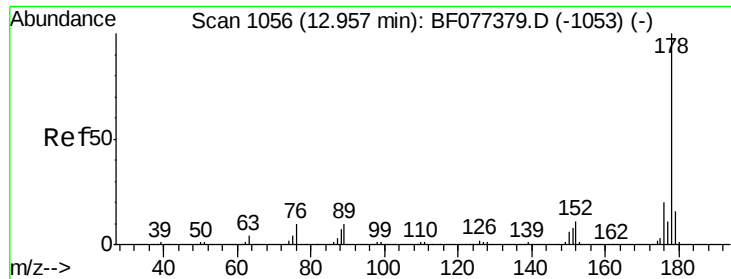
#69
 Pentachlorophenol
 Concen: 79.87 ng
 RT: 12.64 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

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



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





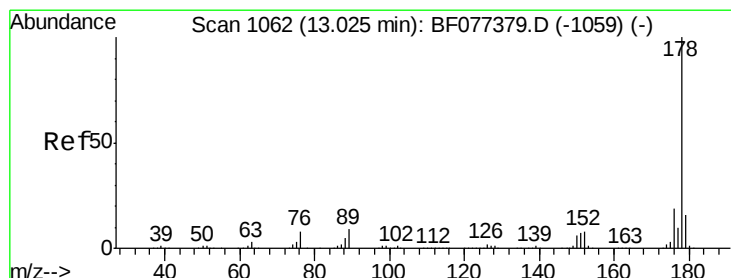
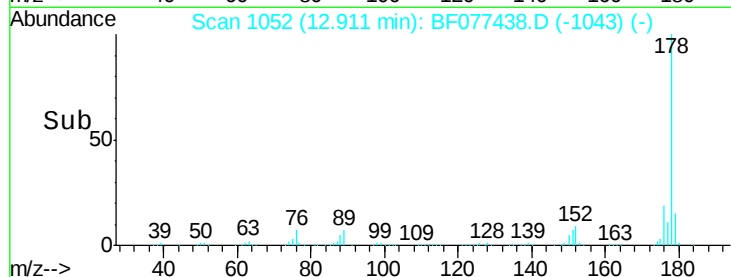
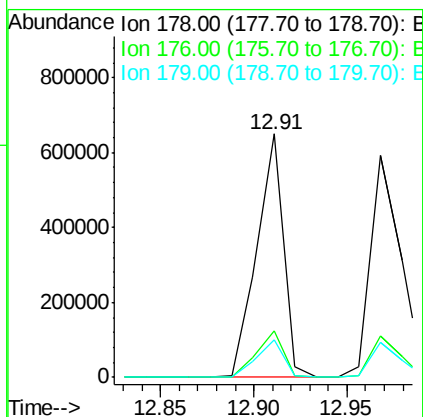
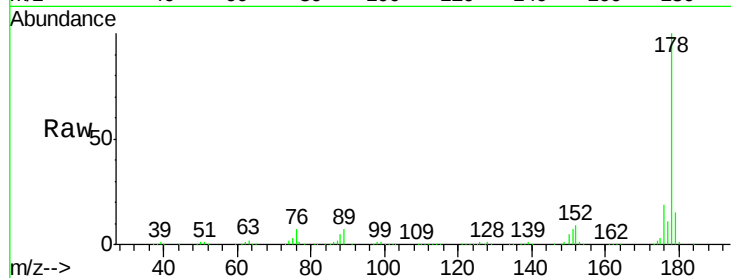
#70
Phenanthrene
Concen: 38.57 ng
RT: 12.91 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

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

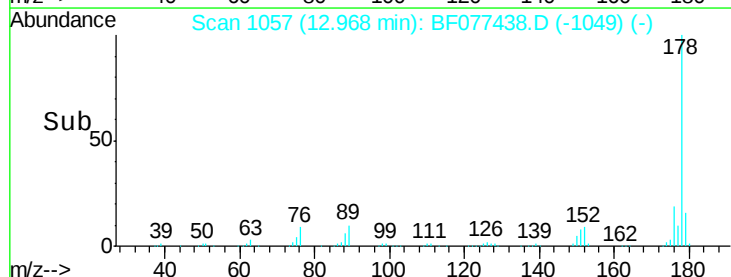
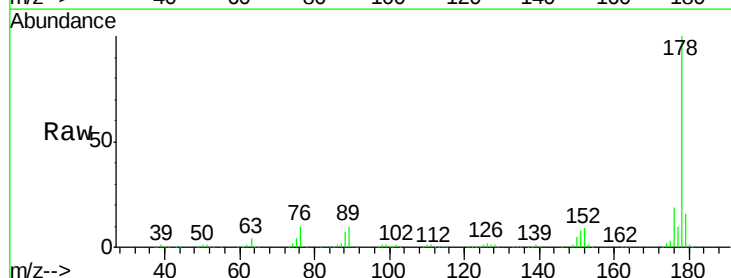
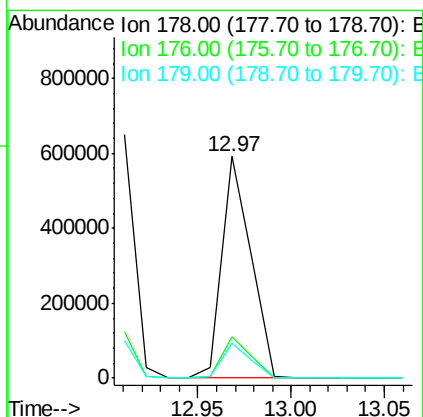
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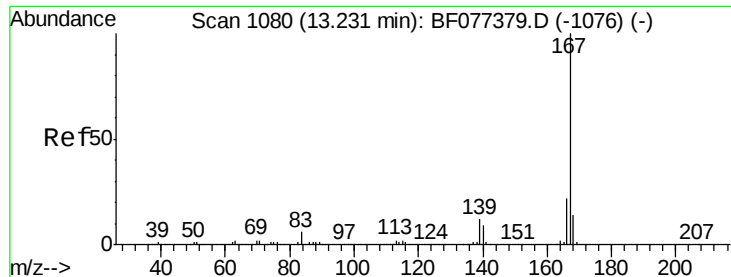
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#71
Anthracene
Concen: 38.29 ng
RT: 12.97 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	643312		
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

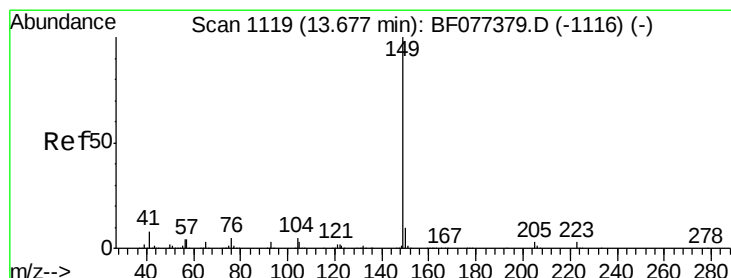
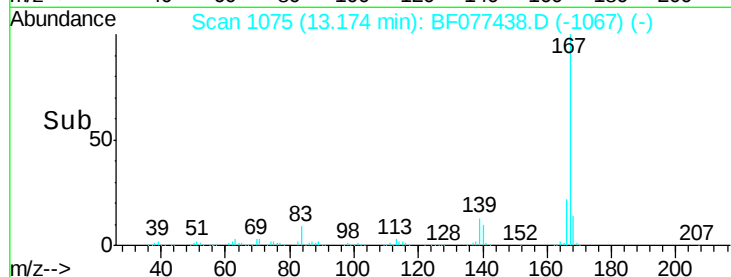
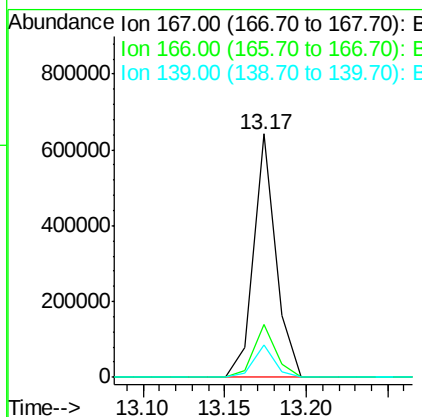
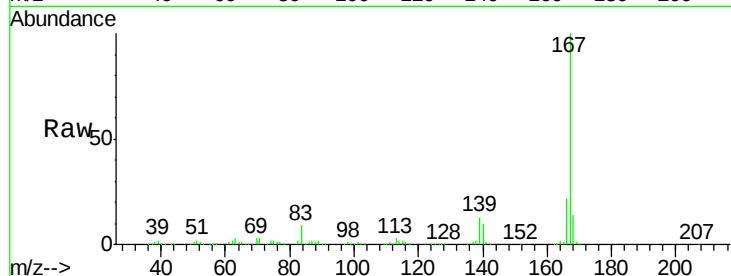
ClientSampleId :

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

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#73

Di-n-butylphthalate

Concen: 36.31 ng

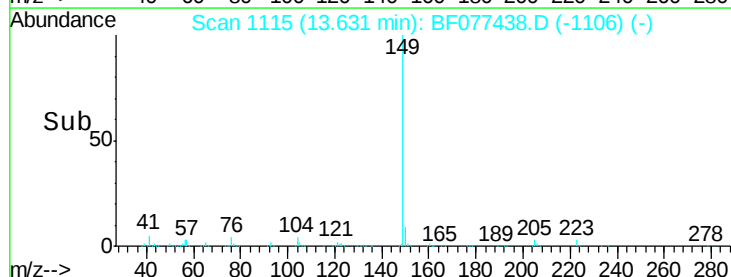
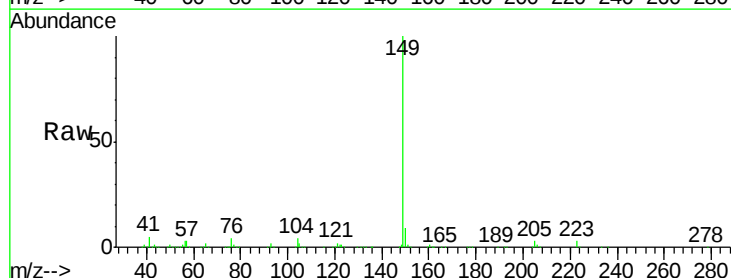
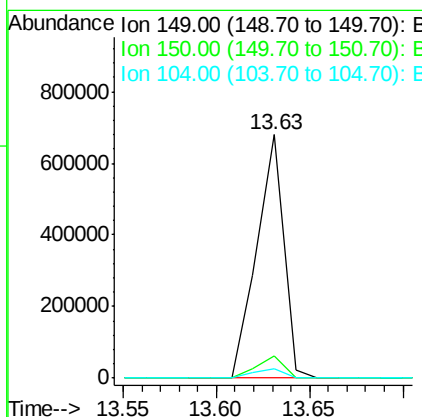
RT: 13.63 min Scan# 1115

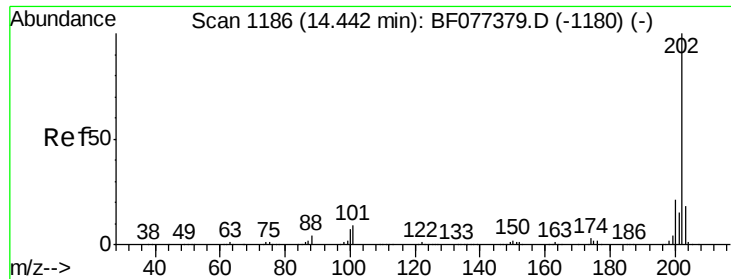
Delta R.T. 0.00 min

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#





#74

Fluoranthene

Concen: 38.77 ng

RT: 14.39 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BF077438.D

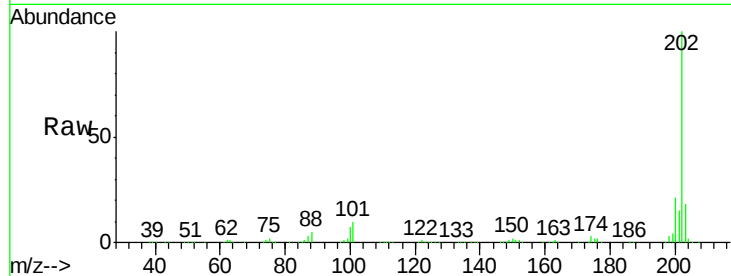
Acq: 25 Feb 2015 17:24

Instrument :

BNA_F

ClientSampleId :

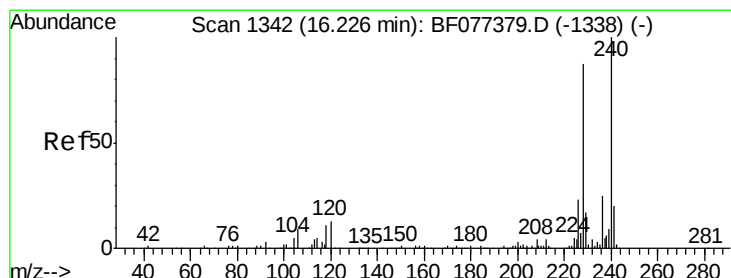
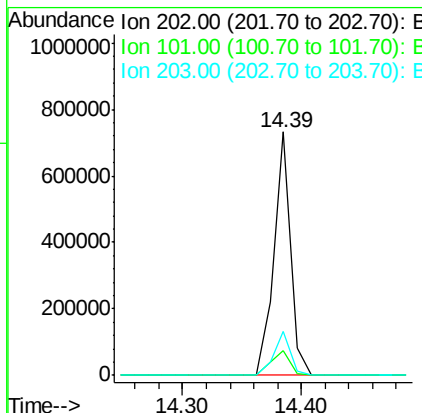
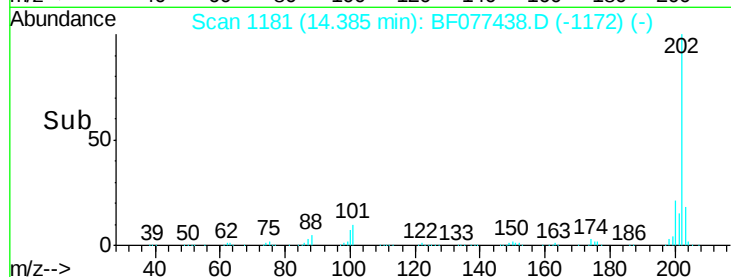
DRILL-CUTTINGSMS



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

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#75

Chrysene-d12

Concen: 20.00 ng

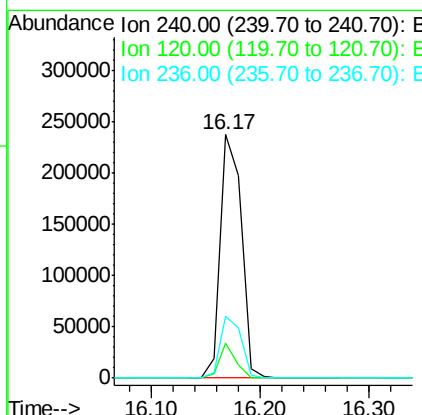
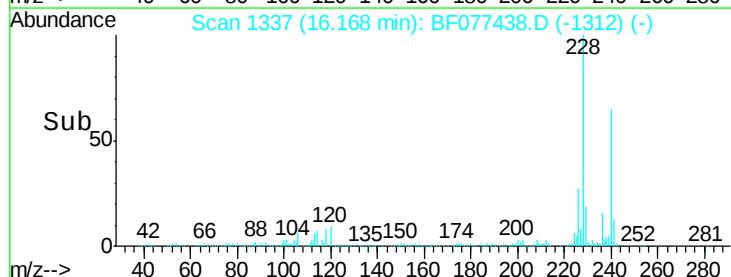
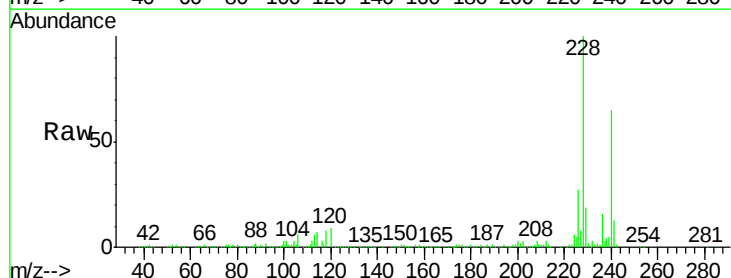
RT: 16.17 min Scan# 1337

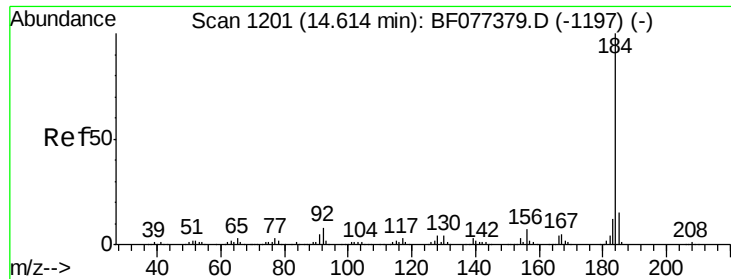
Delta R.T. -0.01 min

Lab File: BF077438.D

Acq: 25 Feb 2015 17:24

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





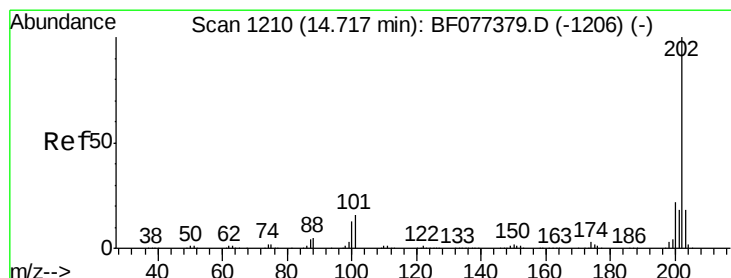
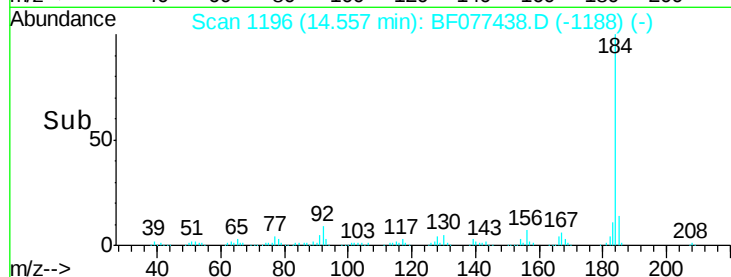
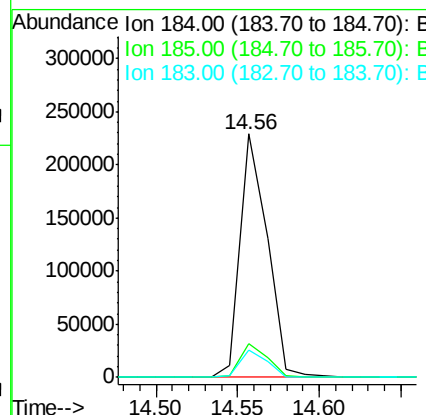
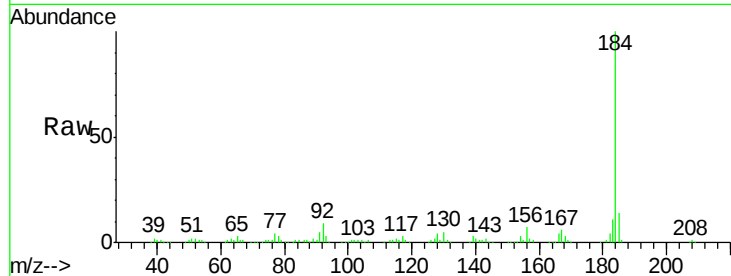
#76
Benzidine
Concen: 24.23 ng
RT: 14.56 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	263041		
185	14.0	12.6	18.8	
183	11.4	9.3	13.9	

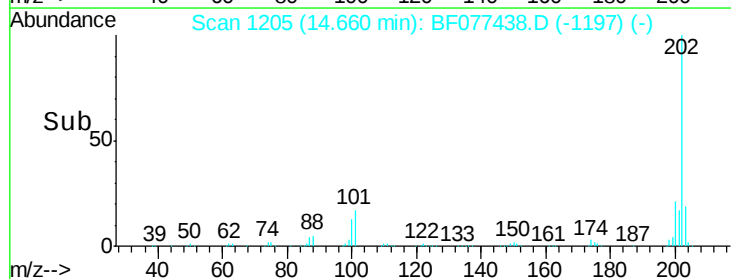
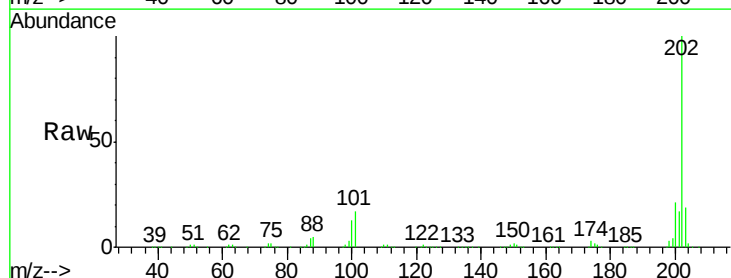
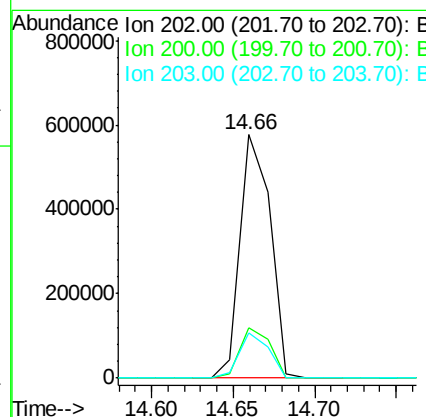
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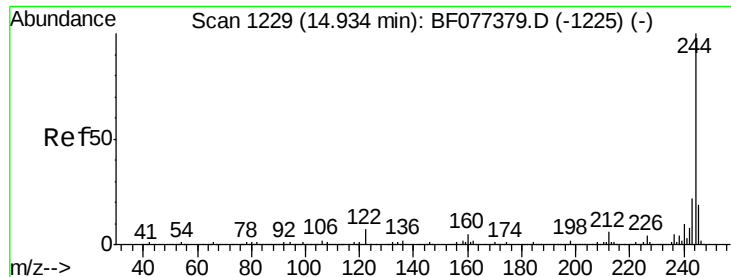
apatel
2/27/2015 10:55:52 AM



#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	Ratio	Resp	Lower	Upper
202	100	735144		
200	20.7	17.1	25.7	
203	18.6	14.2	21.2	





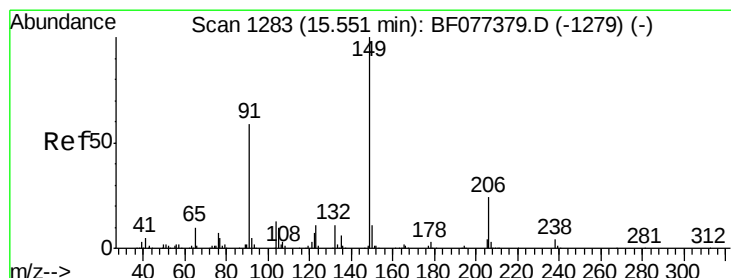
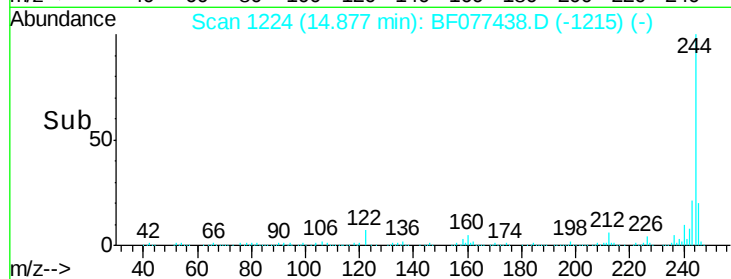
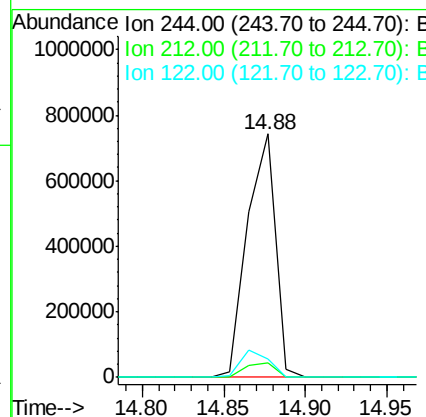
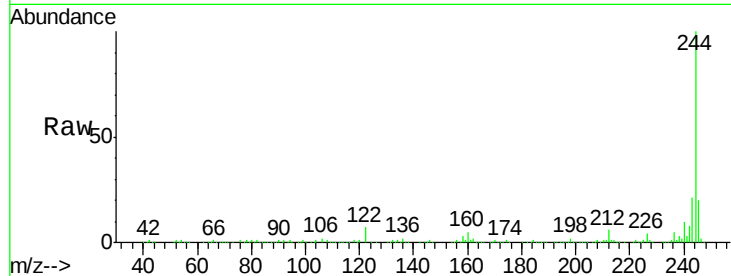
#78
 Terphenyl-d14
 Concen: 64.50 ng
 RT: 14.88 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMS

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

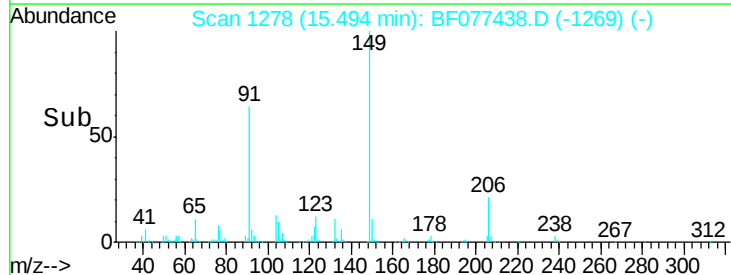
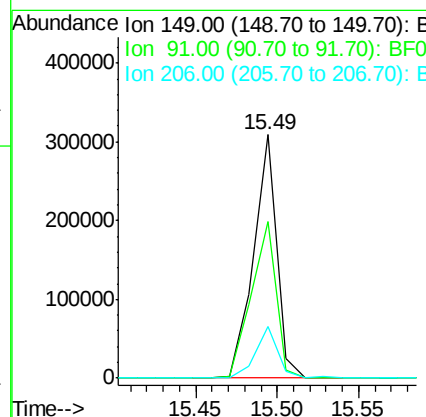
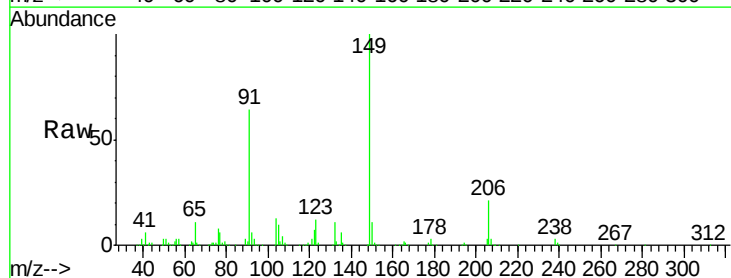
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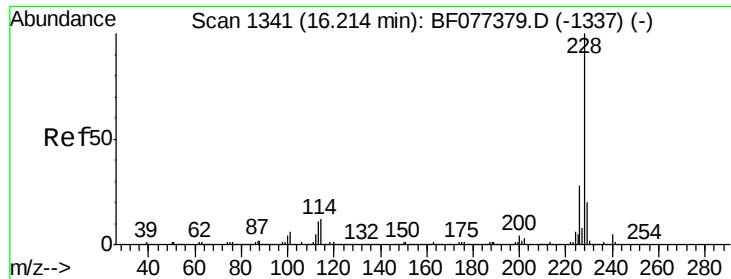
apatel
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#79
 Butylbenzylphthalate
 Concen: 37.57 ng
 RT: 15.49 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: BF077438.D
 Acq: 25 Feb 2015 17:24

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





#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

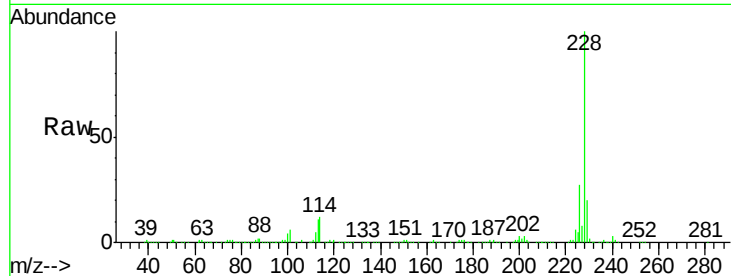
ClientSampleId :

DRILL-CUTTINGSMS

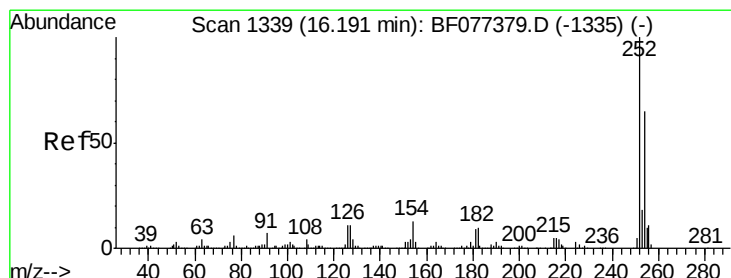
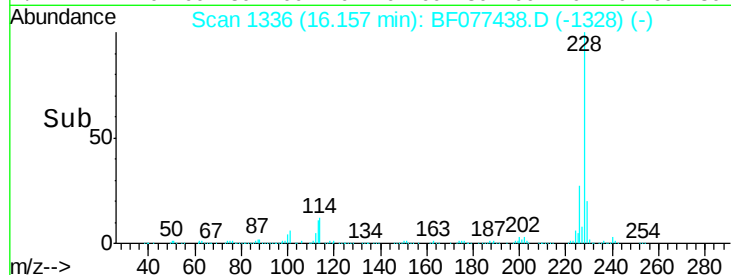
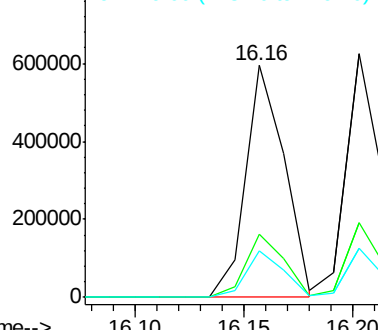
Tgt Ion:	228	Resp:	738250
Ion Ratio	Lower	Upper	
228	100		
226	27.4	22.0	33.0
229	20.1	15.8	23.8

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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

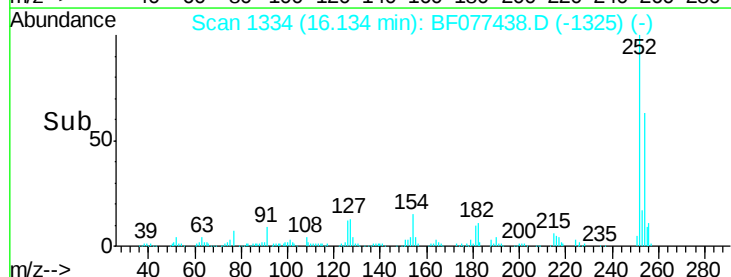
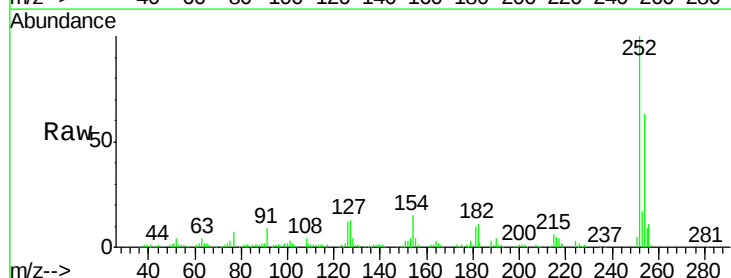
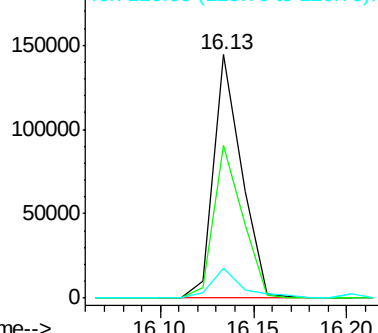
Delta R.T. 0.00 min

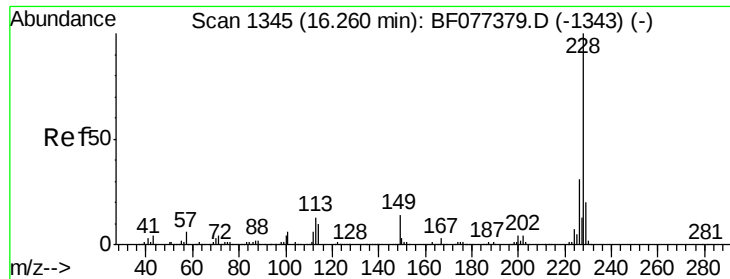
Lab File: BF077438.D

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

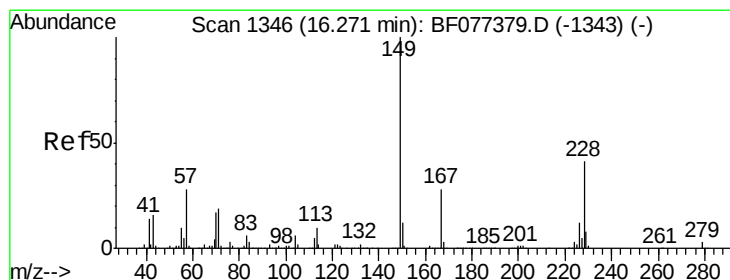
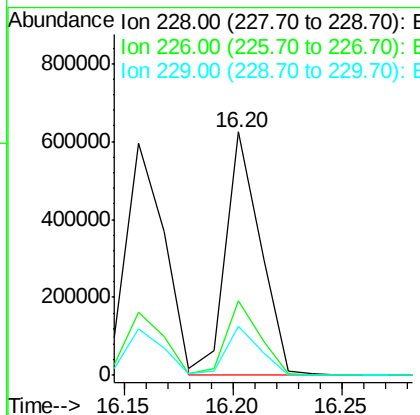
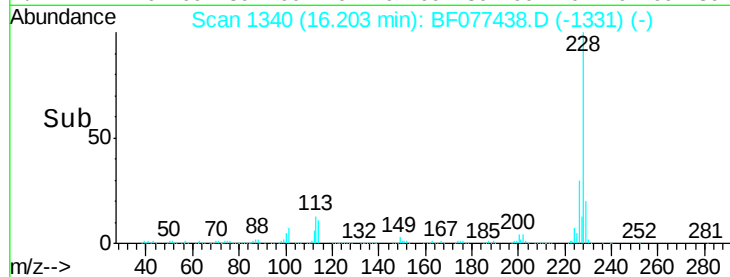
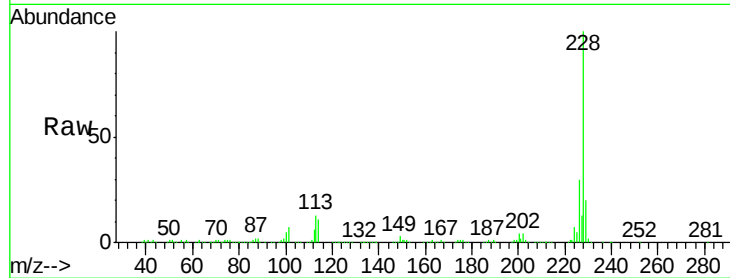
ClientSampleId :

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

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#83

Bis(2-ethylhexyl)phthalate

Concen: 32.64 ng

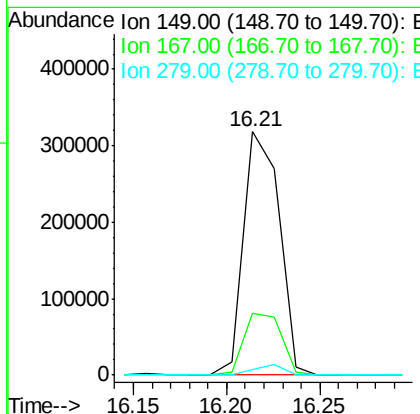
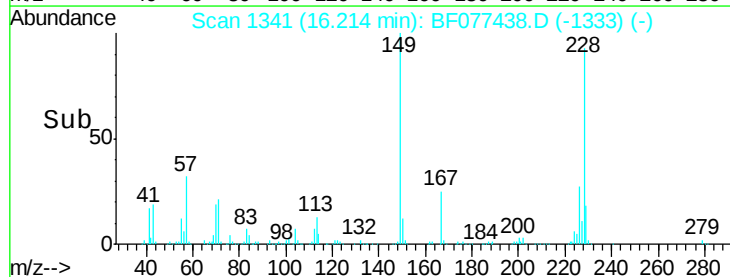
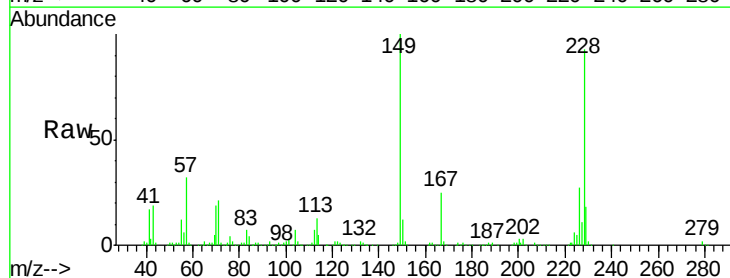
RT: 16.21 min Scan# 1341

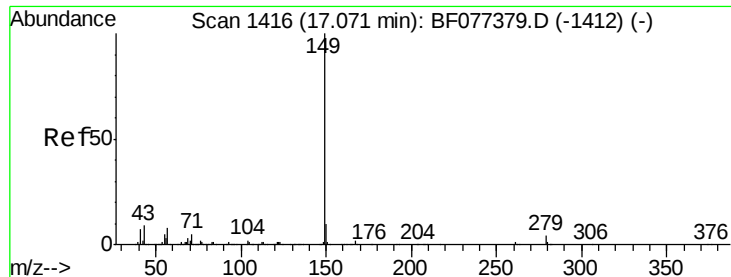
Delta R.T. -0.01 min

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

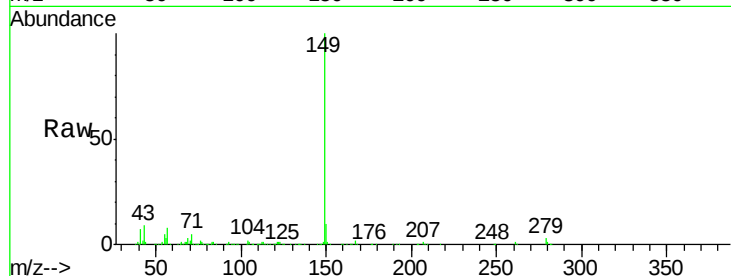
ClientSampleId :

DRILL-CUTTINGSMS

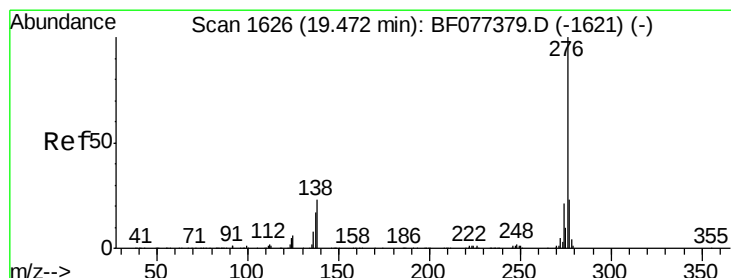
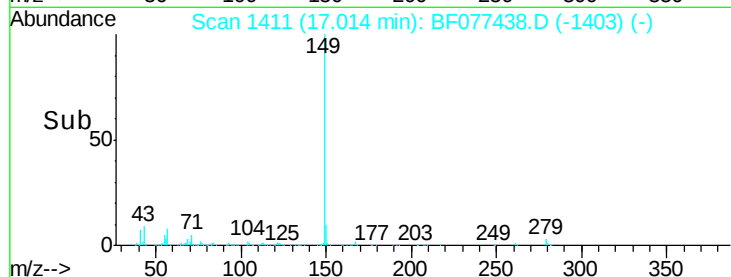
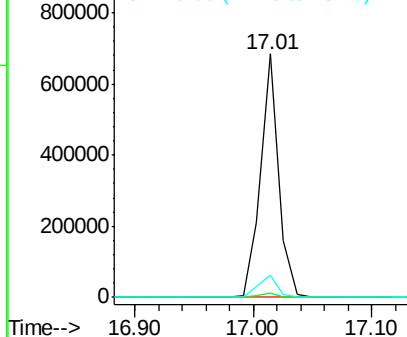
Tgt Ion:	149	Resp:	732850
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.3	1.9
43	9.4	8.1	12.1

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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

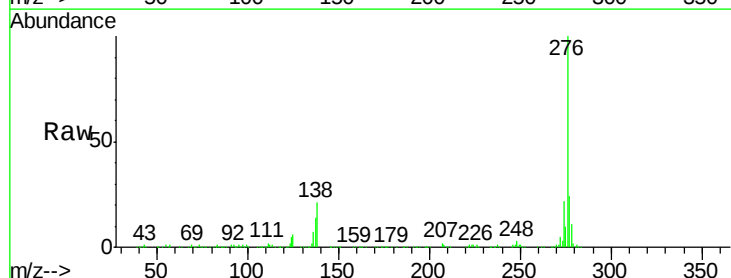
RT: 19.37 min Scan# 1617

Delta R.T. -0.02 min

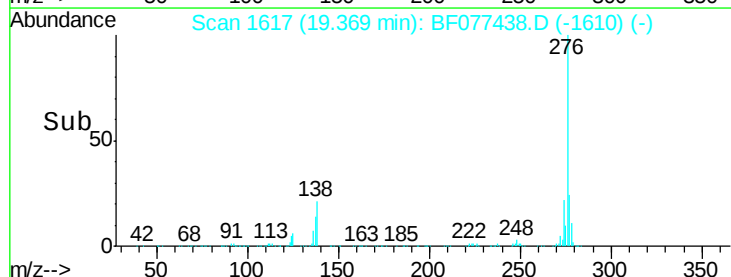
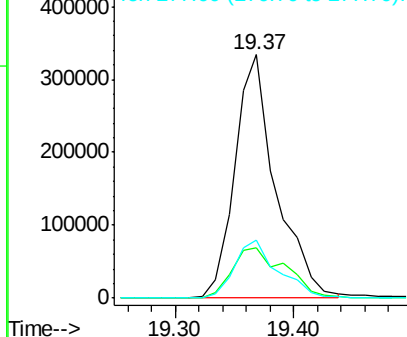
Lab File: BF077438.D

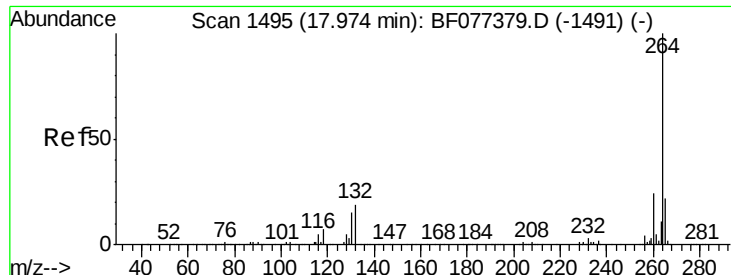
Acq: 25 Feb 2015 17:24

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





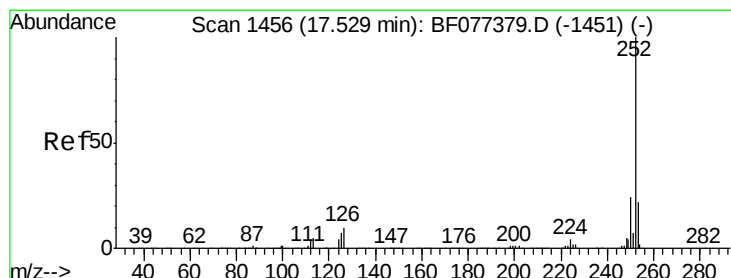
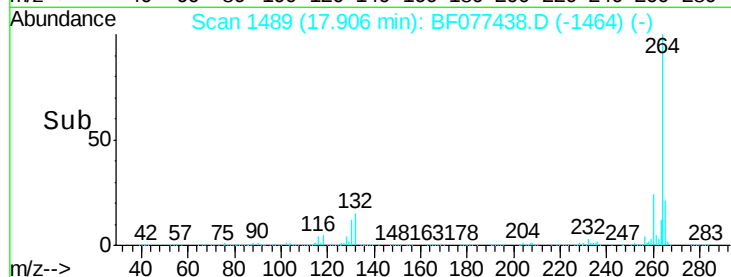
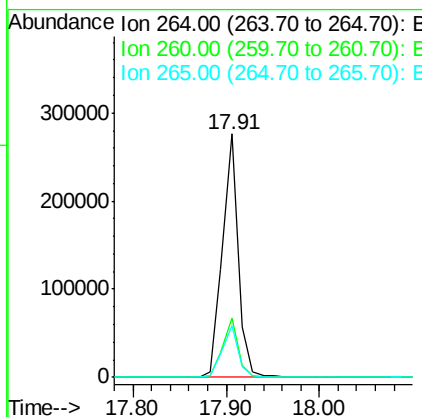
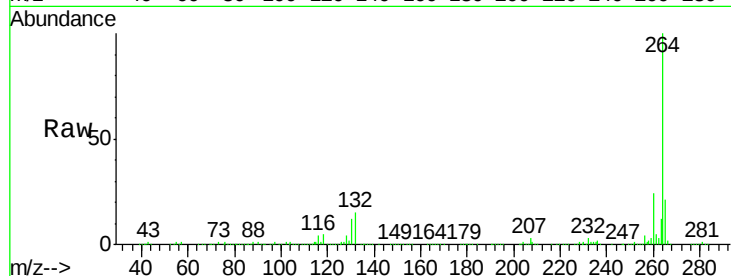
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.91 min Scan# 1489
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

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

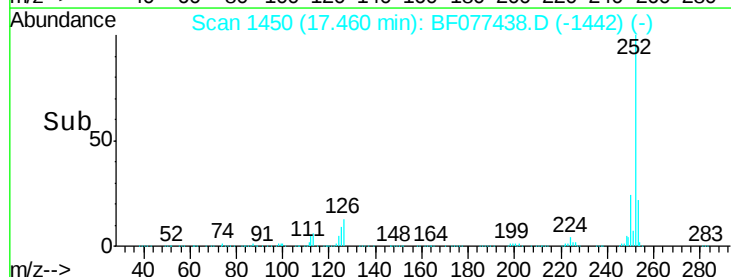
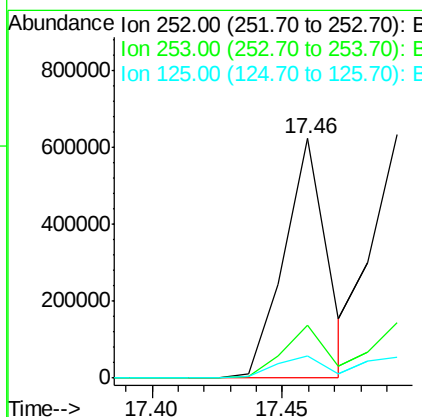
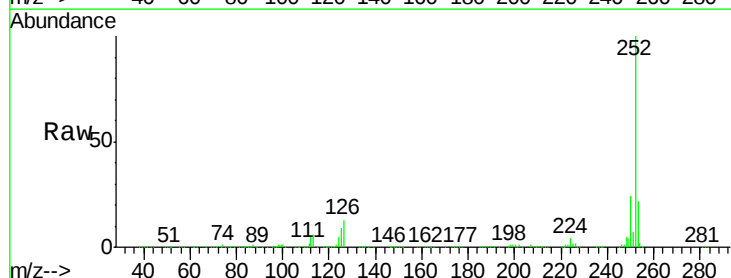
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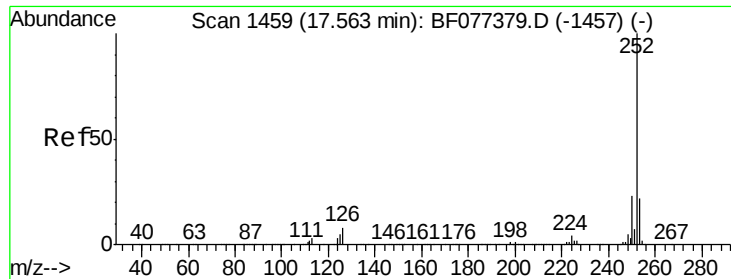
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#87
Benzo(b)fluoranthene
Concen: 37.37 ng
RT: 17.46 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.3	5.4	8.2





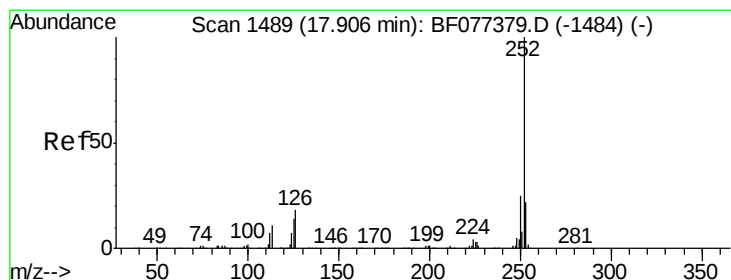
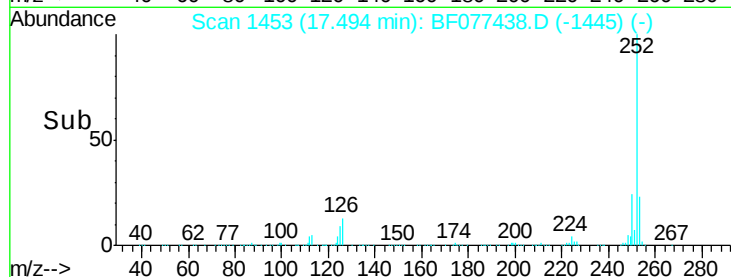
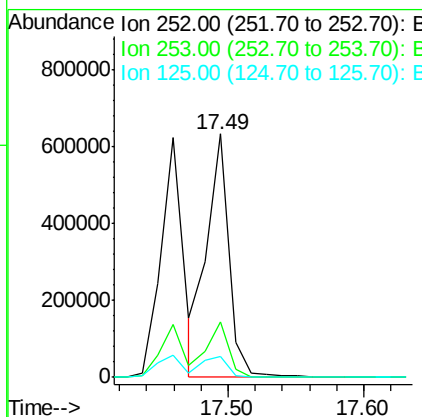
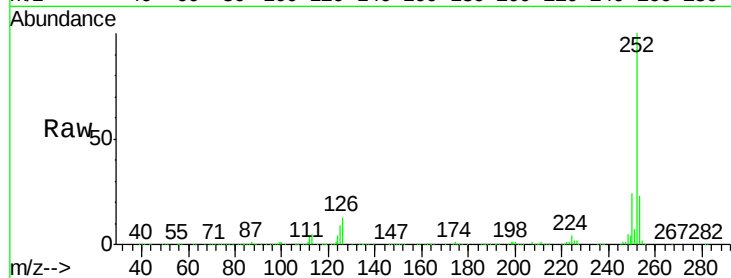
#88
Benzo(k)fluoranthene
Concen: 39.00 ng m
RT: 17.49 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	8.6	10.1	15.1

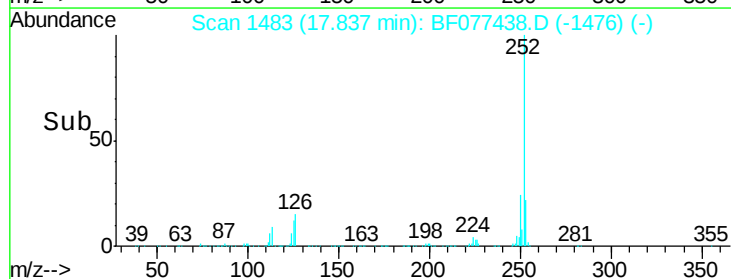
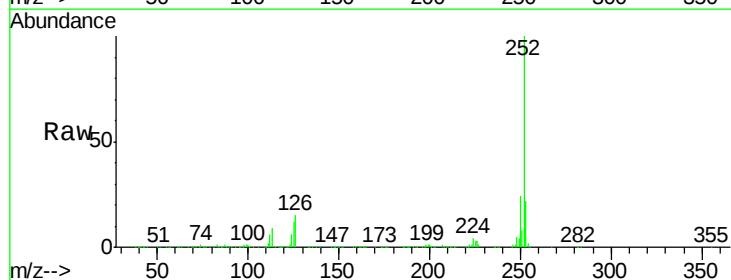
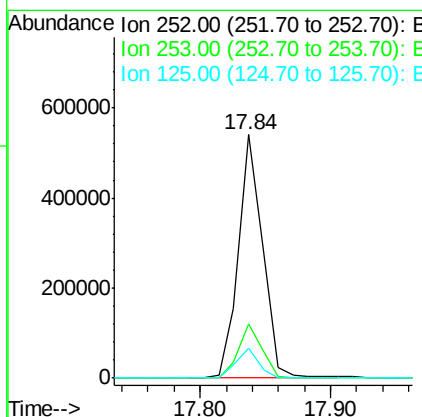
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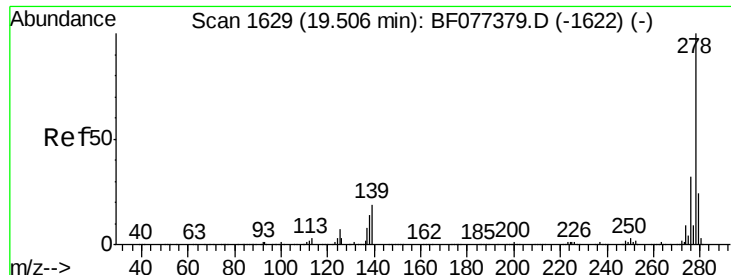
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#89
Benzo(a)pyrene
Concen: 38.55 ng
RT: 17.84 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

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





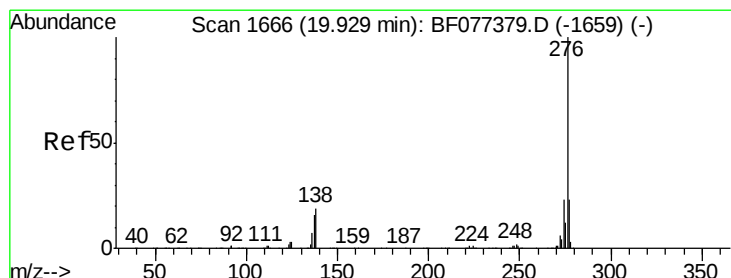
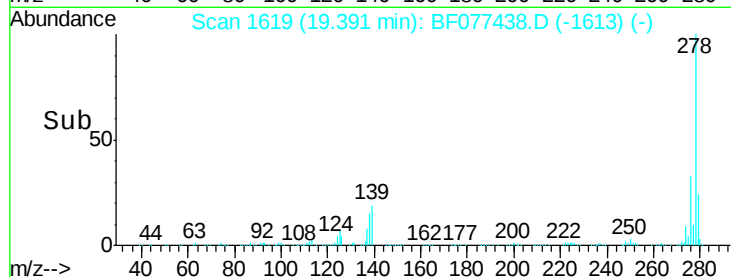
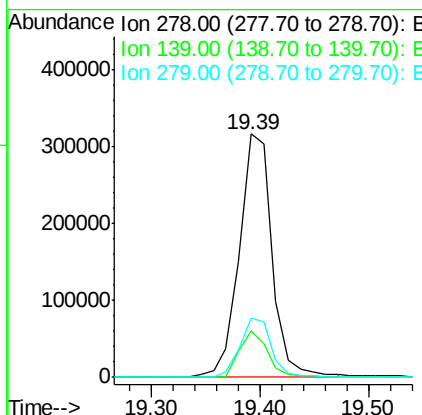
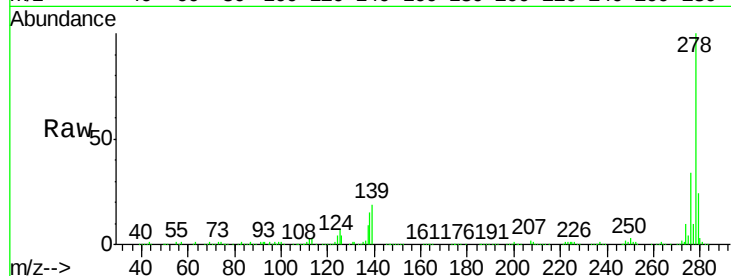
#90
Dibenzo(a,h)anthracene
Concen: 37.99 ng
RT: 19.39 min Scan# 1619
Delta R.T. -0.03 min
Lab File: BF077438.D
Acq: 25 Feb 2015 17:24

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMS

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

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#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	Resp Lower	Resp Upper
276	100		
277	23.7	18.9	28.3
138	20.1	20.5	30.7#

