

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

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMSD

Manual Integrations
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 2/25/2015 3:33:26 PM

Quant Time: Feb 25 01:09:26 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 25 00:25:01 2015
 Response via : Initial Calibration

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

System Monitoring Compounds

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

Target Compounds

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

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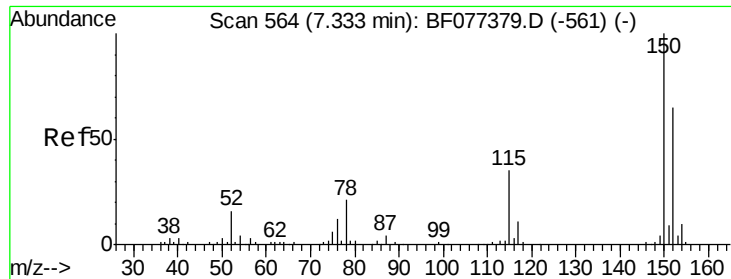
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1'-Biphenyl	10.35	154	195048	25.34	ng	99
46) 2-Chloronaphthalene	10.36	162	161122	26.69	ng	100
47) 2-Nitroaniline	10.49	65	39274	26.43	ng	94
48) Acenaphthylene	10.88	152	261354	27.35	ng	99
49) Dimethylphthalate	10.73	163	199206	27.89	ng	99
50) 2,6-Dinitrotoluene	10.80	165	38419	26.82	ng	# 47
51) Acenaphthene	11.09	154	149289	26.18	ng	100
52) 3-Nitroaniline	11.00	138	41073	24.87	ng	88
54) Dibenzofuran	11.31	168	229816	26.10	ng	96
55) 4-Nitrophenol	11.21	139	6759	5.09	ng	# 78
56) 2,4-Dinitrotoluene	11.30	165	50326	26.00	ng	93
57) Fluorene	11.73	166	190439	27.05	ng	100
58) 2,3,4,6-Tetrachlorophenol	11.46	232	10842	6.53	ng	# 97
59) Diethylphthalate	11.61	149	180005	25.57	ng	98
60) 4-Chlorophenyl-phenylether	11.75	204	87296	25.74	ng	94
61) 4-Nitroaniline	11.76	138	44321	28.00	ng	87
62) Azobenzene	11.94	77	183077	27.41	ng	91
64) 4,6-Dinitro-2-methylphenol	11.79	198	1252	5.16	ng	# 1
65) n-Nitrosodiphenylamine	11.88	169	157546	23.76	ng	99
66) 4-Bromophenyl-phenylether	12.35	248	52682	22.51	ng	# 91
67) Hexachlorobenzene	12.41	284	58679	23.36	ng	# 86
68) Atrazine	12.56	200	50062	23.22	ng	98
69) Pentachlorophenol	12.65	266	8668	6.57	ng	96
70) Phenanthrene	12.92	178	279923	24.17	ng	100
71) Anthracene	12.99	178	285436	24.83	ng	98
72) Carbazole	13.19	167	268527	24.57	ng	99
73) Di-n-butylphthalate	13.64	149	288175	22.46	ng	97
74) Fluoranthene	14.40	202	310741	24.56	ng	97
76) Benzidine	14.58	184	136600m	18.84	ng	
77) Pyrene	14.68	202	316100	24.08	ng	99
79) Butylbenzylphthalate	15.51	149	123491	22.86	ng	86
80) Benzo(a)anthracene	16.17	228	295584	23.50	ng	99
81) 3,3'-Dichlorobenzidine	16.15	252	79978	17.35	ng	# 96
82) Chrysene	16.21	228	281763	23.85	ng	98
83) Bis(2-ethylhexyl)phthalate	16.23	149	169654	19.59	ng	# 95
84) Di-n-octyl phthalate	17.01	149	293204	20.27	ng	# 99
85) Indeno(1,2,3-cd)pyrene	19.38	276	348774m	25.90	ng	
87) Benzo(b)fluoranthene	17.46	252	350444	27.07	ng	# 97
88) Benzo(k)fluoranthene	17.49	252	242398m	19.11	ng	
89) Benzo(a)pyrene	17.84	252	291965	23.68	ng	# 97
90) Dibenzo(a,h)anthracene	19.41	278	289173	24.59	ng	# 95
91) Benzo(g,h,i)perylene	19.81	276	295502	24.90	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.30 min Scan# 561

Delta R.T. -0.00 min

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BNA_F

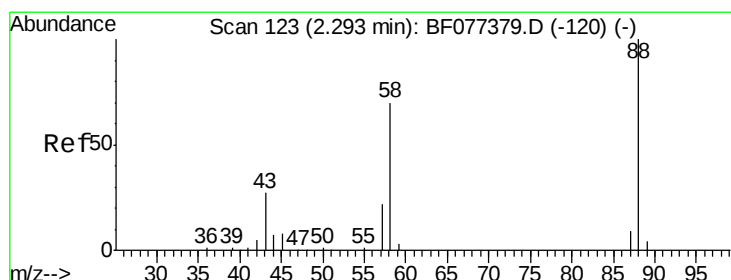
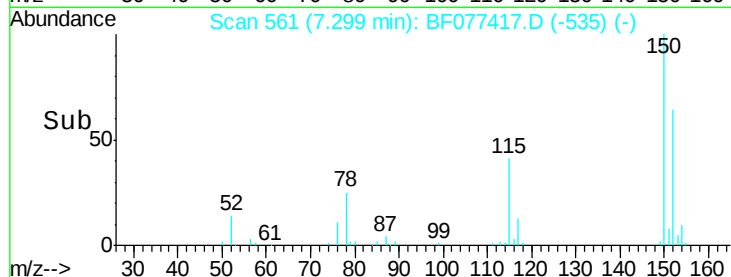
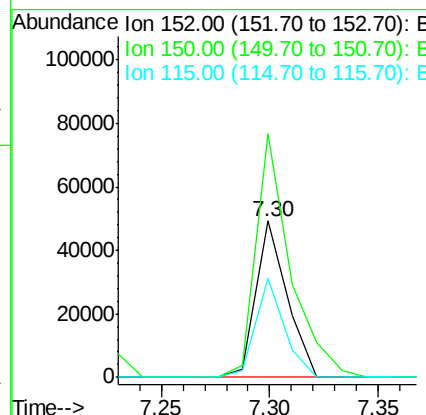
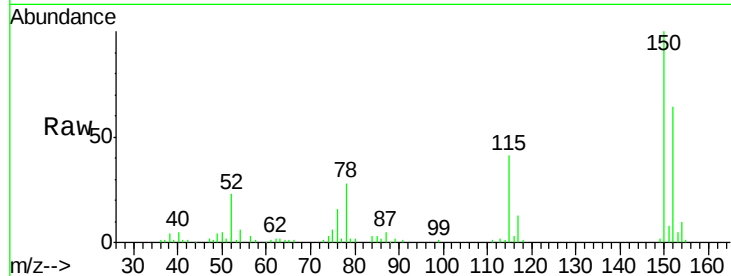
ClientSampleId :

DRILL-CUTTINGMSD

Tgt Ion:	152	Resp:	48641
Ion Ratio	Lower	Upper	
152	100		
150	156.1	124.0	186.0
115	63.8	49.4	74.2

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#2

1,4-Dioxane

Concen: 20.78 ng

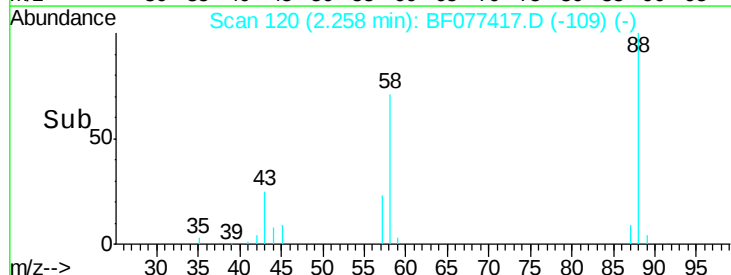
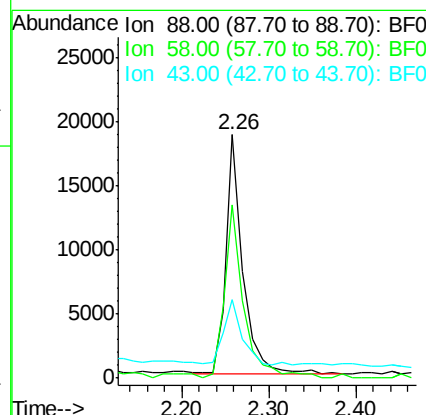
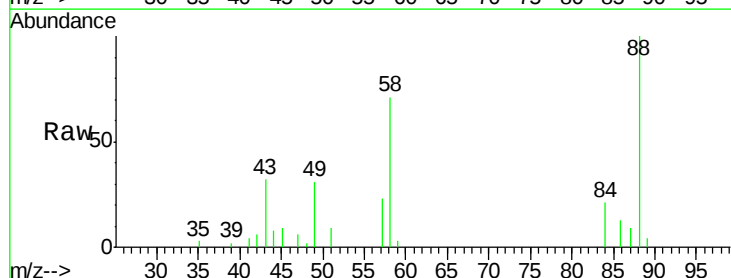
RT: 2.26 min Scan# 120

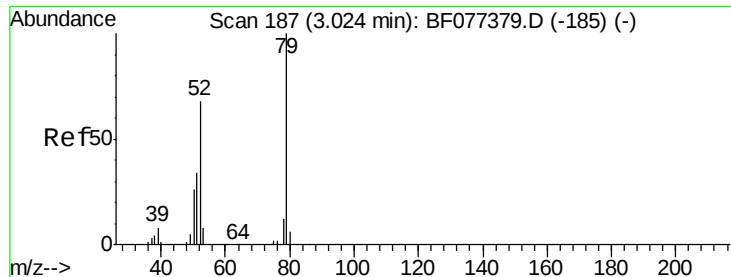
Delta R.T. 0.02 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Tgt Ion:	88	Resp:	25691
Ion Ratio	Lower	Upper	
88	100		
58	82.3	62.1	93.1
43	28.7	24.0	36.0





#3

Pyridine

Concen: 21.80 ng

RT: 3.00 min Scan# 185

Delta R.T. 0.03 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

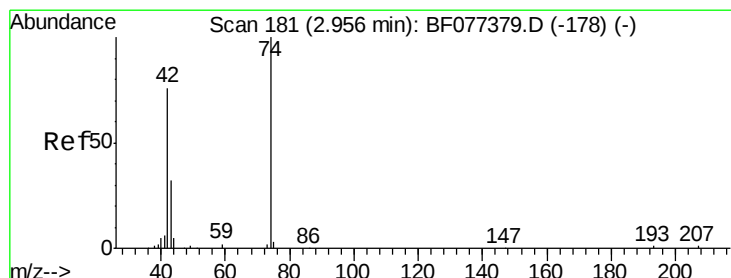
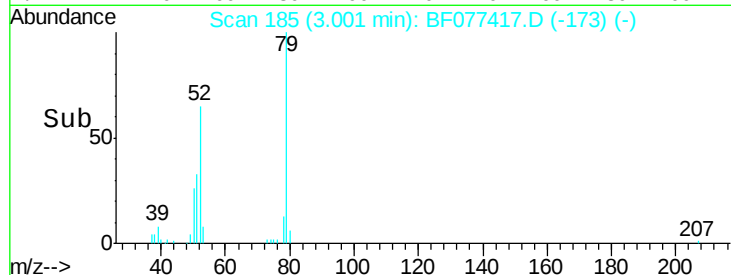
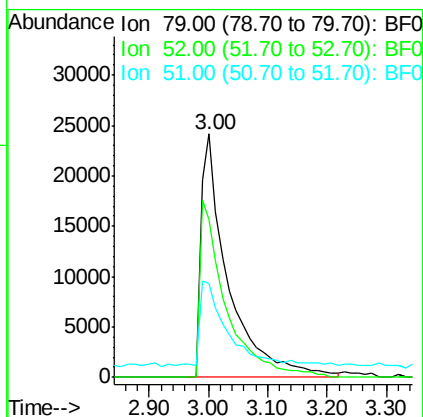
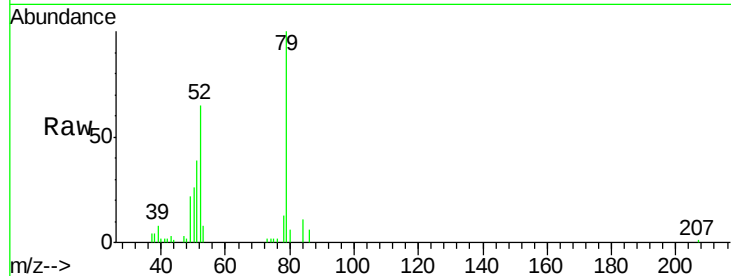
ClientSampleId :

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Tgt Ion:	79	Resp:	77101
Ion	Ratio	Lower	Upper
79	100		
52	64.8	57.7	86.5
51	38.6	28.5	42.7

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#4

n-Nitrosodimethylamine

Concen: 23.55 ng

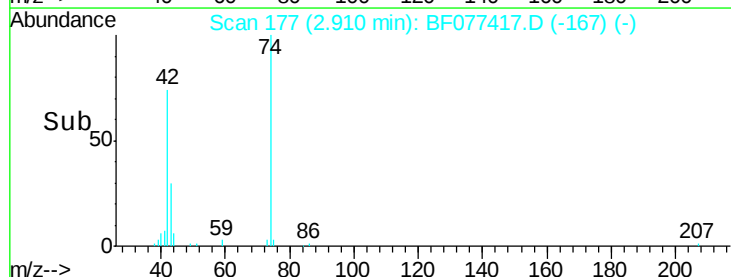
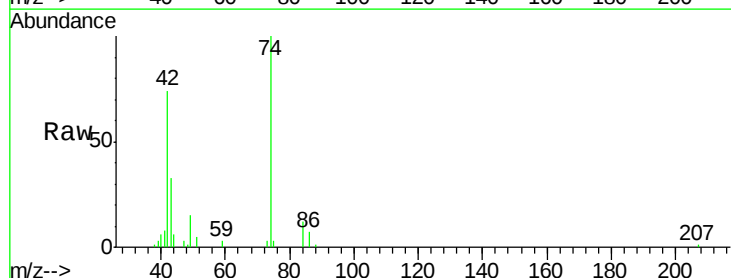
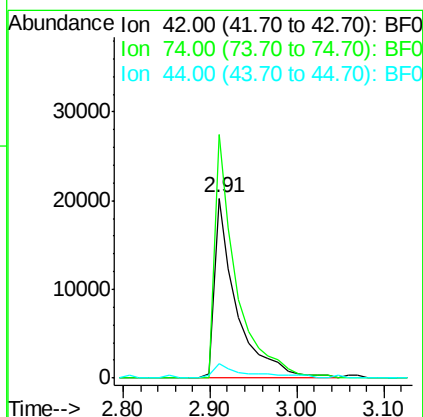
RT: 2.91 min Scan# 177

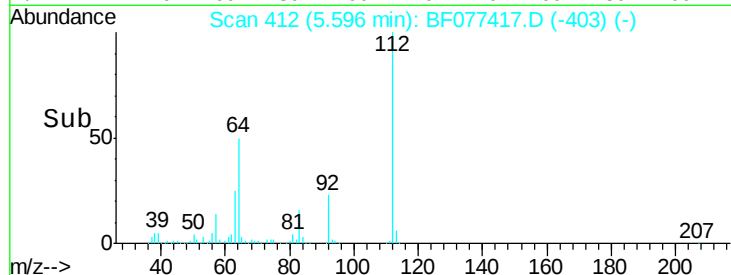
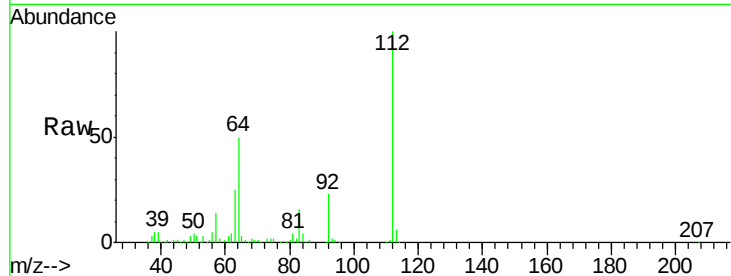
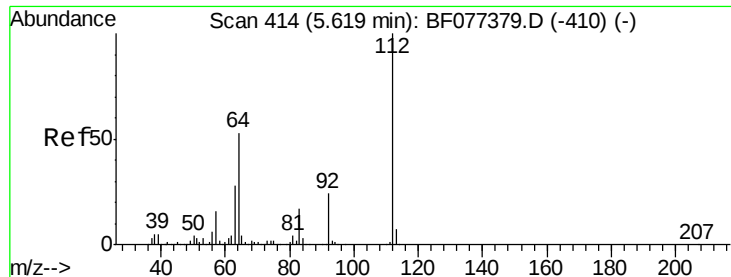
Delta R.T. 0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Tgt Ion:	42	Resp:	36209
Ion	Ratio	Lower	Upper
42	100		
74	135.5	107.1	160.7
44	8.3	6.7	10.1





#5

2-Fluorophenol

Concen: 55.72 ng

RT: 5.60 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF077417.D

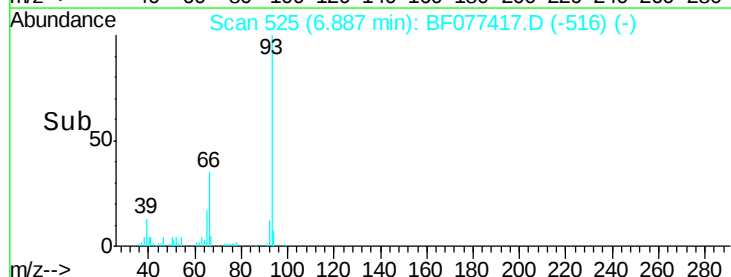
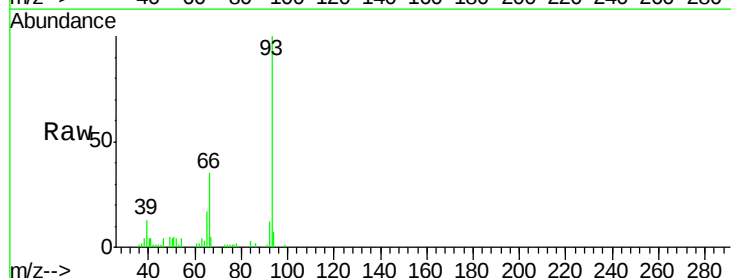
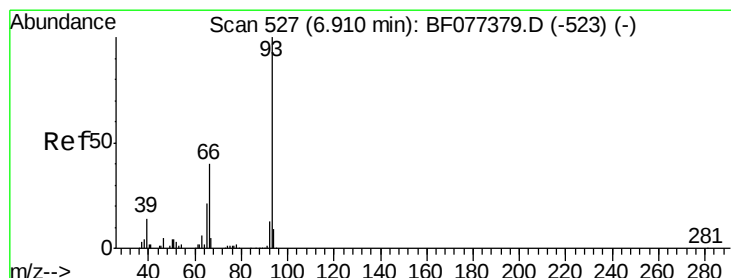
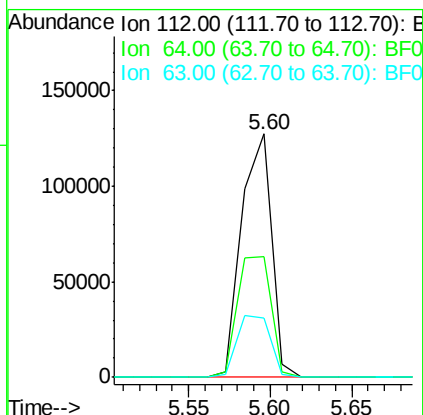
Acq: 24 Feb 2015 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	162353		
64	49.8	48.5	72.7	
63	24.5	25.0	37.4	

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#6

Aniline

Concen: 11.61 ng

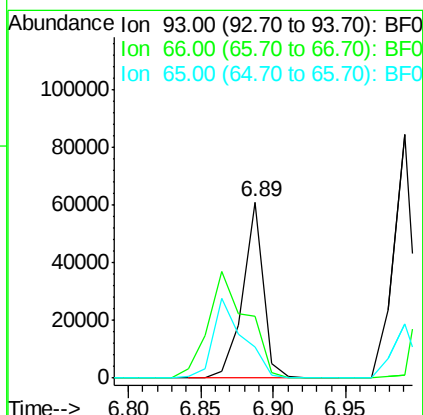
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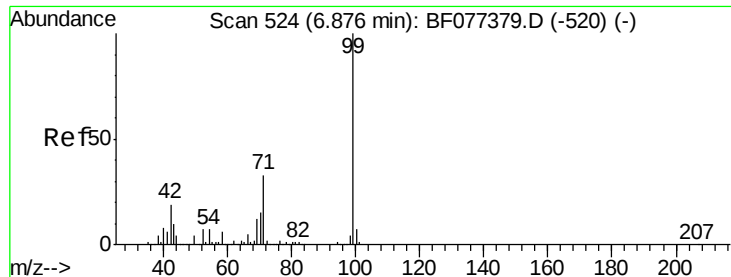
Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	60127		
66	35.5	29.1	43.7	
65	17.3	14.6	22.0	





#7

Phenol-d6

Concen: 76.96 ng

RT: 6.85 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF077417.D

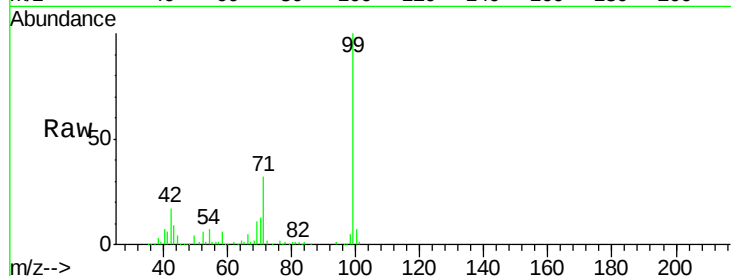
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Instrument :

BNA_F

ClientSampleId :

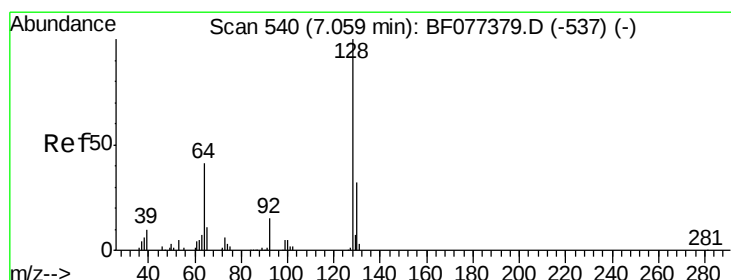
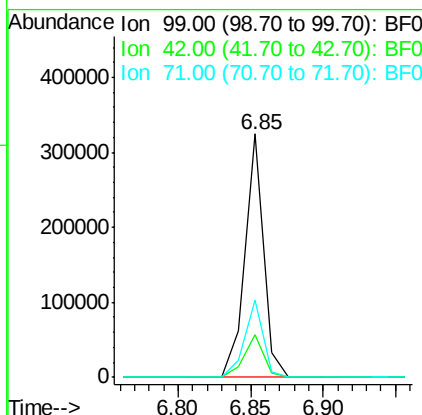
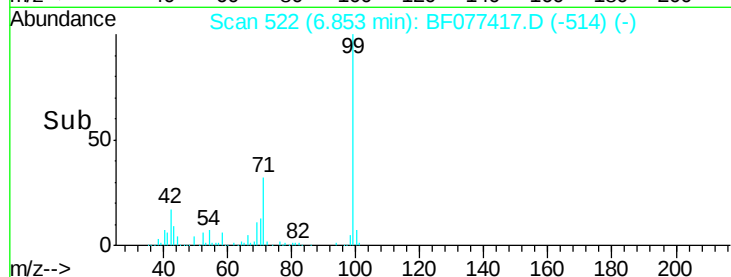
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Tgt Ion	Ratio	Resp	Lower	Upper
99	100	288309		
42	17.4	16.2	24.4	
71	31.5	26.7	40.1	

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#8

2-Chlorophenol

Concen: 20.72 ng

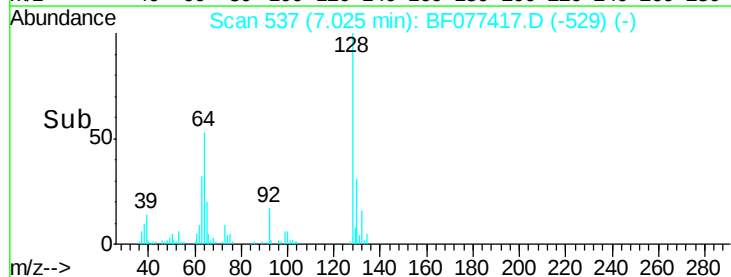
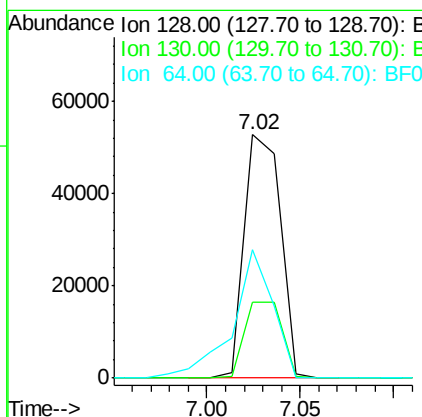
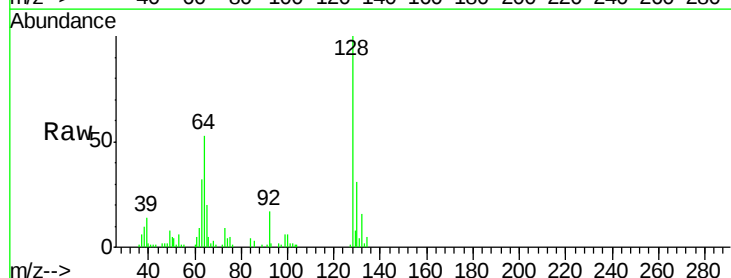
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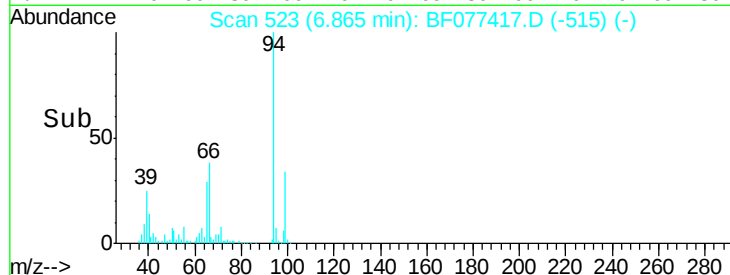
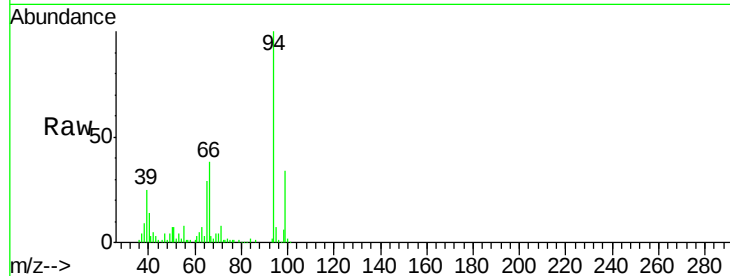
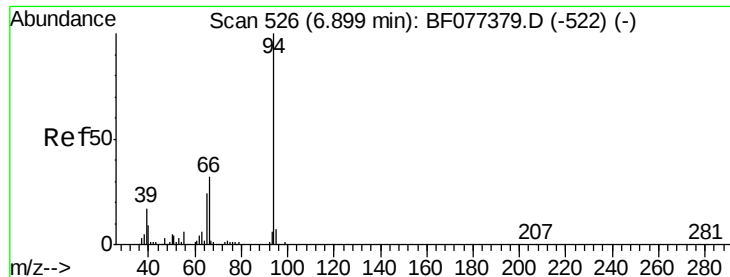
Delta R.T. -0.01 min

Lab File: BF077417.D

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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	71212		
130	31.3	12.0	52.0	
64	53.0	29.2	69.2	





#10

Phenol

Concen: 24.16 ng

RT: 6.86 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Tgt Ion:	94	Resp:	107369
Ion	Ratio	Lower	Upper
94	100		
65	28.6	5.7	45.7
66	38.2	13.6	53.6

Instrument :

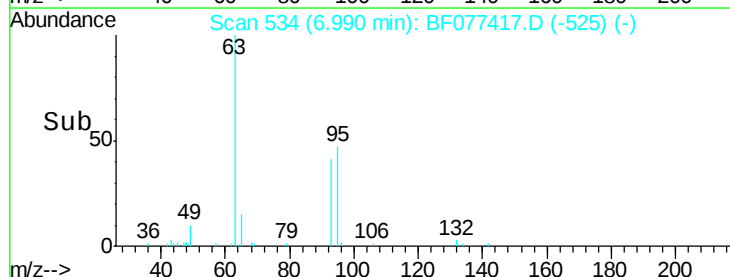
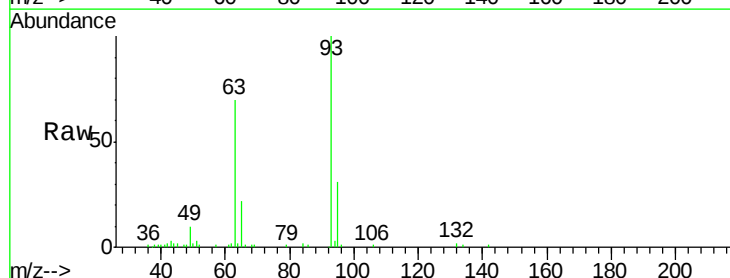
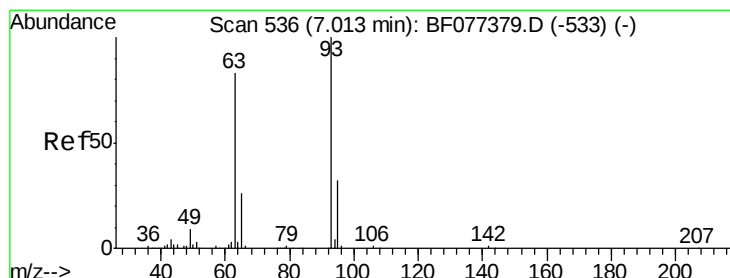
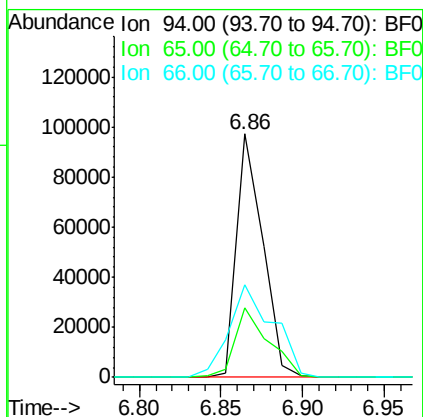
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ClientSampleId :

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#11

bis(2-Chloroethyl)ether

Concen: 24.32 ng

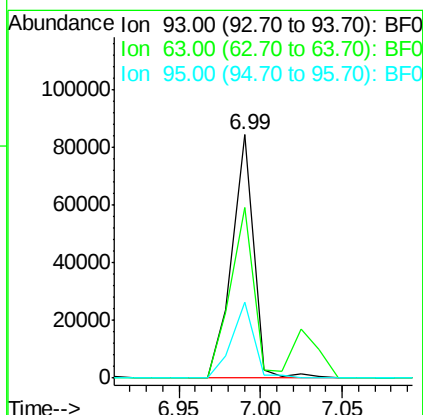
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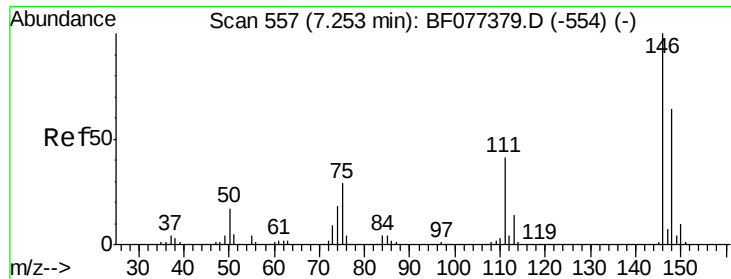
Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Tgt Ion:	93	Resp:	77665
Ion	Ratio	Lower	Upper
93	100		
63	69.9	48.7	88.7
95	31.2	13.6	53.6





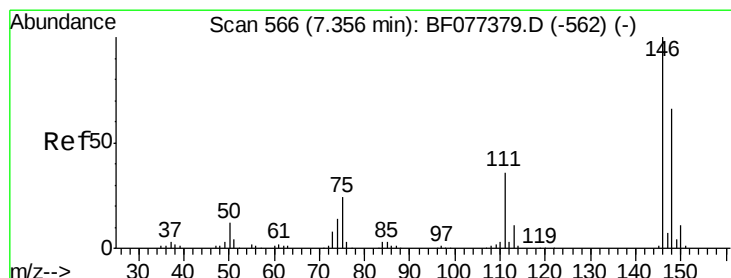
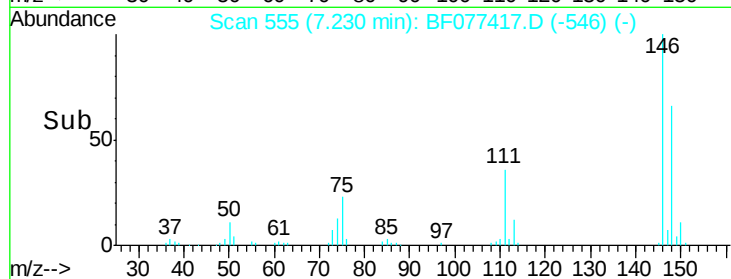
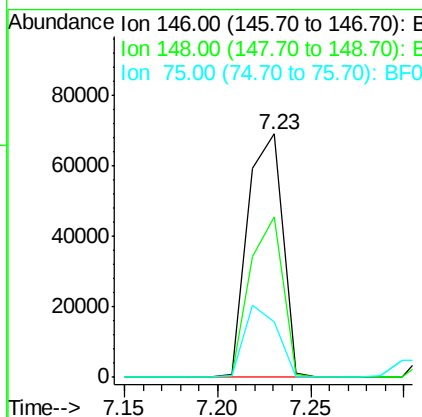
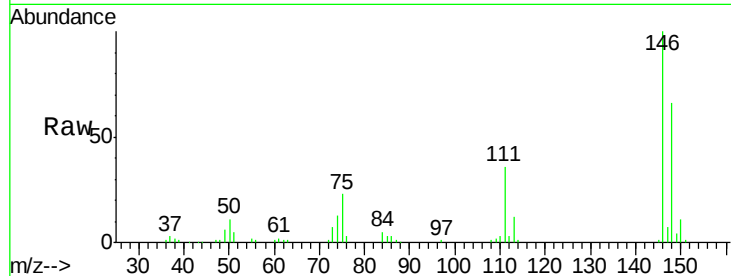
#12
 1,3-Dichlorobenzene
 Concen: 23.91 ng
 RT: 7.23 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.9	49.8	74.8
75	23.0	28.2	42.4

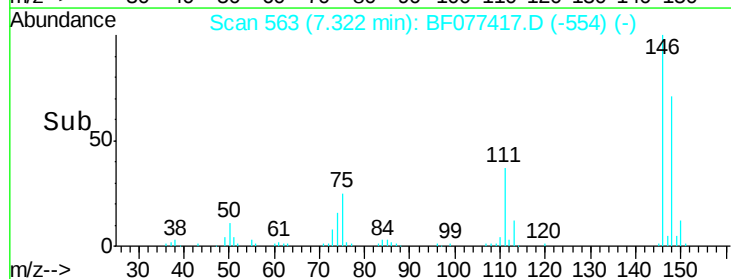
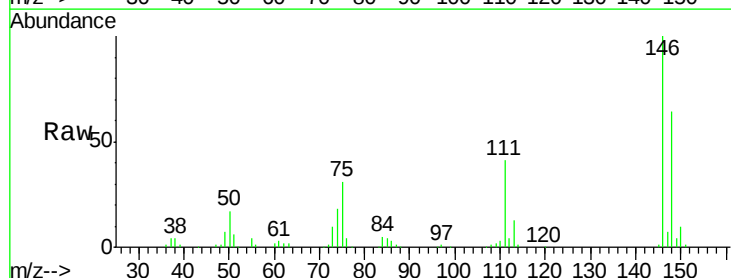
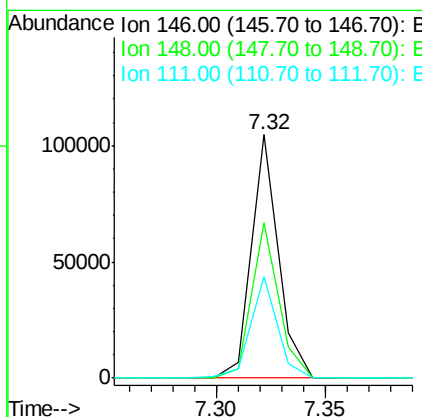
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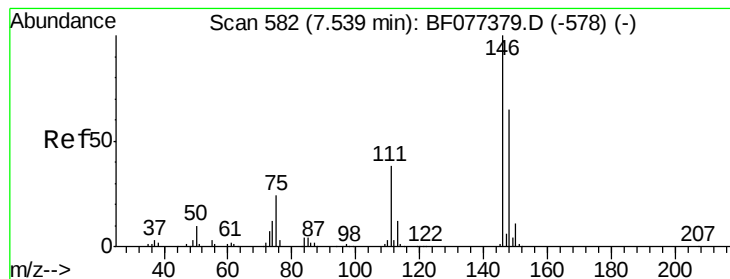
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#13
 1,4-Dichlorobenzene
 Concen: 23.65 ng
 RT: 7.32 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

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





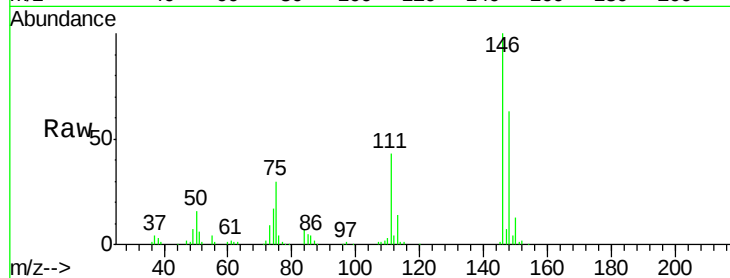
#14
1,2-Dichlorobenzene
Concen: 24.30 ng
RT: 7.50 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMSD

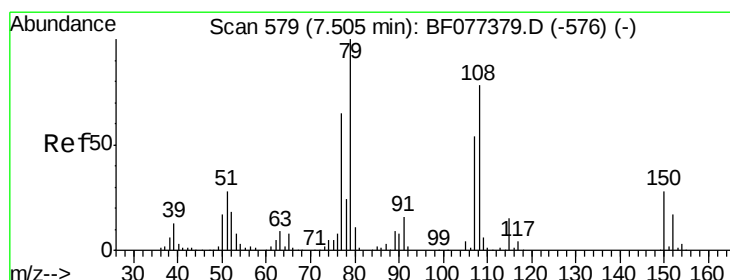
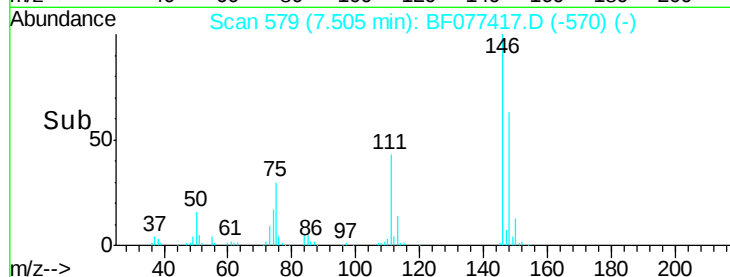
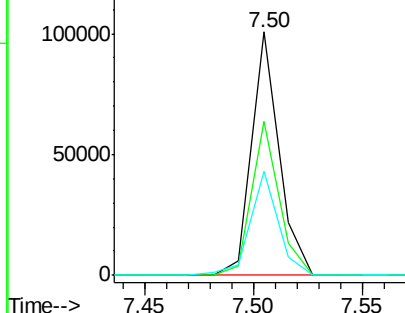
Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.6	77.4
111	42.9	34.2	51.2

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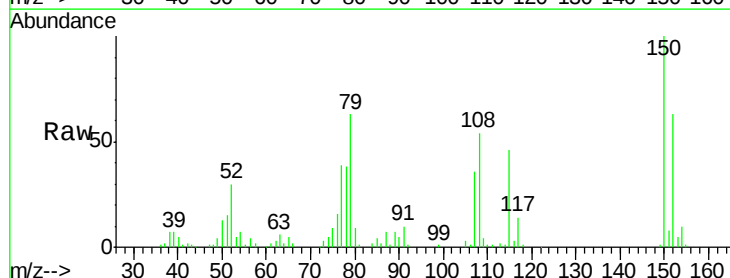


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

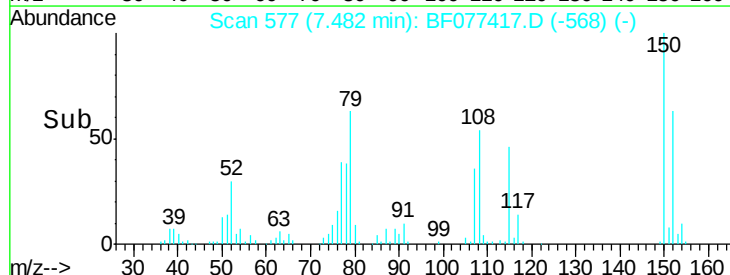
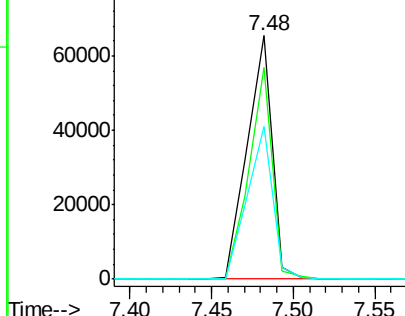


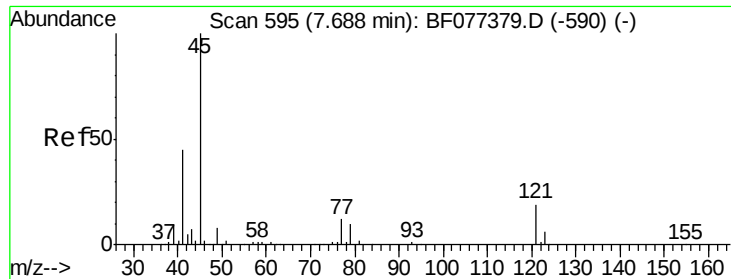
#15
Benzyl Alcohol
Concen: 24.33 ng
RT: 7.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

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



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





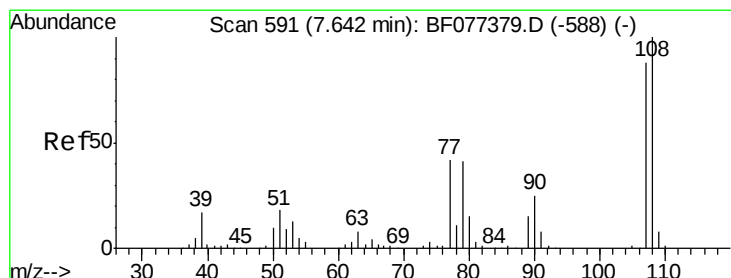
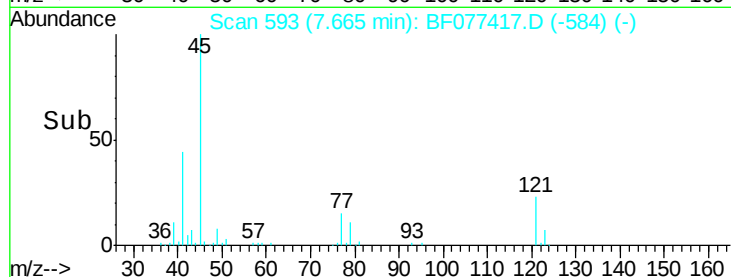
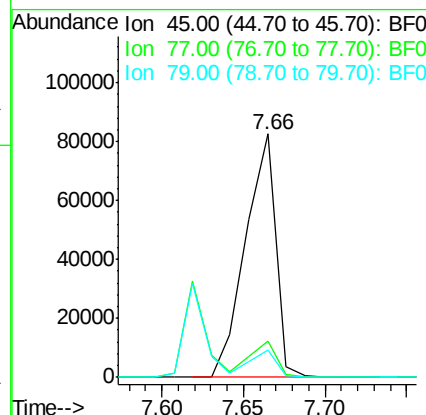
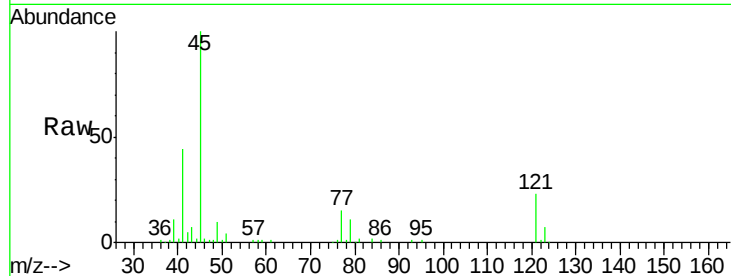
#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 23.24 ng
 RT: 7.66 min Scan# 593
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMSD

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

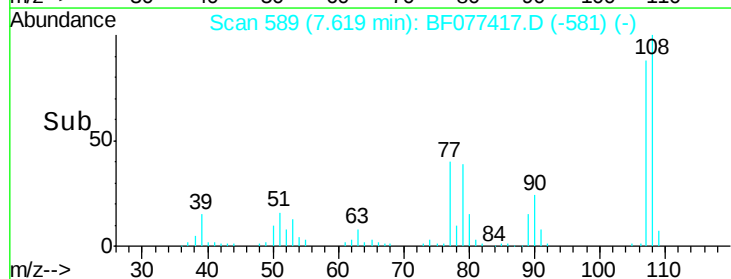
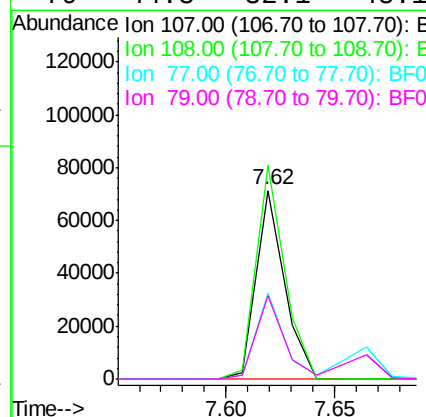
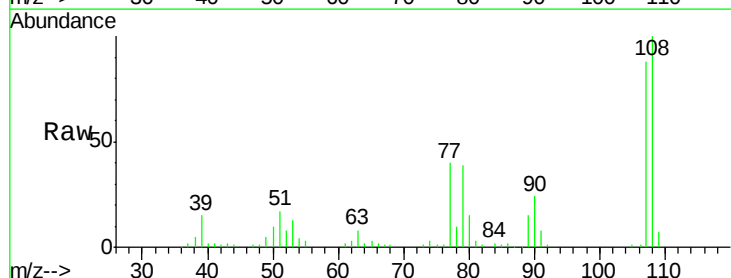
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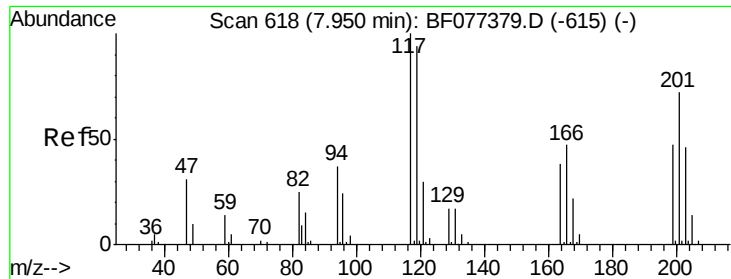
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#17
 2-Methylphenol
 Concen: 24.10 ng
 RT: 7.62 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

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





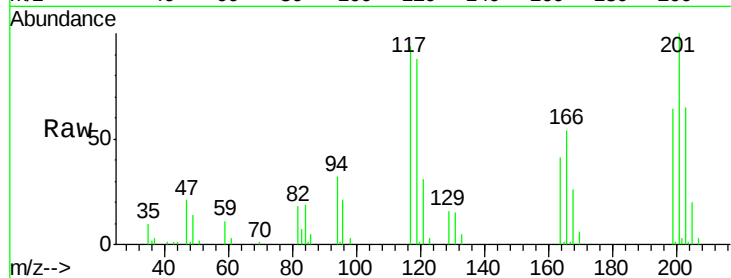
#18
Hexachloroethane
Concen: 23.98 ng
RT: 7.93 min Scan# 616
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMSD

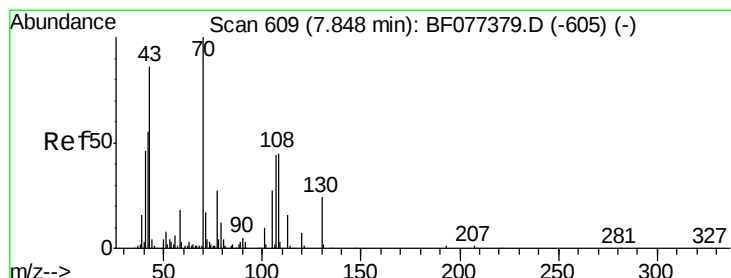
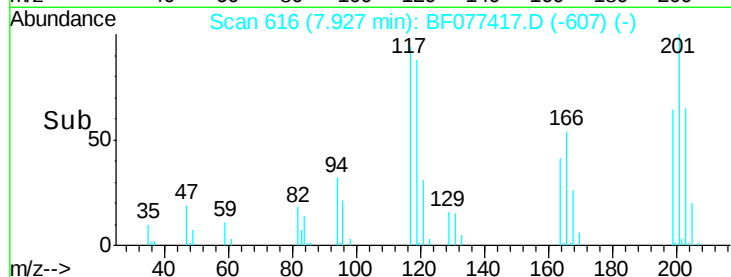
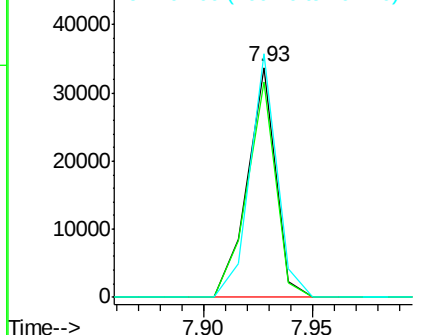
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	30501		
119	93.4	77.8	116.8	
201	105.8	90.6	136.0	

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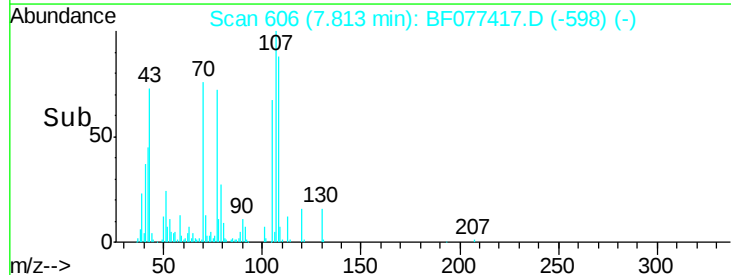
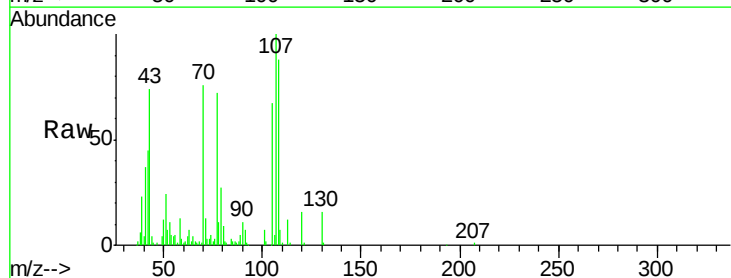
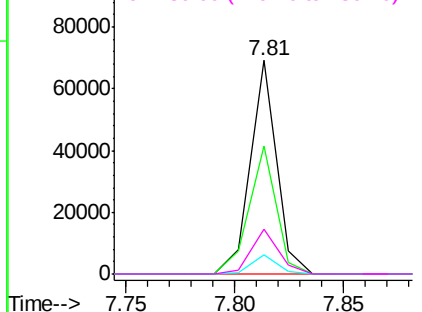
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

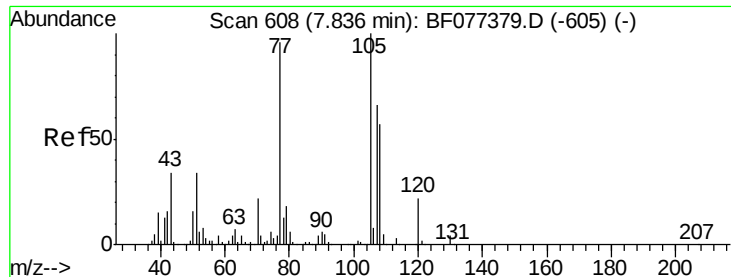


#19
n-Nitroso-di-n-propylamine
Concen: 24.36 ng
RT: 7.81 min Scan# 606
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

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

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





#20

3+4-Methylphenols

Concen: 24.57 ng

RT: 7.81 min Scan# 606

Delta R.T. -0.00 min

Lab File: BF077417.D

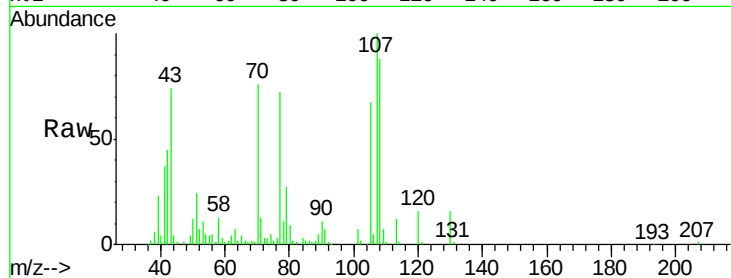
Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

DRILL-CUTTINGMSD



Tgt Ion:107 Resp: 86929

Ion Ratio Lower Upper

107 100

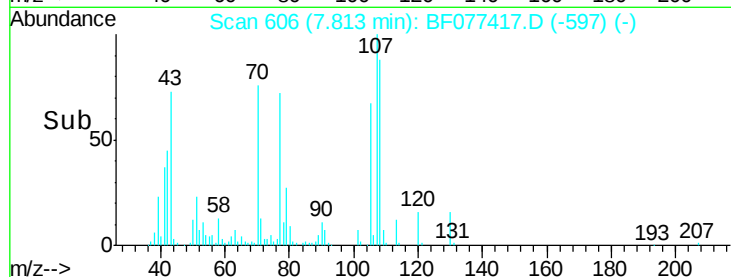
108 87.6 76.8 116.8

77 71.9 65.8 105.8

79 27.1 9.6 49.6

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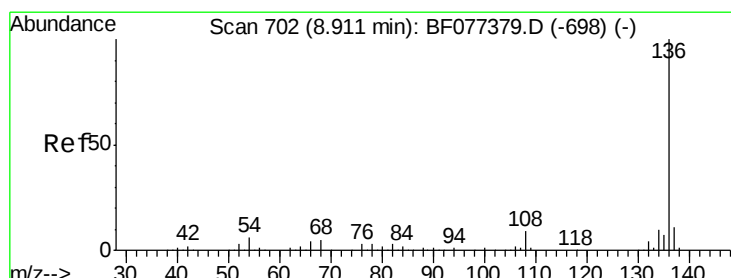
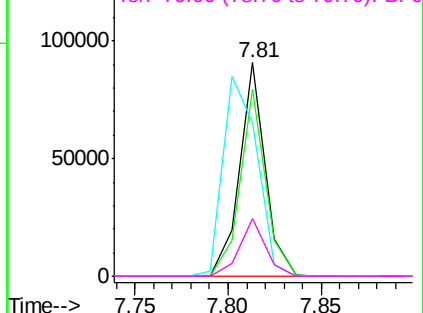


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Tgt Ion:136 Resp: 198034

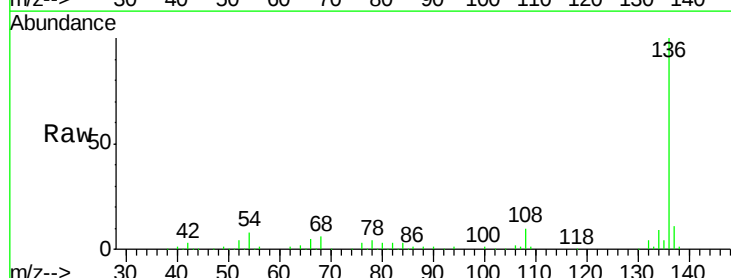
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.3 6.2 9.4

68 6.2 5.0 7.6

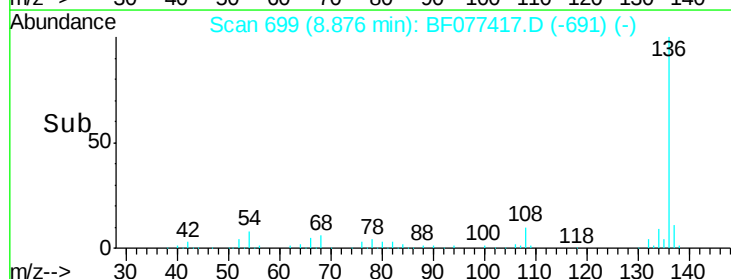
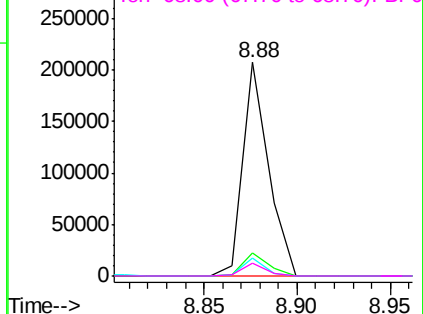


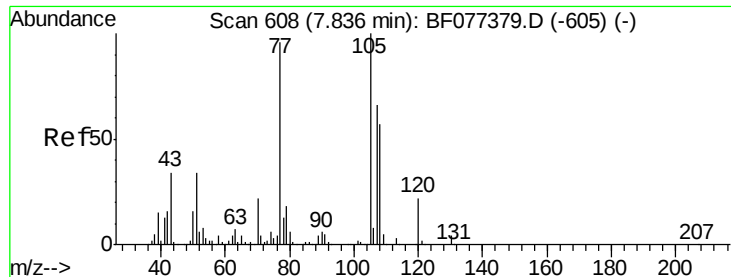
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 23.81 ng

RT: 7.80 min Scan# 605

Delta R.T. -0.01 min

Lab File: BF077417.D

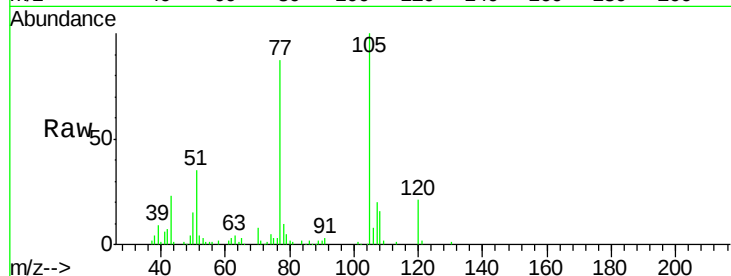
Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

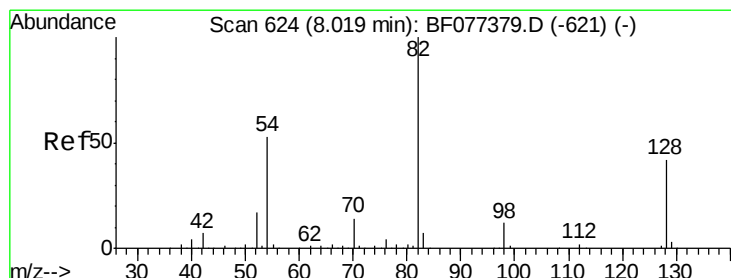
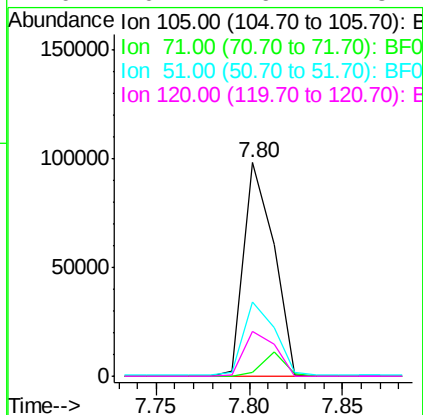
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		110892		
71	1.6		1.7		2.5#
51	34.6		30.7		46.1
120	20.7		16.7		25.1

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#23

Nitrobenzene-d5

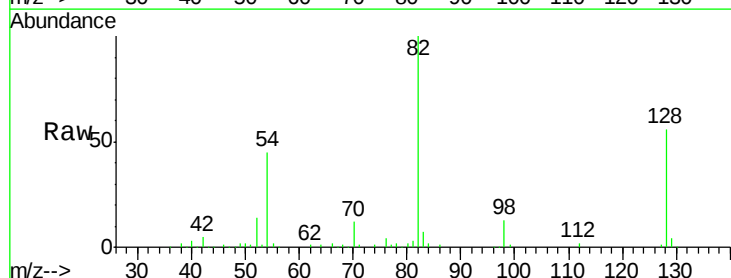
Concen: 53.64 ng

RT: 8.00 min Scan# 622

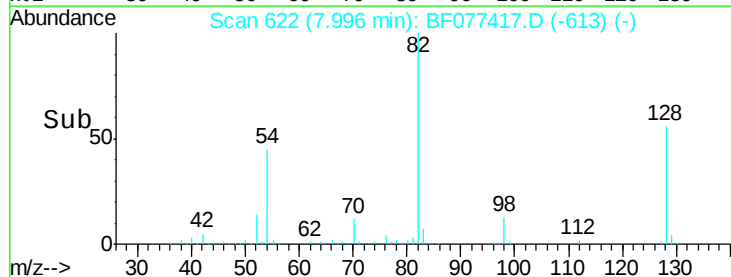
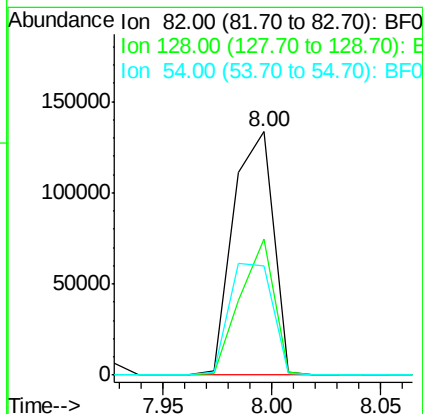
Delta R.T. -0.00 min

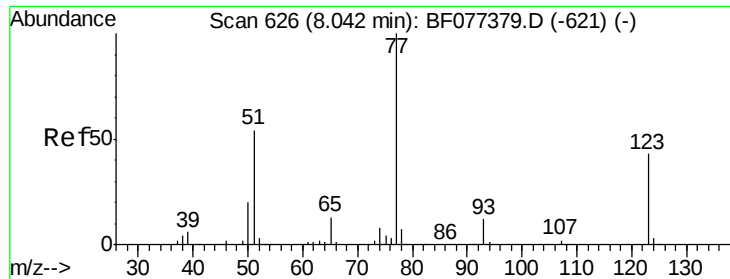
Lab File: BF077417.D

Acq: 24 Feb 2015 15:04



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		170836		
128	55.9		43.8		65.8
54	45.1		36.7		55.1





#24

Nitrobenzene

Concen: 24.80 ng

RT: 8.02 min Scan# 624

Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

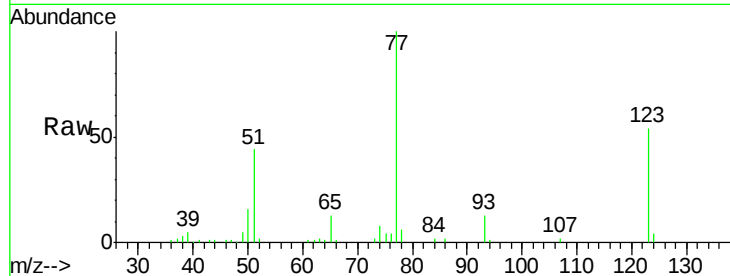
ClientSampleId :

DRILL-CUTTINGSMSD

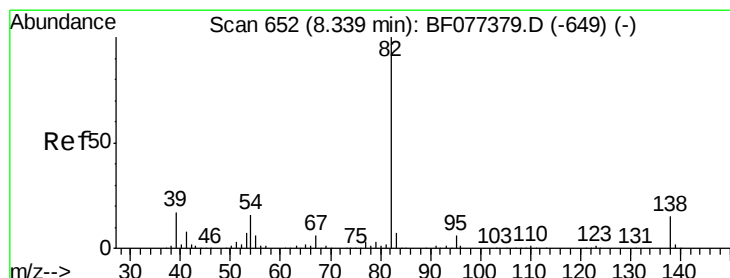
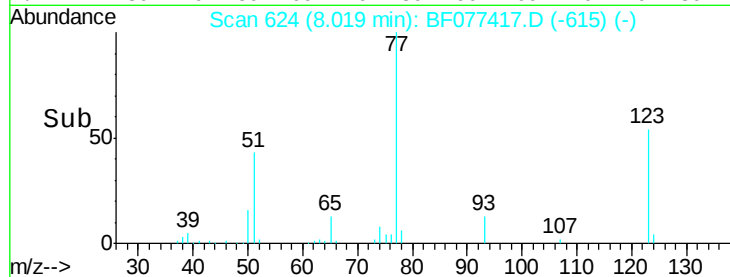
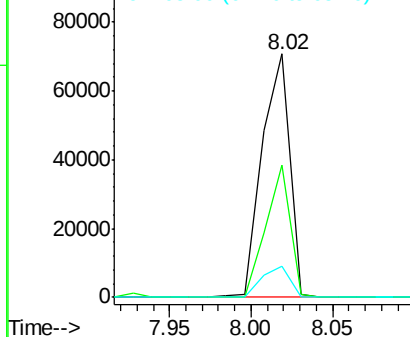
Tgt Ion:	77	Resp:	83087
Ion Ratio	Lower	Upper	
77	100		
123	54.4	45.9	68.9
65	12.6	9.5	14.3

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



#25

Isophorone

Concen: 24.44 ng

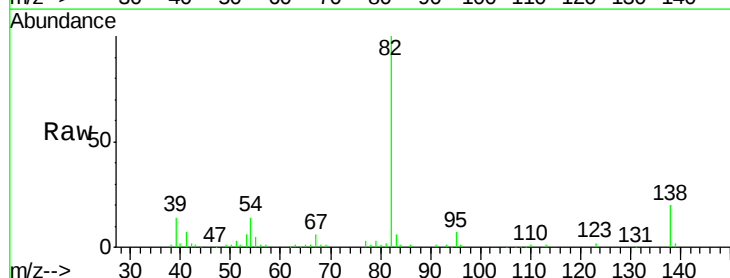
RT: 8.32 min Scan# 650

Delta R.T. -0.00 min

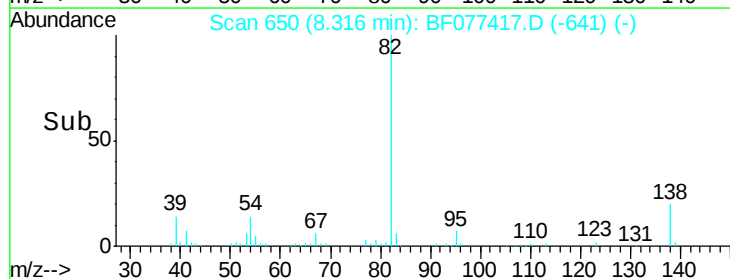
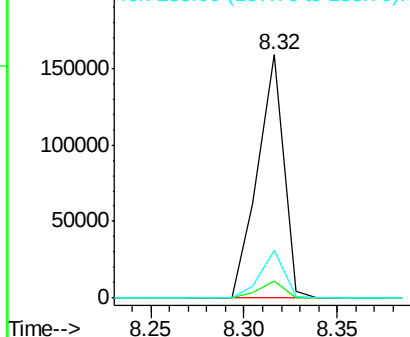
Lab File: BF077417.D

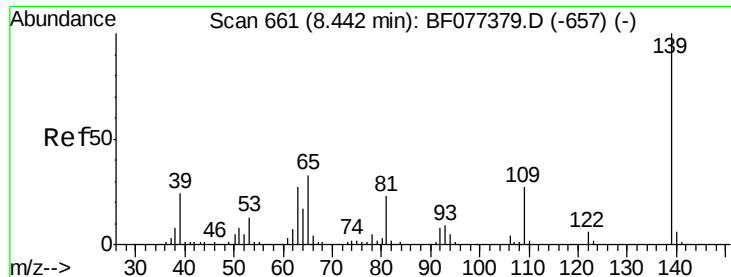
Acq: 24 Feb 2015 15:04

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



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





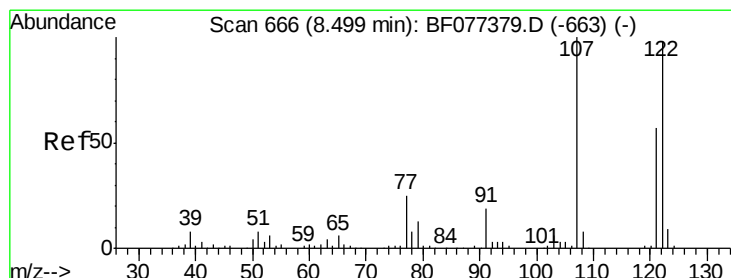
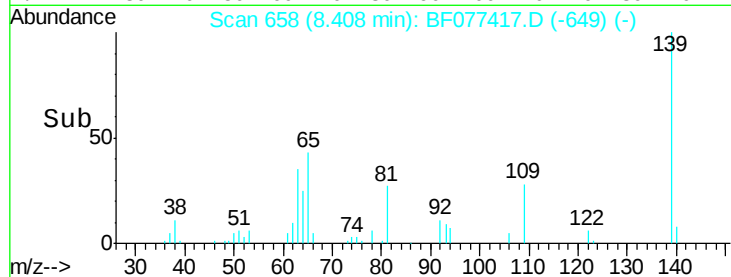
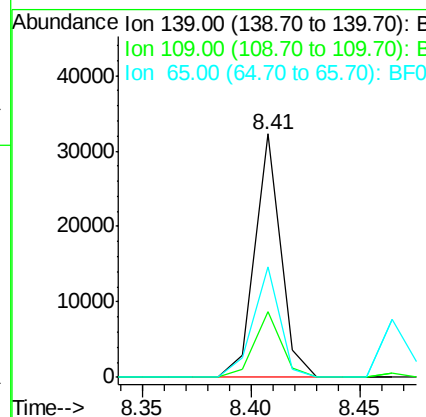
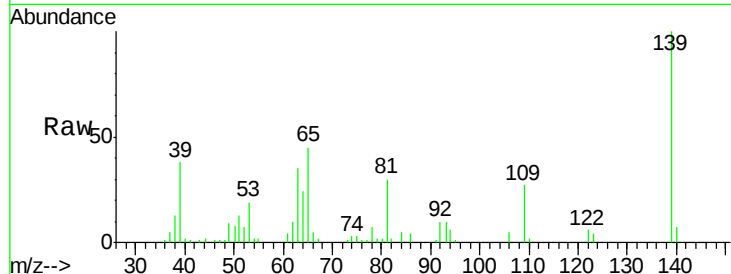
#26
 2-Nitrophenol
 Concen: 19.44 ng
 RT: 8.41 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD

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

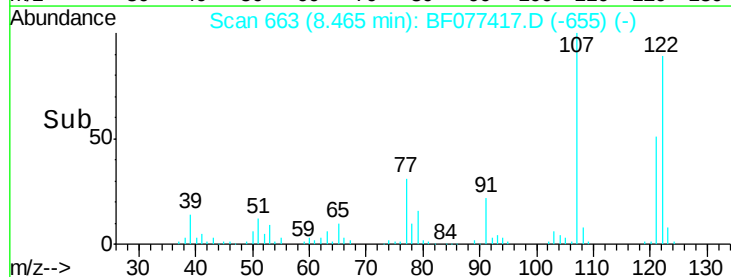
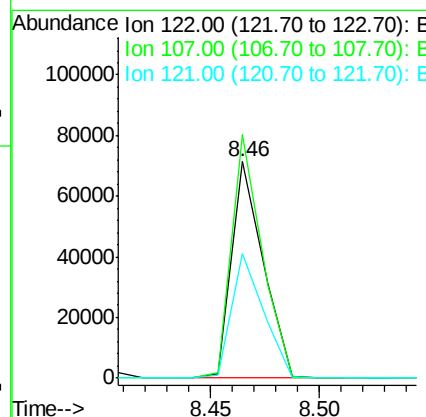
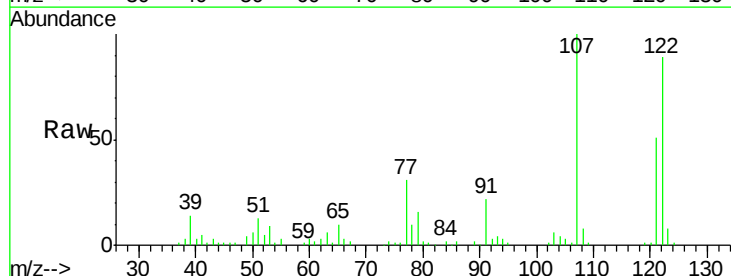
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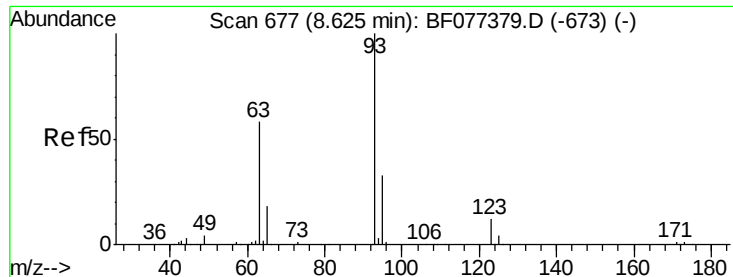
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#27
 2,4-Dimethylphenol
 Concen: 23.18 ng
 RT: 8.46 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

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





#28

bis(2-Chloroethoxy)methane

Concen: 22.69 ng

RT: 8.59 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

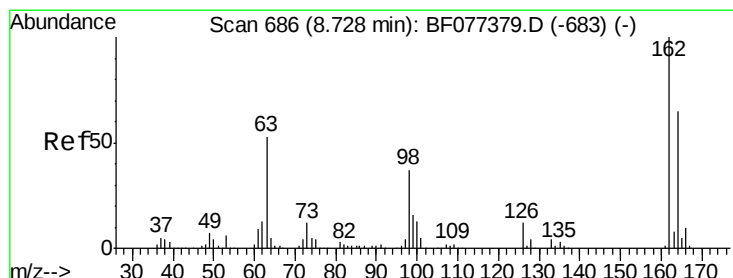
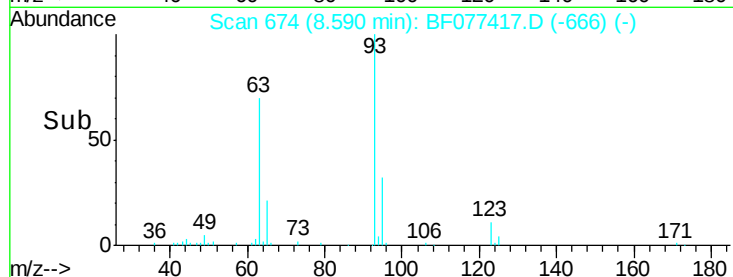
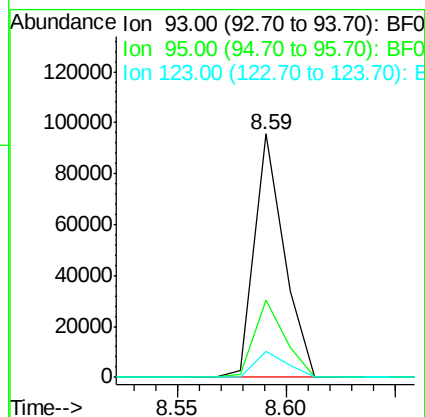
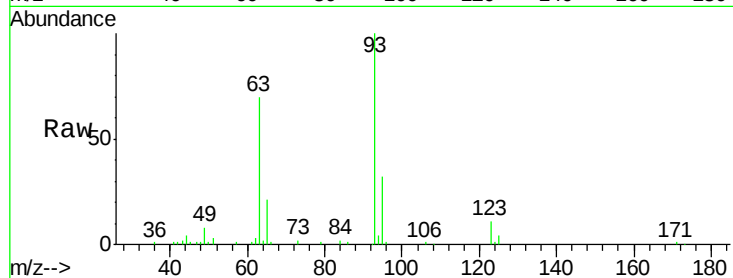
ClientSampleId :

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

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#29

2,4-Dichlorophenol

Concen: 20.53 ng

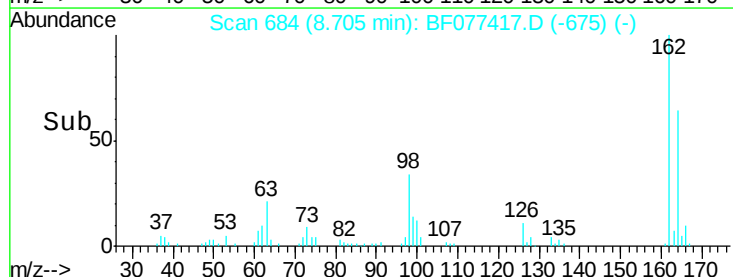
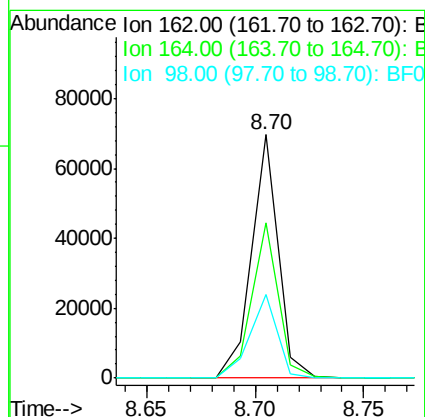
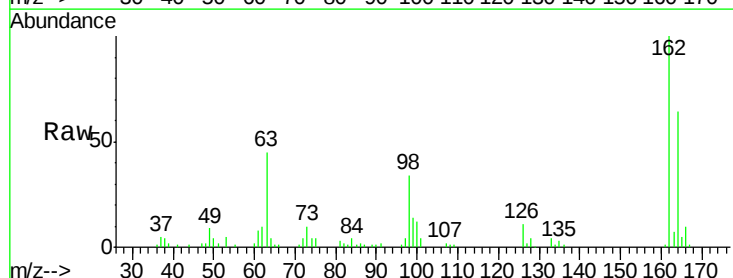
RT: 8.70 min Scan# 684

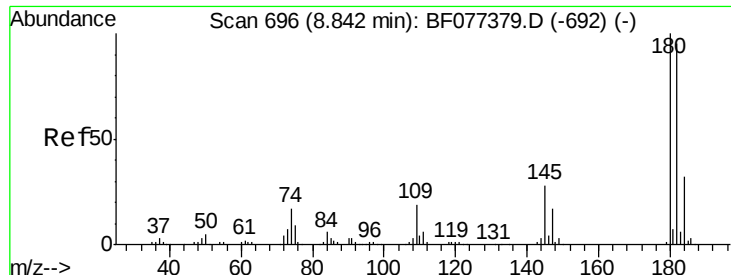
Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

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





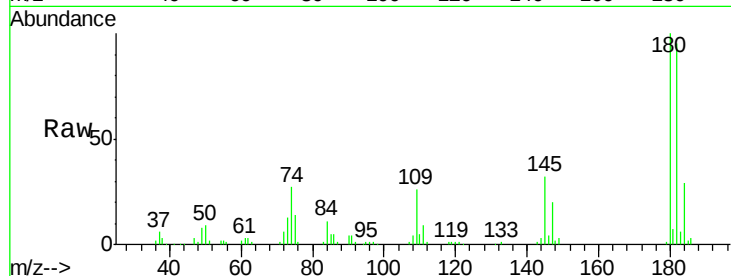
#30
 1,2,4-Trichlorobenzene
 Concen: 23.66 ng
 RT: 8.81 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMSD

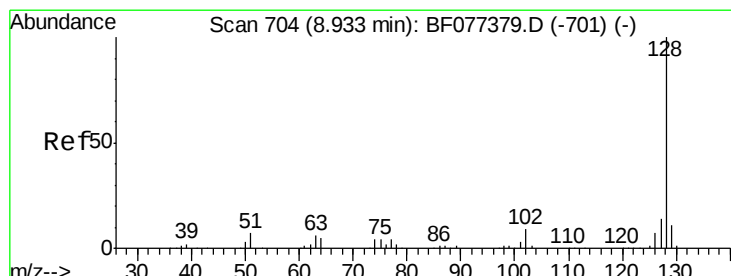
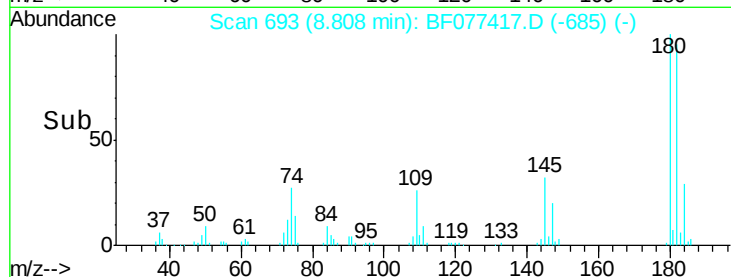
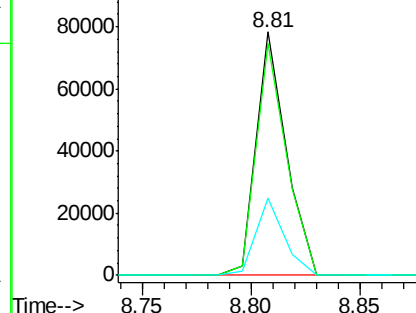
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	75027		
182	95.4	76.2	114.4	
145	31.8	24.5	36.7	

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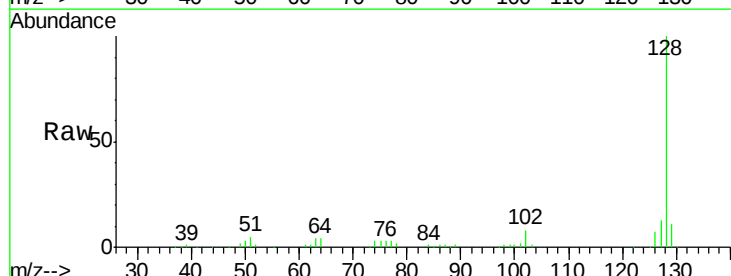


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

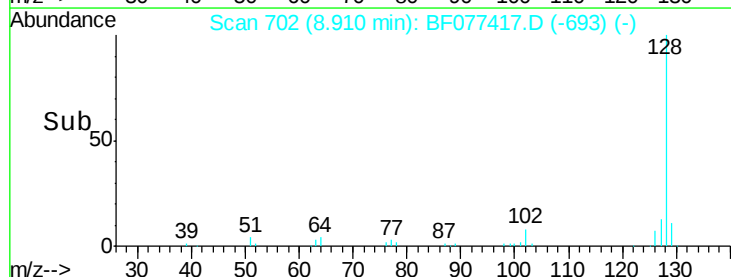
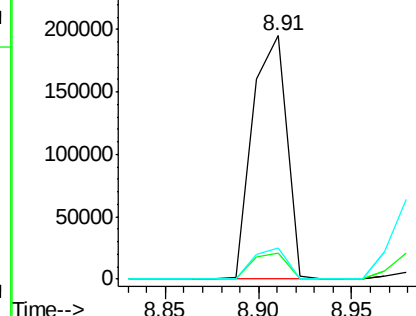


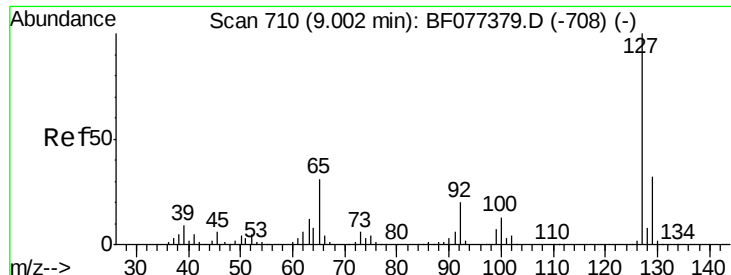
#31
 Naphthalene
 Concen: 24.90 ng
 RT: 8.91 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

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



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





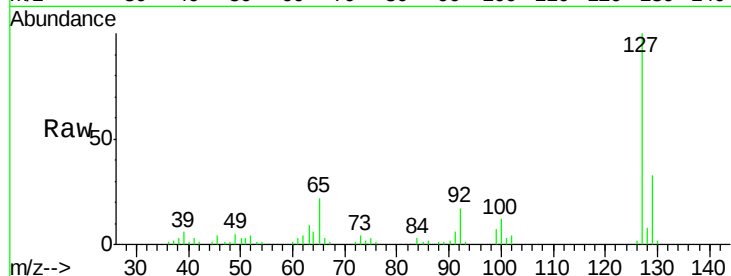
#33
4-Chloroaniline
Concen: 13.88 ng
RT: 8.98 min Scan# 708
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMSD

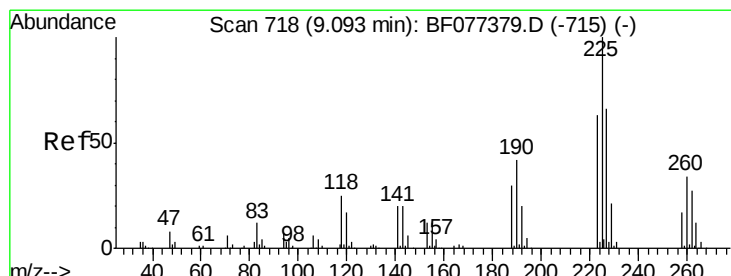
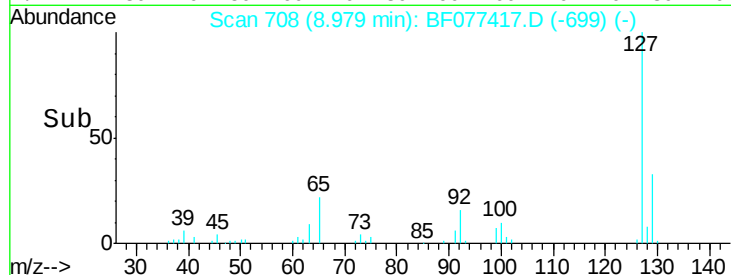
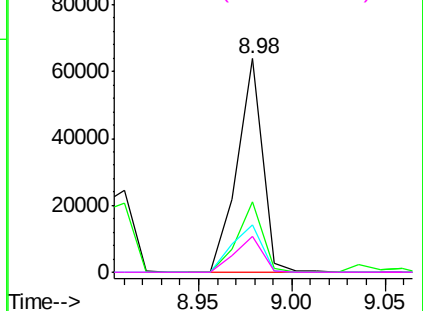
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	61110		
129	33.1	26.9	40.3	
65	22.5	16.7	25.1	
92	16.8	12.5	18.7	

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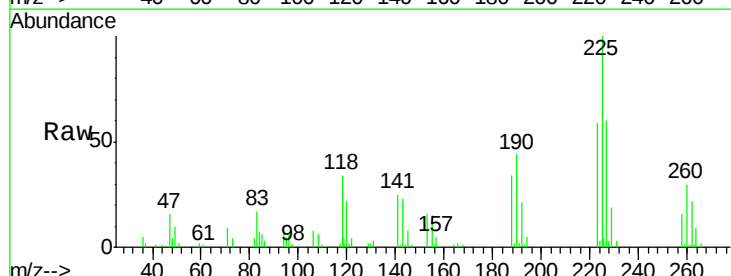


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

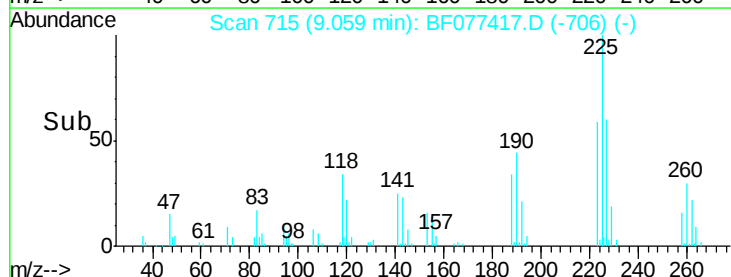
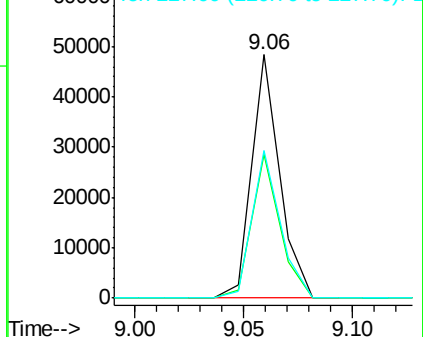


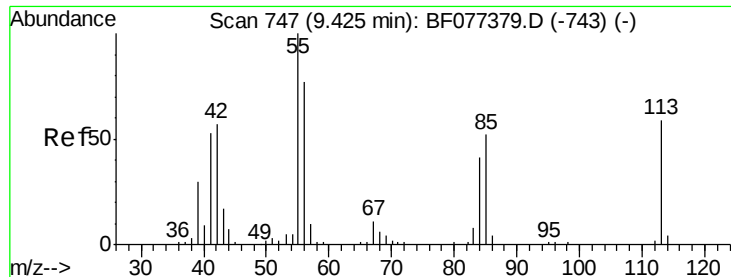
#34
Hexachlorobutadiene
Concen: 23.80 ng
RT: 9.06 min Scan# 715
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

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



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 24.82 ng

RT: 9.38 min Scan# 743

Delta R.T. -0.05 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

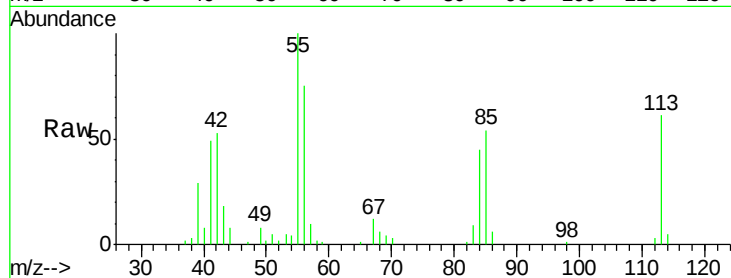
ClientSampleId :

DRILL-CUTTINGMSD

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

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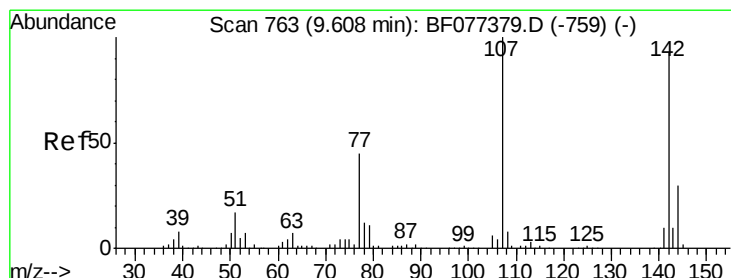
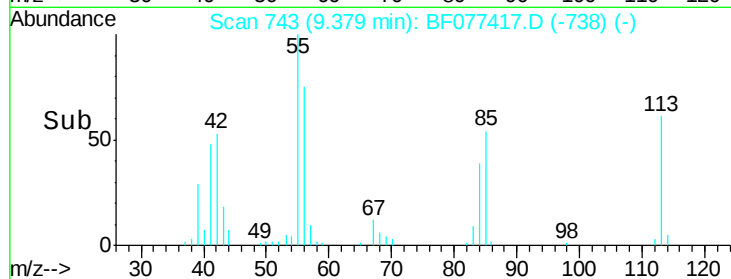
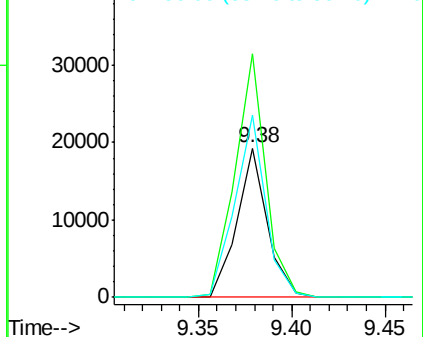
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 23.40 ng

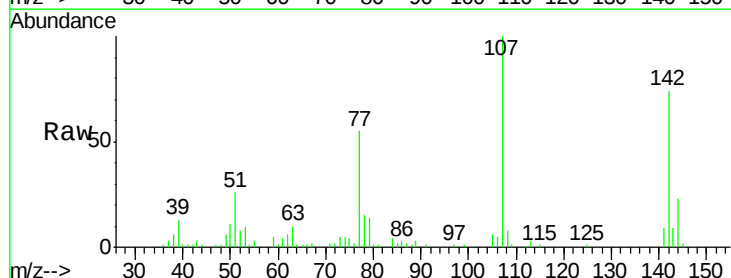
RT: 9.57 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

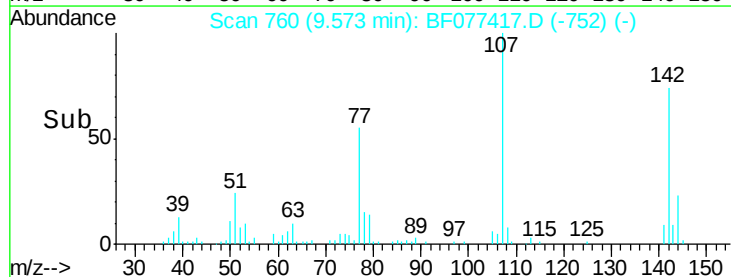
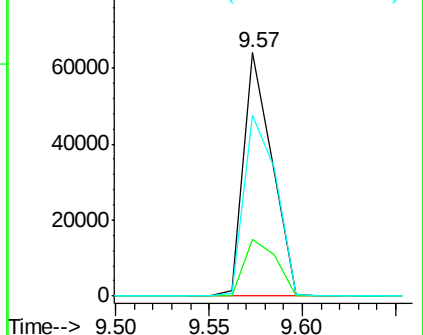
Tgt Ion:	107	Resp:	67836
Ion	Ratio	Lower	Upper
107	100		
144	23.4	21.1	31.7
142	74.2	65.3	97.9

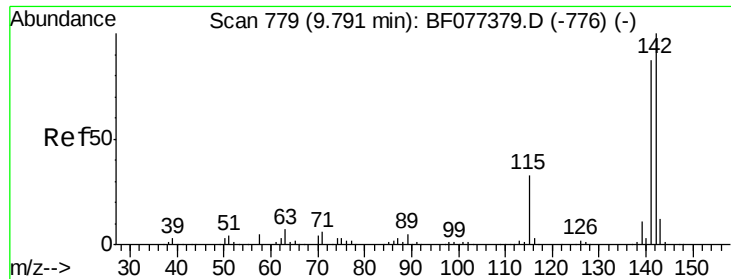


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





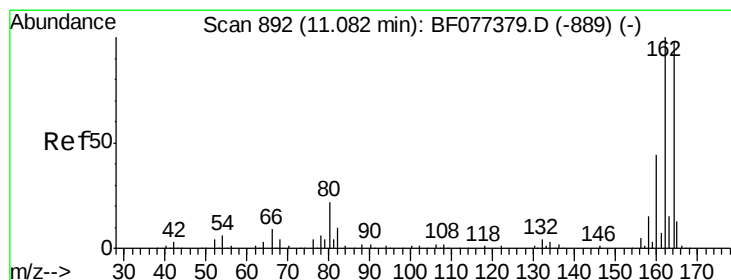
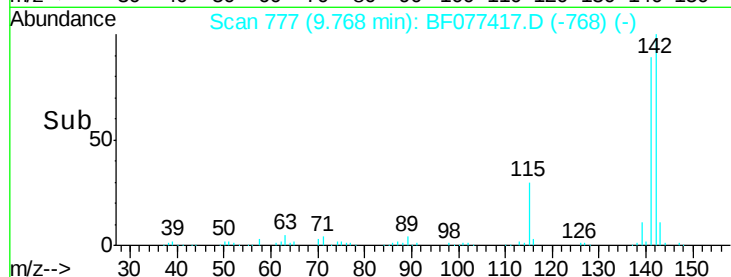
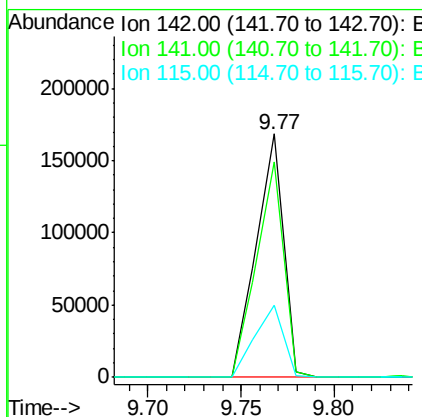
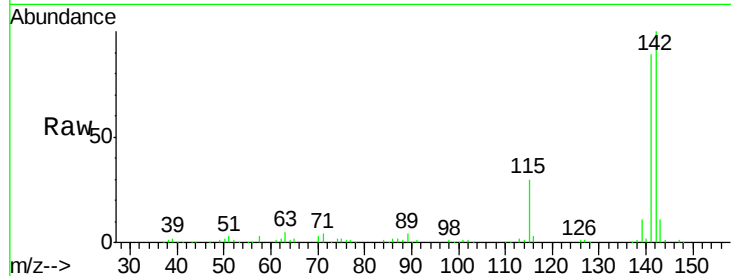
#37
 2-Methylnaphthalene
 Concen: 24.24 ng
 RT: 9.77 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMSD

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

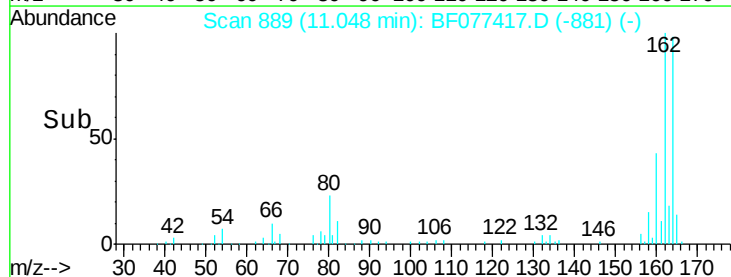
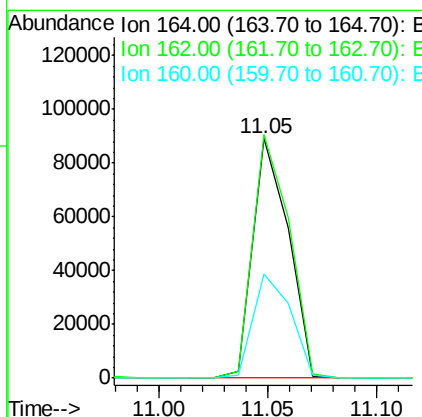
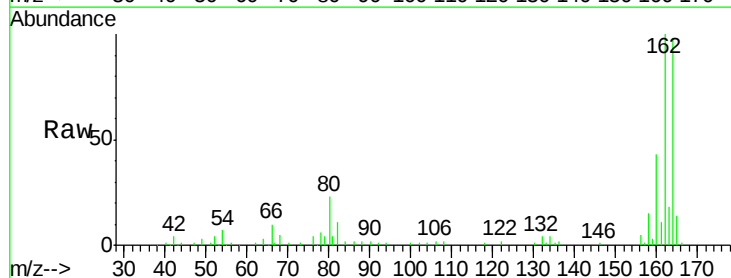
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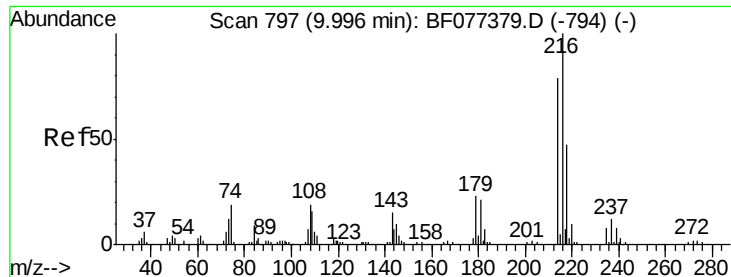
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.05 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 25.47 ng

RT: 9.97 min Scan# 795

Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

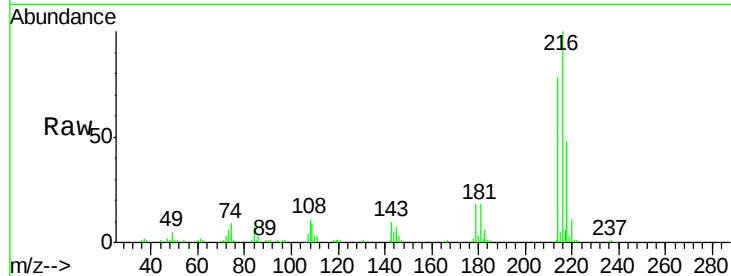
ClientSampleId :

DRILL-CUTTINGSMSD

Tgt Ion:	216	Resp:	74253
Ion Ratio	Lower	Upper	
216	100		
214	79.5	63.4	95.0
179	20.5	16.6	25.0
108	19.4	14.2	21.4

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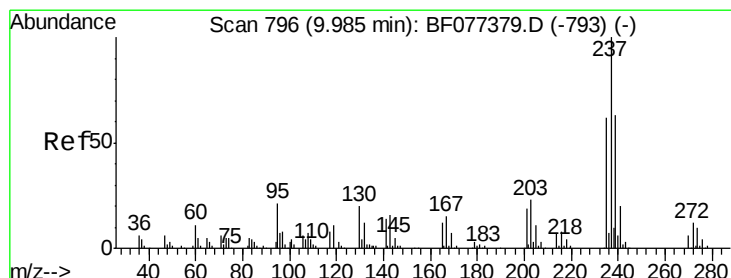
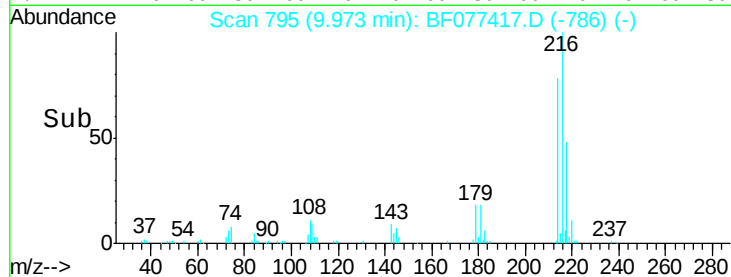
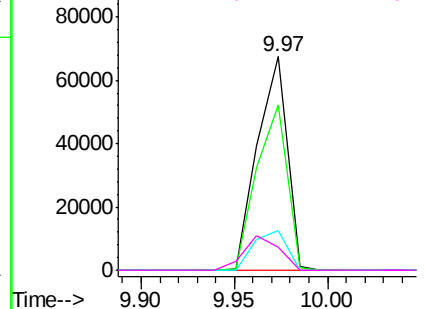


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 40.38 ng

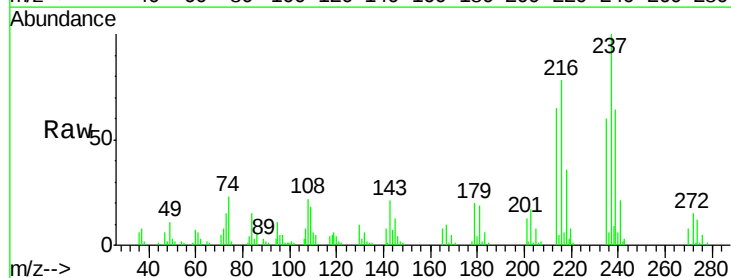
RT: 9.96 min Scan# 794

Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

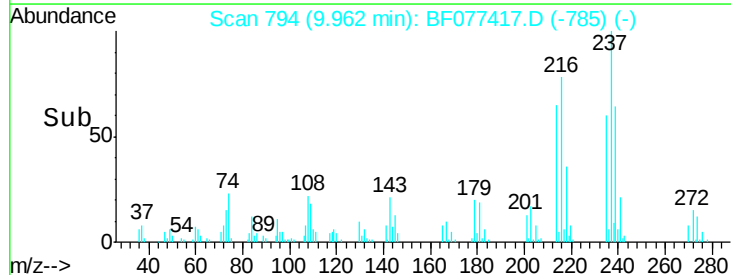
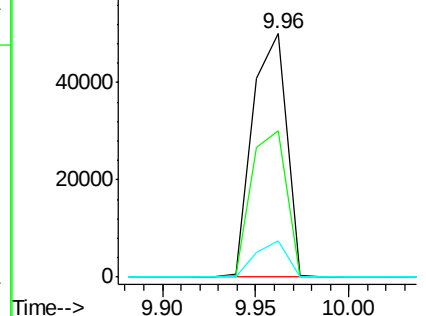
Tgt Ion:	237	Resp:	63118
Ion Ratio	Lower	Upper	
237	100		
235	60.2	41.0	81.0
272	14.9	0.0	34.3

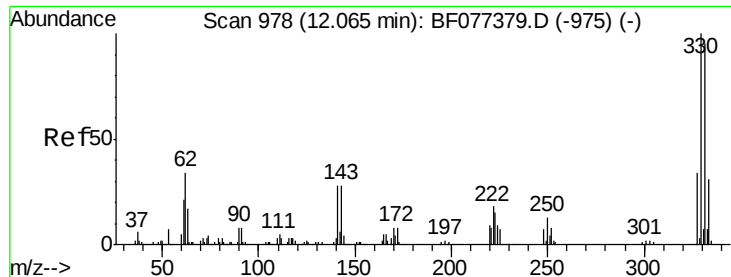


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





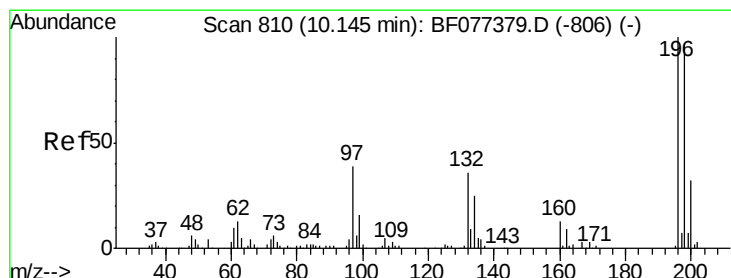
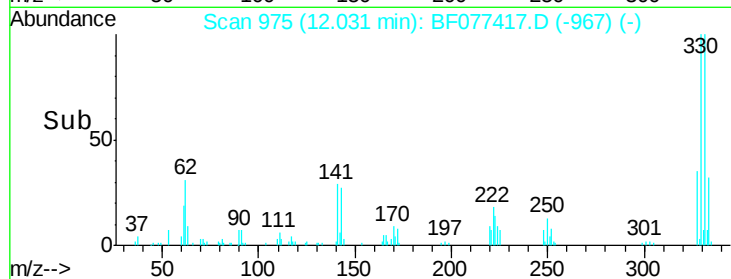
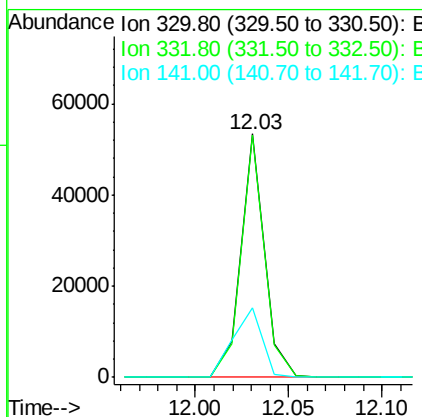
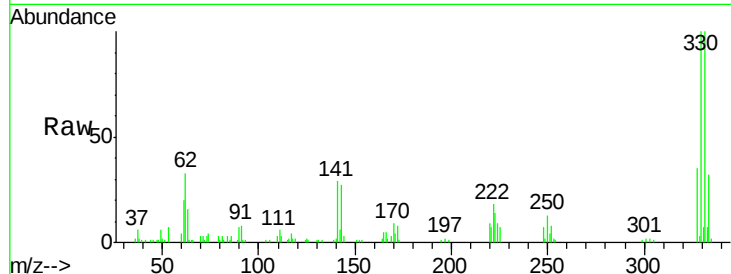
#41
 2,4,6-Tribromophenol
 Concen: 48.37 ng
 RT: 12.03 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD

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

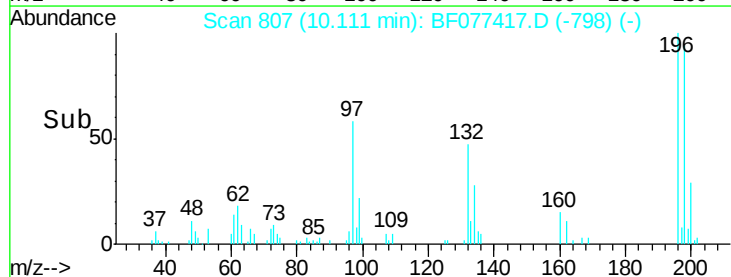
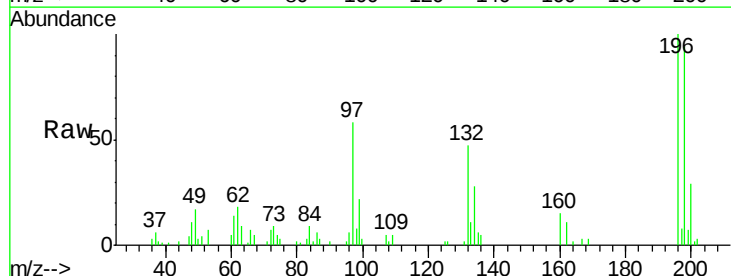
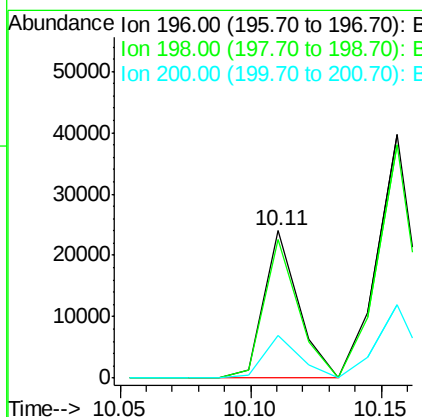
Manual Integrations
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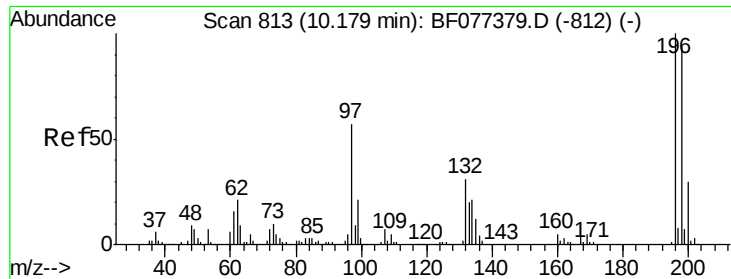
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#42
 2,4,6-Trichlorophenol
 Concen: 11.25 ng
 RT: 10.11 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

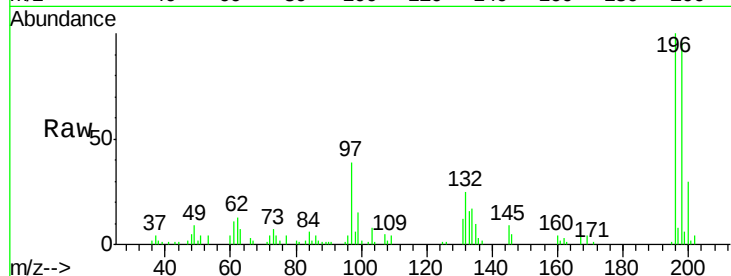
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	21710		
198	94.0	75.8	113.8	
200	28.5	24.2	36.4	





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

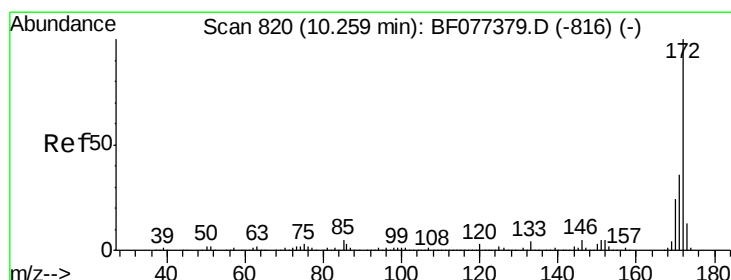
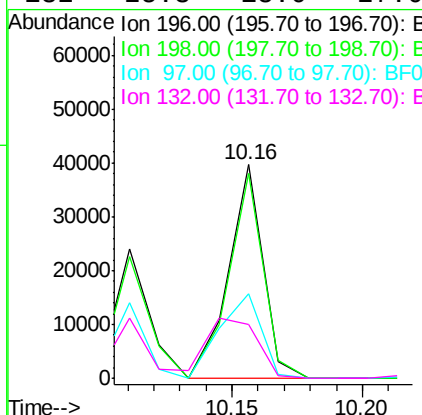
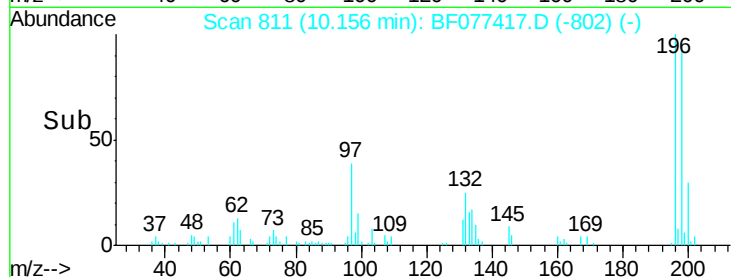
Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD



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

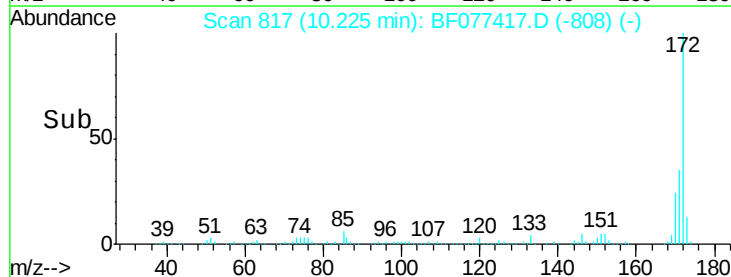
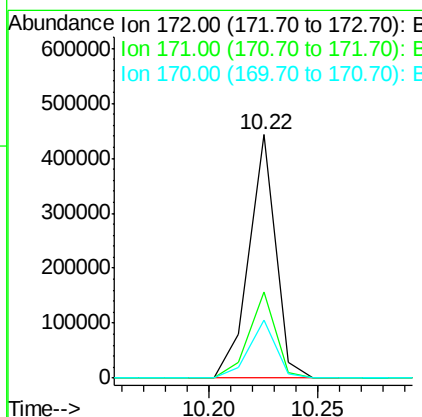
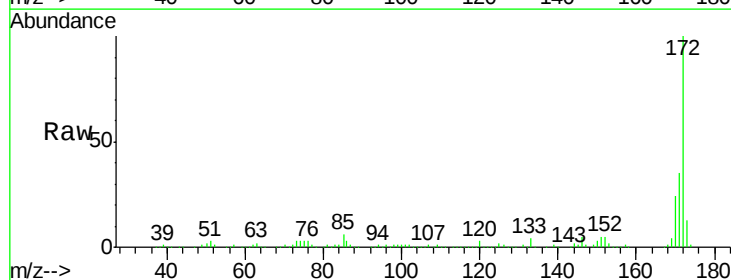
Manual Integrations
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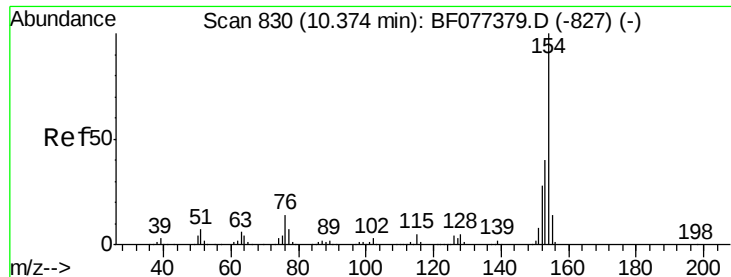
apatel
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#44
 2-Fluorobiphenyl
 Concen: 58.11 ng
 RT: 10.22 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

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





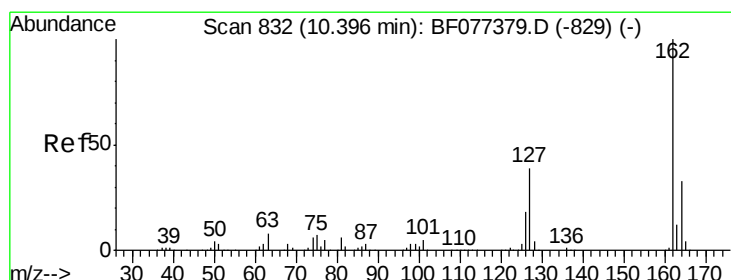
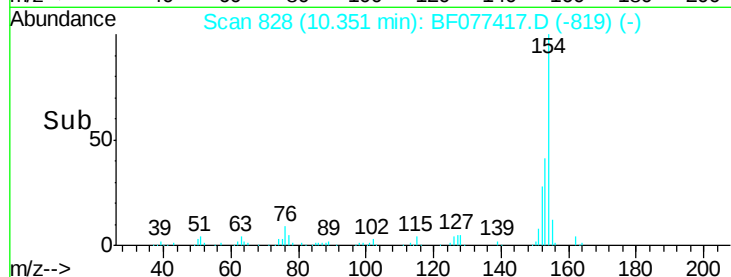
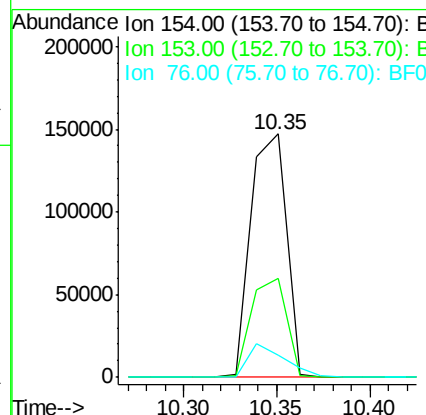
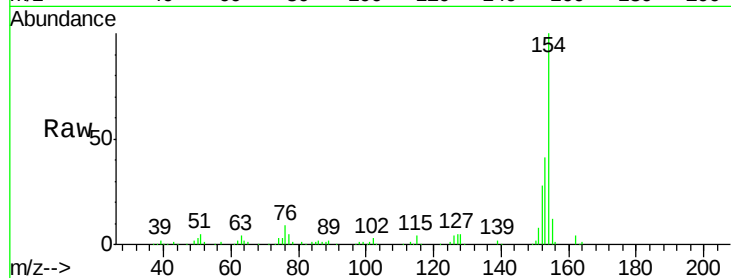
#45
1,1'-Biphenyl
Concen: 25.34 ng
RT: 10.35 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

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

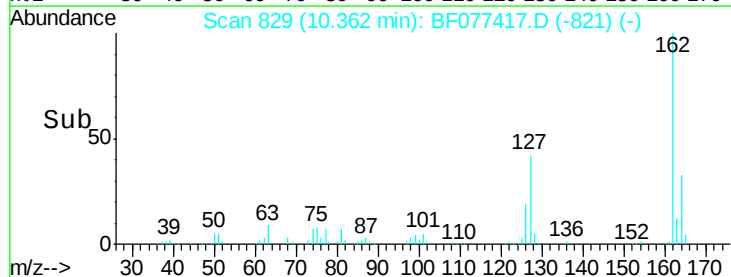
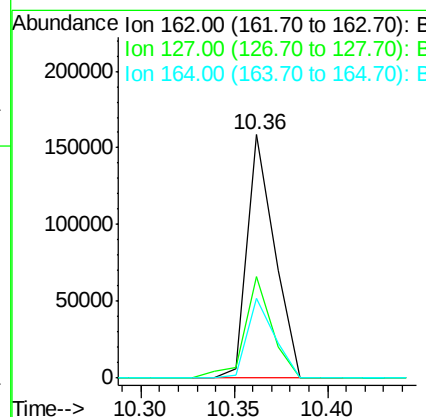
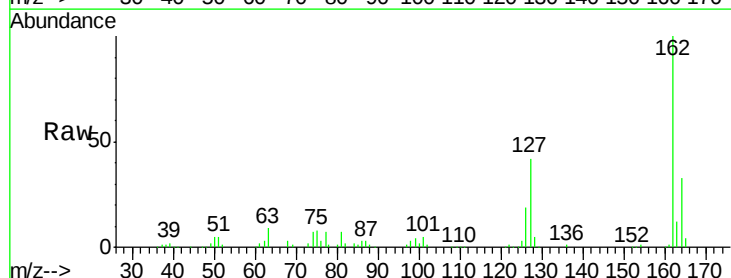
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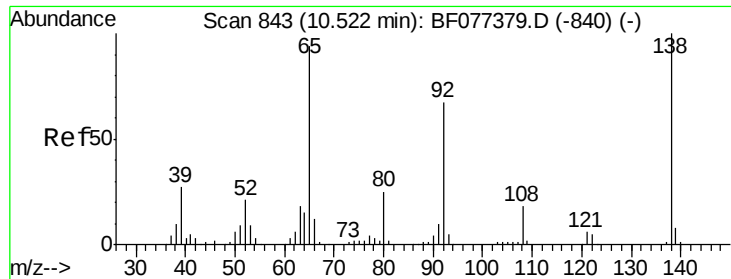
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#46
2-Chloronaphthalene
Concen: 26.69 ng
RT: 10.36 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

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





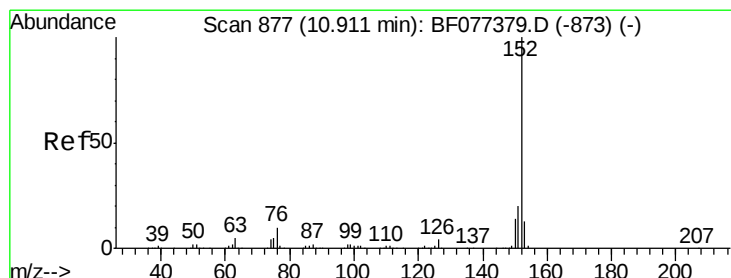
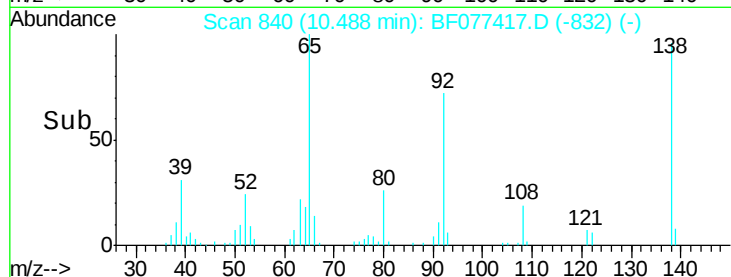
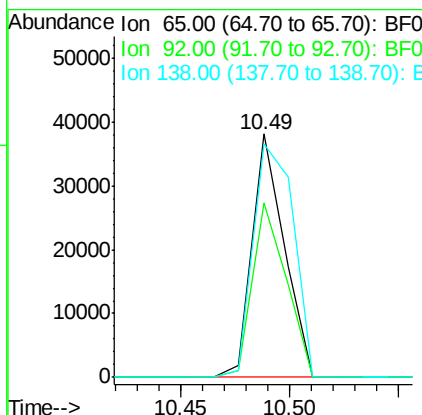
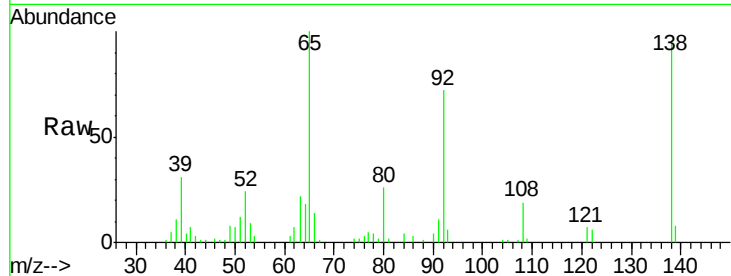
#47
2-Nitroaniline
Concen: 26.43 ng
RT: 10.49 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

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

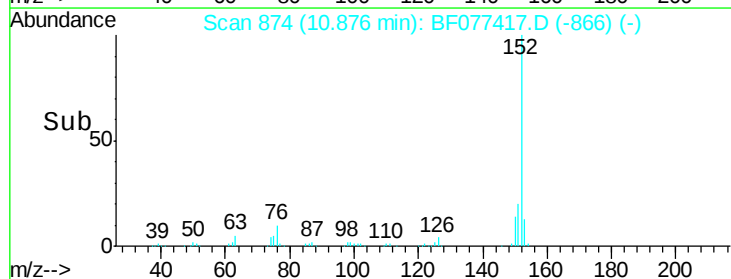
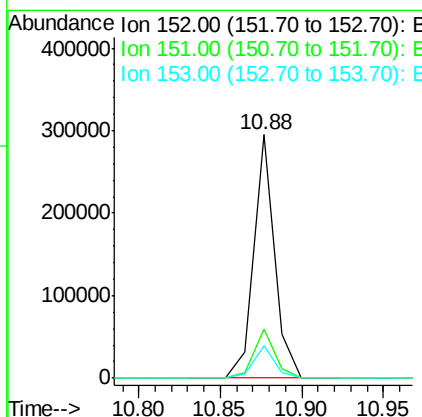
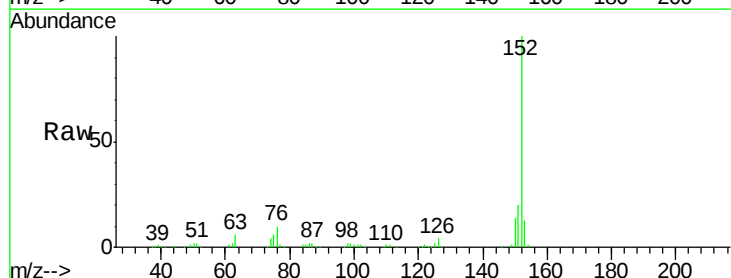
Manual Integrations
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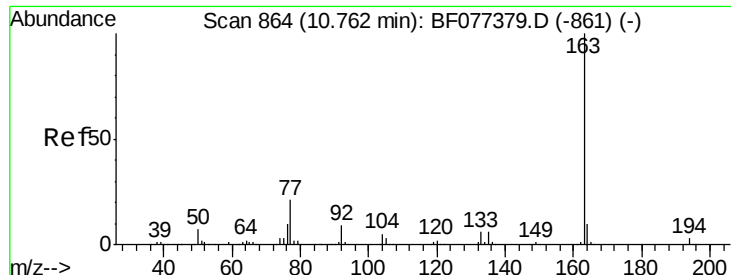
apatel
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#48
Acenaphthylene
Concen: 27.35 ng
RT: 10.88 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

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





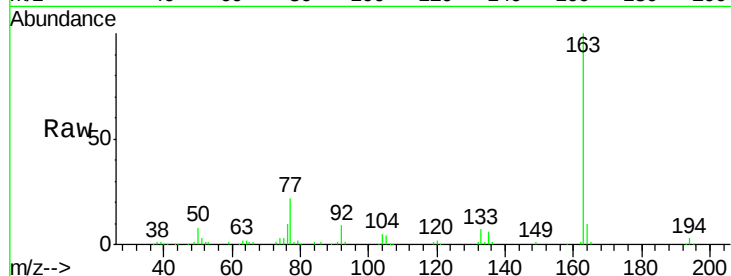
#49
Dimethylphthalate
Concen: 27.89 ng
RT: 10.73 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMSD

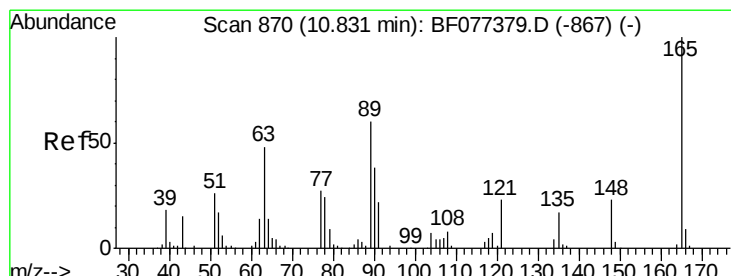
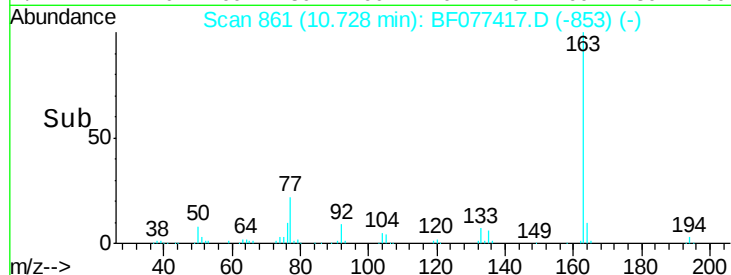
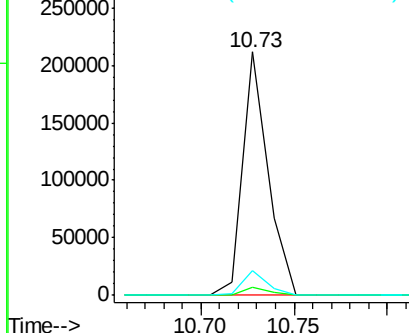
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	199206		
194	3.2	2.6	4.0	
164	10.2	8.6	13.0	

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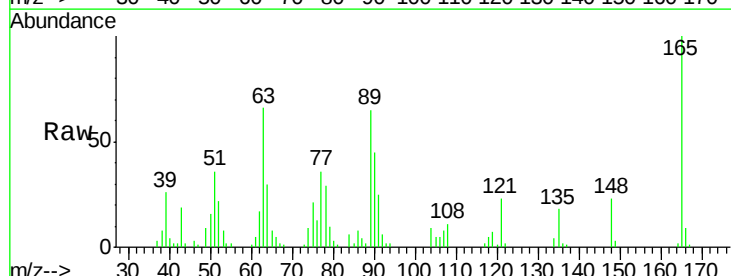


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

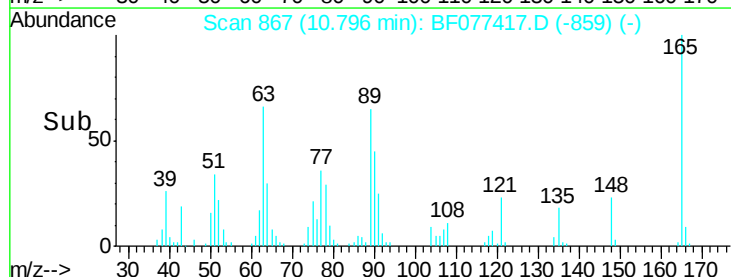
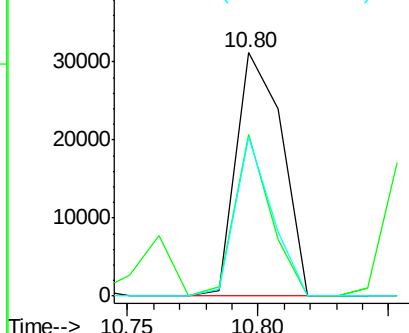


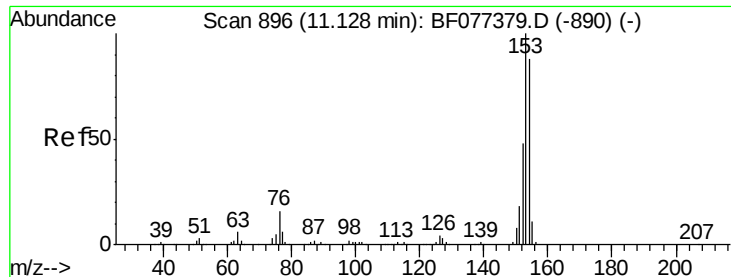
#50
2,6-Dinitrotoluene
Concen: 26.82 ng
RT: 10.80 min Scan# 867
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	38419		
63	66.2	25.2	37.8#	
89	65.4	30.5	45.7#	



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





#51

Acenaphthene

Concen: 26.18 ng

RT: 11.09 min Scan# 893

Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

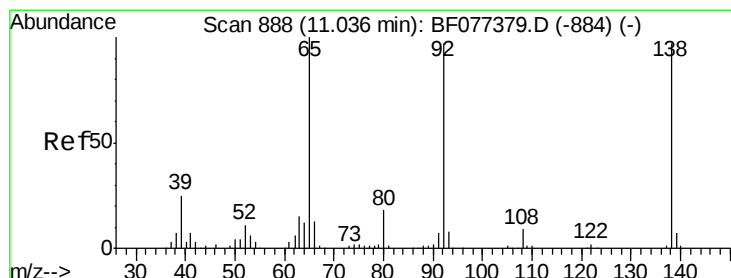
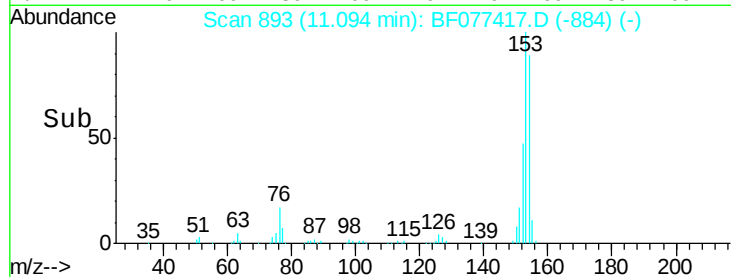
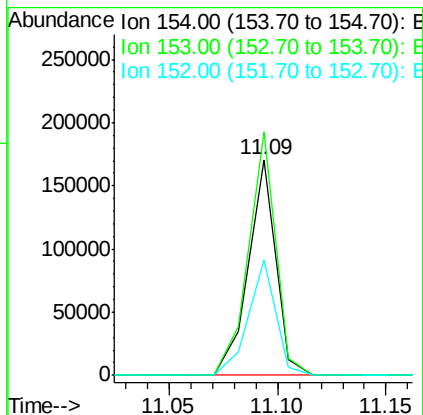
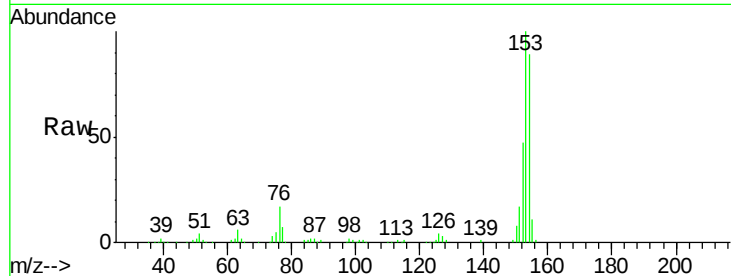
ClientSampleId :

DRILL-CUTTINGMSD

Tgt Ion:	154	Resp:	149289
Ion Ratio	Lower	Upper	
154	100		
153	113.0	90.5	135.7
152	53.6	43.5	65.3

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#52

3-Nitroaniline

Concen: 24.87 ng

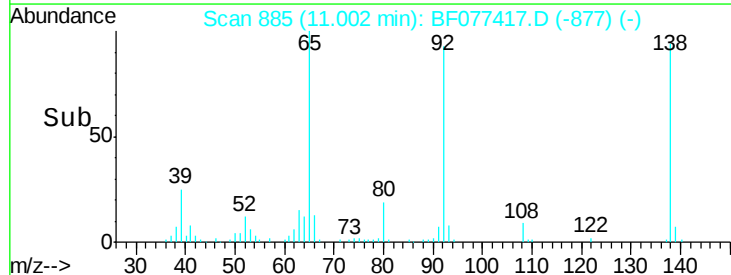
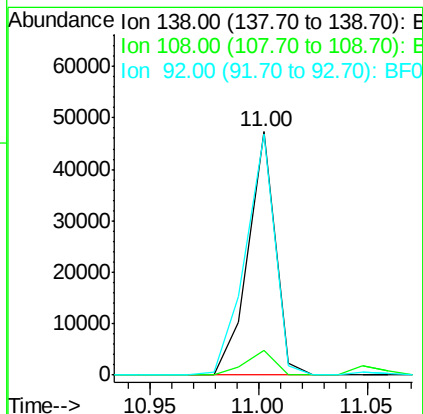
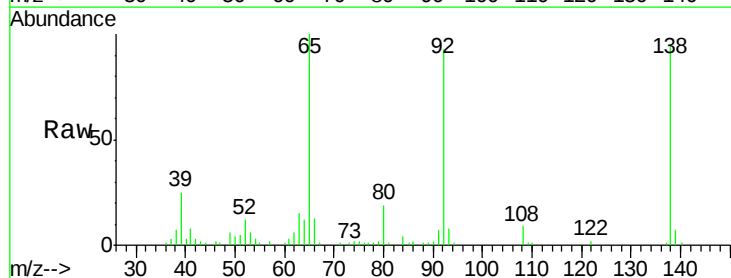
RT: 11.00 min Scan# 885

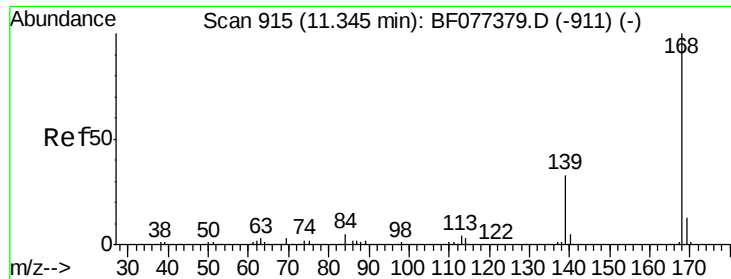
Delta R.T. -0.01 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Tgt Ion:	138	Resp:	41073
Ion Ratio	Lower	Upper	
138	100		
108	10.1	7.8	11.8
92	99.3	90.6	135.8





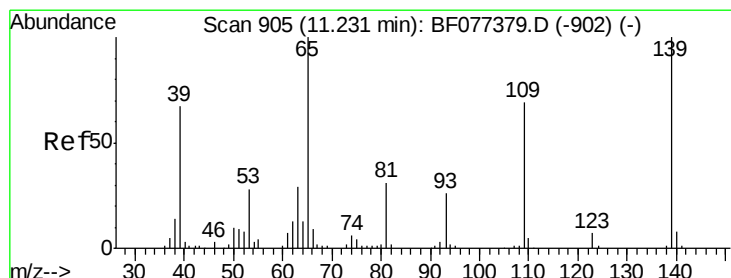
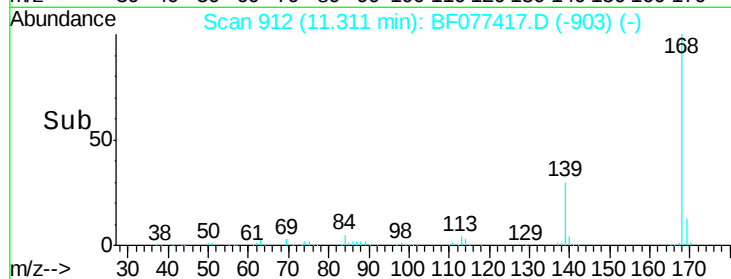
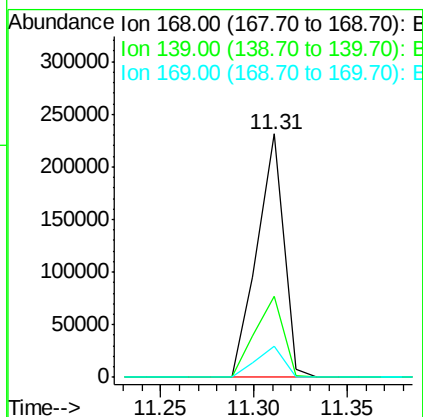
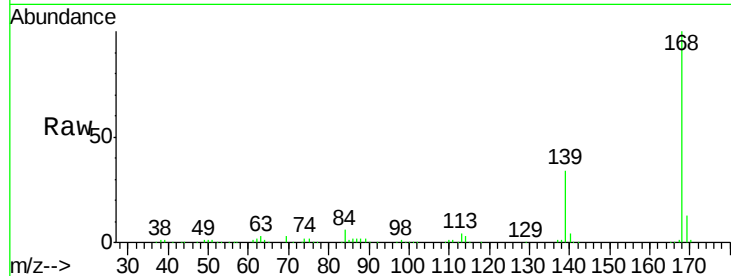
#54
Dibenzofuran
Concen: 26.10 ng
RT: 11.31 min Scan# 912
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMSD

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

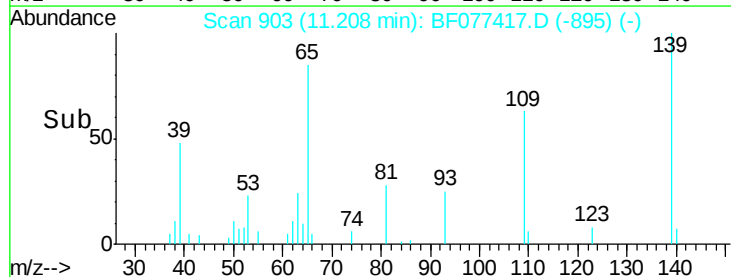
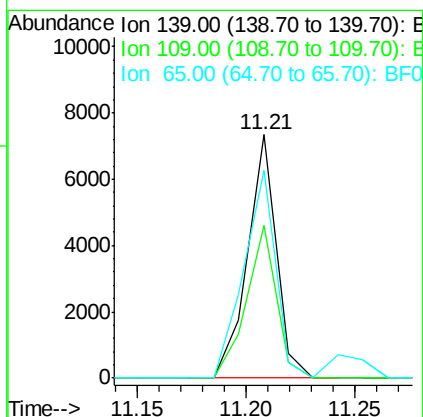
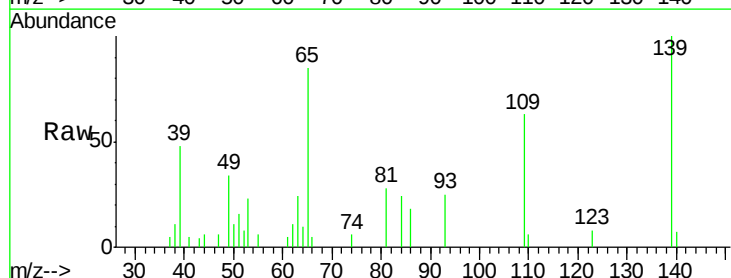
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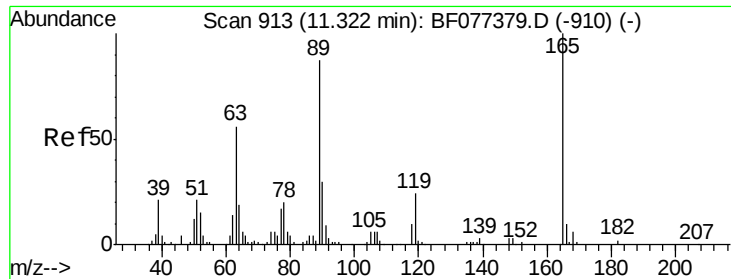
apatel
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#55
4-Nitrophenol
Concen: 5.09 ng
RT: 11.21 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

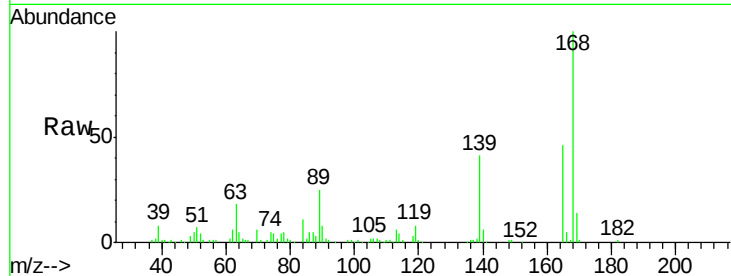
Tgt Ion	Ratio	Resp Lower	Upper
139	100		
109	62.9	36.2	76.2
65	85.5	40.3	80.3#





#56
2,4-Dinitrotoluene
Concen: 26.00 ng
RT: 11.30 min Scan# 911
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

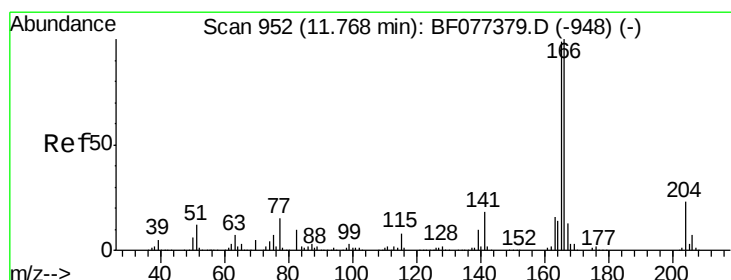
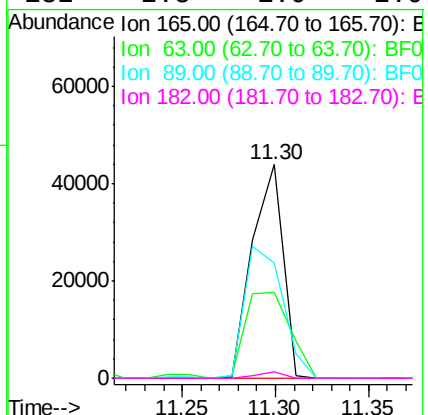
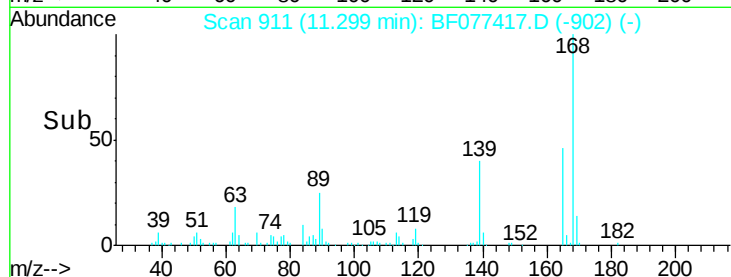
Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD



Tgt Ion	Ratio	Lower	Upper
165	100		
63	40.0	29.8	44.8
89	54.2	48.5	72.7
182	2.8	1.9	2.9

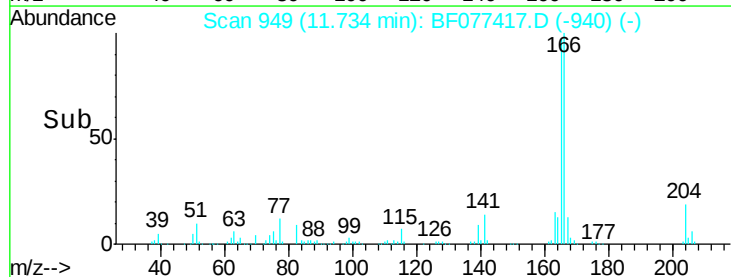
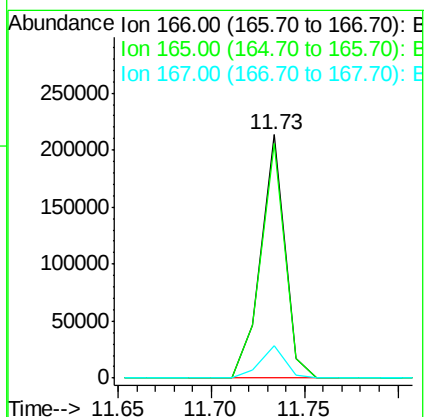
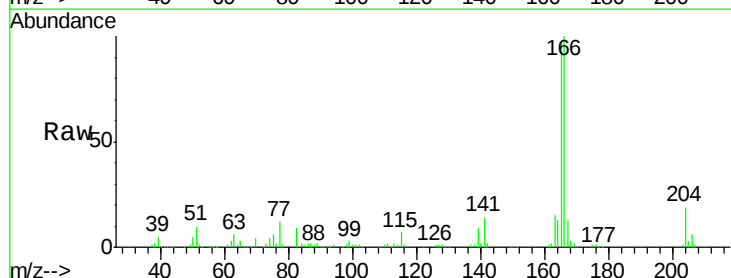
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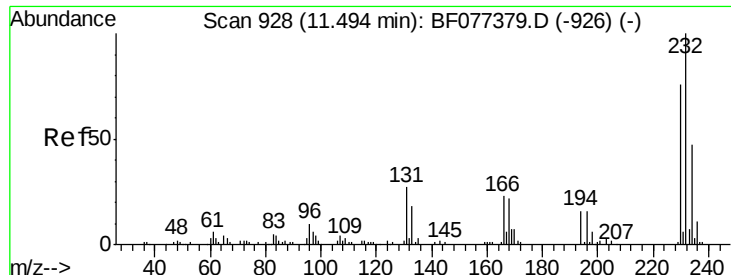
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#57
Fluorene
Concen: 27.05 ng
RT: 11.73 min Scan# 949
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.6	116.4
167	13.1	10.6	16.0





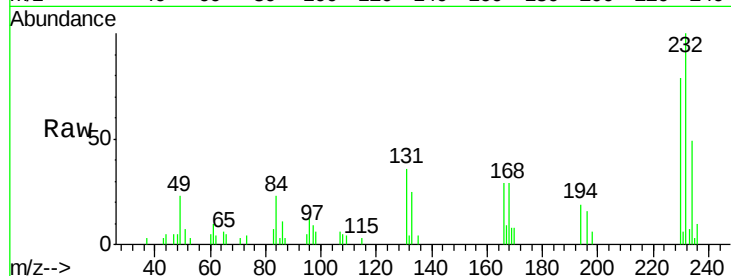
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 6.53 ng
 RT: 11.46 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD

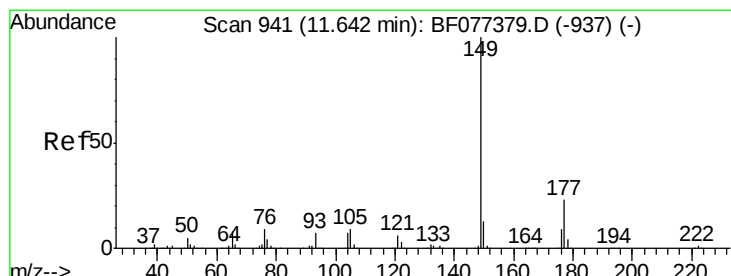
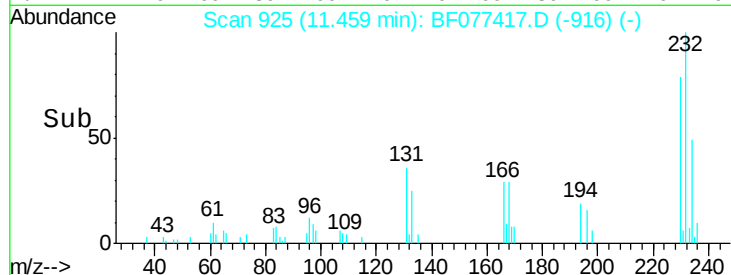
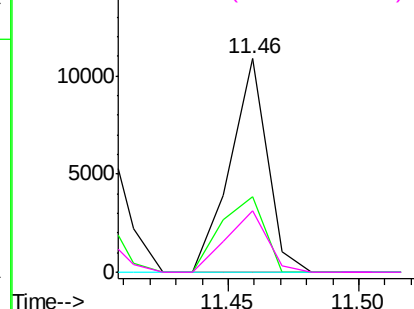
Tgt Ion	Ratio	Lower	Upper
232	100		
131	41.4	34.2	51.2
130	0.0	1.8	2.6
166	32.0	24.3	36.5

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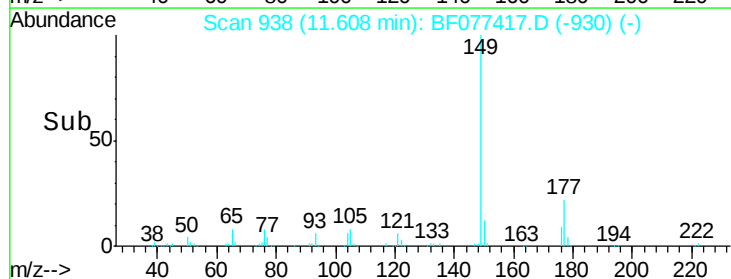
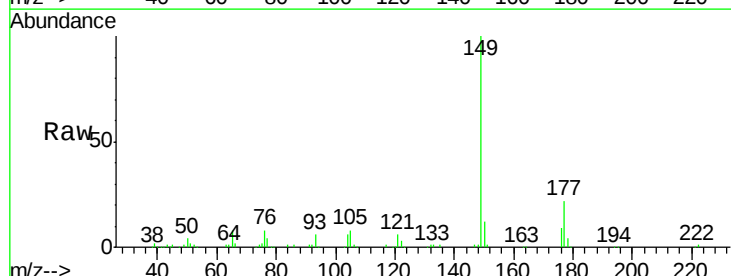
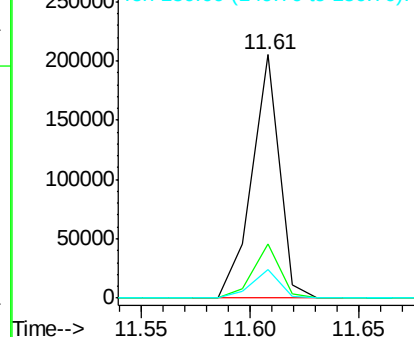
Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

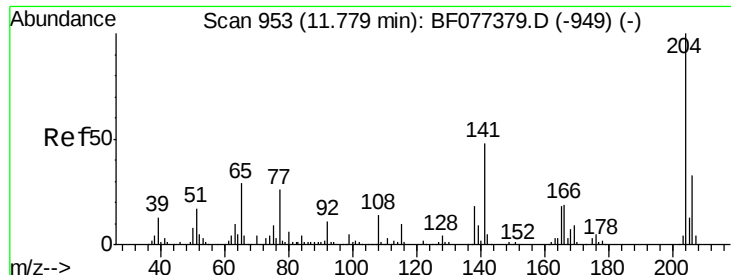


#59
 Diethylphthalate
 Concen: 25.57 ng
 RT: 11.61 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

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

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





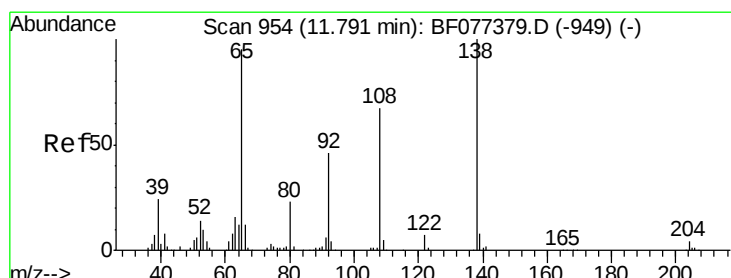
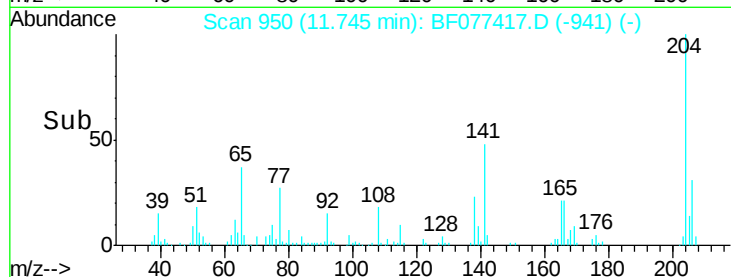
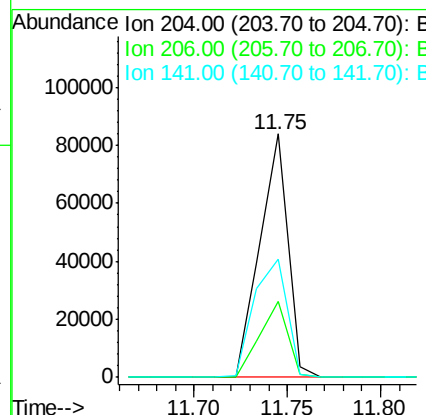
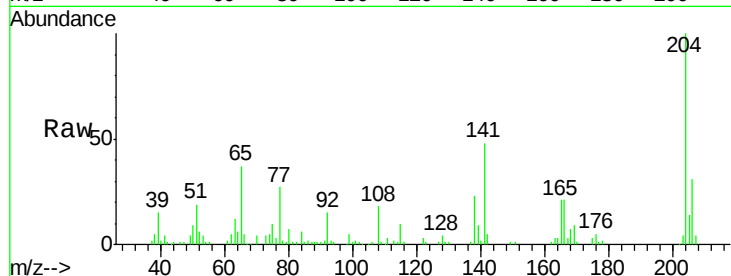
#60
4-Chlorophenyl-phenylether
Concen: 25.74 ng
RT: 11.75 min Scan# 950
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMSD

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

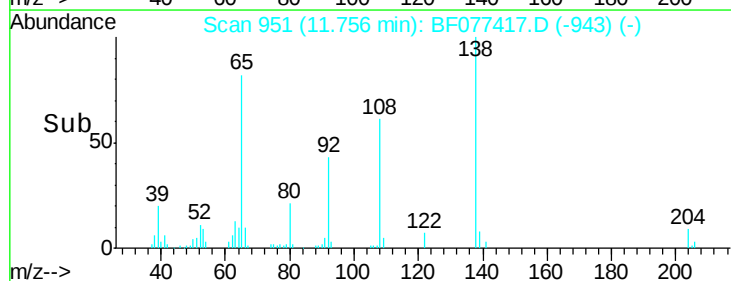
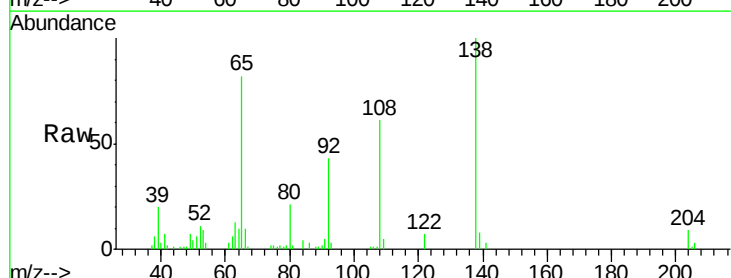
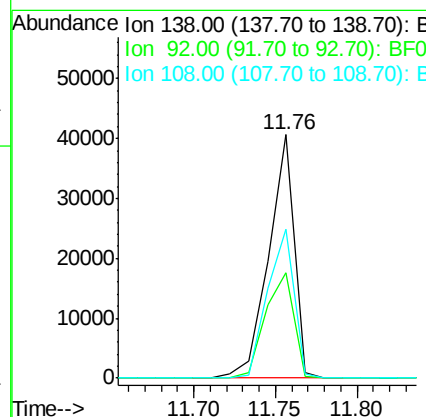
Manual Integrations
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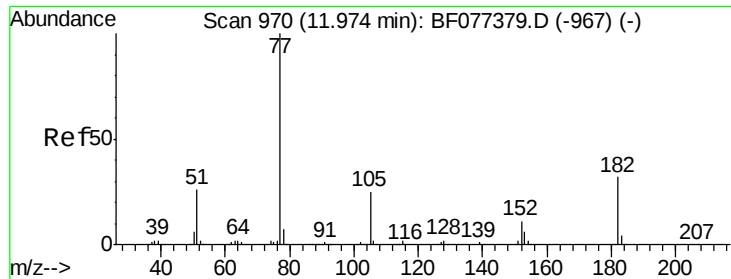
apatel
2/25/2015 3:33:26 PM



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

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





#62

Azobenzene

Concen: 27.41 ng

RT: 11.94 min Scan# 967

Delta R.T. -0.00 min

Lab File: BF077417.D

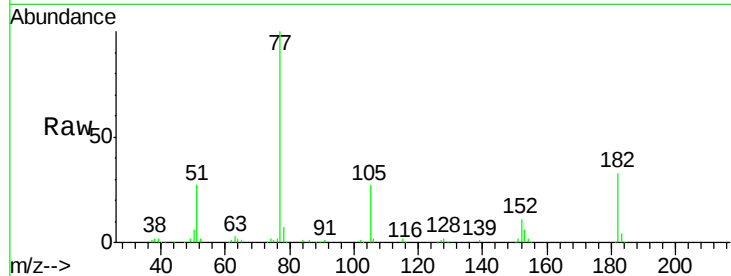
Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

ClientSampleId :

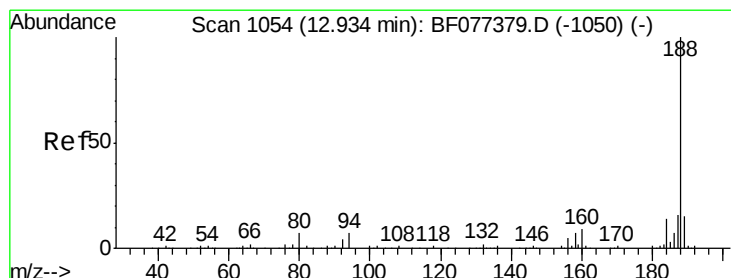
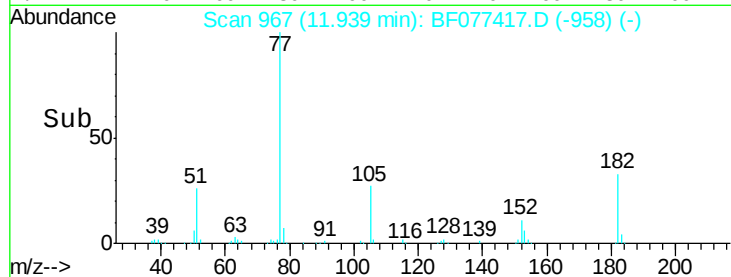
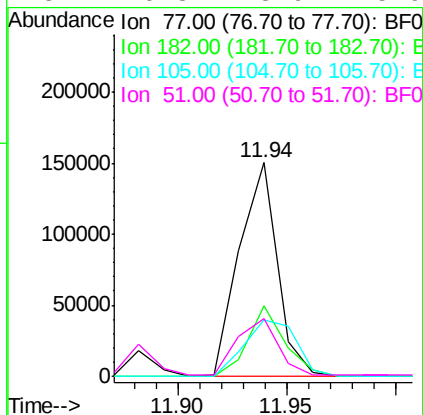
DRILL-CUTTINGSMSD



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

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

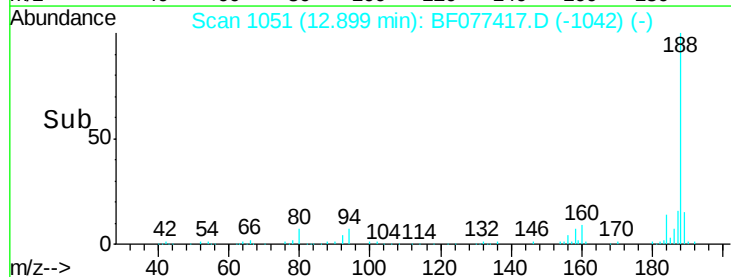
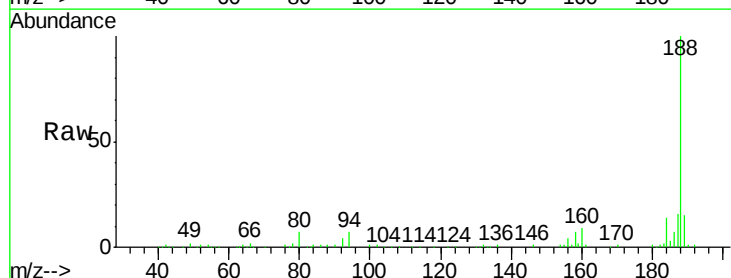
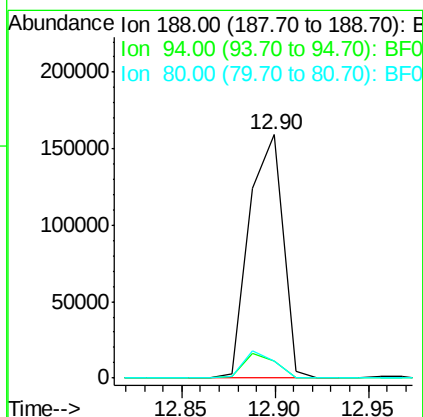
RT: 12.90 min Scan# 1051

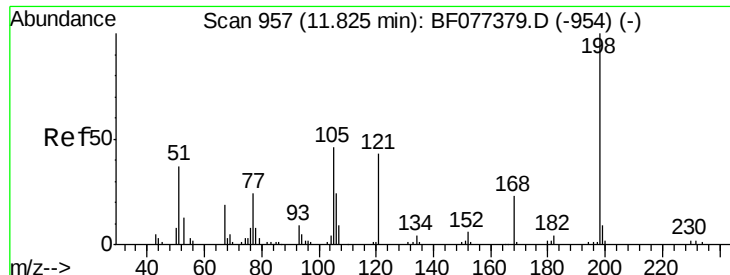
Delta R.T. -0.00 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

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





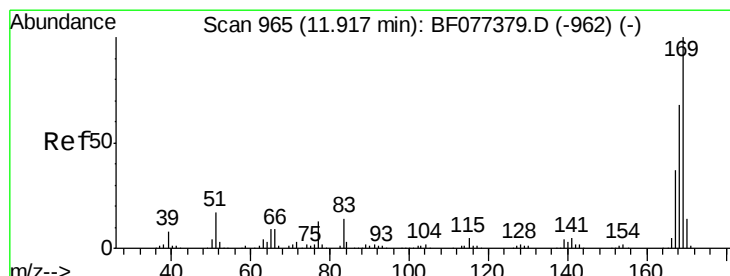
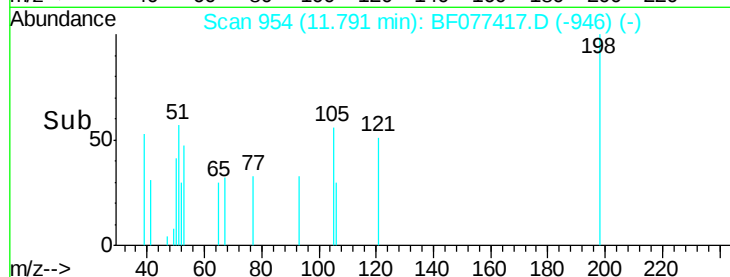
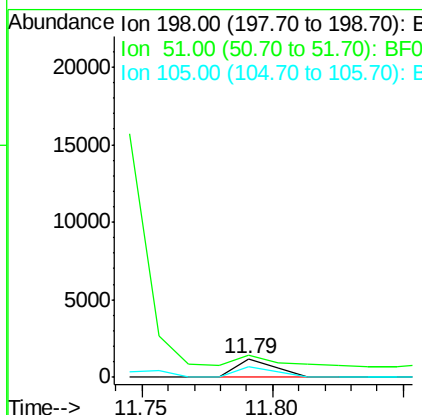
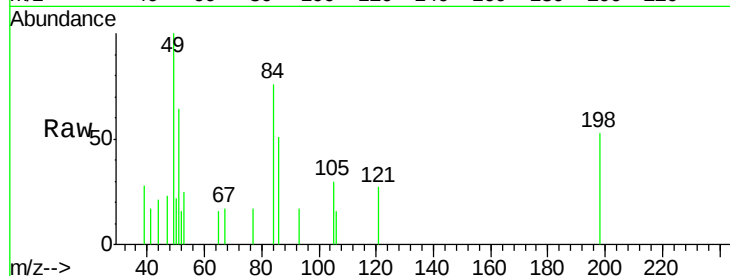
#64
4,6-Dinitro-2-methylphenol
Concen: 5.16 ng
RT: 11.79 min Scan# 954
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

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

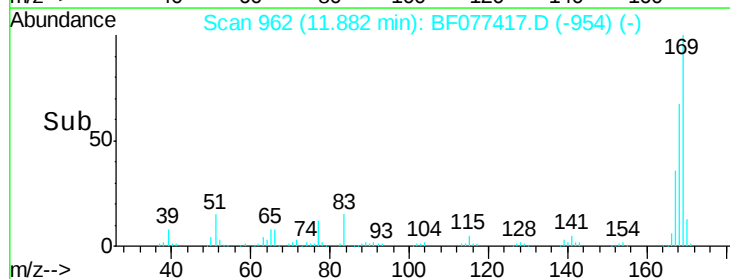
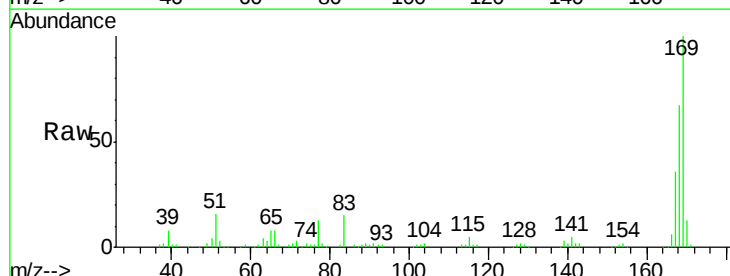
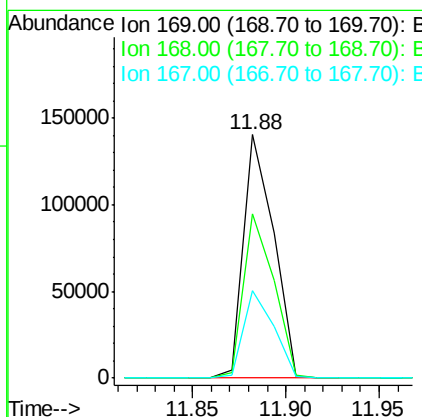
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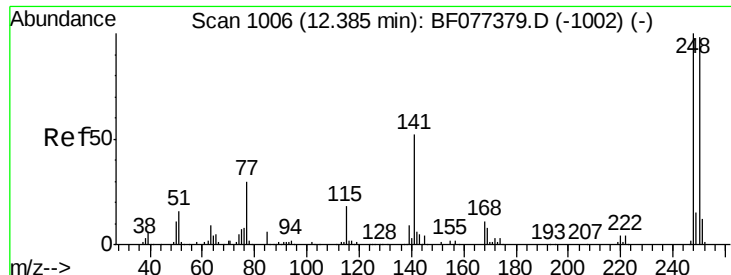
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#65
n-Nitrosodiphenylamine
Concen: 23.76 ng
RT: 11.88 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

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





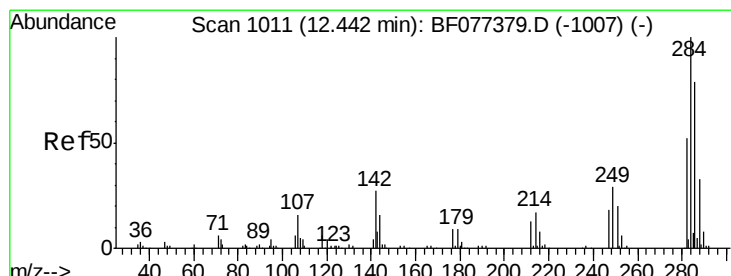
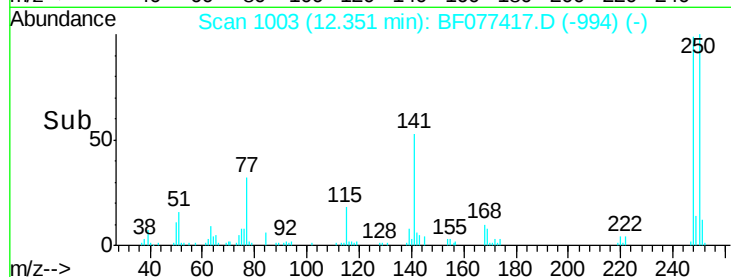
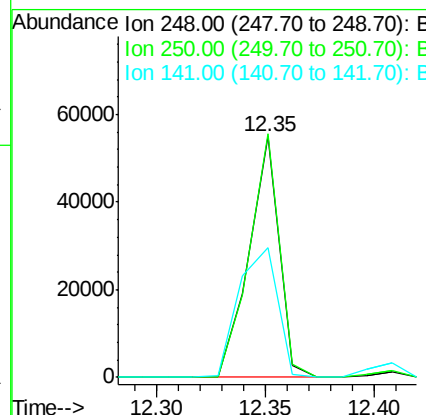
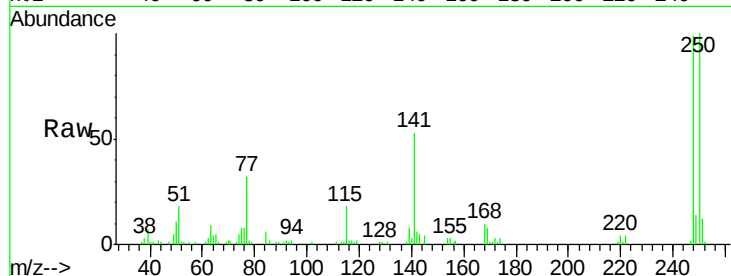
#66
 4-Bromophenyl-phenylether
 Concen: 22.51 ng
 RT: 12.35 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD

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

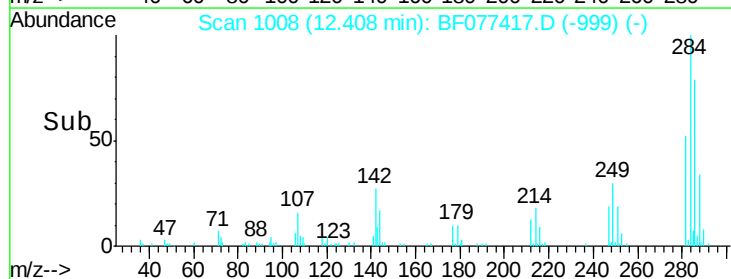
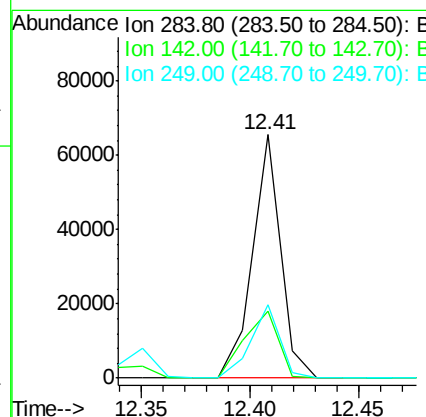
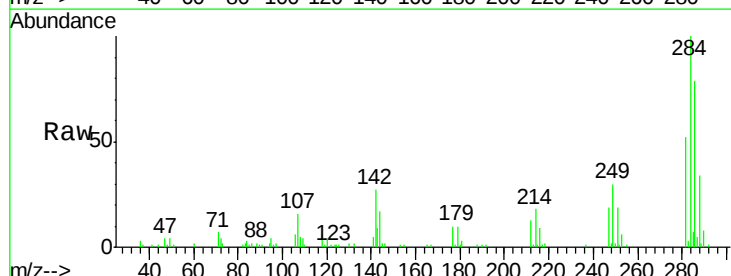
Manual Integrations
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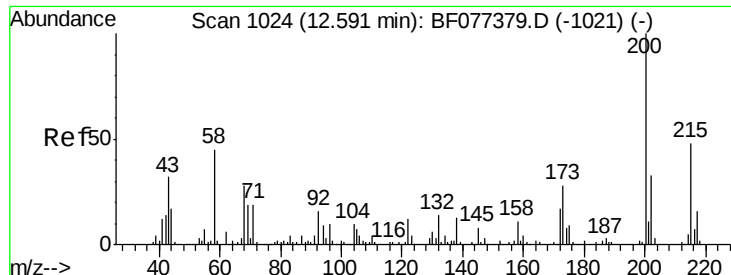
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#67
 Hexachlorobenzene
 Concen: 23.36 ng
 RT: 12.41 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

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





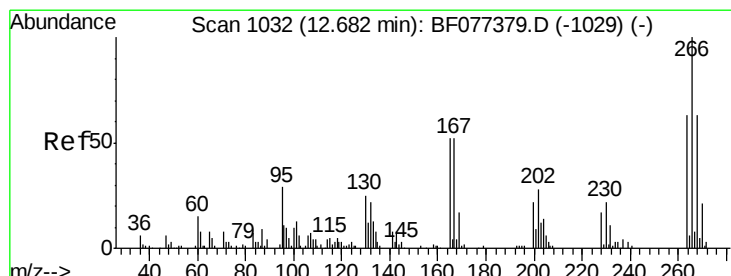
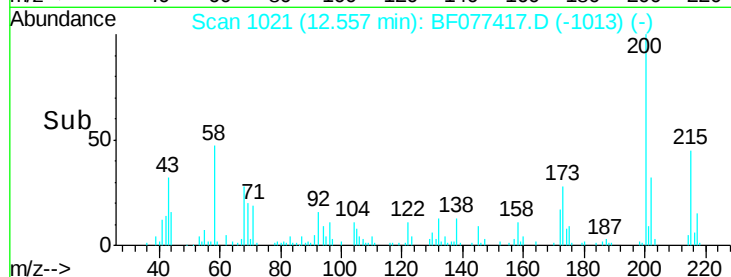
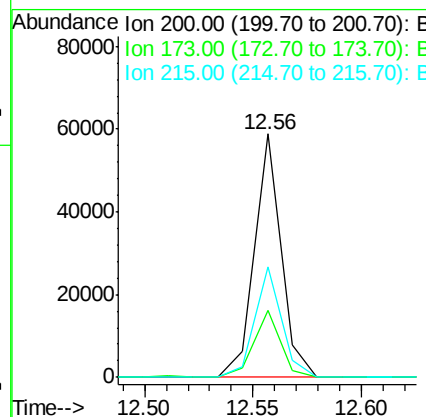
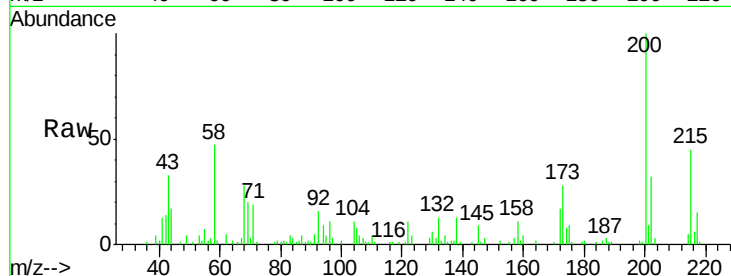
#68
Atrazine
Concen: 23.22 ng
RT: 12.56 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

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

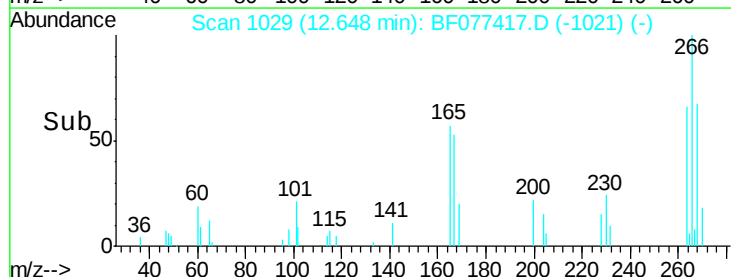
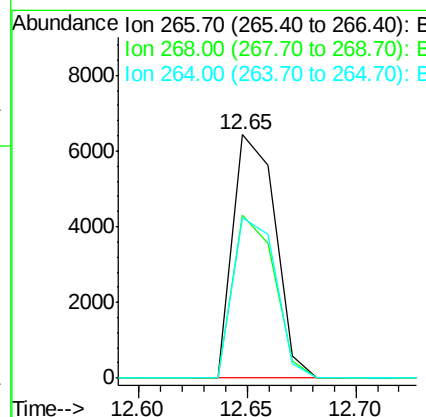
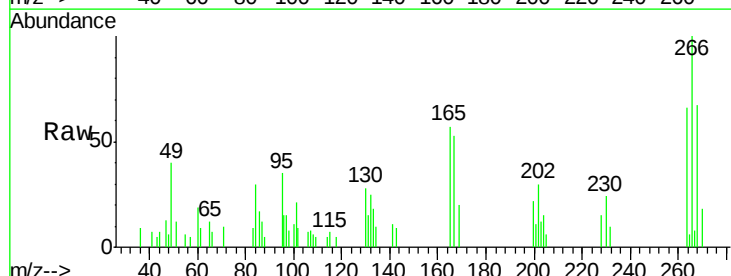
Manual Integrations
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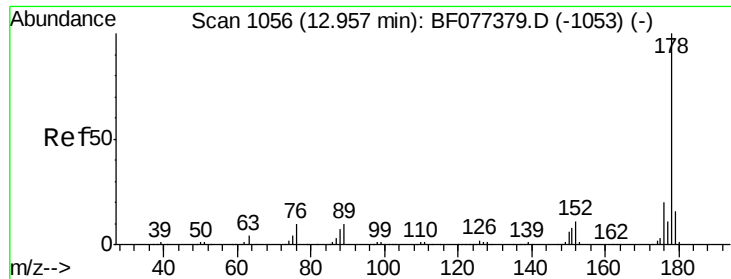
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#69
Pentachlorophenol
Concen: 6.57 ng
RT: 12.65 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

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





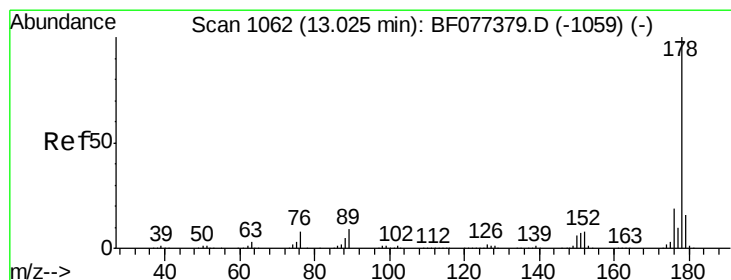
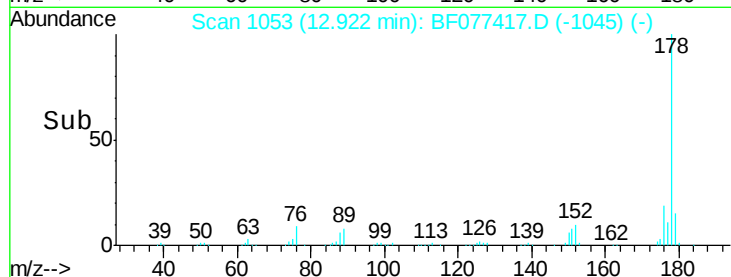
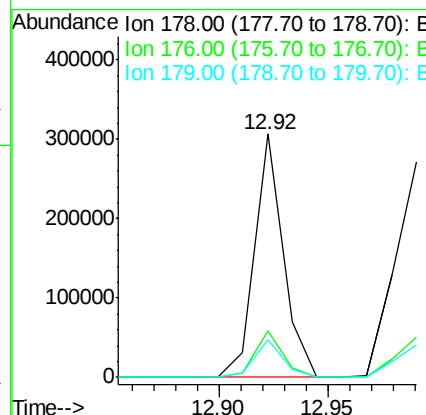
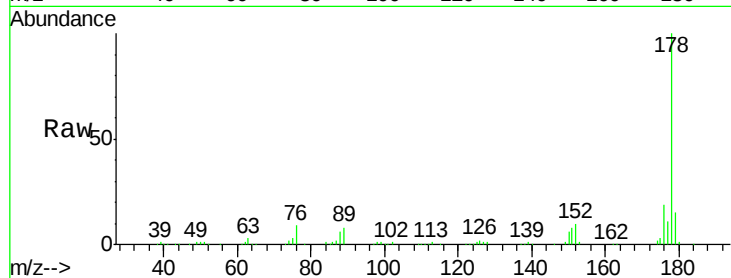
#70
Phenanthrene
Concen: 24.17 ng
RT: 12.92 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.4	12.2	18.2

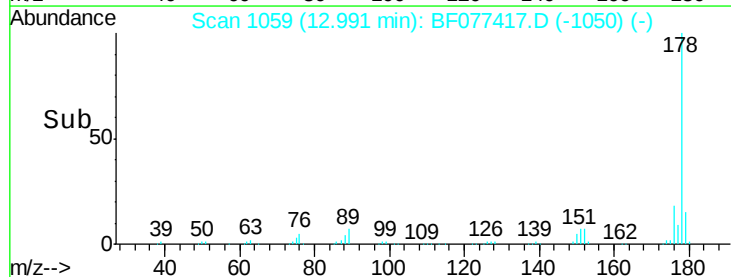
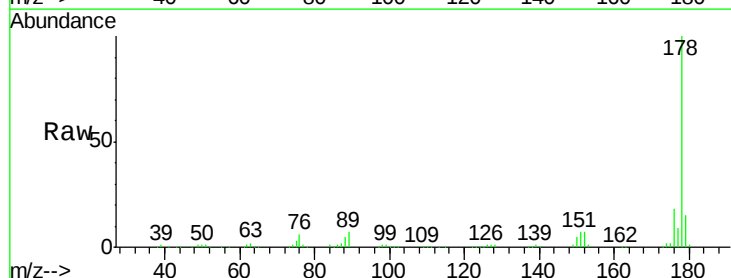
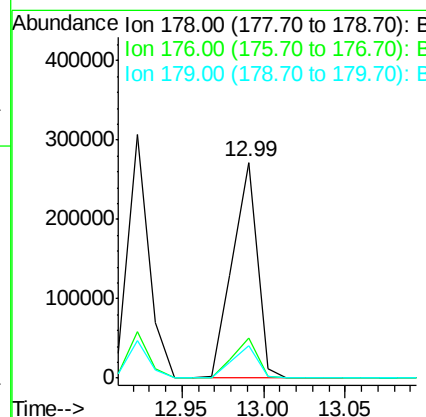
Manual Integrations
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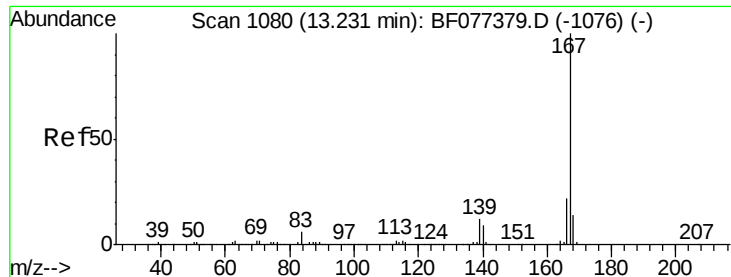
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#71
Anthracene
Concen: 24.83 ng
RT: 12.99 min Scan# 1059
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	15.1	12.9	19.3





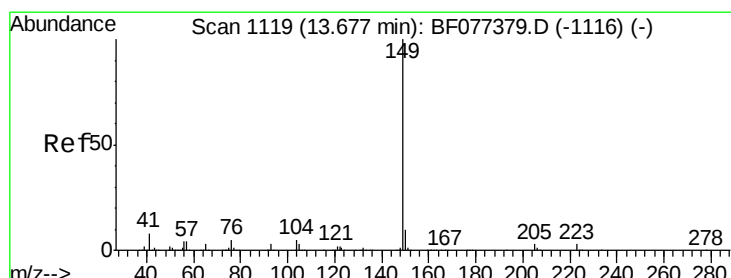
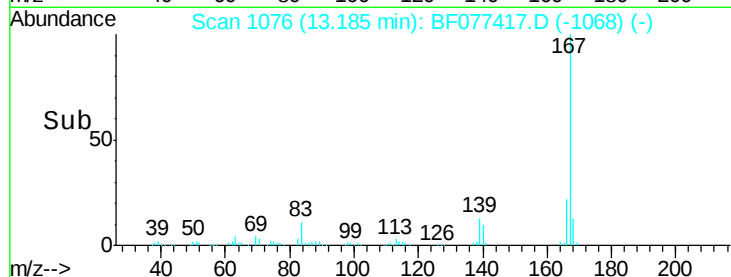
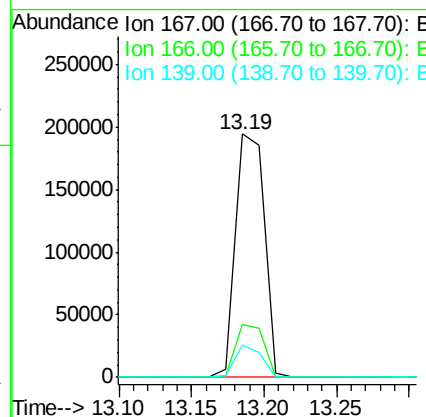
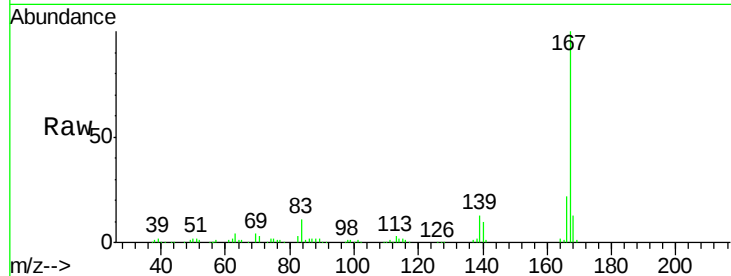
#72
 Carbazole
 Concen: 24.57 ng
 RT: 13.19 min Scan# 1076
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGSMSD

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

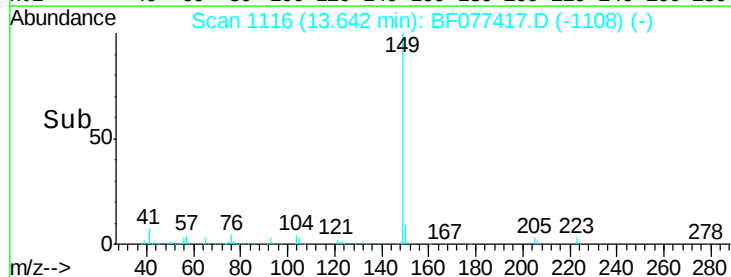
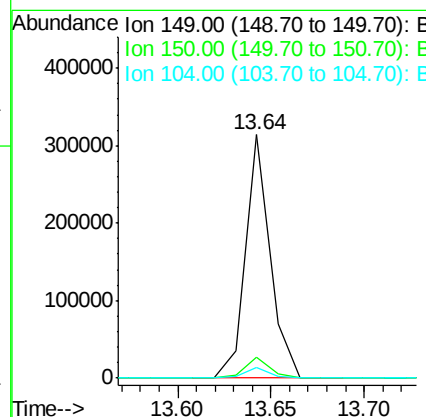
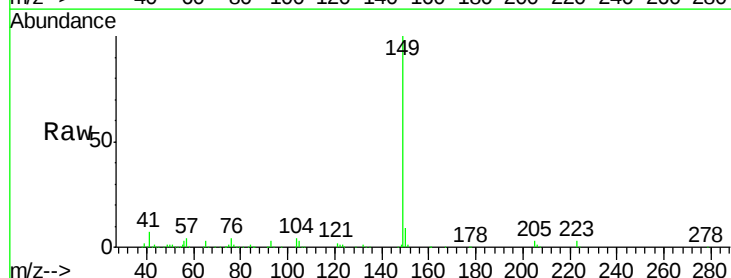
Manual Integrations
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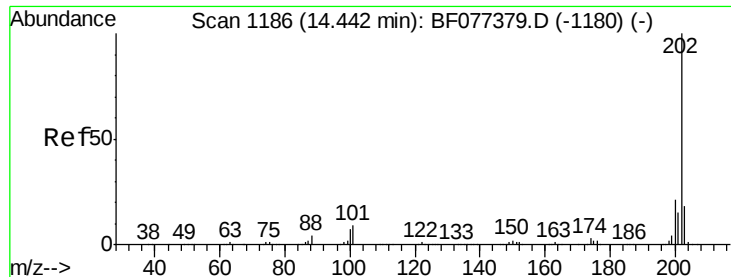
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#73
 Di-n-butylphthalate
 Concen: 22.46 ng
 RT: 13.64 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

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





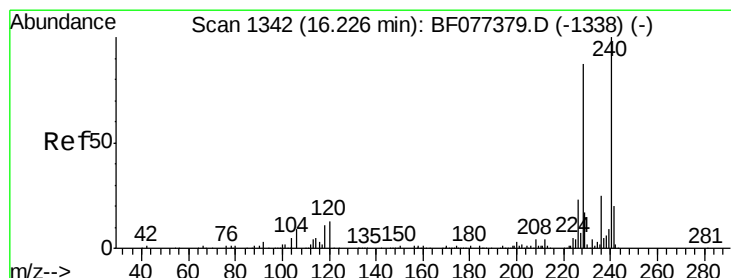
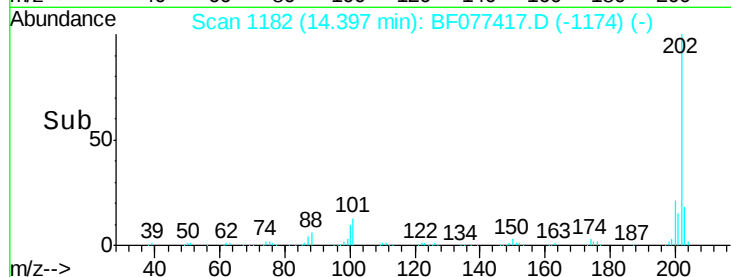
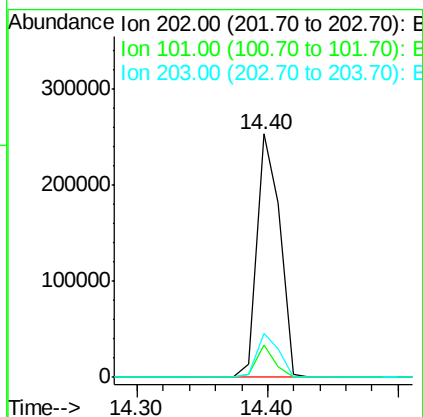
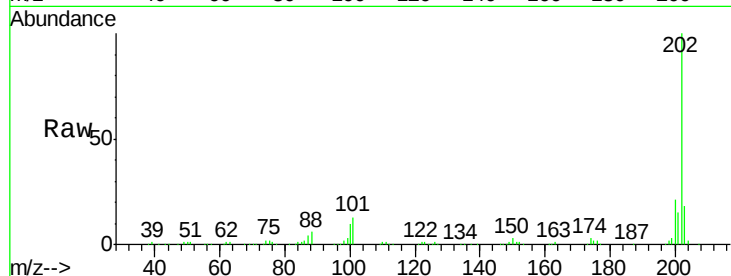
#74
Fluoranthene
Concen: 24.56 ng
RT: 14.40 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

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

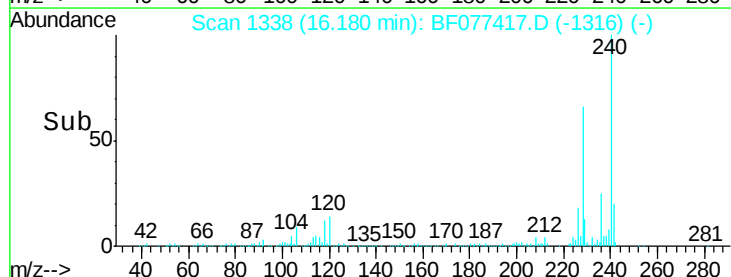
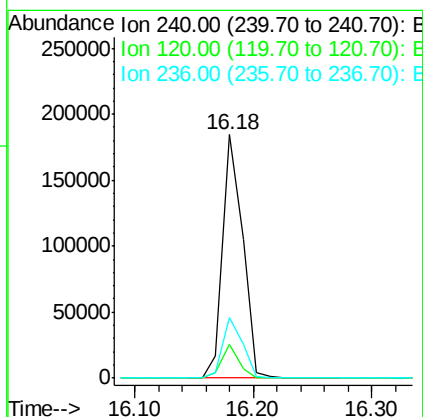
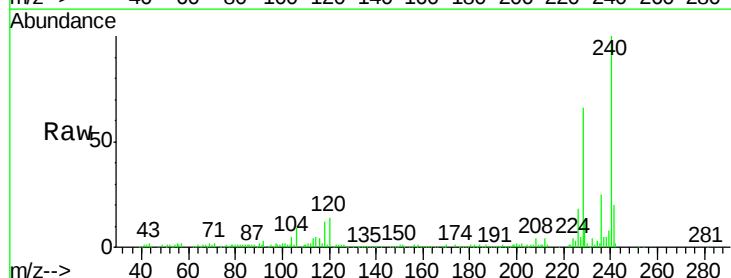
Manual Integrations
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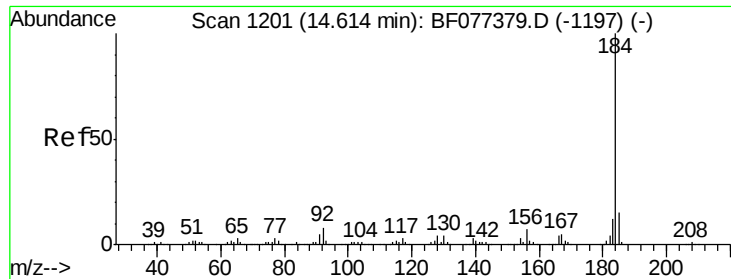
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.18 min Scan# 1338
Delta R.T. -0.05 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

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





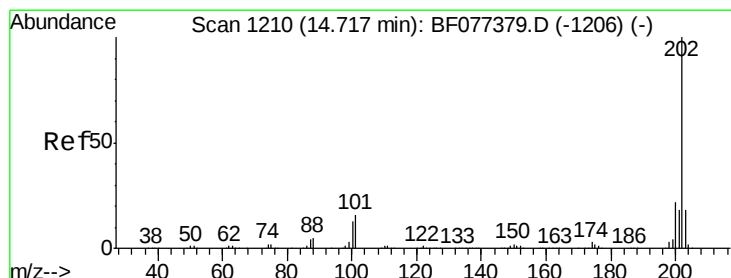
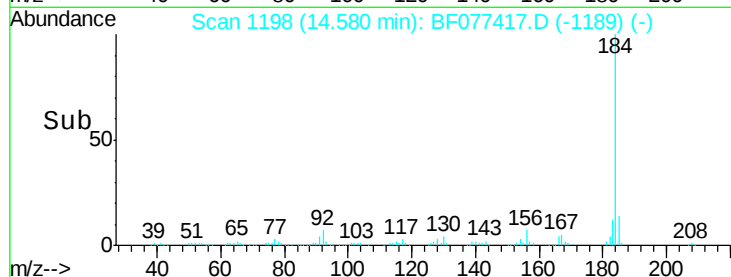
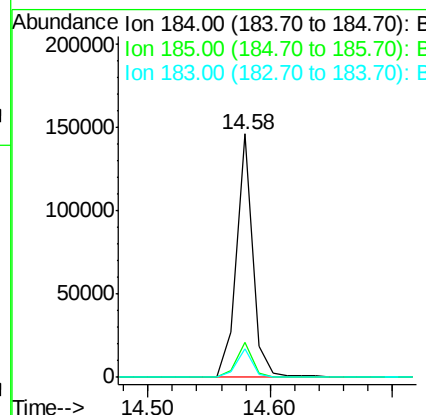
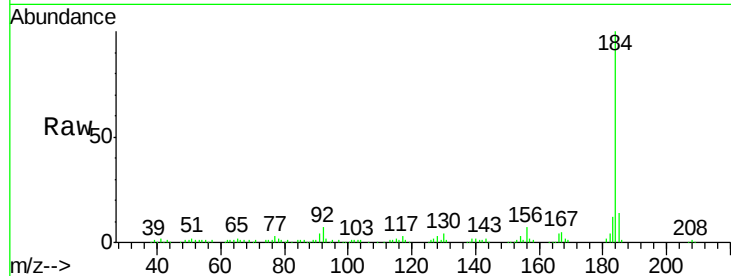
#76
Benzidine
Concen: 18.84 ng m
RT: 14.58 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	136600		
185	14.3	12.6	18.8	
183	11.5	9.3	13.9	

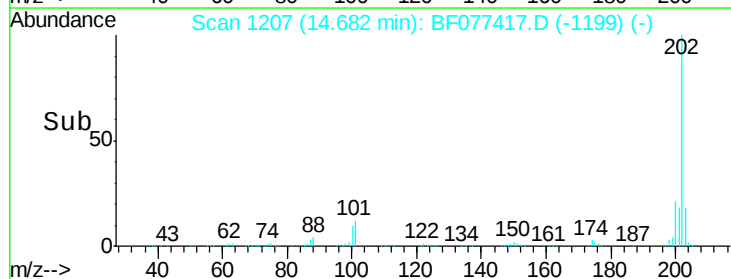
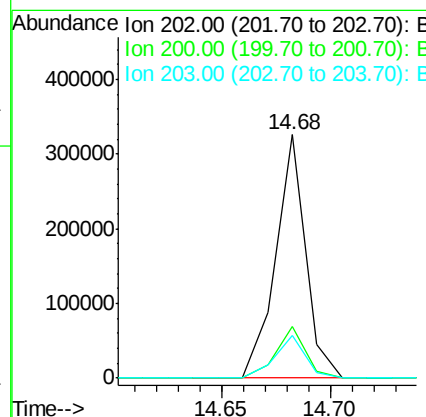
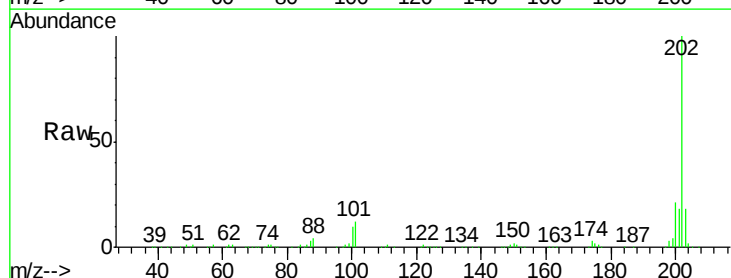
Manual Integrations
APPROVED

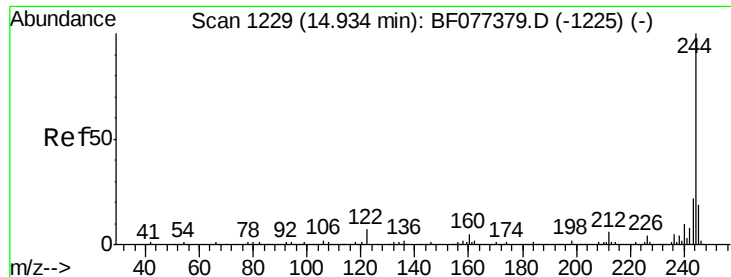
apatel
2/25/2015 3:33:26 PM



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

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





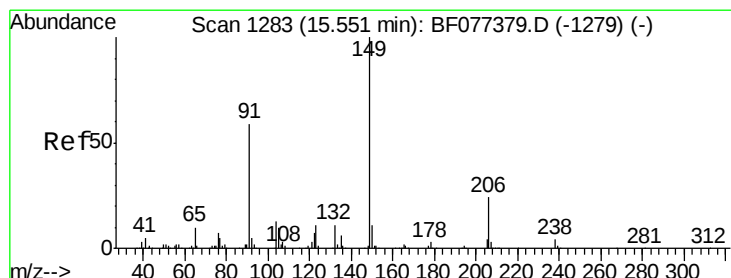
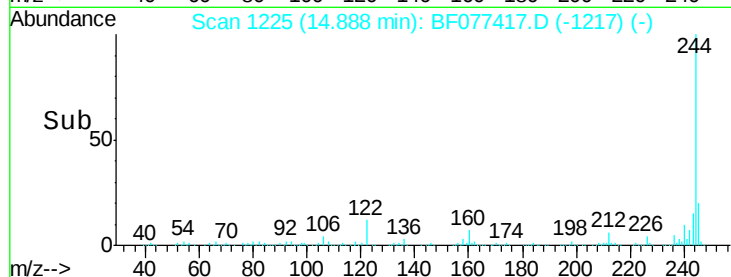
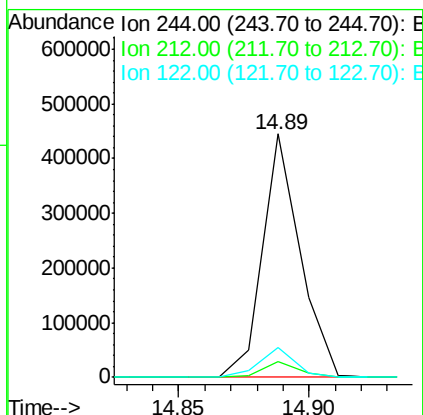
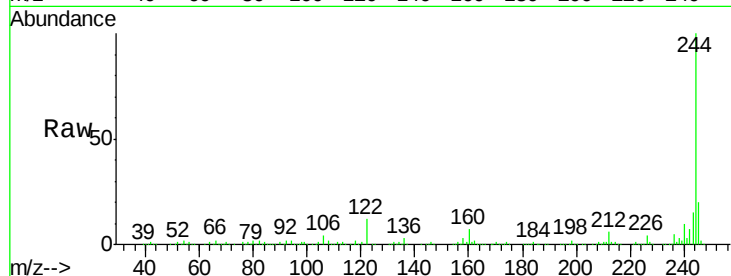
#78
 Terphenyl-d14
 Concen: 48.00 ng
 RT: 14.89 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

Instrument :
 BNA_F
 ClientSampleId :
 DRILL-CUTTINGMSD

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

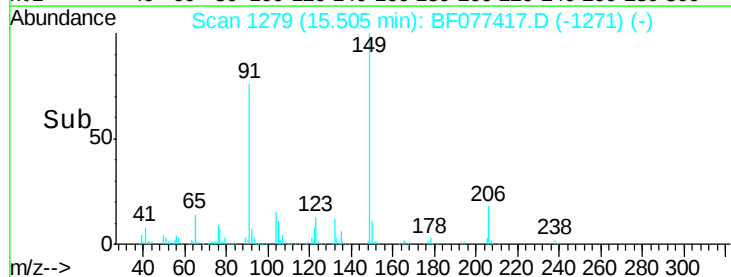
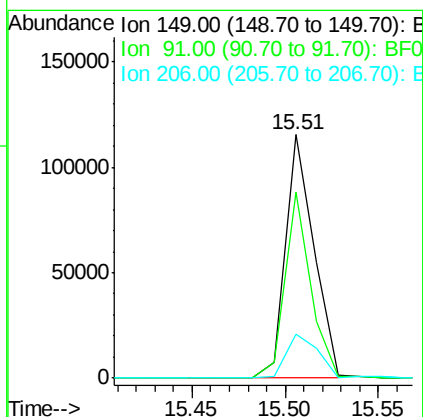
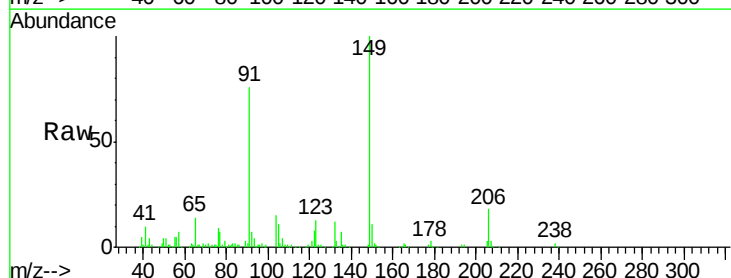
Manual Integrations
 APPROVED

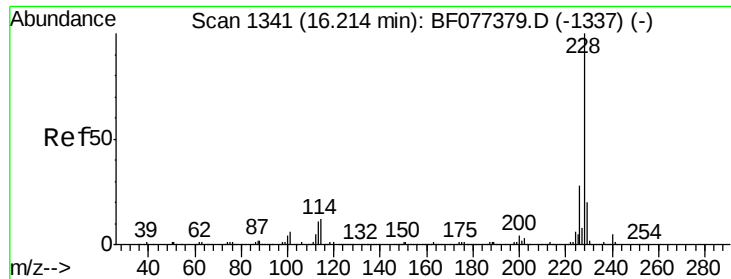
apatel
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#79
 Butylbenzylphthalate
 Concen: 22.86 ng
 RT: 15.51 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF077417.D
 Acq: 24 Feb 2015 15:04

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





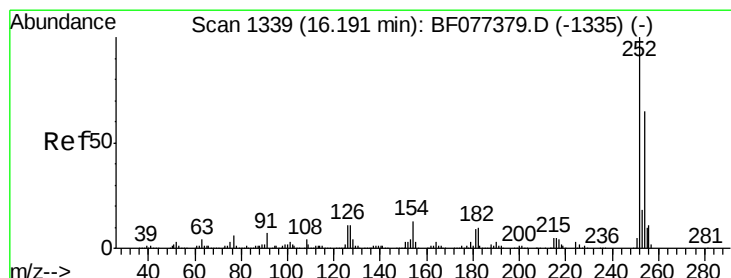
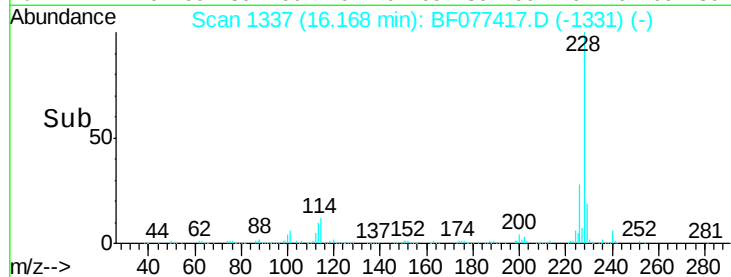
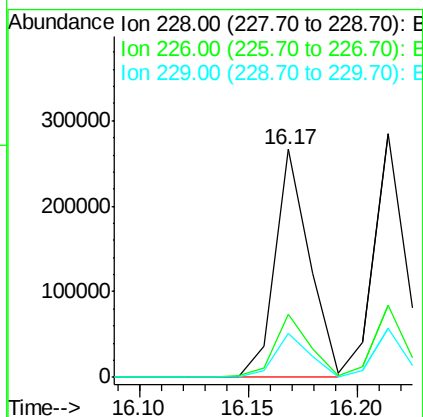
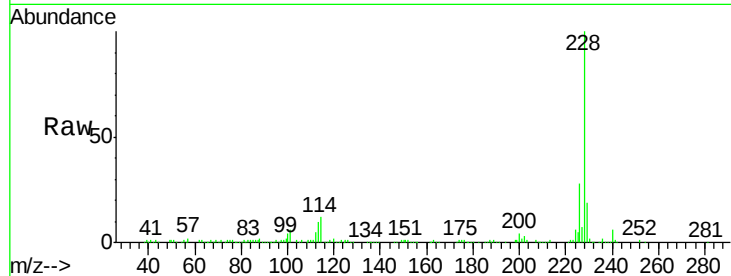
#80
Benzo(a)anthracene
Concen: 23.50 ng
RT: 16.17 min Scan# 1337
Delta R.T. -0.03 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.0	33.0
229	19.4	15.8	23.8

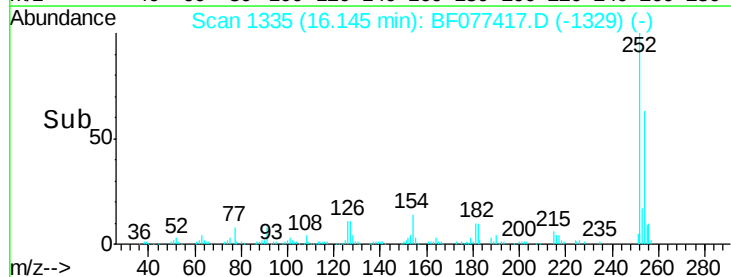
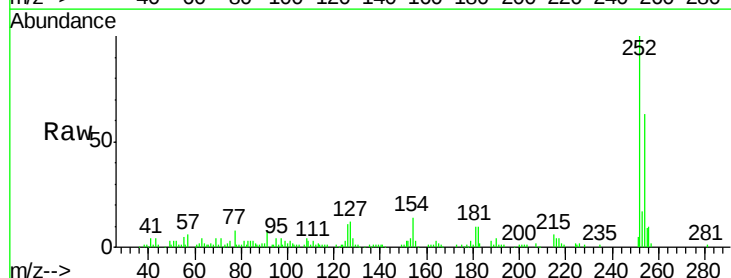
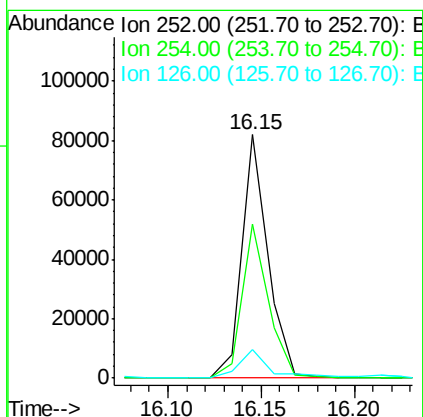
Manual Integrations
APPROVED

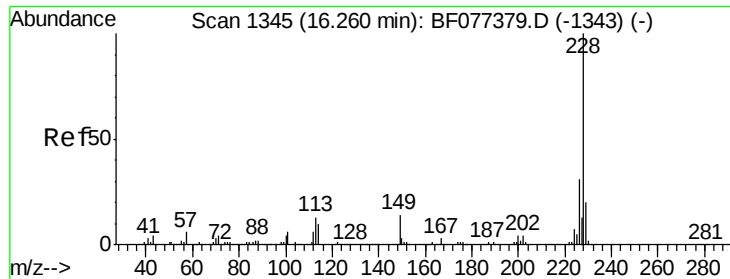
apatel
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#81
3,3'-Dichlorobenzidine
Concen: 17.35 ng
RT: 16.15 min Scan# 1335
Delta R.T. -0.03 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.1	52.9	79.3
126	11.5	7.3	10.9





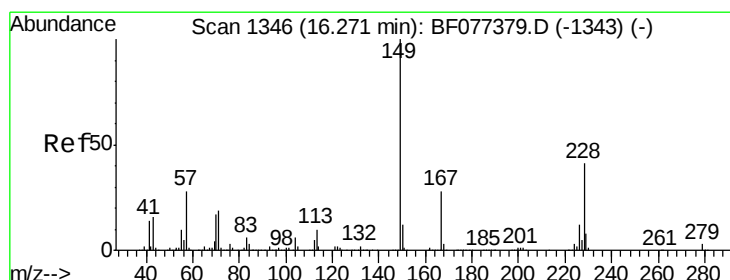
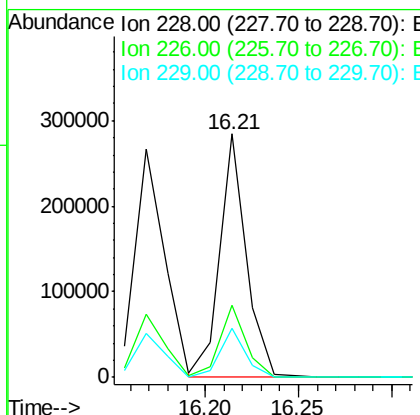
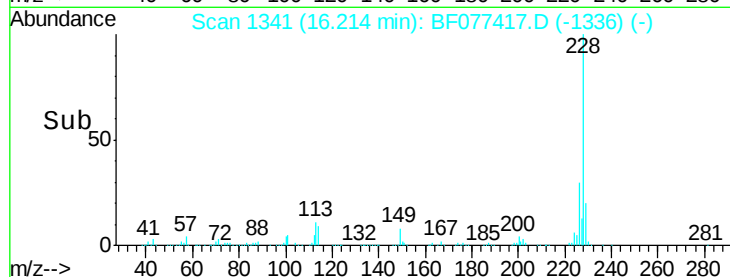
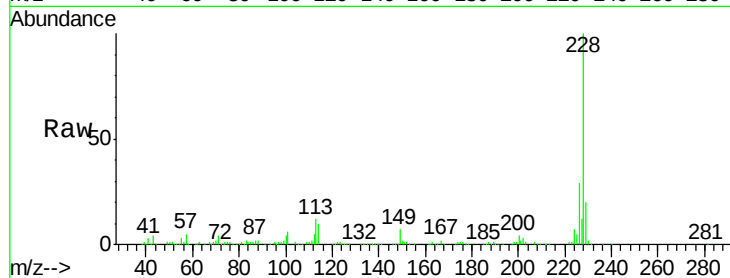
#82
Chrysene
Concen: 23.85 ng
RT: 16.21 min Scan# 1341
Delta R.T. -0.05 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	281763		
226	29.5		24.9	37.3
229	20.0		16.4	24.6

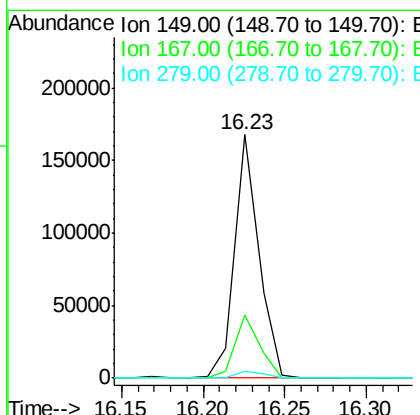
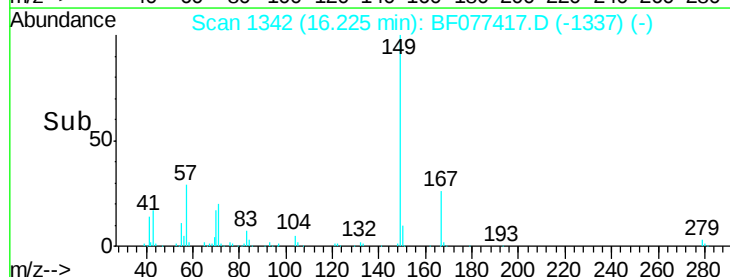
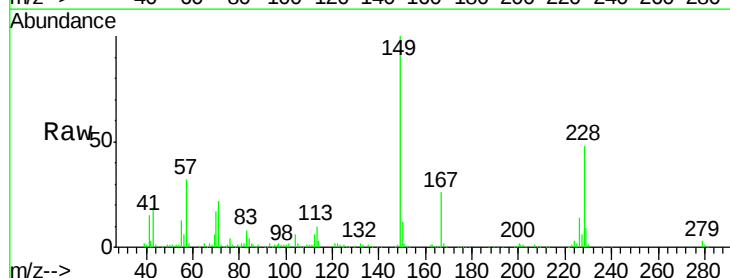
Manual Integrations
APPROVED

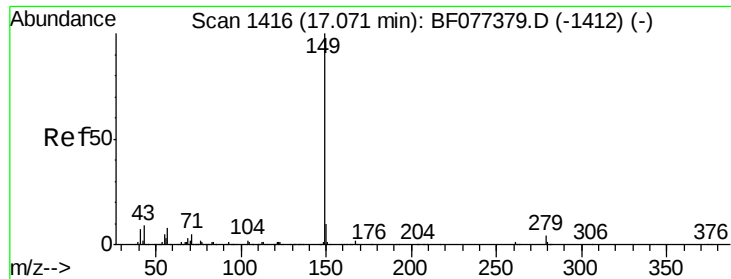
apatel
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#83
Bis(2-ethylhexyl)phthalate
Concen: 19.59 ng
RT: 16.23 min Scan# 1342
Delta R.T. -0.05 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	169654		
167	26.1		22.8	34.2
279	3.0		3.8	5.6#





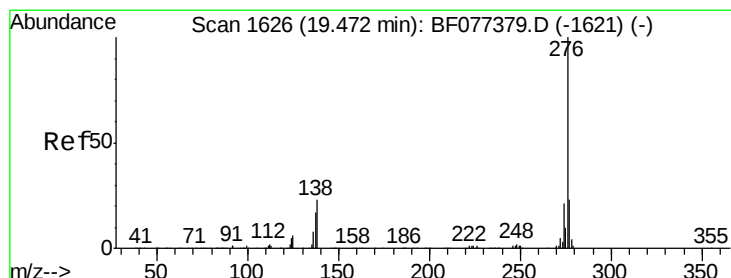
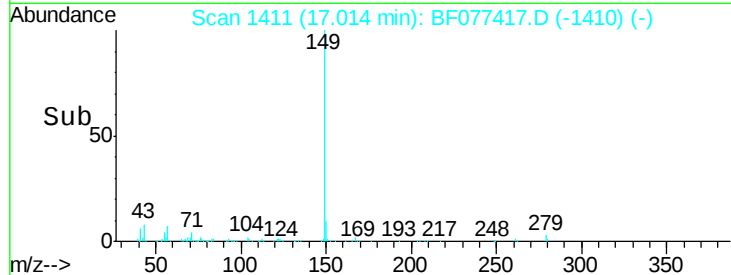
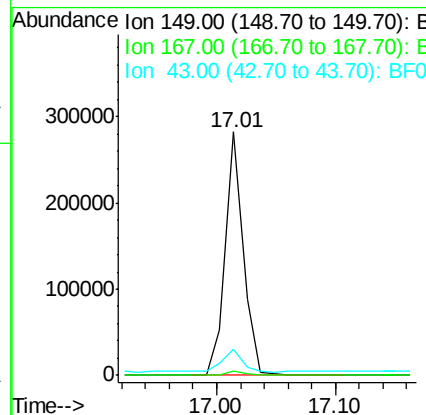
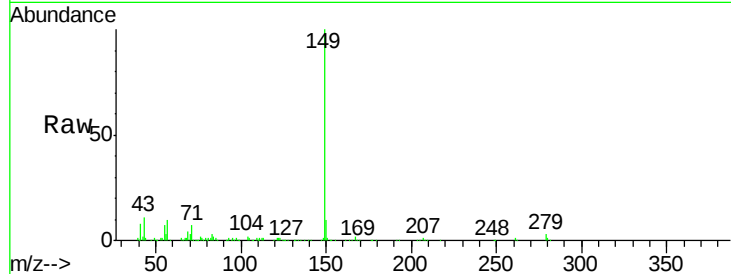
#84
Di-n-octyl phthalate
Concen: 20.27 ng
RT: 17.01 min Scan# 1411
Delta R.T. -0.09 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGMSD

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

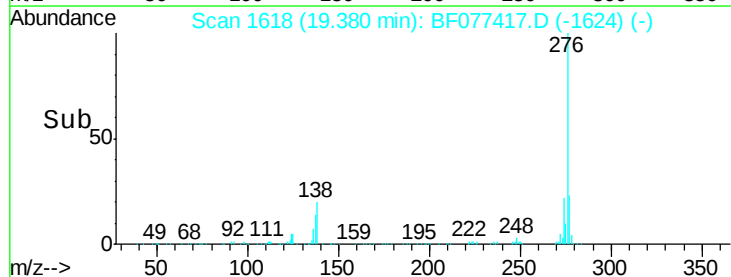
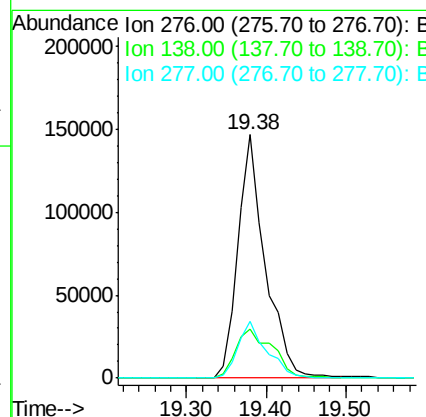
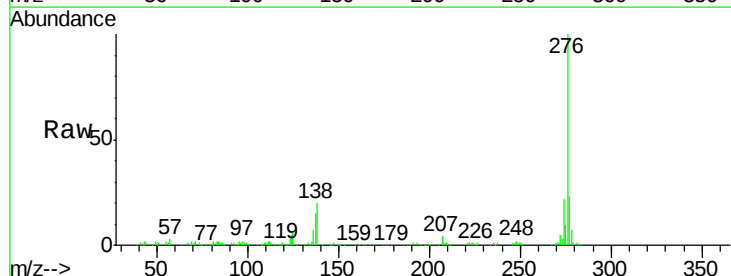
Manual Integrations
APPROVED

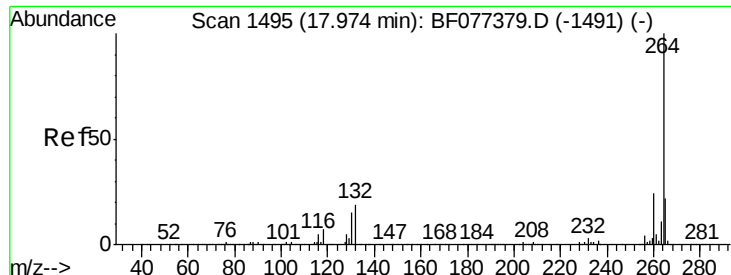
apatel
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#85
Indeno(1,2,3-cd)pyrene
Concen: 25.90 ng m
RT: 19.38 min Scan# 1618
Delta R.T. -0.17 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	0.0	21.2	31.8#
277	0.0	20.0	30.0#





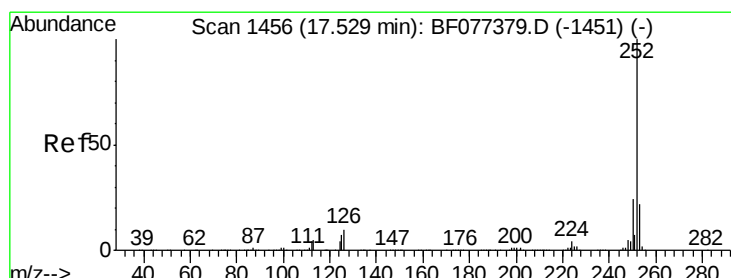
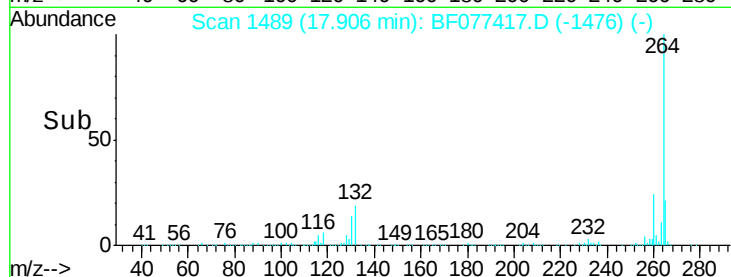
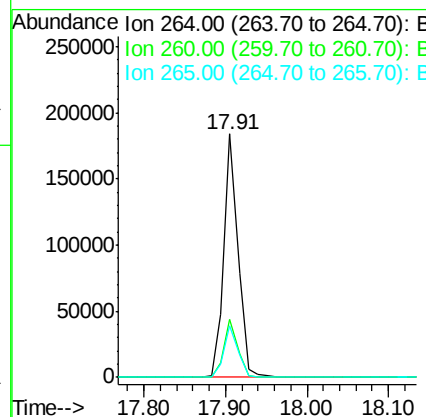
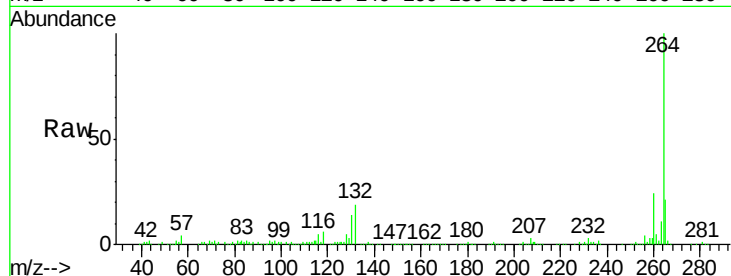
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.91 min Scan# 1489
Delta R.T. -0.15 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMSD

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

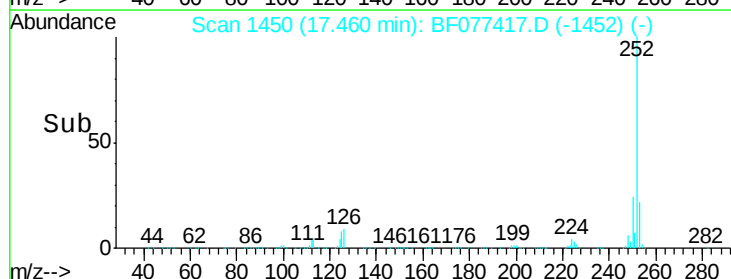
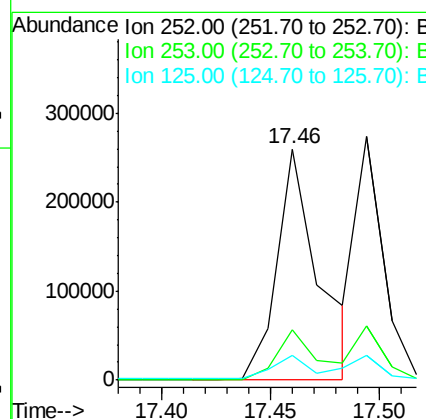
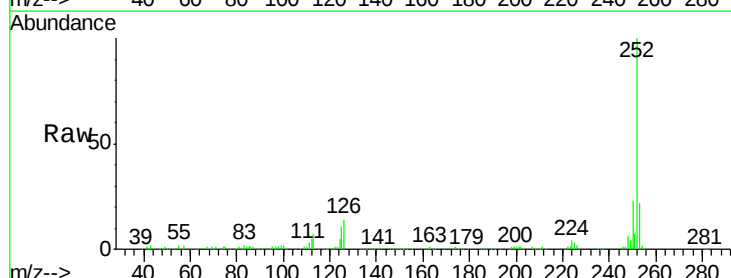
Manual Integrations
APPROVED

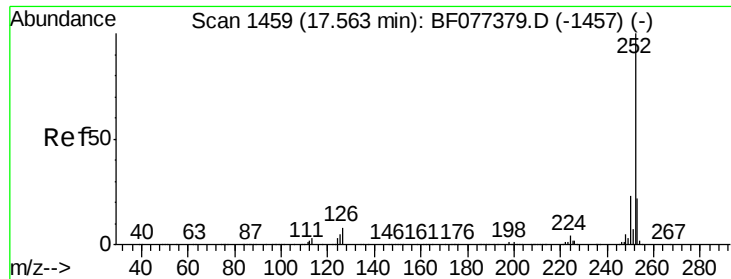
apatel
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#87
Benzo(b)fluoranthene
Concen: 27.07 ng
RT: 17.46 min Scan# 1450
Delta R.T. -0.13 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	350444		
253	21.9	17.6	26.4	
125	11.0	5.4	8.2	





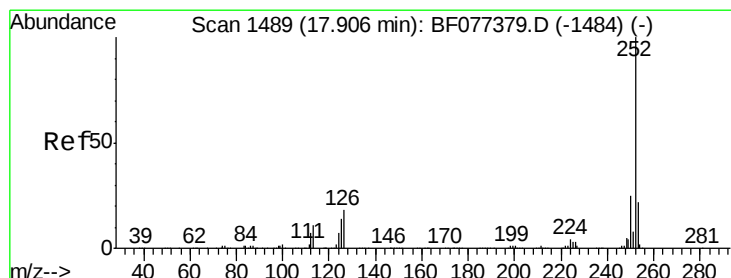
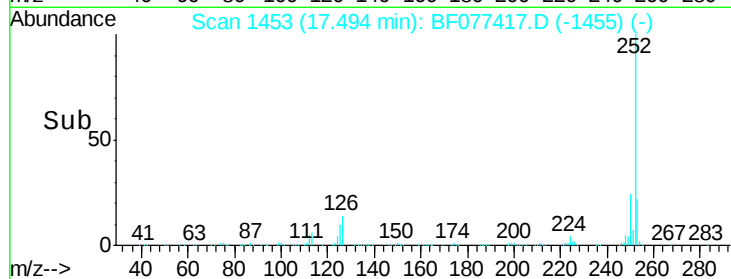
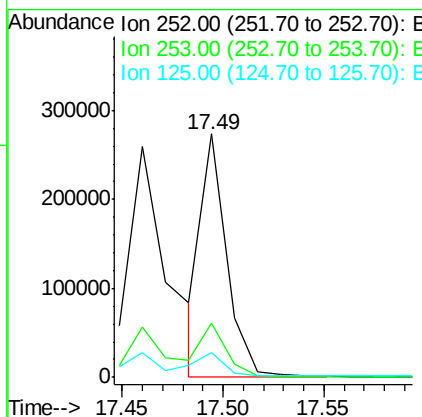
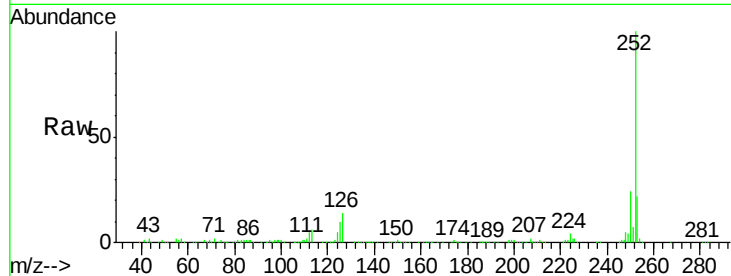
#88
Benzo(k)fluoranthene
Concen: 19.11 ng m
RT: 17.49 min Scan# 1453
Delta R.T. -0.13 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Instrument :
BNA_F
ClientSampleId :
DRILL-CUTTINGSMDS

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	242398		
253	22.2	18.1	27.1	
125	10.3	10.1	15.1	

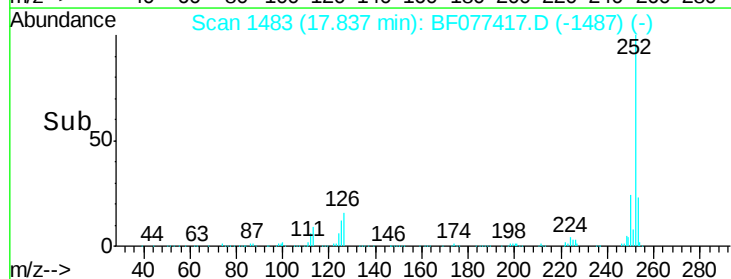
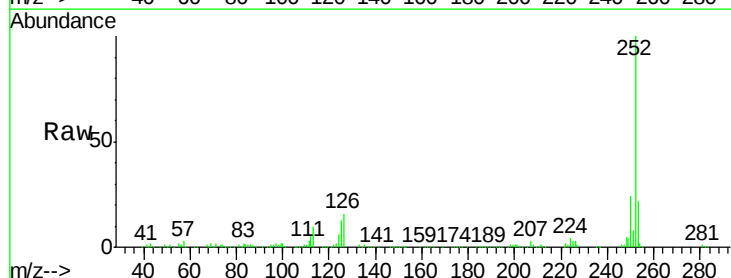
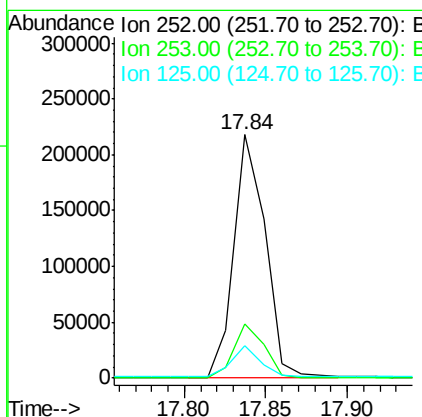
Manual Integrations
APPROVED

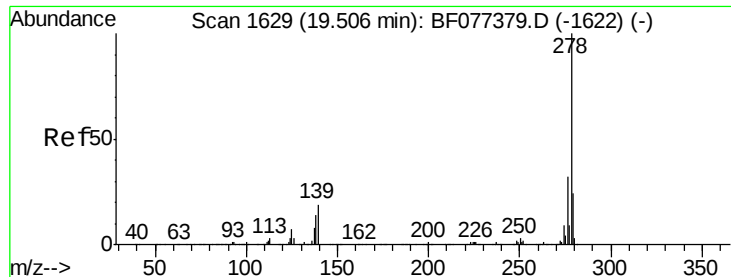
apatel
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#89
Benzo(a)pyrene
Concen: 23.68 ng
RT: 17.84 min Scan# 1483
Delta R.T. -0.15 min
Lab File: BF077417.D
Acq: 24 Feb 2015 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	291965		
253	22.5	18.2	27.2	
125	13.1	8.3	12.5#	





#90

Dibenzo(a,h)anthracene

Concen: 24.59 ng

RT: 19.41 min Scan# 1621

Delta R.T. -0.17 min

Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

Instrument :

BNA_F

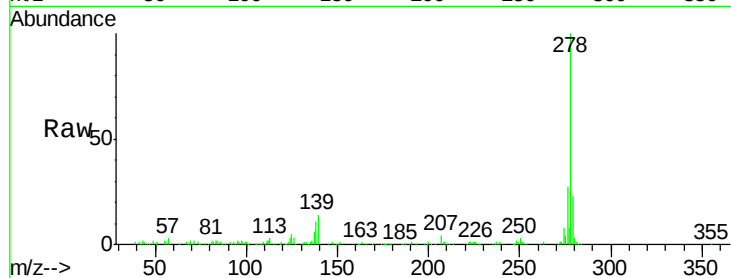
ClientSampleId :

DRILL-CUTTINGSMSD

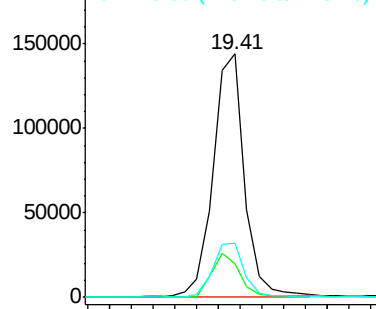
Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.0	14.3	21.5#
279	22.5	19.0	28.6

Manual Integrations
APPROVED

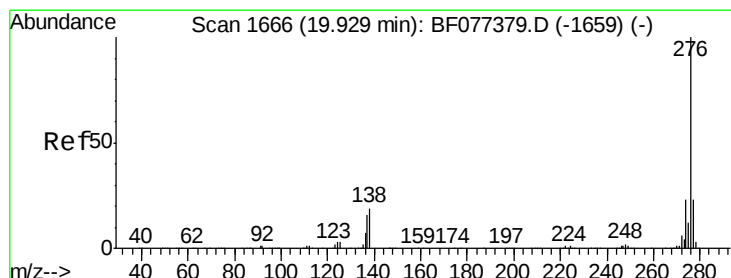
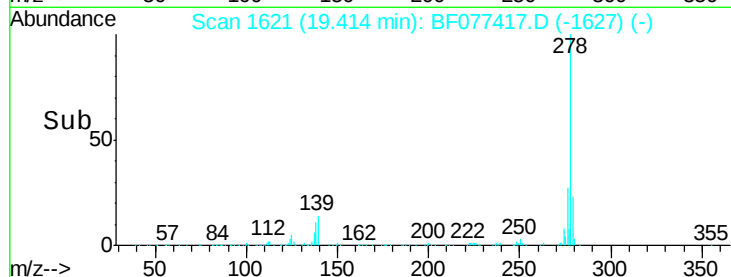
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->



#91

Benzo(g,h,i)perylene

Concen: 24.90 ng

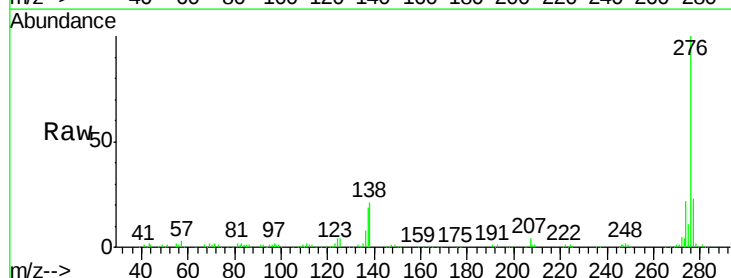
RT: 19.81 min Scan# 1656

Delta R.T. -0.18 min

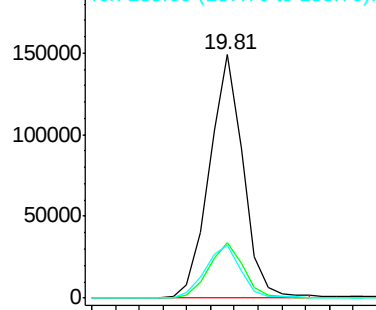
Lab File: BF077417.D

Acq: 24 Feb 2015 15:04

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



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



Time-->

