

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050219\
 Data File : BF114087.D
 Acq On : 2 May 2019 16:31
 Operator : JU/SJ
 Sample : K2654-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

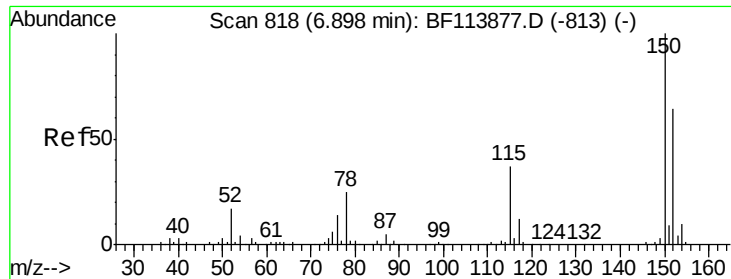
Quant Time: May 03 00:53:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	75827	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	233116	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	122025	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	118917	20.00	ng	0.04
76) Chrysene-d12	14.12	240	140953	20.00	ng	0.05
87) Perylene-d12	15.57	264	162255	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	462091	104.23	ng	0.00
7) Phenol-d6	6.52	99	610218	109.71	ng	0.00
23) Nitrobenzene-d5	7.45	82	358737	95.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	146419	98.50	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	547592	70.19	ng	-0.01
79) Terphenyl-d14	13.08	244	350522	50.98	ng	0.08

Target Compounds				Qvalue		
9) Benzaldehyde	6.43	77	1219	Below Cal	#	87
25) Isophorone	7.45	82	355077	45.963	ng	# 65
27) 2,4-Dimethylphenol	7.90	122	6260	2.019	ng	# 4
32) Benzoic acid	7.90	122	6260	2.989	ng	# 91
50) Dimethylphthalate	9.63	163	44725	5.068	ng	# 97
54) 2,4-Dinitrophenol	10.12	184	313	8.661	ng	# 1
62) 4-Nitroaniline	10.39	138	11383	5.863	ng	# 89
65) 4,6-Dinitro-2-methylphenol	10.50	198	1385	9.462	ng	# 1
66) n-Nitrosodiphenylamine	10.63	169	21646	6.066	ng	# 57
67) 4-Bromophenyl-phenylether	11.03	248	3311	2.305	ng	# 1
69) Atrazine	11.13	200	3761	3.240	ng	# 1
70) Pentachlorophenol	11.30	266	8370	9.364	ng	# 7
71) Phenanthrene	11.48	178	26793	4.483	ng	# 1
72) Anthracene	11.59	178	13620	2.257	ng	# 1
74) Di-n-butylphthalate	12.04	149	58274	9.201	ng	# 27
77) Benzidine	12.79	184	9677	2.304	ng	# 1
84) Bis(2-ethylhexyl)phthalate	14.07	149	11474	2.325	ng	# 50

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

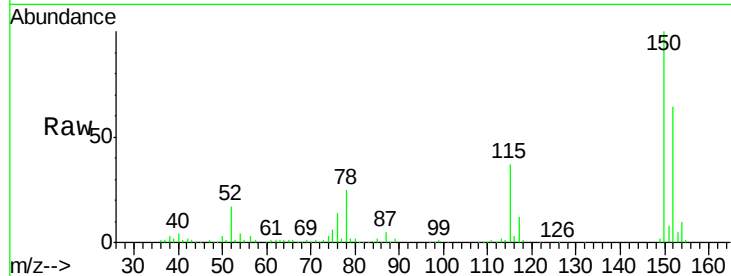


#1

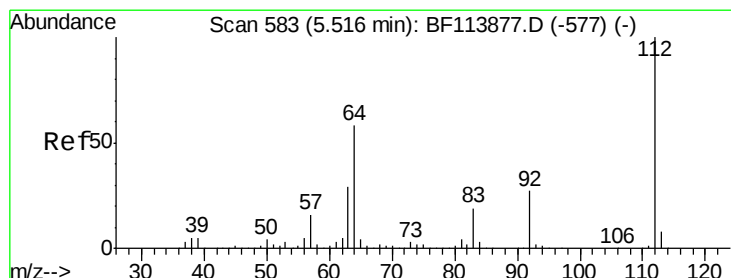
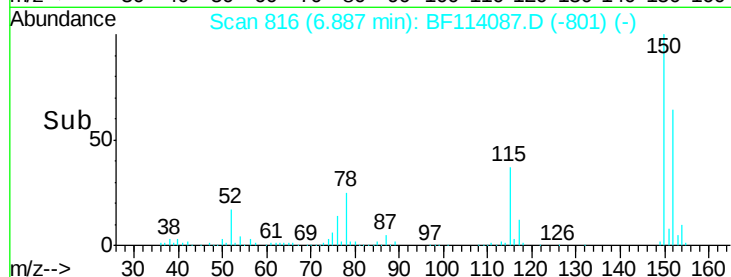
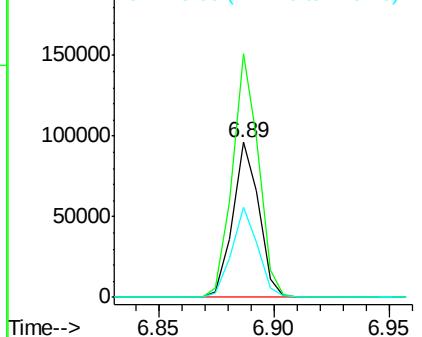
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF114087.D
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Tot Ion:152 Resp: 75827
Ion Ratio Lower Upper
152 100
150 156.9 125.9 188.9
115 58.2 45.9 68.9



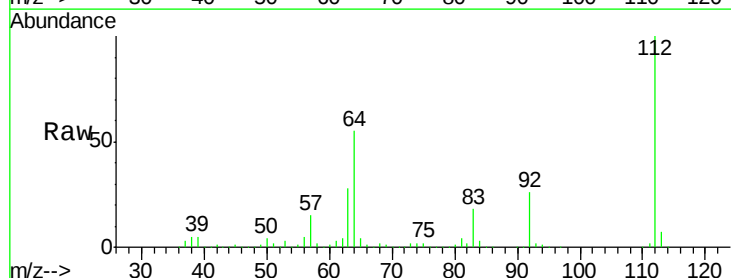
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



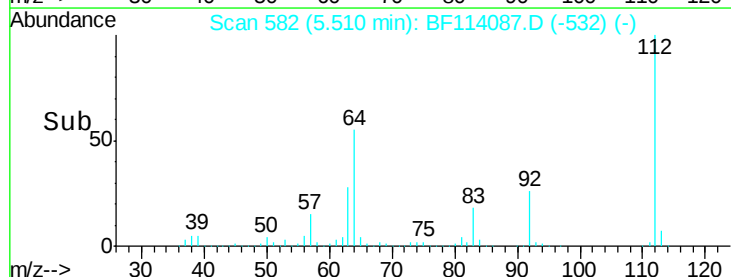
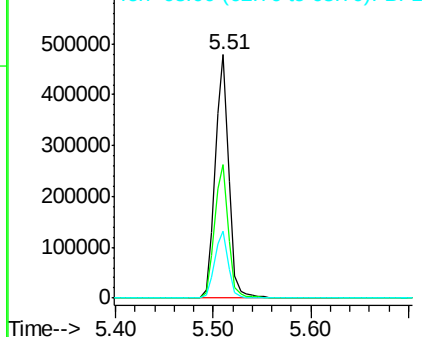
#5

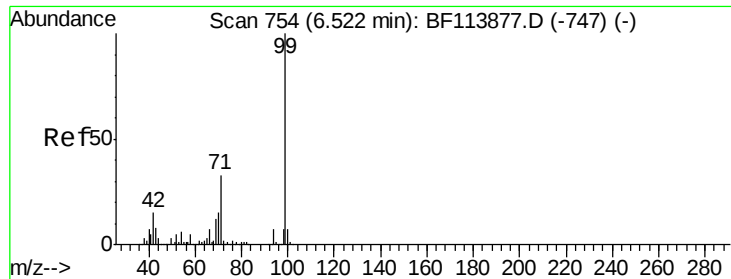
2-Fluorophenol
Concen: 104.229 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF114087.D
Acq: 2 May 2019 16:31

Tgt Ion:112 Resp: 462091
Ion Ratio Lower Upper
112 100
64 54.8 46.6 69.8
63 27.5 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 109.707 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF114087.D

Acq: 2 May 2019 16:31

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

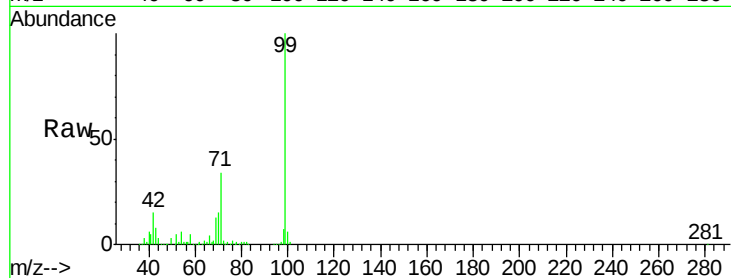
Tot Ion: 99 Resp: 610218

Ion Ratio Lower Upper

99 100

42 15.1 12.5 18.7

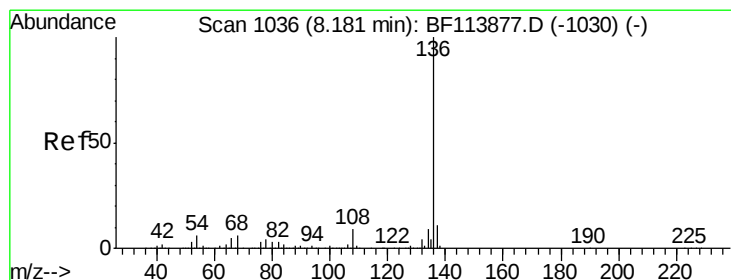
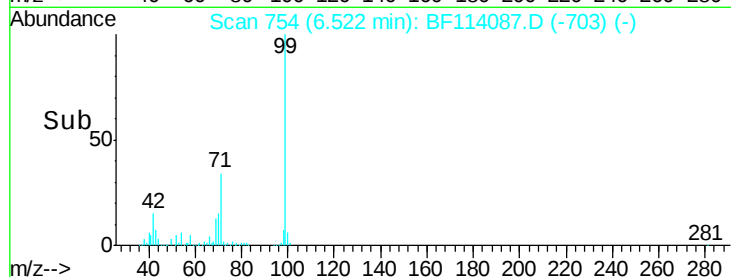
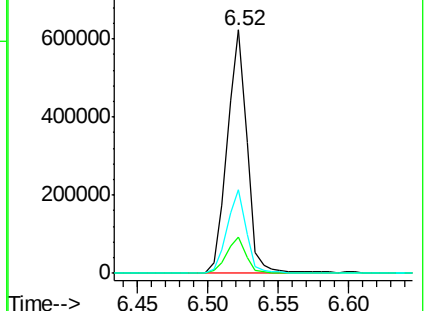
71 34.4 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF114087.D

Acq: 2 May 2019 16:31

Tgt Ion: 136 Resp: 233116

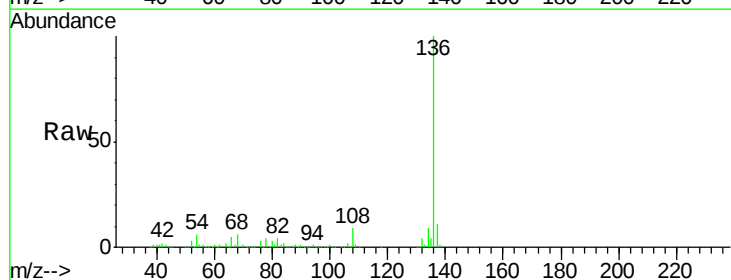
Ion Ratio Lower Upper

136 100

137 10.5 8.6 12.8

54 5.9 5.0 7.6

68 5.7 4.9 7.3

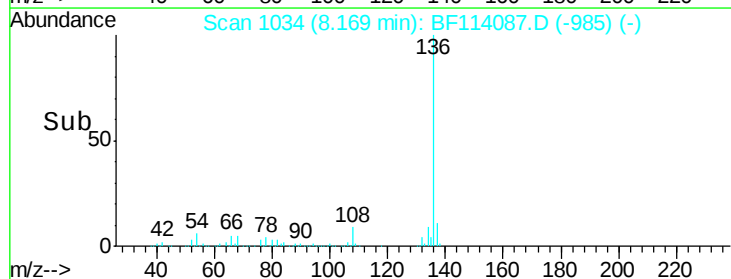
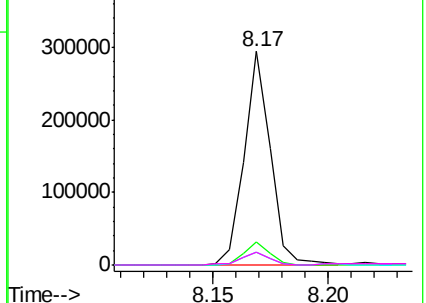


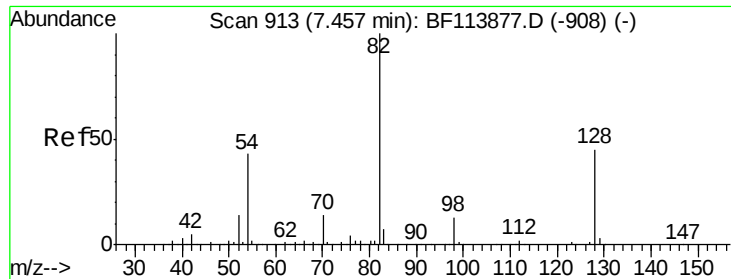
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

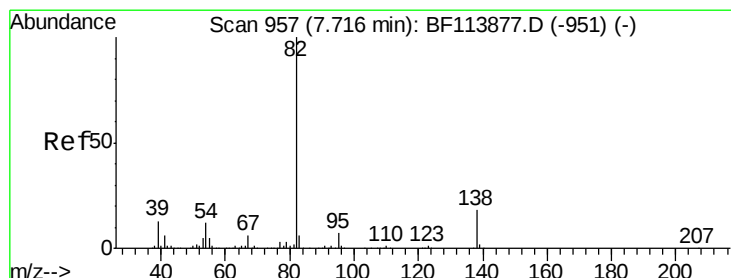
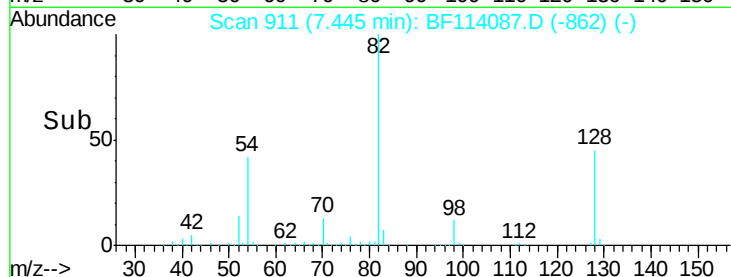
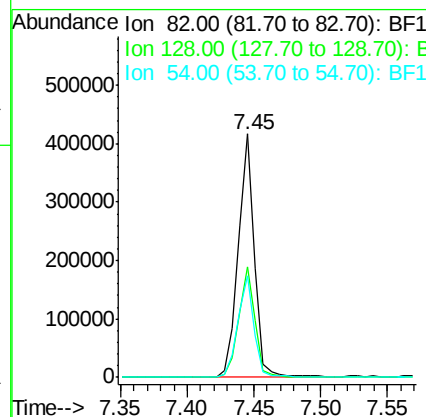
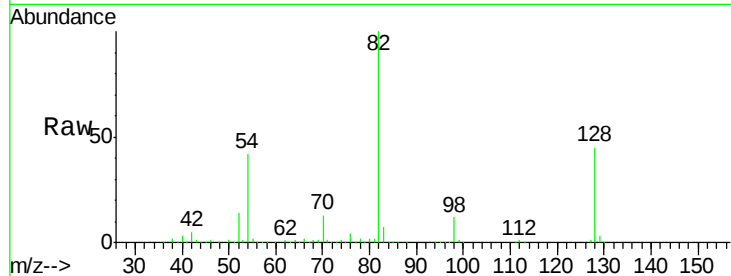




#23
Nitrobenzene-d5
Concen: 95.016 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF114087.D
Acq: 2 May 2019 16:31

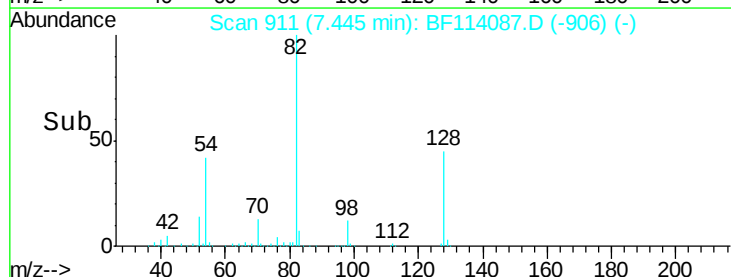
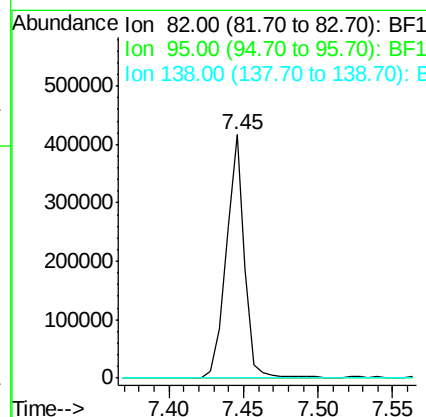
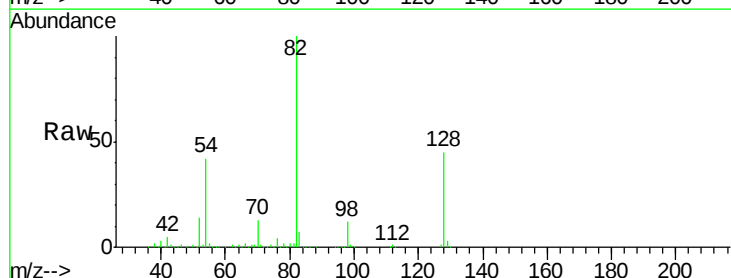
Instrument :
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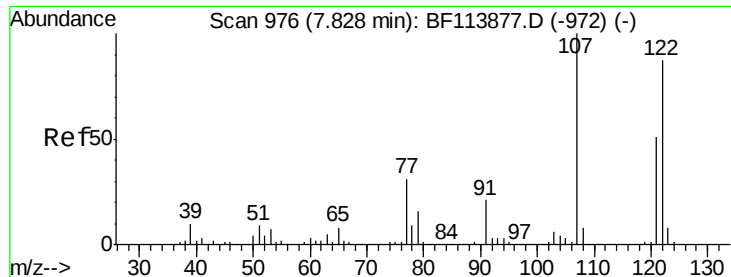
Tot Ion: 82 Resp: 358737
Ion Ratio Lower Upper
82 100
128 45.3 36.8 55.2
54 41.5 33.8 50.6



#25
Isophorone
Concen: 45.963 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.27 min
Lab File: BF114087.D
Acq: 2 May 2019 16:31

Tgt Ion: 82 Resp: 355077
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.2#
138 0.0 14.6 22.0#

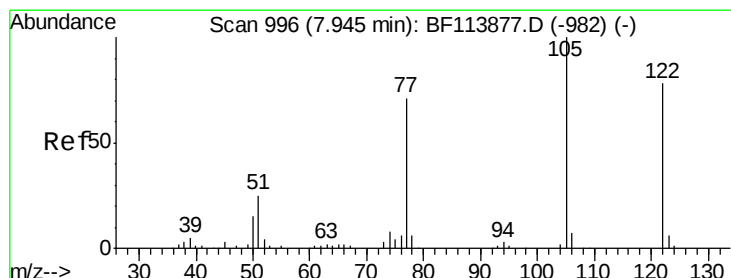
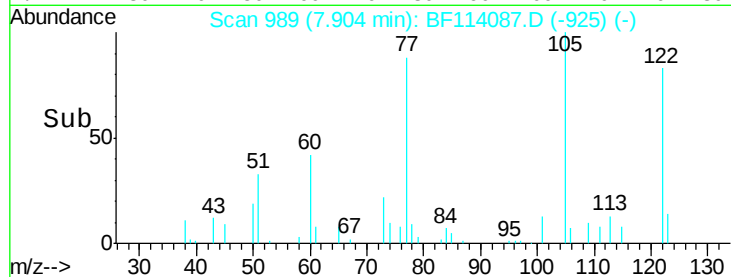
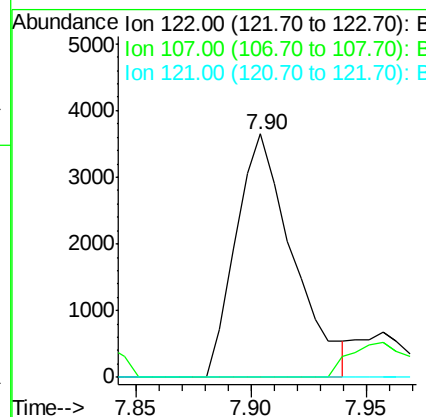
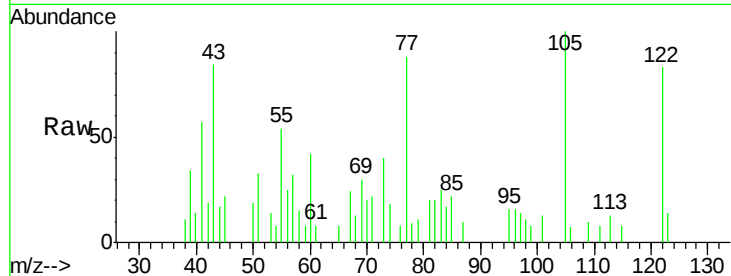




#27
2,4-Dimethylphenol
Concen: 2.019 ng
RT: 7.90 min Scan# 989
Delta R.T. 0.08 min
Lab File: BF114087.D
Acq: 2 May 2019 16:31

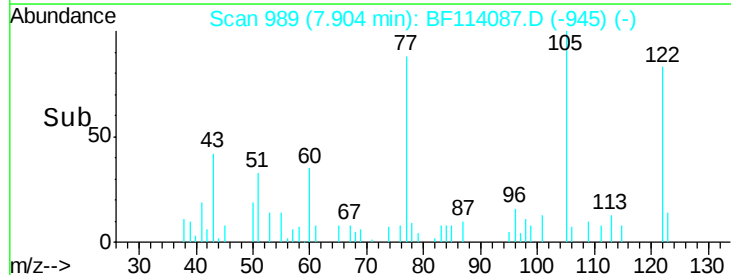
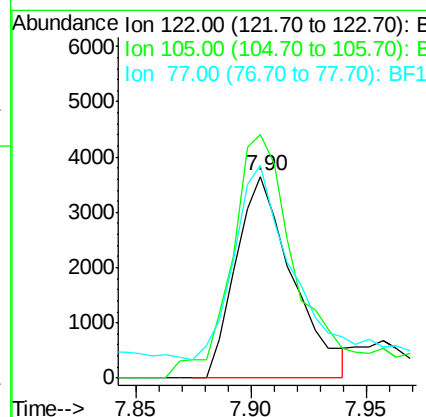
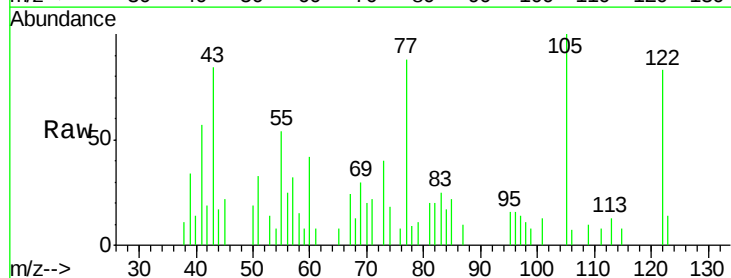
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OILY-STONES

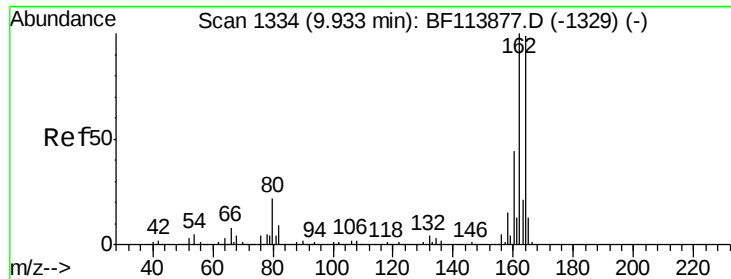
Tot Ion:122 Resp: 6260
Ion Ratio Lower Upper
122 100
107 0.0 91.2 136.8#
121 0.0 46.4 69.6#



#32
Benzoic acid
Concen: 2.989 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.04 min
Lab File: BF114087.D
Acq: 2 May 2019 16:31

Tgt Ion:122 Resp: 6260
Ion Ratio Lower Upper
122 100
105 120.7 104.3 144.3
77 105.7 70.4 110.4

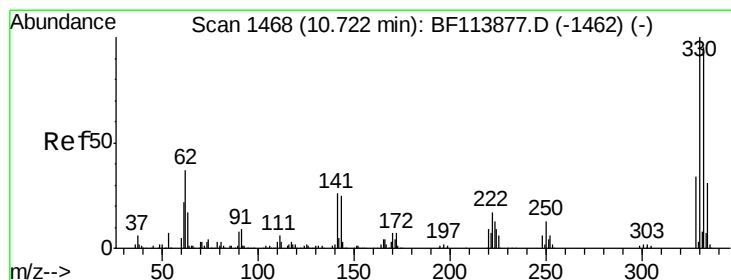
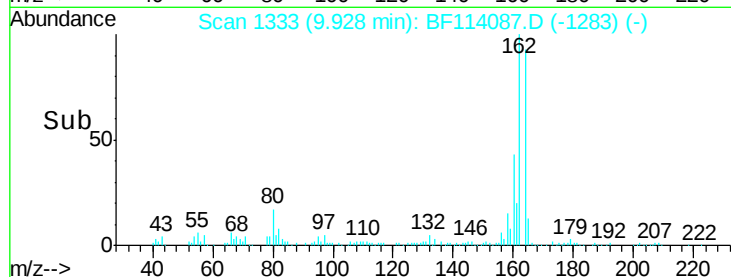
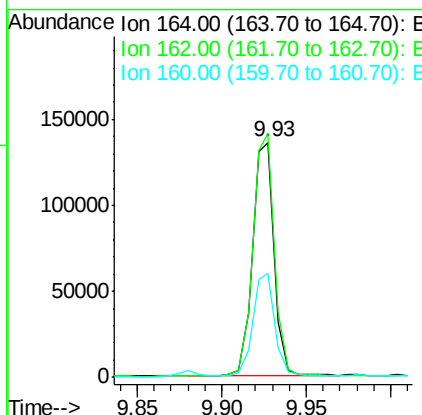
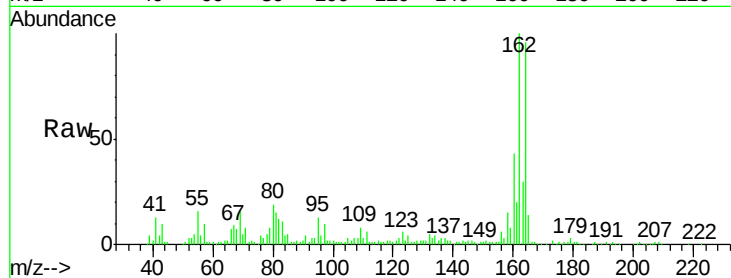




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF114087.D
 Acq: 2 May 2019 16:31

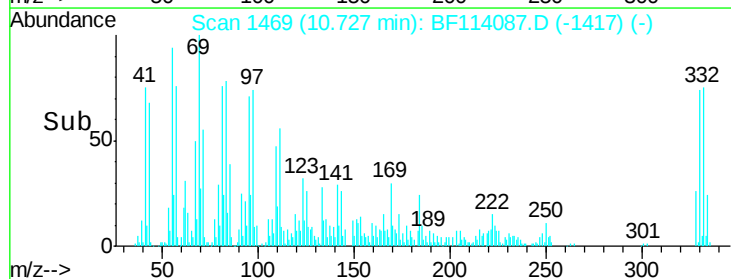
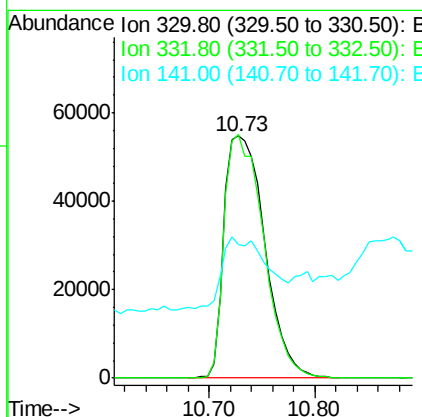
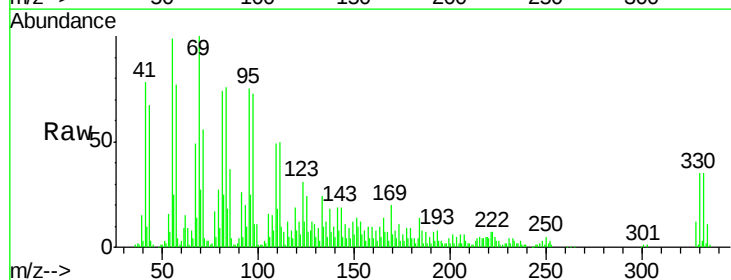
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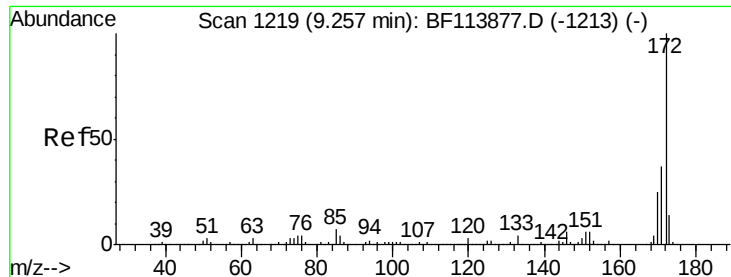
Tot Ion:164 Resp: 122025
 Ion Ratio Lower Upper
 164 100
 162 103.8 81.1 121.7
 160 44.4 35.8 53.6



#42
 2,4,6-Tribromophenol
 Concen: 98.498 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF114087.D
 Acq: 2 May 2019 16:31

Tgt Ion:330 Resp: 146419
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.5 116.3
 141 31.4 22.2 33.2

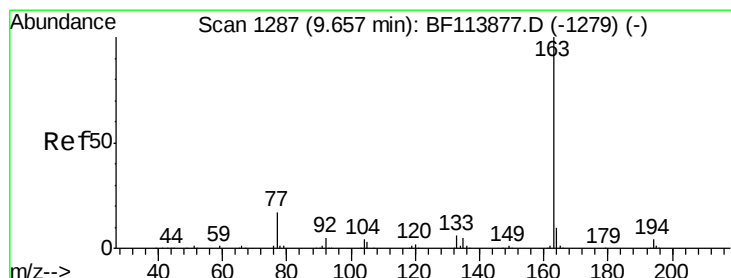
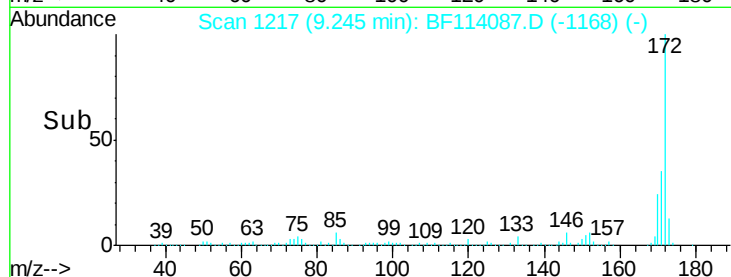
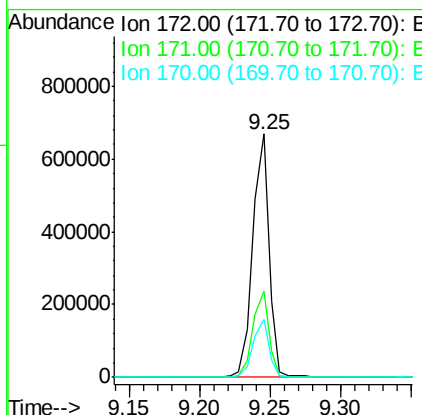
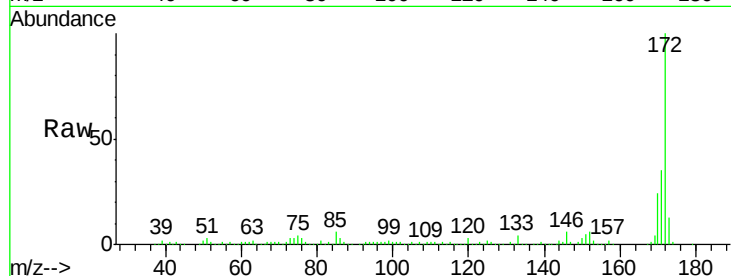




#45
2-Fluorobiphenyl
Concen: 70.186 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF114087.D
Acq: 2 May 2019 16:31

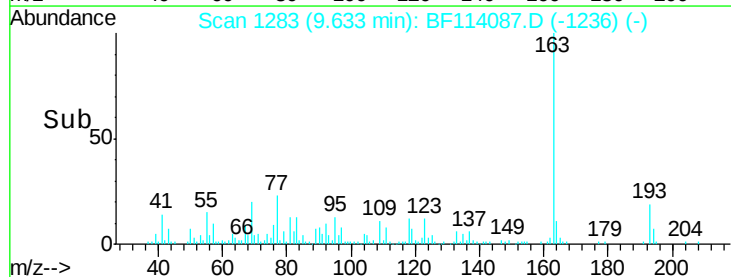
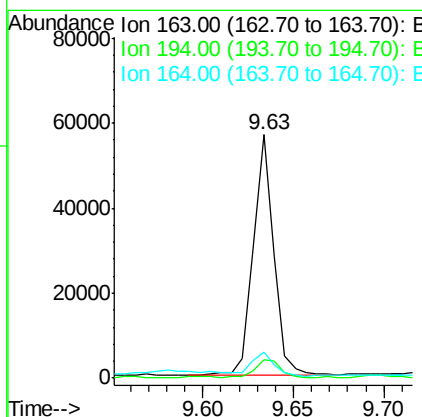
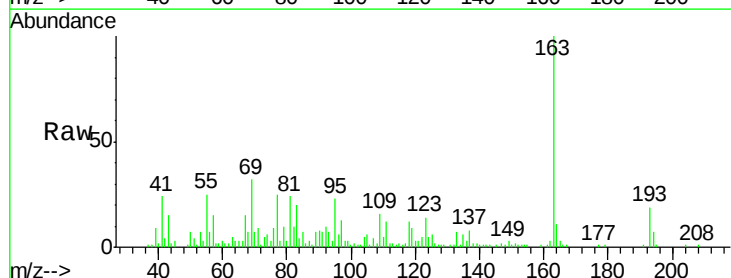
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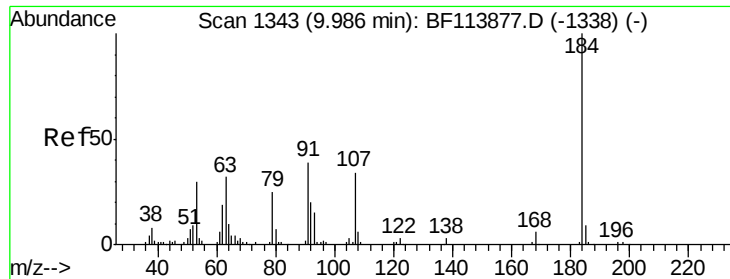
Tot Ion:172 Resp: 547592
Ion Ratio Lower Upper
172 100
171 35.5 29.4 44.0
170 23.6 19.9 29.9



#50
Dimethylphthalate
Concen: 5.068 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF114087.D
Acq: 2 May 2019 16:31

Tgt Ion:163 Resp: 44725
Ion Ratio Lower Upper
163 100
194 7.5 3.4 5.2#
164 10.9 8.5 12.7

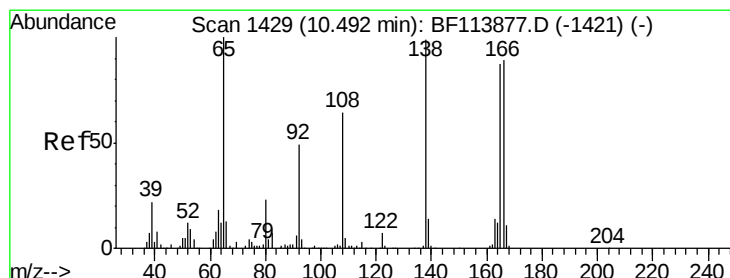
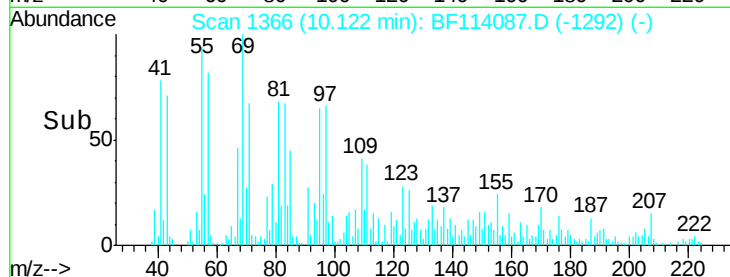
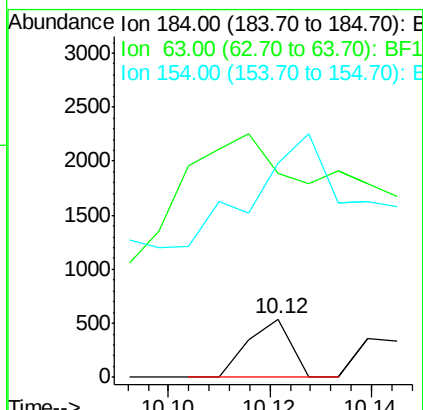
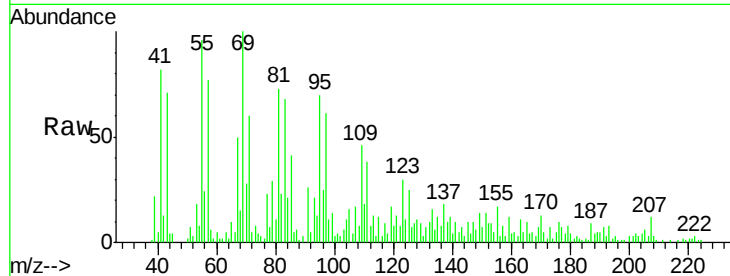




#54
2,4-Dinitrophenol
Concen: 8.661 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.14 min
Lab File: BF114087.D
Acq: 2 May 2019 16:31

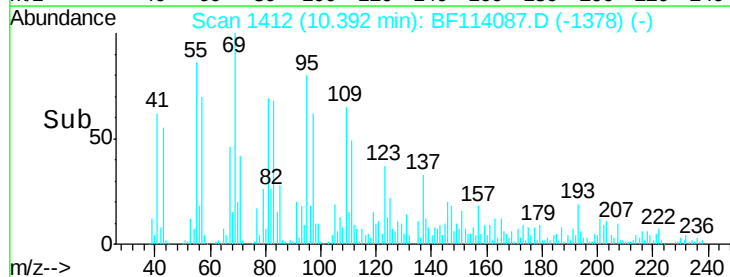
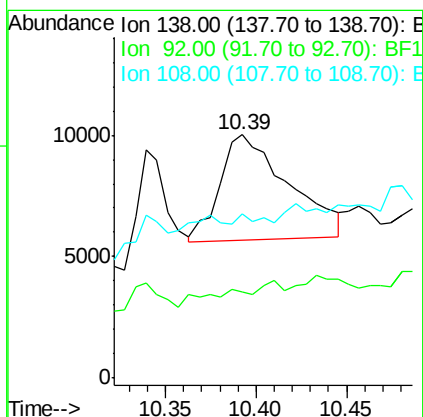
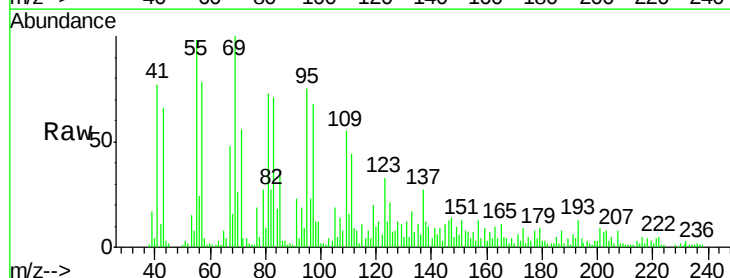
Instrument :
BNA_F
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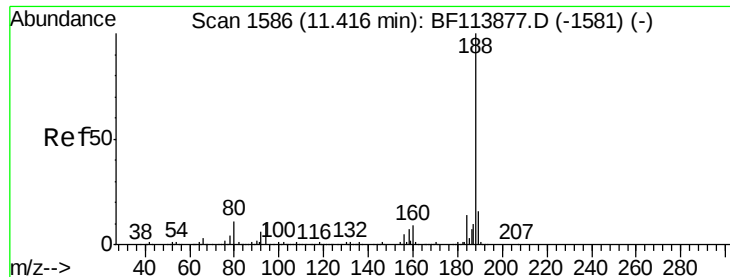
Tot Ion:184 Resp: 313
Ion Ratio Lower Upper
184 100
63 350.1 54.6 81.8#
154 368.6 218.6 328.0#



#62
4-Nitroaniline
Concen: 5.863 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.10 min
Lab File: BF114087.D
Acq: 2 May 2019 16:31

Tgt Ion:138 Resp: 11383
Ion Ratio Lower Upper
138 100
92 35.4 31.3 71.3
108 67.7 48.9 88.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.04 min

Lab File: BF114087.D

Acq: 2 May 2019 16:31

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

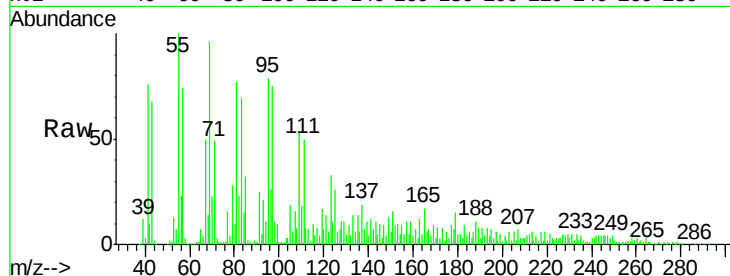
Tot Ion:188 Resp: 118917

Ion Ratio Lower Upper

188 100

94 105.2 8.2 12.4#

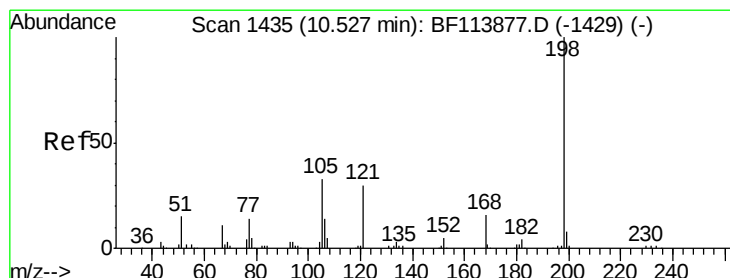
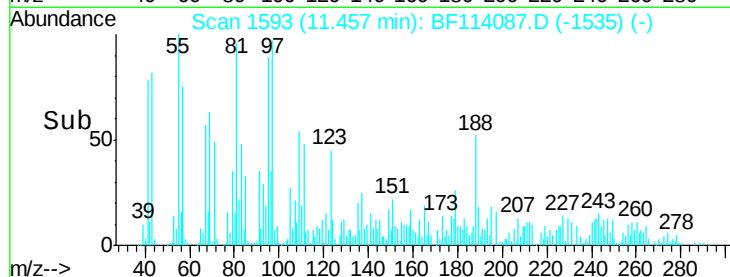
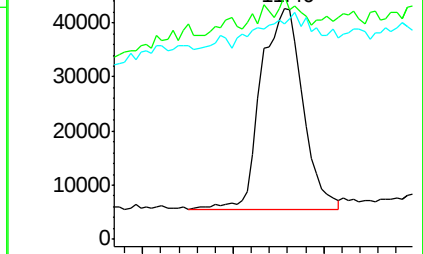
80 93.4 9.0 13.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 9.462 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF114087.D

Acq: 2 May 2019 16:31

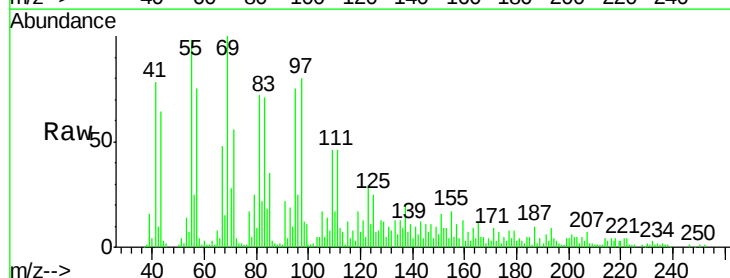
Tgt Ion:198 Resp: 1385

Ion Ratio Lower Upper

198 100

51 304.8 11.1 51.1#

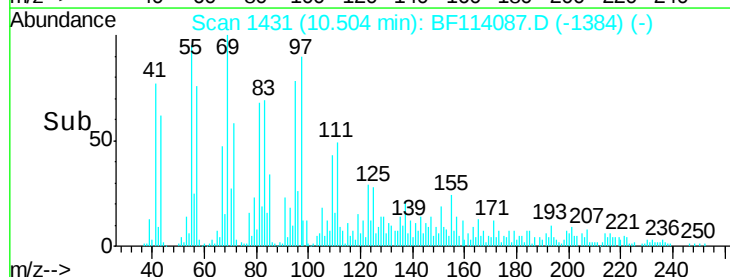
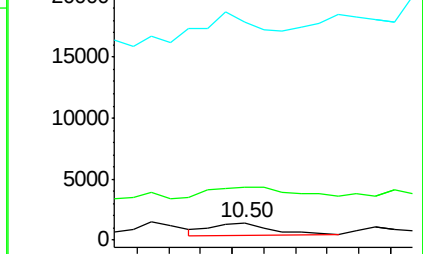
105 1244.3 20.7 60.7#

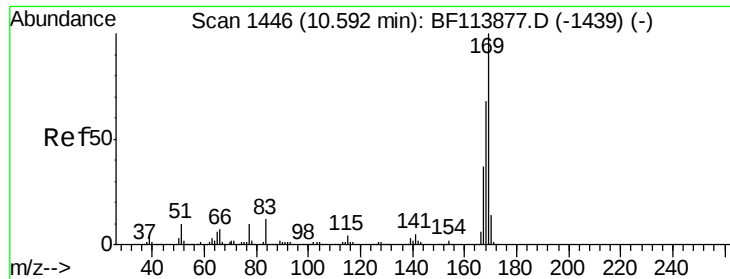


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

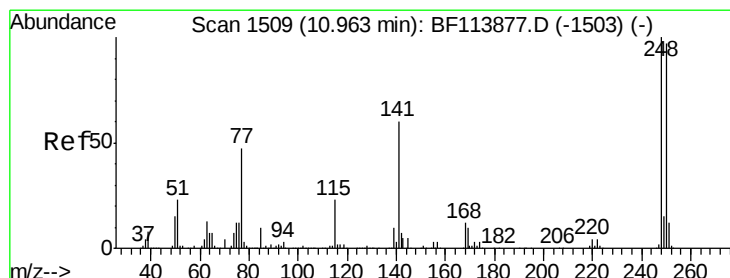
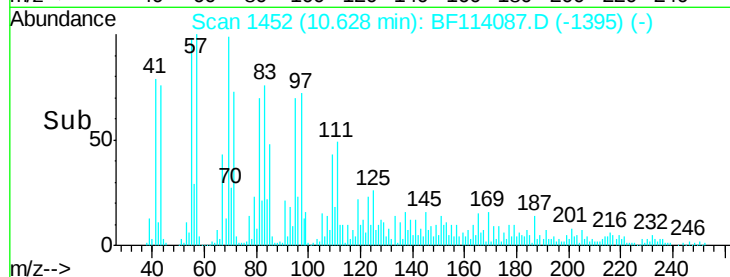
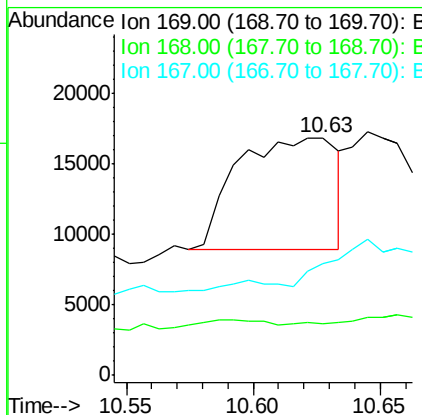
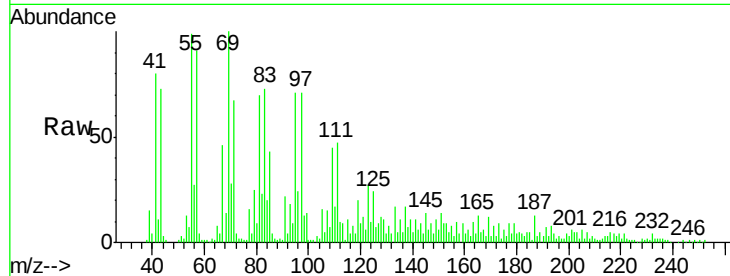




#66
 n-Nitrosodiphenylamine
 Concen: 6.066 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.04 min
 Lab File: BF114087.D
 Acq: 2 May 2019 16:31

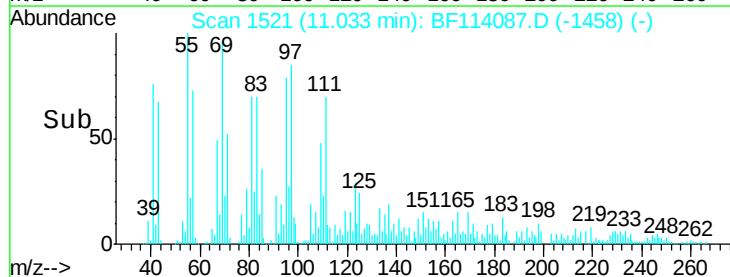
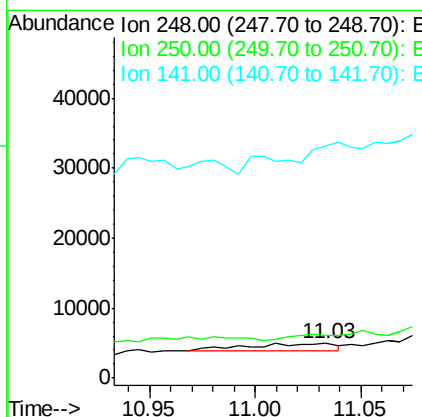
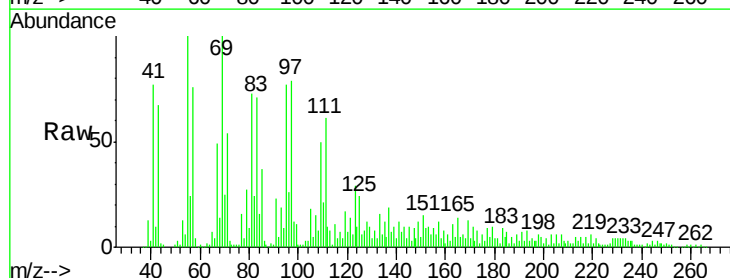
Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

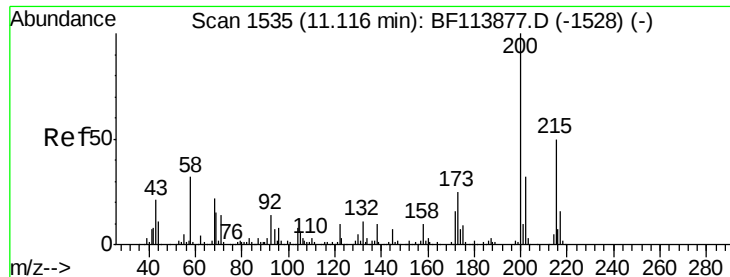
Tot Ion:169 Resp: 21646
 Ion Ratio Lower Upper
 169 100
 168 21.9 54.3 81.5#
 167 47.2 29.4 44.0#



#67
 4-Bromophenyl-phenylether
 Concen: 2.305 ng
 RT: 11.03 min Scan# 1521
 Delta R.T. 0.07 min
 Lab File: BF114087.D
 Acq: 2 May 2019 16:31

Tgt Ion:248 Resp: 3311
 Ion Ratio Lower Upper
 248 100
 250 122.0 75.8 113.6#
 141 666.1 50.2 75.4#





#69

Atrazine

Concen: 3.240 ng

RT: 11.13 min Scan# 1537

Delta R.T. 0.01 min

Lab File: BF114087.D

Acq: 2 May 2019 16:31

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

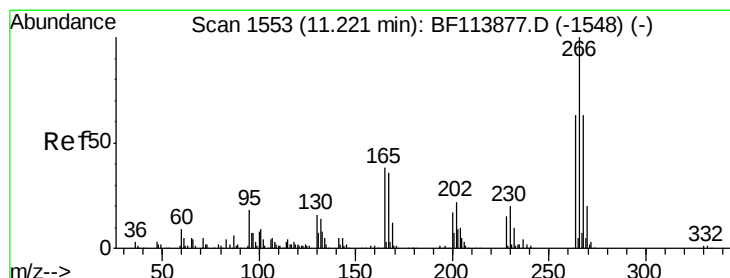
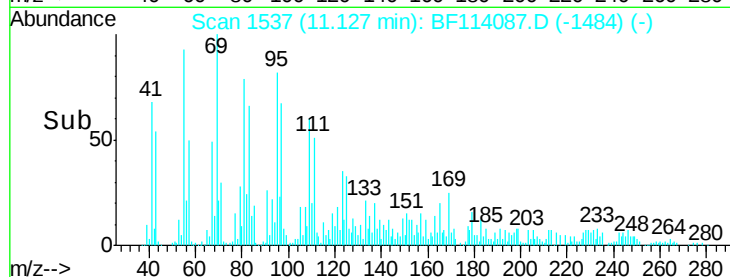
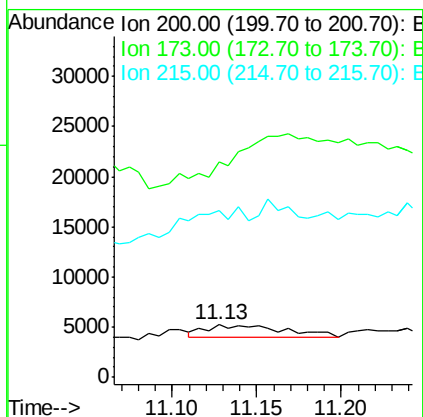
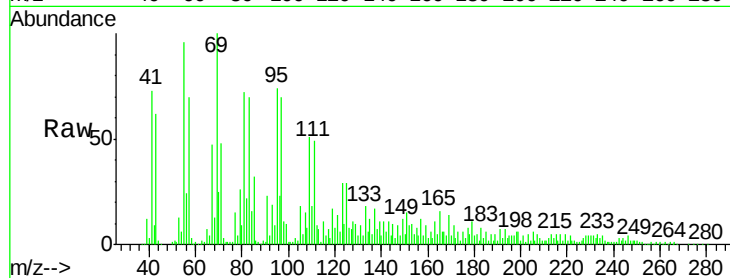
Tot Ion:200 Resp: 3761

Ion Ratio Lower Upper

200 100

173 407.4 5.9 45.9#

215 317.0 29.3 69.3#



#70

Pentachlorophenol

Concen: 9.364 ng

RT: 11.30 min Scan# 1567

Delta R.T. 0.08 min

Lab File: BF114087.D

Acq: 2 May 2019 16:31

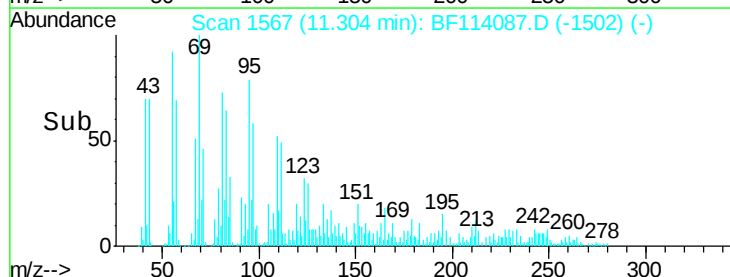
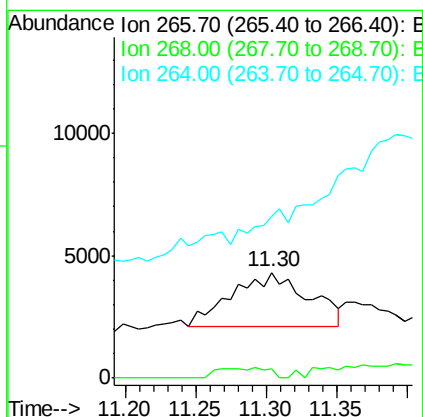
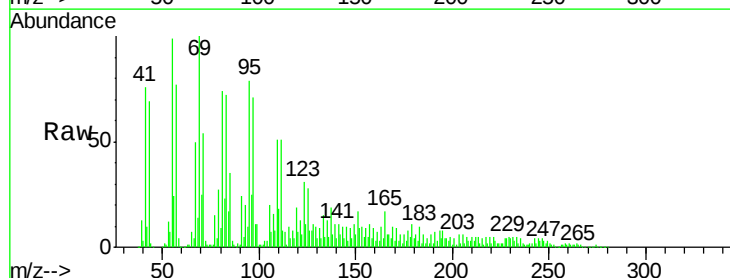
Tgt Ion:266 Resp: 8370

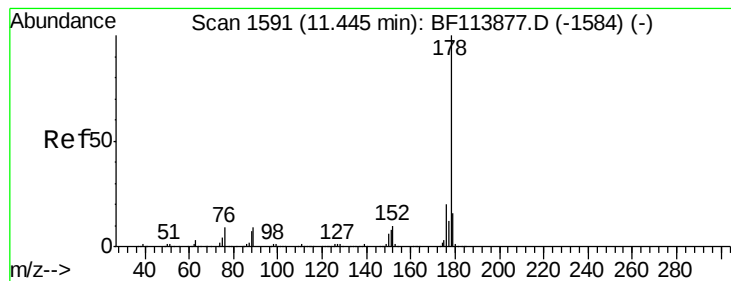
Ion Ratio Lower Upper

266 100

268 8.4 53.5 80.3#

264 152.7 51.0 76.6#





#71

Phenanthrene

Concen: 4.483 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.04 min

Lab File: BF114087.D

Acq: 2 May 2019 16:31

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

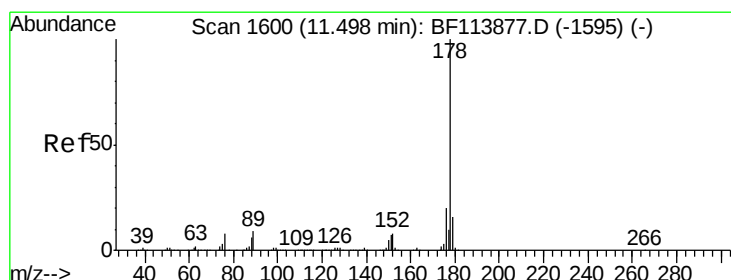
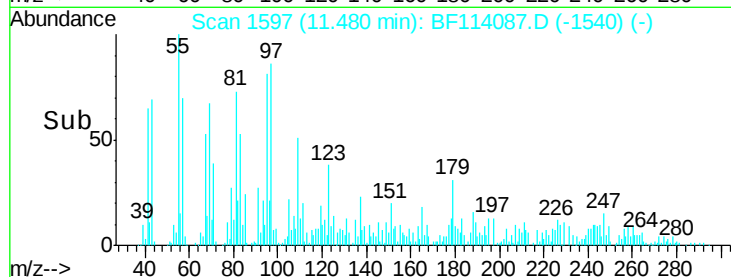
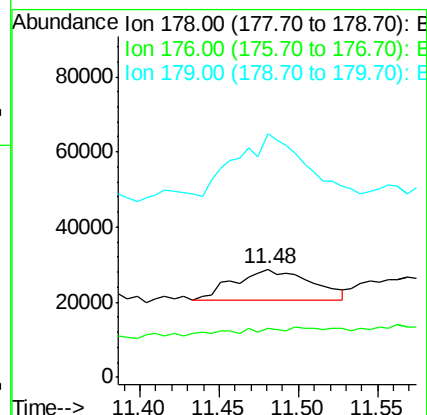
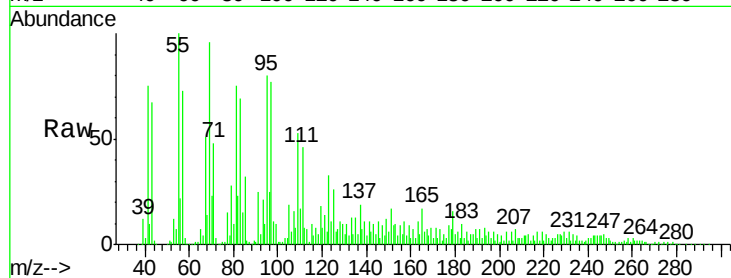
Tot Ion:178 Resp: 26793

Ion Ratio Lower Upper

178 100

176 45.0 16.1 24.1#

179 224.8 12.8 19.2#



#72

Anthracene

Concen: 2.257 ng

RT: 11.59 min Scan# 1616

Delta R.T. 0.09 min

Lab File: BF114087.D

Acq: 2 May 2019 16:31

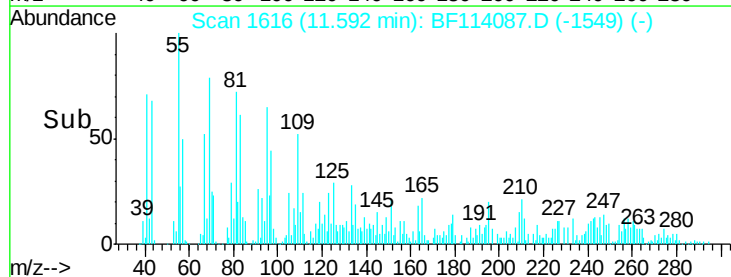
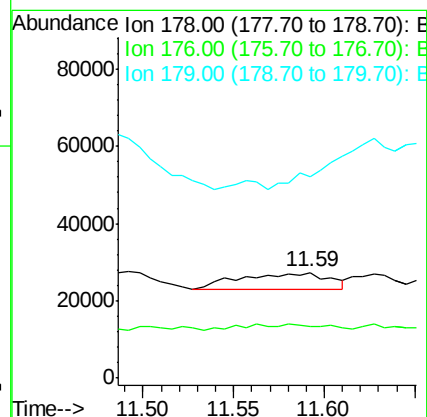
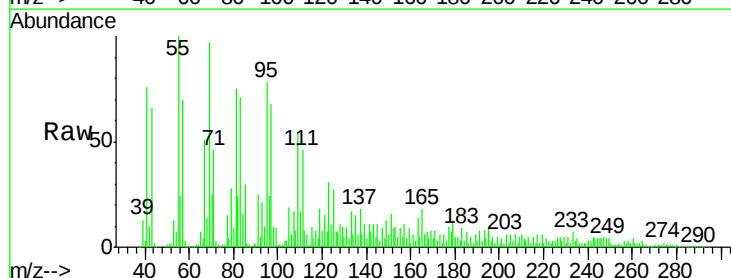
Tgt Ion:178 Resp: 13620

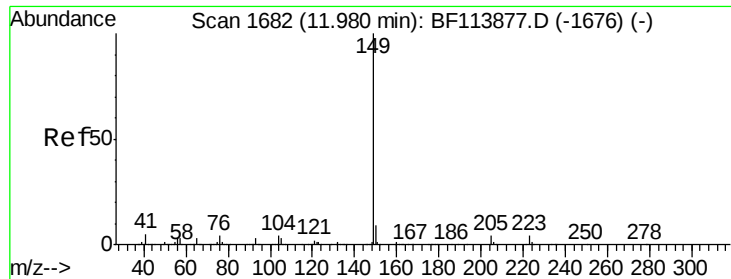
Ion Ratio Lower Upper

178 100

176 48.7 15.7 23.5#

179 191.4 13.0 19.4#





#74

Di-n-butylphthalate

Concen: 9.201 ng

RT: 12.04 min Scan# 1692

Delta R.T. 0.06 min

Lab File: BF114087.D

Acq: 2 May 2019 16:31

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

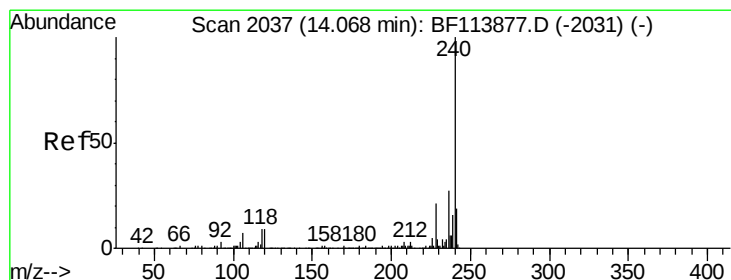
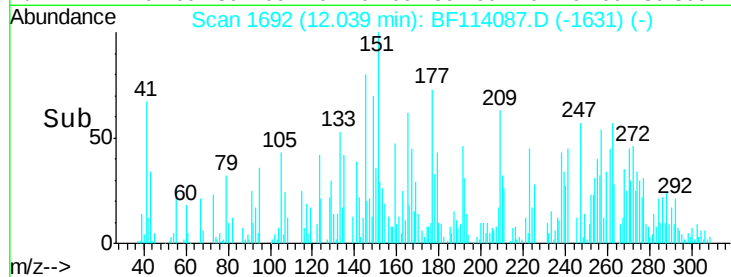
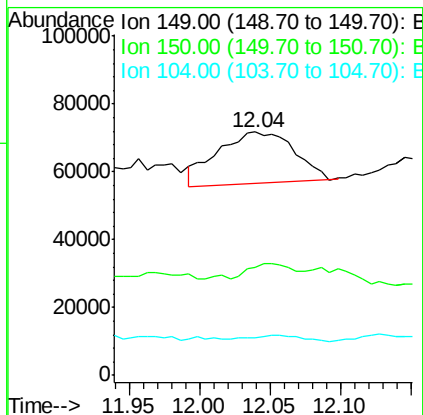
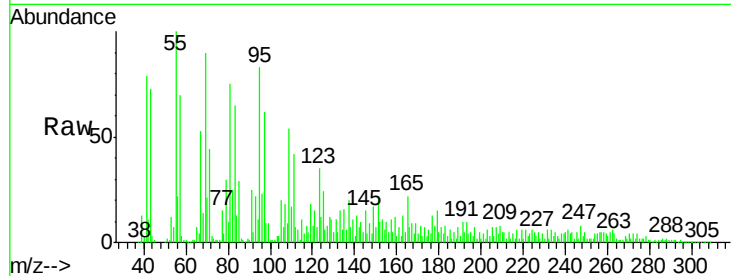
Tot Ion:149 Resp: 58274

Ion Ratio Lower Upper

149 100

150 44.4 7.8 11.8#

104 15.3 3.8 5.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.12 min Scan# 2046

Delta R.T. 0.05 min

Lab File: BF114087.D

Acq: 2 May 2019 16:31

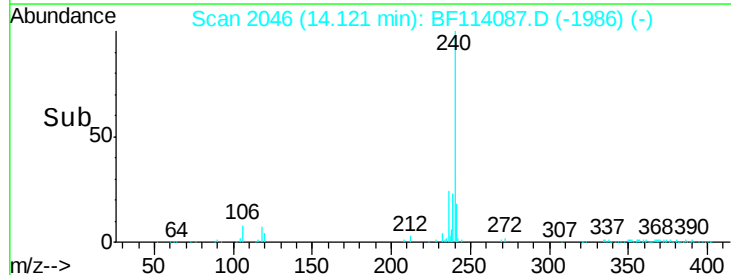
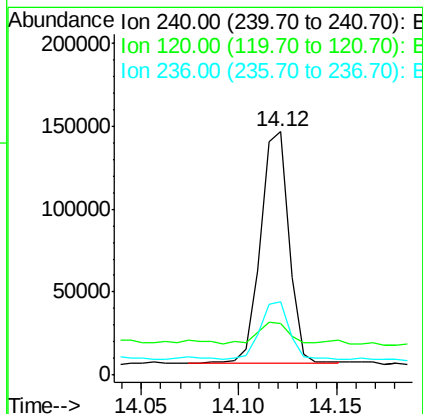
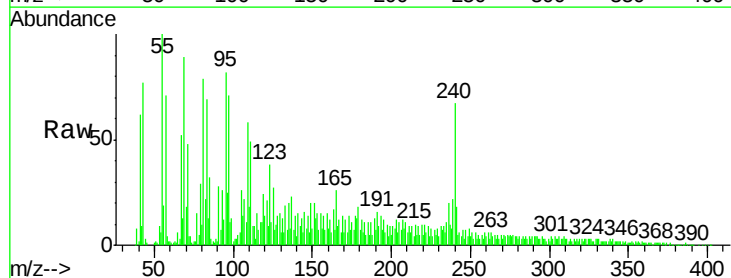
Tgt Ion:240 Resp: 140953

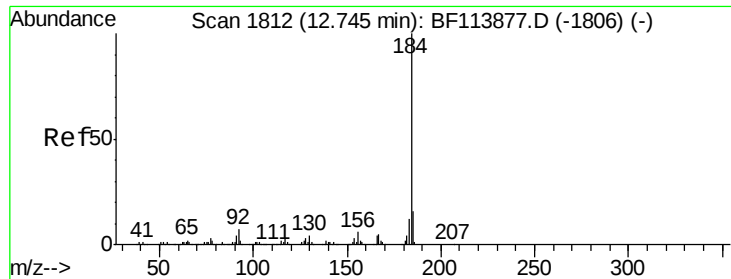
Ion Ratio Lower Upper

240 100

120 21.1 9.3 13.9#

236 30.3 21.2 31.8





#77

Benzidine

Concen: 2.304 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.05 min

Lab File: BF114087.D

Acq: 2 May 2019 16:31

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

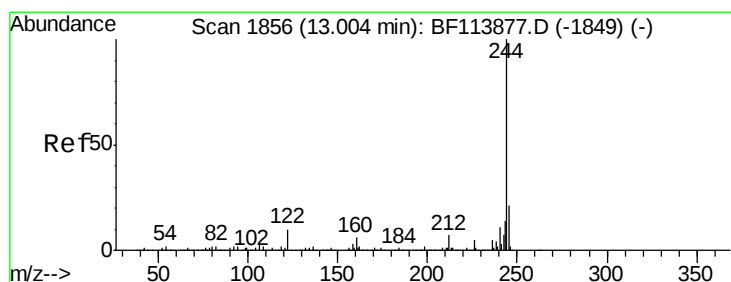
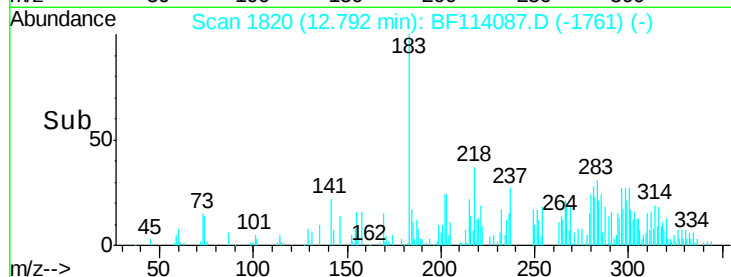
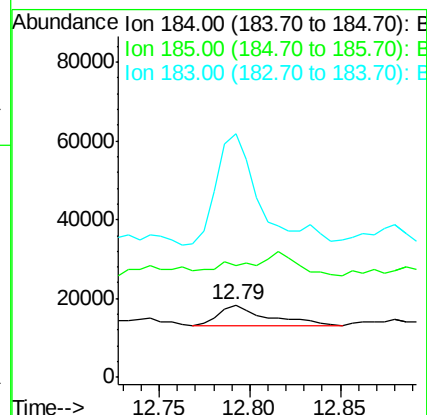
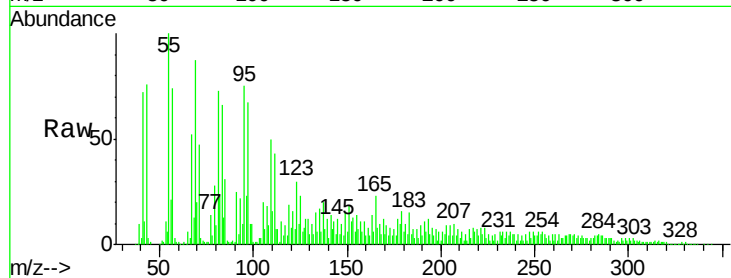
Tot Ion:184 Resp: 9677

Ion Ratio Lower Upper

184 100

185 153.7 13.0 19.6#

183 336.6 9.4 14.0#



#79

Terphenyl-d14

Concen: 50.983 ng

RT: 13.08 min Scan# 1869

Delta R.T. 0.08 min

Lab File: BF114087.D

Acq: 2 May 2019 16:31

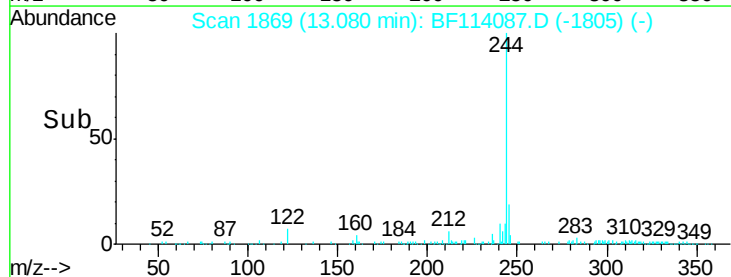
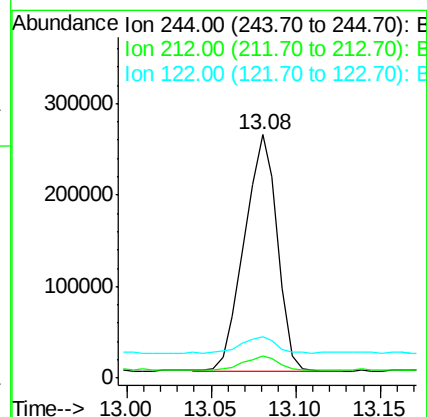
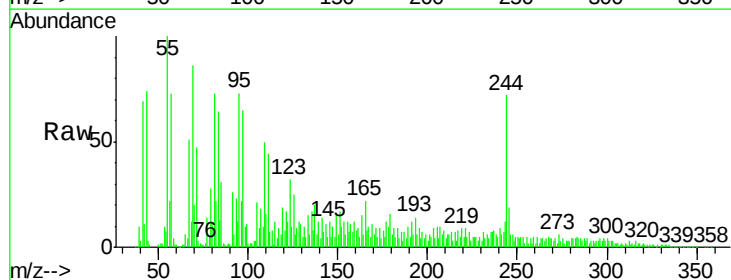
Tgt Ion:244 Resp: 350522

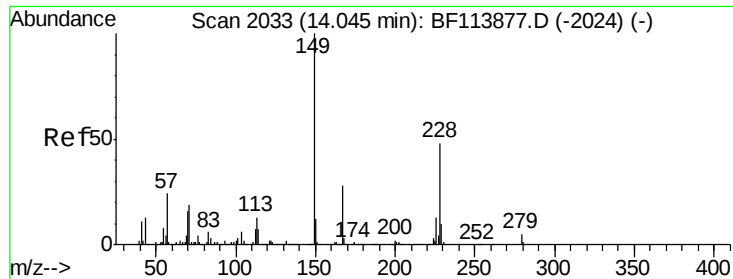
Ion Ratio Lower Upper

244 100

212 8.9 5.4 8.2#

122 17.0 7.6 11.4#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.325 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BF114087.D

Acq: 2 May 2019 16:31

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

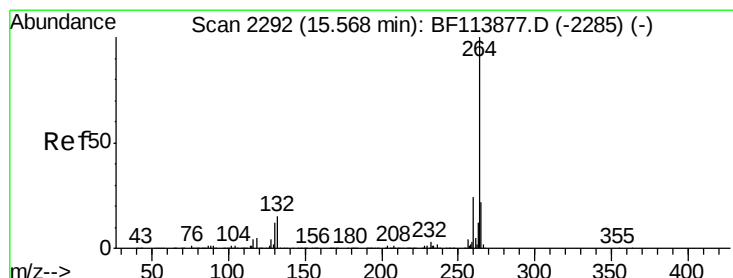
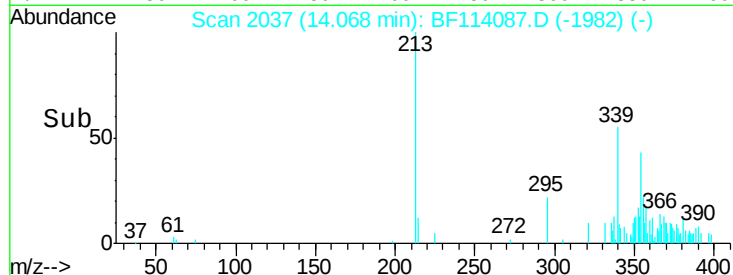
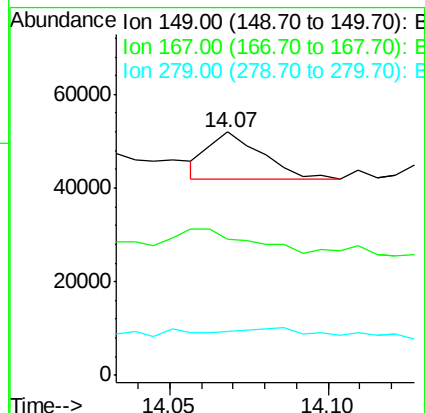
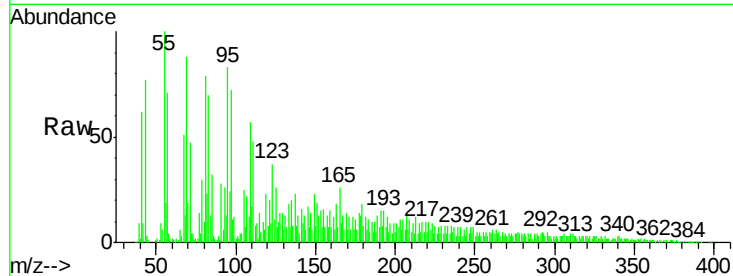
Tot Ion:149 Resp: 11474

Ion Ratio Lower Upper

149 100

167 56.2 22.9 34.3#

279 18.0 4.2 6.2#



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. 0.01 min

Lab File: BF114087.D

Acq: 2 May 2019 16:31

Tgt Ion:264 Resp: 162255

Ion Ratio Lower Upper

264 100

260 25.3 18.9 28.3

265 22.3 17.3 25.9

