

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051319\
 Data File : BF114249.D
 Acq On : 14 May 2019 00:59
 Operator : JU/SJ
 Sample : K2766-06DL 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-0206-01DL

Quant Time: May 14 04:51:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	241010	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	959187	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	452440	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	813896	20.00	ng	0.01
76) Chrysene-d12	14.02	240	585470	20.00	ng	0.00
87) Perylene-d12	15.50	264	558240	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	585996	39.13	ng	0.00
7) Phenol-d6	6.50	99	790348	44.62	ng	0.00
23) Nitrobenzene-d5	7.41	82	469368	27.46	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	172950	36.98	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	781287	26.12	ng	0.00
79) Terphenyl-d14	12.96	244	634525	22.34	ng	0.00

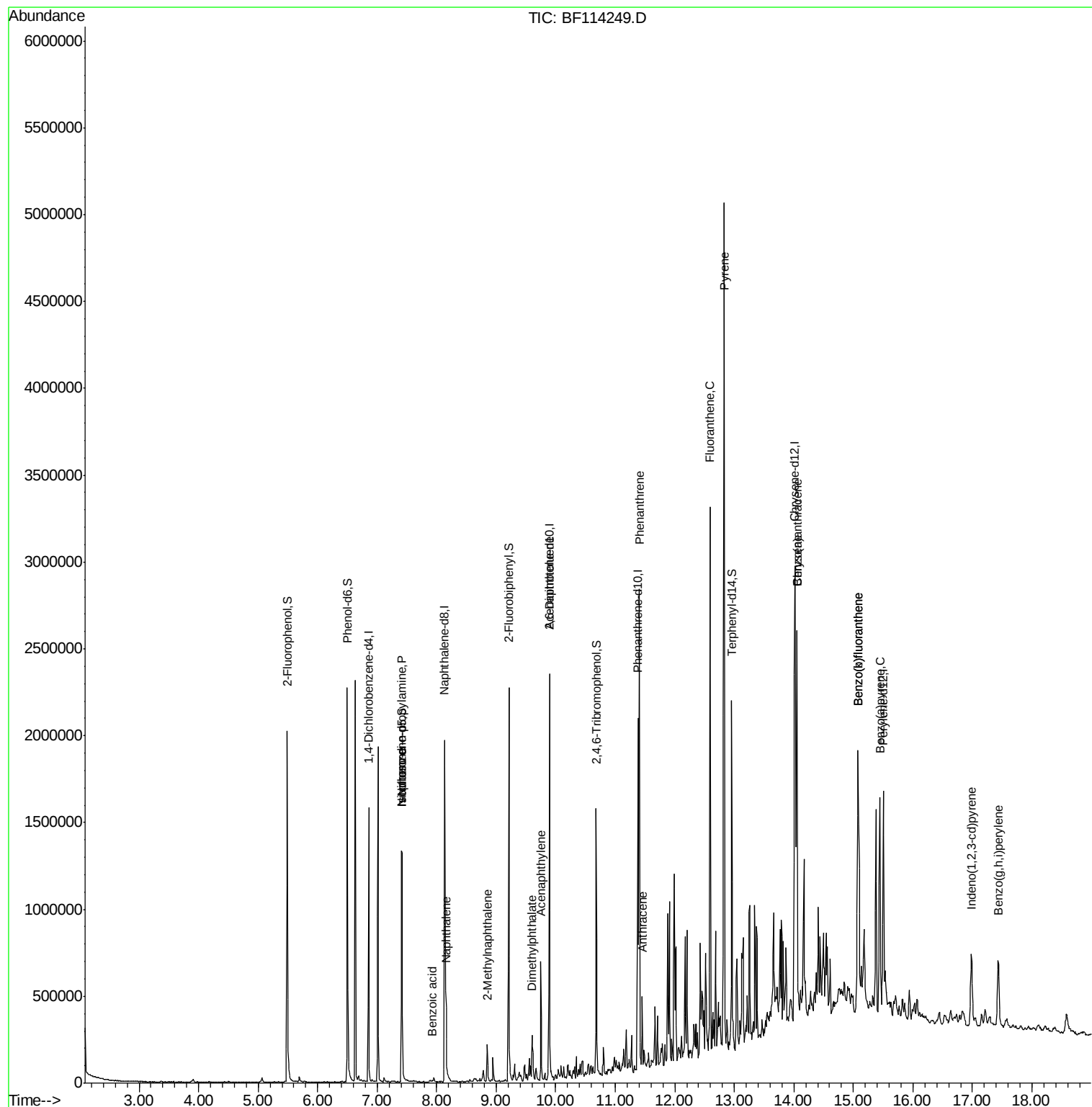
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	59853	5.331	ng	# 78
25) Isophorone	7.41	82	469363	14.807	ng	# 64
31) Naphthalene	8.16	128	149465	3.336	ng	96
32) Benzoic acid	7.92	122	966	7.108	ng	# 79
37) 2-Methylnaphthalene	8.85	142	62446	2.160	ng	94
49) Acenaphthylene	9.75	152	268776	6.008	ng	97
50) Dimethylphthalate	9.60	163	105533	3.177	ng	97
51) 2,6-Dinitrotoluene	9.89	165	60440	8.204	ng	# 22
71) Phenanthrene	11.40	178	1000290	25.262	ng	98
72) Anthracene	11.45	178	163280	4.105	ng	97
75) Fluoranthene	12.59	202	1185238	27.796	ng	98
78) Pyrene	12.83	202	2039215	43.297	ng	100
81) Benzo(a)anthracene	14.05	228	868790	22.943	ng	97
83) Chrysene	14.05	228	868790	23.404	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	291096	8.873	ng	96
88) Benzo(b)fluoranthene	15.07	252	1057058	29.556	ng	# 98
89) Benzo(k)fluoranthene	15.07	252	1057058	32.176	ng	98
90) Benzo(a)pyrene	15.44	252	533401	16.947	ng	97
92) Benzo(g,h,i)perylene	17.43	276	327551	12.497	ng	98

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

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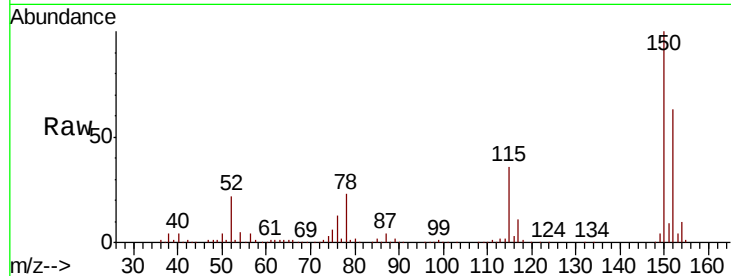


#1

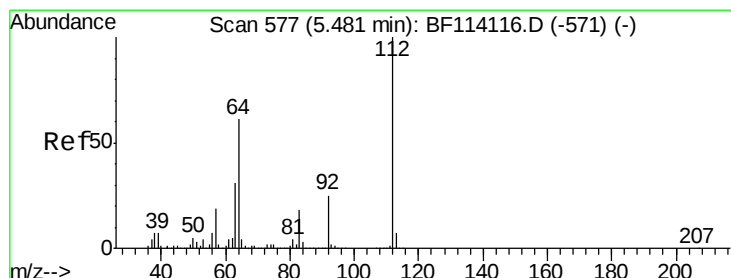
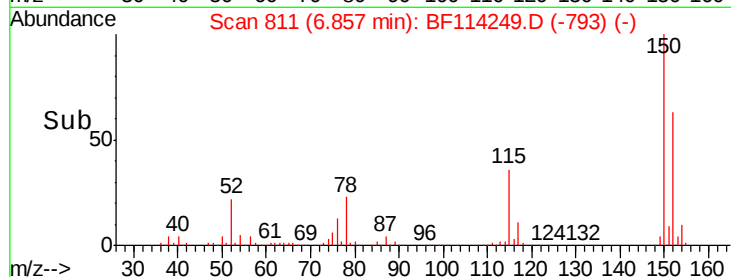
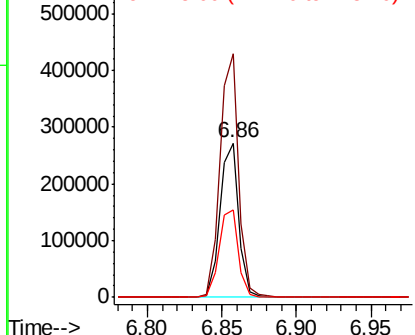
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tgt Ion:152 Resp: 241010
Ion Ratio Lower Upper
152 100
150 157.5 124.3 186.5
115 56.8 49.1 73.7



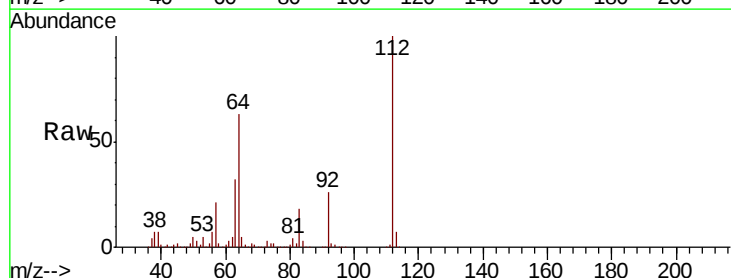
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



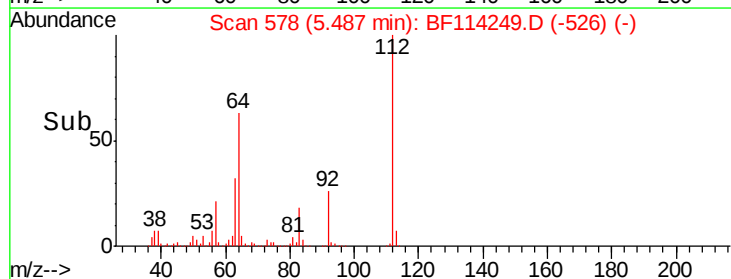
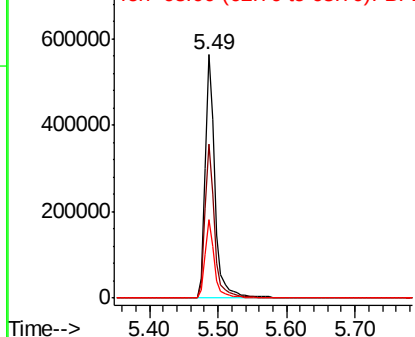
#5

2-Fluorophenol
Concen: 39.128 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion:112 Resp: 585996
Ion Ratio Lower Upper
112 100
64 63.4 49.0 73.6
63 32.4 24.6 37.0



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: 44.619 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

Instrument :

BNA_F

ClientSampleId :

P026-SS007-0206-01DL

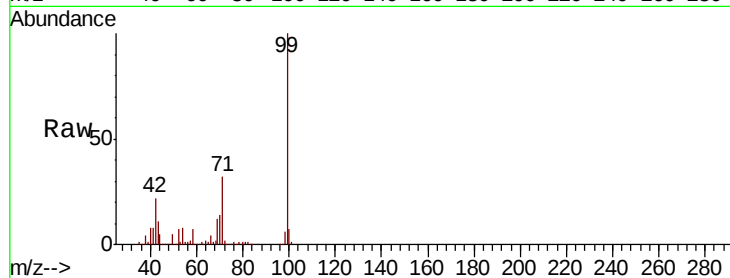
Tgt Ion: 99 Resp: 790348

Ion Ratio Lower Upper

99 100

42 21.6 17.9 26.9

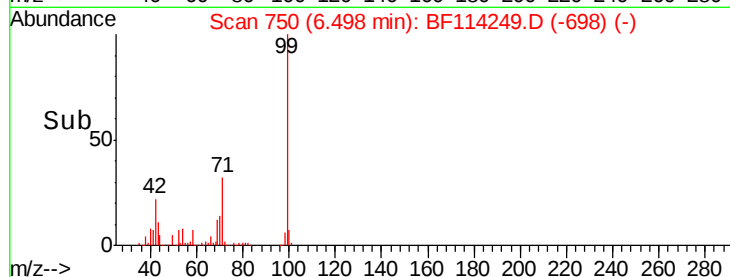
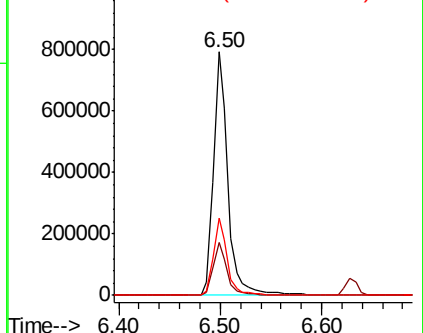
71 31.9 26.2 39.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.331 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

Tgt Ion: 70 Resp: 59853

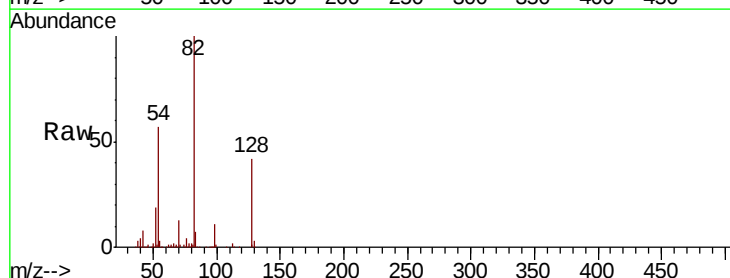
Ion Ratio Lower Upper

70 100

42 60.4 58.6 87.8

101 0.0 7.8 11.8#

130 2.0 17.1 25.7#

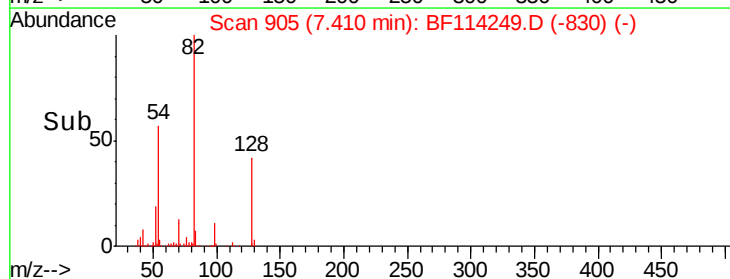
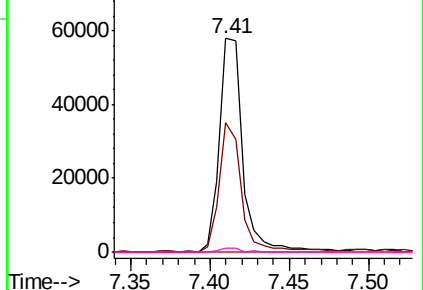


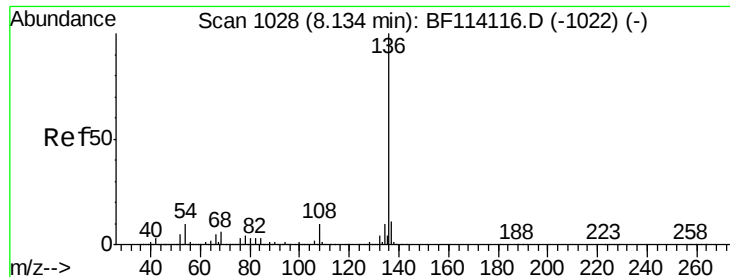
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

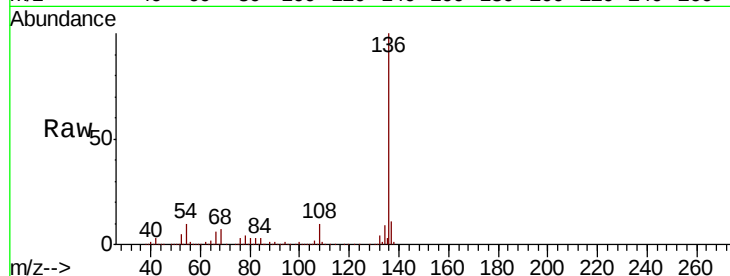




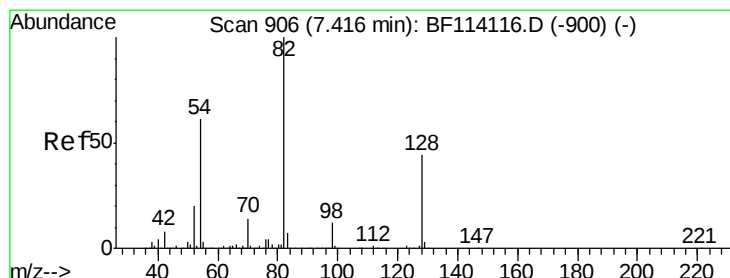
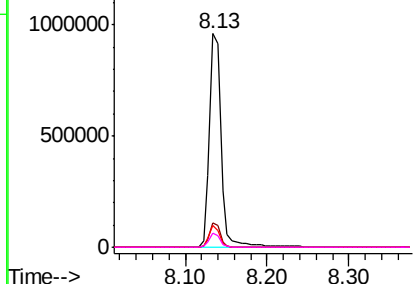
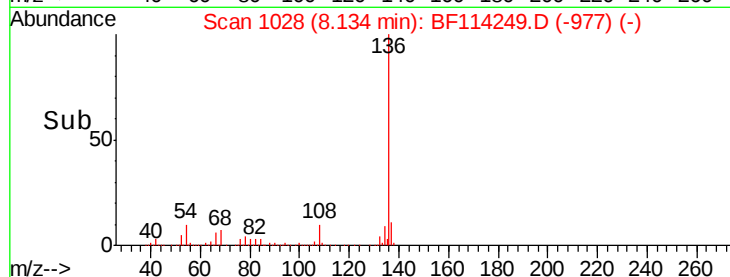
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tgt Ion:	136	Resp:	959187
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	10.2	7.8	11.8
68	6.6	5.1	7.7

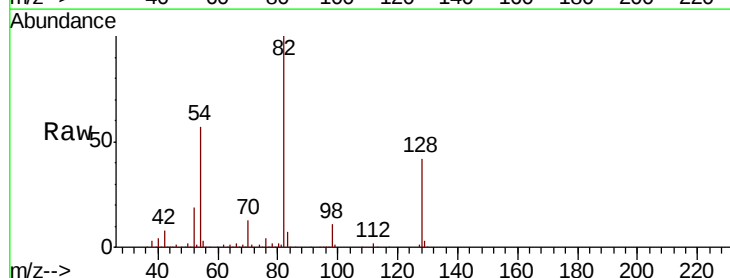


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

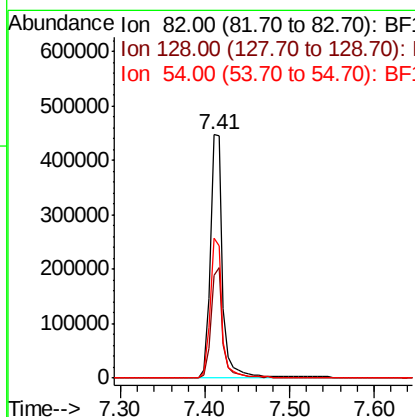
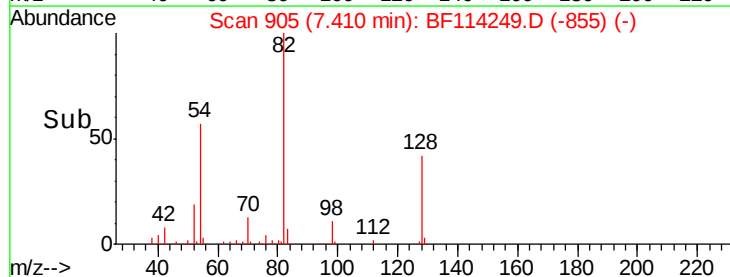


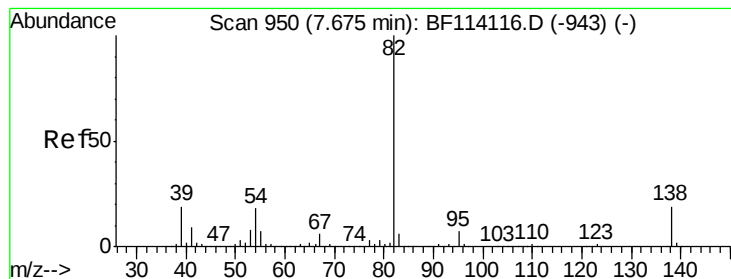
#23
Nitrobenzene-d5
Concen: 27.462 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion:	82	Resp:	469368
Ion	Ratio	Lower	Upper
82	100		
128	42.3	35.5	53.3
54	57.5	48.5	72.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
600000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 14.807 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

Instrument :

BNA_F

ClientSampleId :

P026-SS007-0206-01DL

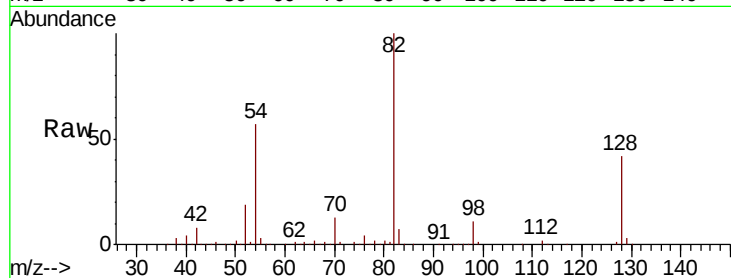
Tgt Ion: 82 Resp: 469363

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

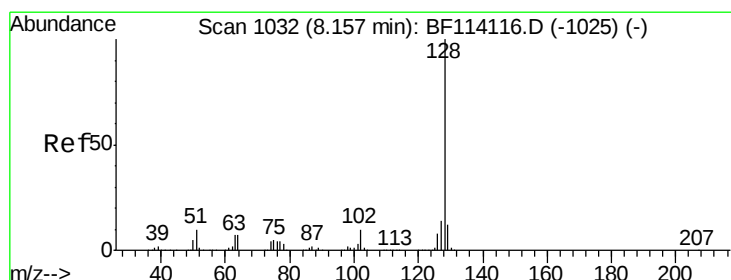
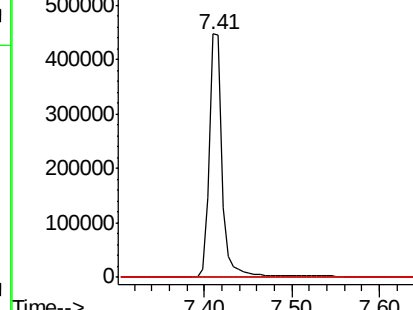
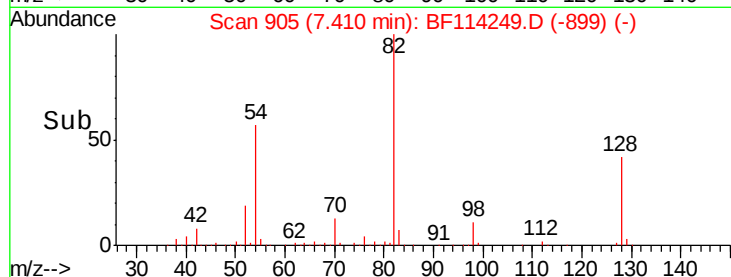
138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 3.336 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

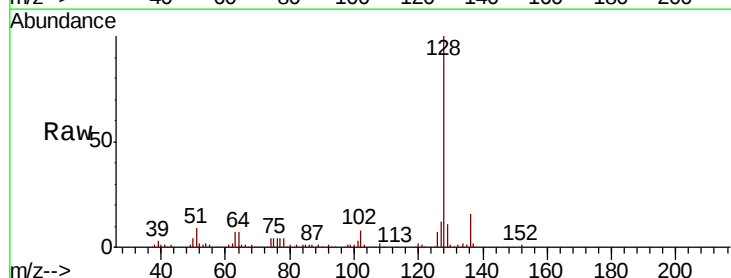
Tgt Ion: 128 Resp: 149465

Ion Ratio Lower Upper

128 100

129 11.3 9.6 14.4

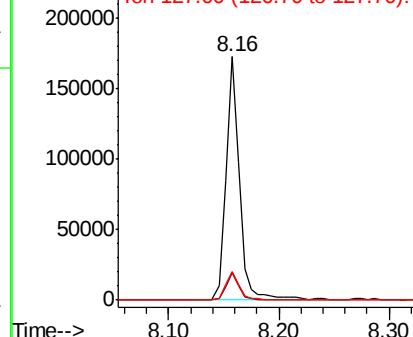
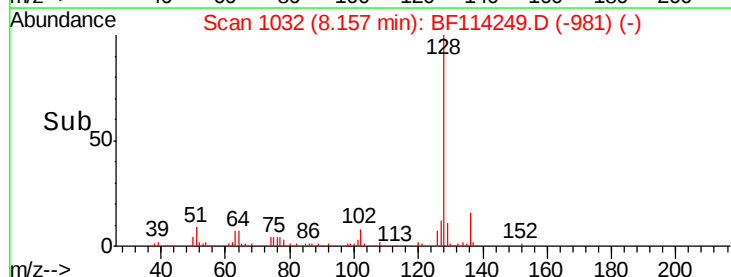
127 11.8 11.3 16.9

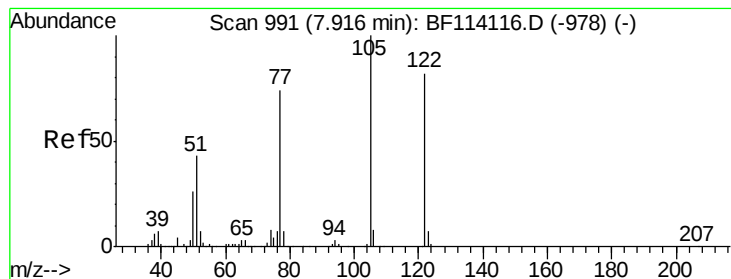


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 7.108 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.00 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

Instrument :

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ClientSampleId :

P026-SS007-0206-01DL

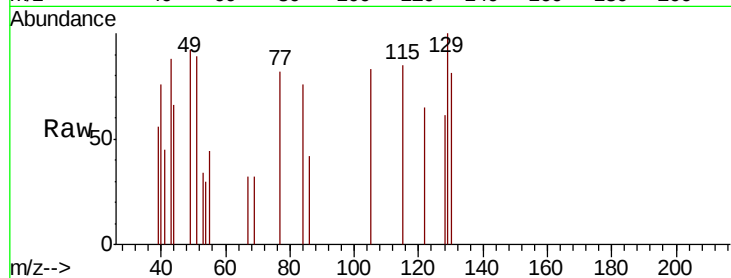
Tgt Ion:122 Resp: 966

Ion Ratio Lower Upper

122 100

105 127.8 99.9 139.9

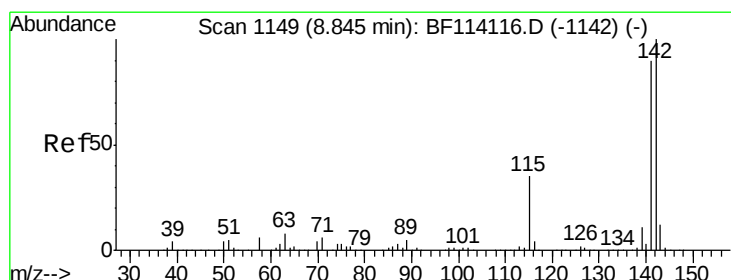
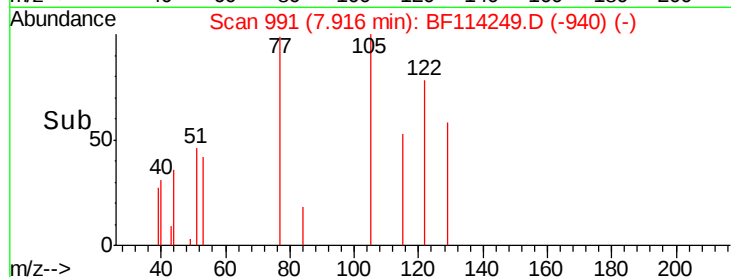
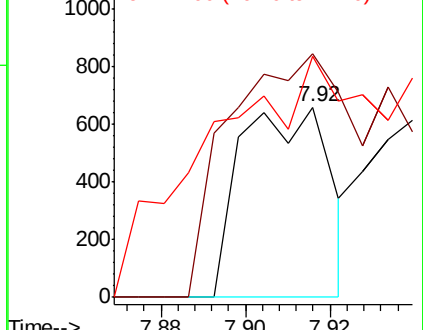
77 126.8 69.4 109.4#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#37

2-Methylnaphthalene

Concen: 2.160 ng

RT: 8.85 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

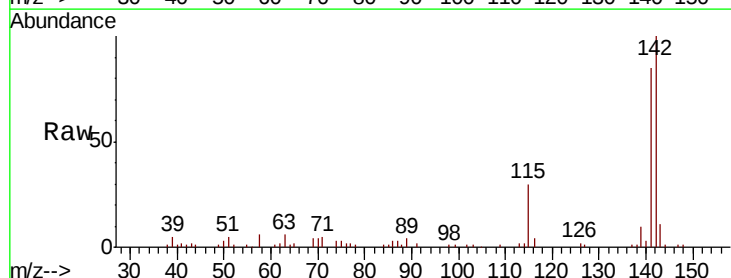
Tgt Ion:142 Resp: 62446

Ion Ratio Lower Upper

142 100

141 85.3 72.1 108.1

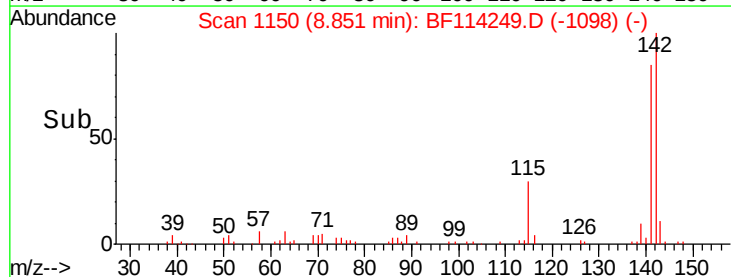
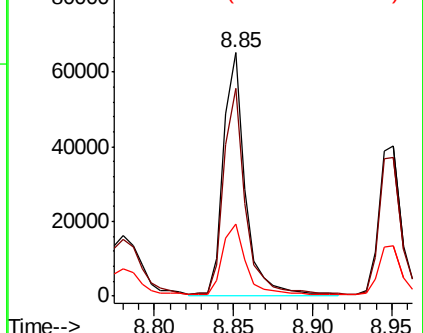
115 29.8 28.0 42.0

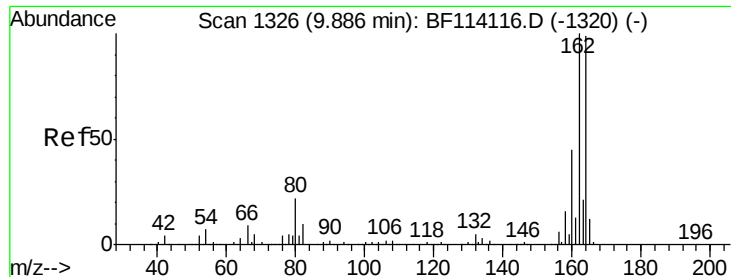


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

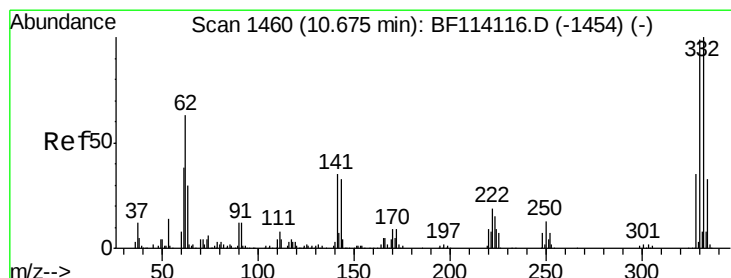
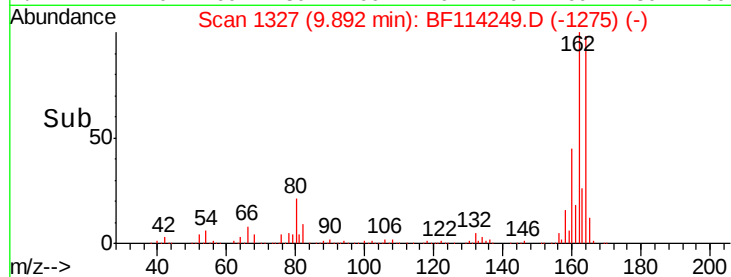
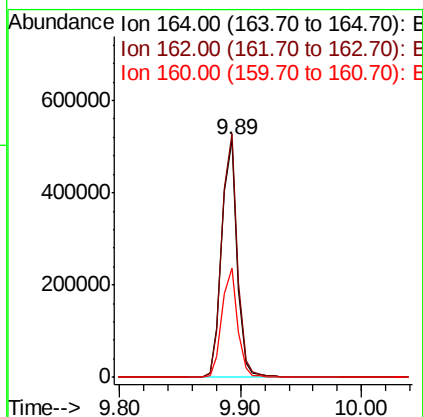
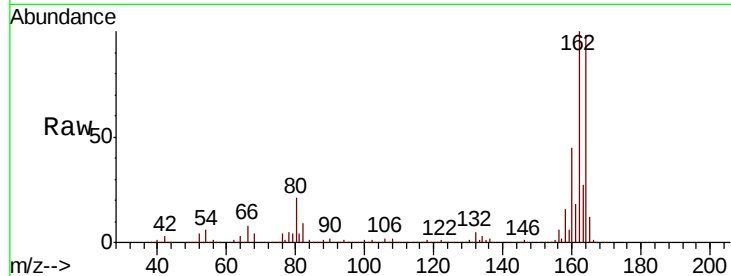




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

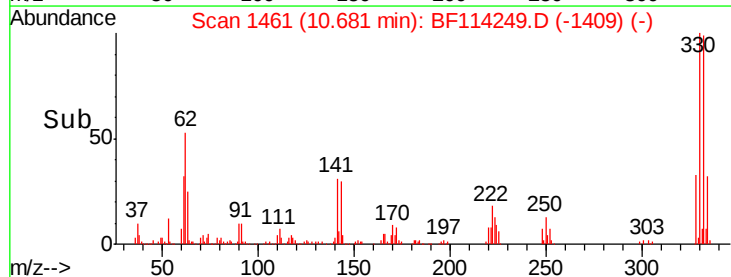
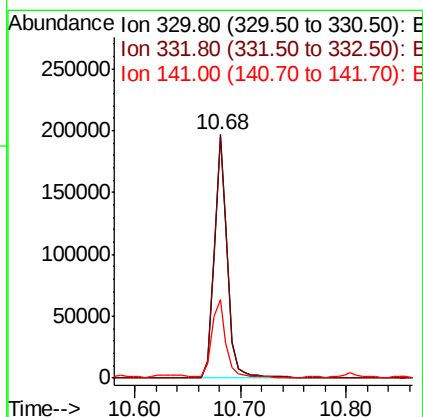
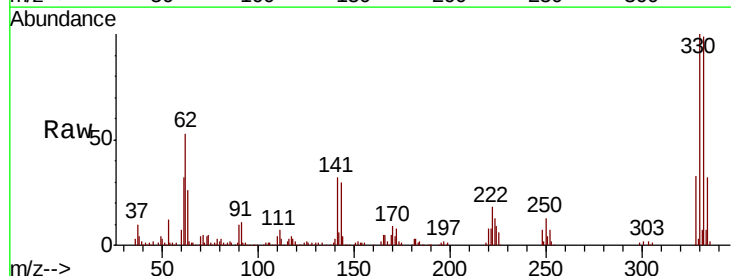
Instrument :
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P026-SS007-0206-01DL

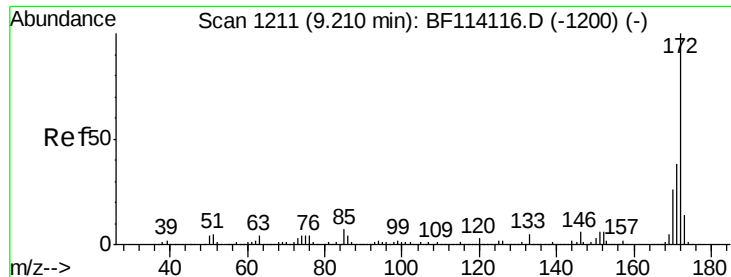
Tgt Ion:164 Resp: 452440
Ion Ratio Lower Upper
164 100
162 102.6 80.6 120.8
160 46.1 36.5 54.7



#42
2,4,6-Tribromophenol
Concen: 36.975 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion:330 Resp: 172950
Ion Ratio Lower Upper
330 100
332 100.1 81.4 122.2
141 34.4 26.6 40.0

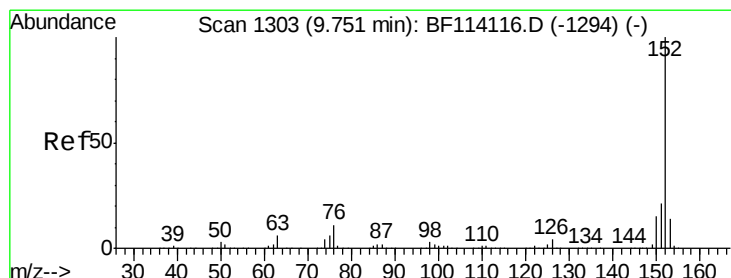
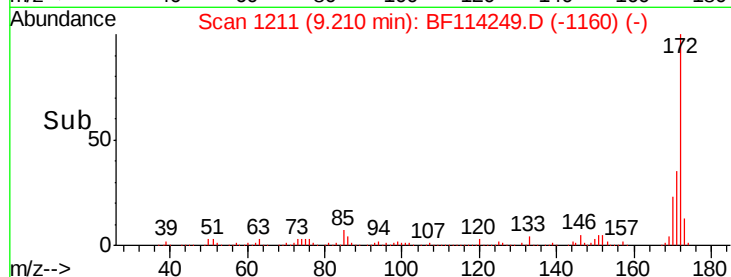
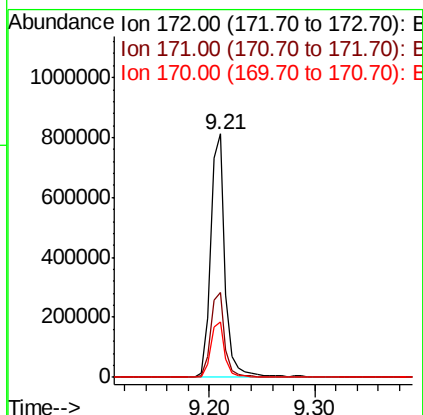
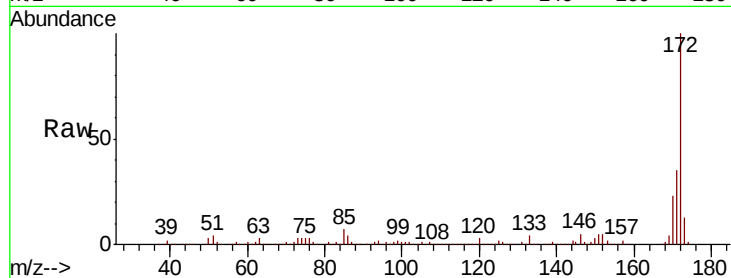




#45
 2-Fluorobiphenyl
 Concen: 26.121 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF114249.D
 Acq: 14 May 2019 00:59

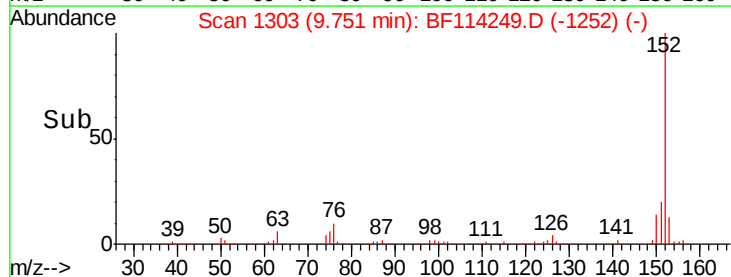
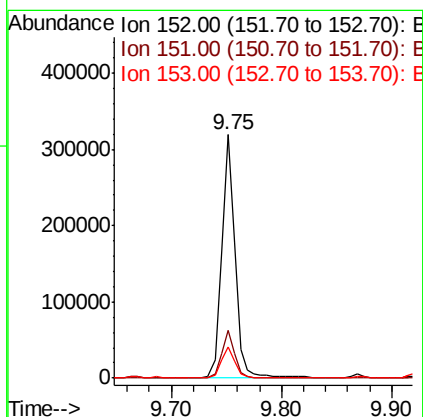
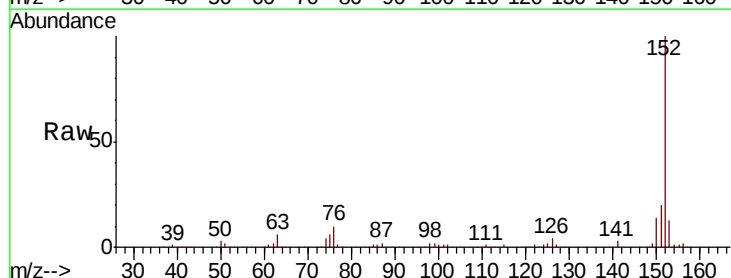
Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-0206-01DL

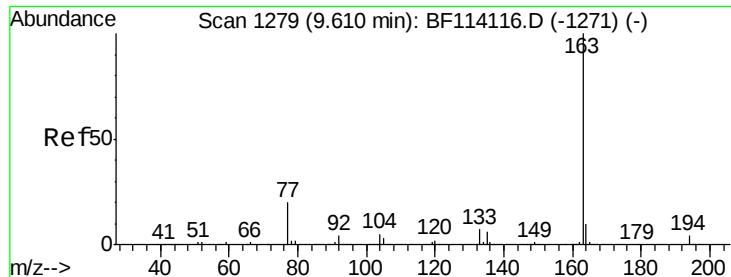
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	30.7	46.1
170	22.9	20.5	30.7



#49
 Acenaphthylene
 Concen: 6.008 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BF114249.D
 Acq: 14 May 2019 00:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.8	25.2
153	12.7	11.4	17.2

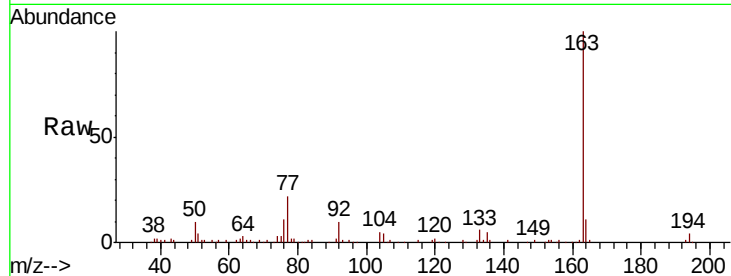




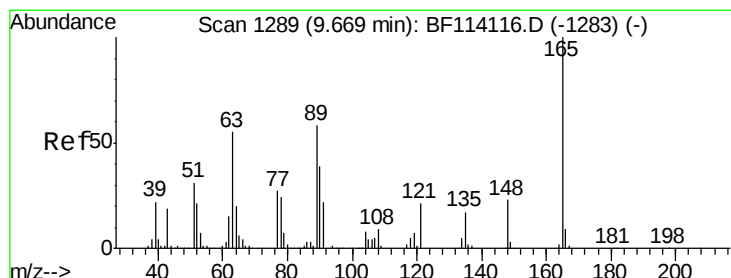
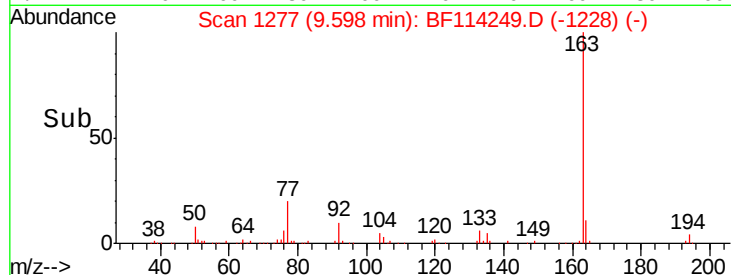
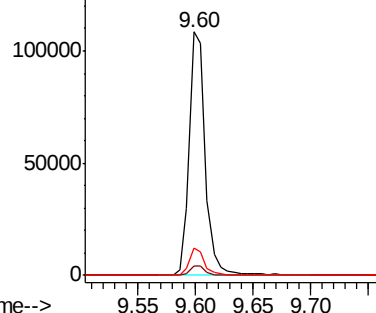
#50
Dimethylphthalate
Concen: 3.177 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	11.4	8.2	12.2

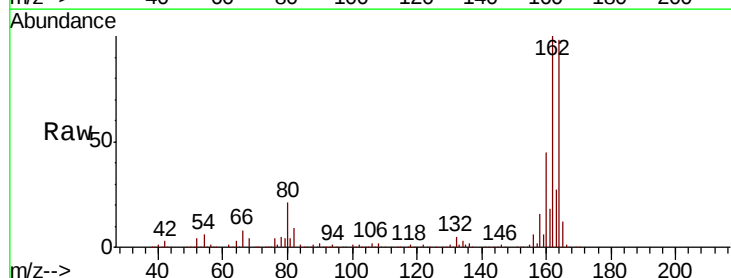


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

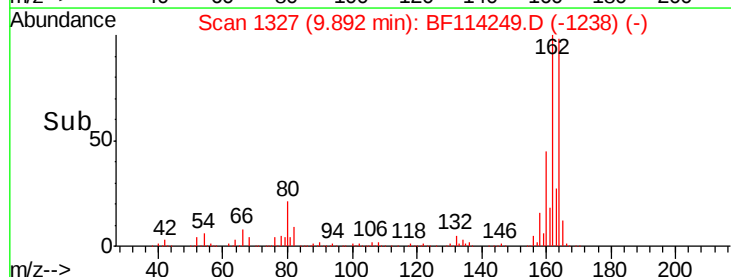
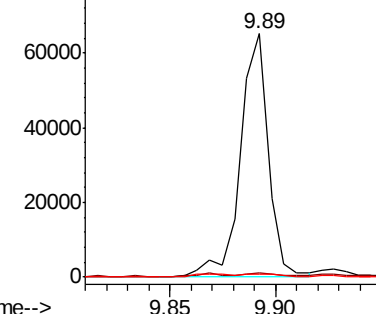


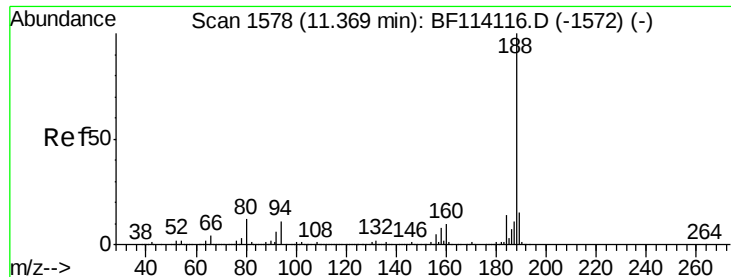
#51
2,6-Dinitrotoluene
Concen: 8.204 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.22 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	50.2	75.4#
89	1.2	46.6	69.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

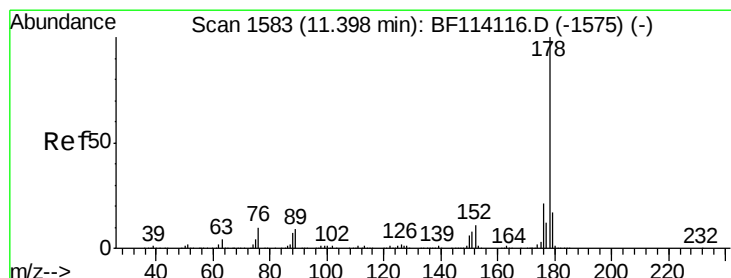
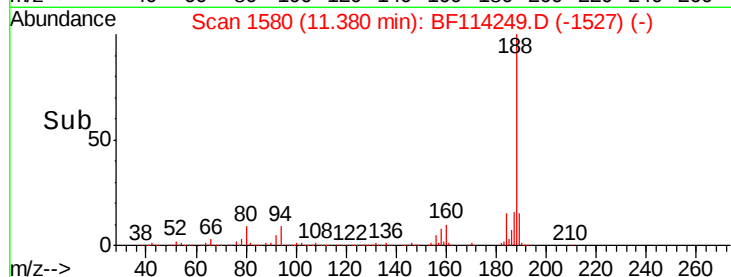
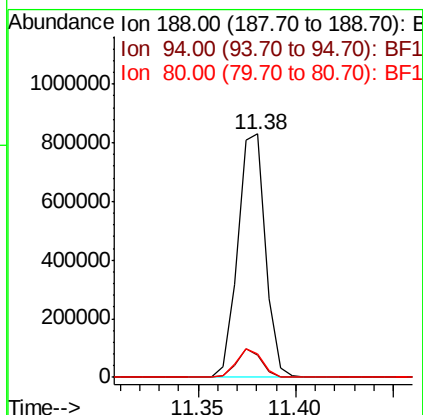
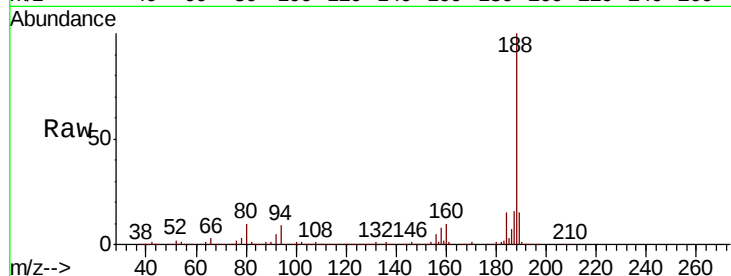




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

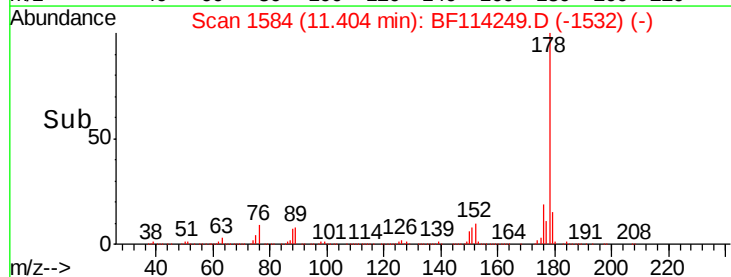
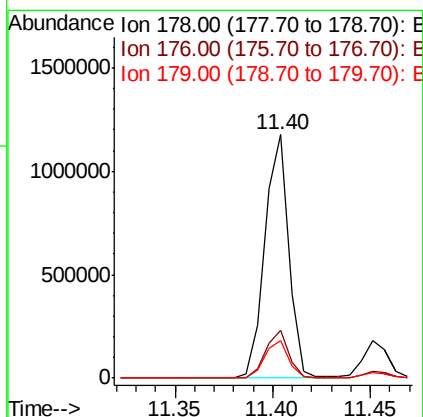
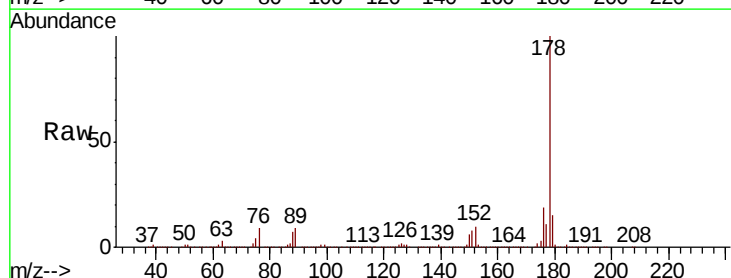
Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

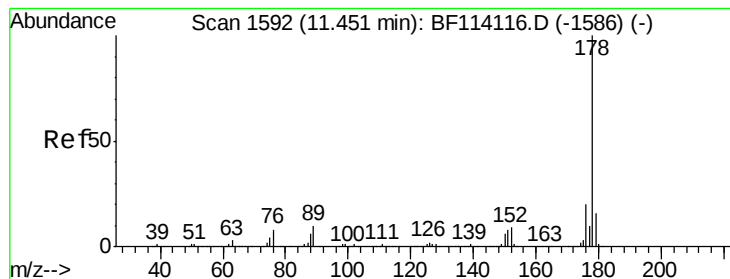
Tgt Ion:188 Resp: 813896
Ion Ratio Lower Upper
188 100
94 9.3 8.4 12.6
80 9.5 9.2 13.8



#71
Phenanthrene
Concen: 25.262 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion:178 Resp: 1000290
Ion Ratio Lower Upper
178 100
176 19.5 16.4 24.6
179 15.4 13.2 19.8





#72

Anthracene

Concen: 4.105 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

Instrument :

BNA_F

ClientSampleId :

P026-SS007-0206-01DL

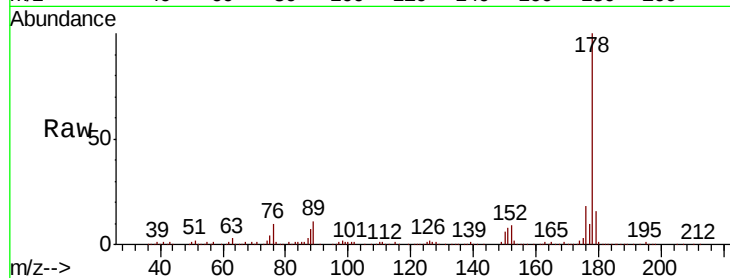
Tgt Ion:178 Resp: 163280

Ion Ratio Lower Upper

178 100

176 17.9 15.8 23.8

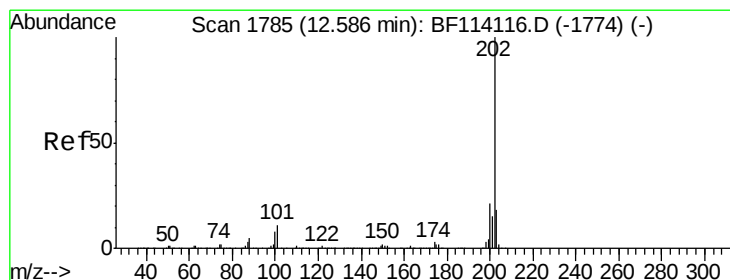
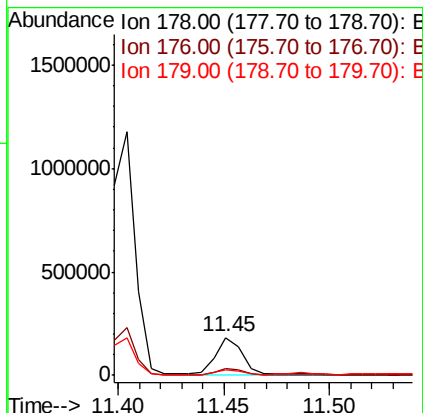
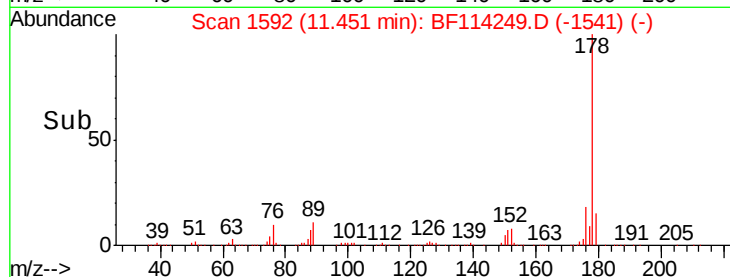
179 15.8 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 27.796 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

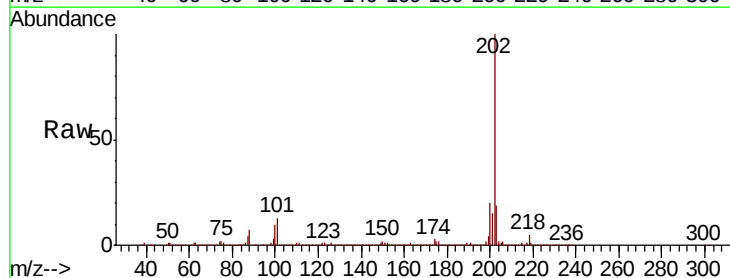
Tgt Ion:202 Resp: 1185238

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.0

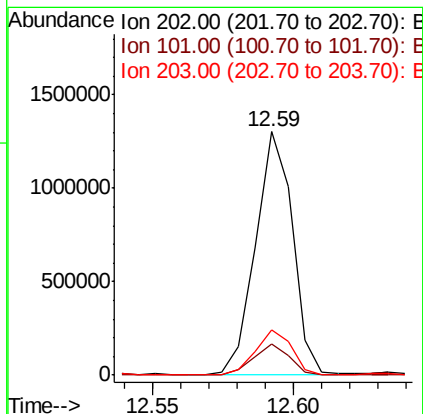
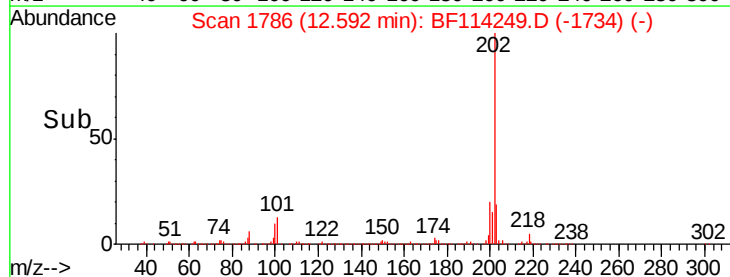
203 18.6 0.0 38.4

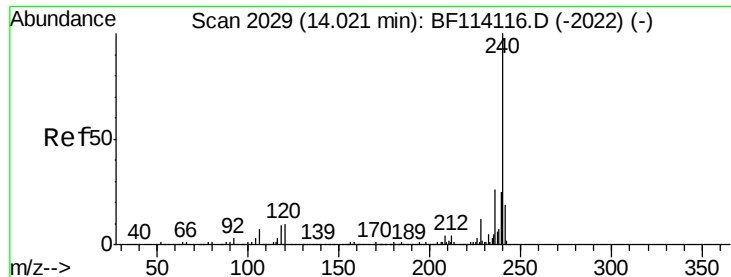


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

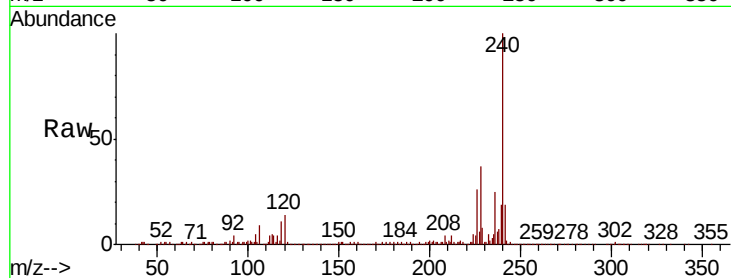




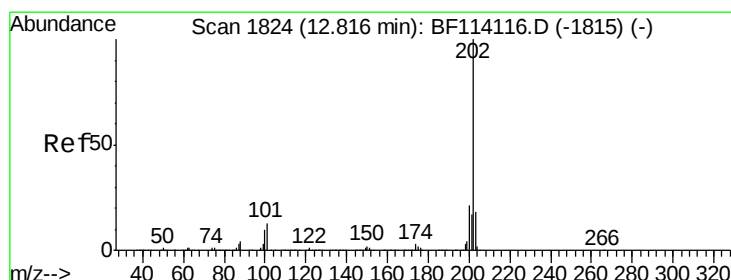
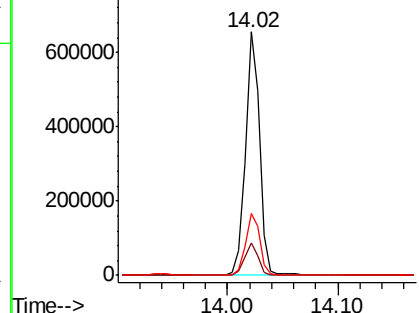
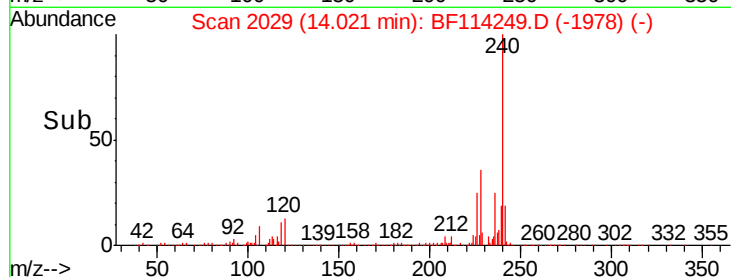
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tgt Ion:240 Resp: 585470
Ion Ratio Lower Upper
240 100
120 13.5 8.3 12.5#
236 25.4 20.8 31.2

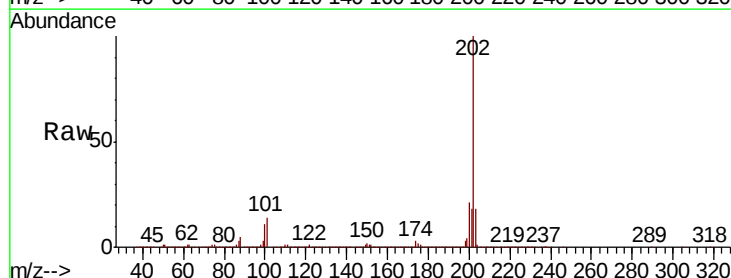


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

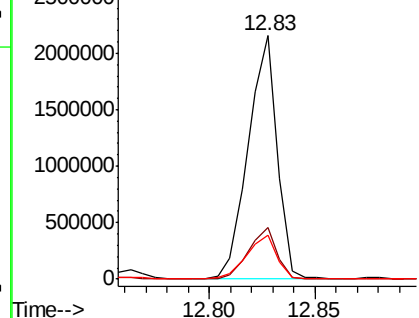
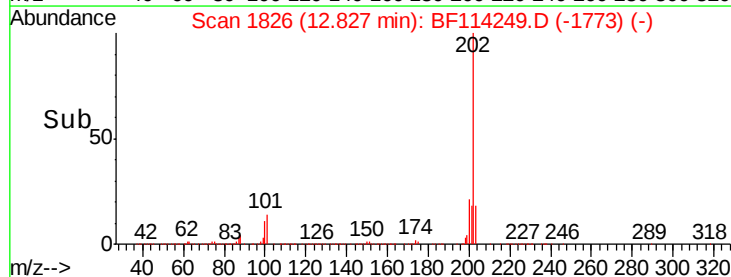


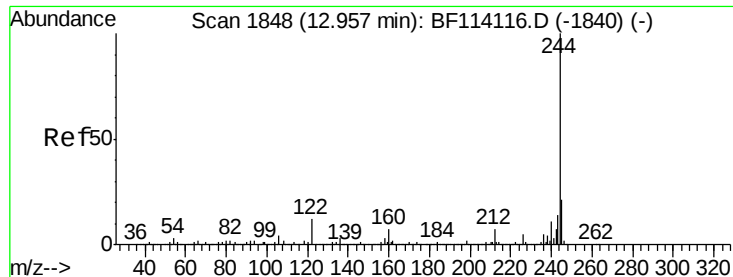
#78
Pyrene
Concen: 43.297 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion:202 Resp: 2039215
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 18.2 14.5 21.7



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

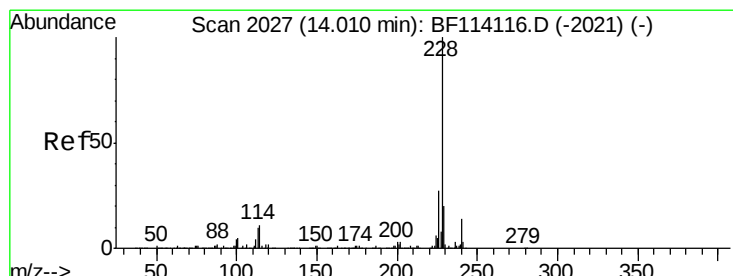
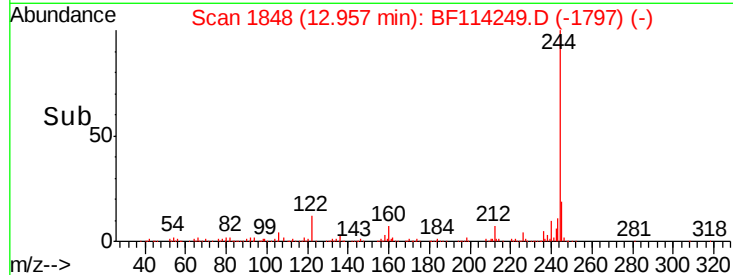
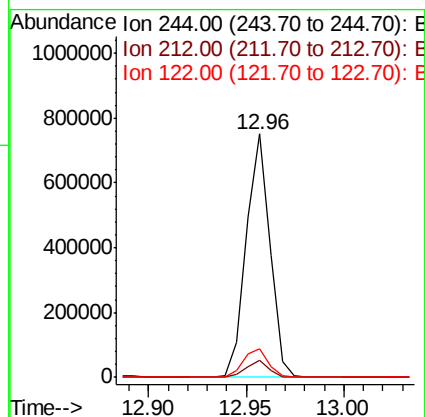
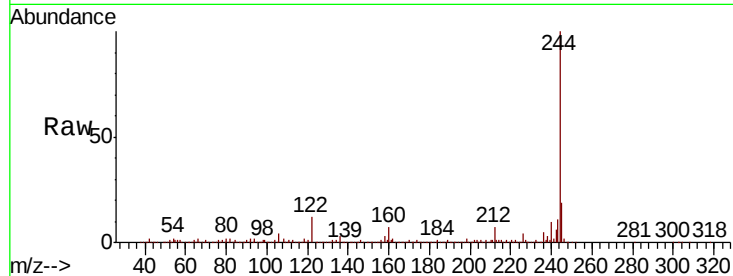




#79
 Terphenyl-d14
 Concen: 22.342 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BF114249.D
 Acq: 14 May 2019 00:59

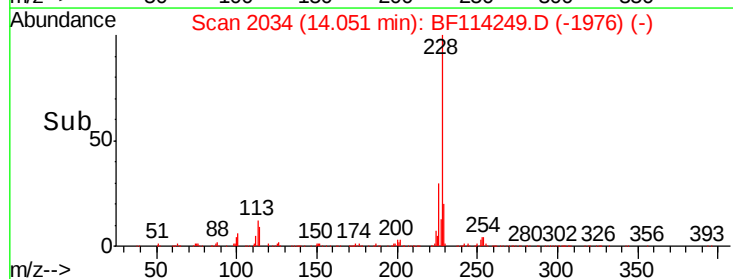
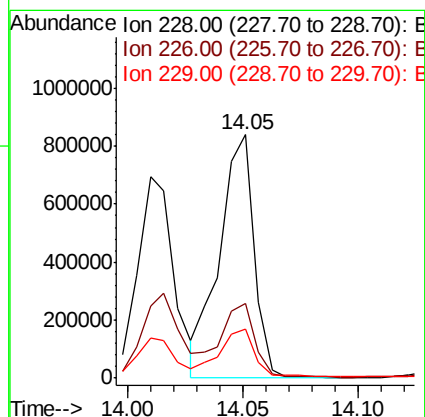
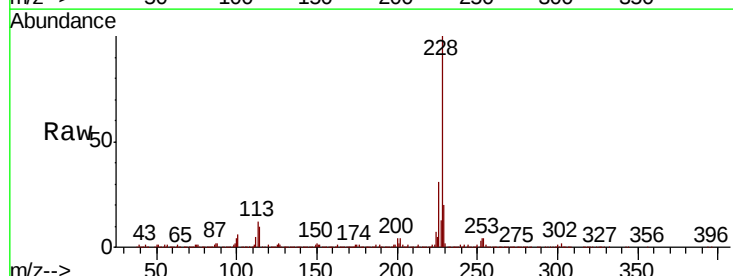
Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-0206-01DL

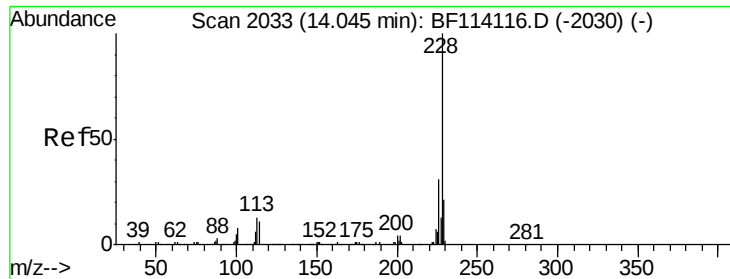
Tgt Ion: 244 Resp: 634525
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 11.9 9.4 14.2



#81
 Benzo(a)anthracene
 Concen: 22.943 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.04 min
 Lab File: BF114249.D
 Acq: 14 May 2019 00:59

Tgt Ion: 228 Resp: 868790
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.2 33.2
 229 20.2 16.4 24.6





#83

Chrysene

Concen: 23.404 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

Instrument :

BNA_F

ClientSampleId :

P026-SS007-0206-01DL

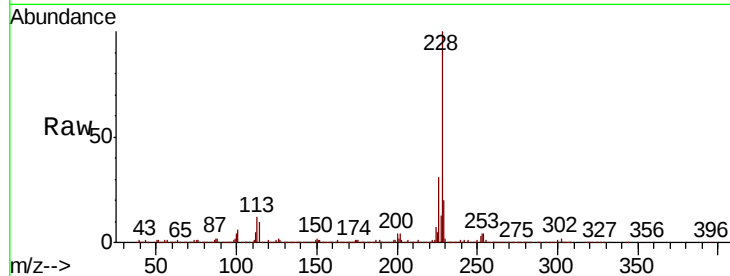
Tgt Ion:228 Resp: 868790

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

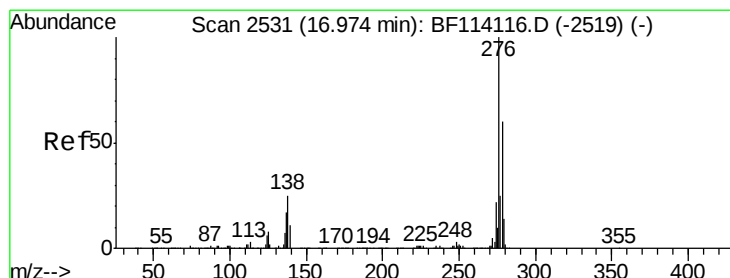
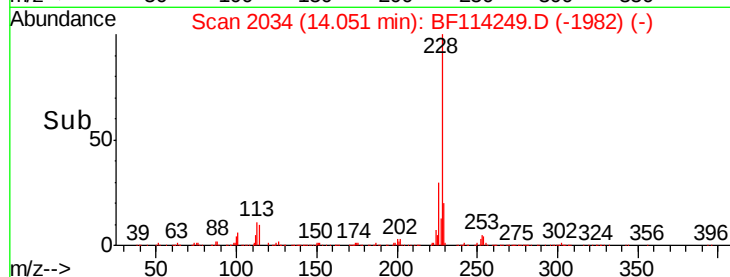
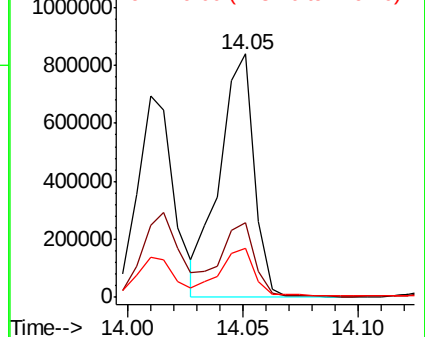
229 20.2 17.0 25.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 8.873 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

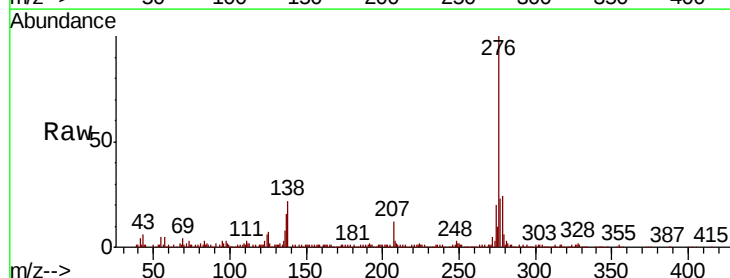
Tgt Ion:276 Resp: 291096

Ion Ratio Lower Upper

276 100

138 22.7 20.2 30.2

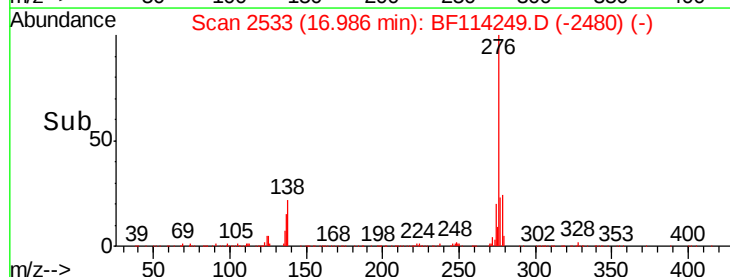
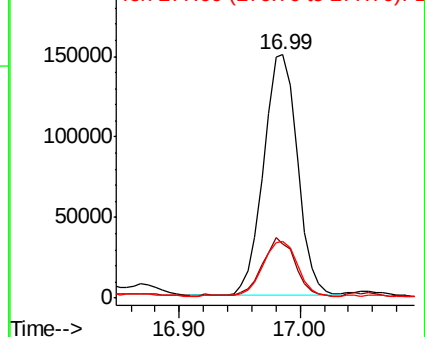
277 23.9 20.0 30.0

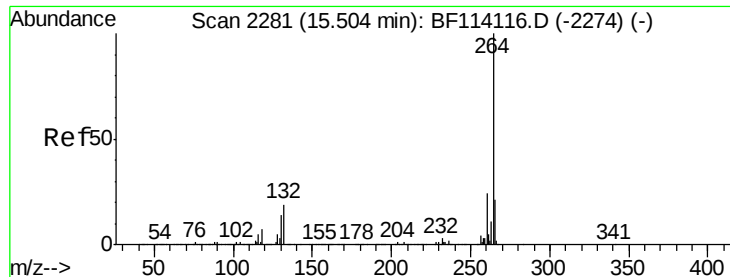


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.00 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

Instrument :

BNA_F

ClientSampleId :

P026-SS007-0206-01DL

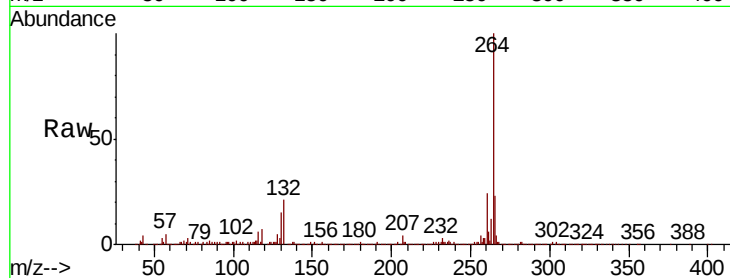
Tgt Ion:264 Resp: 558240

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.0

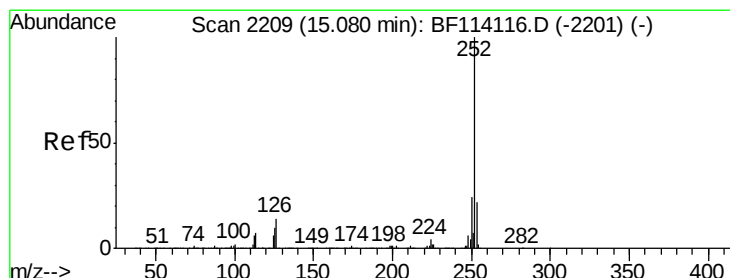
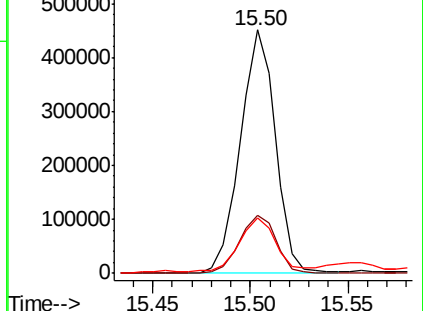
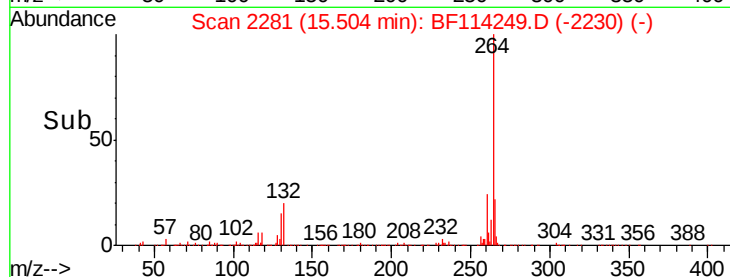
265 22.6 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 29.556 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

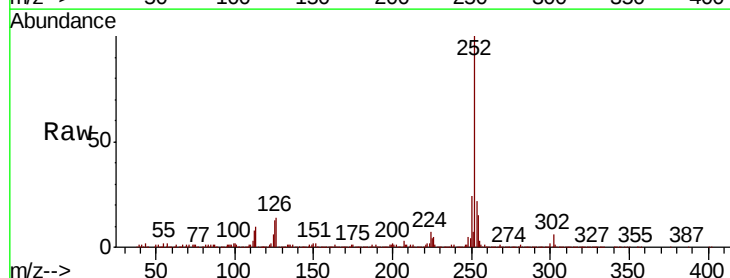
Tgt Ion:252 Resp: 1057058

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

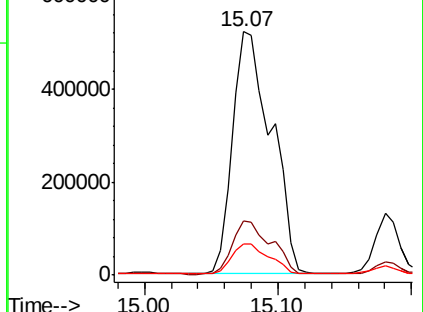
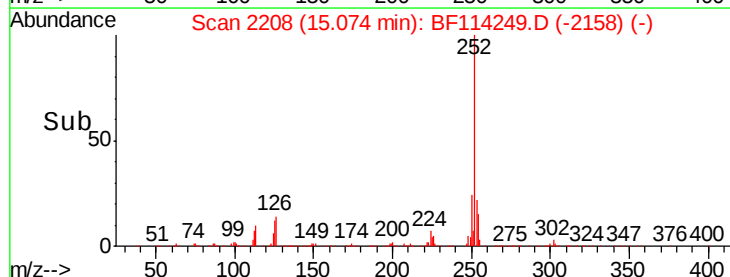
125 12.5 8.3 12.5#

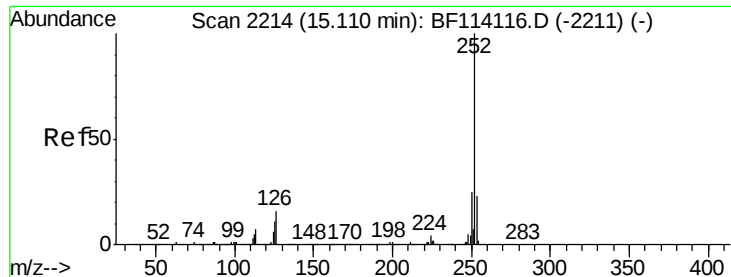


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

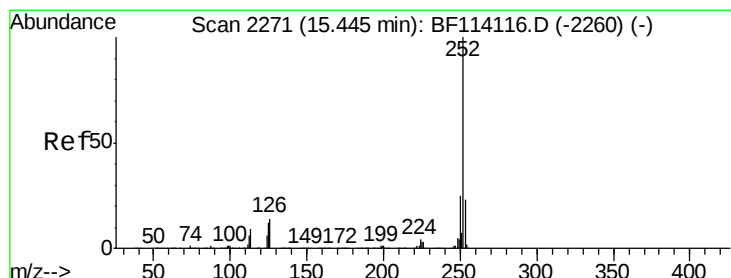
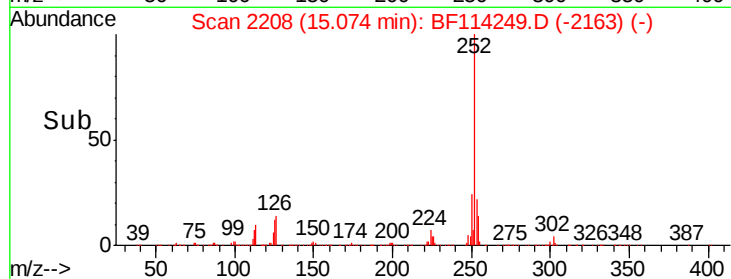
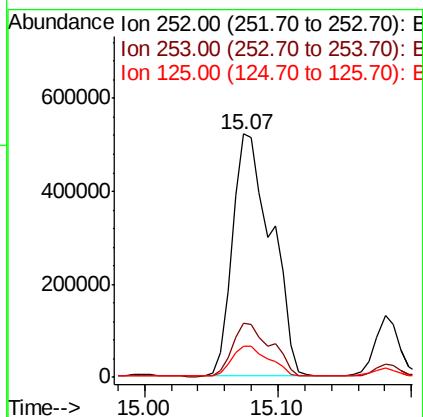
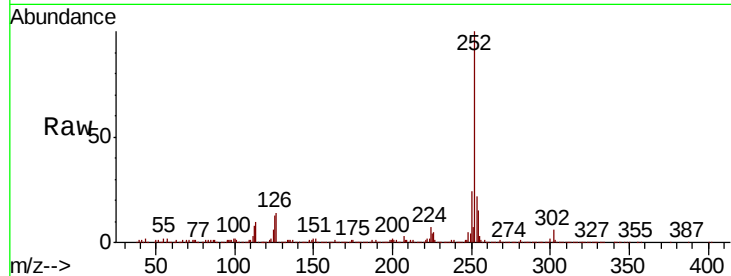




#89
Benzo(k)fluoranthene
Concen: 32.176 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

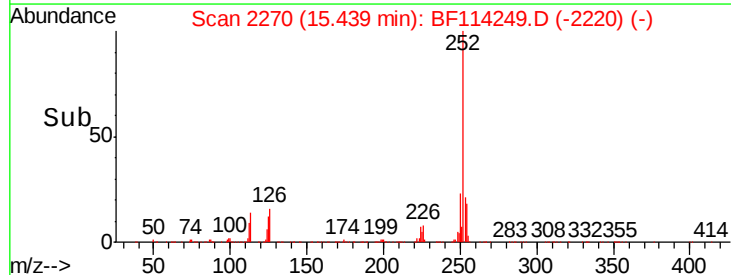
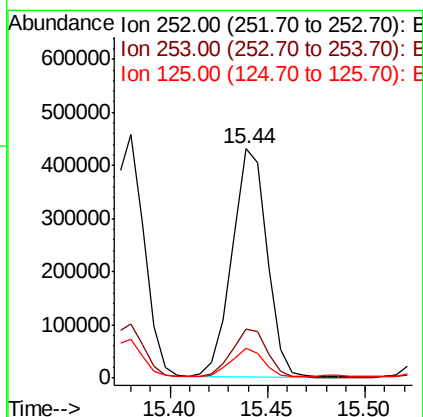
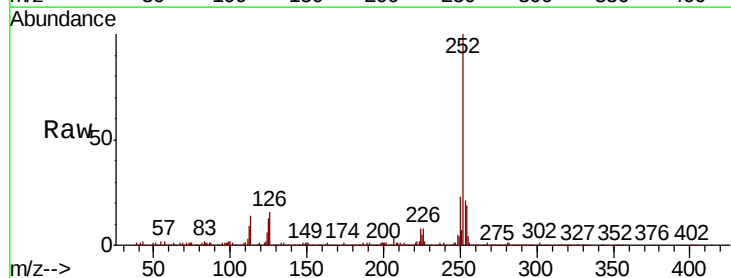
Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

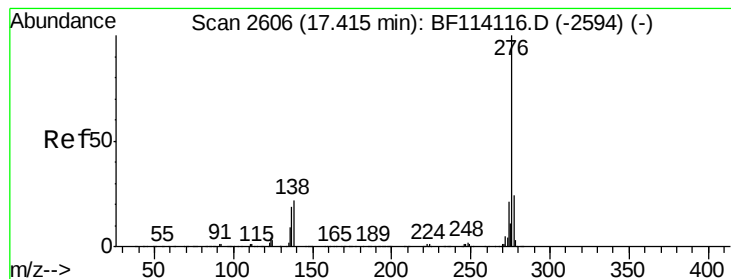
Tgt Ion:252 Resp: 1057058
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 12.5 8.6 13.0



#90
Benzo(a)pyrene
Concen: 16.947 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion:252 Resp: 533401
Ion Ratio Lower Upper
252 100
253 21.4 18.1 27.1
125 13.0 9.5 14.3





#92

Benzo(g,h,i)perylene

Concen: 12.497 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.02 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

Instrument :

BNA_F

ClientSampleId :

P026-SS007-0206-01DL

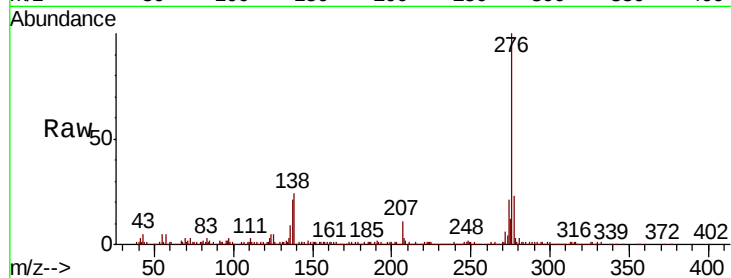
Tgt Ion: 276 Resp: 327551

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 23.9 17.8 26.6



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

