

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116540.D
 Acq On : 25 Aug 2019 18:57
 Operator : HP/JU
 Sample : K4385-16RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:29:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	104874	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	368781	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	154159	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	215328	20.00	ng	0.00
76) Chrysene-d12	14.08	240	119660	20.00	ng	0.05
87) Perylene-d12	15.63	264	101686	20.00	ng	0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	576436	80.31	ng	0.00
7) Phenol-d6	6.51	99	734149	83.42	ng	0.00
23) Nitrobenzene-d5	7.44	82	428508	63.57	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	116801	88.24	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	707396	73.90	ng	0.00
79) Terphenyl-d14	13.00	244	474043	74.00	ng	0.02

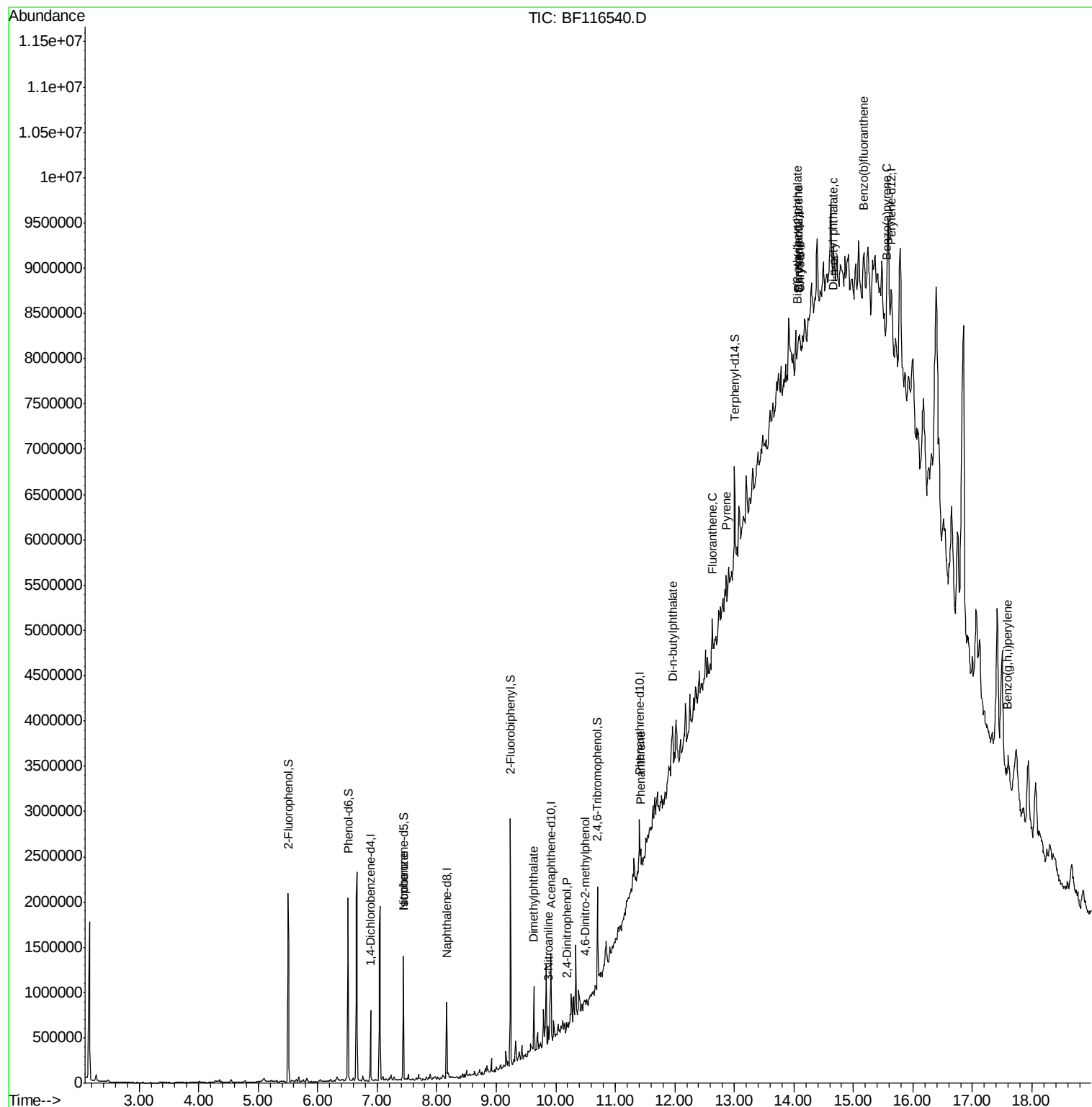
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.44	82	426894	32.137	ng	# 67
50) Dimethylphthalate	9.63	163	38018	3.535	ng	# 86
53) 3-Nitroaniline	9.87	138	6356	2.422	ng	# 14
54) 2,4-Dinitrophenol	10.18	184	132	8.558	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.49	198	1018	7.990	ng	# 1
71) Phenanthrene	11.43	178	51604	4.399	ng	# 69
74) Di-n-butylphthalate	11.97	149	44200	3.371	ng	# 54
75) Fluoranthene	12.63	202	151671	12.506	ng	# 84
78) Pyrene	12.86	202	160805	16.804	ng	# 89
81) Benzo(a)anthracene	14.07	228	53509	6.904	ng	# 57
83) Chrysene	14.10	228	45392	5.779	ng	# 59
84) Bis(2-ethylhexyl)phthalate	14.06	149	36867	6.690	ng	# 89
85) Di-n-octyl phthalate	14.67	149	27886	2.981	ng	# 52
88) Benzo(b)fluoranthene	15.16	252	78249	12.457	ng	# 1
90) Benzo(a)pyrene	15.55	252	36350	6.547	ng	# 1
92) Benzo(a,h,i)perylene	17.60	276	26912	6.188	ng	# 19

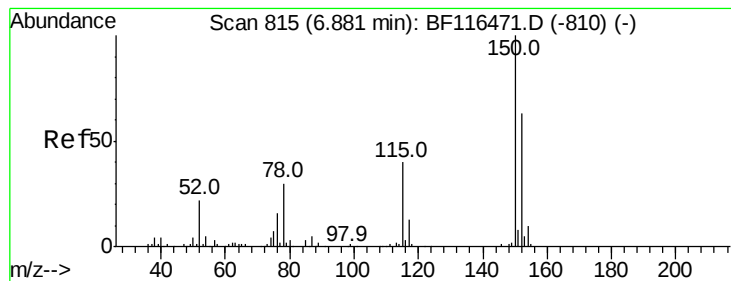
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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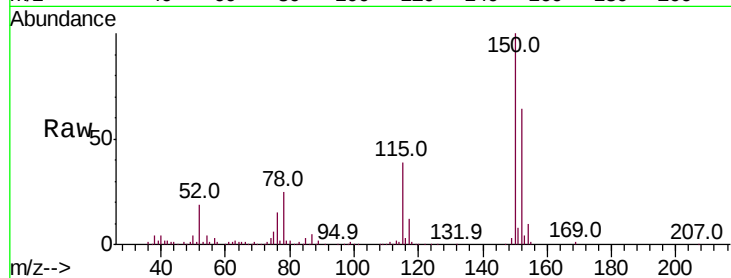


#1

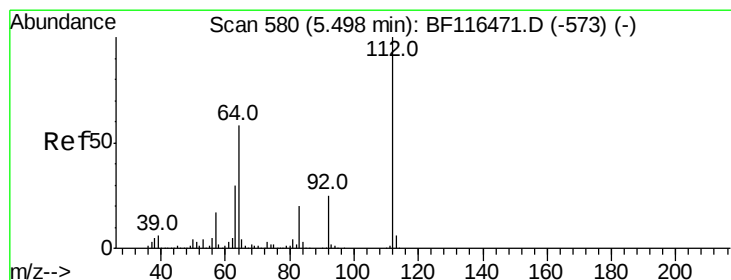
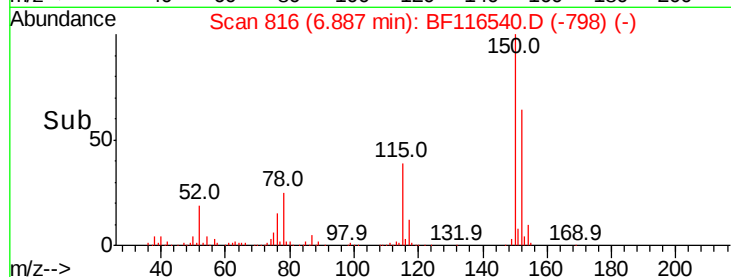
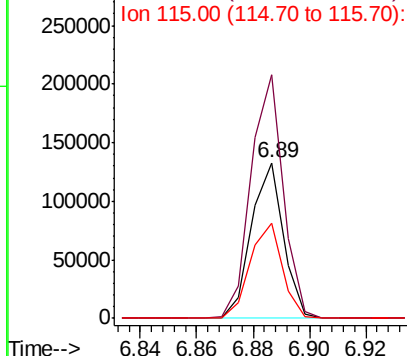
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 104874
Ion Ratio Lower Upper
152 100
150 156.3 126.7 190.1
115 60.7 50.9 76.3



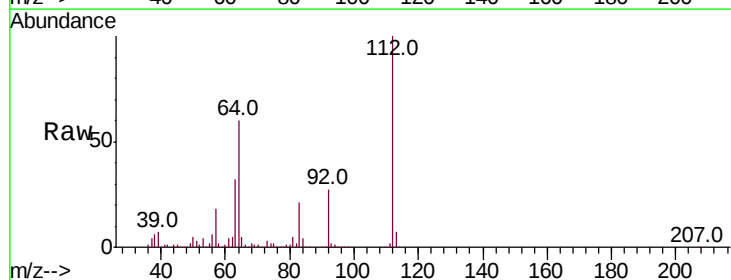
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



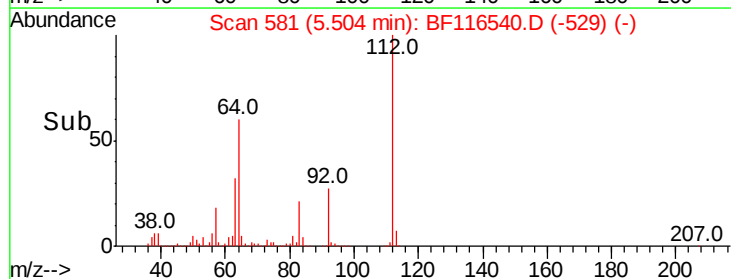
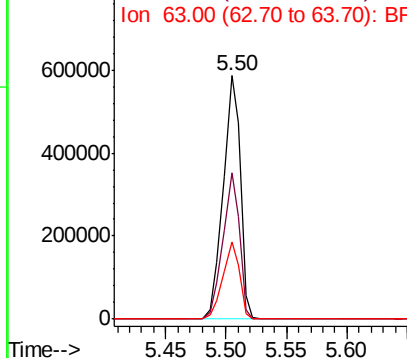
#5

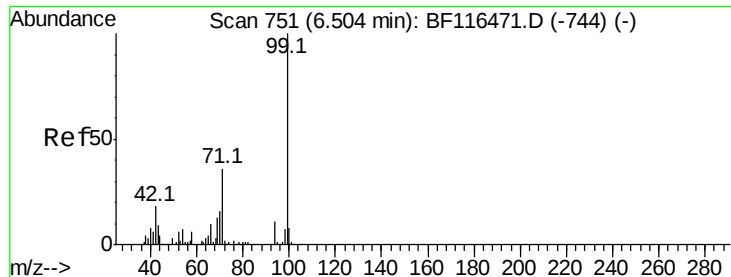
2-Fluorophenol
Concen: 80.311 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

Tgt Ion:112 Resp: 576436
Ion Ratio Lower Upper
112 100
64 60.1 46.3 69.5
63 31.8 24.2 36.4



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: 83.419 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

Instrument :

BNA_F

ClientSampleId :

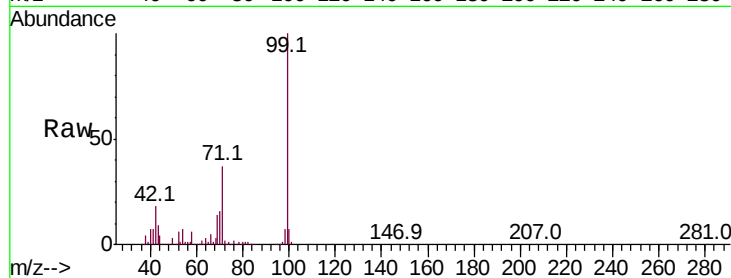
Tot Ion: 99 Resp: 734149

Ion Ratio Lower Upper

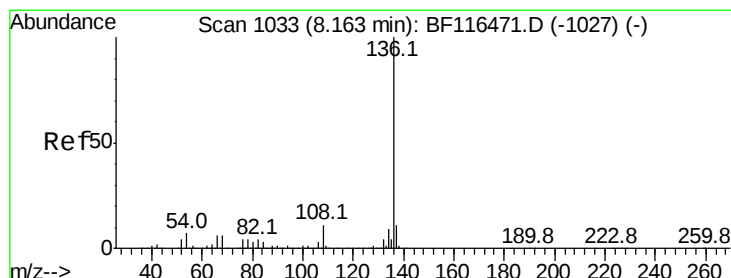
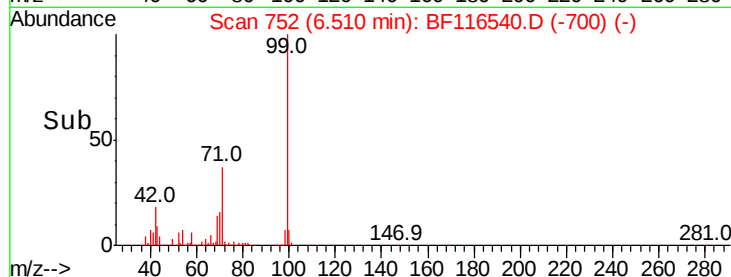
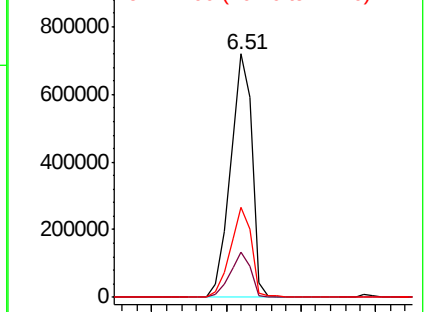
99 100

42 18.4 14.6 21.8

71 36.8 28.5 42.7



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: BF116540.D

Acq: 25 Aug 2019 18:57

Tgt Ion: 136 Resp: 368781

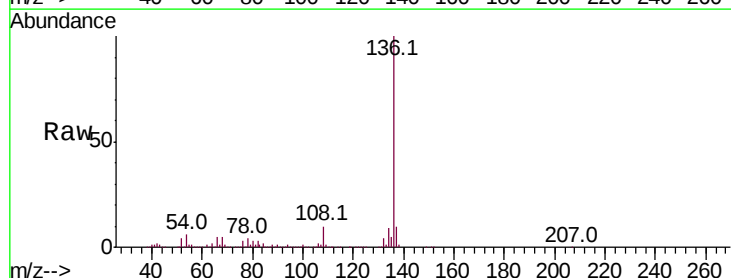
Ion Ratio Lower Upper

136 100

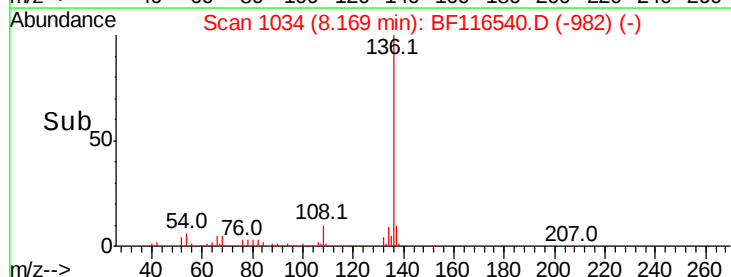
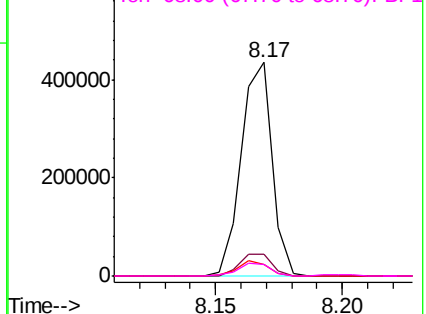
137 10.2 9.0 13.4

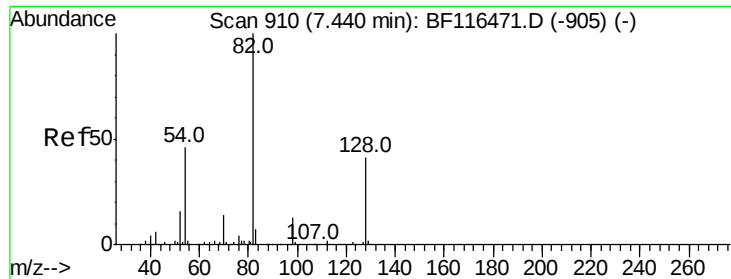
54 5.7 5.8 8.6#

68 5.1 5.1 7.7



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

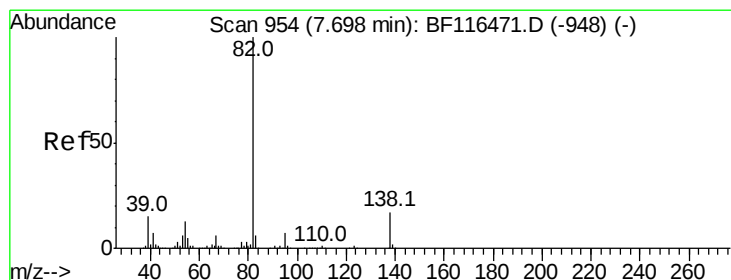
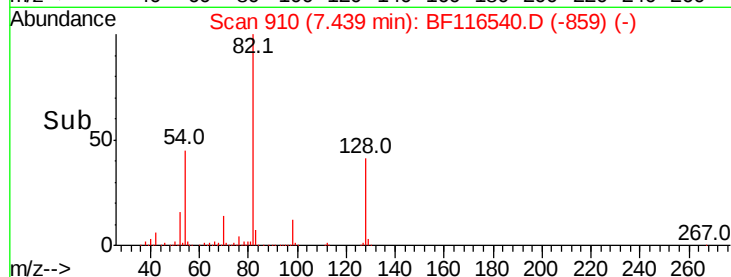
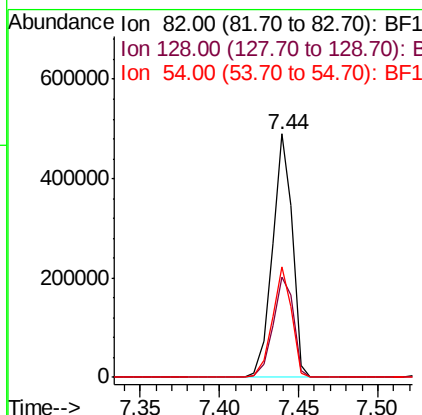
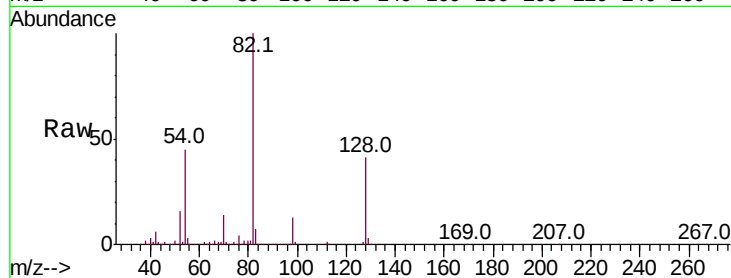




#23
Nitrobenzene-d5
Concen: 63.571 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

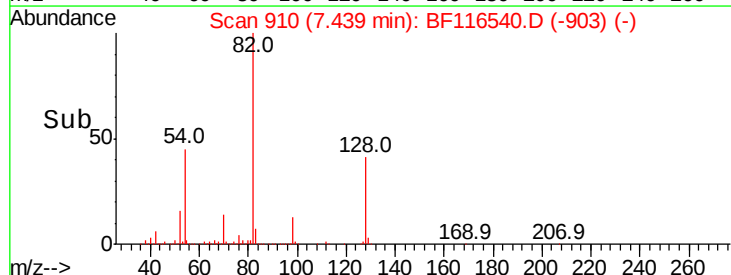
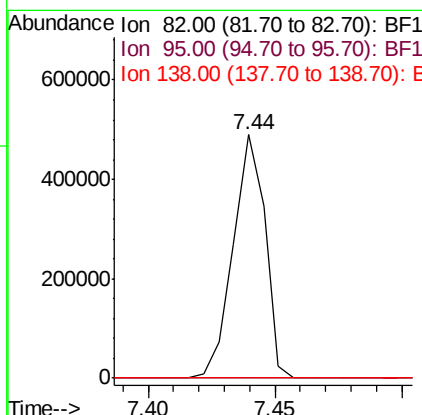
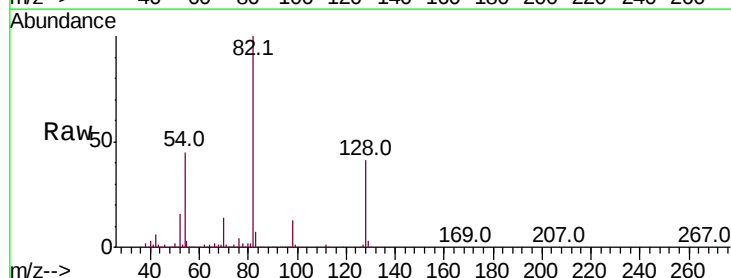
Instrument :
BNA_F
ClientSampleId :

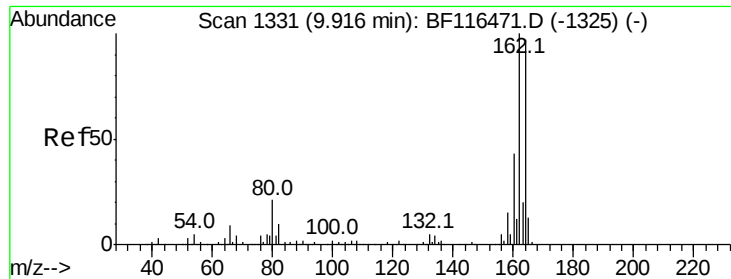
Tot Ion	82	Resp	428508
Ion Ratio	Lower	Upper	
82	100		
128	41.1	32.2	48.4
54	45.3	36.5	54.7



#25
Isophorone
Concen: 32.137 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

Tgt Ion	82	Resp	426894
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.3	7.9#
138	0.0	13.3	19.9#

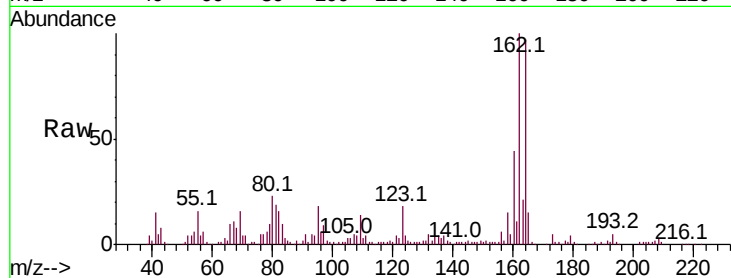




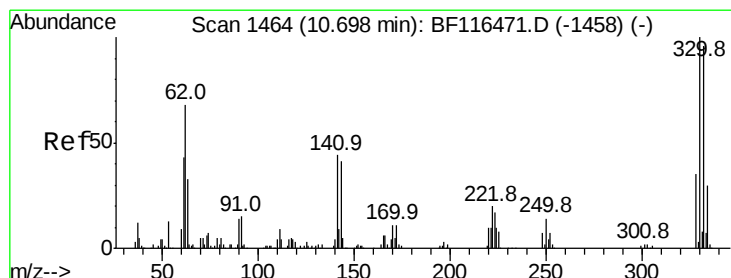
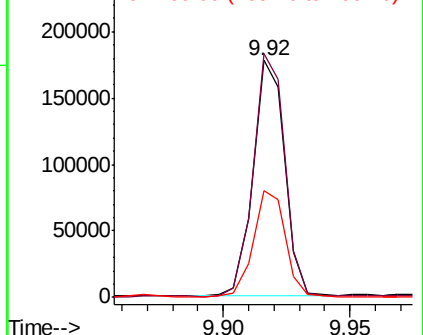
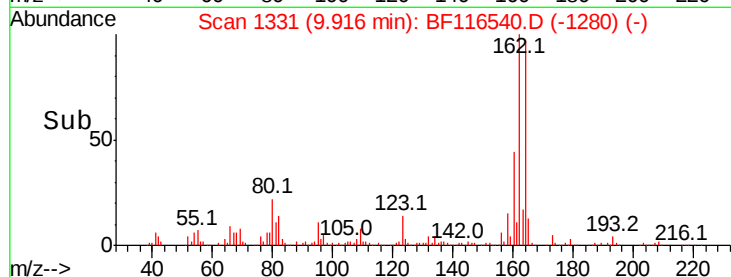
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.6	123.8
160	45.1	35.8	53.8

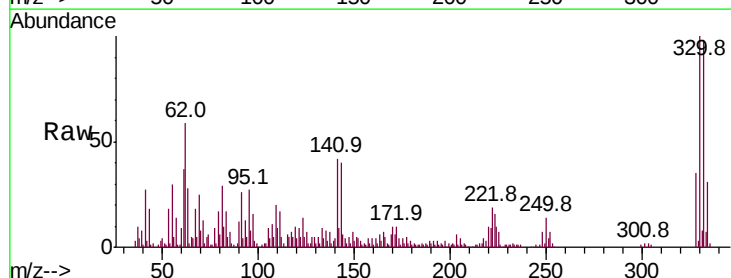


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

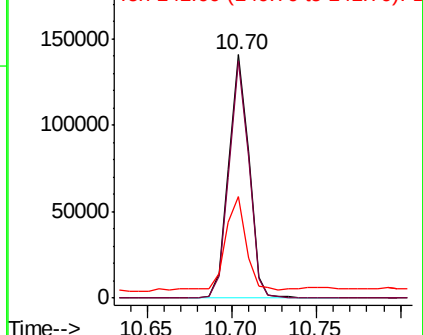
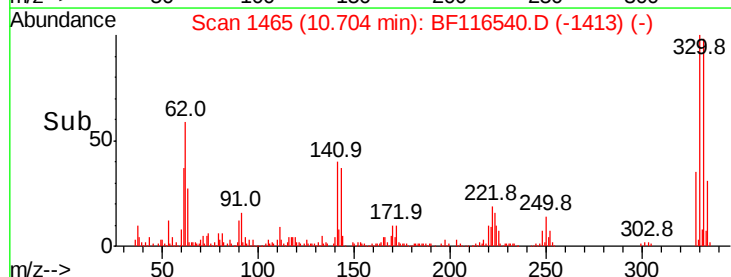


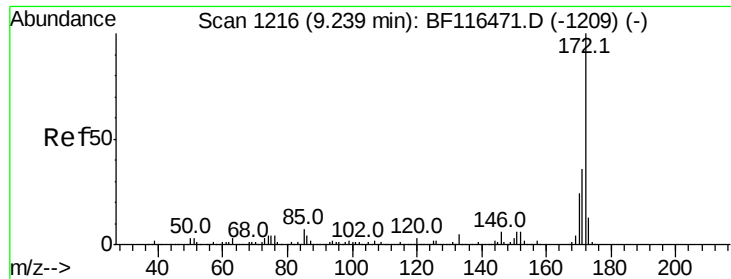
#42
2,4,6-Tribromophenol
Concen: 88.237 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.01 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.2	115.8
141	42.3	33.3	49.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

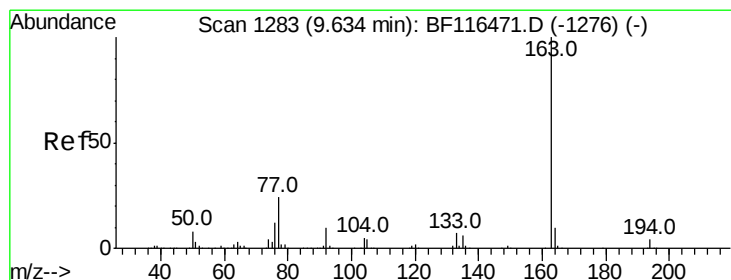
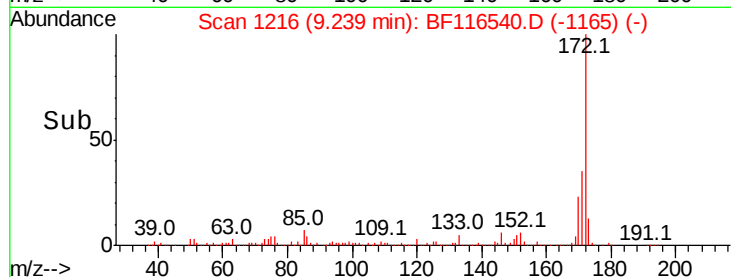
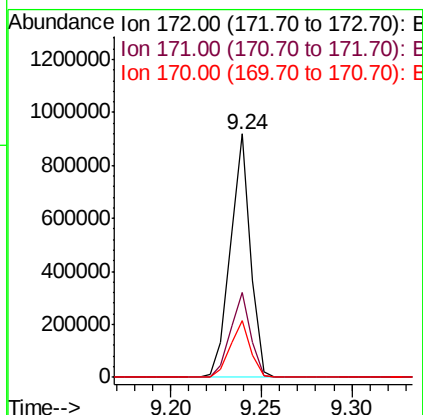
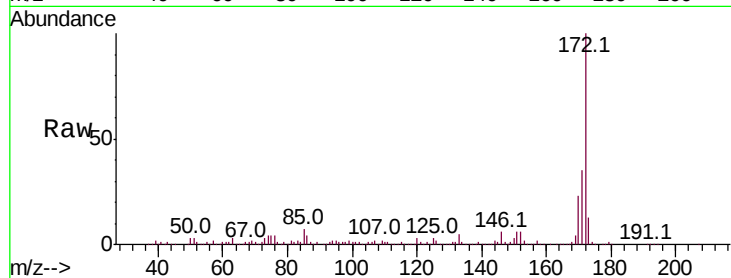




#45
2-Fluorobiphenyl
Concen: 73.897 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.00 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

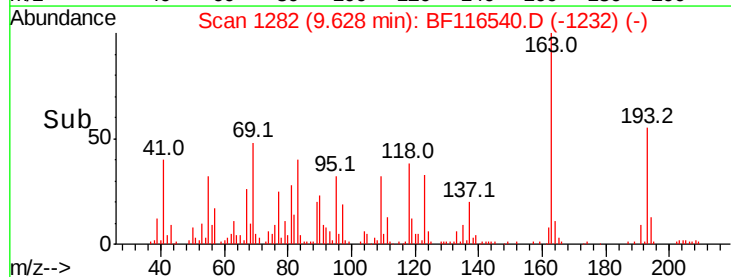
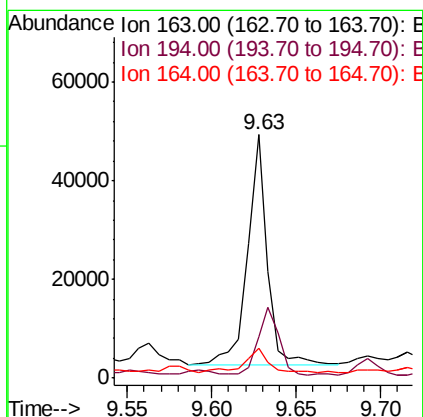
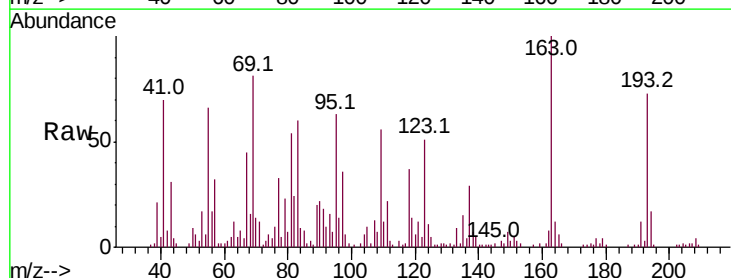
Instrument :
BNA_F
ClientSampleId :

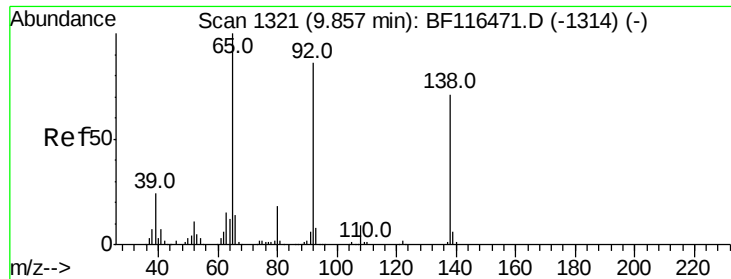
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.9	43.3
170	23.4	19.4	29.0



#50
Dimethylphthalate
Concen: 3.535 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	16.7	2.9	4.3#
164	12.1	8.2	12.2

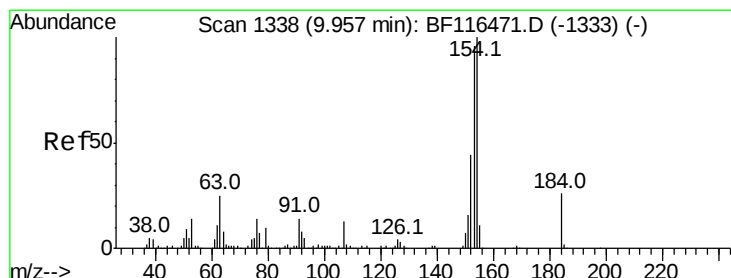
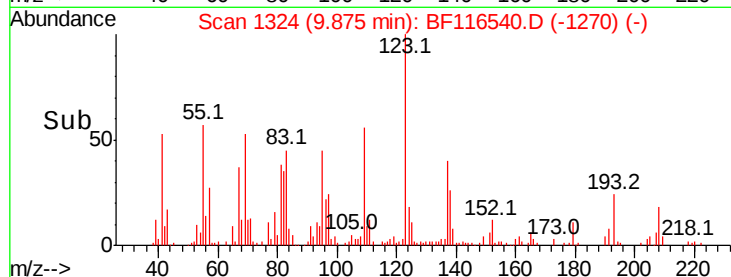
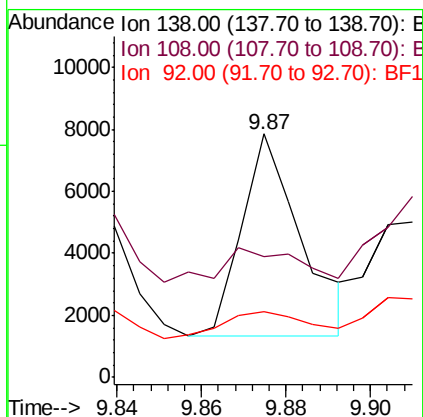
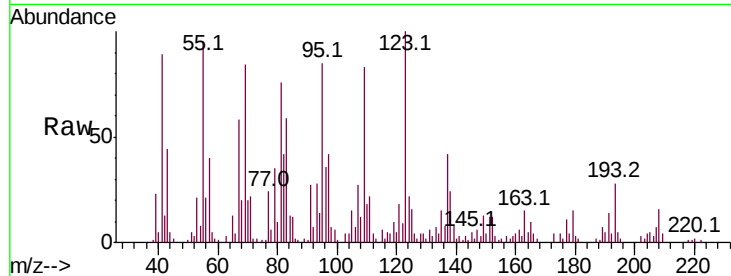




#53
3-Nitroaniline
Concen: 2.422 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.02 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

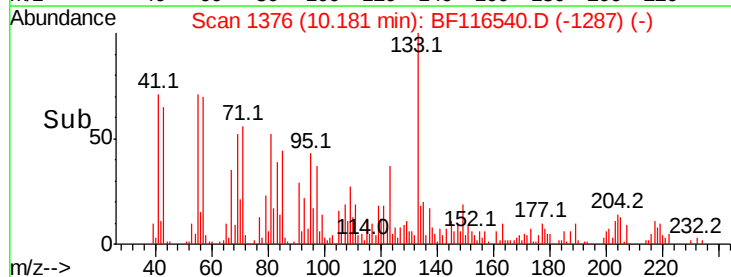
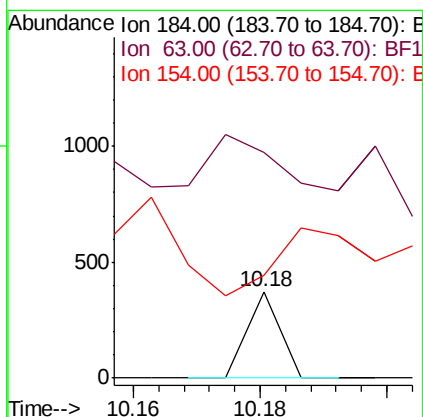
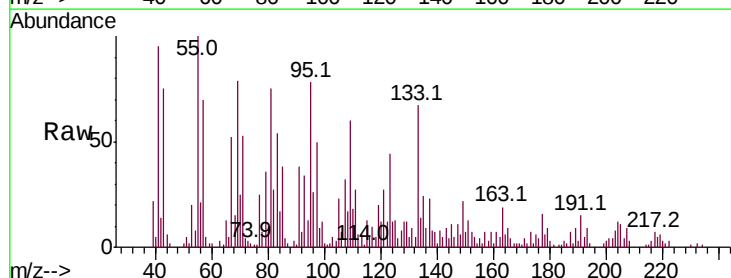
Instrument :
BNA_F
ClientSampled :

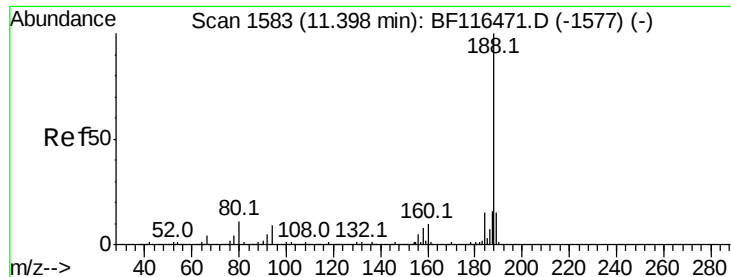
Tot Ion:138 Resp: 6356
Ion Ratio Lower Upper
138 100
108 49.8 10.0 15.0#
92 26.8 97.7 146.5#



#54
2,4-Dinitrophenol
Concen: 8.558 ng
RT: 10.18 min Scan# 1376
Delta R.T. 0.22 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

Tgt Ion:184 Resp: 132
Ion Ratio Lower Upper
184 100
63 261.7 78.2 117.4#
154 118.2 320.4 480.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

Instrument :

BNA_F

ClientSampleId :

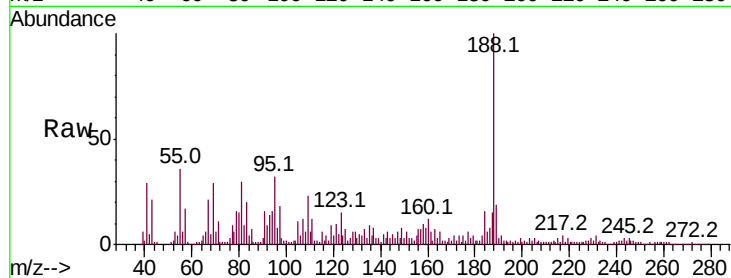
Tot Ion:188 Resp: 215328

Ion Ratio Lower Upper

188 100

94 15.6 7.4 11.2#

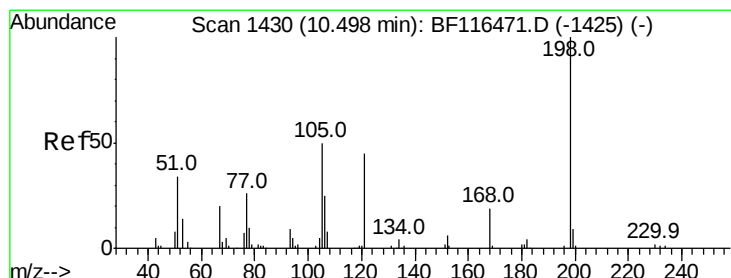
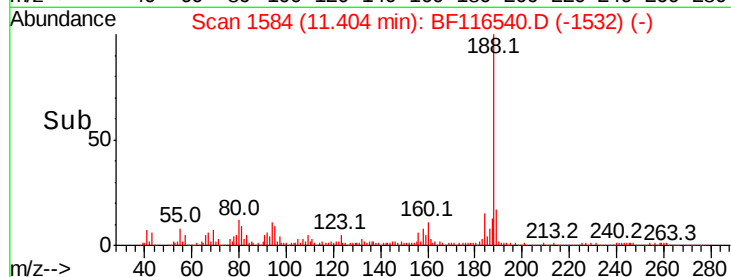
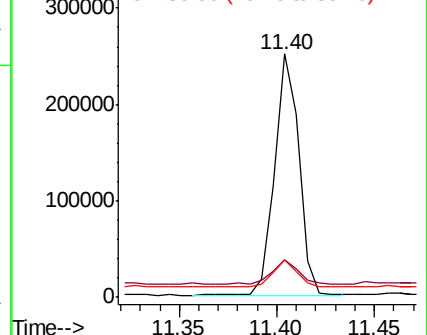
80 15.5 8.6 12.8#



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: 7.990 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.01 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

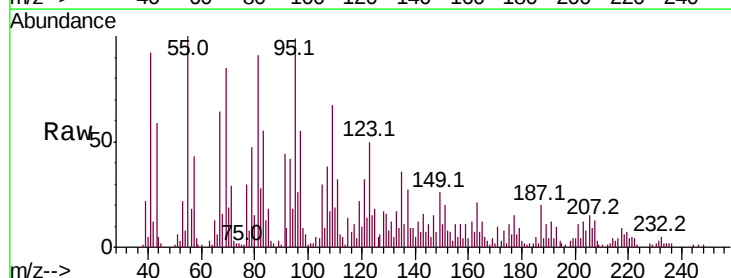
Tgt Ion:198 Resp: 1018

Ion Ratio Lower Upper

198 100

51 233.5 30.4 70.4#

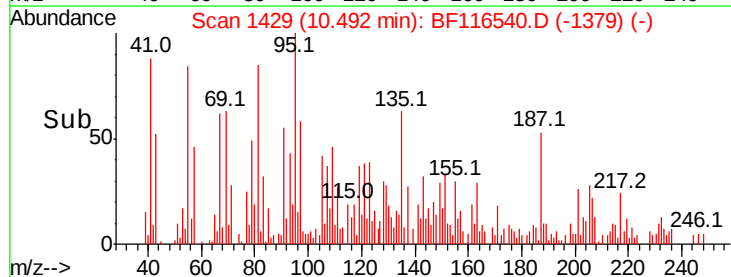
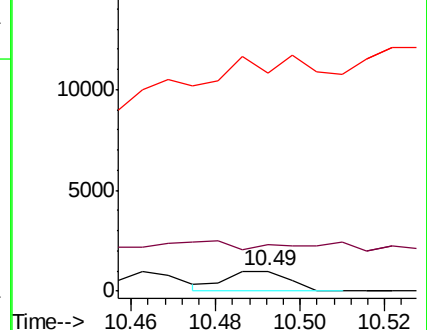
105 1103.2 32.8 72.8#

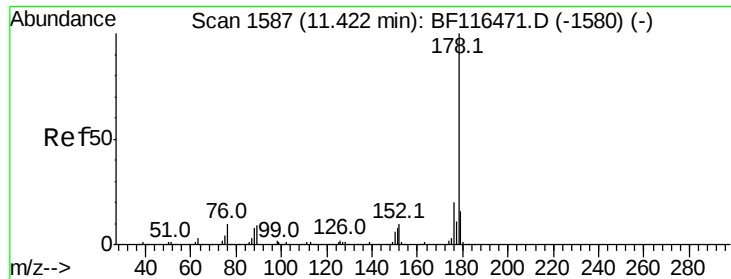


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 4.399 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

Instrument :

BNA_F

ClientSampleId :

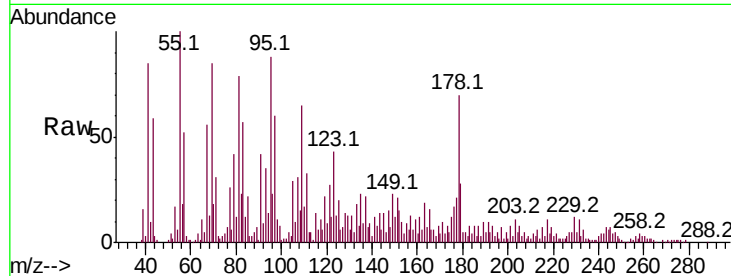
Tot Ion:178 Resp: 51604

Ion Ratio Lower Upper

178 100

176 24.4 15.8 23.6#

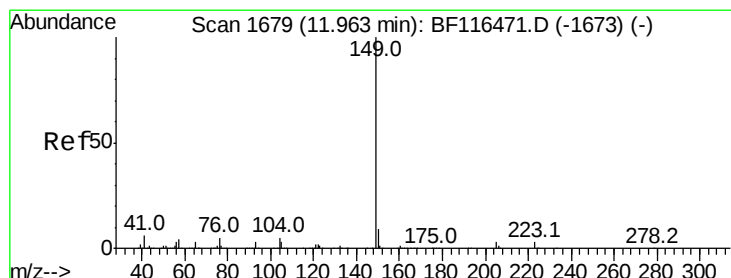
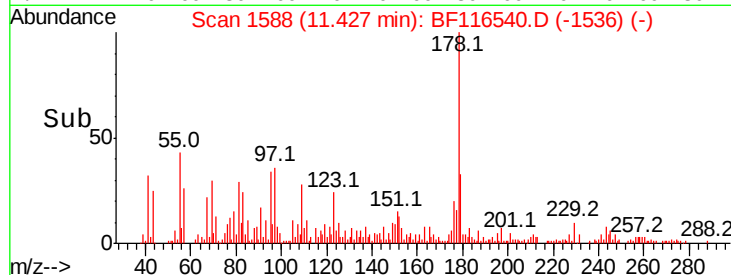
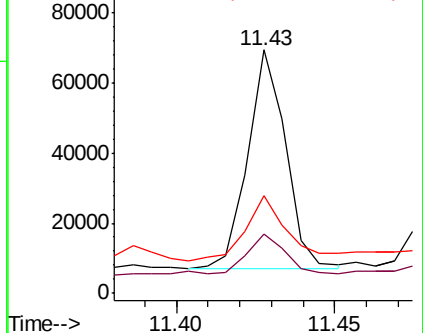
179 40.3 12.8 19.2#



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



#74

Di-n-butylphthalate

Concen: 3.371 ng

RT: 11.97 min Scan# 1680

Delta R.T. 0.01 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

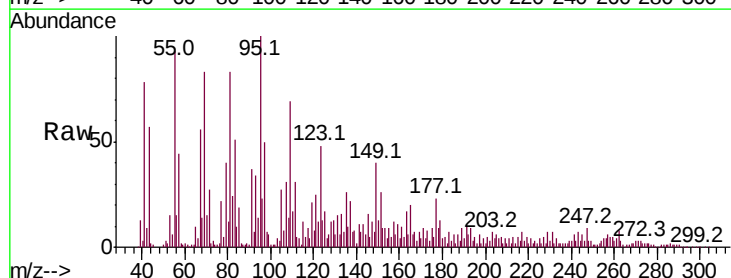
Tgt Ion:149 Resp: 44200

Ion Ratio Lower Upper

149 100

150 33.1 7.5 11.3#

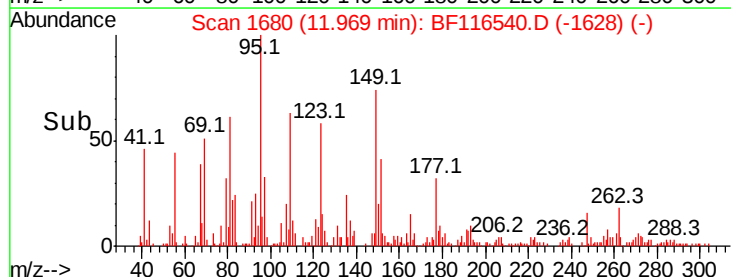
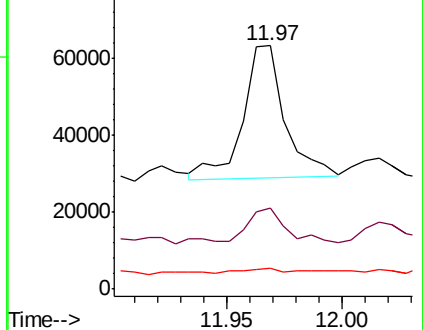
104 8.5 4.1 6.1#

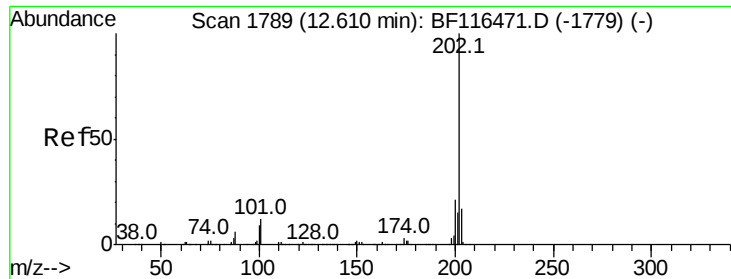


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 12.506 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.02 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

Instrument :

BNA_F

ClientSampleId :

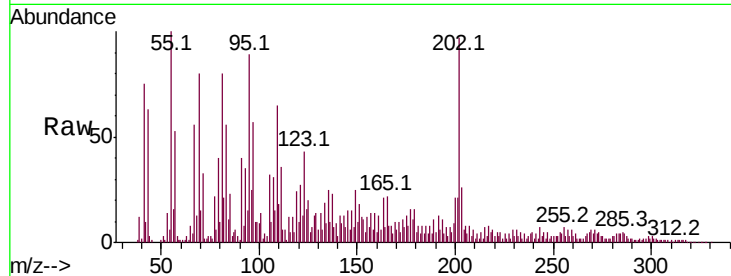
Tot Ion:202 Resp: 151671

Ion Ratio Lower Upper

202 100

101 14.0 0.0 31.5

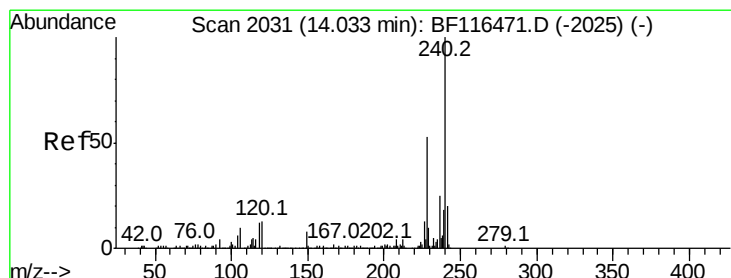
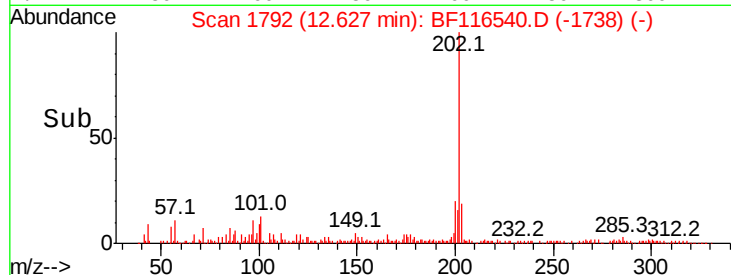
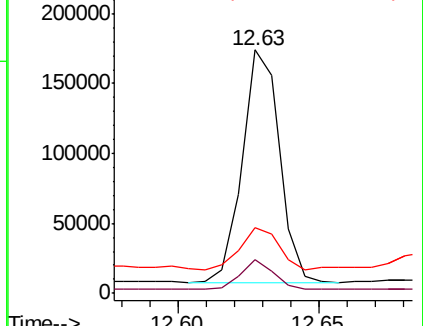
203 27.0 0.0 37.5



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: 14.08 min Scan# 2039

Delta R.T. 0.05 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

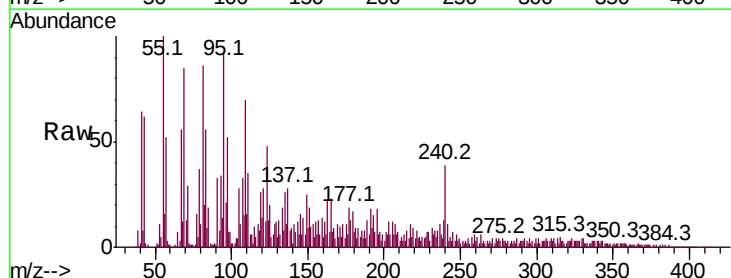
Tgt Ion:240 Resp: 119660

Ion Ratio Lower Upper

240 100

120 35.0 10.5 15.7#

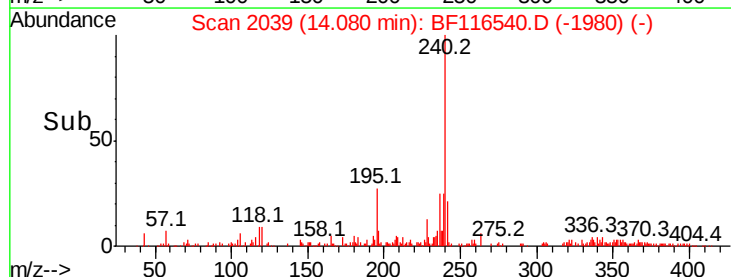
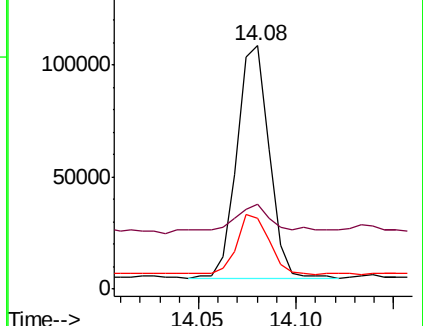
236 29.3 20.2 30.2

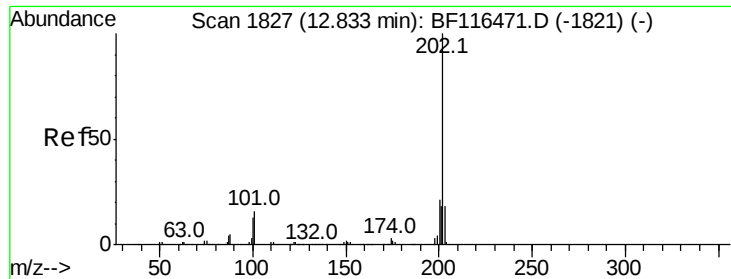


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

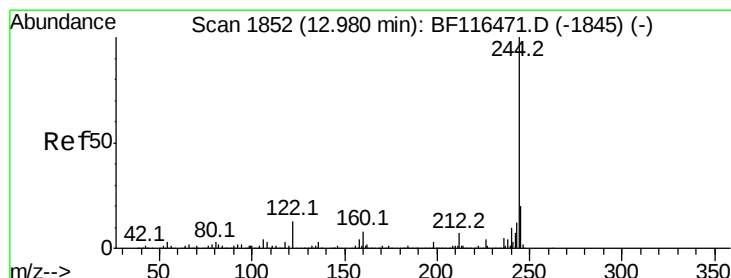
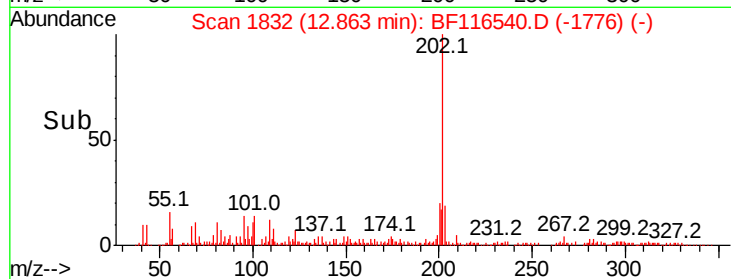
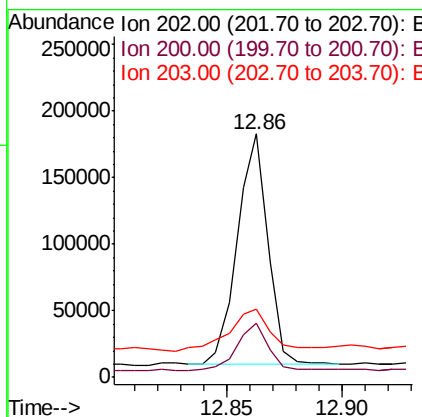
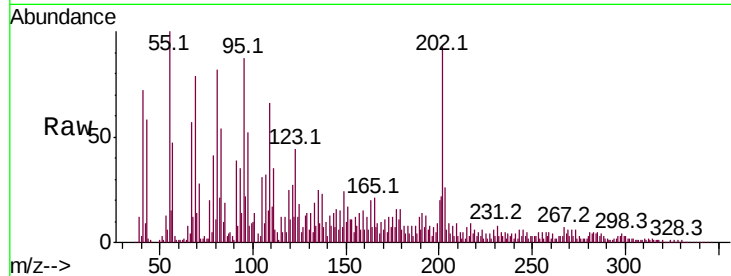




#78
Pvrene
Concen: 16.804 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.03 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

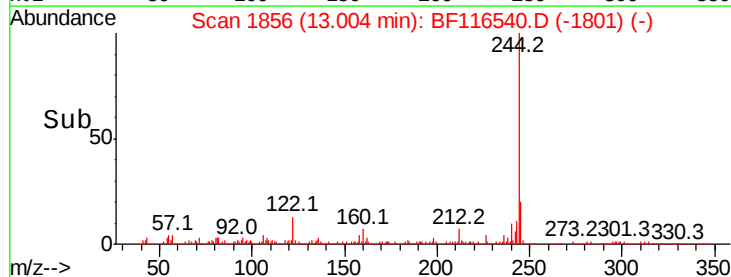
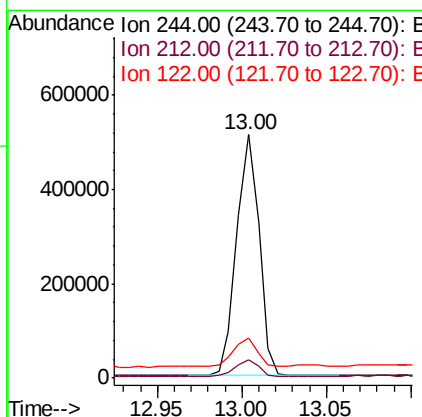
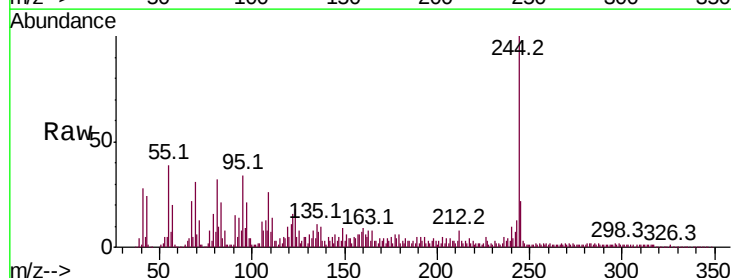
Instrument :
BNA_F
ClientSampleId :

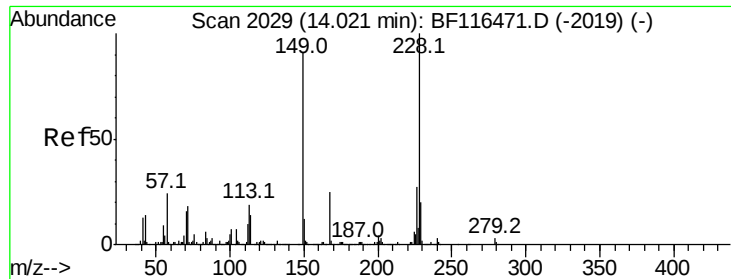
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.0	25.4
203	27.9	14.2	21.4



#79
Terphenyl-d14
Concen: 73.999 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.02 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.7	8.5
122	16.4	10.2	15.4

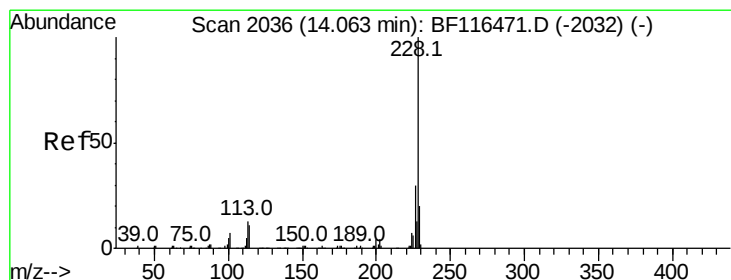
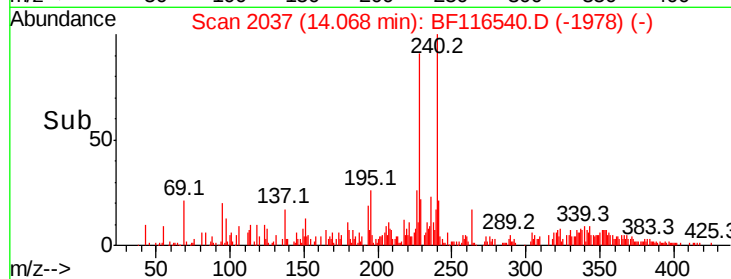
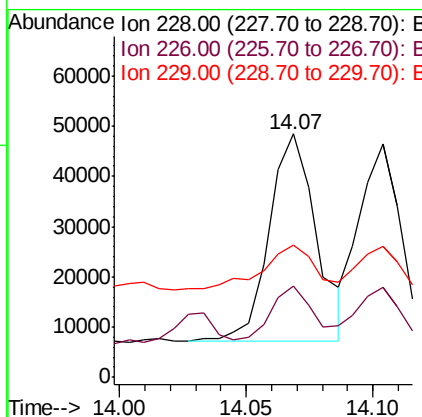
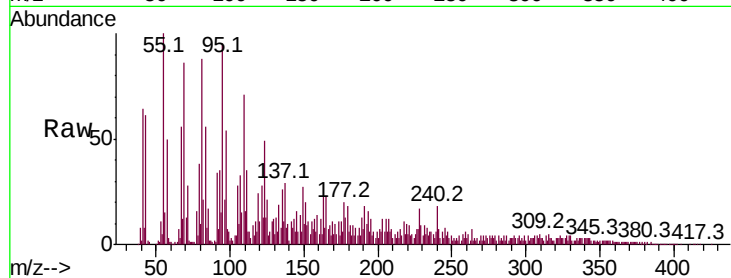




#81
Benzo(a)anthracene
Concen: 6.904 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.05 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

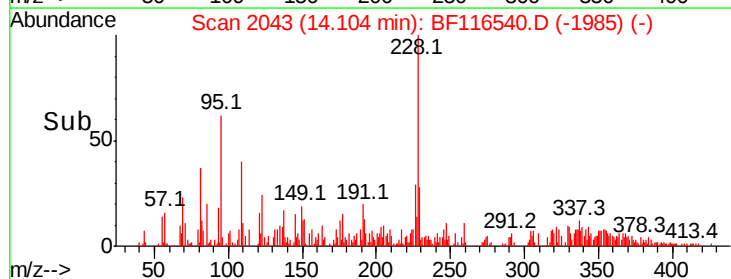
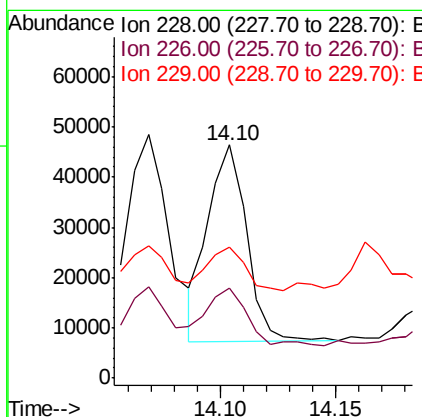
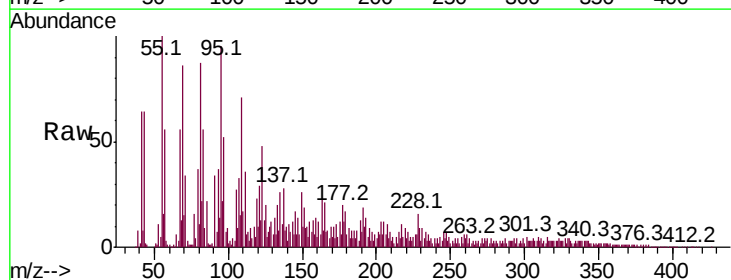
Instrument :
BNA_F
ClientSampleId :

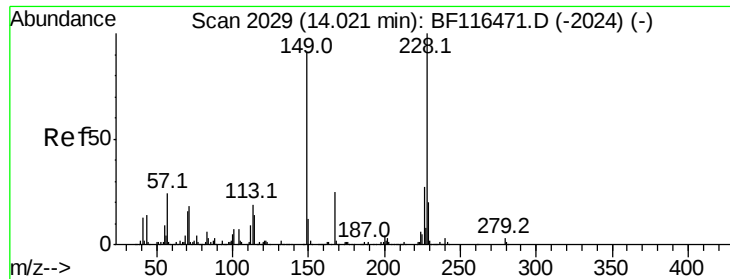
Tot Ion:228 Resp: 53509
Ion Ratio Lower Upper
228 100
226 37.7 21.8 32.6#
229 54.2 15.9 23.9#



#83
Chrysene
Concen: 5.779 ng
RT: 14.10 min Scan# 2043
Delta R.T. 0.04 min
Lab File: BF116540.D
Acq: 25 Aug 2019 18:57

Tgt Ion:228 Resp: 45392
Ion Ratio Lower Upper
228 100
226 38.5 24.2 36.2#
229 56.4 15.8 23.6#

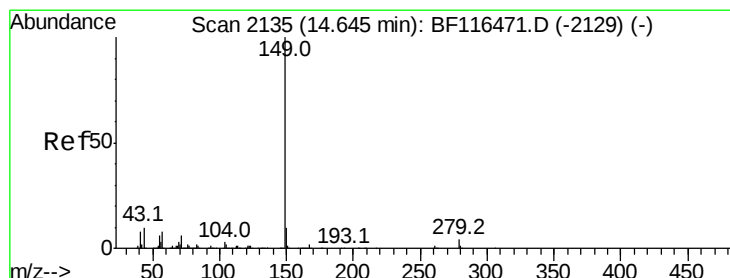
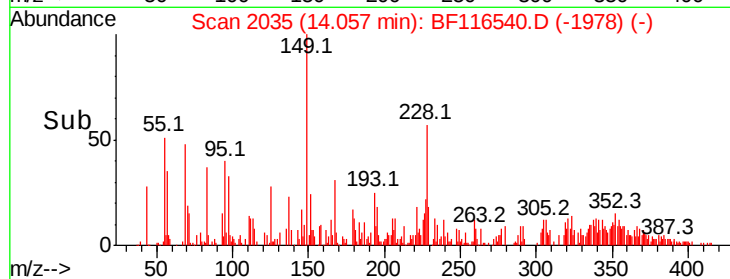
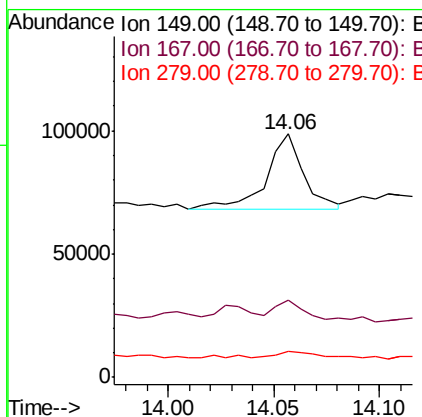
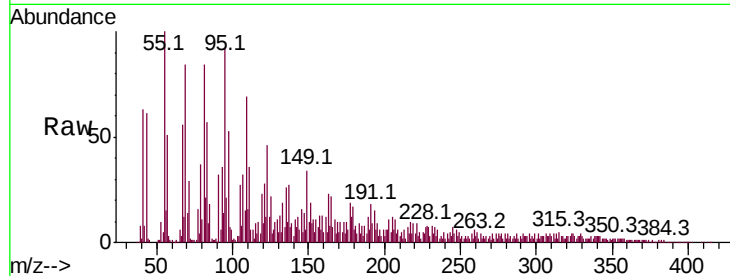




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 6.690 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.04 min
 Lab File: BF116540.D
 Acq: 25 Aug 2019 18:57

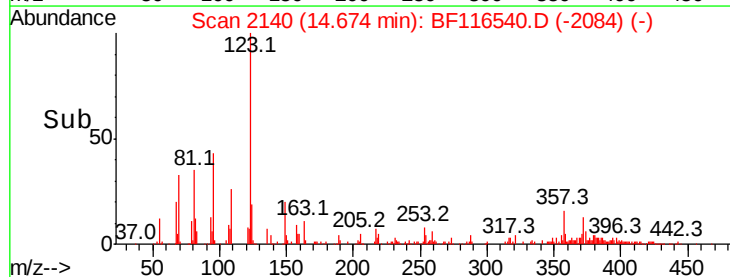
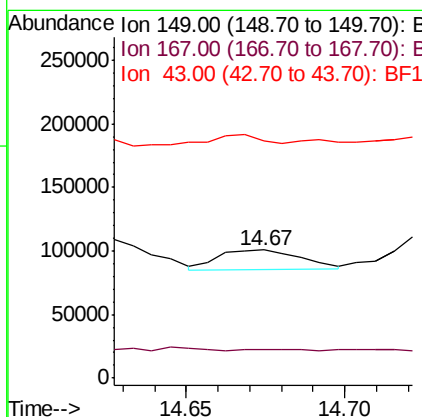
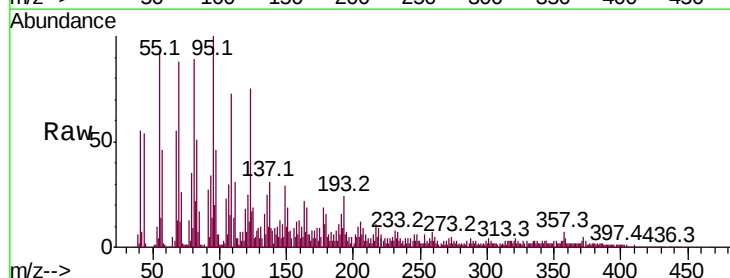
Instrument :
 BNA_F
 ClientSampleId :

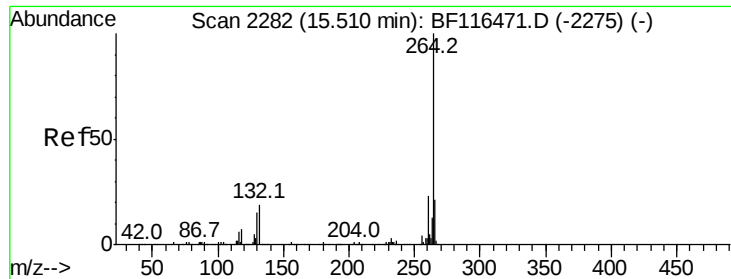
Tot Ion:149 Resp: 36867
 Ion Ratio Lower Upper
 149 100
 167 31.9 21.8 32.6
 279 10.8 3.0 4.4#



#85
 Di-n-octyl phthalate
 Concen: 2.981 ng
 RT: 14.67 min Scan# 2140
 Delta R.T. 0.03 min
 Lab File: BF116540.D
 Acq: 25 Aug 2019 18:57

Tgt Ion:149 Resp: 27886
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 30.0 7.8 11.8#

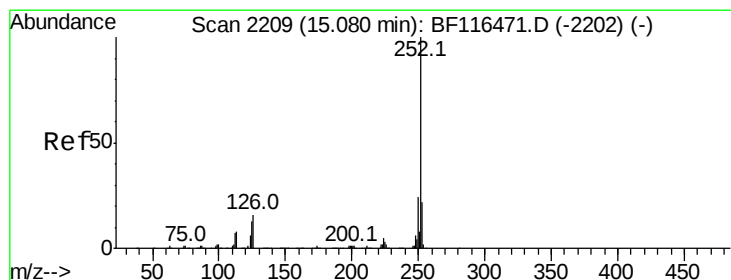
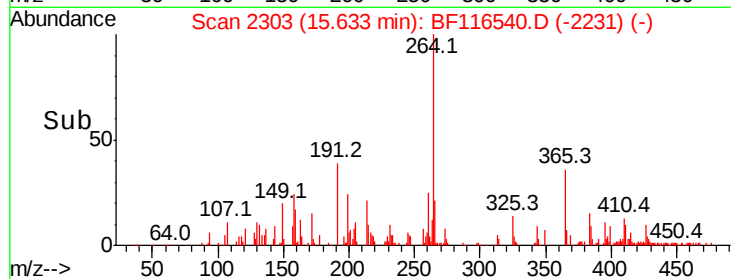
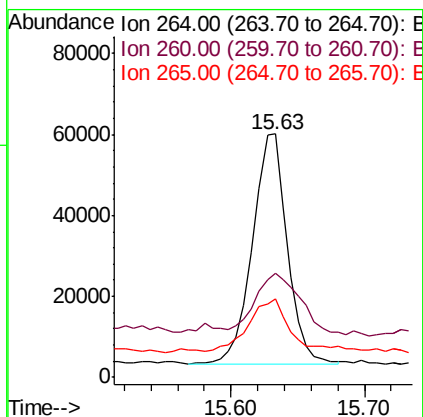
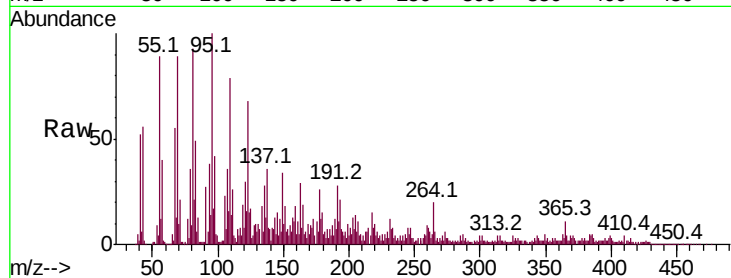




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.63 min Scan# 2303
 Delta R.T. 0.12 min
 Lab File: BF116540.D
 Acq: 25 Aug 2019 18:57

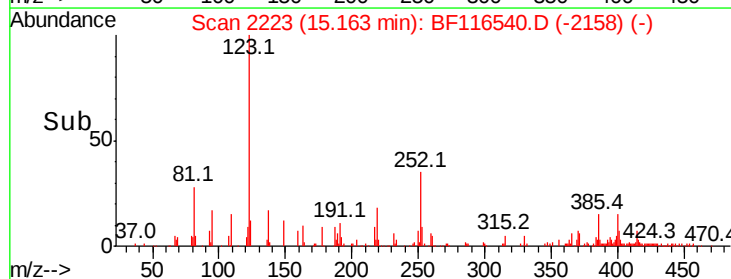
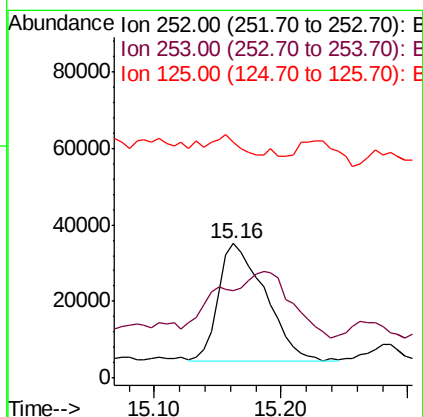
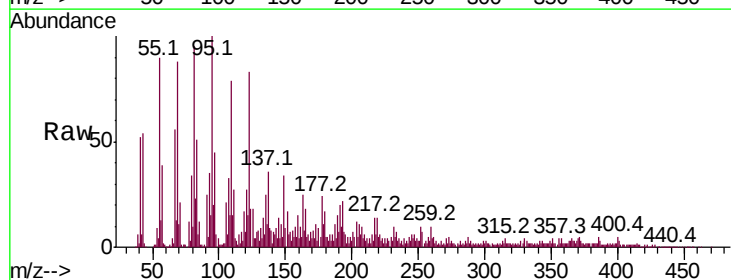
Instrument :
 BNA_F
 ClientSampleId :

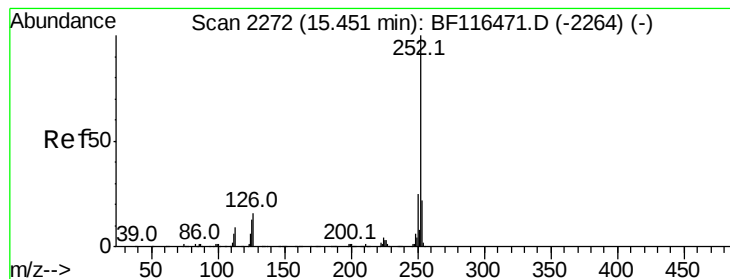
Tot Ion:264 Resp: 101686
 Ion Ratio Lower Upper
 264 100
 260 42.8 18.8 28.2#
 265 32.4 17.1 25.7#



#88
 Benzo(b)fluoranthene
 Concen: 12.457 ng
 RT: 15.16 min Scan# 2223
 Delta R.T. 0.08 min
 Lab File: BF116540.D
 Acq: 25 Aug 2019 18:57

Tgt Ion:252 Resp: 78249
 Ion Ratio Lower Upper
 252 100
 253 65.2 17.5 26.3#
 125 175.8 10.1 15.1#





#90

Benzo(a)pyrene

Concen: 6.547 ng

RT: 15.55 min Scan# 2289

Delta R.T. 0.10 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

Instrument :

BNA_F

ClientSampleId :

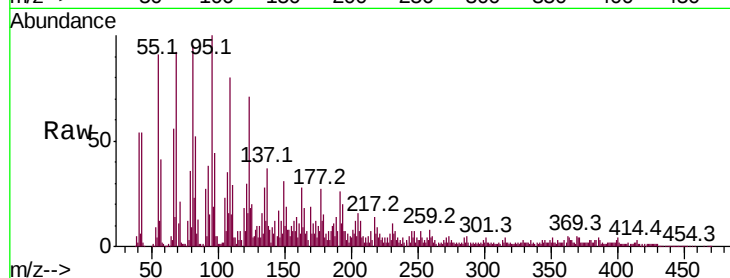
Tot Ion:252 Resp: 36350

Ion Ratio Lower Upper

252 100

253 63.9 17.2 25.8#

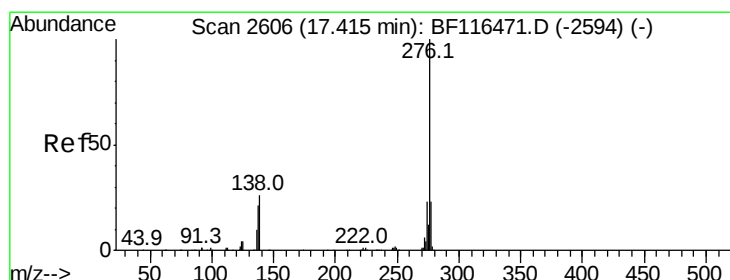
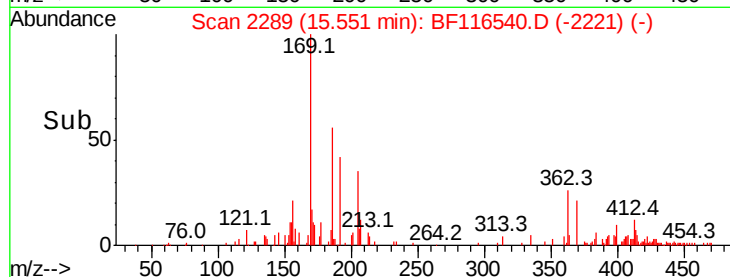
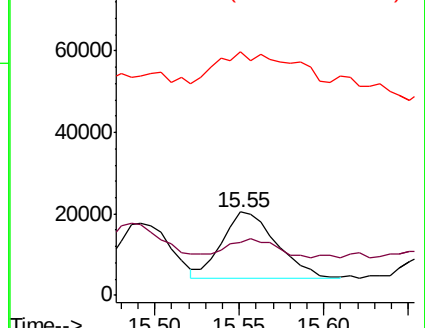
125 292.2 10.2 15.4#



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



#92

Benzo(g,h,i)perylene

Concen: 6.188 ng

RT: 17.60 min Scan# 2638

Delta R.T. 0.19 min

Lab File: BF116540.D

Acq: 25 Aug 2019 18:57

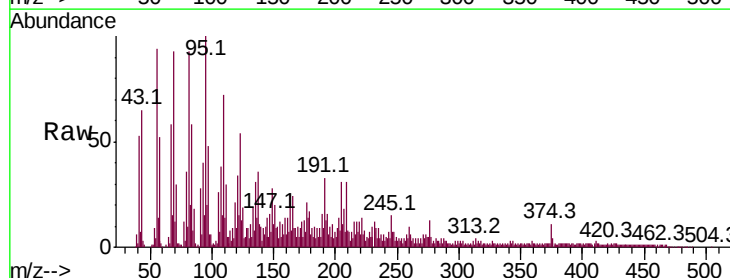
Tgt Ion:276 Resp: 26912

Ion Ratio Lower Upper

276 100

277 43.1 18.7 28.1#

138 86.2 20.8 31.2#



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

