

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082319\
 Data File : BF116496.D
 Acq On : 23 Aug 2019 23:57
 Operator : HP/JU
 Sample : K4385-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T8-D-(0-2)

Quant Time: Aug 24 03:36:43 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	82812	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	275157	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	126613	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	209941	20.00	ng	0.00
76) Chrysene-d12	14.07	240	133924	20.00	ng	0.04
87) Perylene-d12	15.63	264	112535	20.00	ng	0.12

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	465591	82.15	ng	0.00
7) Phenol-d6	6.50	99	565504	81.38	ng	0.00
23) Nitrobenzene-d5	7.44	82	329702	65.56	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	106504	97.96	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	527532	67.10	ng	0.00
79) Terphenyl-d14	13.00	244	505104	70.45	ng	0.02

Target Compounds

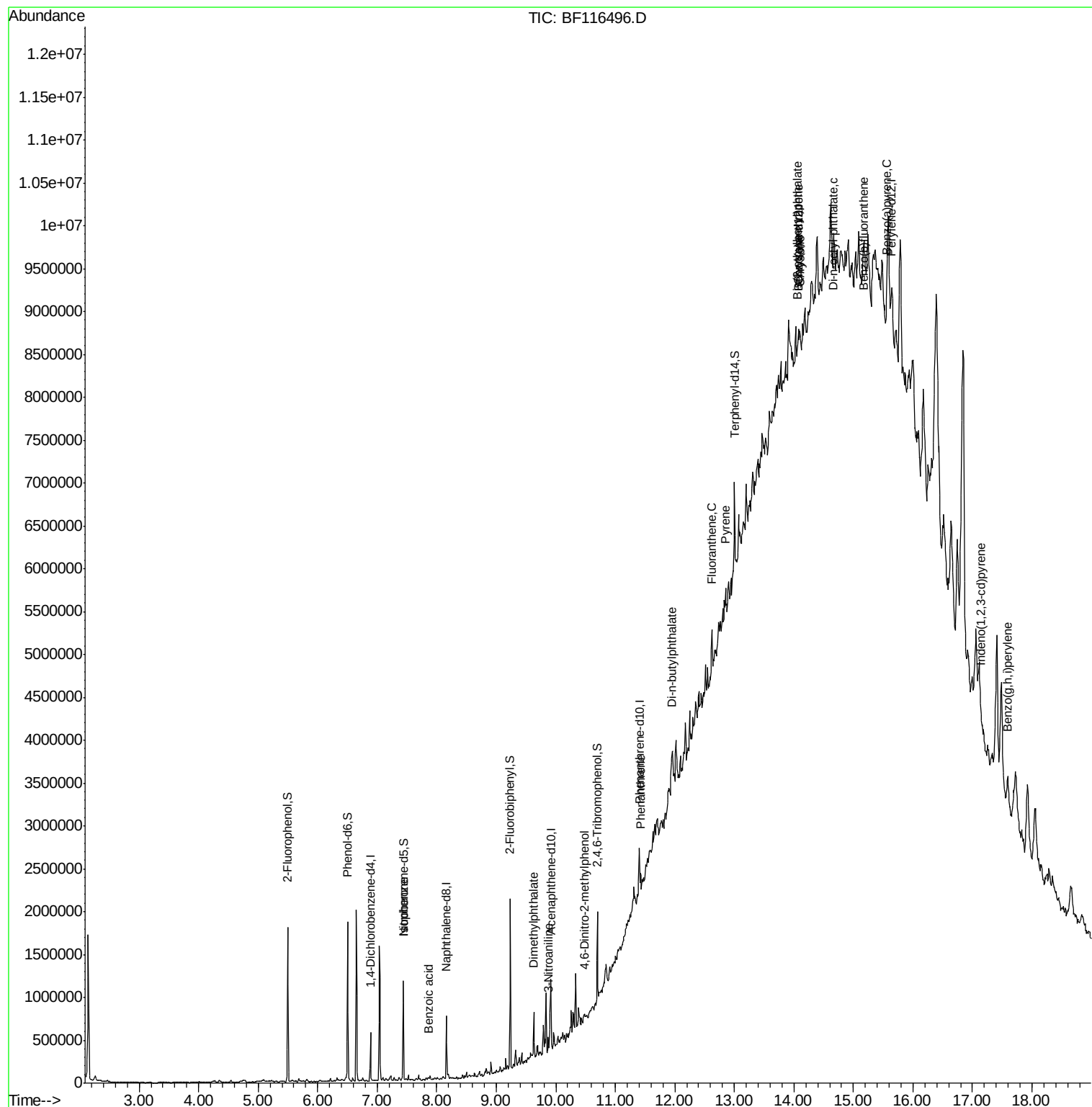
						Qvalue
25) Isophorone	7.44	82	328474	33.142	ng	# 67
32) Benzoic acid	7.85	122	7631	3.007	ng	94
50) Dimethylphthalate	9.63	163	28772	3.257	ng	# 81
53) 3-Nitroaniline	9.87	138	4460	2.069	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.49	198	681	7.681	ng	# 1
71) Phenanthrene	11.43	178	52193	4.564	ng	# 74
74) Di-n-butylphthalate	11.96	149	48173	3.769	ng	# 57
75) Fluoranthene	12.63	202	158337	13.391	ng	86
78) Pyrene	12.86	202	176165	16.449	ng	# 90
81) Benzo(a)anthracene	14.06	228	59385	6.846	ng	# 59
83) Chrysene	14.10	228	53010	6.030	ng	# 59
84) Bis(2-ethylhexyl)phthalate	14.06	149	34193	5.544	ng	# 88
85) Di-n-octyl phthalate	14.67	149	25187	2.405	ng	# 1
86) Indeno(1,2,3-cd)pyrene	17.14	276	26542	3.524	ng	95
88) Benzo(b)fluoranthene	15.16	252	85983	12.368	ng	# 1
90) Benzo(a)pyrene	15.55	252	41418	6.741	ng	# 1
92) Benzo(g,h,i)perylene	17.59	276	27468	5.707	ng	# 13

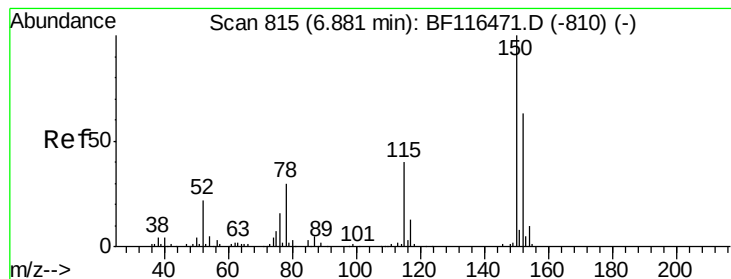
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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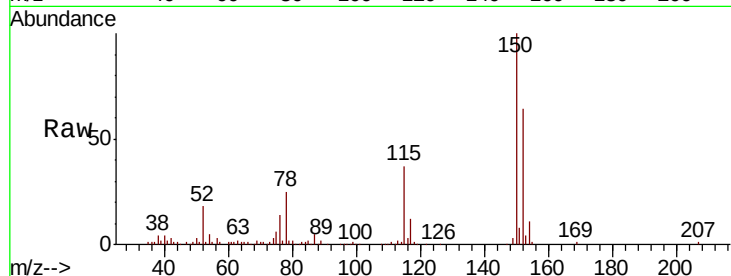


#1

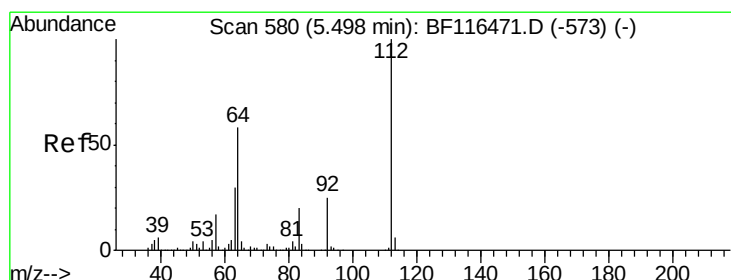
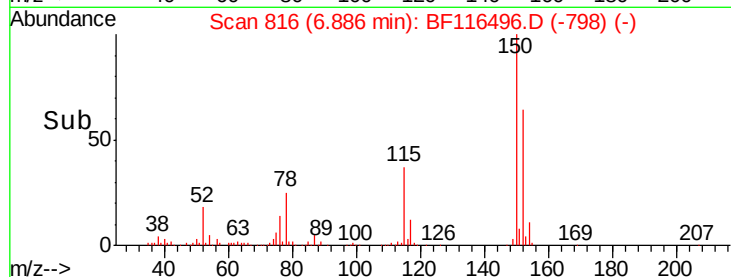
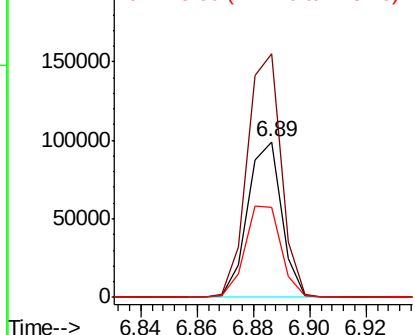
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116496.D
Acq: 23 Aug 2019 23:57

Instrument :
BNA_F
ClientSampleId :
T8-D-(0-2)

Tgt Ion:152 Resp: 82812
Ion Ratio Lower Upper
152 100
150 156.3 126.7 190.1
115 57.6 50.9 76.3



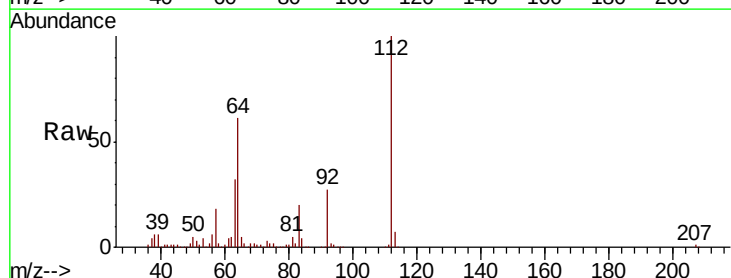
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



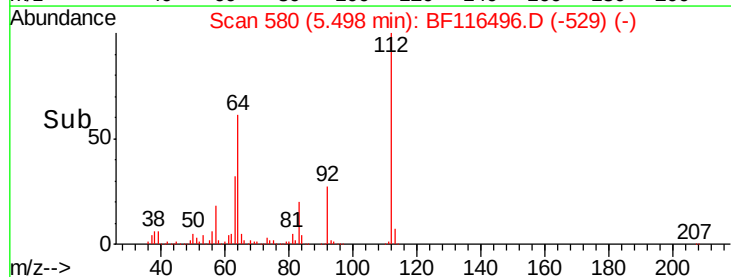
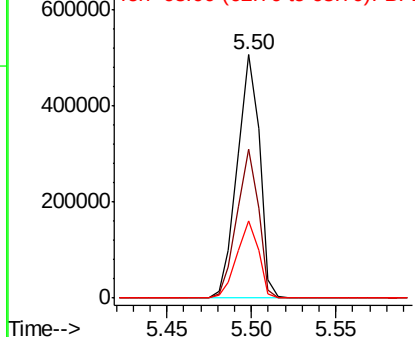
#5

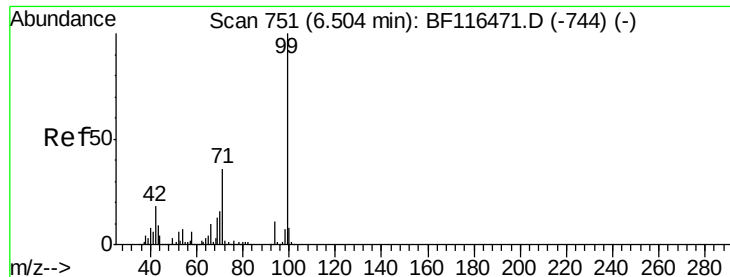
2-Fluorophenol
Concen: 82.149 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF116496.D
Acq: 23 Aug 2019 23:57

Tgt Ion:112 Resp: 465591
Ion Ratio Lower Upper
112 100
64 61.1 46.3 69.5
63 31.6 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: 81.375 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

Instrument :

BNA_F

ClientSampleId :

T8-D-(0-2)

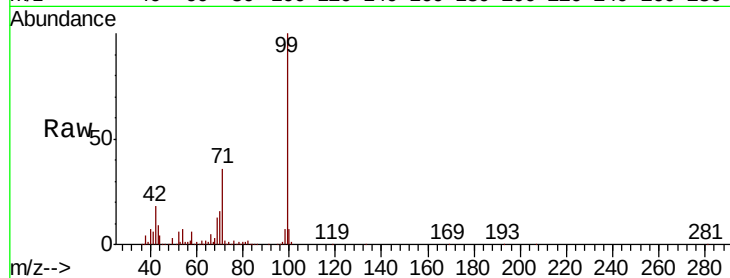
Tgt Ion: 99 Resp: 565504

Ion Ratio Lower Upper

99 100

42 17.6 14.6 21.8

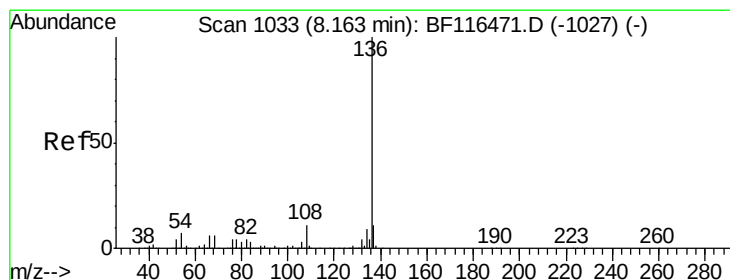
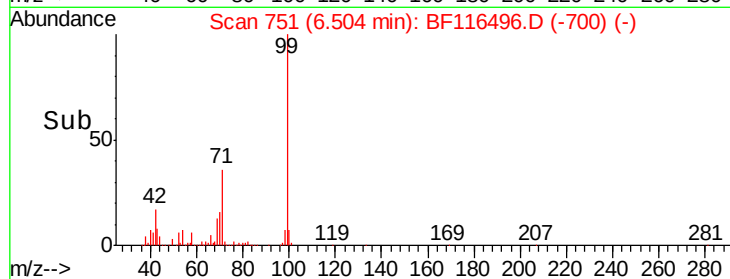
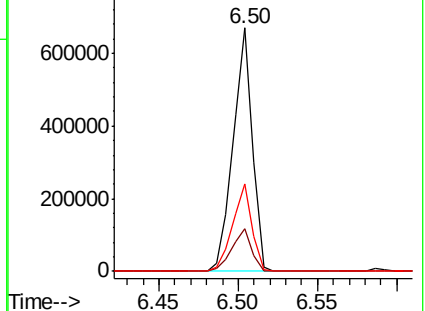
71 35.9 28.5 42.7



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: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

Tgt Ion: 136 Resp: 275157

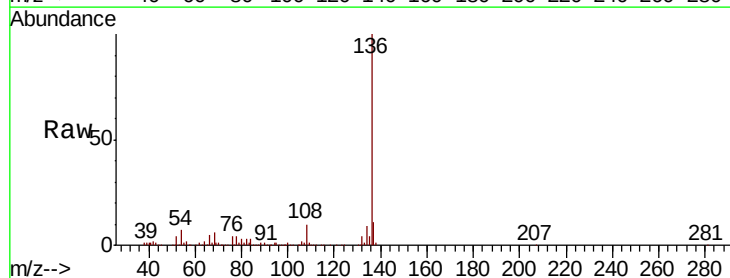
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 7.3 5.8 8.6

68 6.1 5.1 7.7

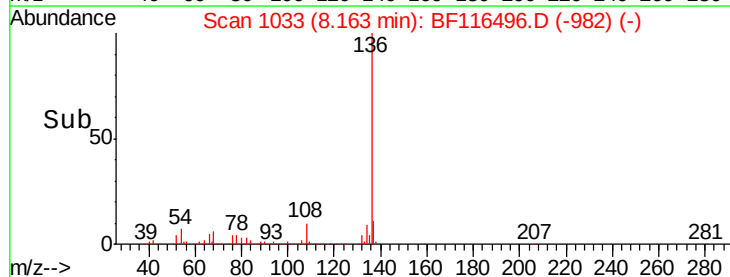
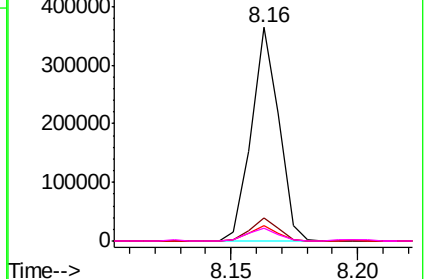


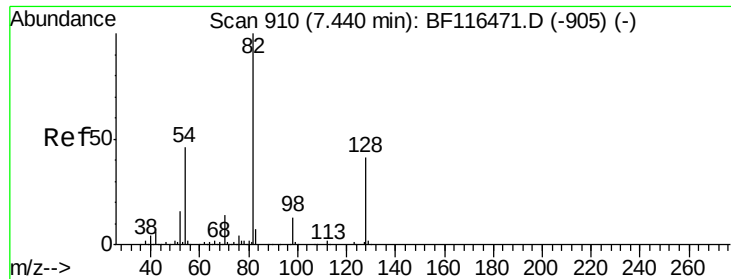
Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.555 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

Instrument :

BNA_F

ClientSampleId :

T8-D-(0-2)

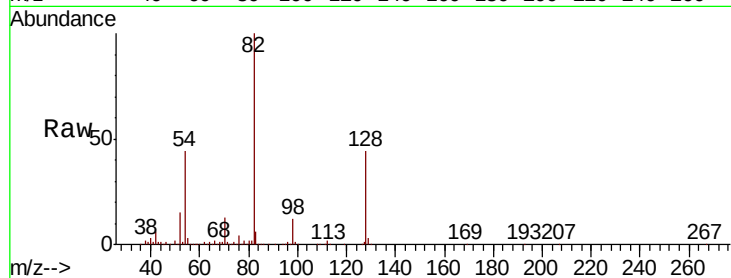
Tgt Ion: 82 Resp: 329702

Ion Ratio Lower Upper

82 100

128 44.0 32.2 48.4

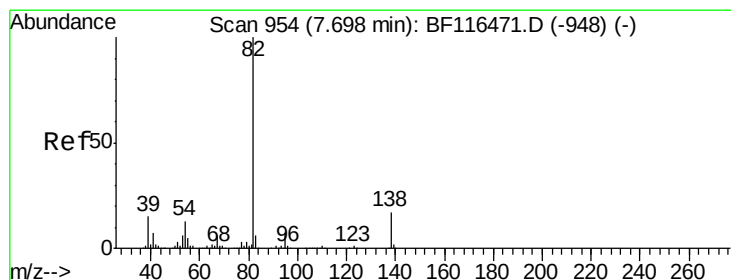
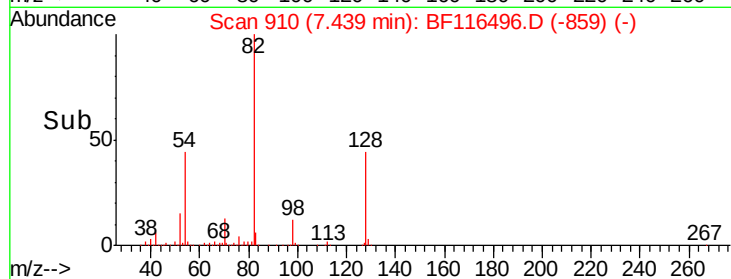
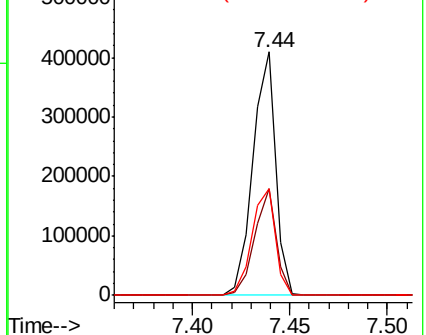
54 44.0 36.5 54.7



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 33.142 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

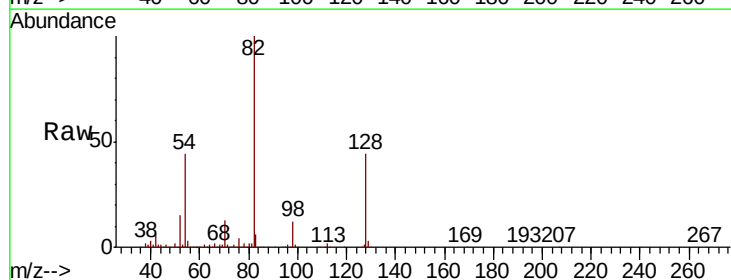
Tgt Ion: 82 Resp: 328474

Ion Ratio Lower Upper

82 100

95 0.2 5.3 7.9#

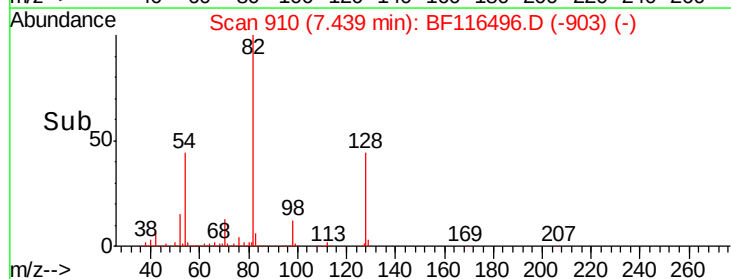
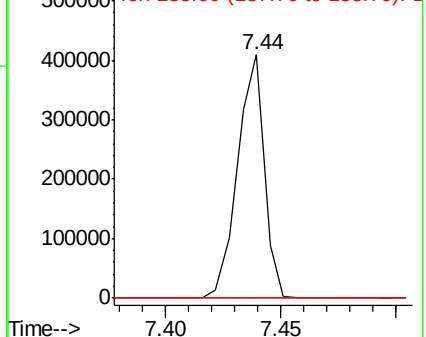
138 0.0 13.3 19.9#

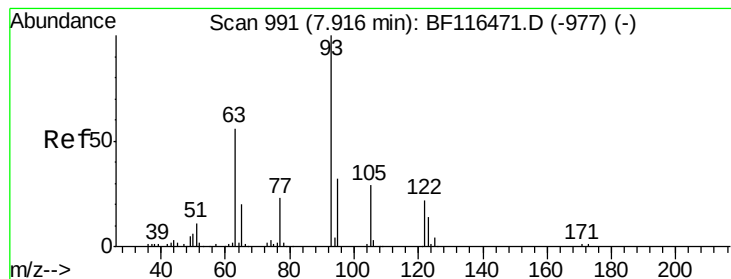


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#32

Benzoic acid

Concen: 3.007 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.06 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

Instrument :

BNA_F

ClientSampleId :

T8-D-(0-2)

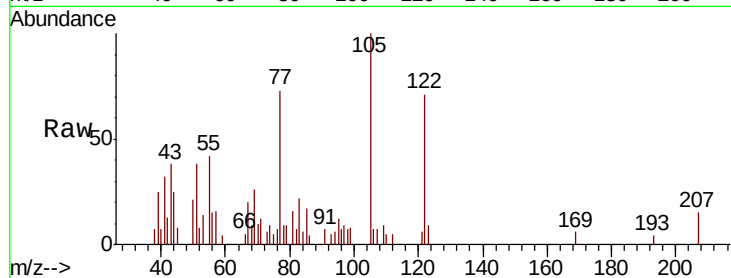
Tgt Ion:122 Resp: 7631

Ion Ratio Lower Upper

122 100

105 141.7 109.9 149.9

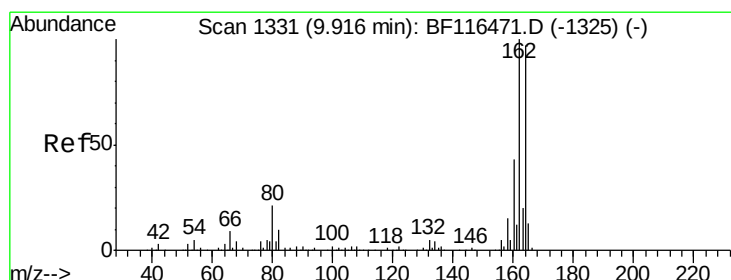
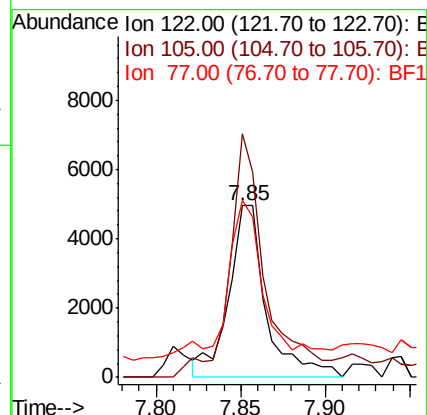
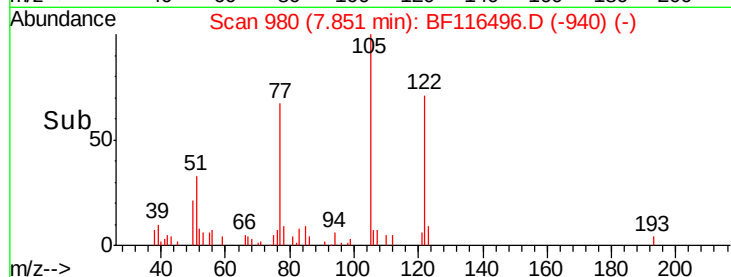
77 103.1 84.9 124.9



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

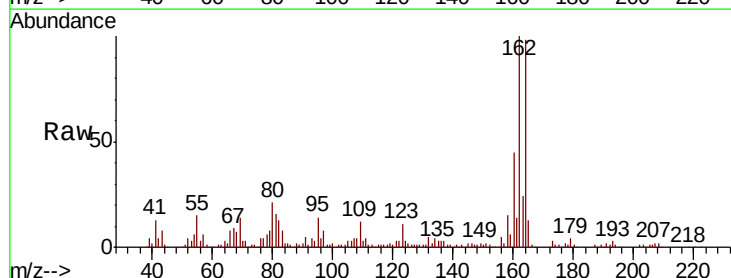
Tgt Ion:164 Resp: 126613

Ion Ratio Lower Upper

164 100

162 101.9 82.6 123.8

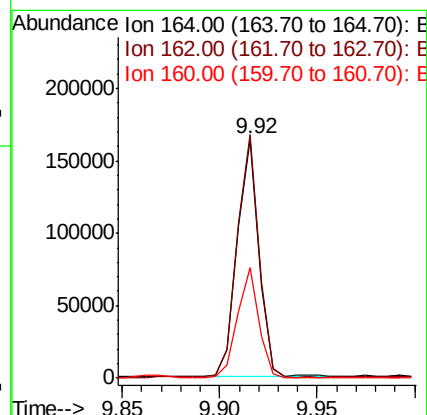
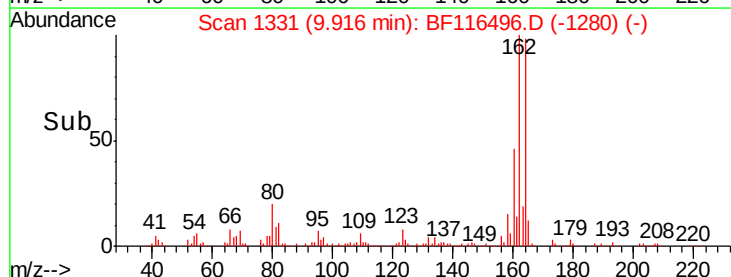
160 46.1 35.8 53.8

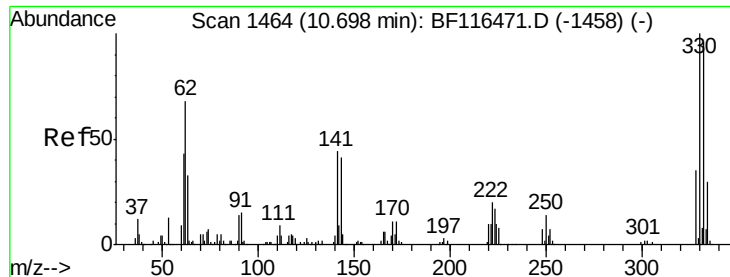


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

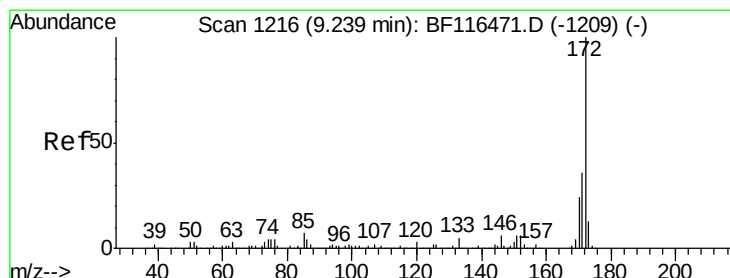
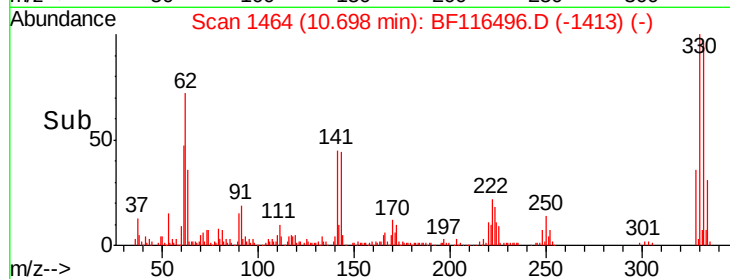
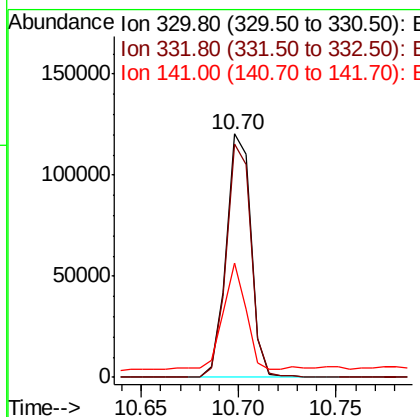
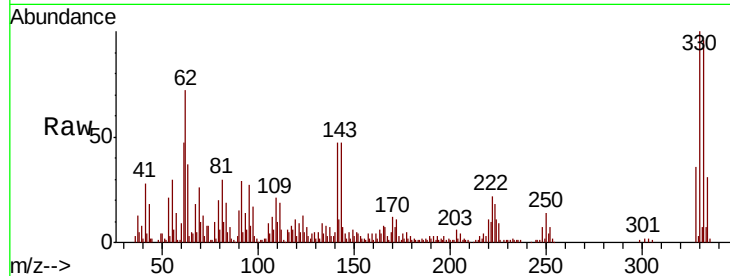




#42
 2,4,6-Tribromophenol
 Concen: 97.963 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116496.D
 Acq: 23 Aug 2019 23:57

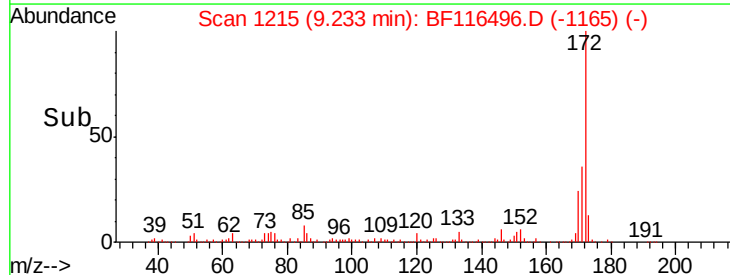
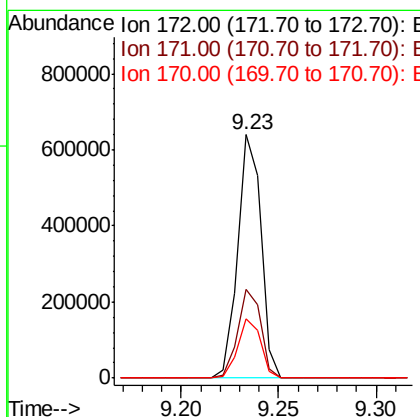
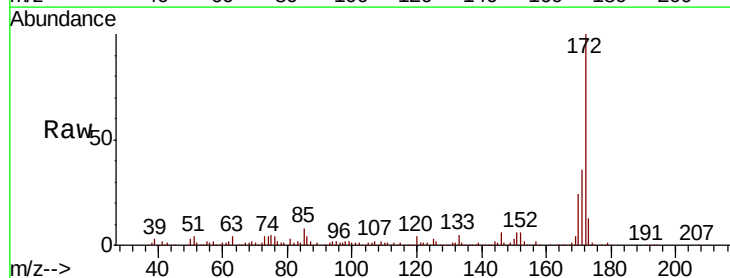
Instrument :
 BNA_F
 ClientSampleId :
 T8-D-(0-2)

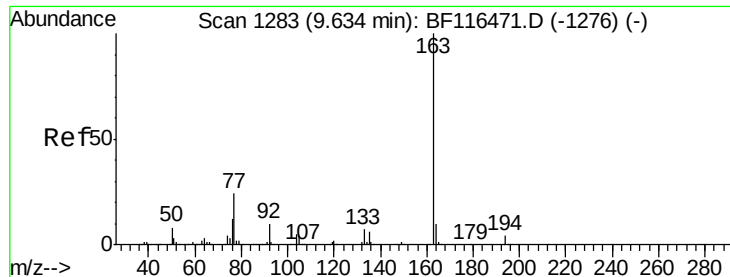
Tgt Ion:330 Resp: 106504
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.2 115.8
 141 43.1 33.3 49.9



#45
 2-Fluorobiphenyl
 Concen: 67.097 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF116496.D
 Acq: 23 Aug 2019 23:57

Tgt Ion:172 Resp: 527532
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.9 43.3
 170 24.2 19.4 29.0

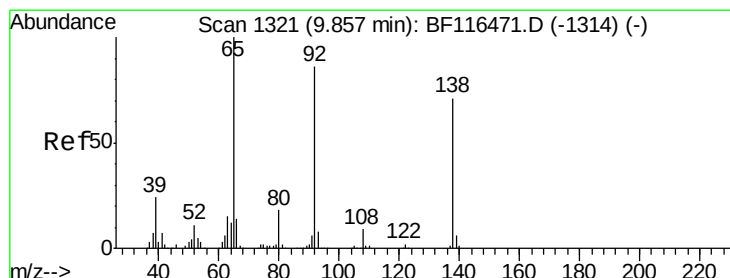
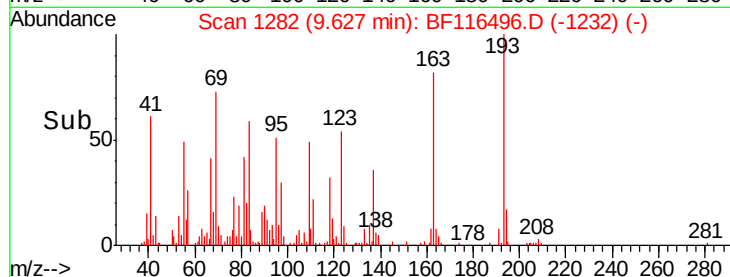
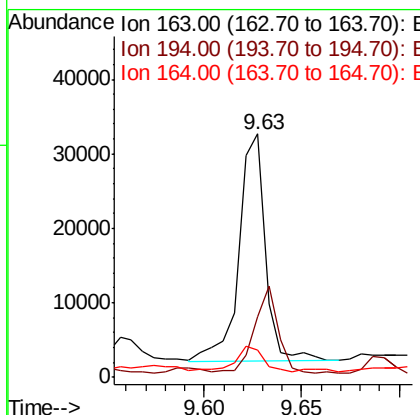
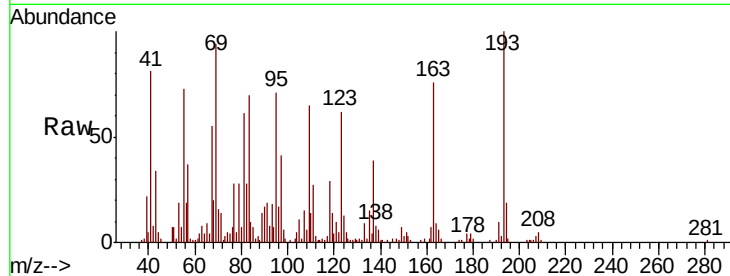




#50
Dimethylphthalate
Concen: 3.257 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF116496.D
Acq: 23 Aug 2019 23:57

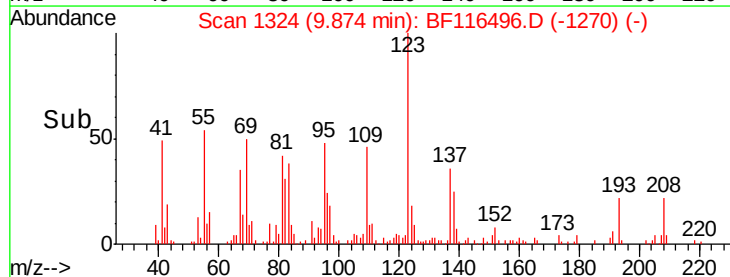
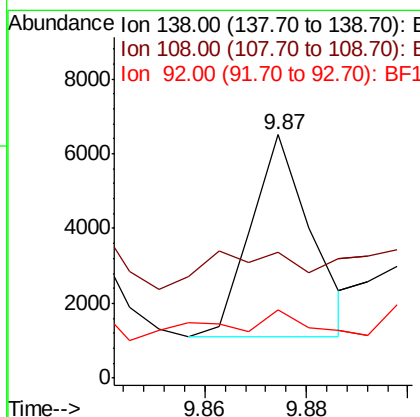
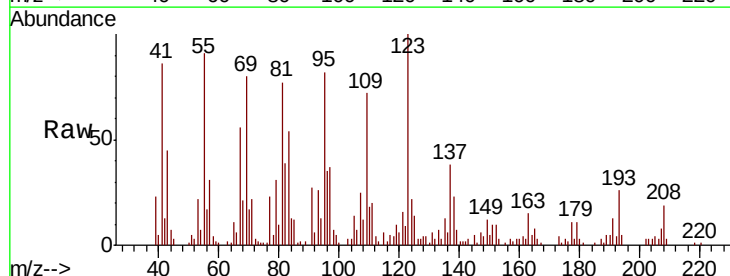
Instrument :
BNA_F
ClientSampleId :
T8-D-(0-2)

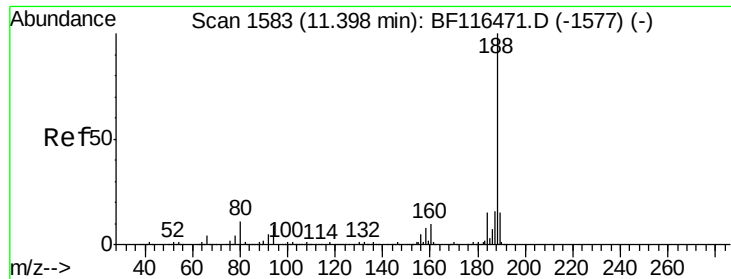
Tgt Ion:163 Resp: 28772
Ion Ratio Lower Upper
163 100
194 24.9 2.9 4.3#
164 11.4 8.2 12.2



#53
3-Nitroaniline
Concen: 2.069 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.02 min
Lab File: BF116496.D
Acq: 23 Aug 2019 23:57

Tgt Ion:138 Resp: 4460
Ion Ratio Lower Upper
138 100
108 51.5 10.0 15.0#
92 28.2 97.7 146.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

Instrument :

BNA_F

ClientSampleId :

T8-D-(0-2)

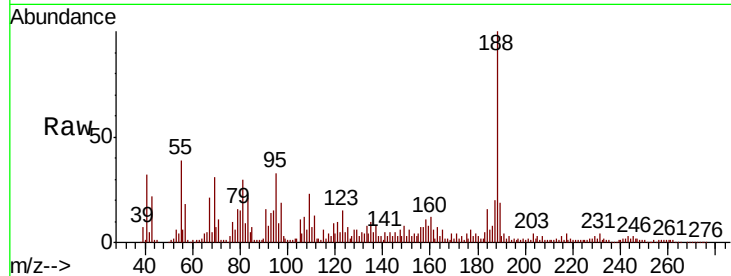
Tgt Ion:188 Resp: 209941

Ion Ratio Lower Upper

188 100

94 14.7 7.4 11.2#

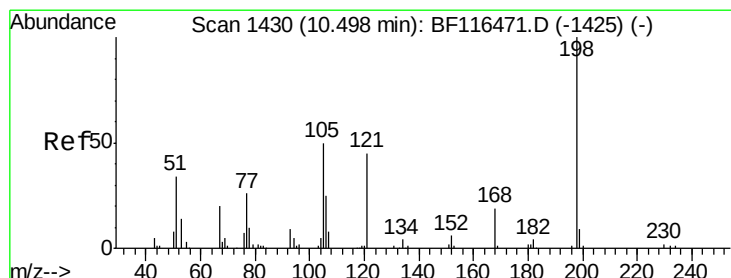
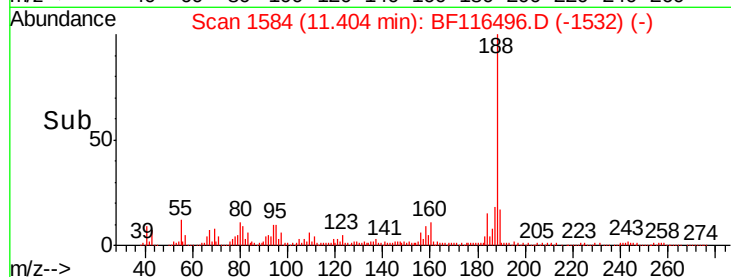
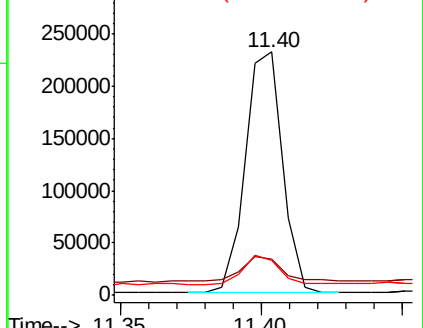
80 14.5 8.6 12.8#



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: 7.681 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.01 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

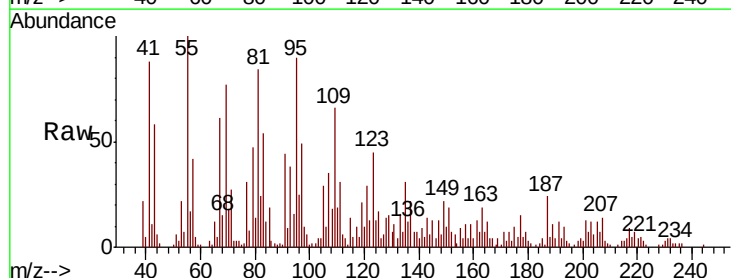
Tgt Ion:198 Resp: 681

Ion Ratio Lower Upper

198 100

51 215.8 30.4 70.4#

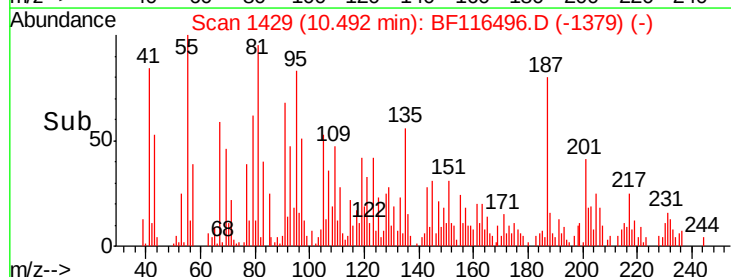
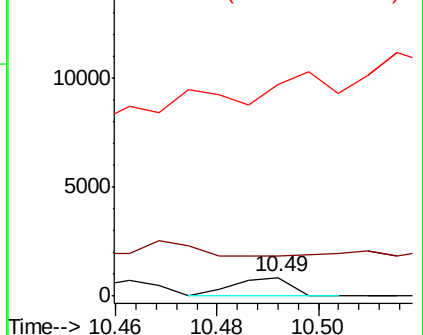
105 1126.7 32.8 72.8#

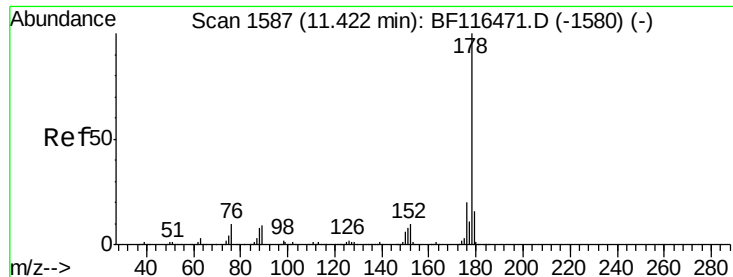


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 4.564 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

Instrument :

BNA_F

ClientSampleId :

T8-D-(0-2)

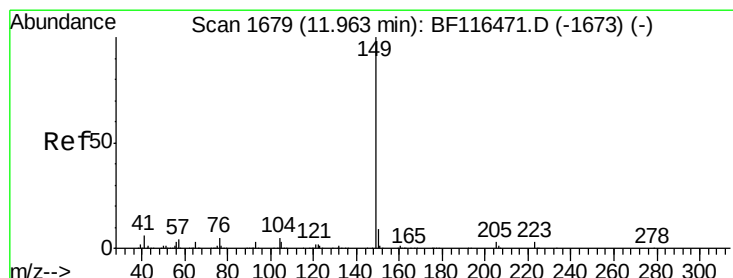
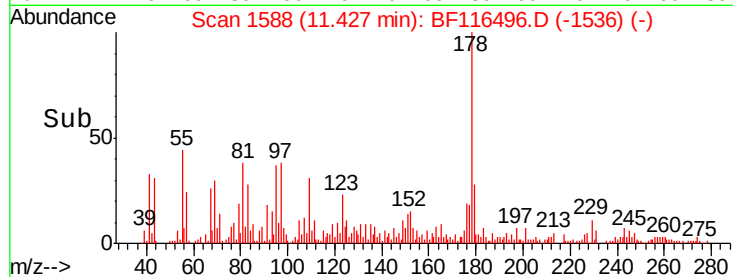
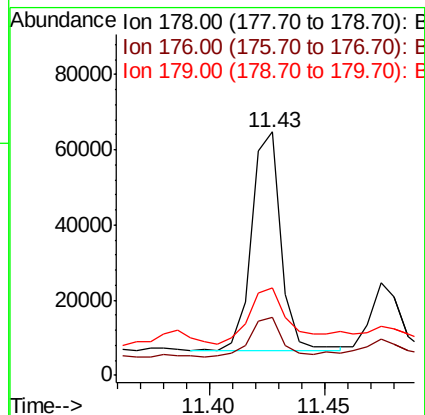
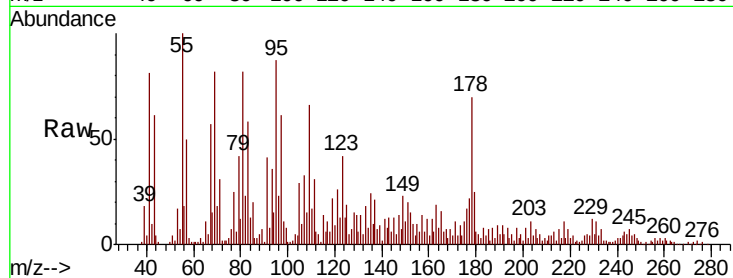
Tgt Ion:178 Resp: 52193

Ion Ratio Lower Upper

178 100

176 23.7 15.8 23.6#

179 36.0 12.8 19.2#



#74

Di-n-butylphthalate

Concen: 3.769 ng

RT: 11.96 min Scan# 1679

Delta R.T. -0.00 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

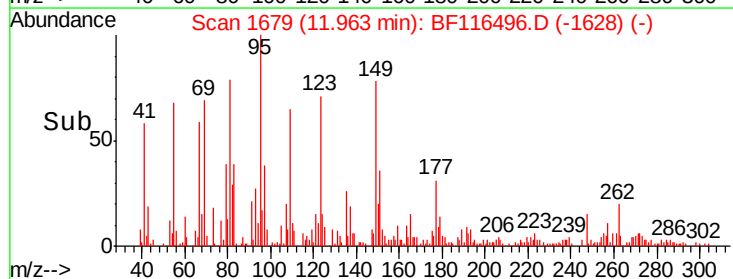
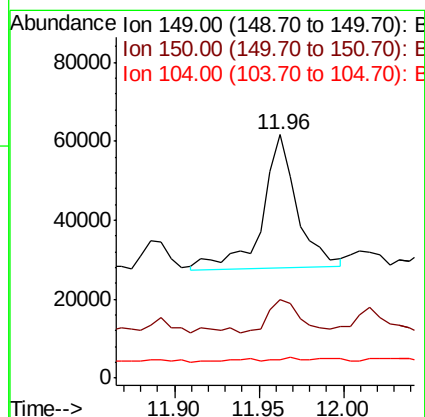
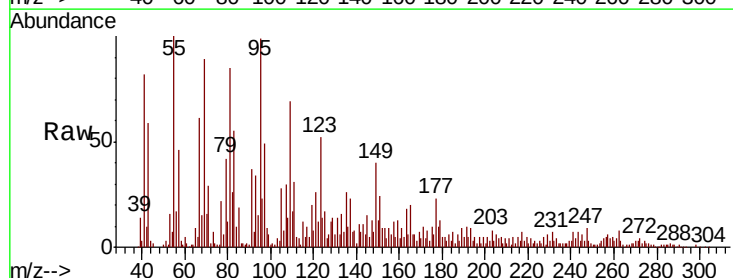
Tgt Ion:149 Resp: 48173

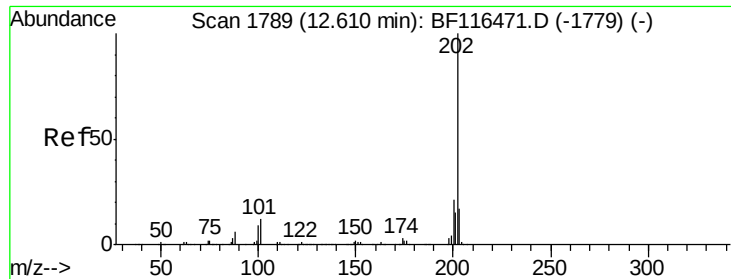
Ion Ratio Lower Upper

149 100

150 32.2 7.5 11.3#

104 7.6 4.1 6.1#





#75

Fluoranthene

Concen: 13.391 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.02 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

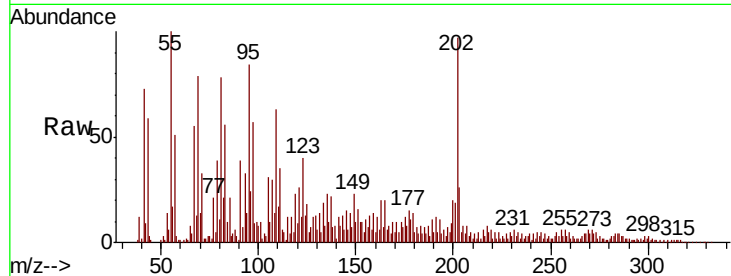
Instrument :

BNA_F

ClientSampleId :

T8-D-(0-2)

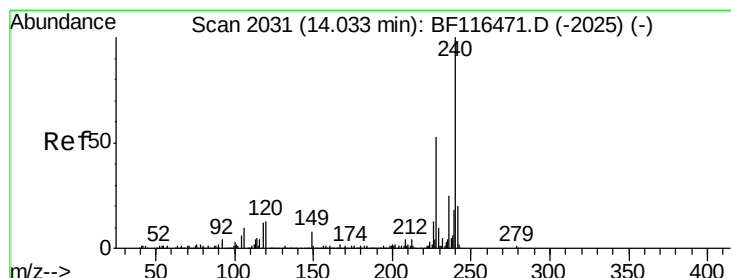
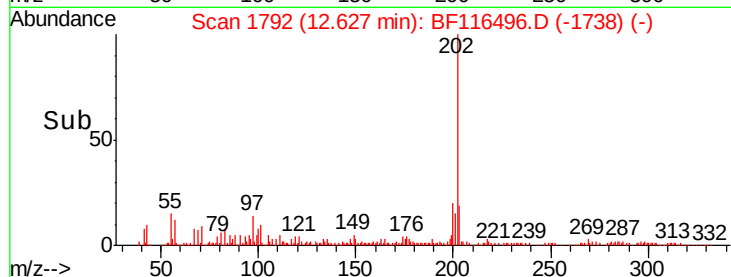
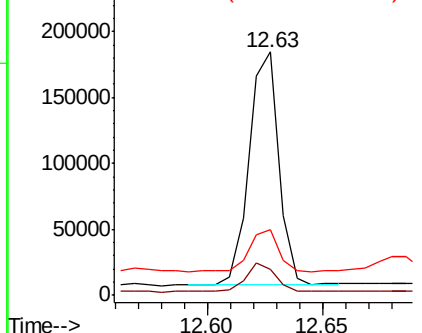
Tgt Ion:	202	Resp:	158337
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.5
203	26.7	0.0	37.5



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

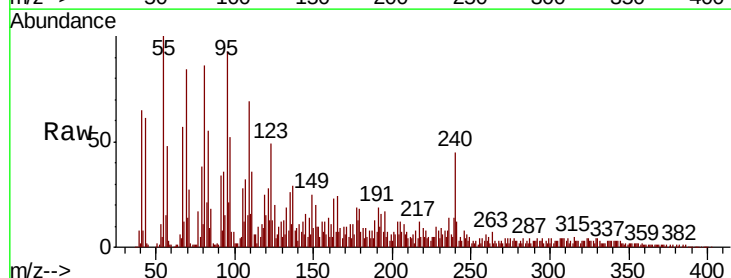
RT: 14.07 min Scan# 2038

Delta R.T. 0.04 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

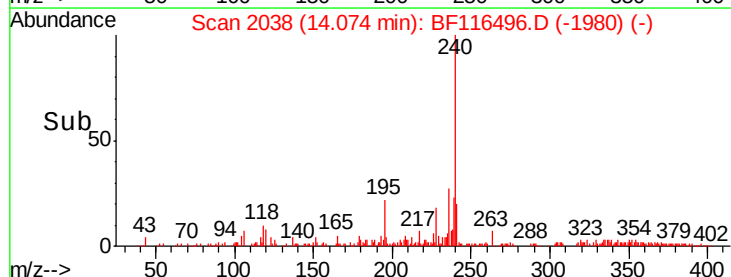
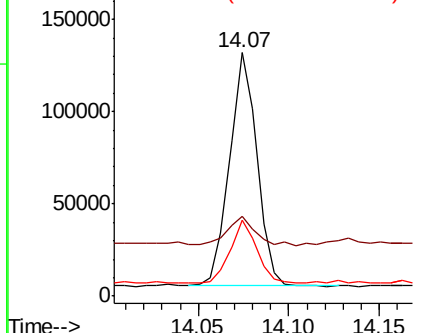
Tgt Ion:	240	Resp:	133924
Ion	Ratio	Lower	Upper
240	100		
120	33.0	10.5	15.7#
236	31.4	20.2	30.2#

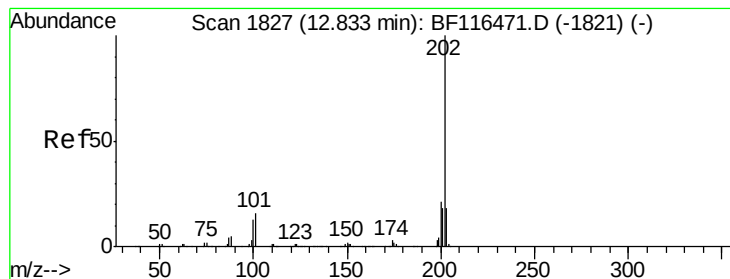


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 16.449 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.02 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

Instrument :

BNA_F

ClientSampled :

T8-D-(0-2)

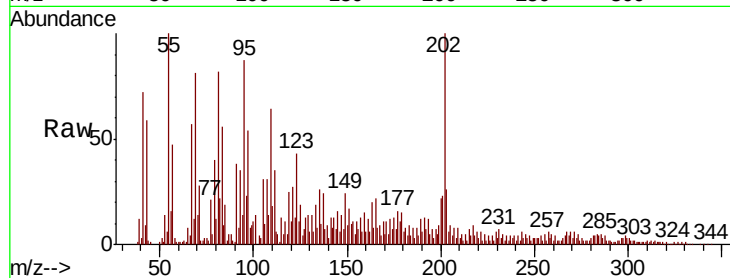
Tgt Ion:202 Resp: 176165

Ion Ratio Lower Upper

202 100

200 22.0 17.0 25.4

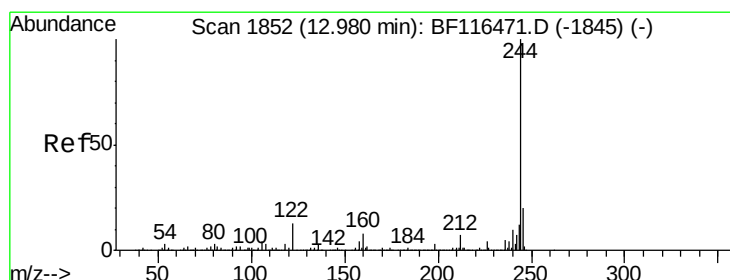
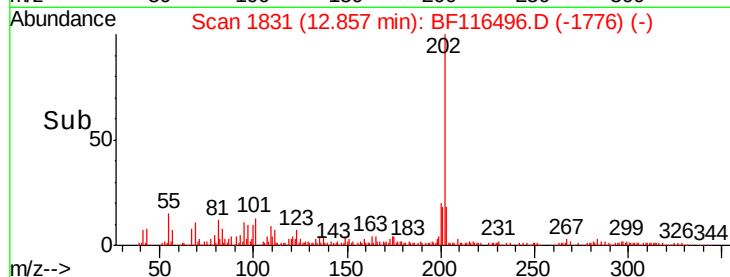
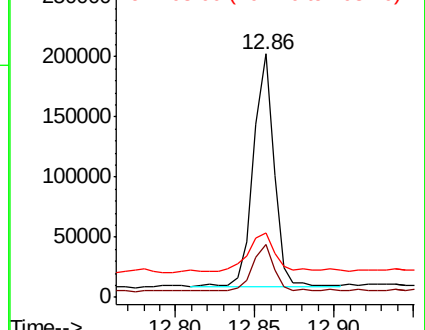
203 26.3 14.2 21.4#



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: 70.449 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.02 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

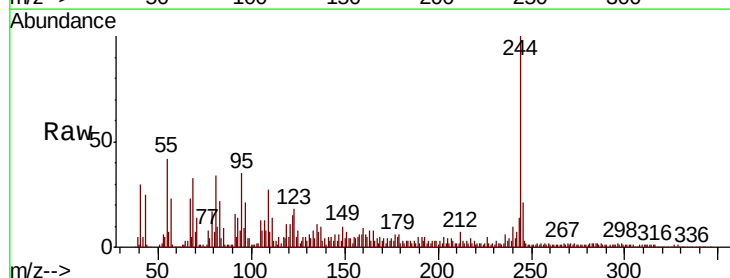
Tgt Ion:244 Resp: 505104

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

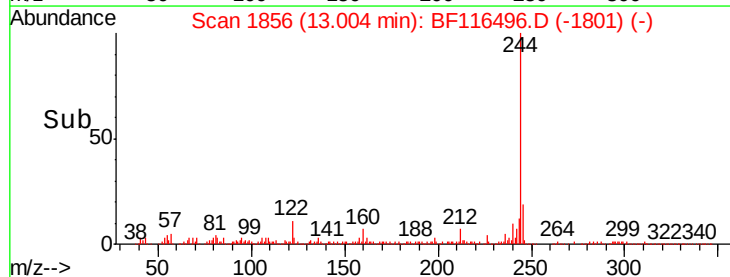
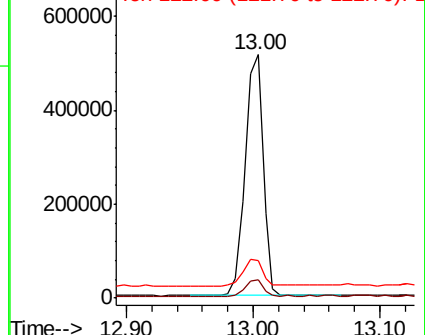
122 15.3 10.2 15.4

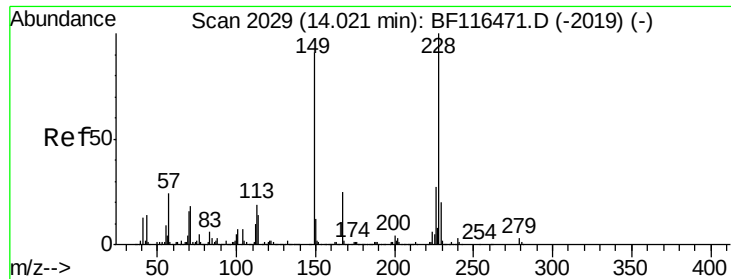


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

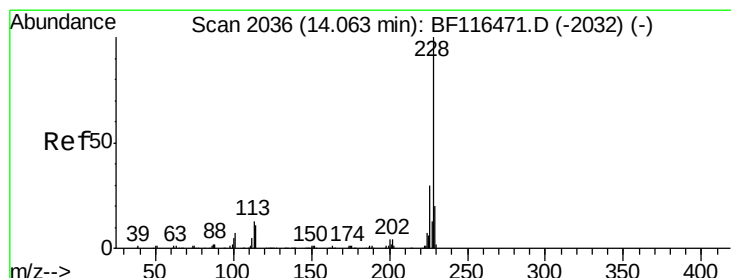
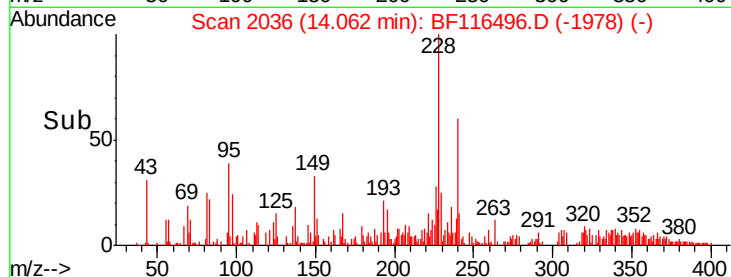
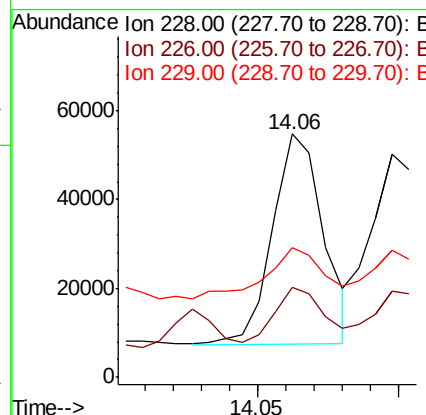
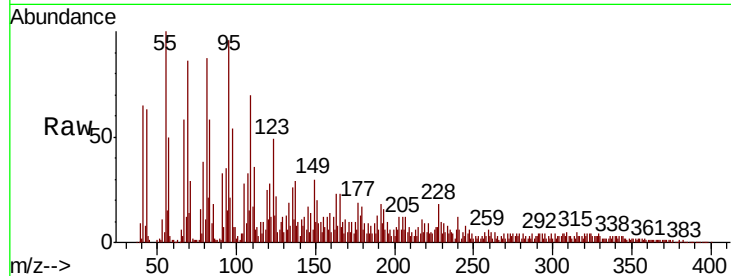




#81
Benzo(a)anthracene
Concen: 6.846 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.04 min
Lab File: BF116496.D
Acq: 23 Aug 2019 23:57

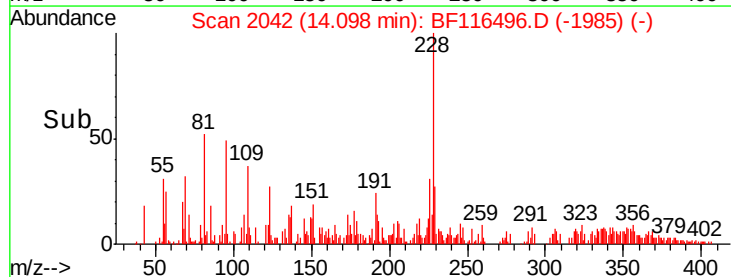
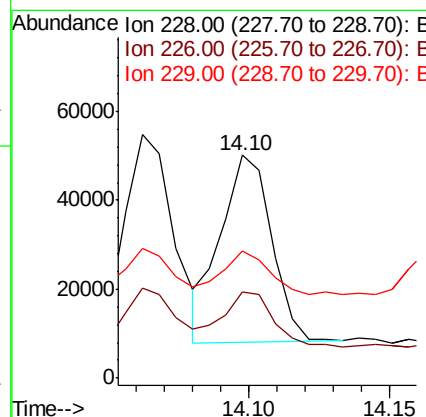
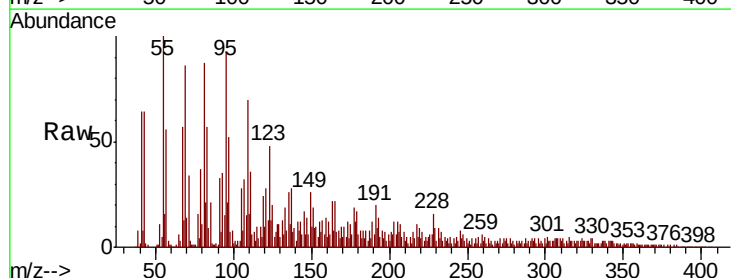
Instrument :
BNA_F
ClientSampleId :
T8-D-(0-2)

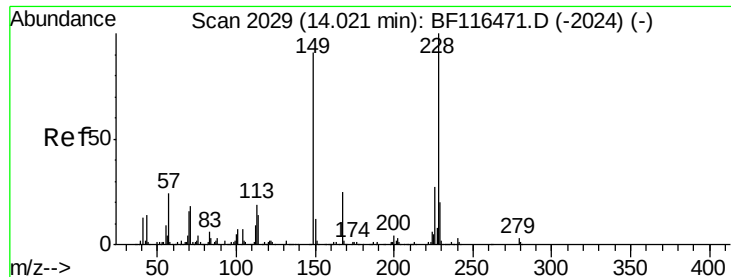
Tgt Ion:228 Resp: 59385
Ion Ratio Lower Upper
228 100
226 36.8 21.8 32.6#
229 53.0 15.9 23.9#



#83
Chrysene
Concen: 6.030 ng
RT: 14.10 min Scan# 2042
Delta R.T. 0.04 min
Lab File: BF116496.D
Acq: 23 Aug 2019 23:57

Tgt Ion:228 Resp: 53010
Ion Ratio Lower Upper
228 100
226 38.6 24.2 36.2#
229 56.9 15.8 23.6#

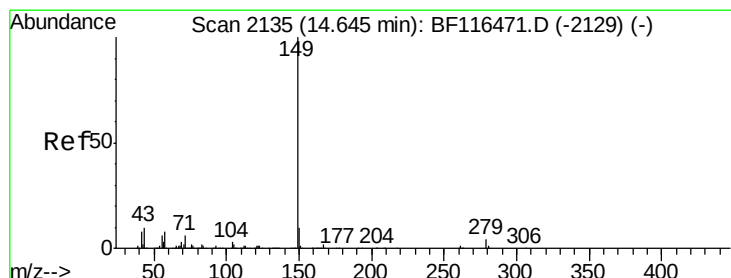
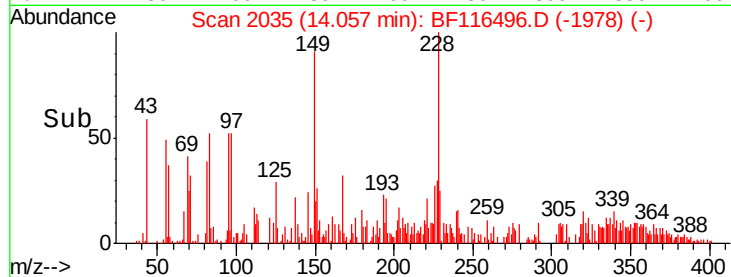
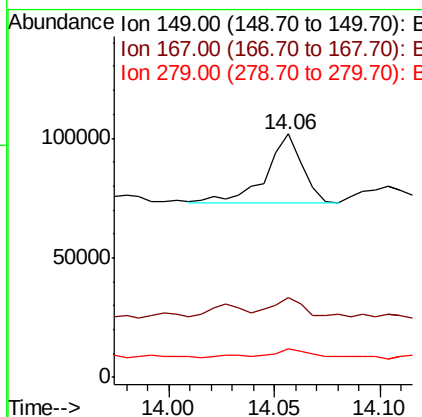
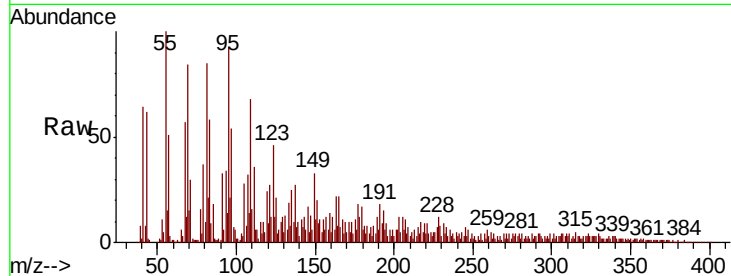




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.544 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.04 min
 Lab File: BF116496.D
 Acq: 23 Aug 2019 23:57

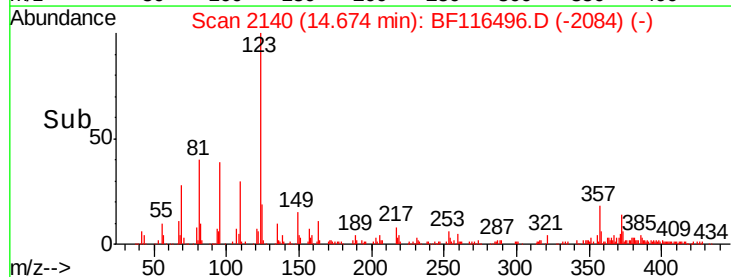
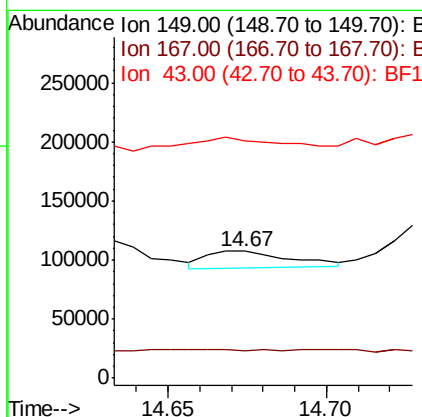
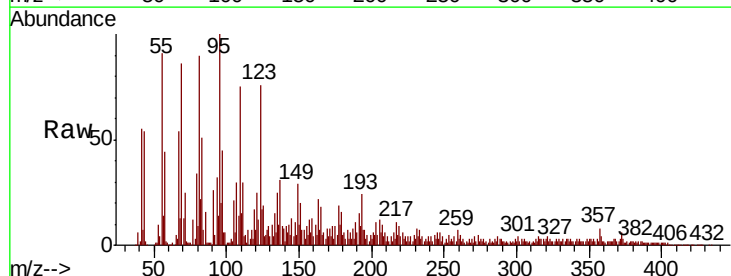
Instrument :
 BNA_F
 ClientSampleId :
 T8-D-(0-2)

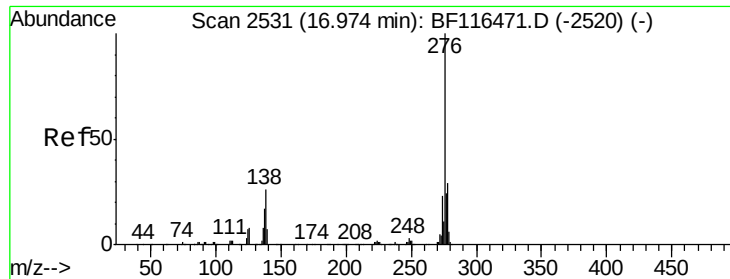
Tgt Ion:149 Resp: 34193
 Ion Ratio Lower Upper
 149 100
 167 32.5 21.8 32.6
 279 11.6 3.0 4.4#



#85
 Di-n-octyl phthalate
 Concen: 2.405 ng
 RT: 14.67 min Scan# 2140
 Delta R.T. 0.03 min
 Lab File: BF116496.D
 Acq: 23 Aug 2019 23:57

Tgt Ion:149 Resp: 25187
 Ion Ratio Lower Upper
 149 100
 167 17.5 1.3 1.9#
 43 110.1 7.8 11.8#





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.524 ng

RT: 17.14 min Scan# 2560

Delta R.T. 0.17 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

Instrument :

BNA_F

ClientSampleId :

T8-D-(0-2)

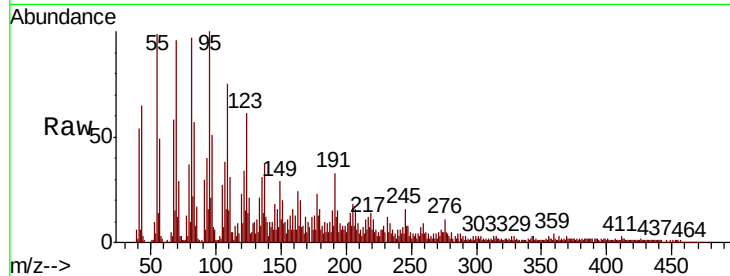
Tgt Ion:276 Resp: 26542

Ion Ratio Lower Upper

276 100

138 32.8 22.9 34.3

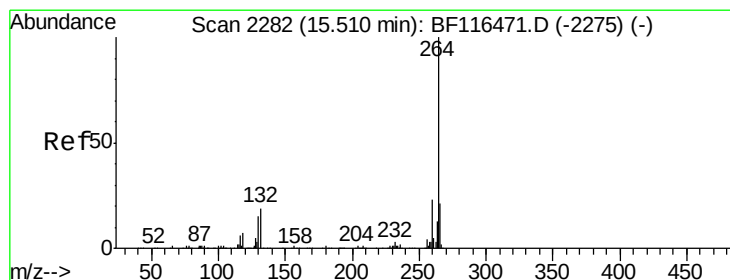
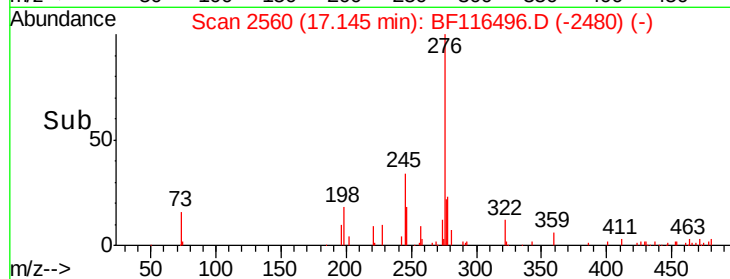
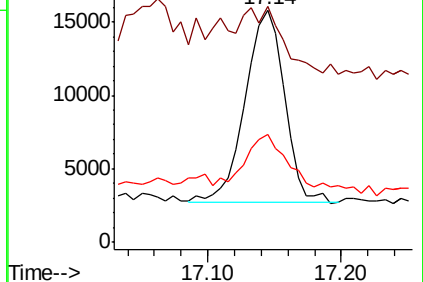
277 26.2 19.9 29.9



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: 15.63 min Scan# 2302

Delta R.T. 0.12 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

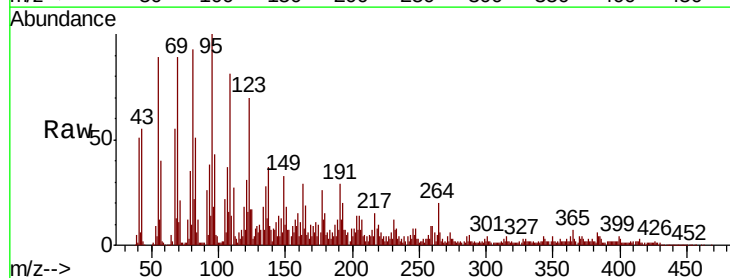
Tgt Ion:264 Resp: 112535

Ion Ratio Lower Upper

264 100

260 41.9 18.8 28.2#

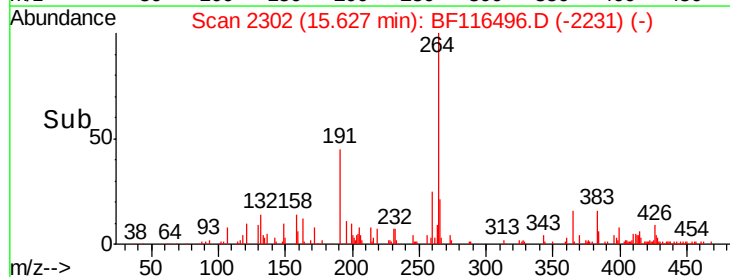
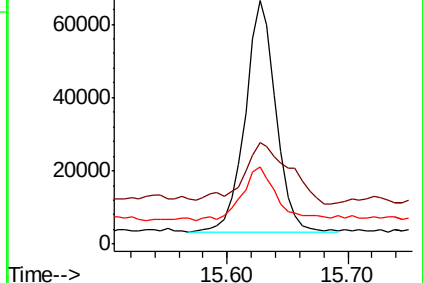
265 31.7 17.1 25.7#

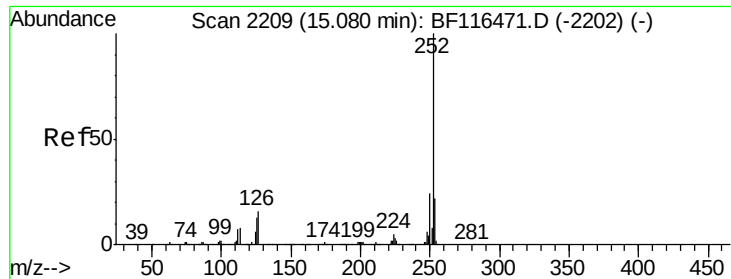


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

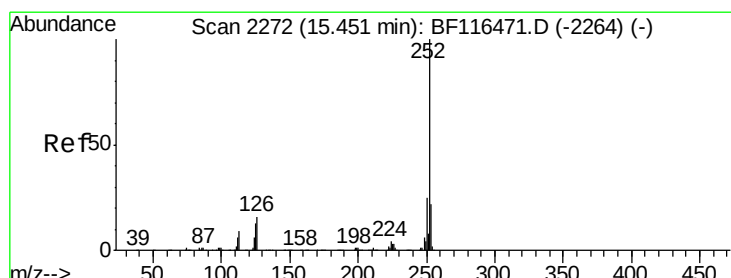
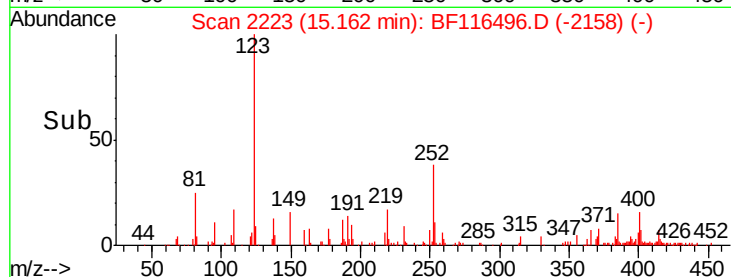
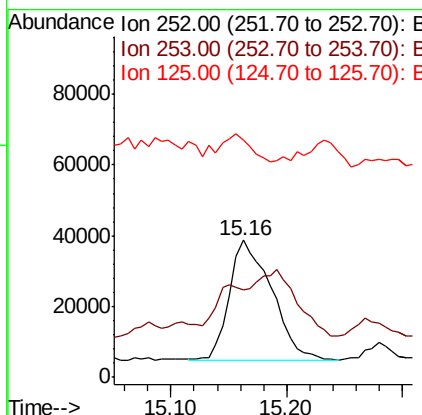
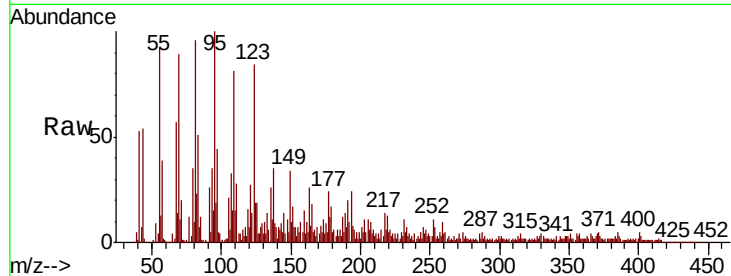




#88
Benzo(b)fluoranthene
Concen: 12.368 ng
RT: 15.16 min Scan# 2223
Delta R.T. 0.08 min
Lab File: BF116496.D
Acq: 23 Aug 2019 23:57

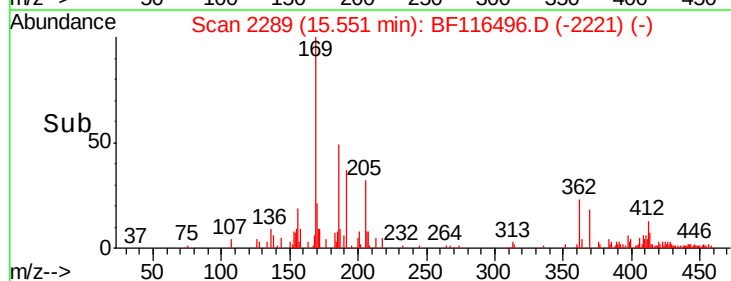
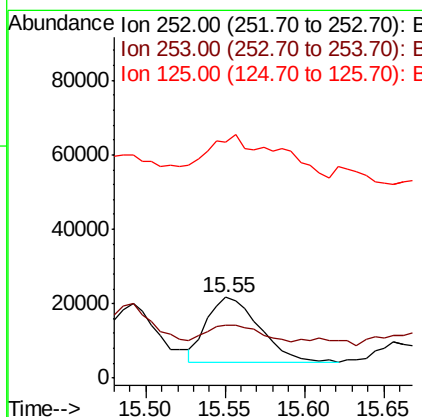
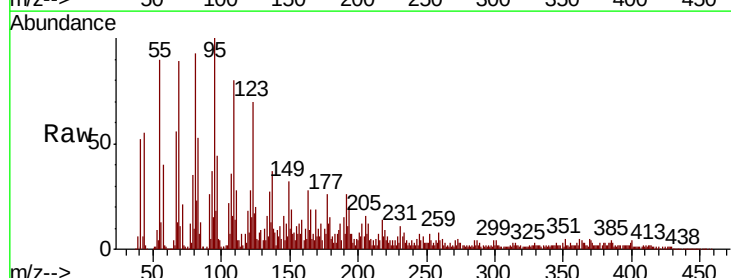
Instrument :
BNA_F
ClientSampleId :
T8-D-(0-2)

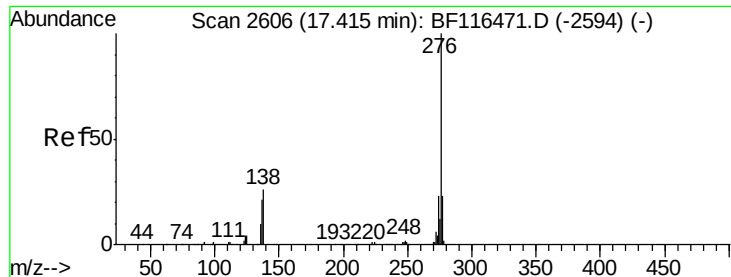
Tgt Ion:252 Resp: 85983
Ion Ratio Lower Upper
252 100
253 64.0 17.5 26.3#
125 173.0 10.1 15.1#



#90
Benzo(a)pyrene
Concen: 6.741 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.10 min
Lab File: BF116496.D
Acq: 23 Aug 2019 23:57

Tgt Ion:252 Resp: 41418
Ion Ratio Lower Upper
252 100
253 65.0 17.2 25.8#
125 292.4 10.2 15.4#





#92

Benzo(g,h,i)perylene

Concen: 5.707 ng

RT: 17.59 min Scan# 2636

Delta R.T. 0.18 min

Lab File: BF116496.D

Acq: 23 Aug 2019 23:57

Instrument :

BNA_F

ClientSampleId :

T8-D-(0-2)

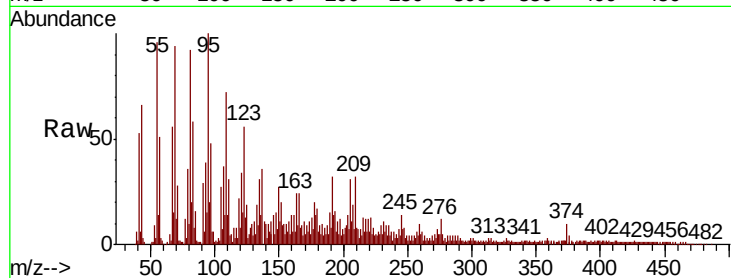
Tgt Ion: 276 Resp: 27468

Ion Ratio Lower Upper

276 100

277 44.6 18.7 28.1#

138 90.0 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

