

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 04:40:59 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

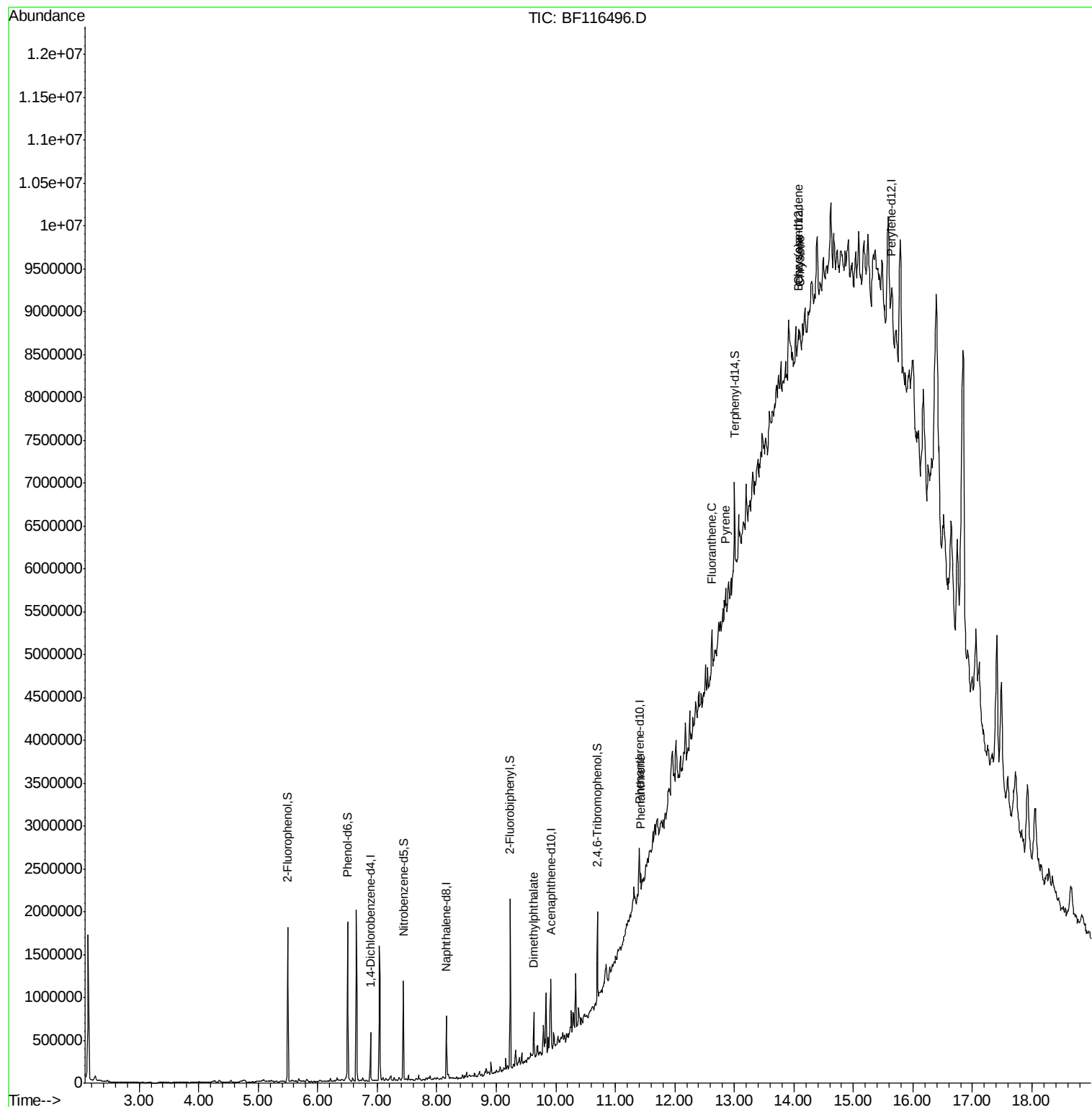
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	82812	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	275157	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	126613	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	209941	20.00	ng	0.00
76) Chrysene-d12	14.07	240	133924	20.00	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						
50) Dimethylphthalate	9.63	163	28772	3.257	ng	# 81
71) Phenanthrene	11.43	178	52193	4.564	ng	# 74
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

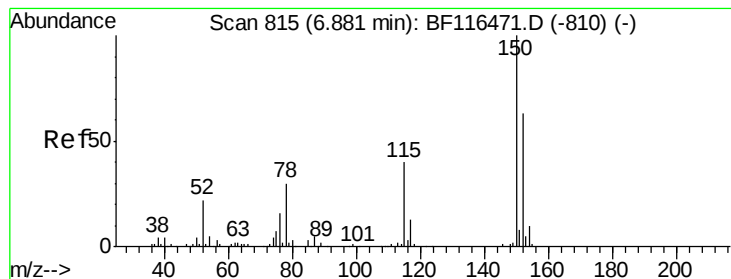
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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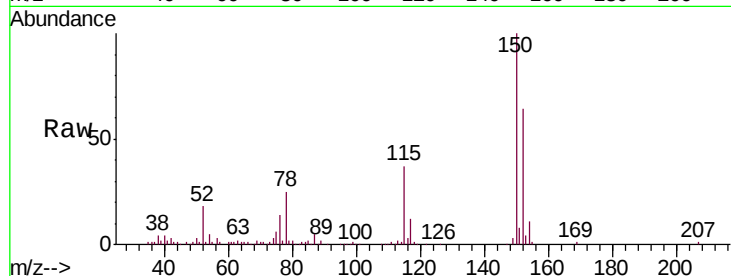


#1

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)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.7	190.1
115	57.6	50.9	76.3

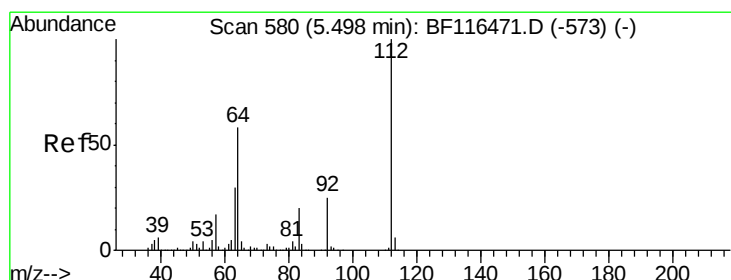
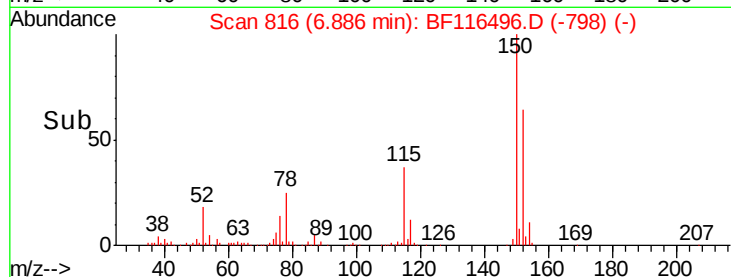
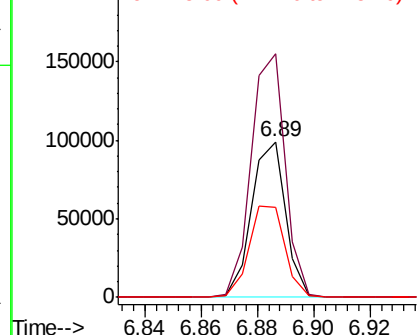


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

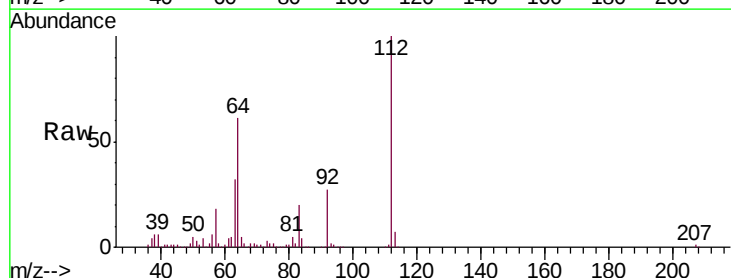
Ion 115.00 (114.70 to 115.70): E



#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	Ratio	Lower	Upper
112	100		
64	61.1	46.3	69.5
63	31.6	24.2	36.4

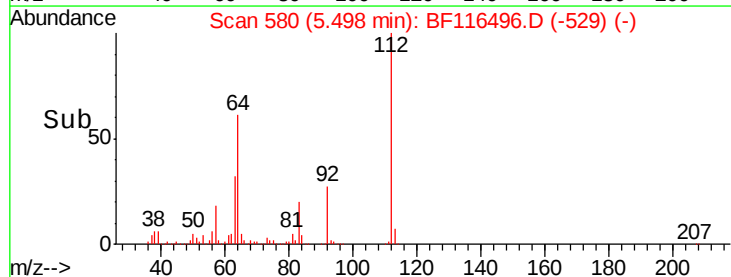
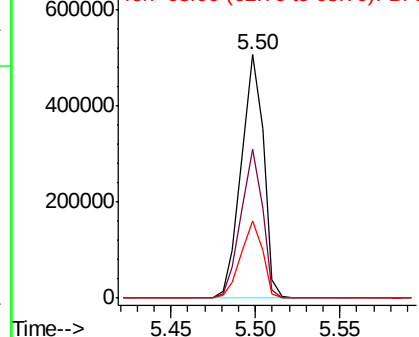


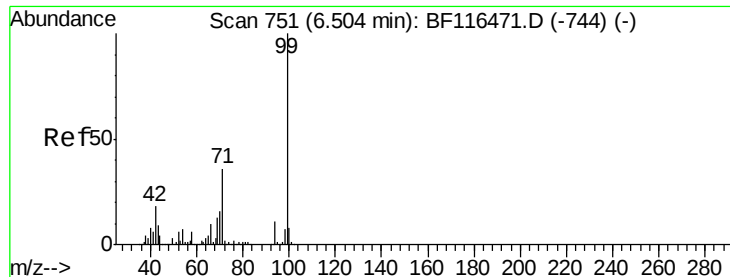
Abundance

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)

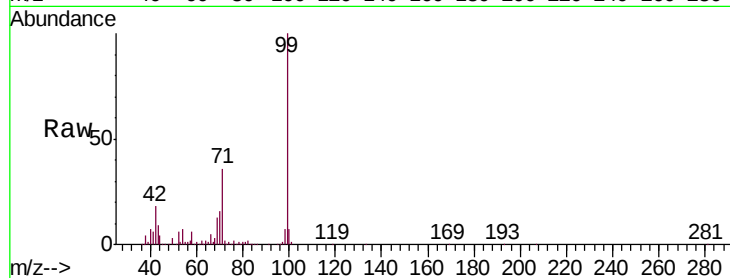
Tot Ion: 99 Resp: 565504

Ion Ratio Lower Upper

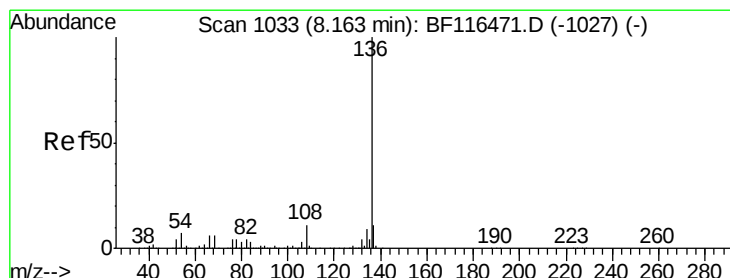
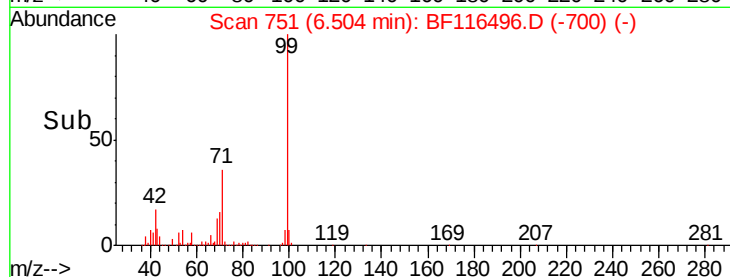
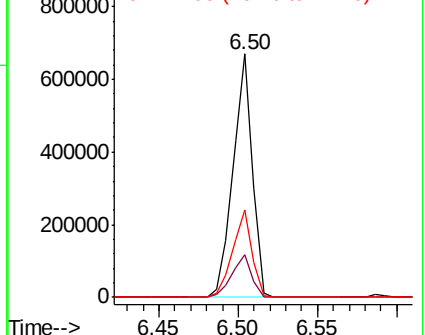
99 100

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

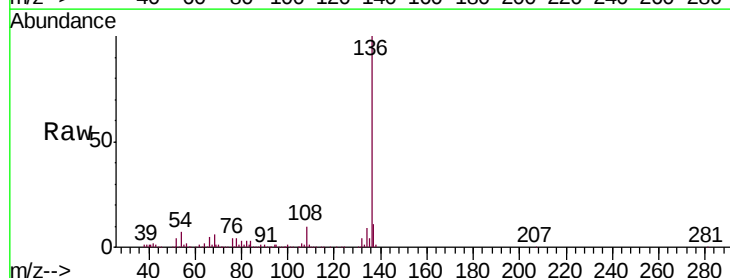
Ion Ratio Lower Upper

136 100

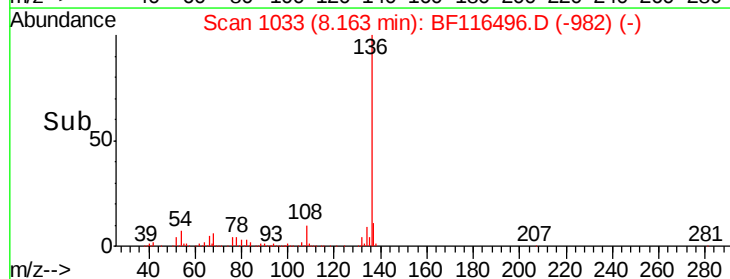
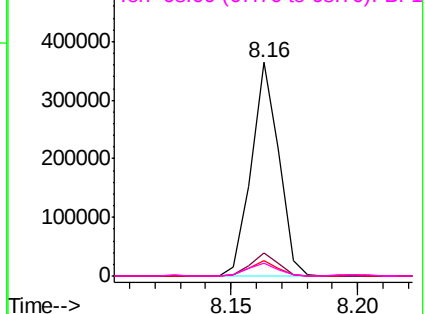
137 10.7 9.0 13.4

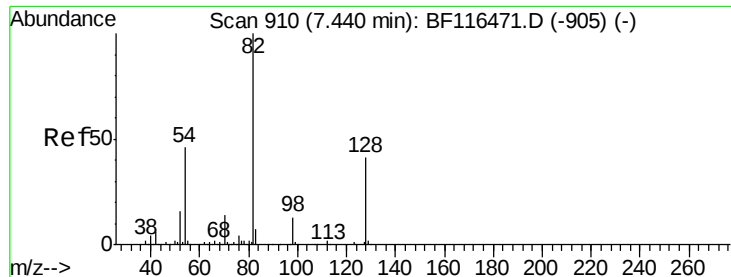
54 7.3 5.8 8.6

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)

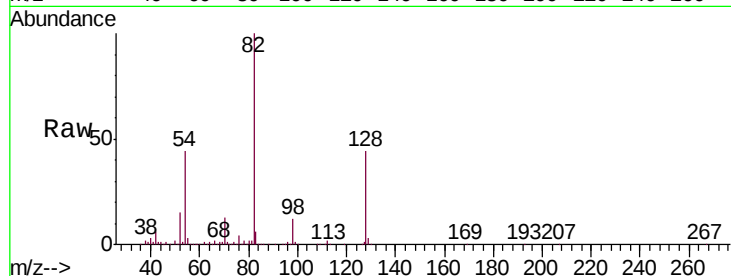
Tot Ion: 82 Resp: 329702

Ion Ratio Lower Upper

82 100

128 44.0 32.2 48.4

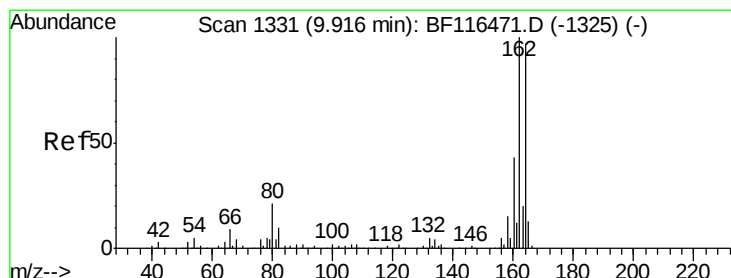
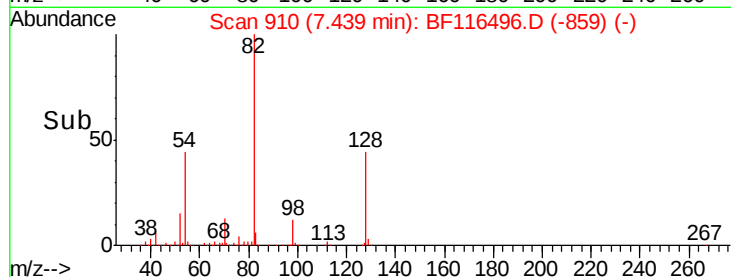
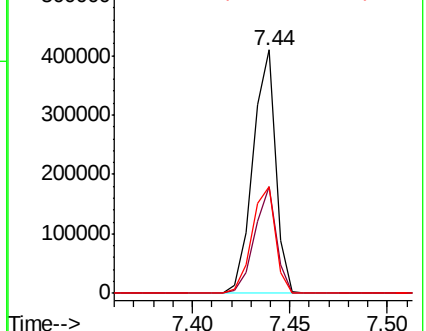
54 44.0 36.5 54.7



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



#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

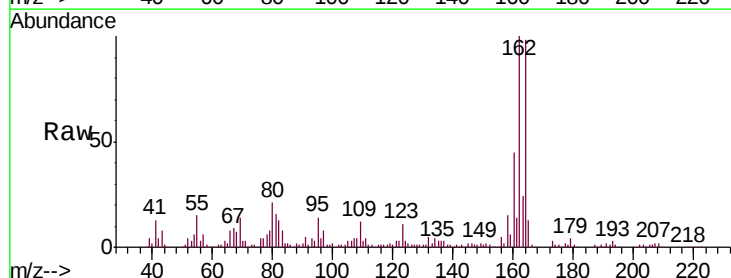
Tgt Ion:164 Resp: 126613

Ion Ratio Lower Upper

164 100

162 101.9 82.6 123.8

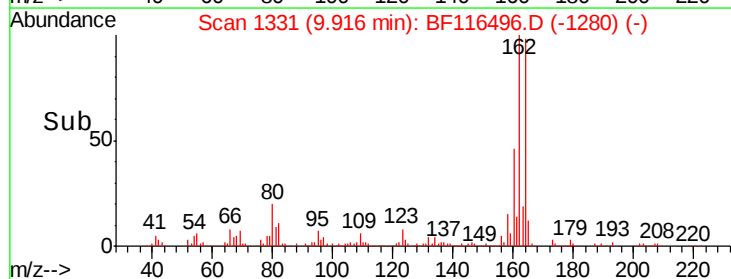
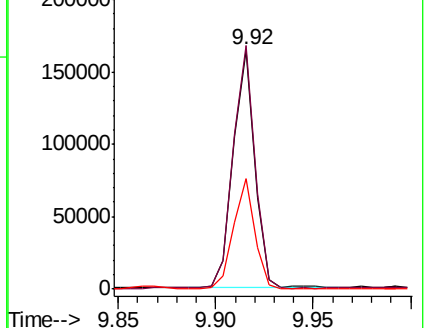
160 46.1 35.8 53.8

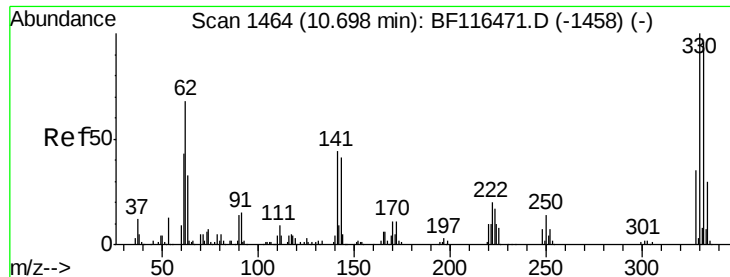


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

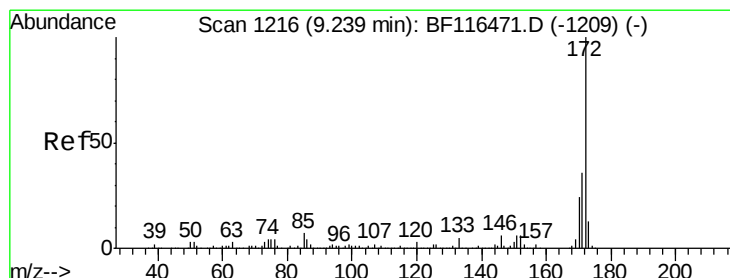
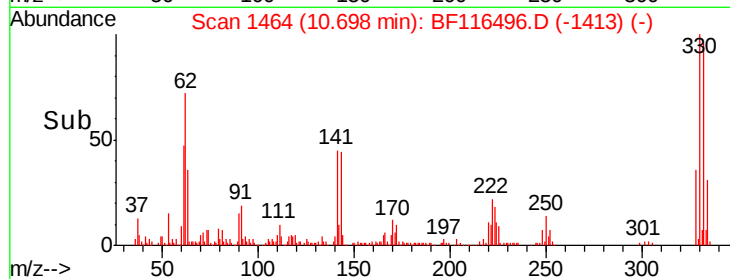
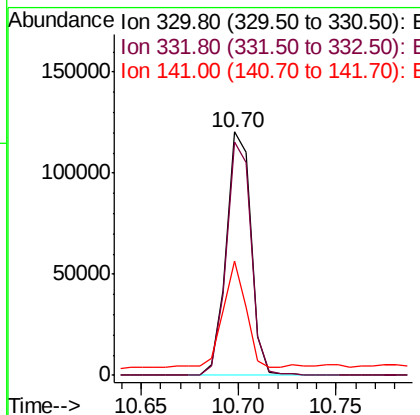
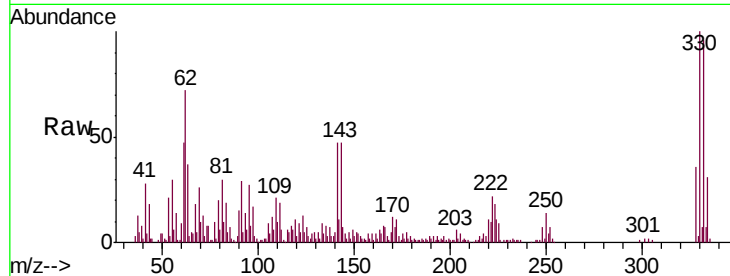




#42
 2,4,6-Tribromophenol
 Concen: 97.963 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116496.D
 Acq: 23 Aug 2019 23:57

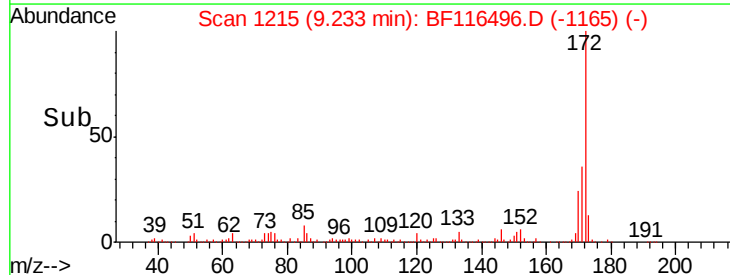
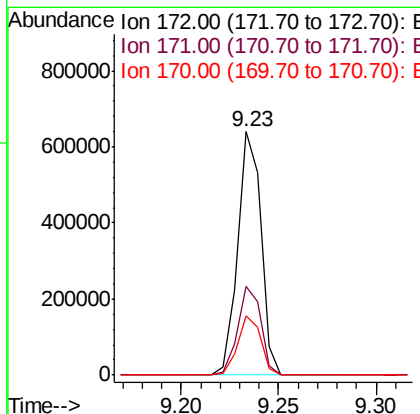
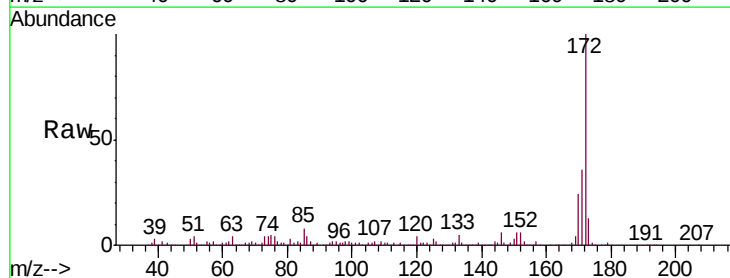
Instrument :
 BNA_F
 ClientSampleId :
 T8-D-(0-2)

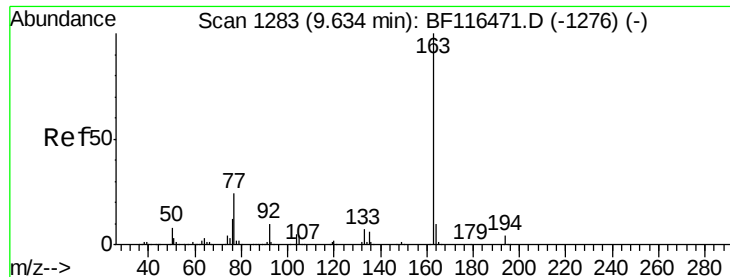
Tot Ion:	330	Resp:	106504
Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.2	115.8
141	43.1	33.3	49.9



#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)

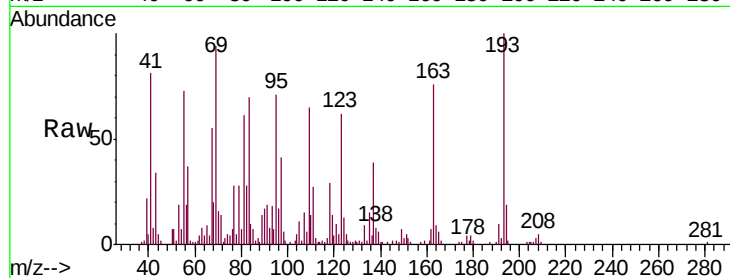
Tot Ion:163 Resp: 28772

Ion Ratio Lower Upper

163 100

194 24.9 2.9 4.3#

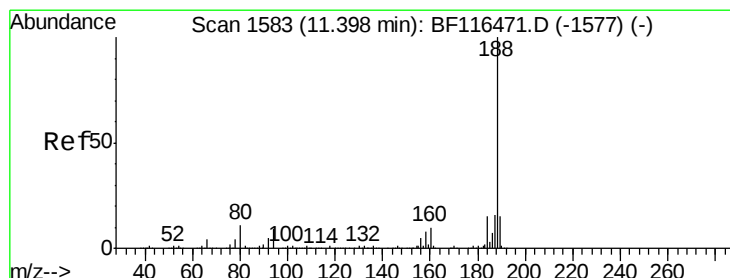
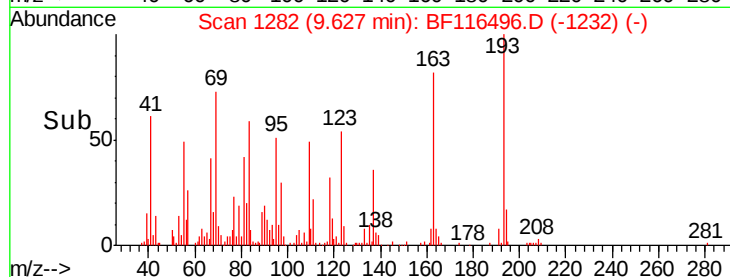
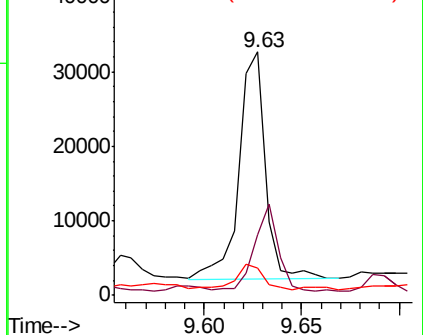
164 11.4 8.2 12.2



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



#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

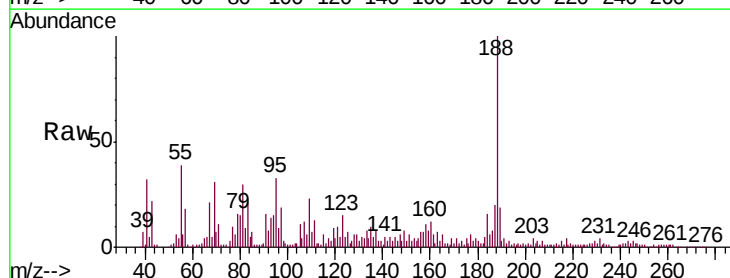
Tgt Ion:188 Resp: 209941

Ion Ratio Lower Upper

188 100

94 14.7 7.4 11.2#

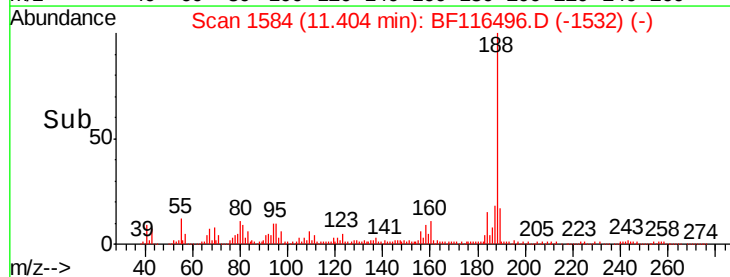
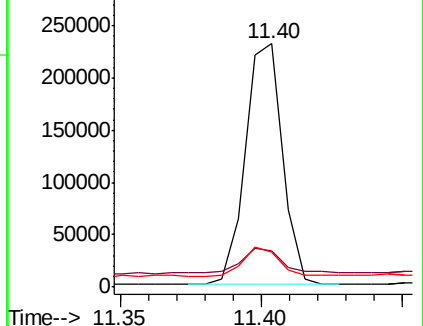
80 14.5 8.6 12.8#

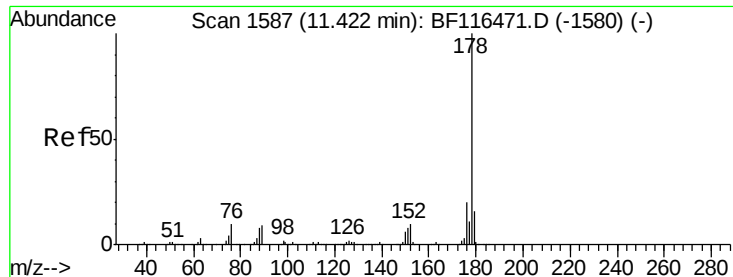


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

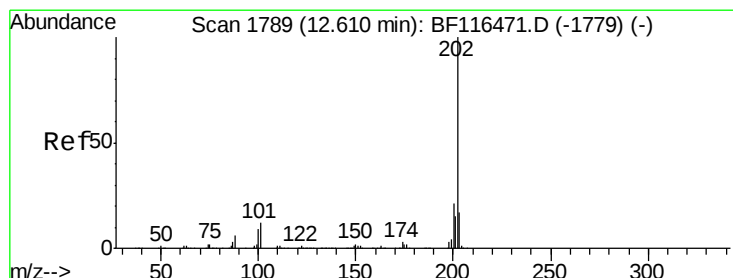
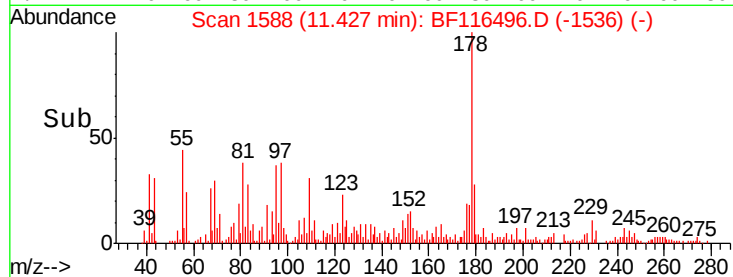
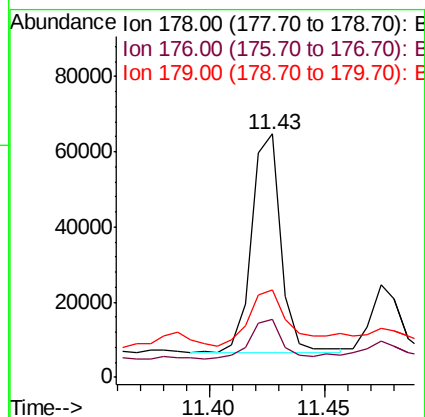
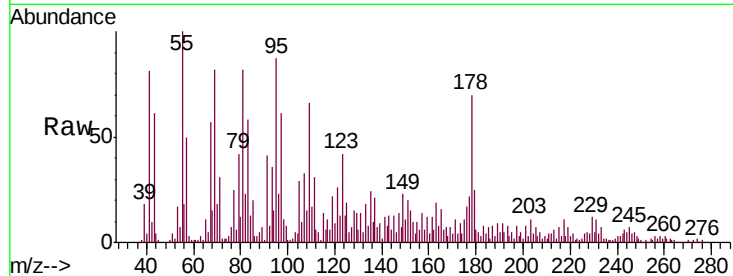




#71
Phenanthrene
Concen: 4.564 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF116496.D
Acq: 23 Aug 2019 23:57

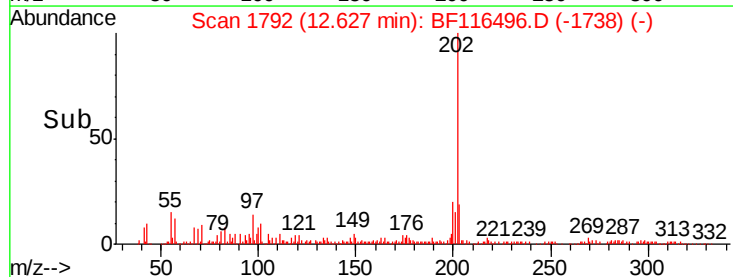
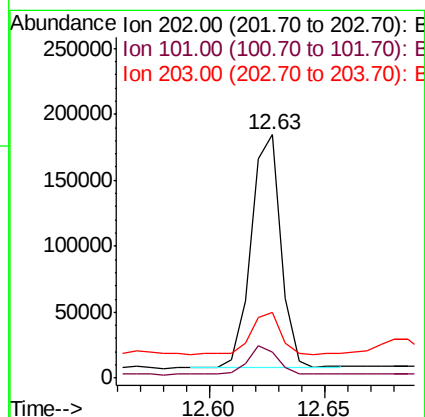
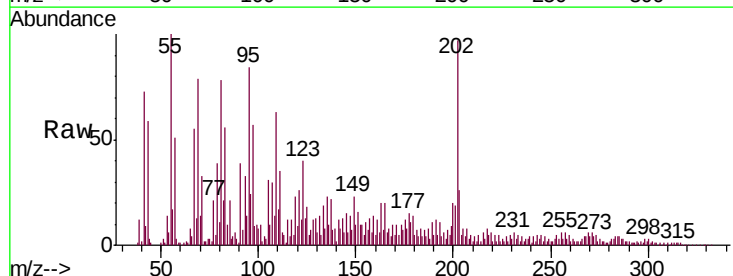
Instrument :
BNA_F
ClientSampleId :
T8-D-(0-2)

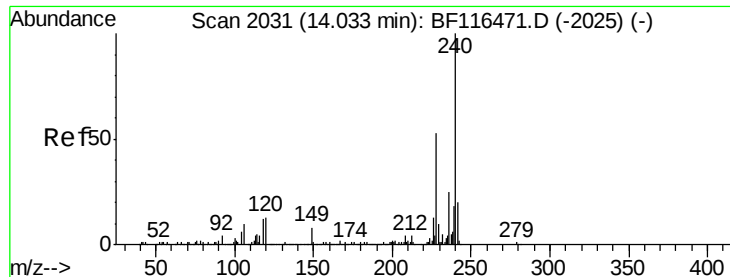
Tot Ion:178 Resp: 52193
Ion Ratio Lower Upper
178 100
176 23.7 15.8 23.6#
179 36.0 12.8 19.2#



#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

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

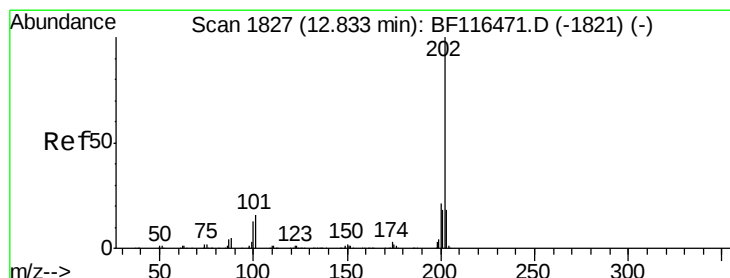
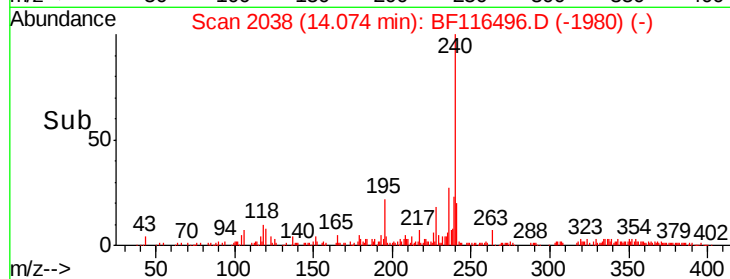
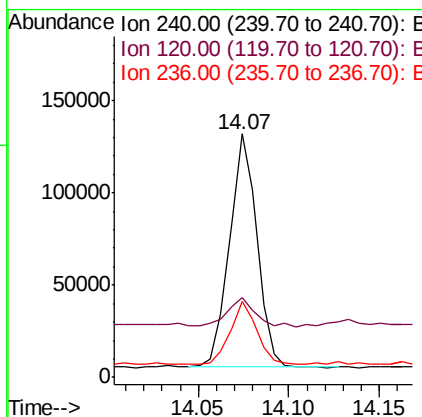
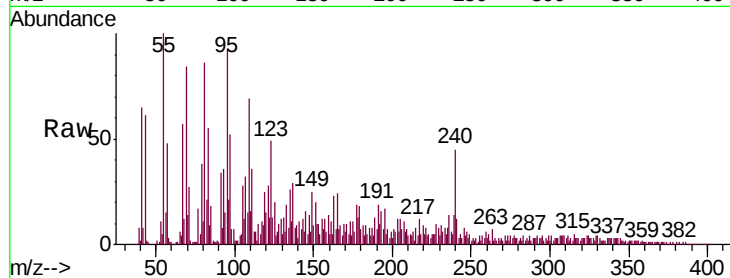




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. 0.04 min
 Lab File: BF116496.D
 Acq: 23 Aug 2019 23:57

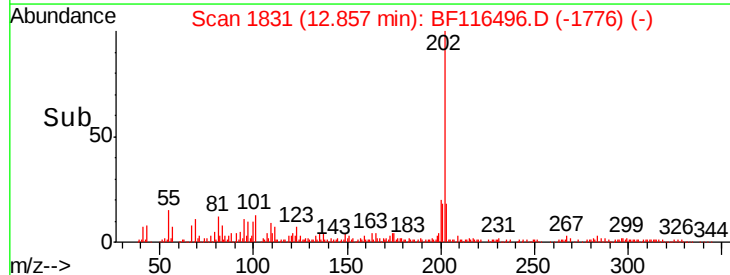
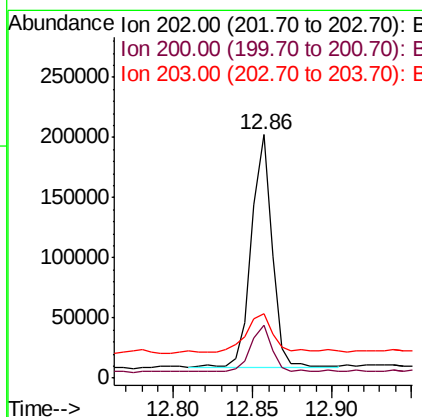
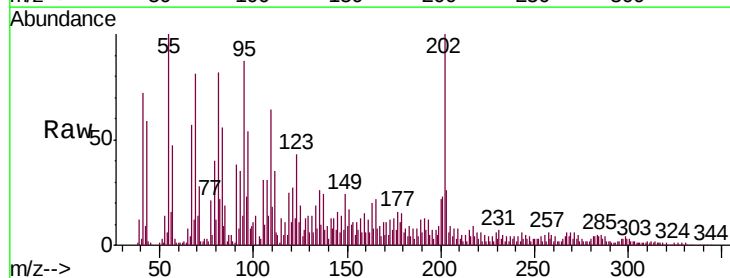
Instrument :
 BNA_F
 ClientSampleId :
 T8-D-(0-2)

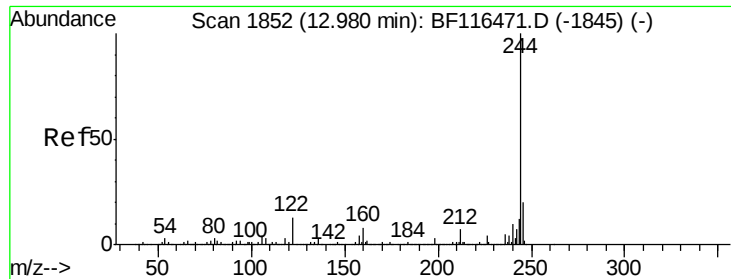
Tot Ion:240 Resp: 133924
 Ion Ratio Lower Upper
 240 100
 120 33.0 10.5 15.7#
 236 31.4 20.2 30.2#



#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

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#





#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

Instrument :

BNA_F

ClientSampleId :

T8-D-(0-2)

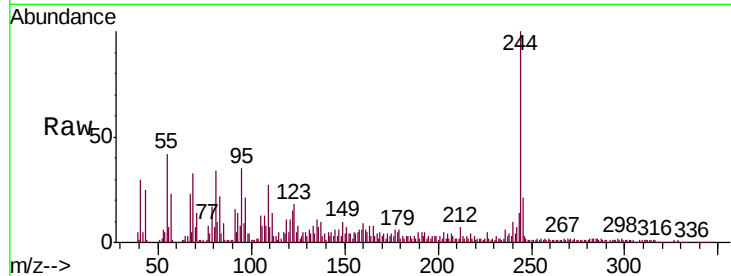
Tot Ion:244 Resp: 505104

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

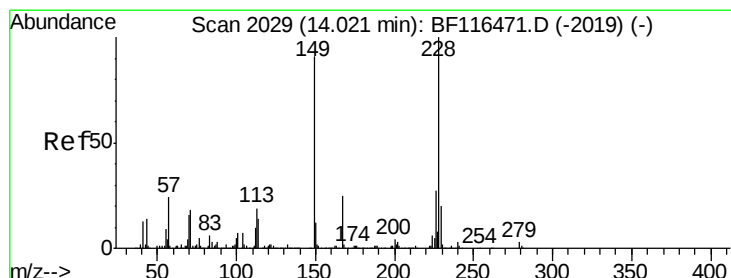
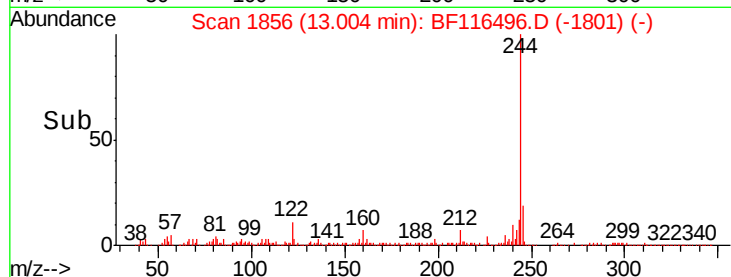
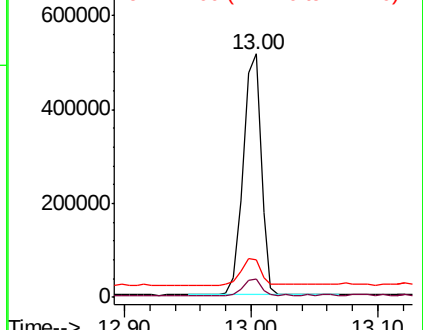
122 15.3 10.2 15.4



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

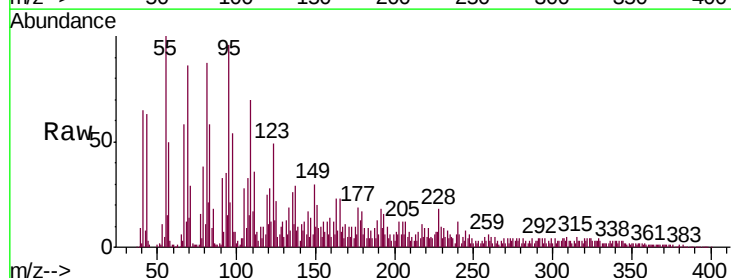
Tgt Ion:228 Resp: 59385

Ion Ratio Lower Upper

228 100

226 36.8 21.8 32.6#

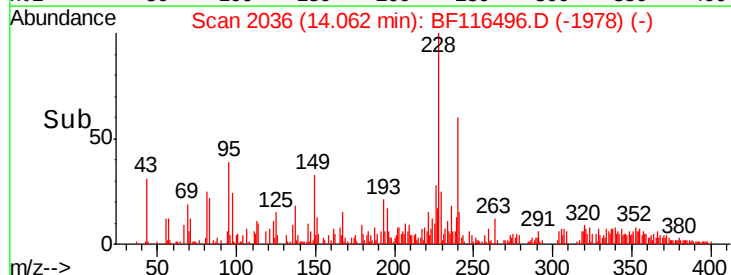
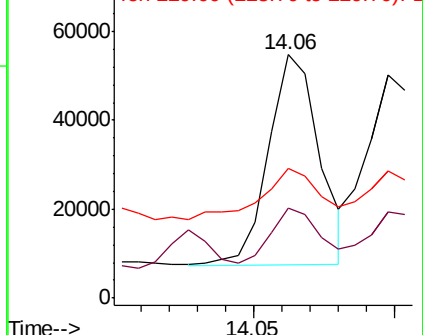
229 53.0 15.9 23.9#

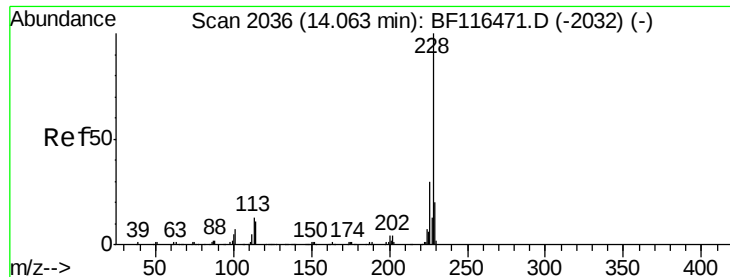


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#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

Instrument :

BNA_F

ClientSampleId :

T8-D-(0-2)

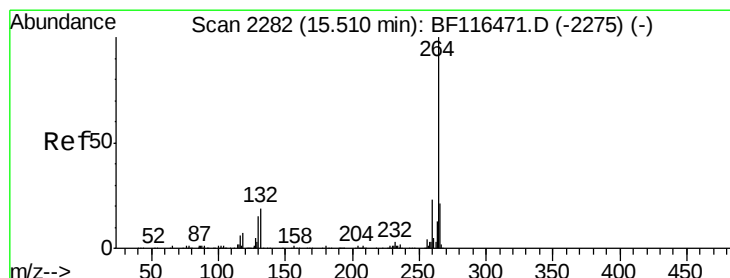
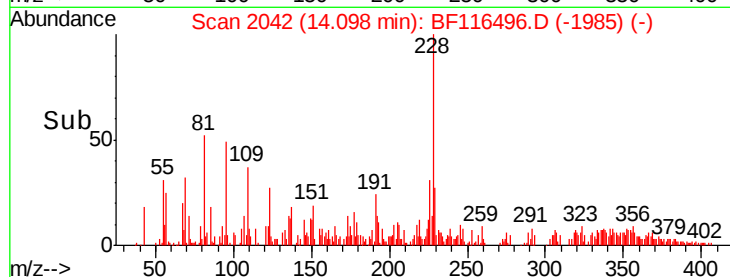
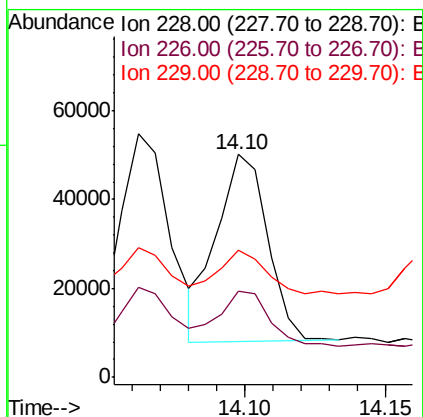
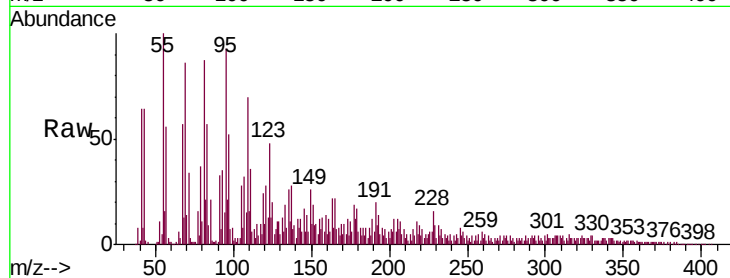
Tot Ion:228 Resp: 53010

Ion Ratio Lower Upper

228 100

226 38.6 24.2 36.2#

229 56.9 15.8 23.6#



#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#

