

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
 Data File : BF116459.D
 Acq On : 21 Aug 2019 12:19
 Operator : HP/JU
 Sample : K4354-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 21 16:15:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	93182	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	363595	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	195433	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	354332	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	248783	20.00	ng	-0.02
87) Perylene-d12	15.42	264	272912	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	536344	96.36	ng	-0.02
7) Phenol-d6	6.44	99	741943	105.65	ng	-0.02
23) Nitrobenzene-d5	7.36	82	443897	70.47	ng	-0.03
42) 2,4,6-Tribromophenol	10.62	330	177680	93.77	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	721511	69.15	ng	-0.02
79) Terphenyl-d14	12.89	244	765363	64.83	ng	-0.02

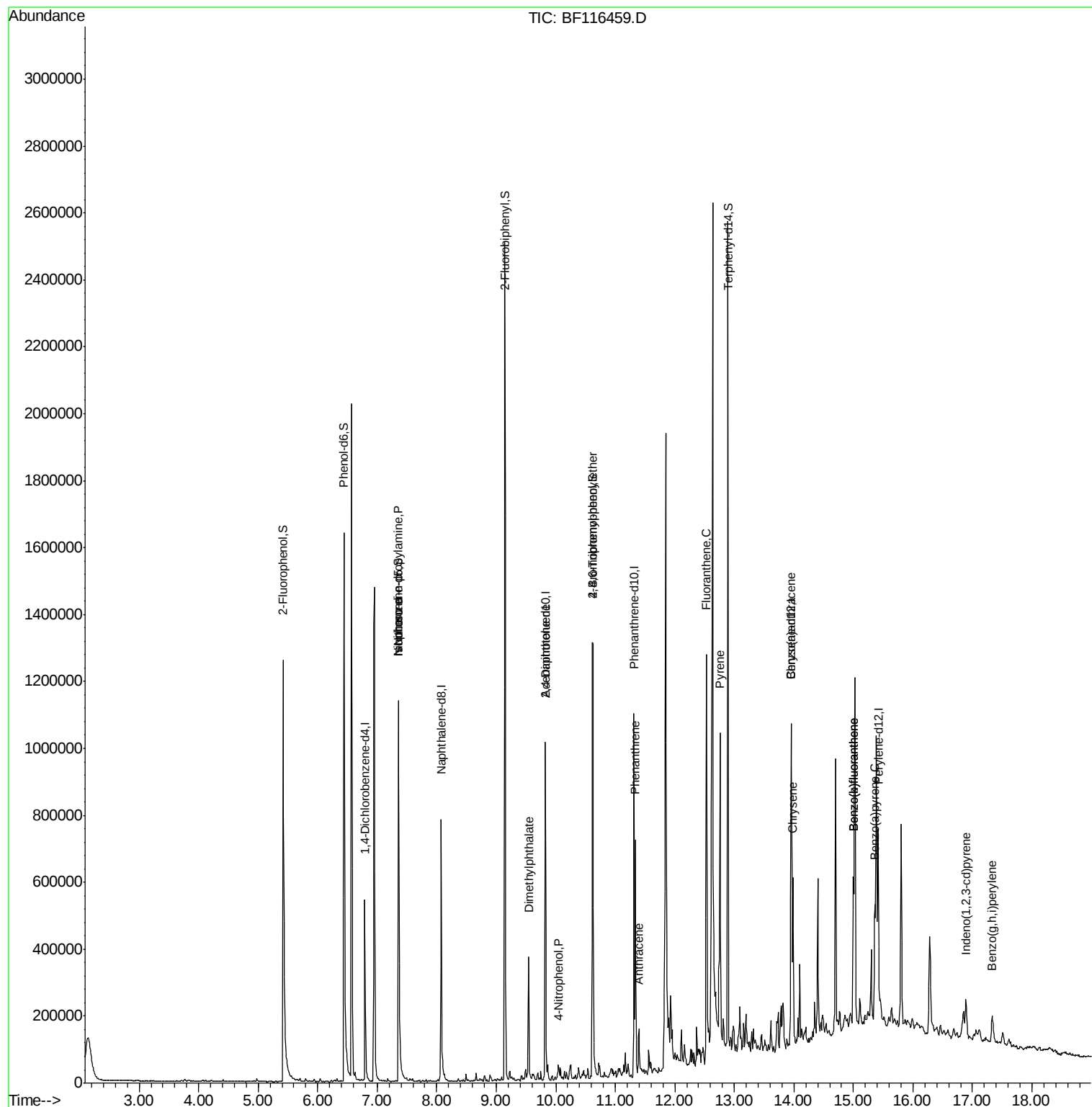
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	58425	13.425	ng	# 80
25) Isophorone	7.36	82	443897	36.855	ng	# 65
50) Dimethylphthalate	9.55	163	150656	11.322	ng	99
56) 4-Nitrophenol	10.05	139	4805	2.099	ng	# 14
57) 2,4-Dinitrotoluene	9.83	165	25879	6.721	ng	# 21
67) 4-Bromophenyl-phenylether	10.62	248	10840	2.858	ng	# 1
71) Phenanthrene	11.34	178	263906	14.569	ng	99
72) Anthracene	11.40	178	60020	3.274	ng	98
75) Fluoranthene	12.53	202	448837	23.668	ng	97
78) Pyrene	12.76	202	397915	21.218	ng	99
81) Benzo(a)anthracene	13.95	228	216911	13.641	ng	99
83) Chrysene	13.99	228	186072	12.053	ng	98
86) Indeno(1,2,3-cd)pyrene	16.89	276	80129	6.180	ng	96
88) Benzo(b)fluoranthene	15.00	252	305142	19.337	ng	99
89) Benzo(k)fluoranthene	15.00	252	305142	19.853	ng	# 98
90) Benzo(a)pyrene	15.36	252	165195	11.711	ng	100
92) Benzo(a,h,i)perylene	17.33	276	74709	6.230	ng	95

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

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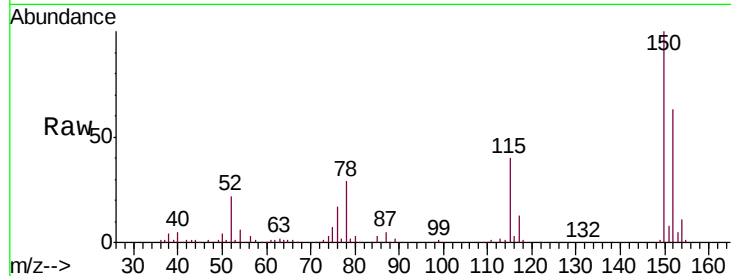


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	126.2	189.2
115	64.3	49.9	74.9

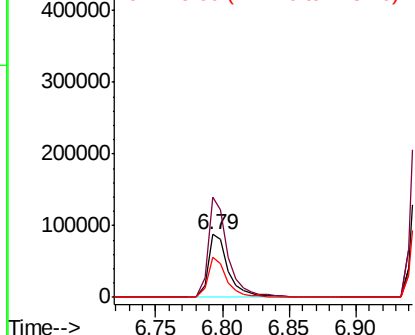
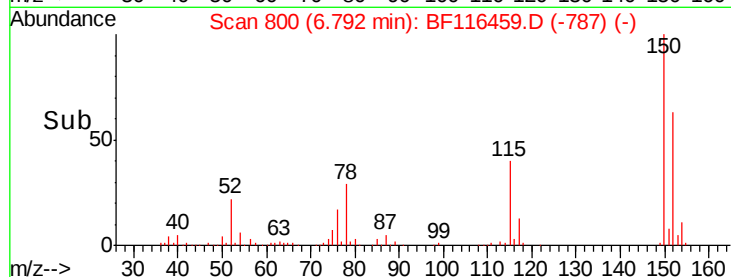


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

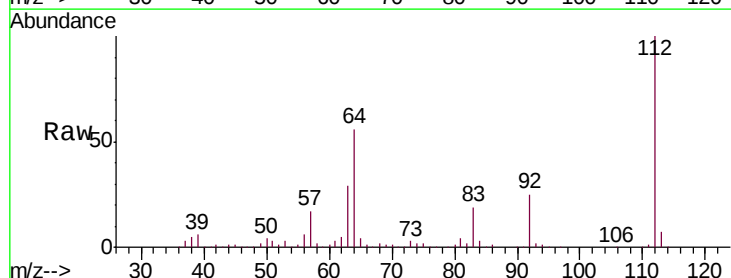
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.357 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	45.4	68.2
63	28.8	23.7	35.5

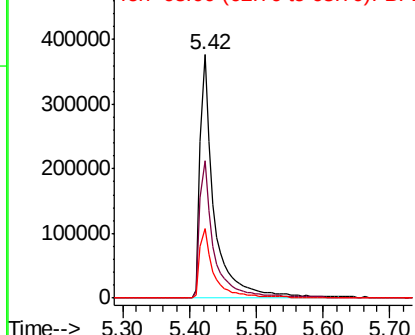
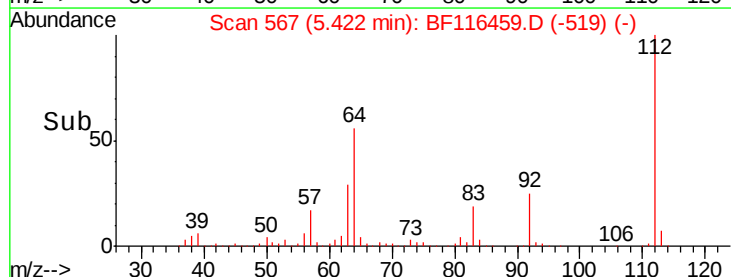


Abundance

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: 105.648 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Instrument :

BNA_F

ClientSampleId :

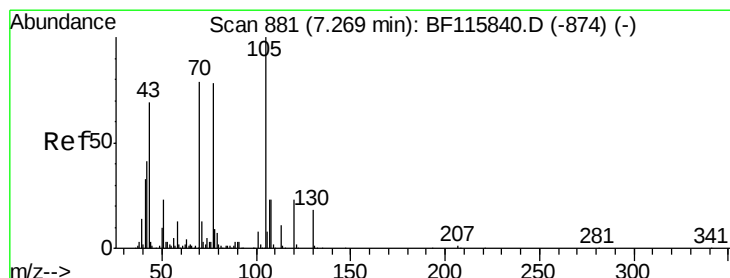
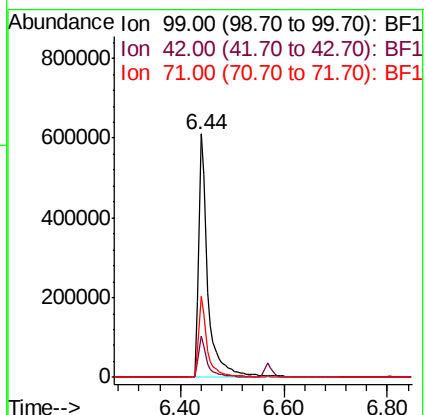
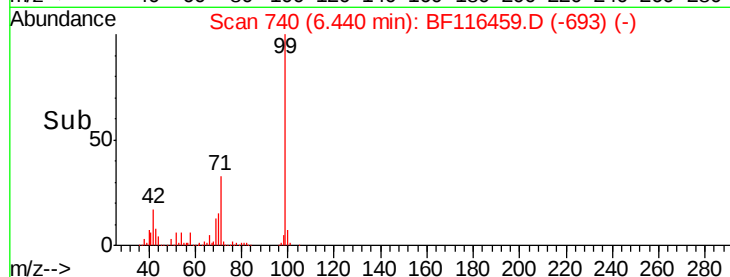
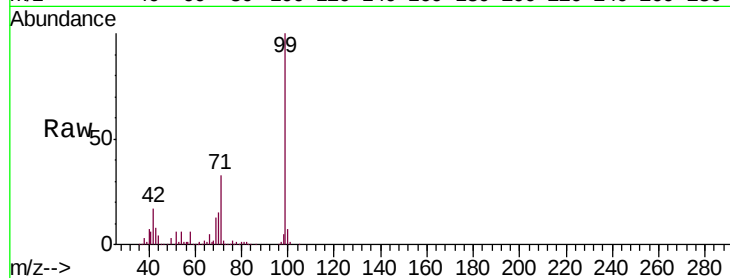
Tot Ion: 99 Resp: 741943

Ion Ratio Lower Upper

99 100

42 17.1 13.8 20.8

71 33.1 27.3 40.9



#19

n-Nitroso-di-n-propylamine

Concen: 13.425 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.12 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Tgt Ion: 70 Resp: 58425

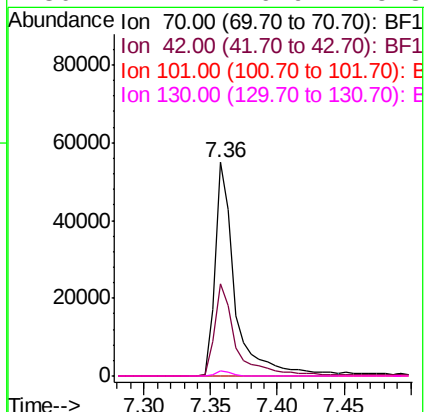
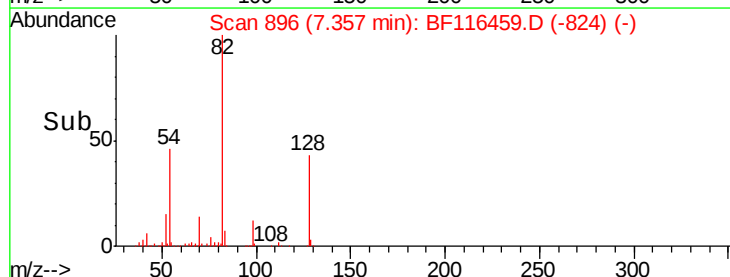
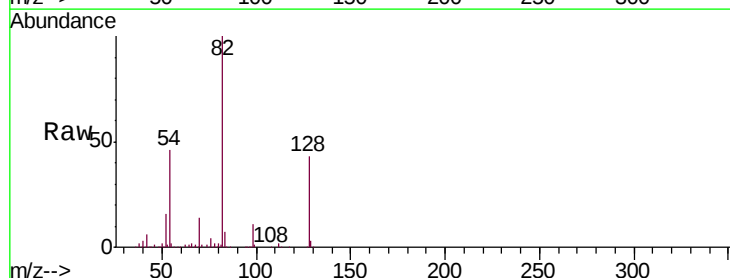
Ion Ratio Lower Upper

70 100

42 43.4 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 363595

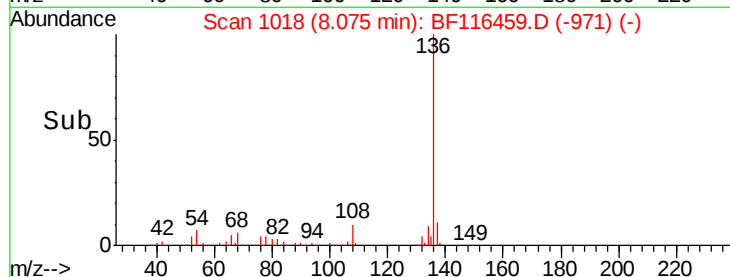
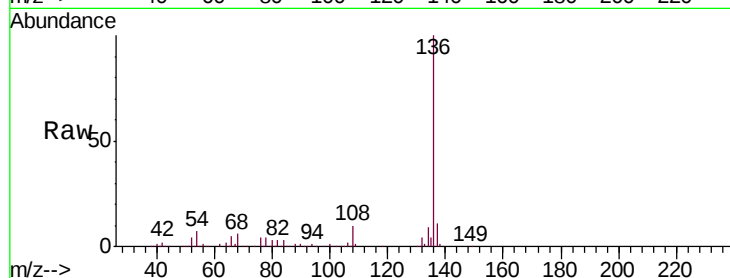
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.2 5.8 8.6

68 6.2 5.2 7.8

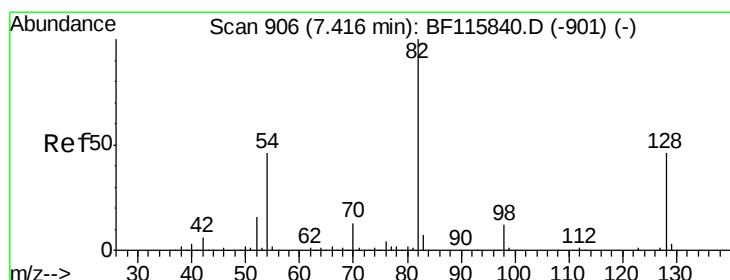
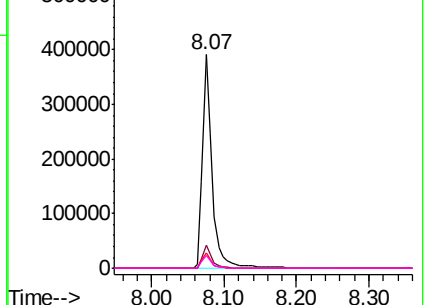


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.472 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.03 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

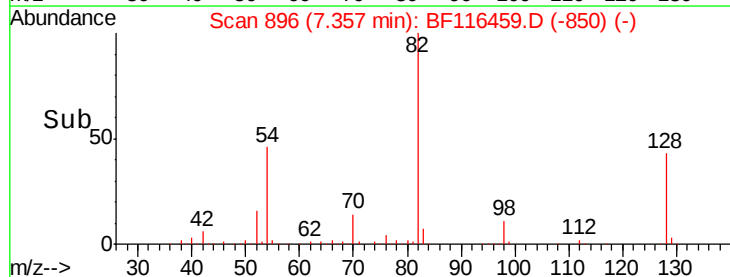
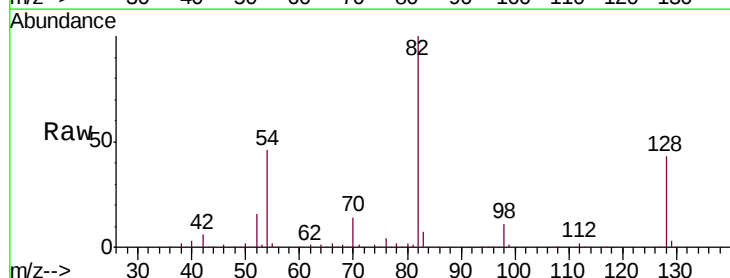
Tgt Ion: 82 Resp: 443897

Ion Ratio Lower Upper

82 100

128 43.1 36.5 54.7

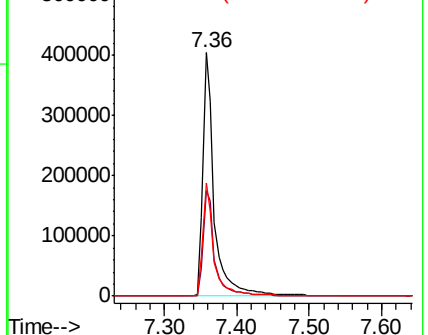
54 46.3 36.0 54.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.855 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Instrument :

BNA_F

ClientSampled :

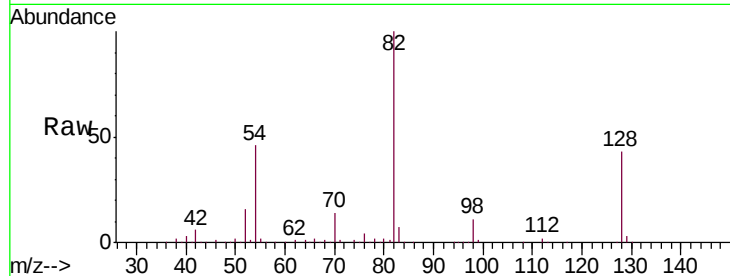
Tot Ion: 82 Resp: 443897

Ion Ratio Lower Upper

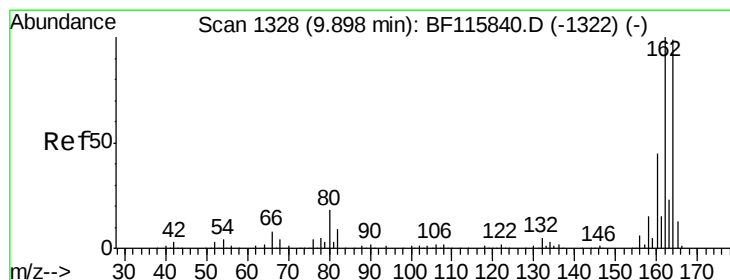
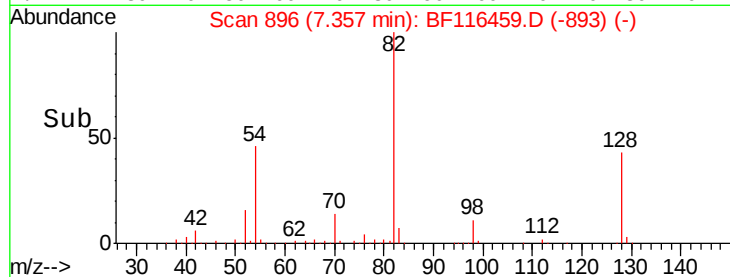
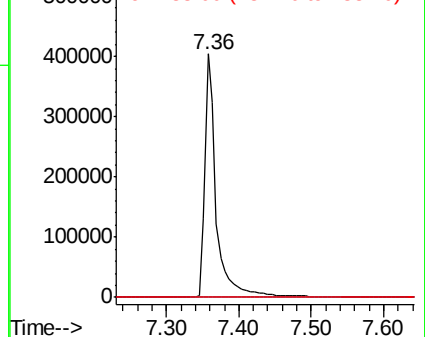
82 100

95 0.1 5.4 8.0#

138 0.0 14.5 21.7#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

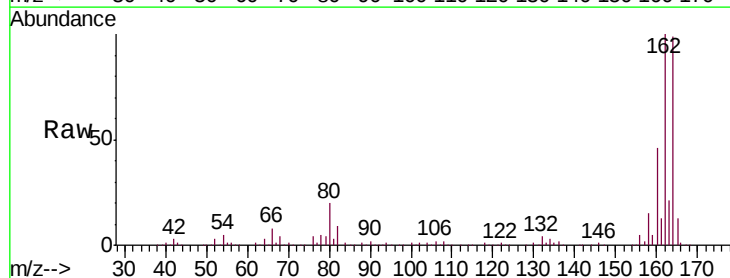
Tgt Ion: 164 Resp: 195433

Ion Ratio Lower Upper

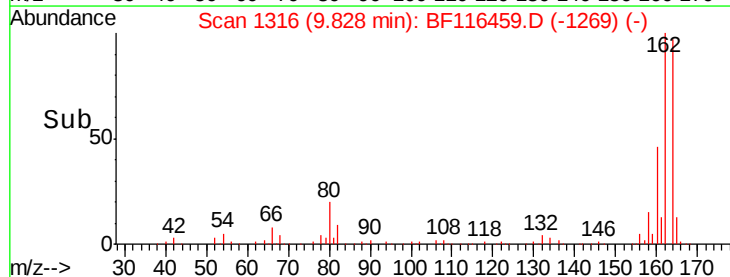
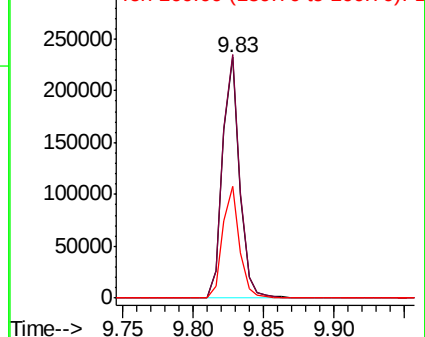
164 100

162 101.1 82.6 124.0

160 46.2 37.6 56.4



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

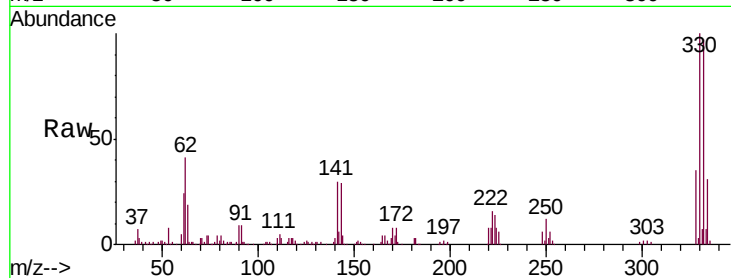




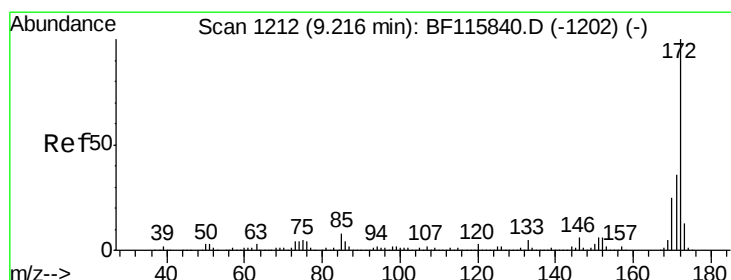
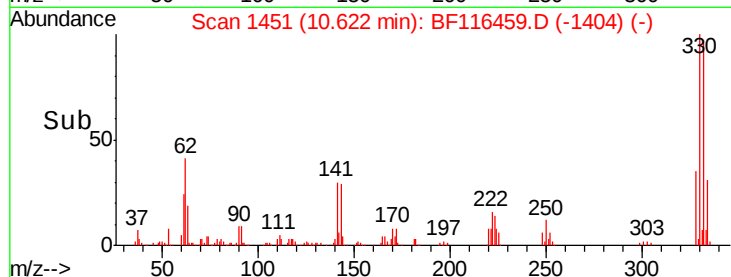
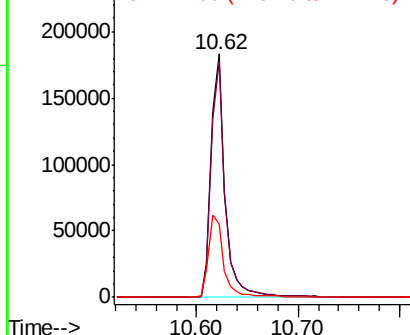
#42
 2,4,6-Tribromophenol
 Concen: 93.774 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.02 min
 Lab File: BF116459.D
 Acq: 21 Aug 2019 12:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.8	115.2
141	36.6	26.3	39.5

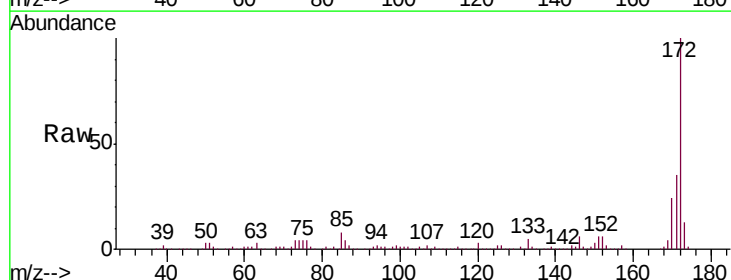


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

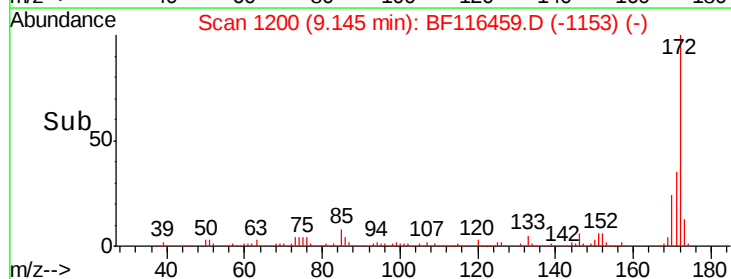
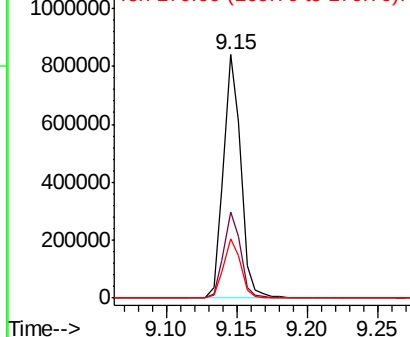


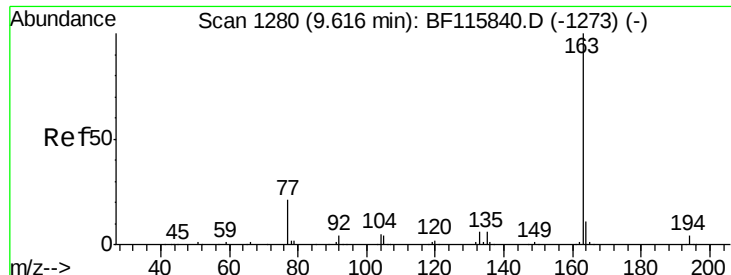
#45
 2-Fluorobiphenyl
 Concen: 69.151 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: BF116459.D
 Acq: 21 Aug 2019 12:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	24.4	20.1	30.1



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

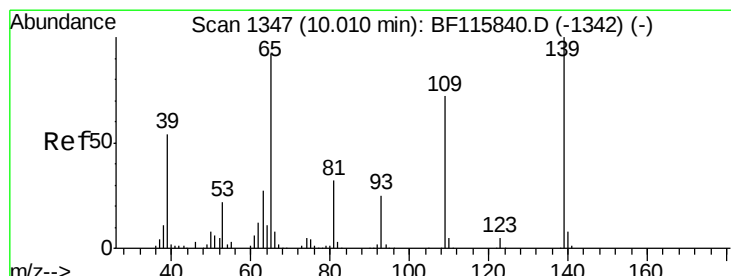
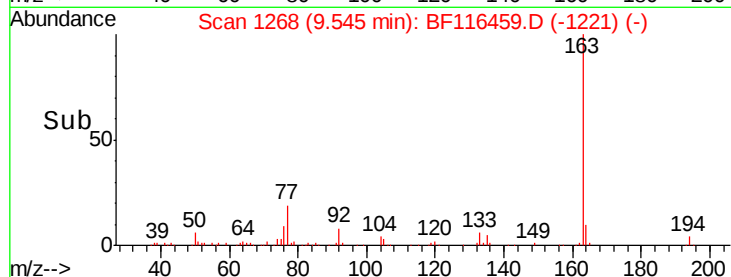
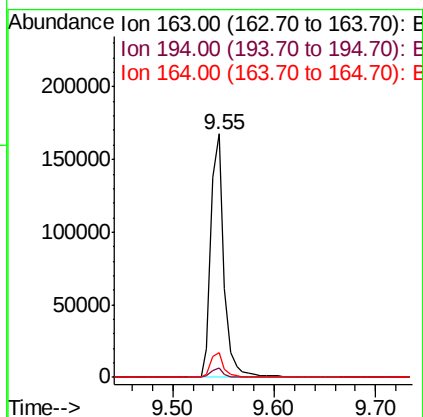
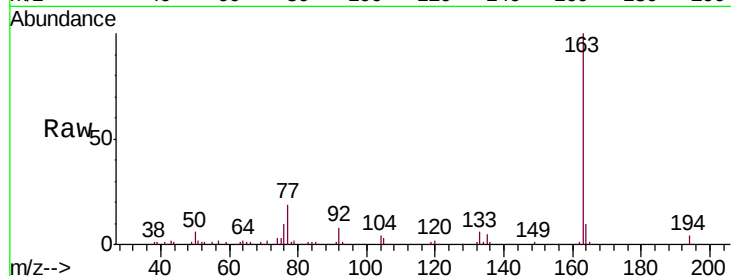




#50
Dimethylphthalate
Concen: 11.322 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

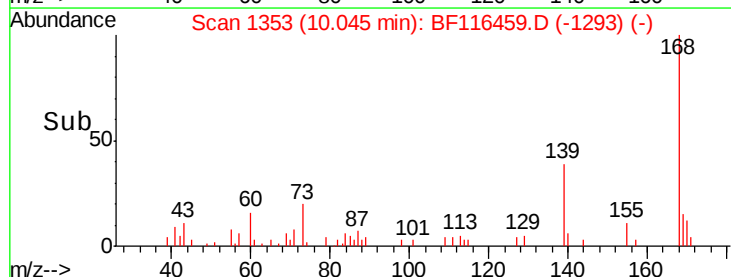
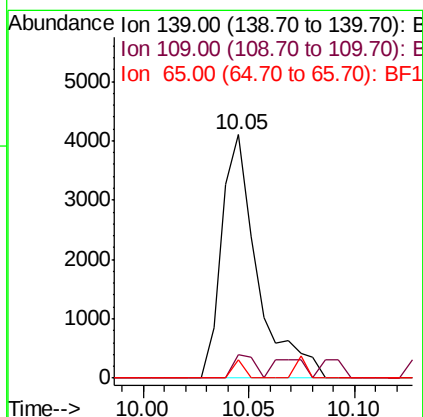
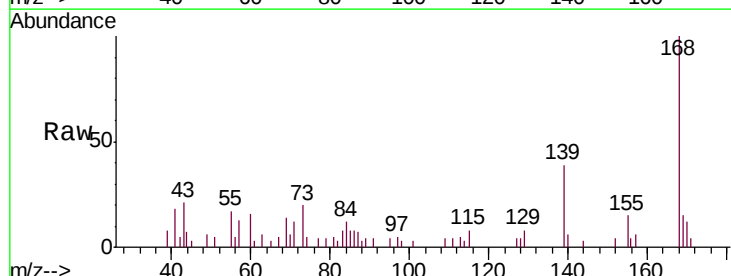
Instrument :
BNA_F
ClientSampleId :

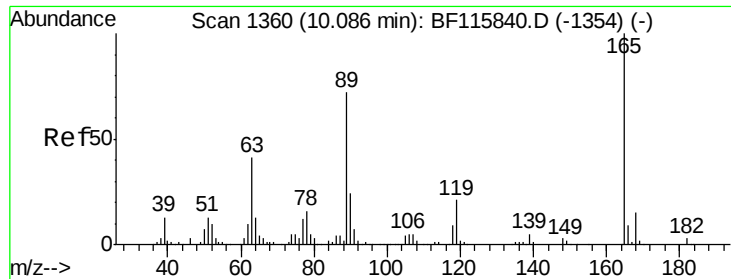
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.1	8.4	12.6



#56
4-Nitrophenol
Concen: 2.099 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.05 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Tgt Ion	Ratio	Lower	Upper
139	100		
109	9.6	54.4	94.4#
65	7.7	80.6	120.6#

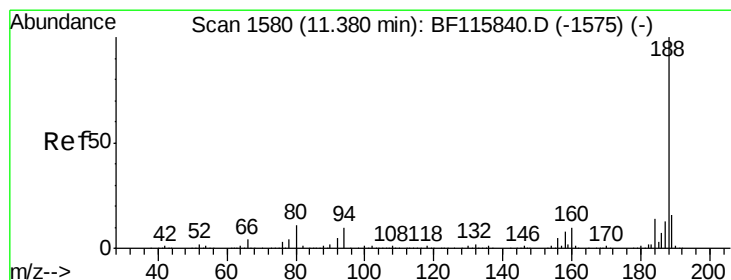
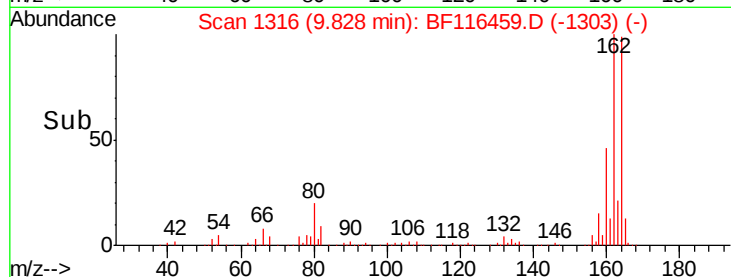
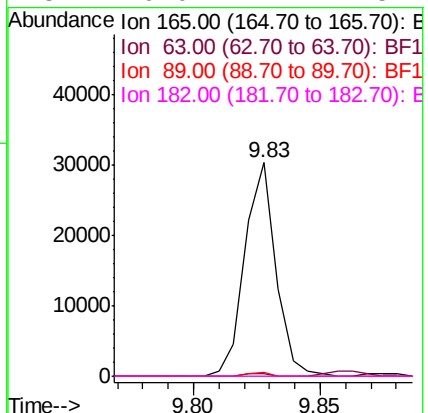
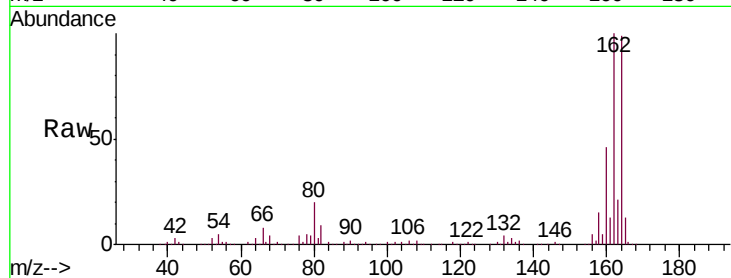




#57
 2,4-Dinitrotoluene
 Concen: 6.721 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.22 min
 Lab File: BF116459.D
 Acq: 21 Aug 2019 12:19

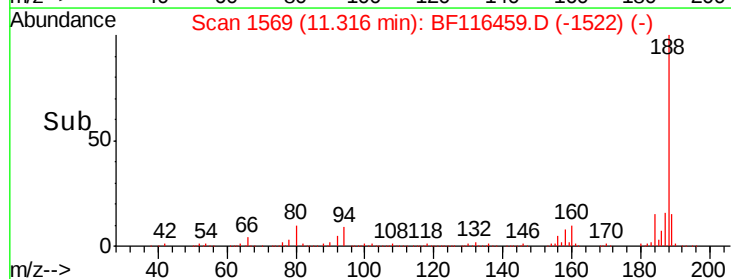
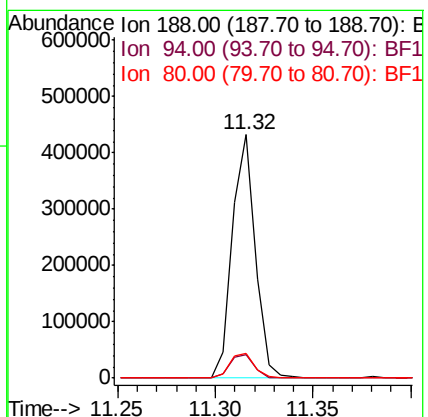
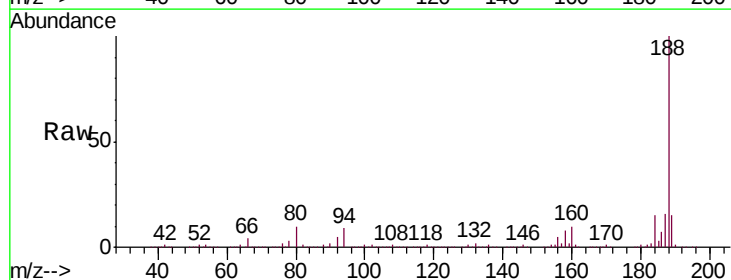
Instrument :
 BNA_F
 ClientSampleId :

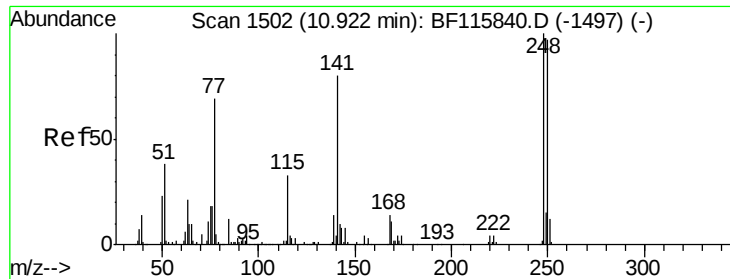
Tot Ion:165	Resp:	25879
Ion Ratio	Lower	Upper
165	100	
63	1.3	39.6 59.4#
89	1.7	62.2 93.2#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: BF116459.D
 Acq: 21 Aug 2019 12:19

Tgt Ion:188	Resp:	354332
Ion Ratio	Lower	Upper
188	100	
94	9.5	8.1 12.1
80	9.9	8.7 13.1

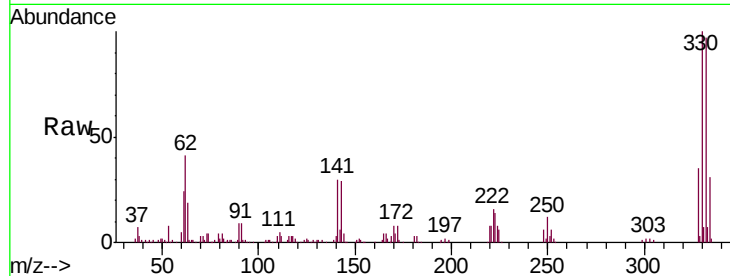




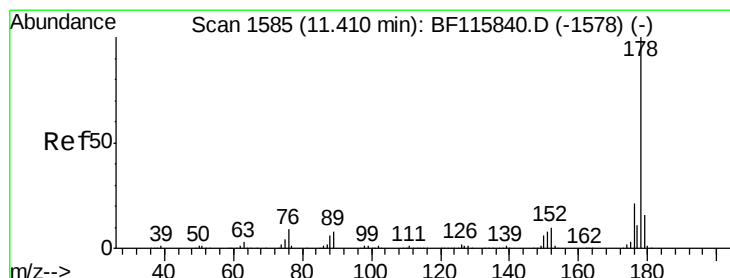
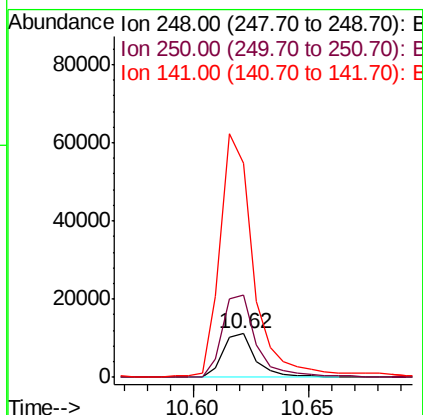
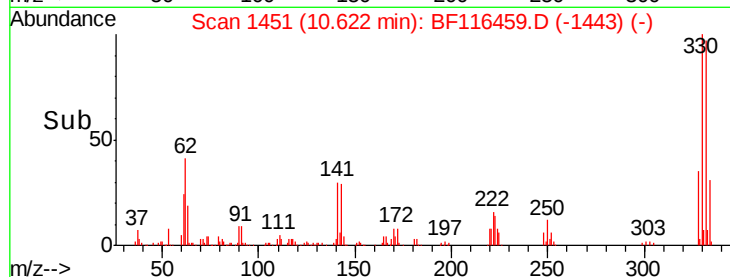
#67
 4-Bromophenyl-phenylether
 Concen: 2.858 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF116459.D
 Acq: 21 Aug 2019 12:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10840
 Ion Ratio Lower Upper
 248 100
 250 190.4 77.4 116.2#
 141 494.8 56.8 85.2#

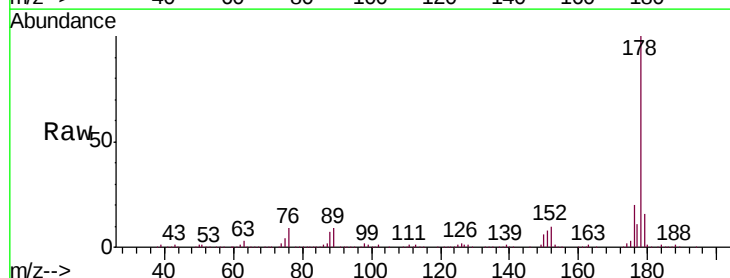


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

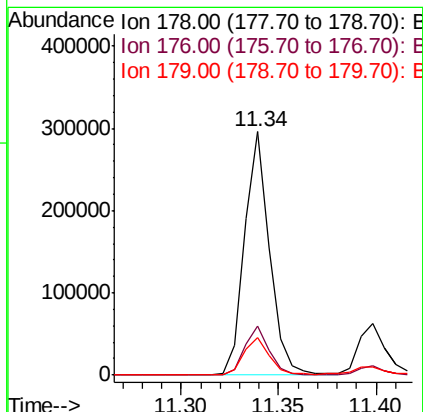
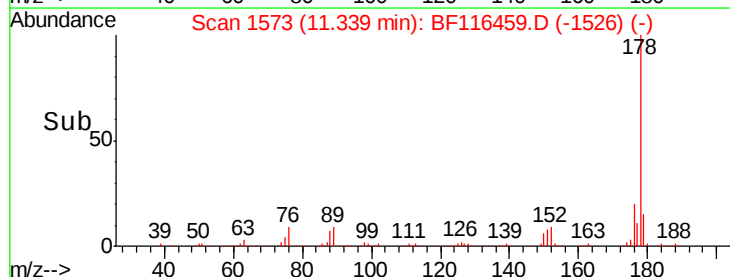


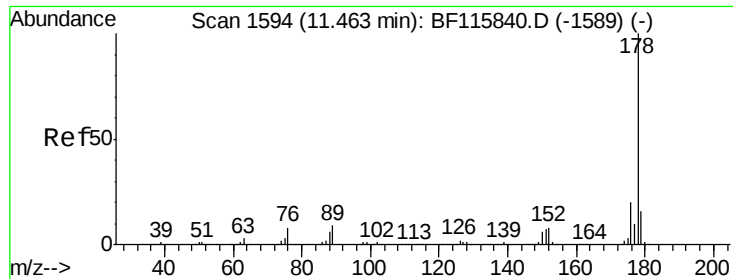
#71
 Phenanthrene
 Concen: 14.569 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.02 min
 Lab File: BF116459.D
 Acq: 21 Aug 2019 12:19

Tgt Ion:178 Resp: 263906
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.6 24.8
 179 15.6 12.5 18.7



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





#72

Anthracene

Concen: 3.274 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Instrument :

BNA_F

ClientSampleId :

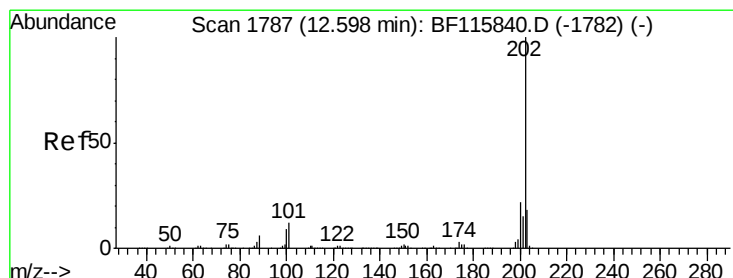
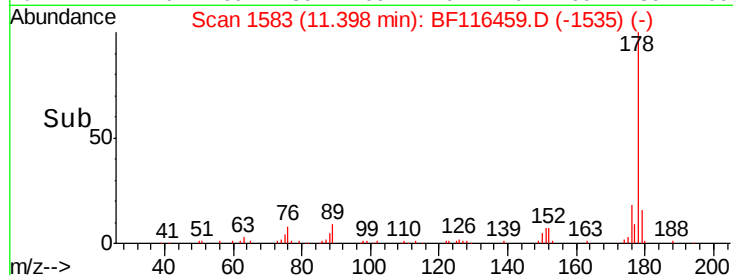
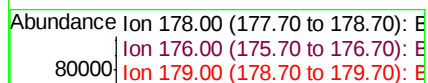
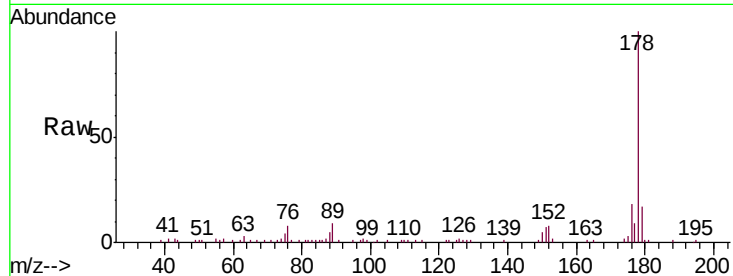
Tot Ion:178 Resp: 60020

Ion Ratio Lower Upper

178 100

176 18.5 15.7 23.5

179 16.7 13.0 19.6



#75

Fluoranthene

Concen: 23.668 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

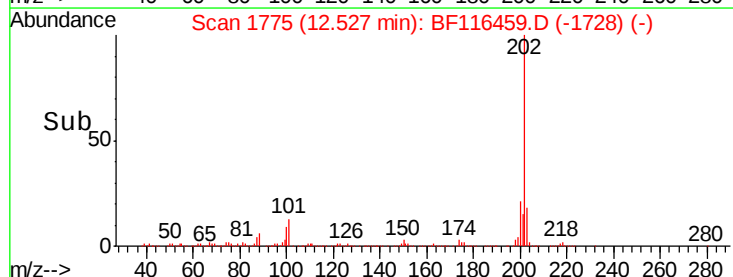
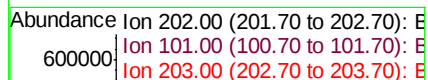
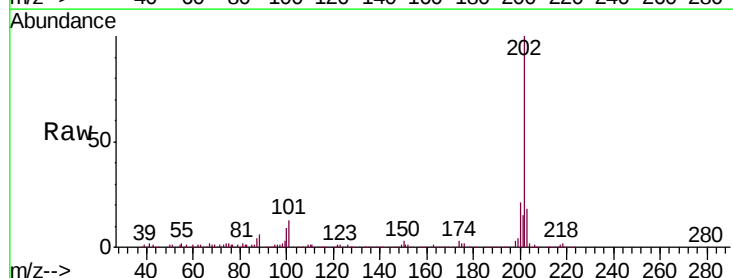
Tgt Ion:202 Resp: 448837

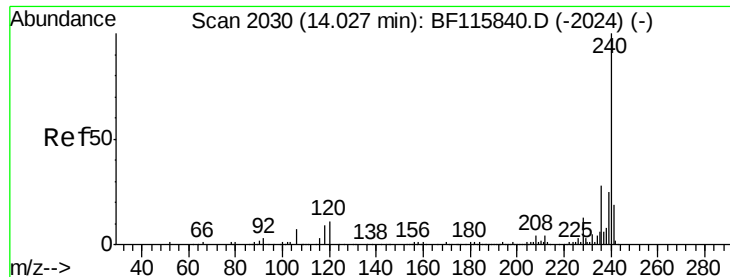
Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.2

203 18.1 0.0 37.8

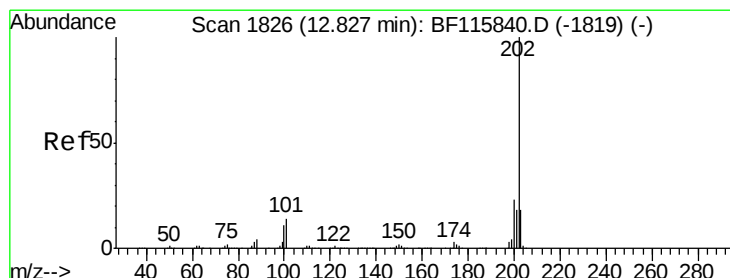
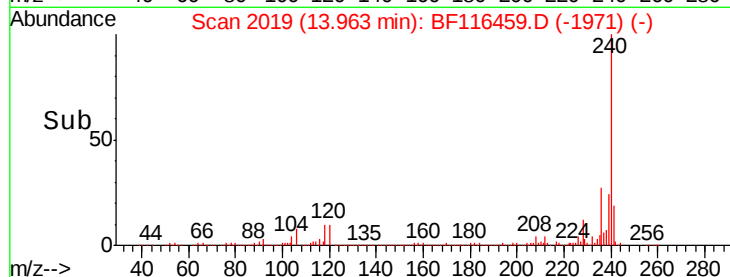
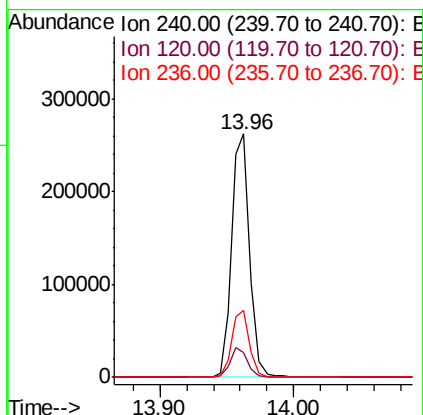
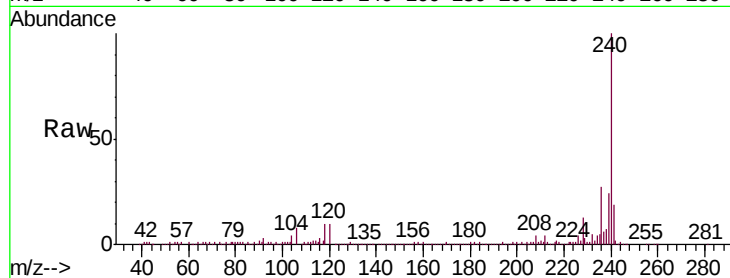




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

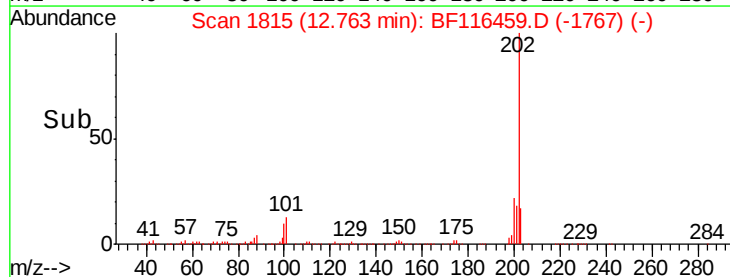
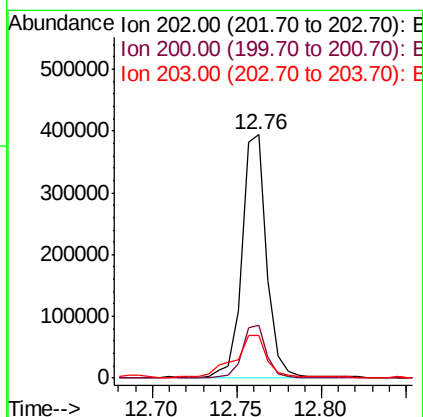
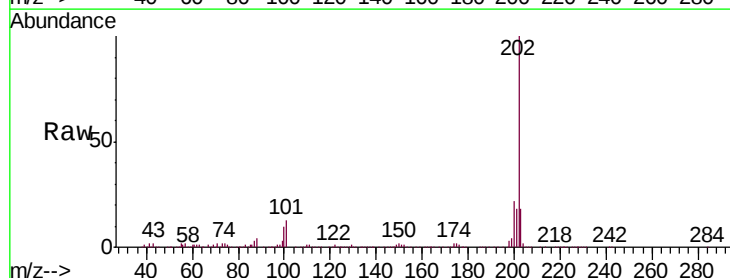
Instrument :
BNA_F
ClientSampleId :

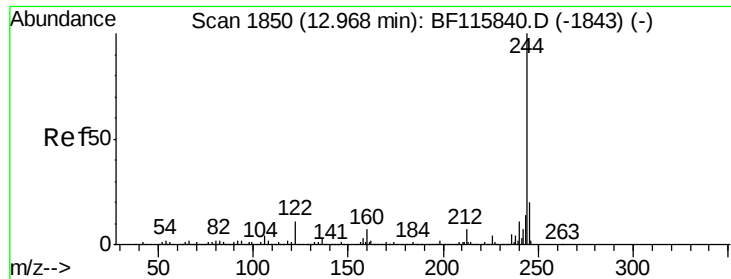
Tot Ion:240 Resp: 248783
Ion Ratio Lower Upper
240 100
120 10.4 10.7 16.1#
236 27.4 22.2 33.2



#78
Pyrene
Concen: 21.218 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Tgt Ion:202 Resp: 397915
Ion Ratio Lower Upper
202 100
200 21.9 18.0 27.0
203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 64.825 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Instrument :

BNA_F

ClientSampleId :

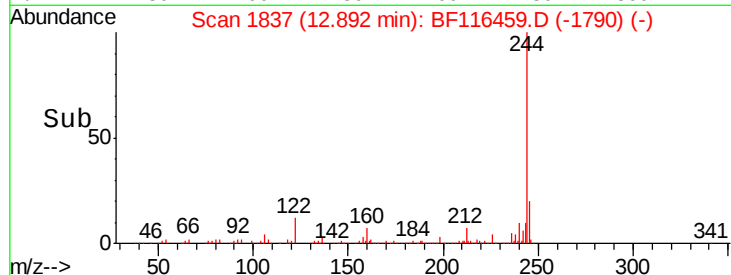
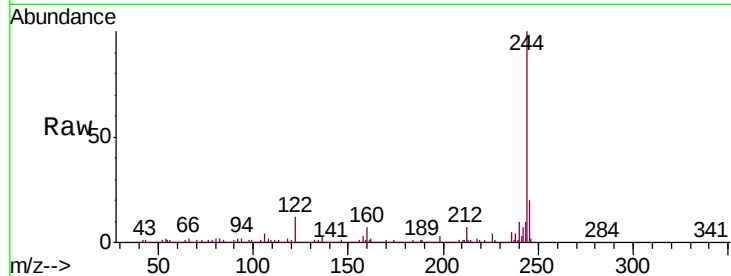
Tot Ion:244 Resp: 765363

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

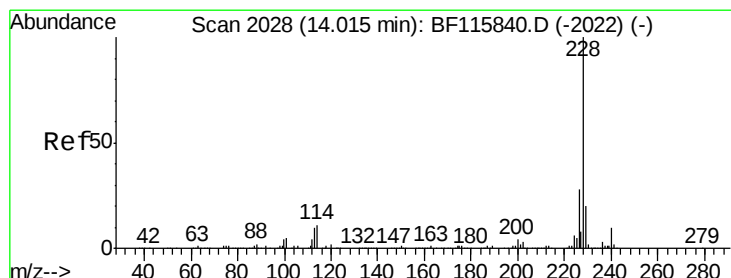
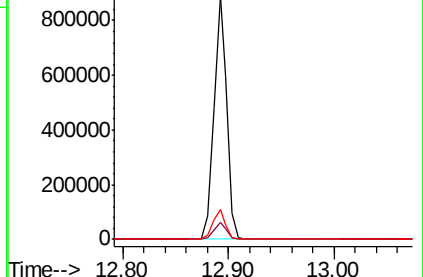
122 12.1 9.0 13.4



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: 13.641 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

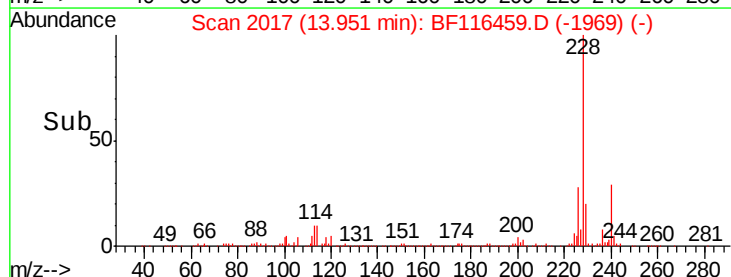
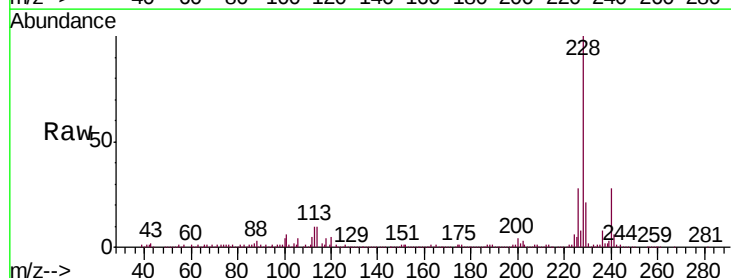
Tgt Ion:228 Resp: 216911

Ion Ratio Lower Upper

228 100

226 28.1 22.7 34.1

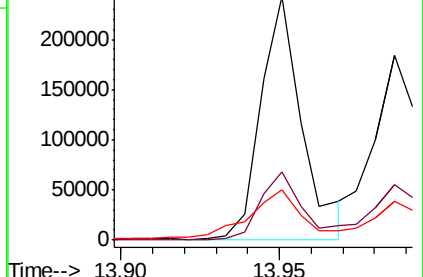
229 20.8 16.2 24.4

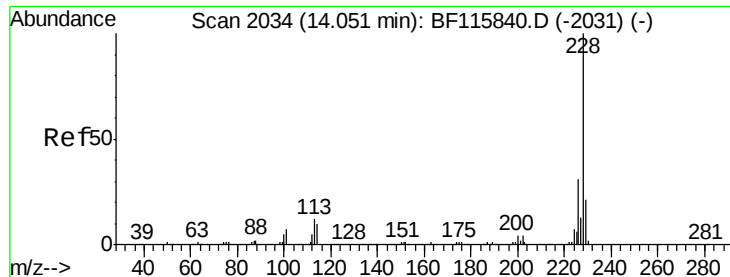


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 12.053 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Instrument :

BNA_F

ClientSampleId :

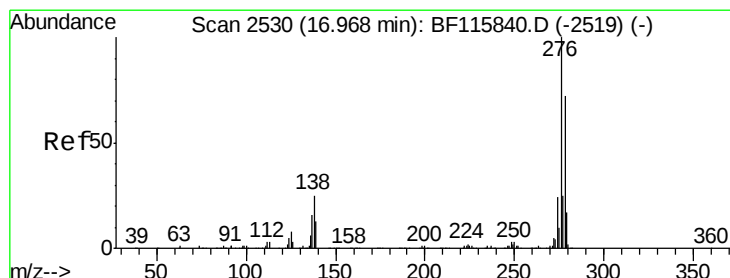
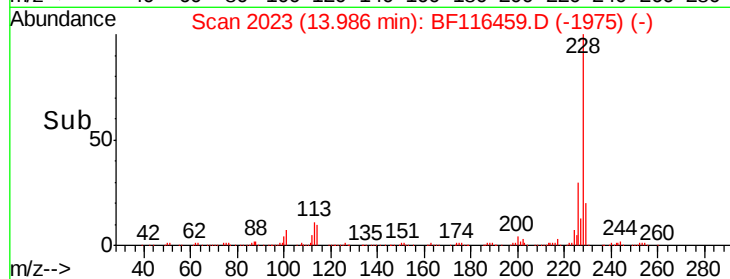
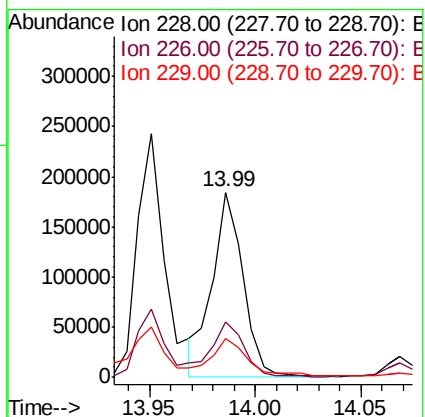
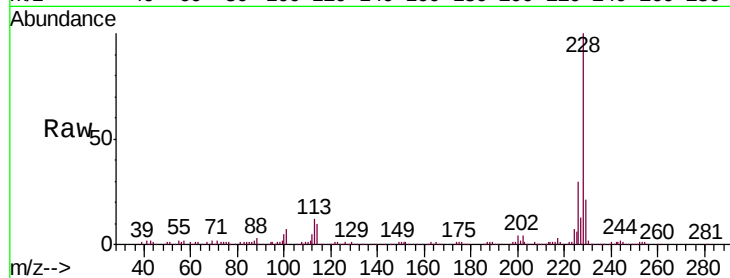
Tot Ion:228 Resp: 186072

Ion Ratio Lower Upper

228 100

226 30.1 25.5 38.3

229 21.0 16.6 24.8



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.180 ng

RT: 16.89 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

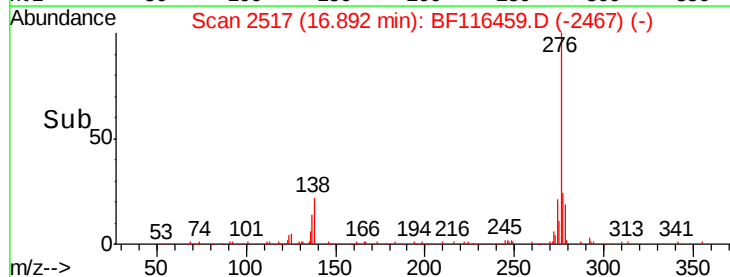
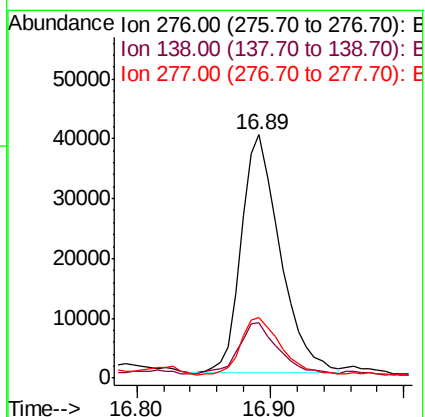
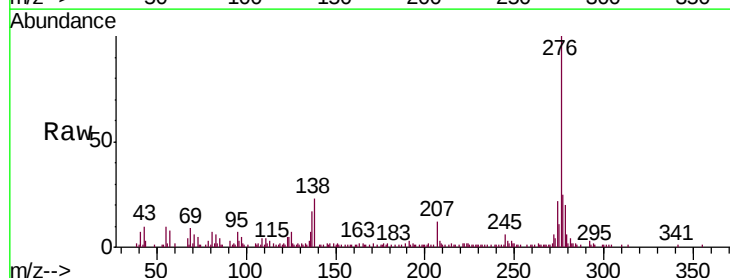
Tgt Ion:276 Resp: 80129

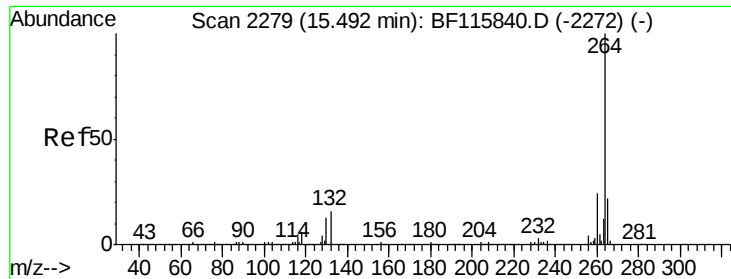
Ion Ratio Lower Upper

276 100

138 22.1 20.4 30.6

277 24.5 20.0 30.0

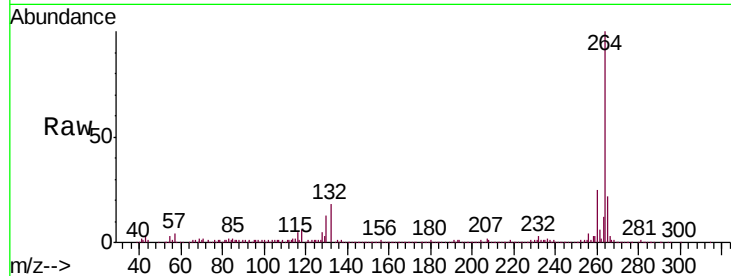




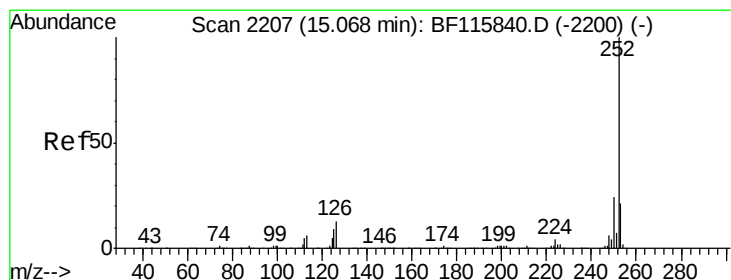
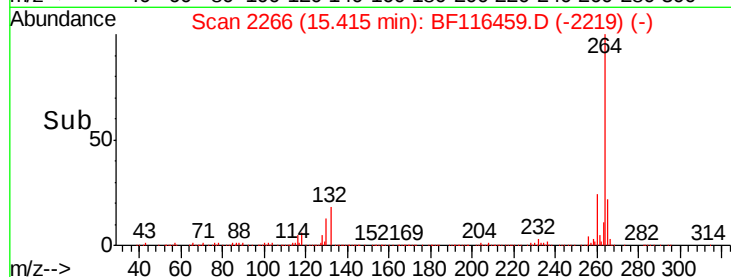
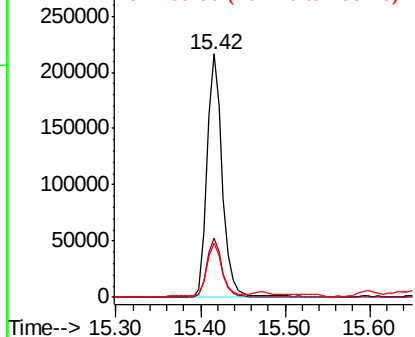
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 272912
Ion Ratio Lower Upper
264 100
260 24.6 19.7 29.5
265 22.2 17.4 26.0

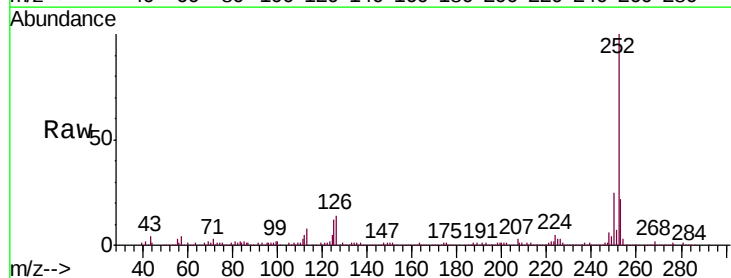


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

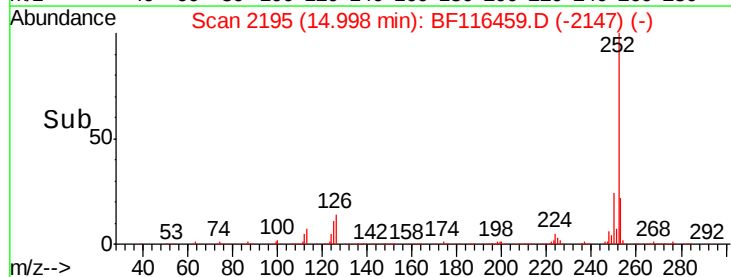
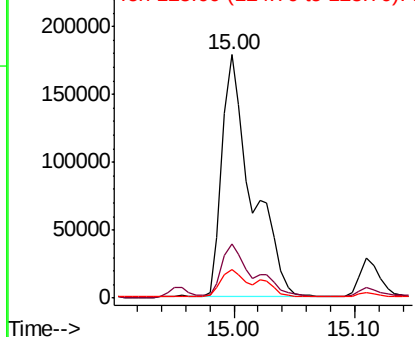


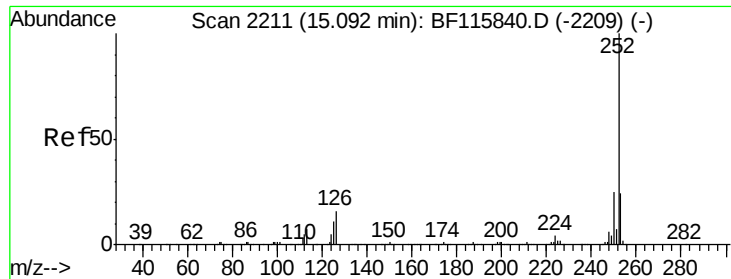
#88
Benzo(b)fluoranthene
Concen: 19.337 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Tgt Ion:252 Resp: 305142
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 11.7 8.4 12.6



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

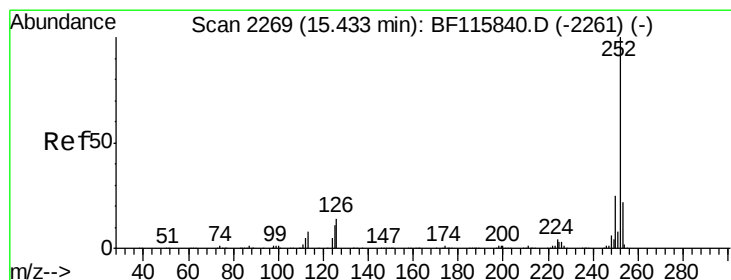
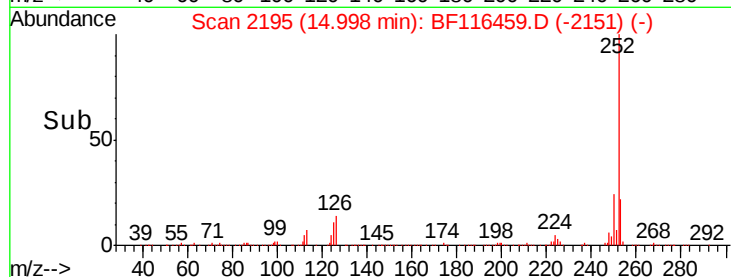
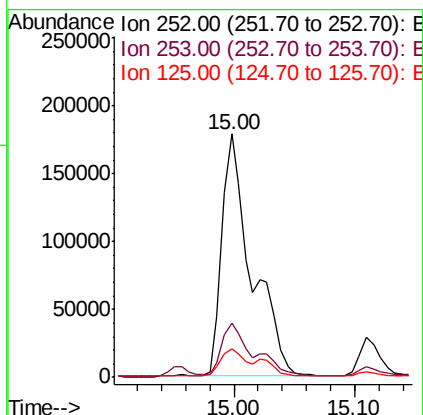
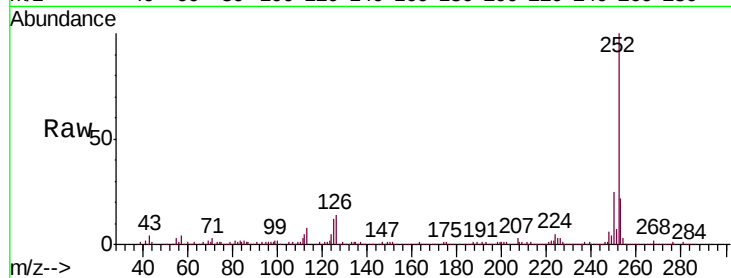




#89
Benzo(k)fluoranthene
Concen: 19.853 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

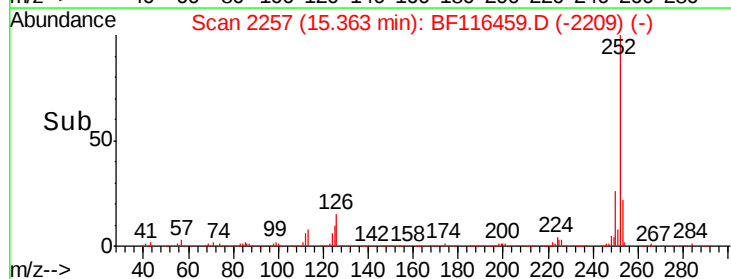
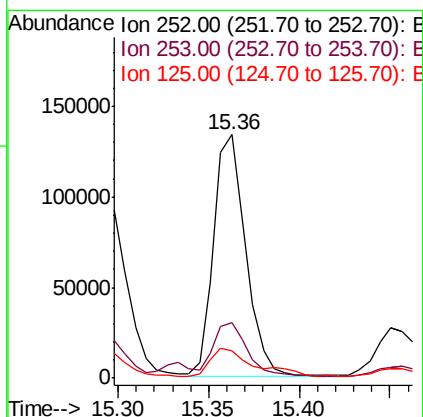
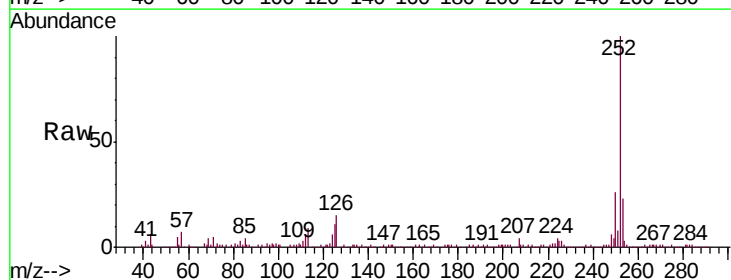
Instrument :
BNA_F
ClientSampleId :

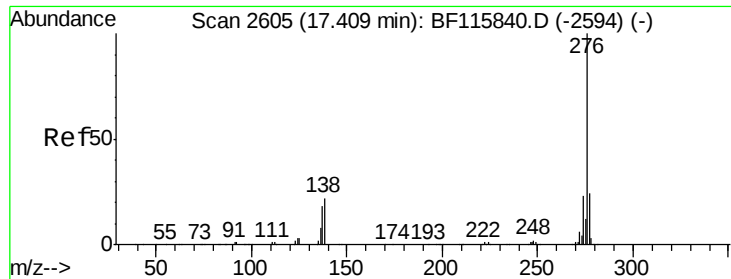
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.7	7.7	11.5



#90
Benzo(a)pyrene
Concen: 11.711 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.1	8.9	13.3





#92
 Benzo(a,h,i)perylene
 Concen: 6.230 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. -0.01 min
 Lab File: BF116459.D
 Acq: 21 Aug 2019 12:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.4	27.6
138	22.9	17.0	25.6

