

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
 Data File : BF117894.D
 Acq On : 20 Nov 2019 15:45
 Operator : JU
 Sample : K5918-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 21 03:06:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	144276	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	571858	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	304578	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	553979	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	315759	20.00	ng	-0.01
87) Perylene-d12	15.62	264	374164	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	767016	94.10	ng	0.00
7) Phenol-d6	6.54	99	1004460	102.17	ng	0.00
23) Nitrobenzene-d5	7.47	82	612055	63.62	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	303740	94.20	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1036761	61.07	ng	-0.01
79) Terphenyl-d14	13.04	244	1102767	63.83	ng	-0.01

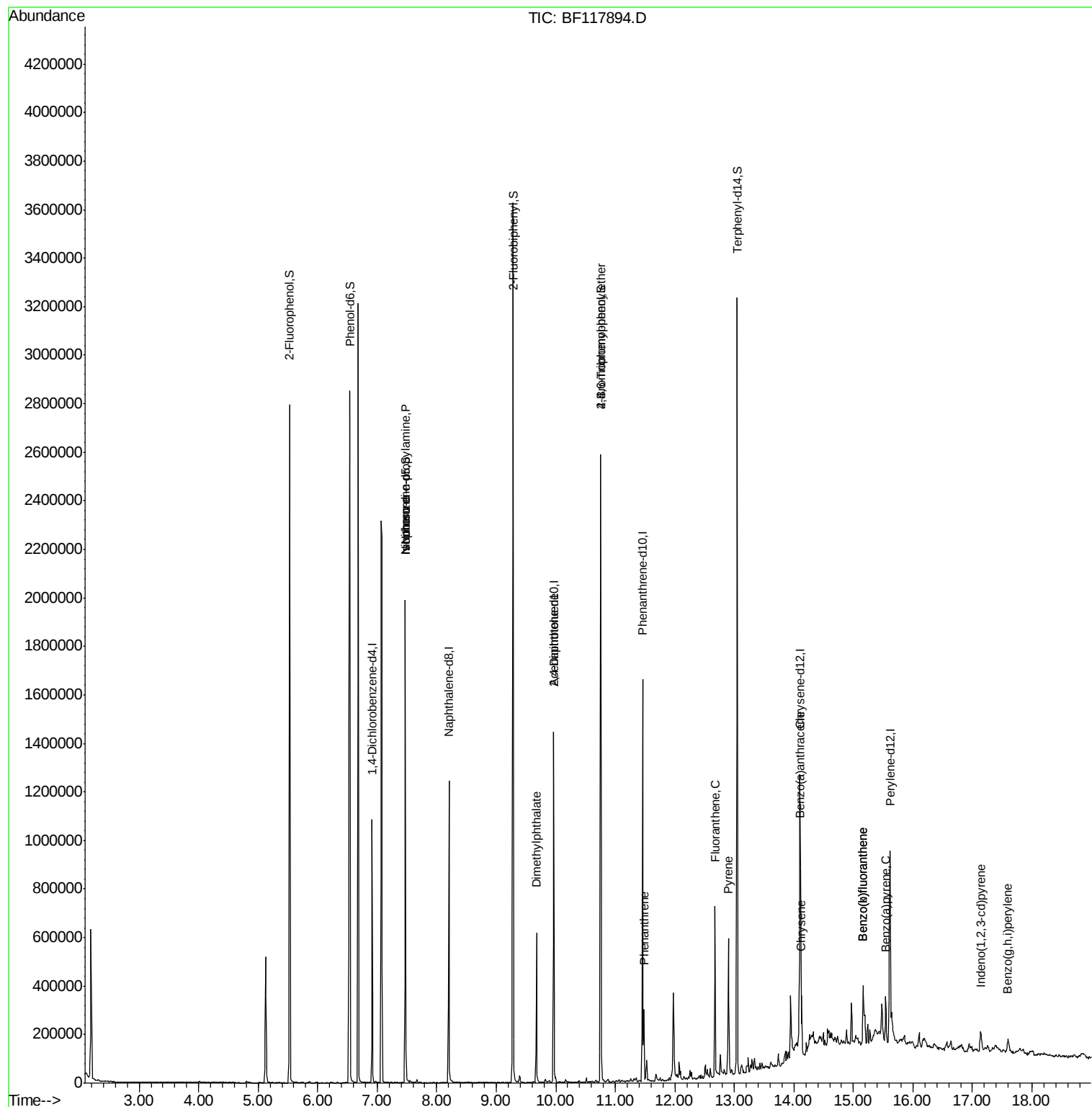
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.54	77	1525	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.47	70	83047	13.693	ng	# 77
25) Isophorone	7.47	82	606721	34.411	ng	# 62
50) Dimethylphthalate	9.67	163	245943	11.515	ng	96
57) 2,4-Dinitrotoluene	9.96	165	39643	6.676	ng	# 24
67) 4-Bromophenyl-phenylether	10.76	248	19853	3.321	ng	# 1
71) Phenanthrene	11.48	178	99174	3.561	ng	96
75) Fluoranthene	12.67	202	238229	2.243	ng	99
78) Pyrene	12.90	202	204767	8.024	ng	98
81) Benzo(a)anthracene	14.09	228	98226	4.708	ng	100
83) Chrysene	14.13	228	89920	4.447	ng	97
86) Indeno(1,2,3-cd)pyrene	17.14	276	52314	3.040	ng	96
88) Benzo(b)fluoranthene	15.16	252	175304	7.211	ng	99
89) Benzo(k)fluoranthene	15.16	252	175304	7.653	ng	# 97
90) Benzo(a)pyrene	15.54	252	90519	4.235	ng	100
92) Benzo(g,h,i)perylene	17.60	276	48613	2.653	ng	96

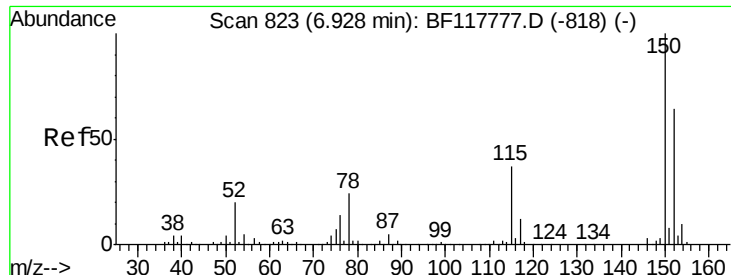
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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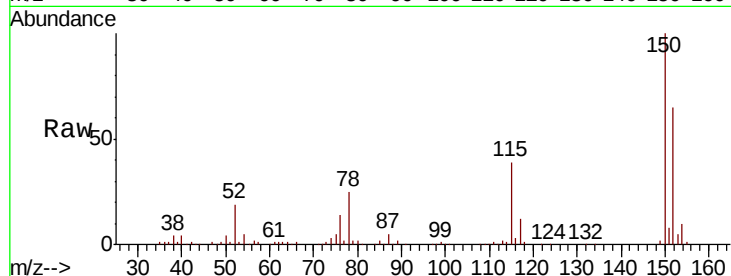


#1

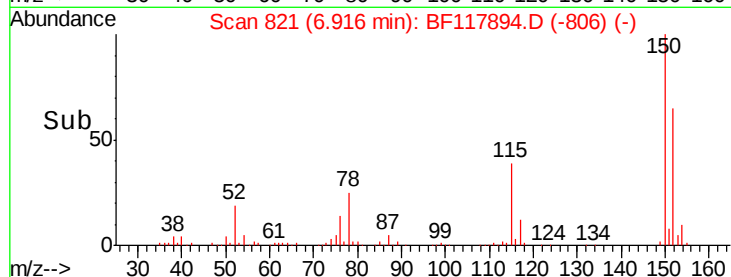
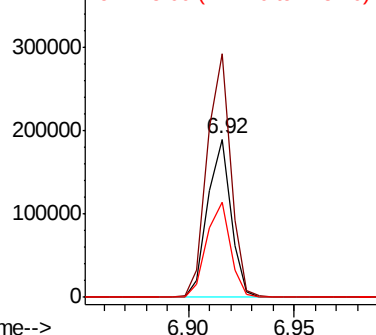
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144276
Ion Ratio Lower Upper
152 100
150 153.8 125.3 187.9
115 60.2 47.0 70.4



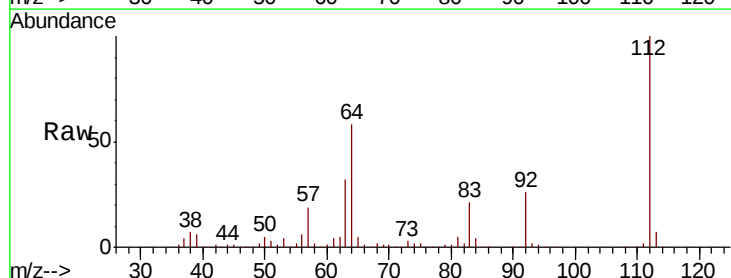
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



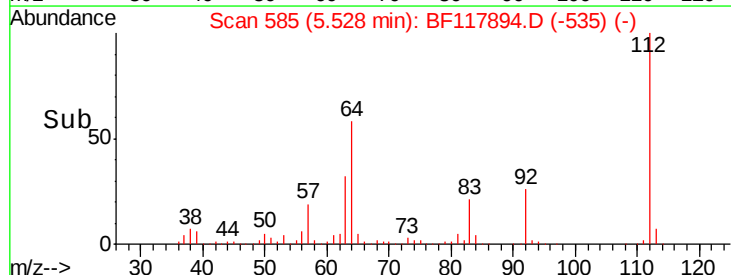
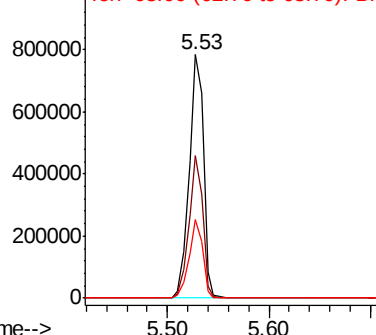
#5

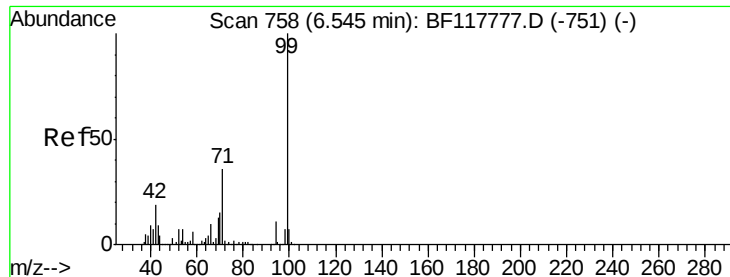
2-Fluorophenol
Concen: 94.104 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Tgt Ion:112 Resp: 767016
Ion Ratio Lower Upper
112 100
64 58.4 45.6 68.4
63 32.0 24.1 36.1



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: 102.172 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

Instrument :

BNA_F

ClientSampleId :

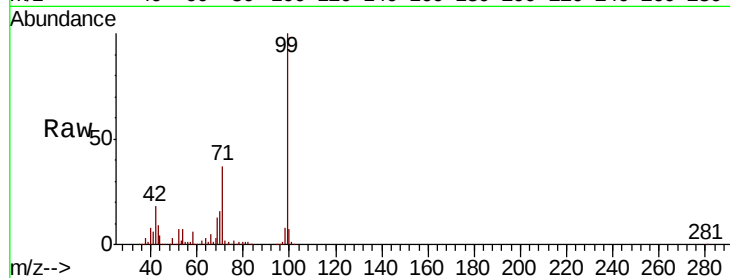
Tot Ion: 99 Resp: 1004460

Ion Ratio Lower Upper

99 100

42 17.8 14.9 22.3

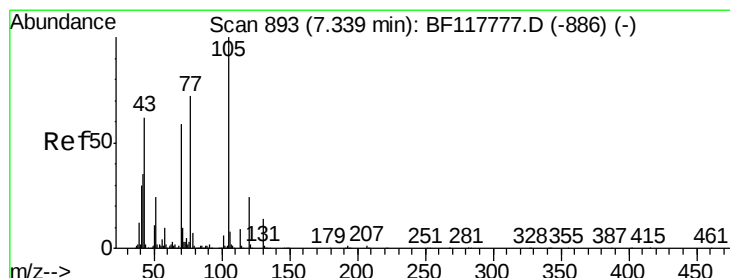
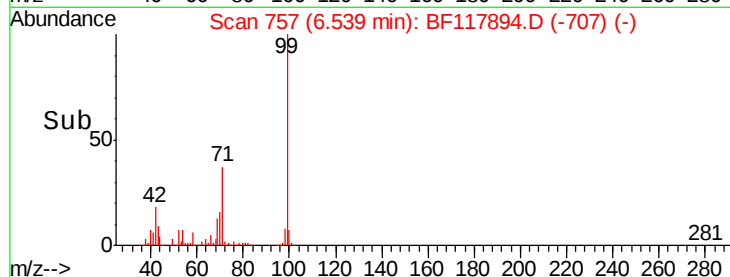
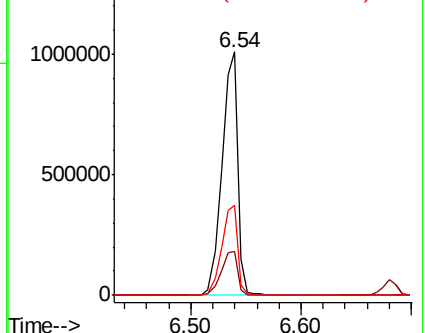
71 36.8 28.6 43.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.693 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

Tgt Ion: 70 Resp: 83047

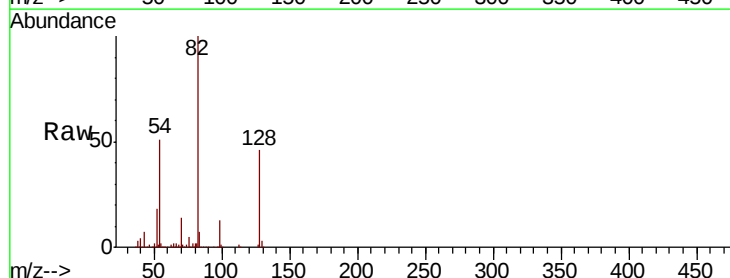
Ion Ratio Lower Upper

70 100

42 49.0 47.4 71.2

101 0.0 8.4 12.6#

130 2.5 18.8 28.2#

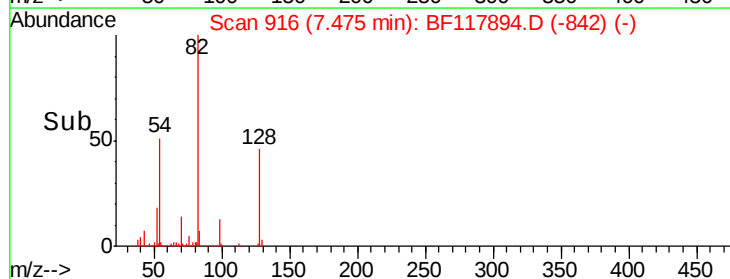
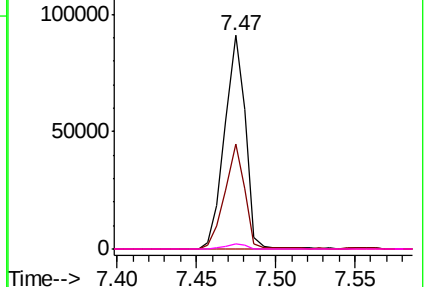


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

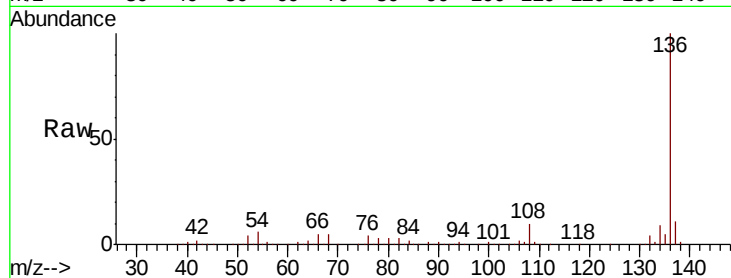




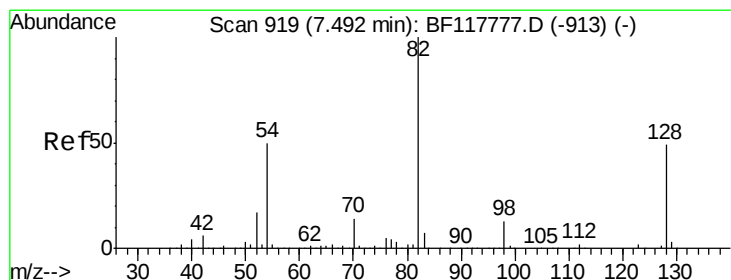
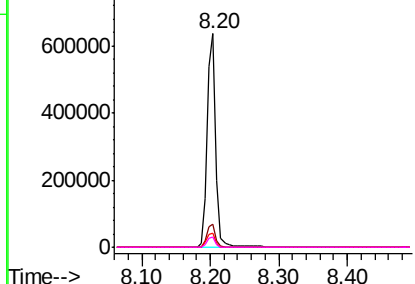
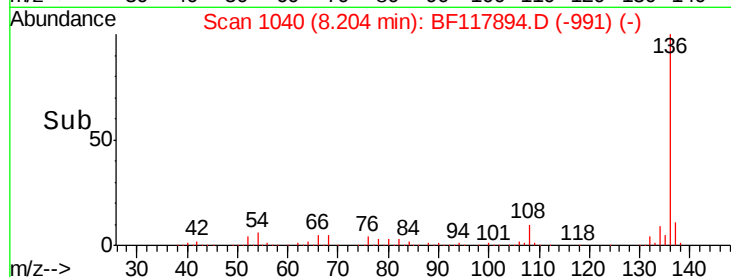
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	571858
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.0 13.4
54	6.3	5.4 8.2
68	4.6	4.3 6.5

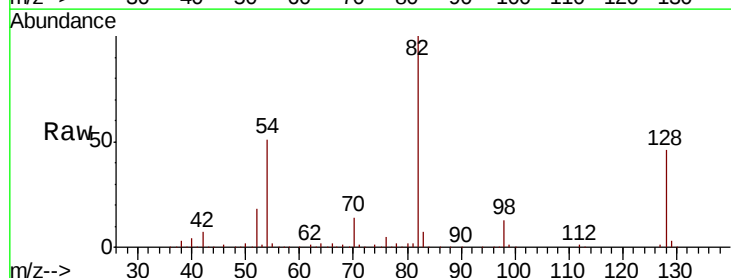


Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

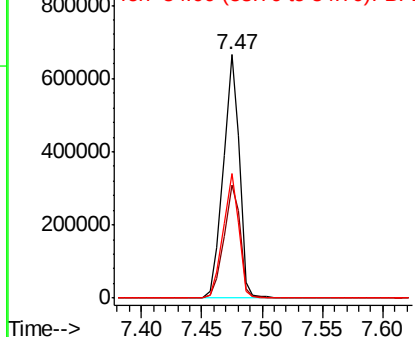
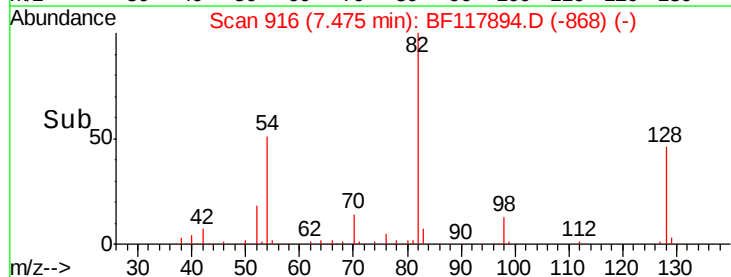


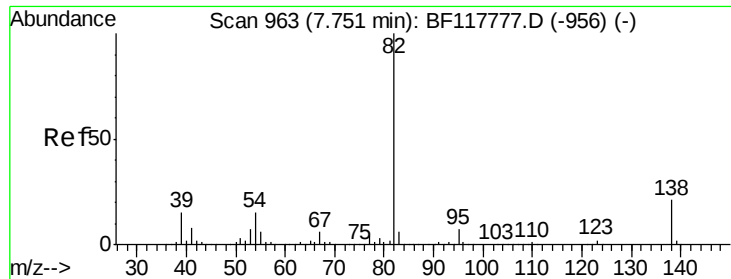
#23
Nitrobenzene-d5
Concen: 63.624 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Tgt Ion: 82	Resp:	612055
Ion Ratio	Lower	Upper
82	100	
128	46.3	38.9 58.3
54	51.2	39.8 59.6



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: 34.411 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.28 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

Instrument :

BNA_F

ClientSampleId :

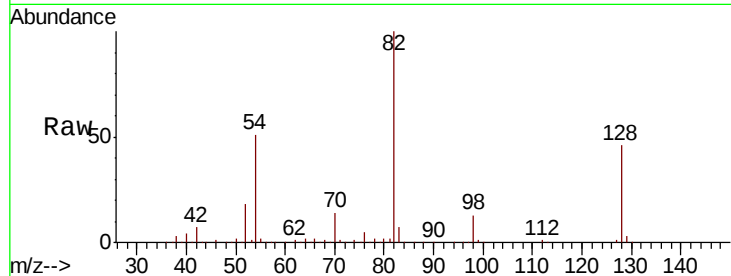
Tot Ion: 82 Resp: 606721

Ion Ratio Lower Upper

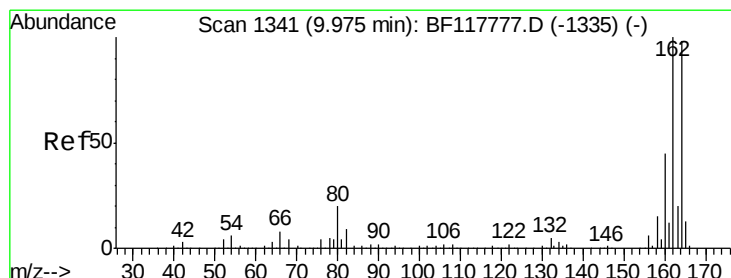
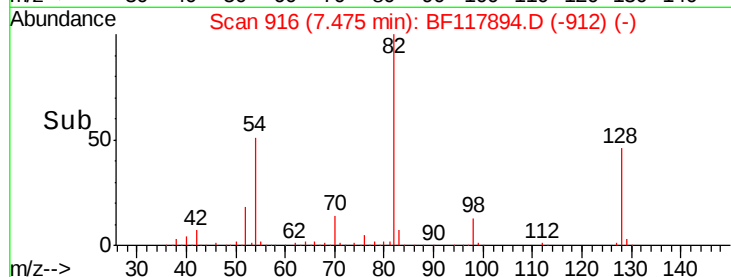
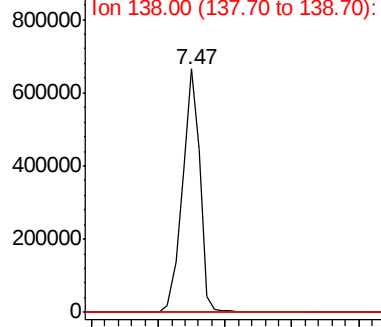
82 100

95 0.0 5.8 8.8#

138 0.0 16.5 24.7#



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: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

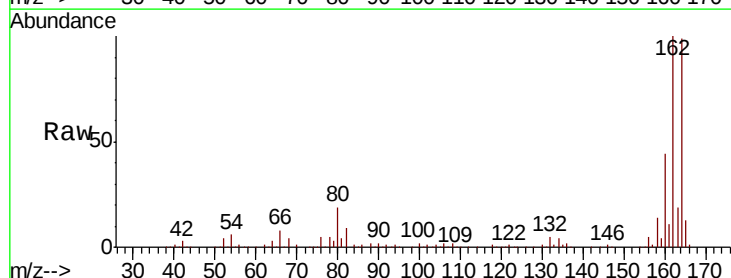
Tgt Ion: 164 Resp: 304578

Ion Ratio Lower Upper

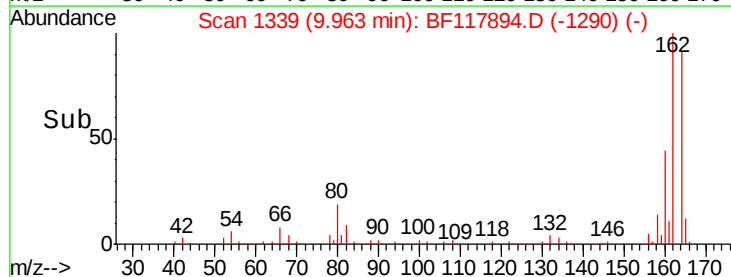
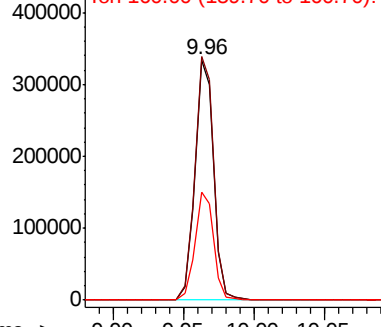
164 100

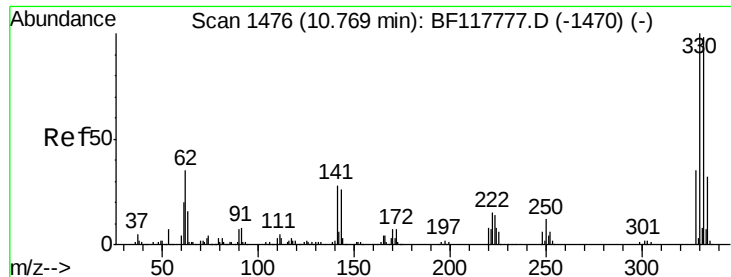
162 101.5 81.3 121.9

160 44.7 36.6 55.0



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

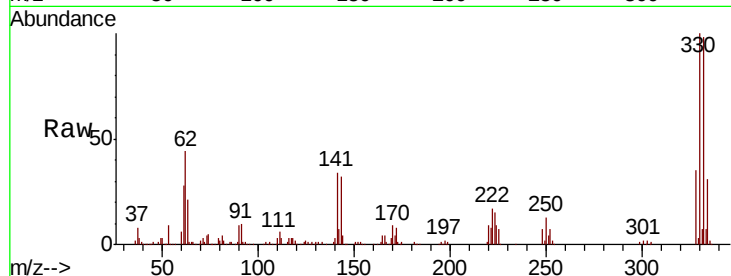




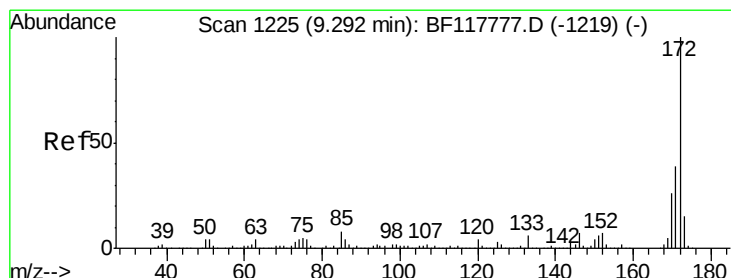
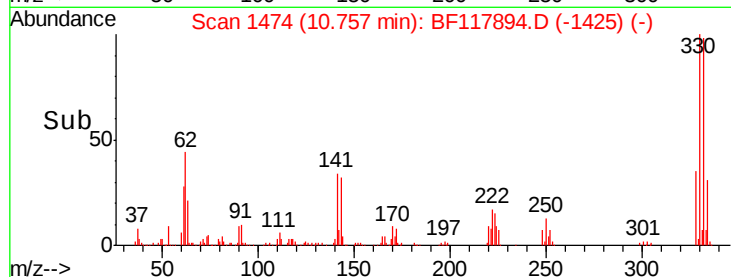
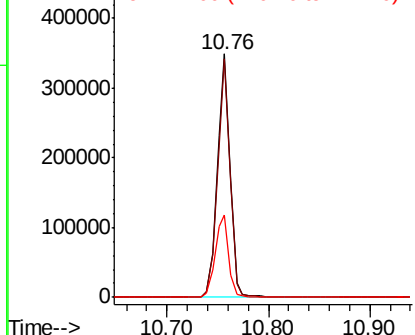
#42
2,4,6-Tribromophenol
Concen: 94.197 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:330 Resp: 303740
Ion Ratio Lower Upper
330 100
332 96.2 76.7 115.1
141 35.8 27.7 41.5

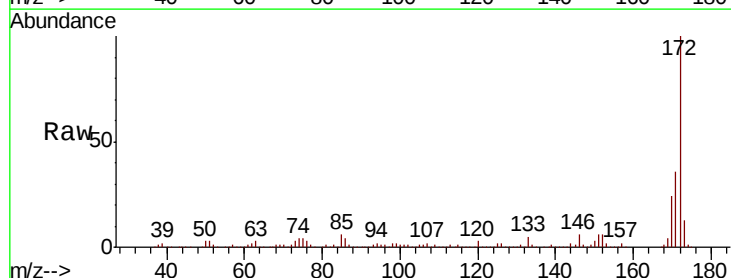


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

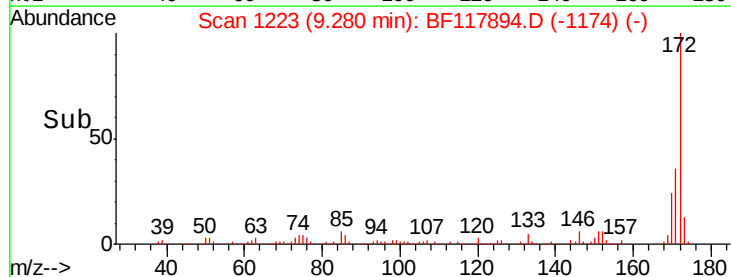
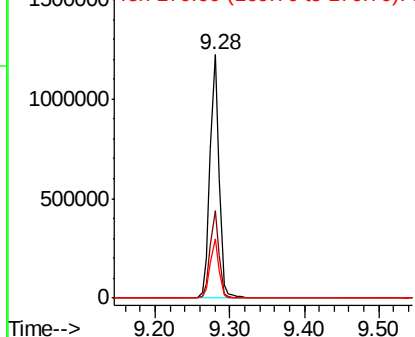


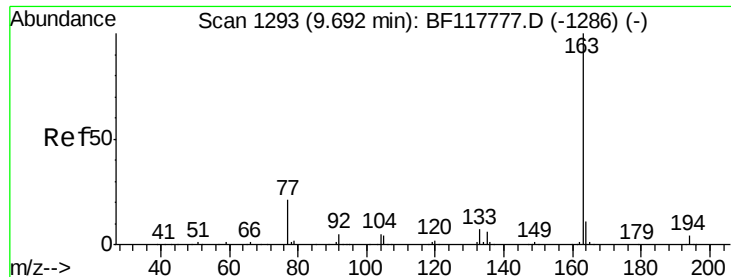
#45
2-Fluorobiphenyl
Concen: 61.068 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Tgt Ion:172 Resp: 1036761
Ion Ratio Lower Upper
172 100
171 36.1 30.9 46.3
170 24.3 21.0 31.4



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

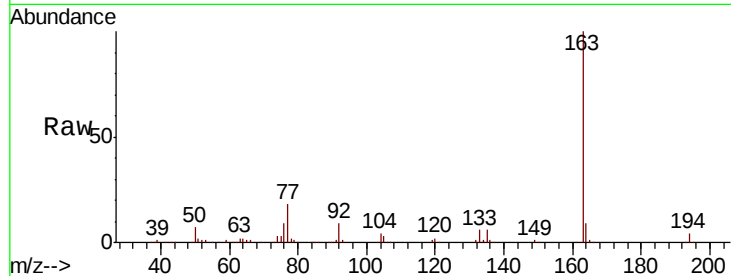




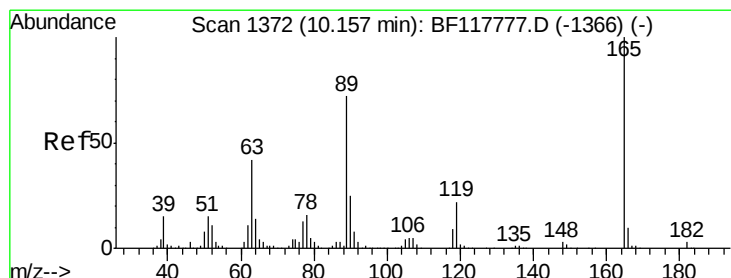
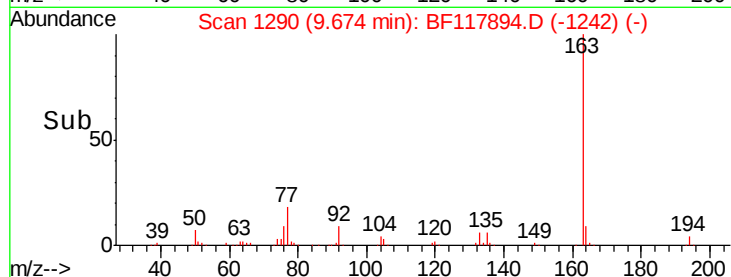
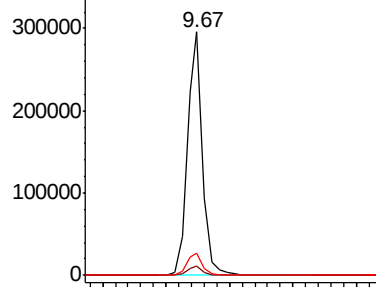
#50
Dimethylphthalate
Concen: 11.515 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	9.2	8.7	13.1

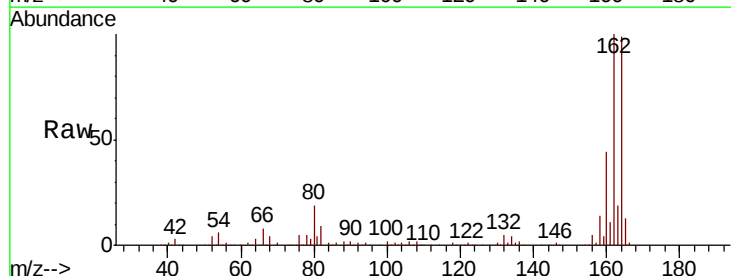


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

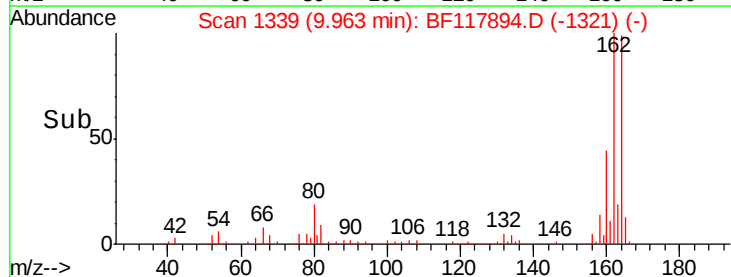
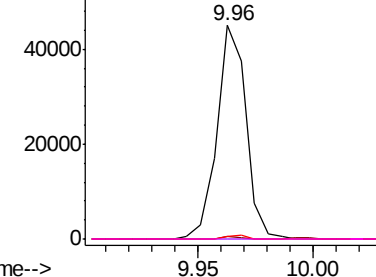


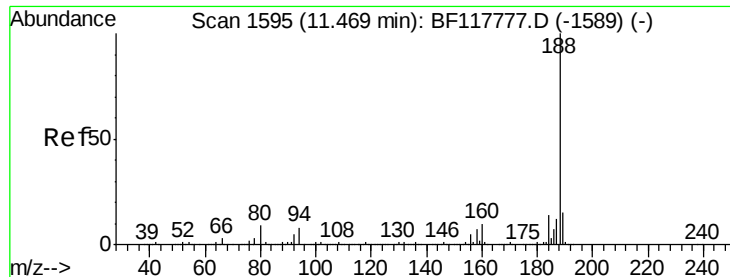
#57
2,4-Dinitrotoluene
Concen: 6.676 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.19 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.7	50.5#
89	1.2	57.3	85.9#
182	0.0	2.3	3.5#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

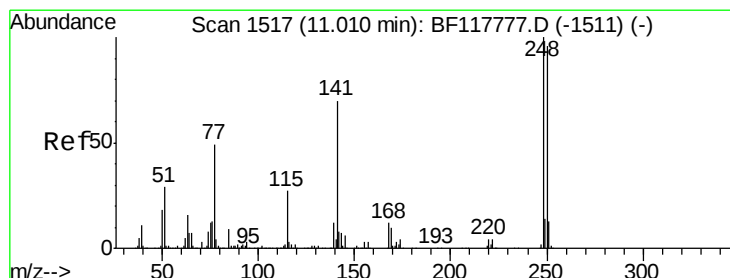
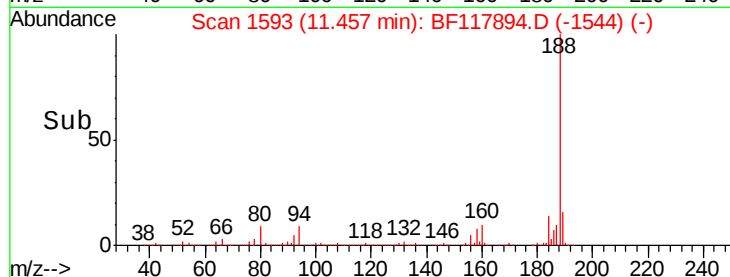
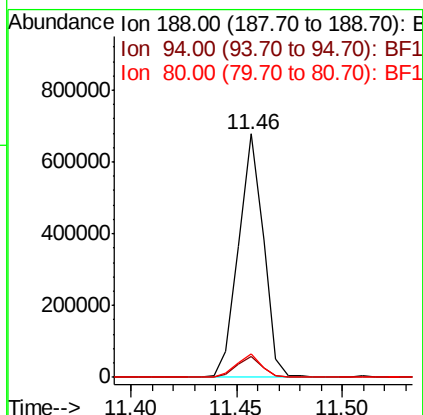
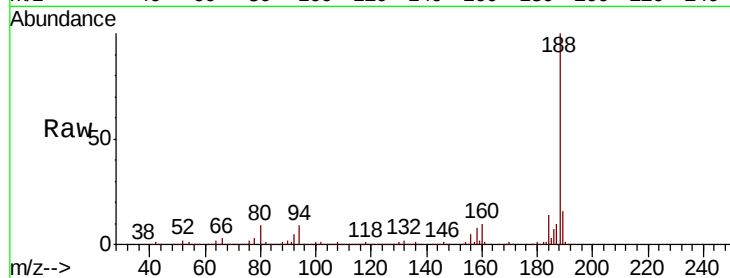




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF117894.D
 Acq: 20 Nov 2019 15:45

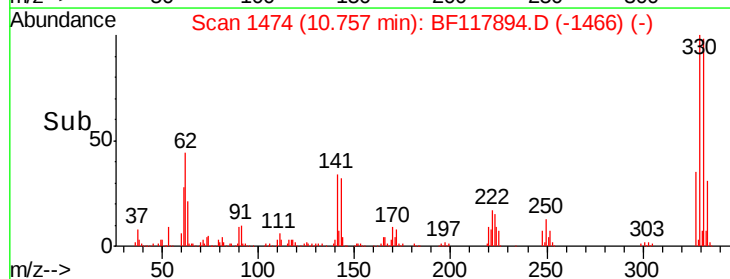
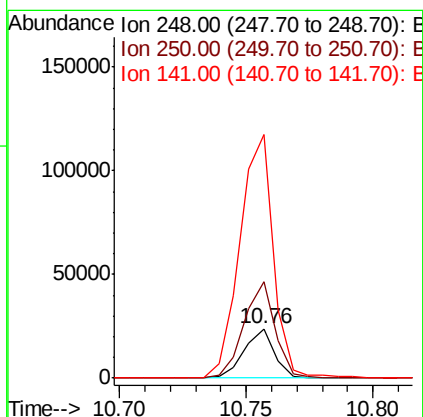
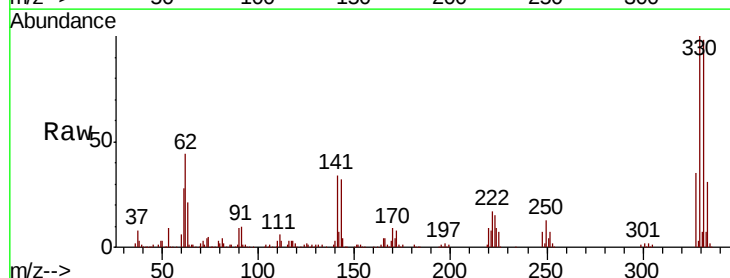
Instrument :
 BNA_F
 ClientSampleId :

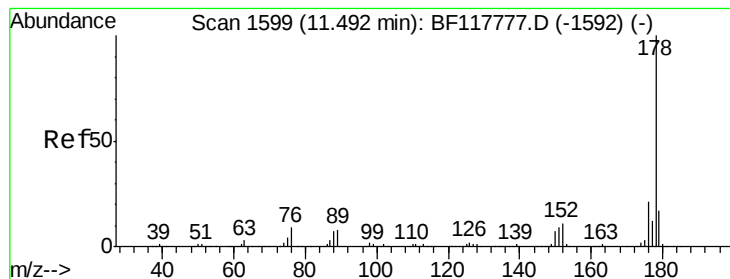
Tot Ion:188 Resp: 553979
 Ion Ratio Lower Upper
 188 100
 94 8.6 6.6 10.0
 80 9.4 7.2 10.8



#67
 4-Bromophenyl-phenylether
 Concen: 3.321 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.25 min
 Lab File: BF117894.D
 Acq: 20 Nov 2019 15:45

Tgt Ion:248 Resp: 19853
 Ion Ratio Lower Upper
 248 100
 250 194.6 76.6 115.0#
 141 493.0 55.9 83.9#





#71

Phenanthrene

Concen: 3.561 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

Instrument :

BNA_F

ClientSampleId :

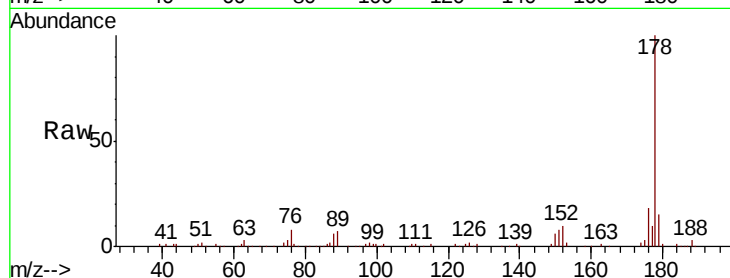
Tot Ion:178 Resp: 99174

Ion Ratio Lower Upper

178 100

176 18.2 16.6 25.0

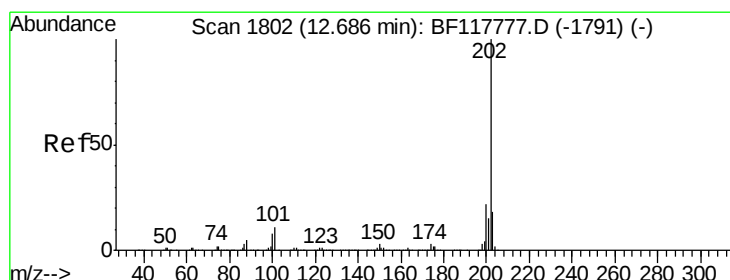
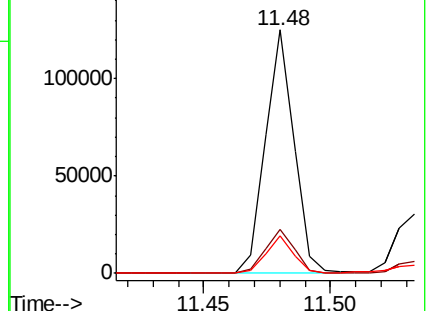
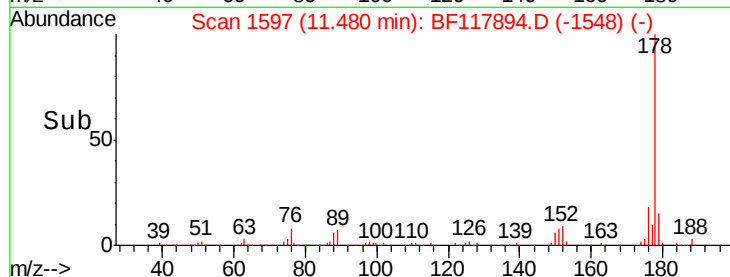
179 15.2 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 2.243 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

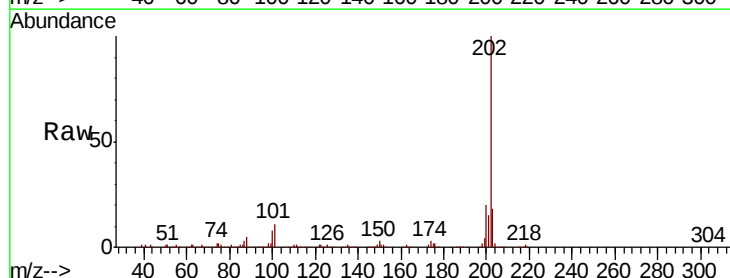
Tgt Ion:202 Resp: 238229

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.1

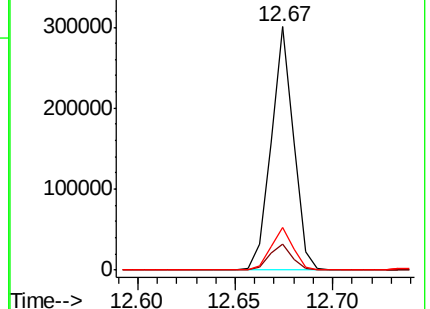
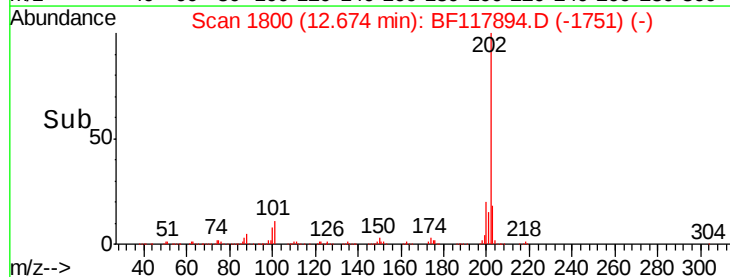
203 17.7 0.0 38.2

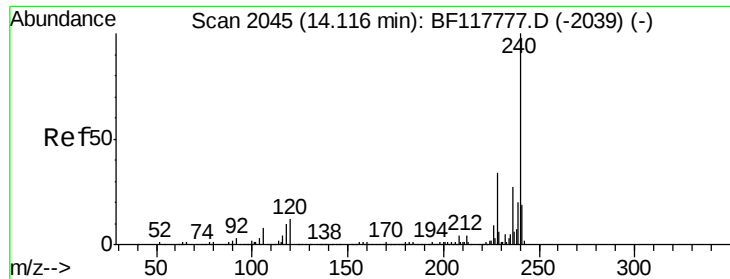


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

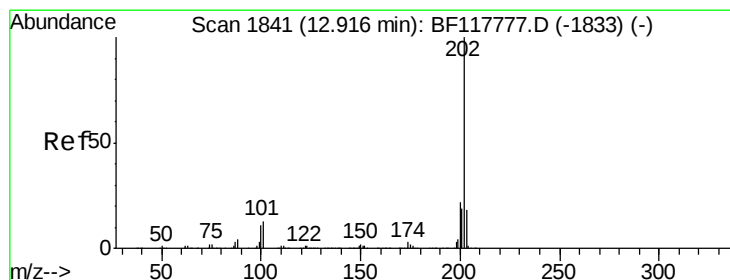
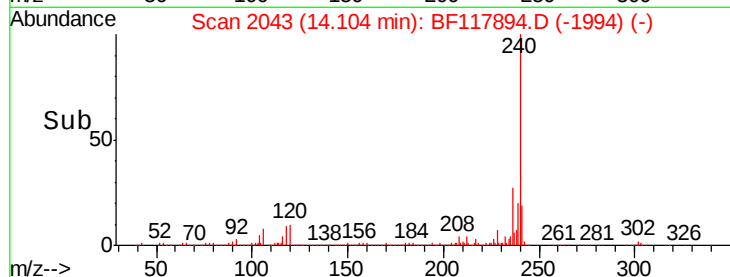
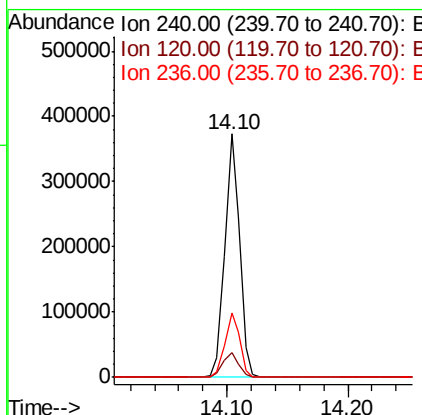
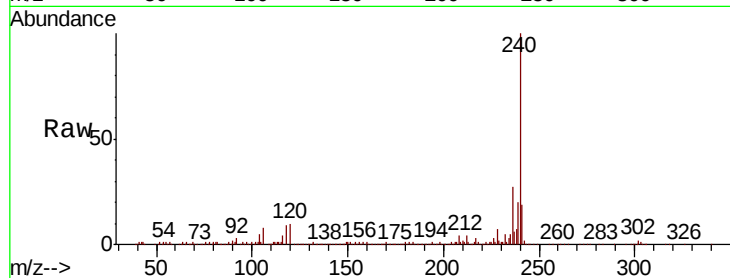




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. -0.01 min
 Lab File: BF117894.D
 Acq: 20 Nov 2019 15:45

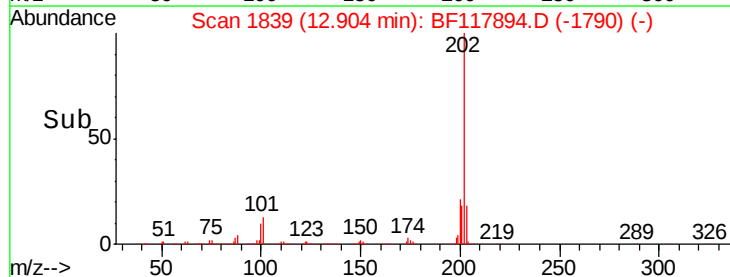
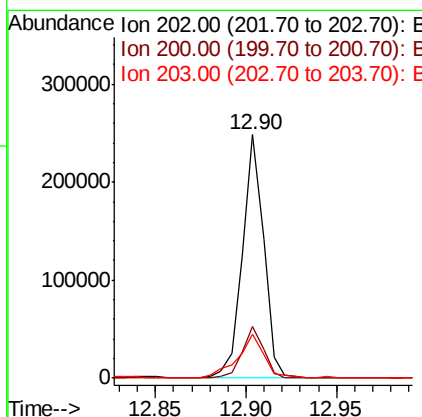
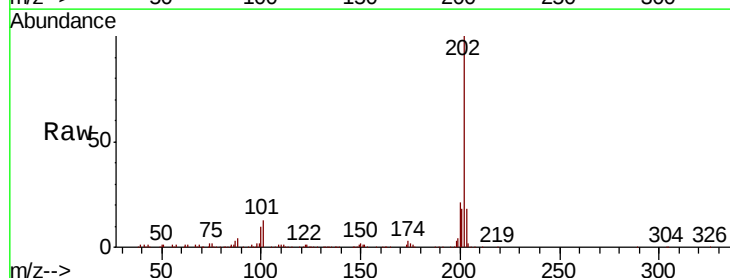
Instrument :
 BNA_F
 ClientSampleId :

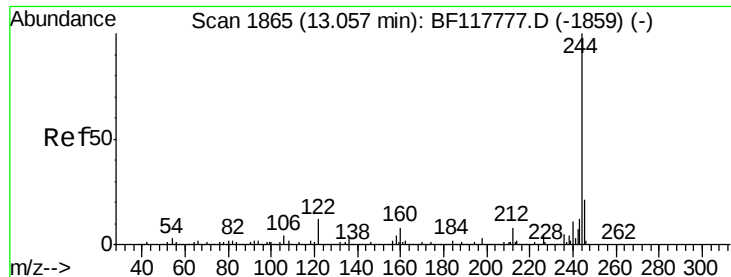
Tot Ion:240 Resp: 315759
 Ion Ratio Lower Upper
 240 100
 120 10.4 9.5 14.3
 236 26.7 21.3 31.9



#78
 Pyrene
 Concen: 8.024 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF117894.D
 Acq: 20 Nov 2019 15:45

Tgt Ion:202 Resp: 204767
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.8 26.8
 203 17.8 14.6 22.0





#79

Terphenyl-d14

Concen: 63.828 ng

RT: 13.04 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

Instrument :

BNA_F

ClientSampled :

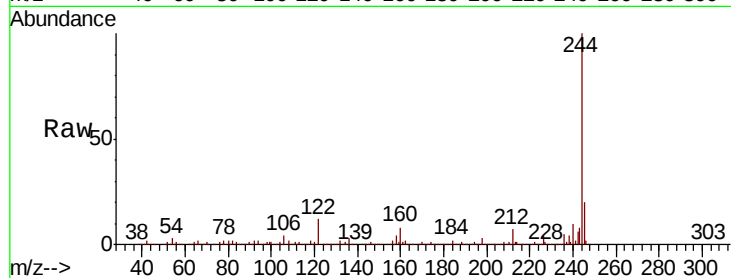
Tot Ion:244 Resp: 1102767

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.3	9.5
122	11.9	9.4	14.2

244 100

212 7.3 6.3 9.5

122 11.9 9.4 14.2

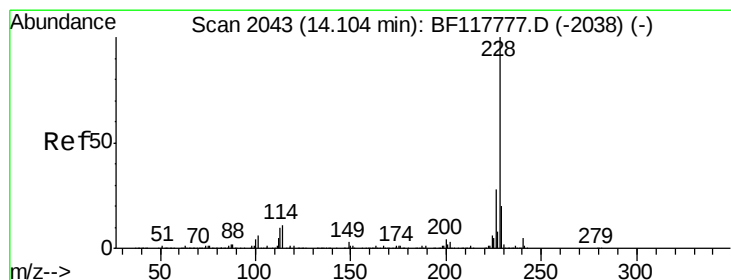
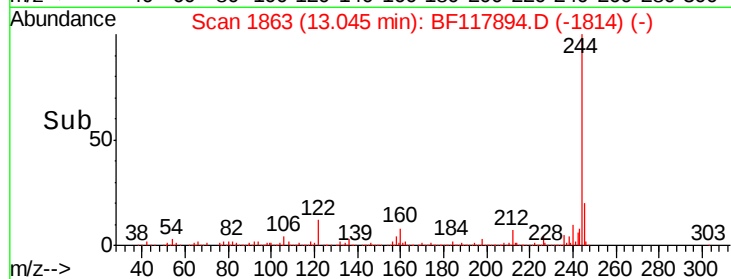
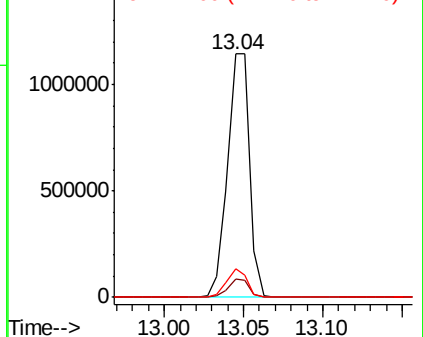


Abundance

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: 4.708 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

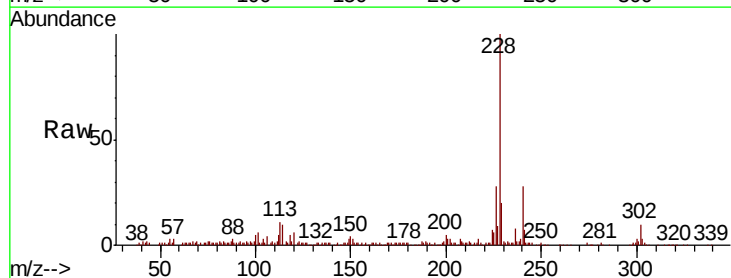
Tgt Ion:228 Resp: 98226

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.2
229	19.9	15.9	23.9

228 100

226 28.1 22.2 33.2

229 19.9 15.9 23.9

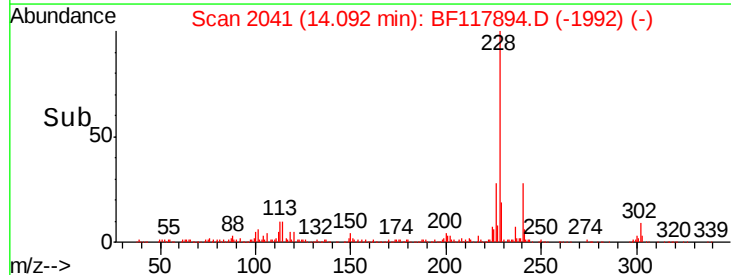
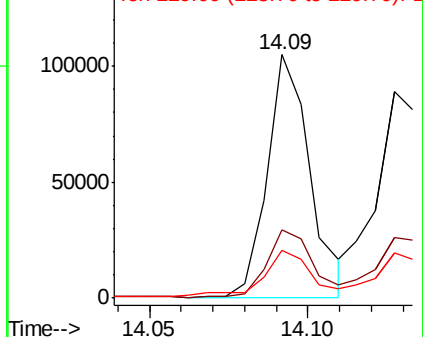


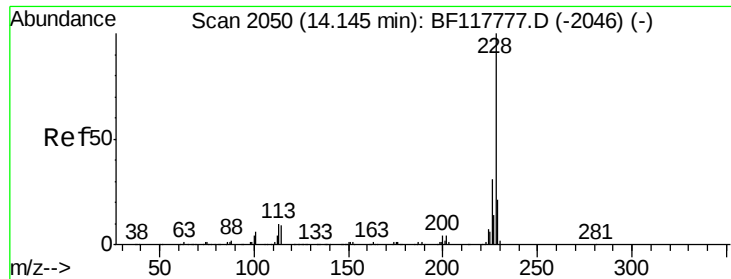
Abundance

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

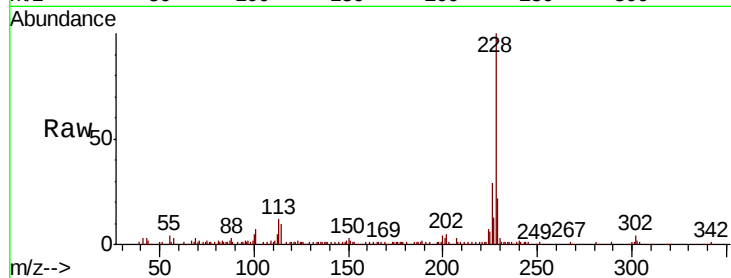




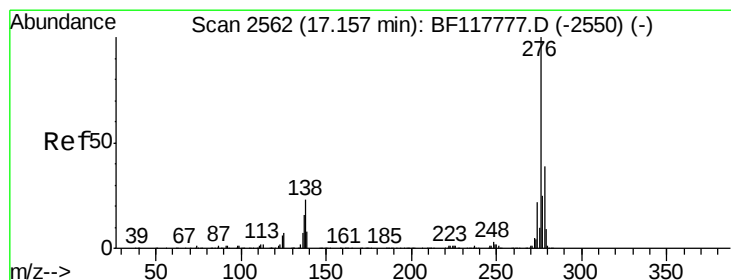
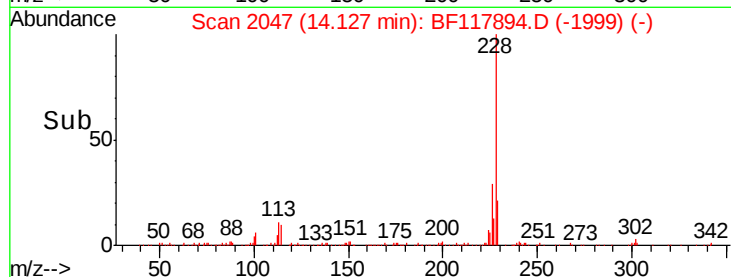
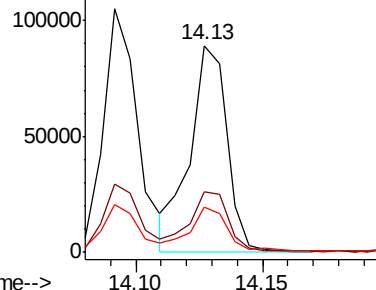
#83
Chrysene
Concen: 4.447 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:228	Resp:	89920
Ion Ratio	Lower	Upper
228	100	
226	29.3	25.0 37.4
229	22.0	16.6 25.0

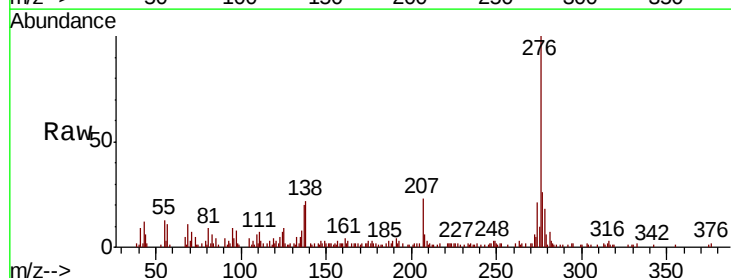


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

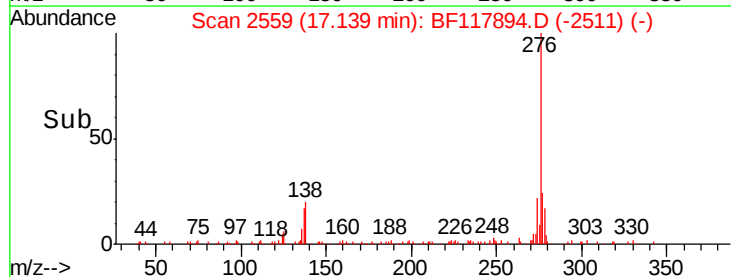
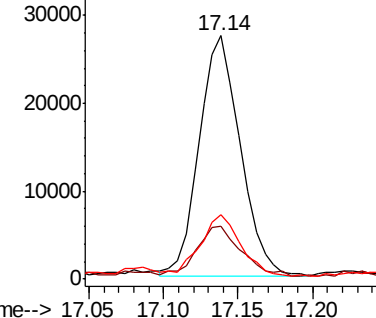


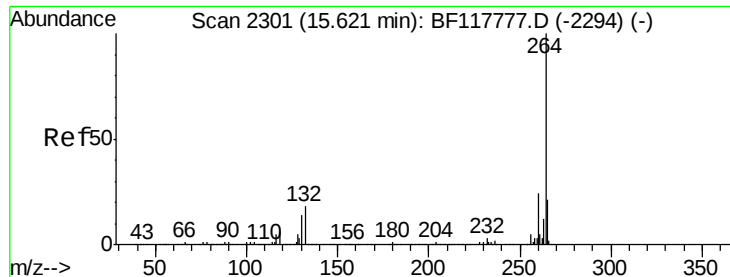
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.040 ng
RT: 17.14 min Scan# 2559
Delta R.T. -0.02 min
Lab File: BF117894.D
Acq: 20 Nov 2019 15:45

Tgt Ion:276	Resp:	52314
Ion Ratio	Lower	Upper
276	100	
138	22.2	20.9 31.3
277	25.3	20.3 30.5



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

Pervlene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

Instrument :

BNA_F

ClientSampleId :

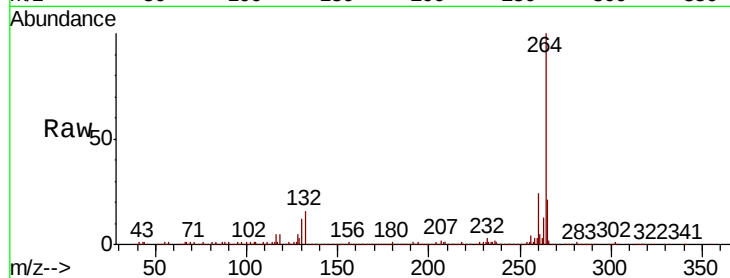
Tot Ion:264 Resp: 374164

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.0

265 20.6 17.1 25.7

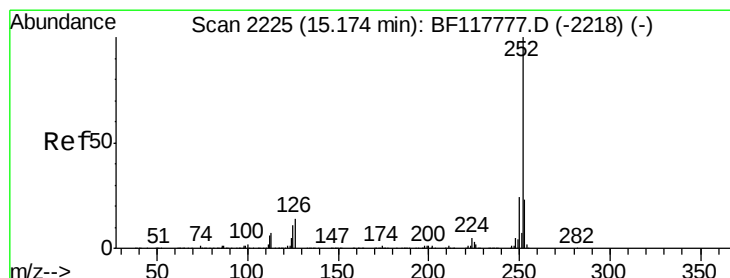
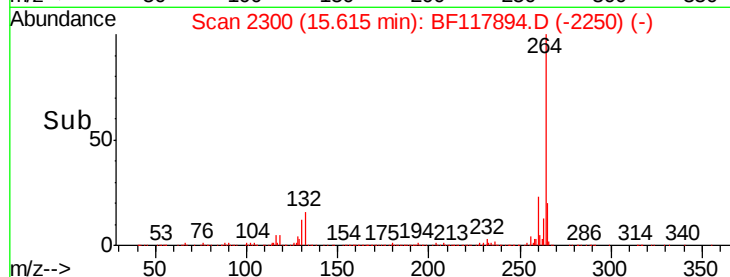
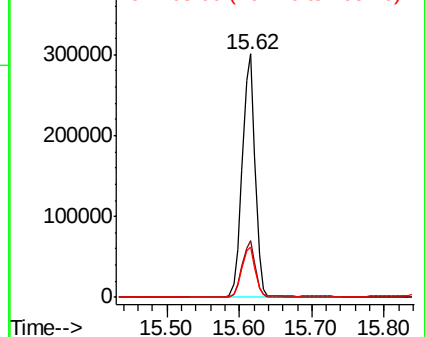


Abundance

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: 7.211 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

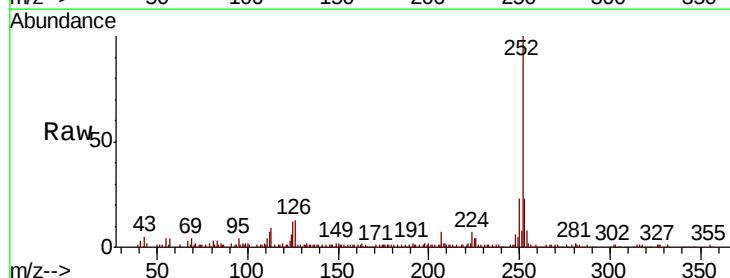
Tgt Ion:252 Resp: 175304

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 12.0 8.6 13.0

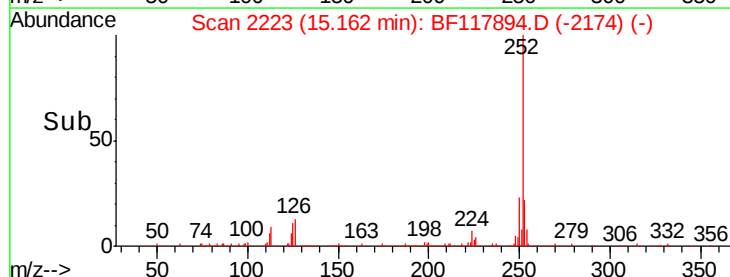
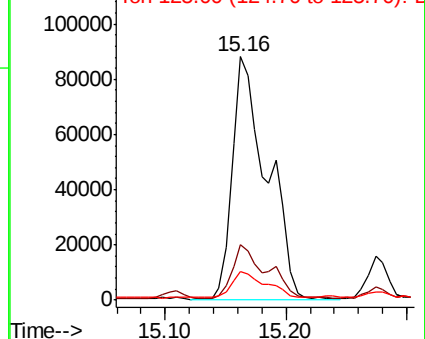


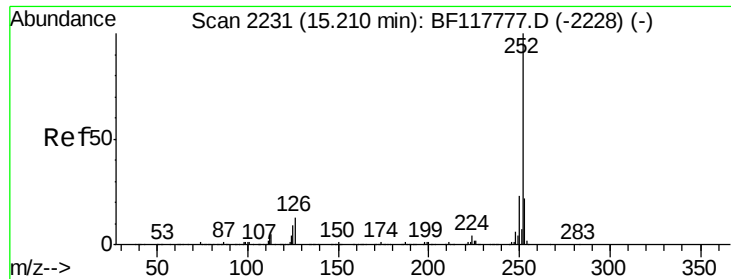
Abundance

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: 7.653 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.05 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

Instrument :

BNA_F

ClientSampled :

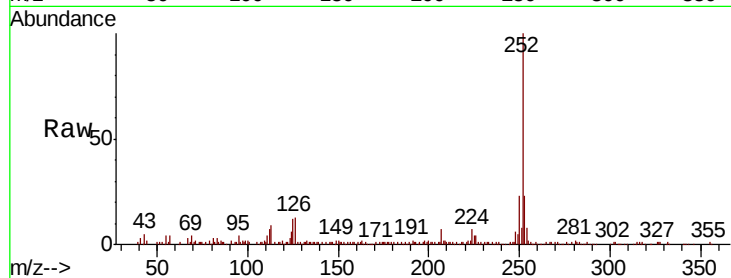
Tot Ion:252 Resp: 175304

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

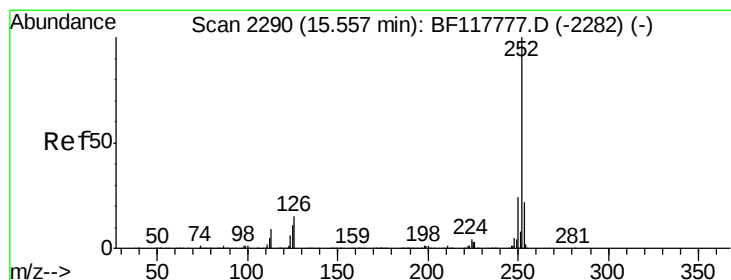
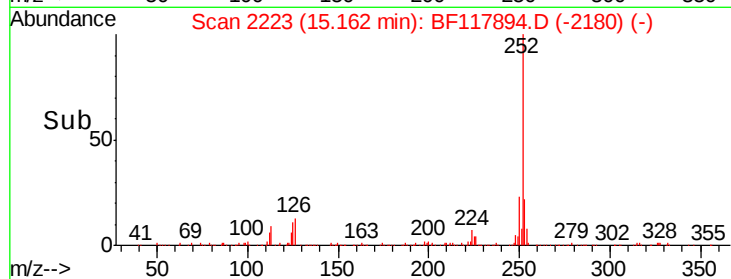
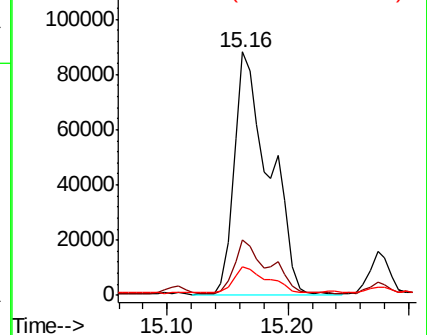
125 12.0 7.9 11.9#



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



#90

Benzo(a)pyrene

Concen: 4.235 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF117894.D

Acq: 20 Nov 2019 15:45

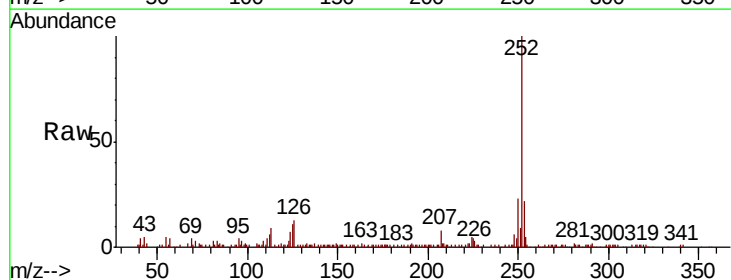
Tgt Ion:252 Resp: 90519

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

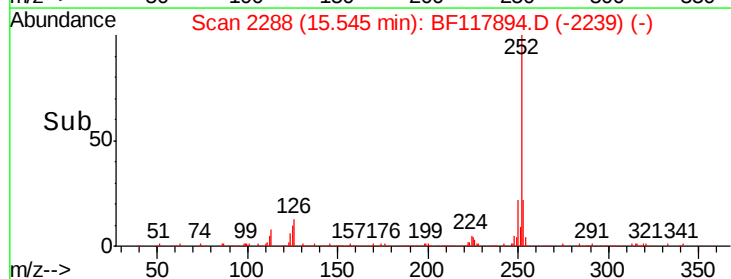
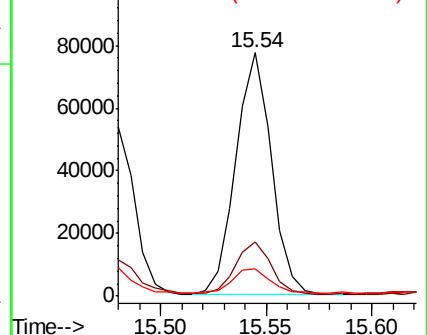
125 11.3 9.2 13.8

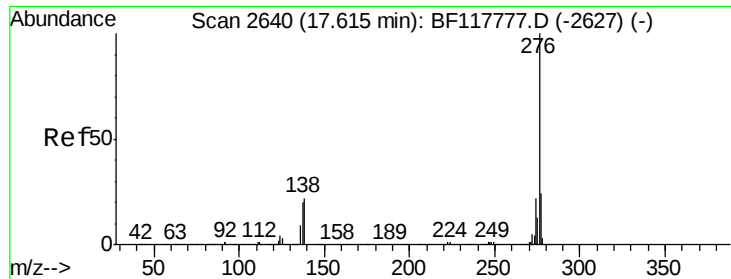


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 2.653 ng
 RT: 17.60 min Scan# 2637
 Delta R.T. -0.02 min
 Lab File: BF117894.D
 Acq: 20 Nov 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.2	18.9	28.3	
138	19.3	17.4	26.2	

