

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
 Data File : BF117985.D
 Acq On : 26 Nov 2019 00:17
 Operator : JU
 Sample : K5973-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 26 03:54:20 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

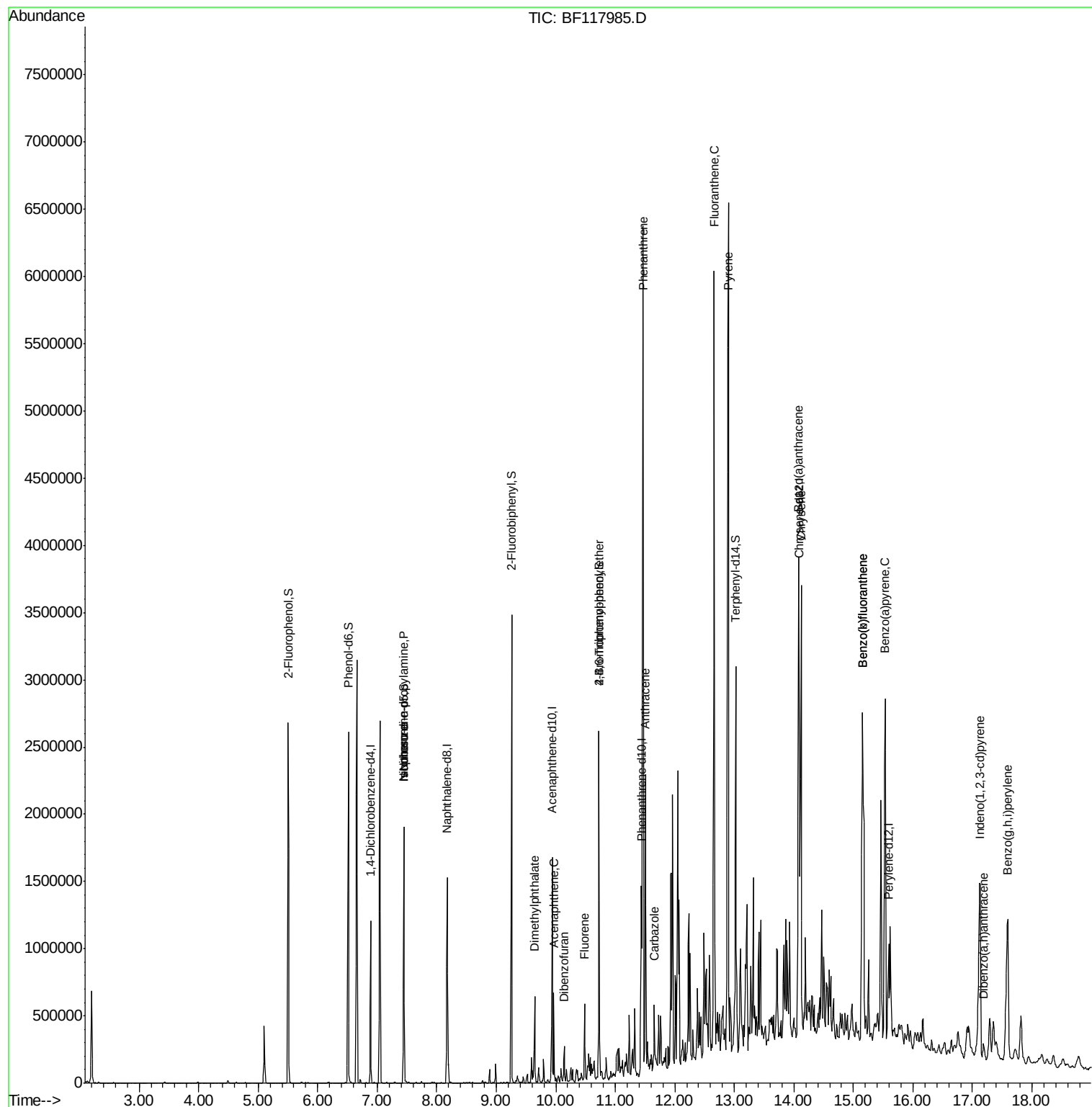
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	162129	20.00	ng	-0.04
21) Naphthalene-d8	8.17	136	649711	20.00	ng	-0.04
39) Acenaphthene-d10	9.94	164	333680	20.00	ng	-0.04
64) Phenanthrene-d10	11.43	188	598436	20.00	ng	-0.04
76) Chrysene-d12	14.09	240	302459	20.00	ng	-0.02
87) Perylene-d12	15.59	264	318355	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	741476	80.95	ng	-0.03
7) Phenol-d6	6.52	99	962988	87.17	ng	-0.03
23) Nitrobenzene-d5	7.45	82	596442	54.57	ng	-0.04
42) 2,4,6-Tribromophenol	10.73	330	287782	81.46	ng	-0.04
45) 2-Fluorobiphenyl	9.26	172	1068948	57.47	ng	-0.04
79) Terphenyl-d14	13.02	244	1006039	60.79	ng	-0.04
Target Compounds				Qvalue		
9) Benzaldehyde	6.51	77	1719	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.45	70	80074	11.749	ng	# 73
25) Isophorone	7.45	82	588406	29.373	ng	# 62
50) Dimethylphthalate	9.65	163	241657	10.328	ng	99
52) Acenaphthene	9.97	154	125390	6.592	ng	99
55) Dibenzofuran	10.14	168	60472	2.296	ng	# 97
58) Fluorene	10.49	166	141044	6.910	ng	100
67) 4-Bromophenyl-phenylether	10.73	248	18448	2.857	ng	# 1
71) Phenanthrene	11.47	178	2737301	90.978	ng	99
72) Anthracene	11.51	178	731424	24.519	ng	99
73) Carbazole	11.66	167	167860	6.439	ng	99
75) Fluoranthene	12.67	202	3053584	124.793	ng	99
78) Pyrene	12.90	202	3582321	146.556	ng	97
81) Benzo(a)anthracene	14.08	228	1635561	81.832	ng	98
83) Chrysene	14.12	228	1347543	69.578	ng	99
86) Indeno(1,2,3-cd)pyrene	17.12	276	977477	59.300	ng	94
88) Benzo(b)fluoranthene	15.15	252	2117949	102.397	ng	98
89) Benzo(k)fluoranthene	15.15	252	2117949	108.676	ng	97
90) Benzo(a)pyrene	15.53	252	1379500	75.847	ng	97
91) Dibenzo(a,h)anthracene	17.19	278	86269	5.511	ng	96
92) Benzo(g,h,i)perylene	17.59	276	1018409	65.314	ng	99

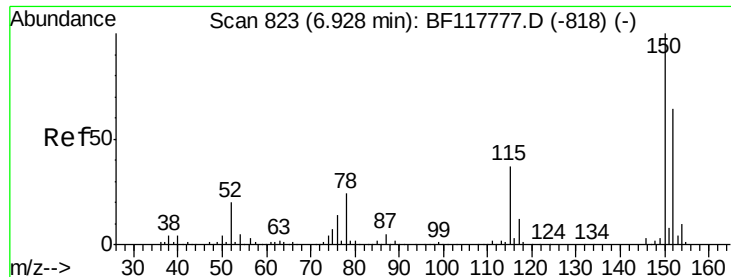
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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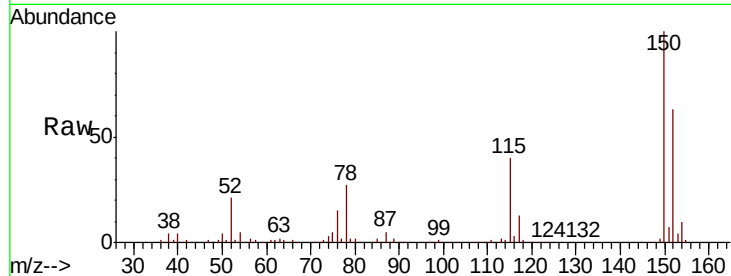


#1

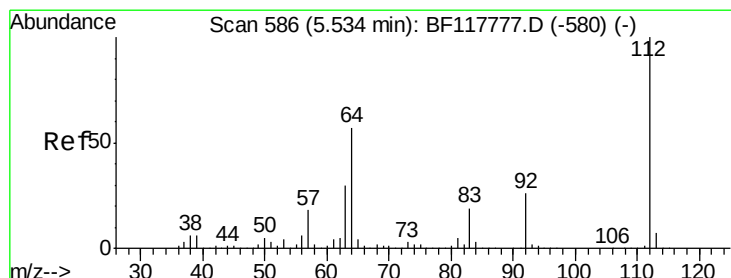
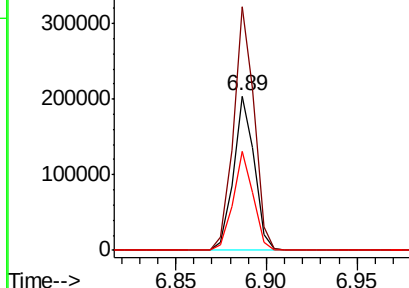
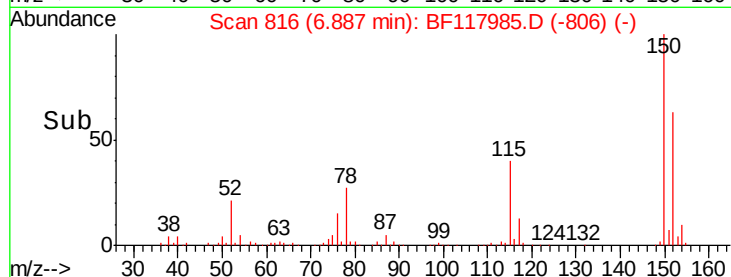
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.04 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 162129
Ion Ratio Lower Upper
152 100
150 157.7 125.3 187.9
115 63.8 47.0 70.4



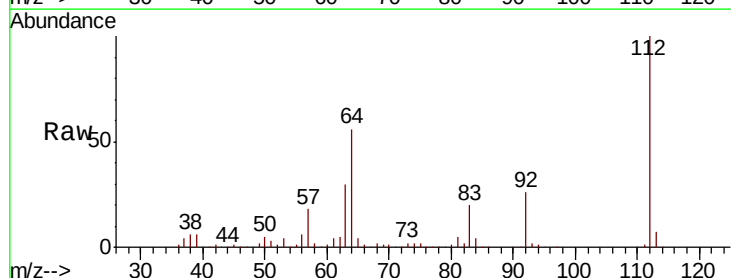
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



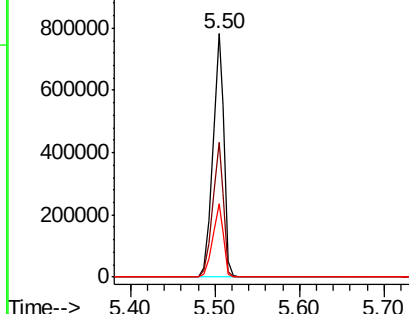
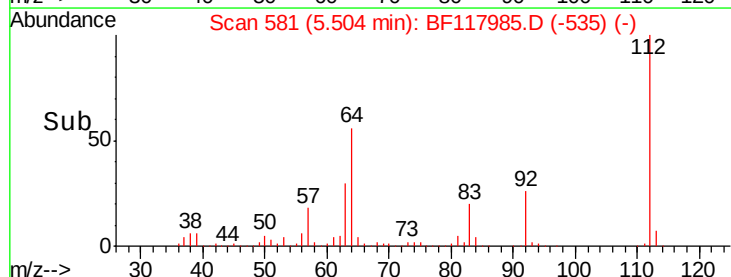
#5

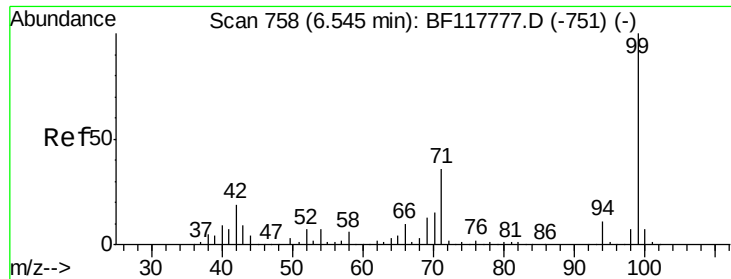
2-Fluorophenol
Concen: 80.954 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.03 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion:112 Resp: 741476
Ion Ratio Lower Upper
112 100
64 55.6 45.6 68.4
63 30.0 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: 87.167 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

Instrument :

BNA_F

ClientSampleId :

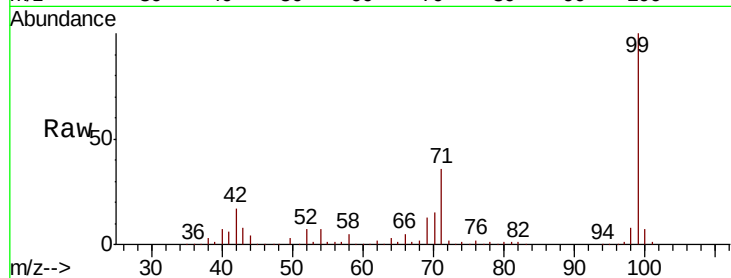
Tot Ion: 99 Resp: 962988

Ion Ratio Lower Upper

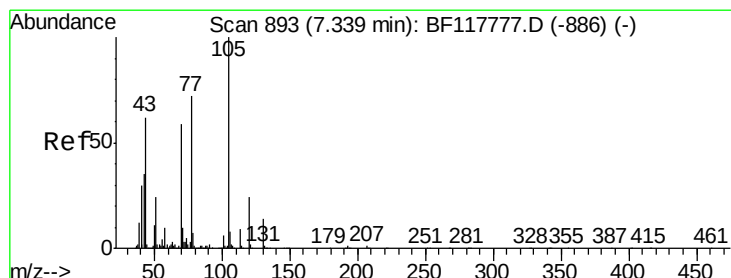
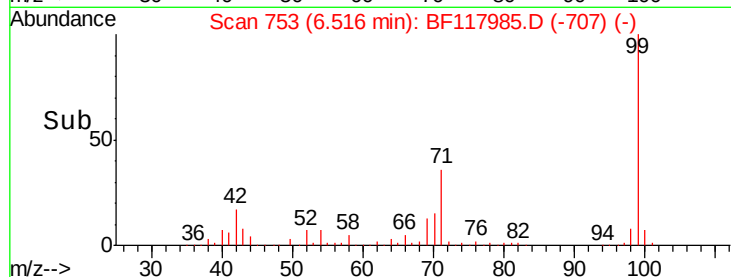
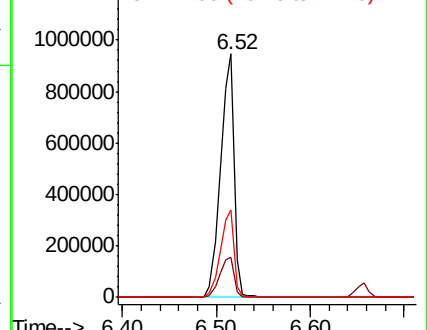
99 100

42 16.6 14.9 22.3

71 35.7 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: 11.749 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.11 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

Tgt Ion: 70 Resp: 80074

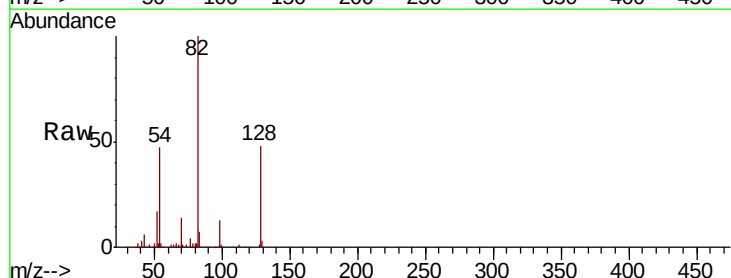
Ion Ratio Lower Upper

70 100

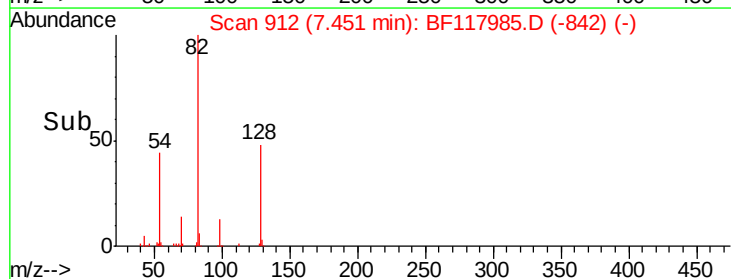
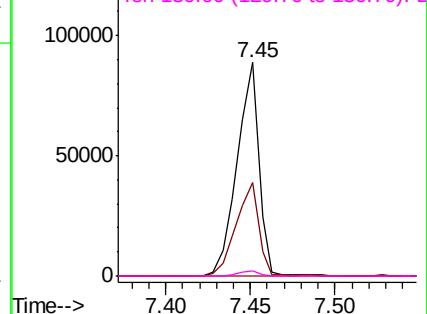
42 43.6 47.4 71.2#

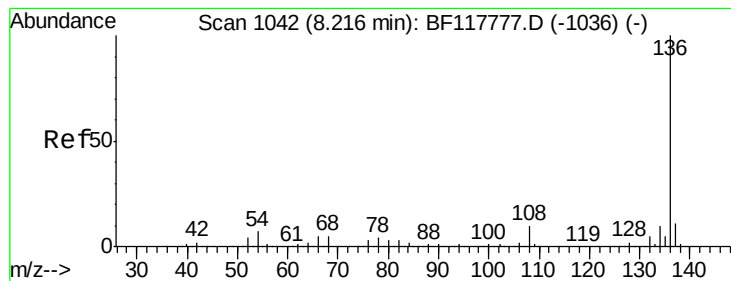
101 0.0 8.4 12.6#

130 2.3 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: 8.17 min Scan# 1035

Delta R.T. -0.04 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 649711

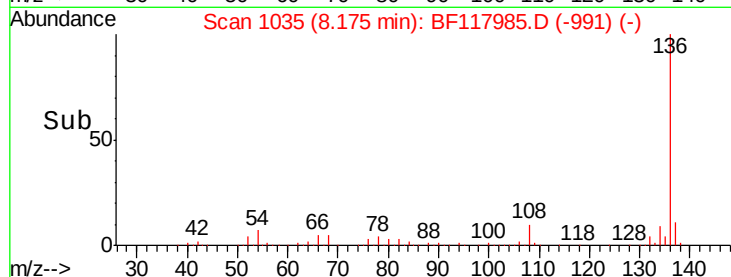
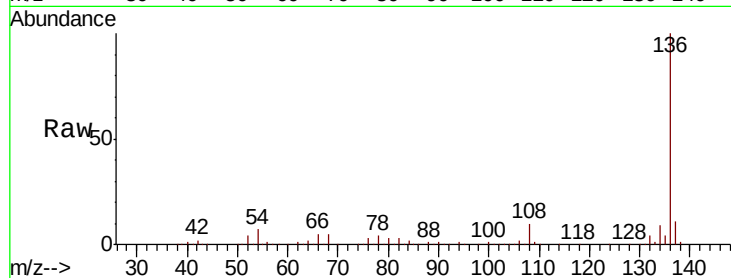
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.9 5.4 8.2

68 5.2 4.3 6.5

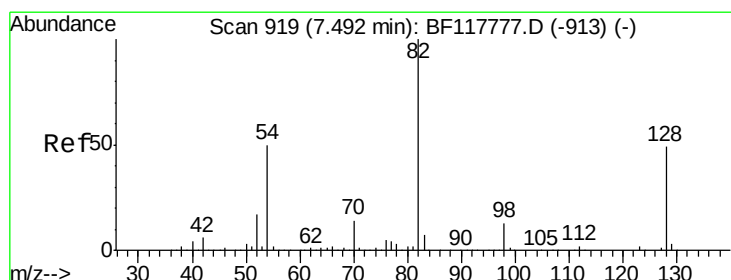
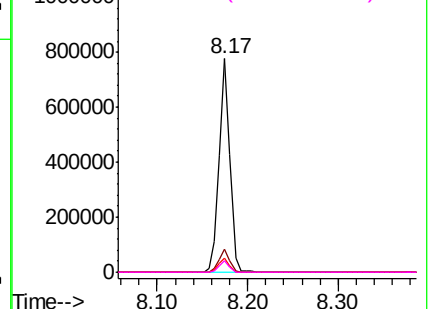


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.572 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.04 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

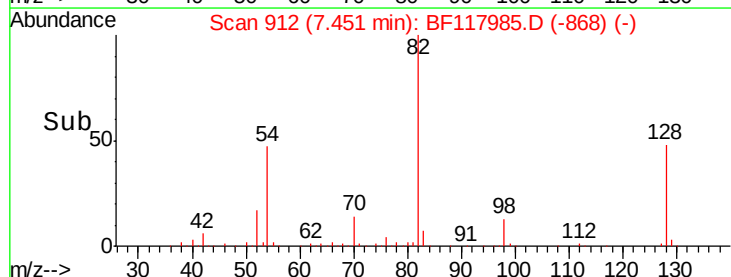
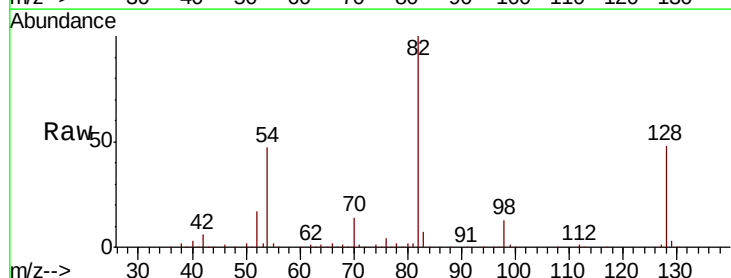
Tgt Ion: 82 Resp: 596442

Ion Ratio Lower Upper

82 100

128 48.2 38.9 58.3

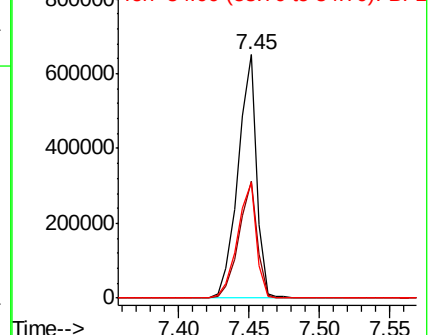
54 47.5 39.8 59.6

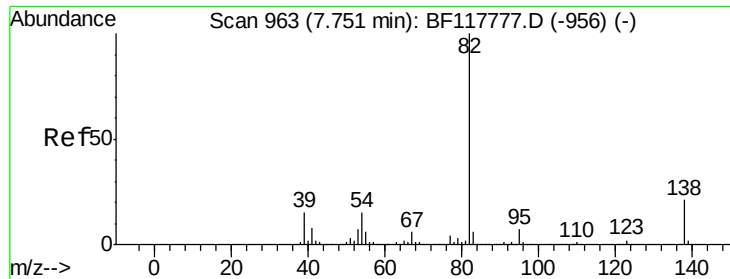


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.373 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.30 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

Instrument :

BNA_F

ClientSampleId :

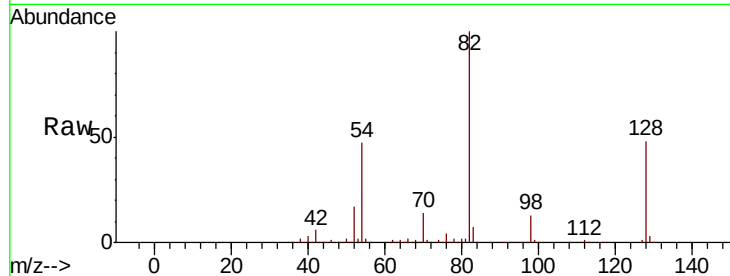
Tot Ion: 82 Resp: 588406

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 16.5 24.7#

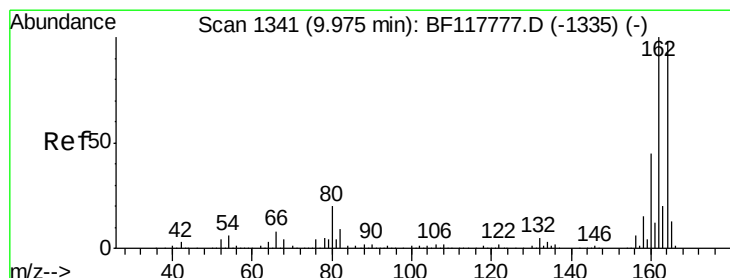
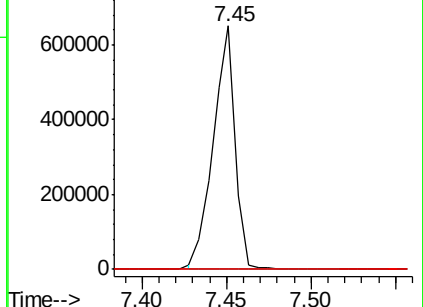
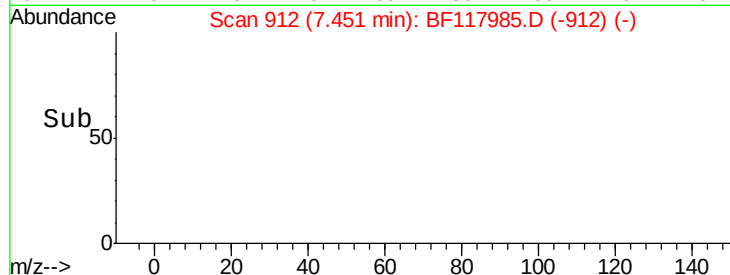


Abundance Ion 82.00 (81.70 to 82.70): BF117777.D (-956) (-)

Ion 95.00 (94.70 to 95.70): BF117777.D (-956) (-)

Ion 138.00 (137.70 to 138.70): BF117777.D (-956) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.04 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

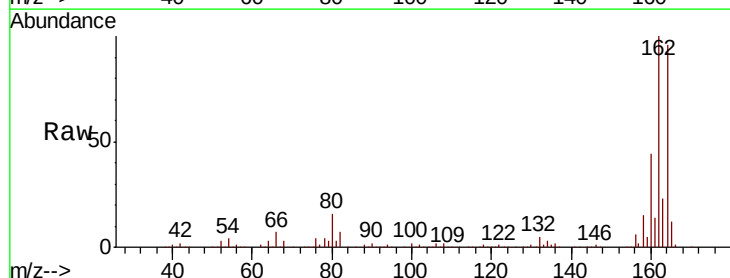
Tgt Ion: 164 Resp: 333680

Ion Ratio Lower Upper

164 100

162 104.2 81.3 121.9

160 45.5 36.6 55.0

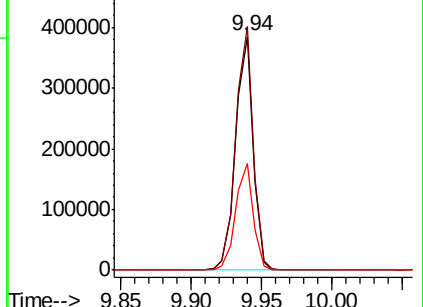
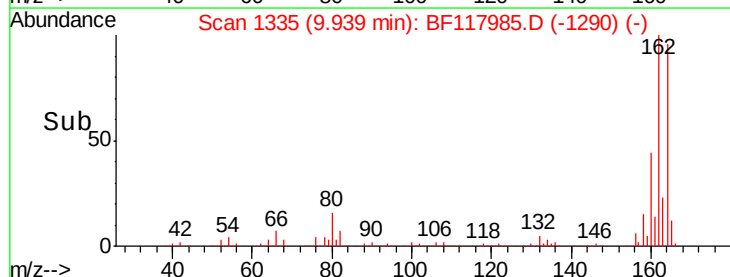


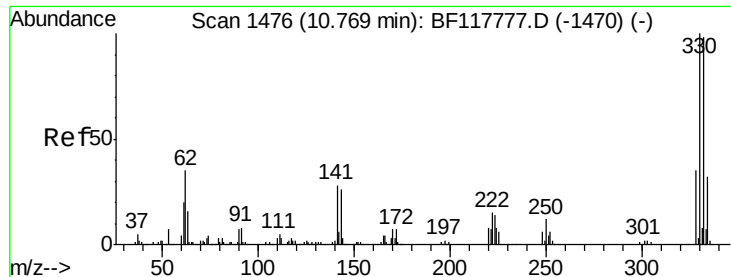
Abundance Ion 164.00 (163.70 to 164.70): BF117777.D (-1335) (-)

Ion 162.00 (161.70 to 162.70): BF117777.D (-1335) (-)

Ion 160.00 (159.70 to 160.70): BF117777.D (-1335) (-)

Time-->





#42

2,4,6-Tribromophenol

Concen: 81.464 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.04 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

Instrument :

BNA_F

ClientSampleId :

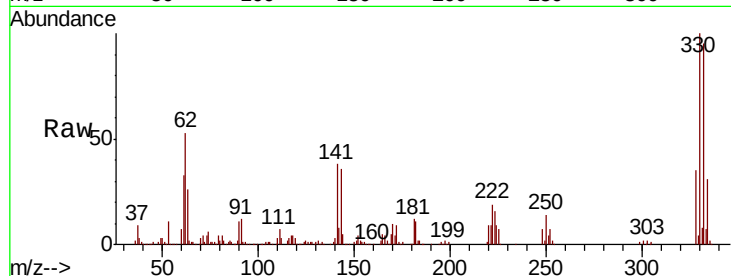
Tot Ion:330 Resp: 287782

Ion Ratio Lower Upper

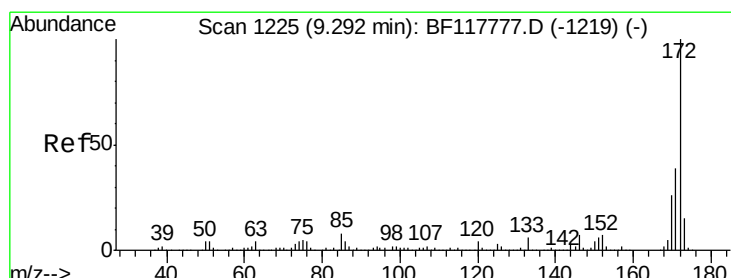
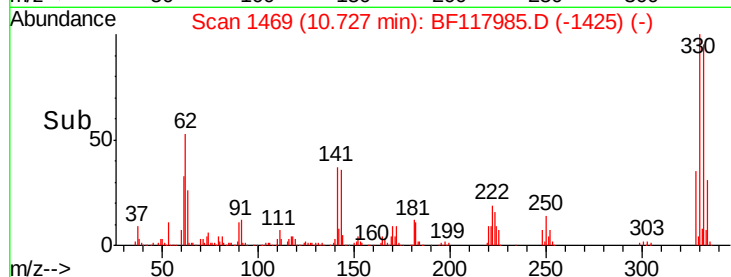
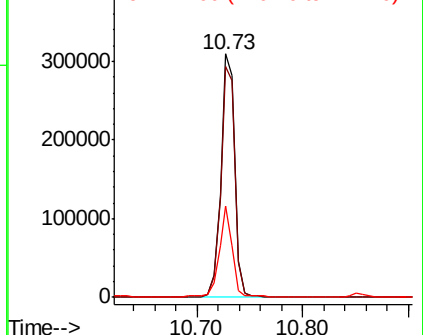
330 100

332 96.4 76.7 115.1

141 34.6 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: 57.472 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.04 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

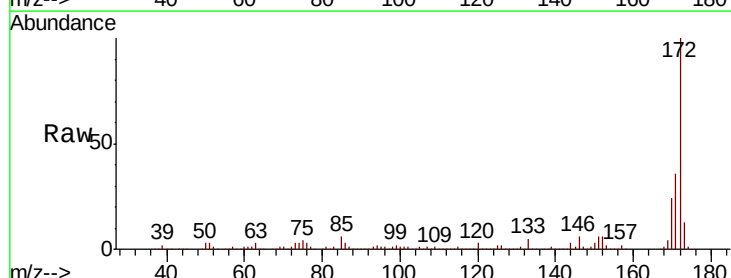
Tgt Ion:172 Resp: 1068948

Ion Ratio Lower Upper

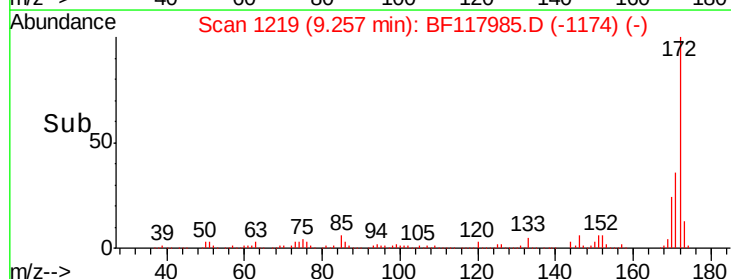
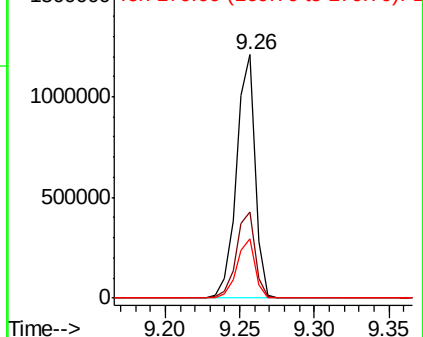
172 100

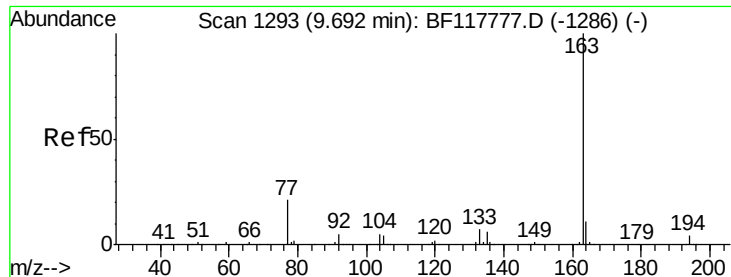
171 35.6 30.9 46.3

170 24.2 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

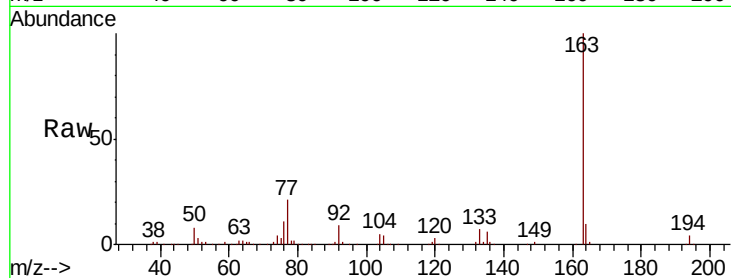




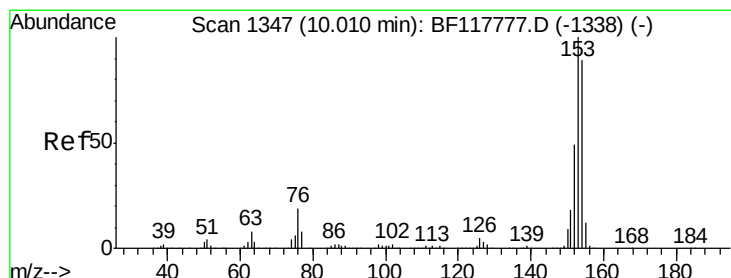
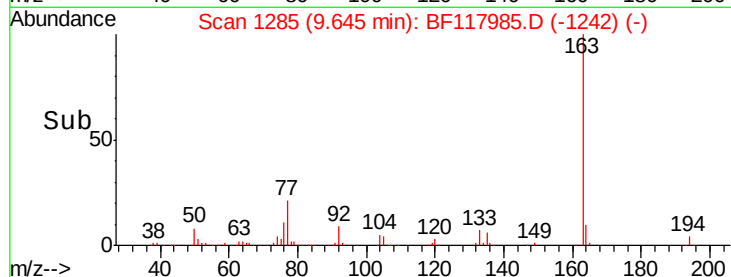
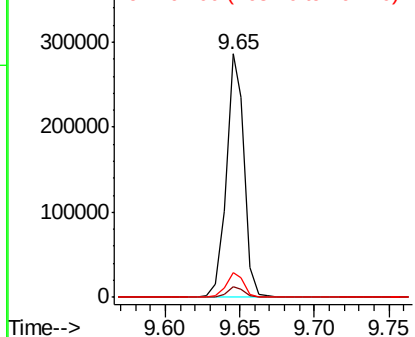
#50
Dimethylphthalate
Concen: 10.328 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.05 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.3	8.7	13.1

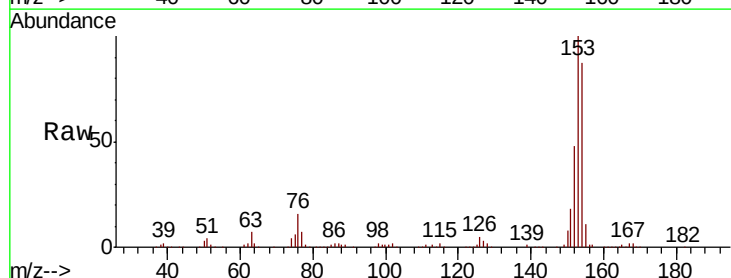


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

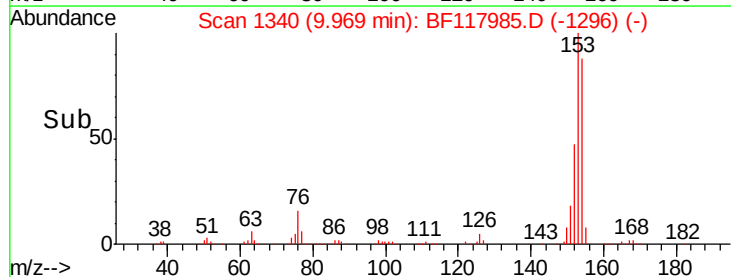
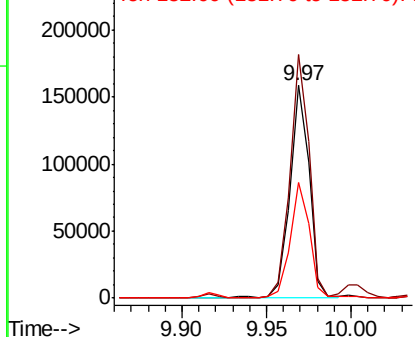


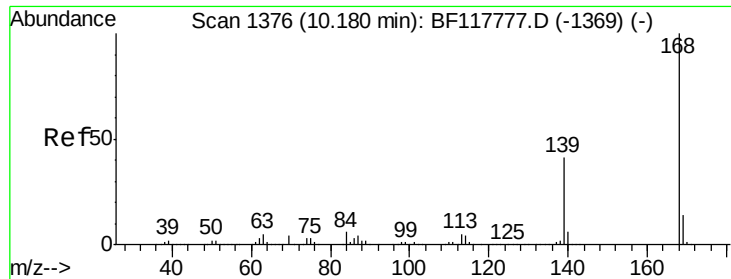
#52
Acenaphthene
Concen: 6.592 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.04 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.4	90.1	135.1
152	54.4	44.0	66.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

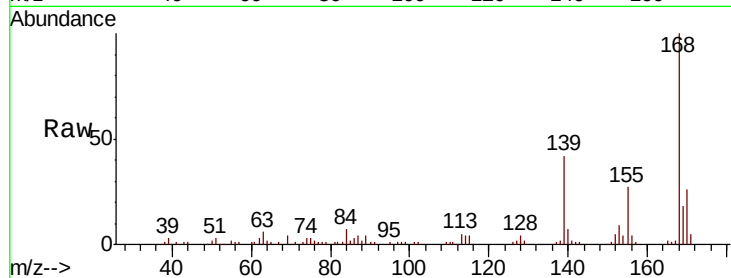




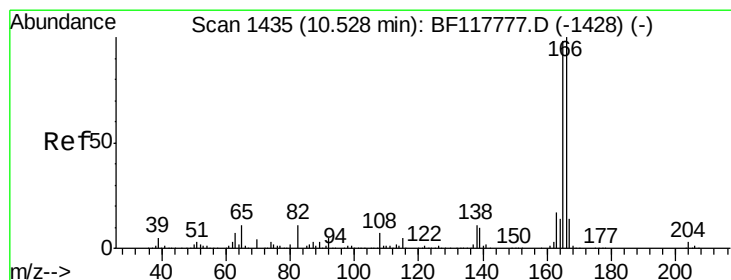
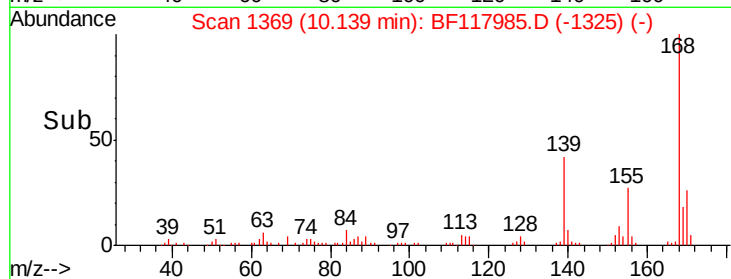
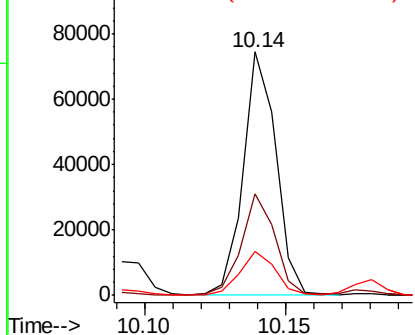
#55
Dibenzenofuran
Concen: 2.296 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.04 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:168 Resp: 60472
Ion Ratio Lower Upper
168 100
139 41.5 33.0 49.6
169 18.3 11.5 17.3#

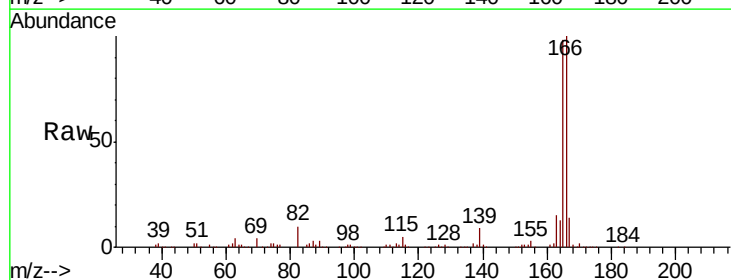


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

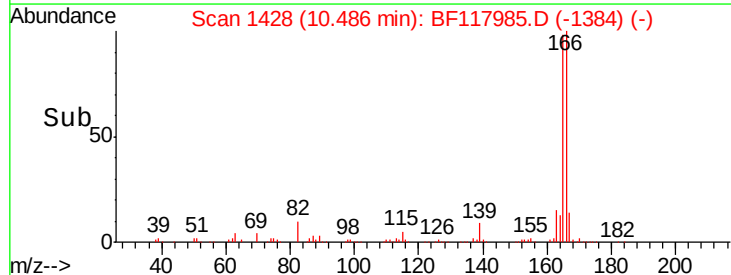
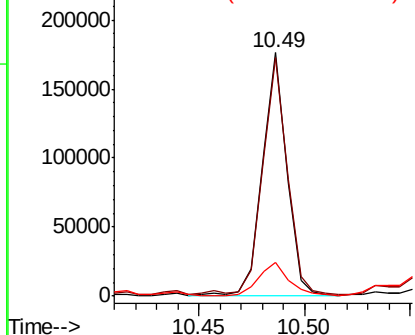


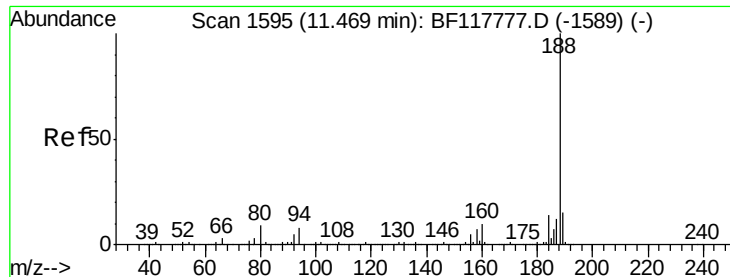
#58
Fluorene
Concen: 6.910 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.04 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion:166 Resp: 141044
Ion Ratio Lower Upper
166 100
165 98.2 78.4 117.6
167 13.6 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

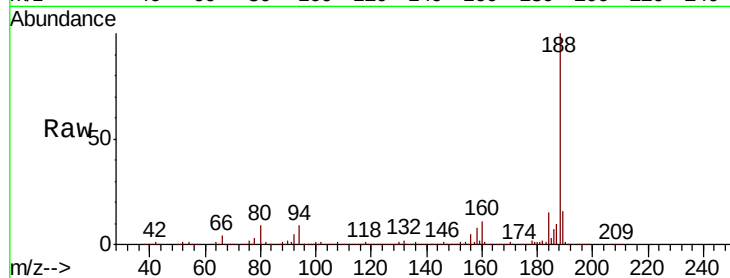




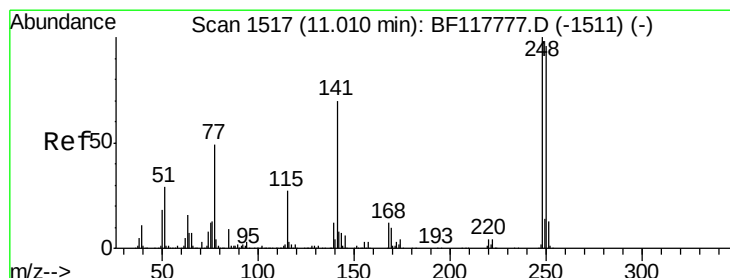
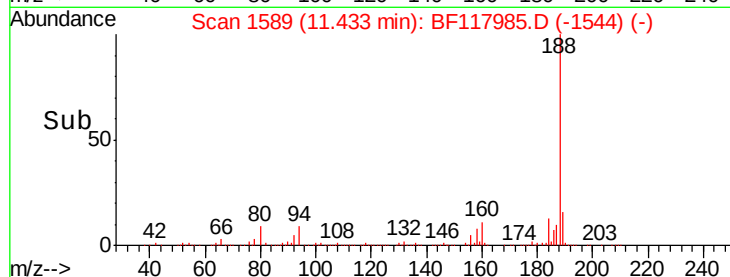
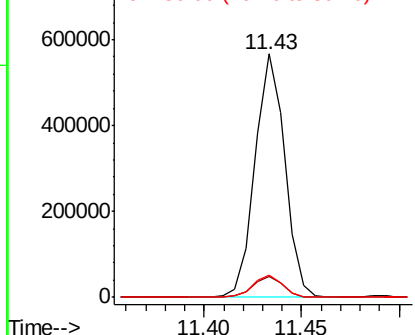
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.04 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 598436
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.4 7.2 10.8

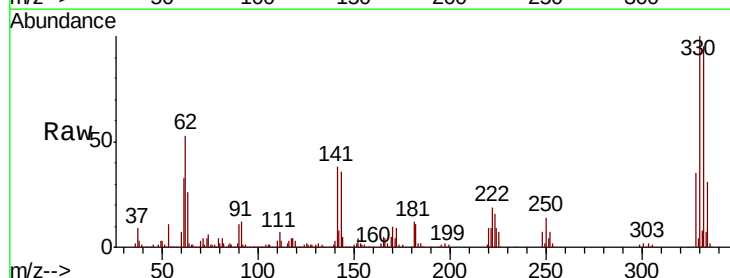


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

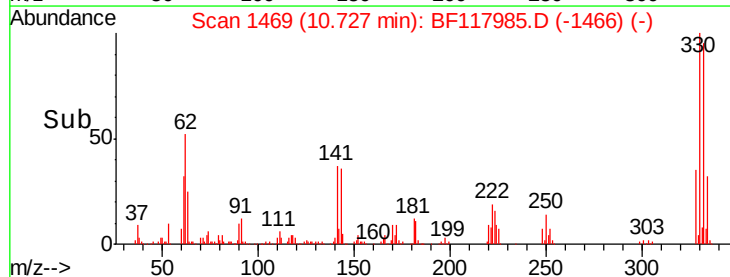
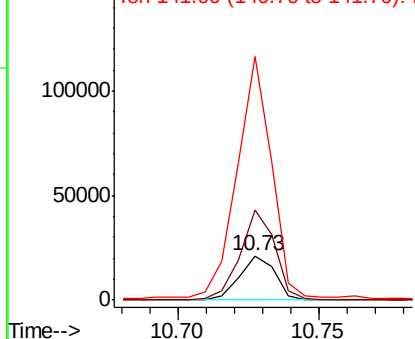


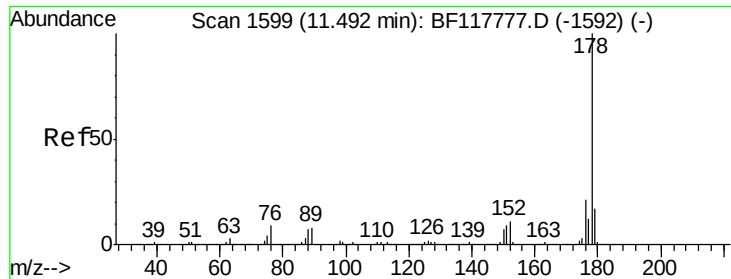
#67
4-Bromophenyl-phenylether
Concen: 2.857 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.28 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion:248 Resp: 18448
Ion Ratio Lower Upper
248 100
250 202.3 76.6 115.0#
141 546.2 55.9 83.9#



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

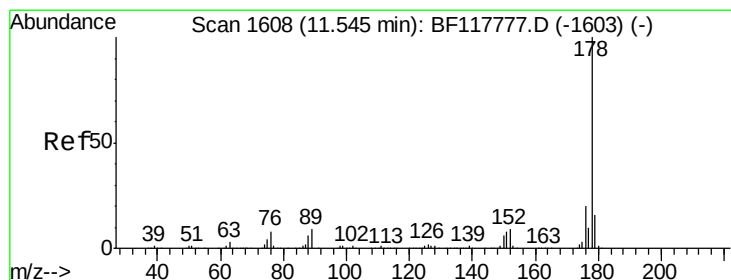
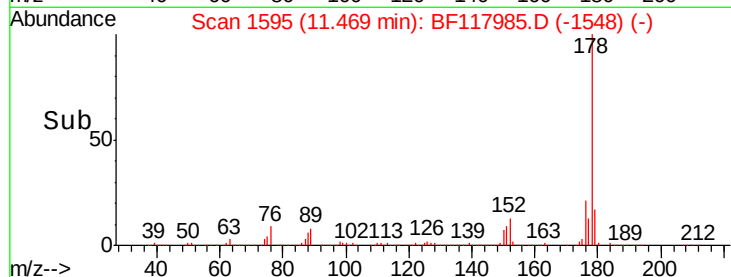
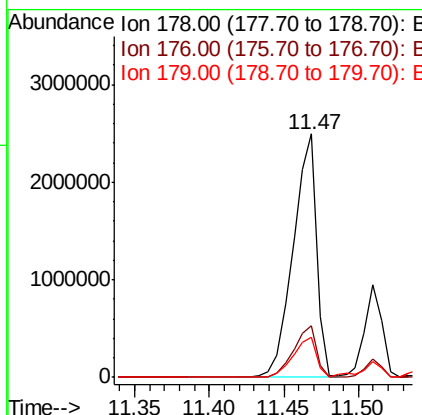
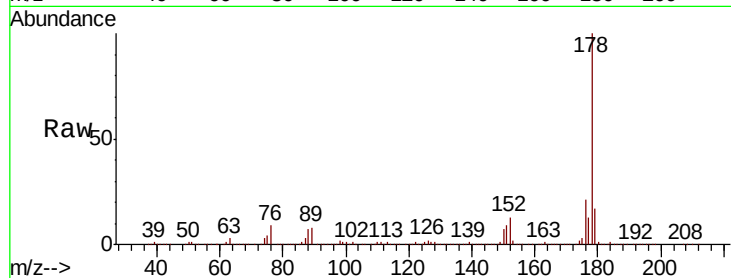




#71
Phenanthrene
Concen: 90.978 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.02 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

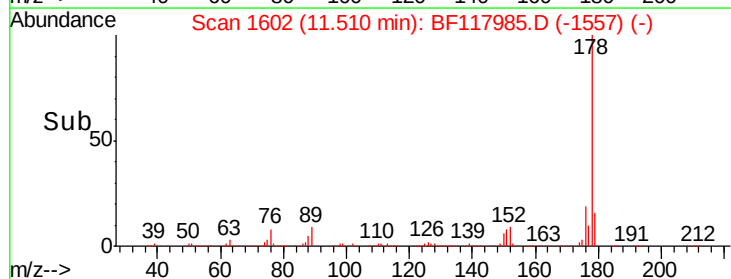
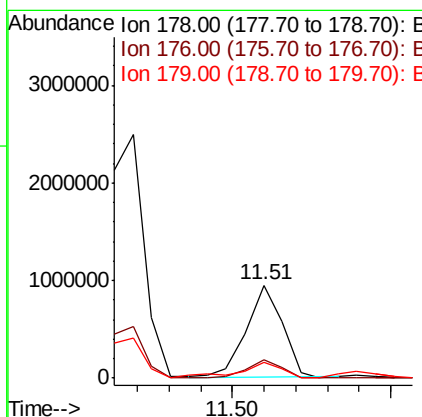
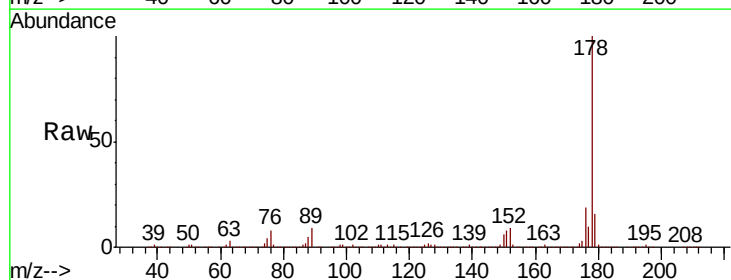
Instrument :
BNA_F
ClientSampleId :

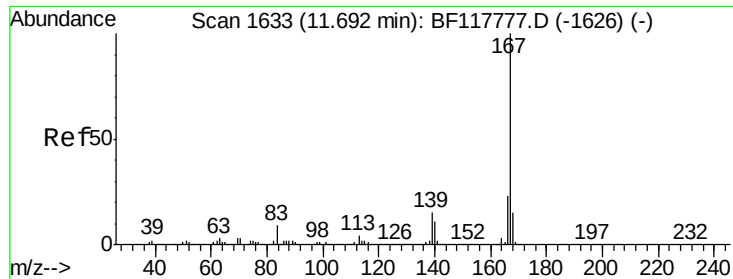
Tot Ion:178 Resp: 2737301
Ion Ratio Lower Upper
178 100
176 21.2 16.6 25.0
179 16.6 13.2 19.8



#72
Anthracene
Concen: 24.519 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.04 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion:178 Resp: 731424
Ion Ratio Lower Upper
178 100
176 19.0 16.1 24.1
179 16.3 13.0 19.4

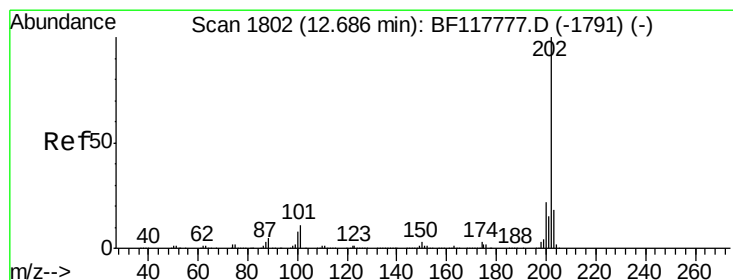
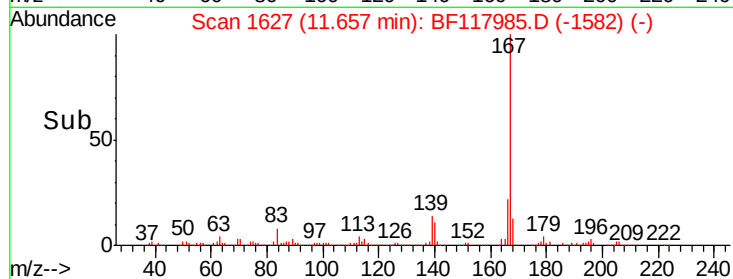
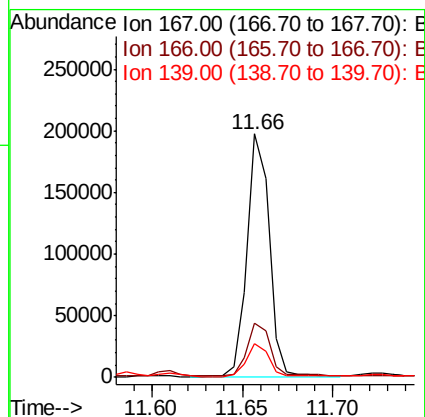
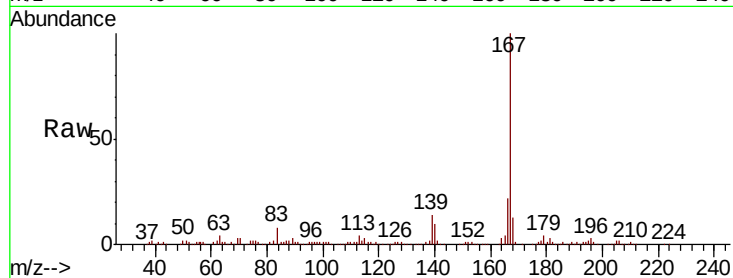




#73
 Carbazole
 Concen: 6.439 ng
 RT: 11.66 min Scan# 1627
 Delta R.T. -0.04 min
 Lab File: BF117985.D
 Acq: 26 Nov 2019 00:17

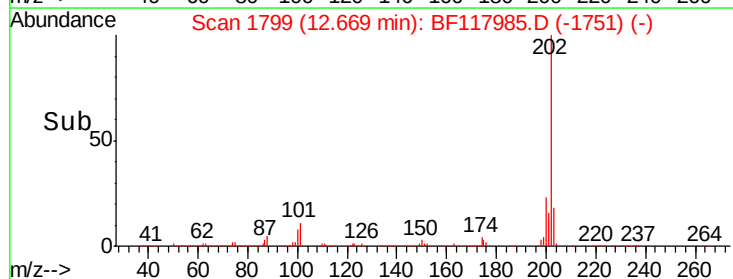
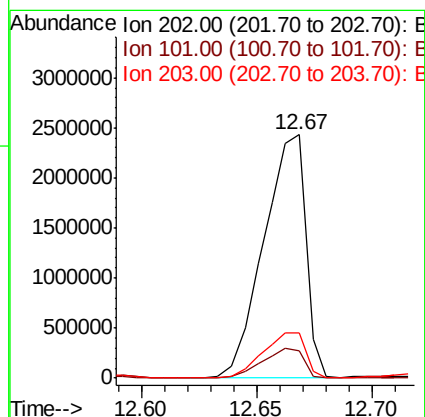
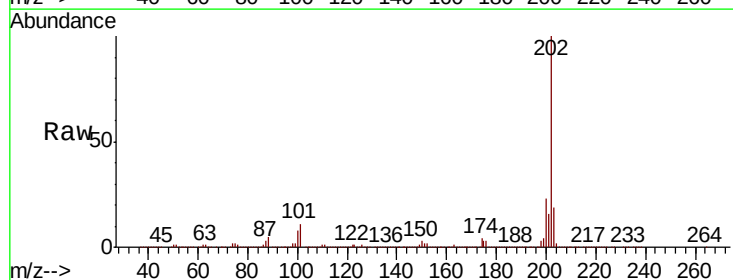
Instrument :
 BNA_F
 ClientSampled :

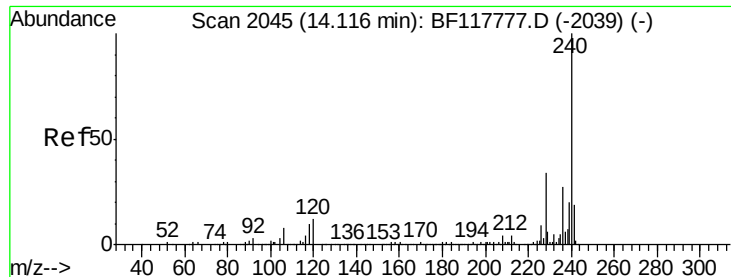
Tot Ion:167 Resp: 167860
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.0 27.0
 139 14.0 11.7 17.5



#75
 Fluoranthene
 Concen: 124.793 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. -0.02 min
 Lab File: BF117985.D
 Acq: 26 Nov 2019 00:17

Tgt Ion:202 Resp: 3053584
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 31.1
 203 18.5 0.0 38.2

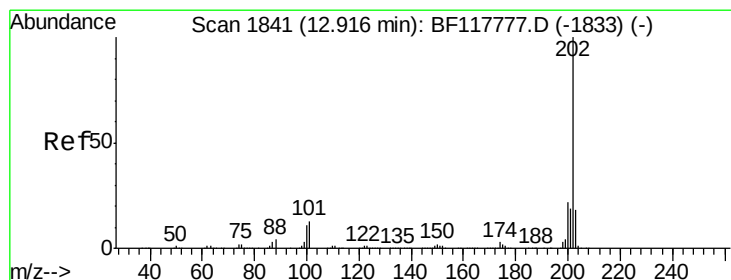
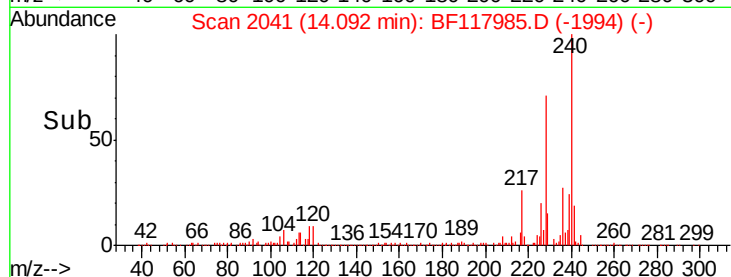
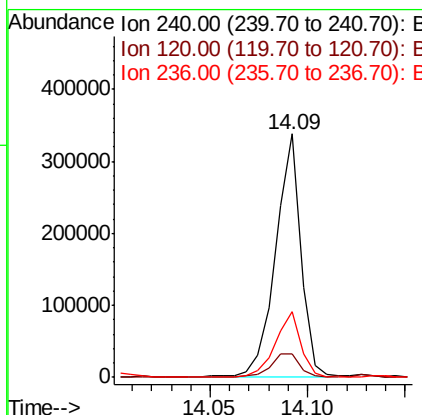
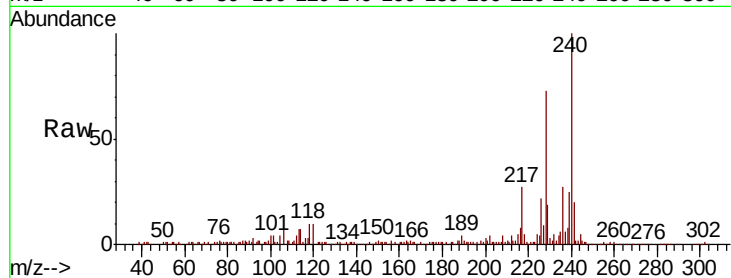




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.02 min
 Lab File: BF117985.D
 Acq: 26 Nov 2019 00:17

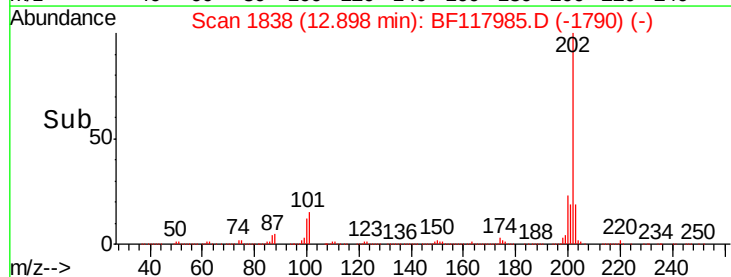
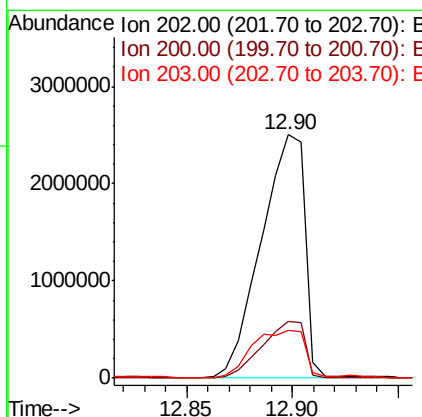
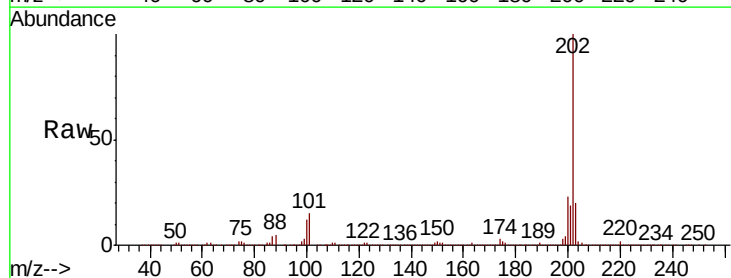
Instrument :
 BNA_F
 ClientSampled :

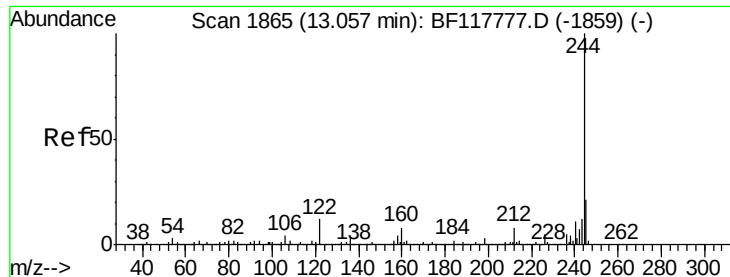
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.5	14.3
236	27.2	21.3	31.9



#78
 Pyrene
 Concen: 146.556 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF117985.D
 Acq: 26 Nov 2019 00:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.4	17.8	26.8
203	19.8	14.6	22.0





#79

Terphenyl-d14

Concen: 60.790 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.04 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

Instrument :

BNA_F

ClientSampleId :

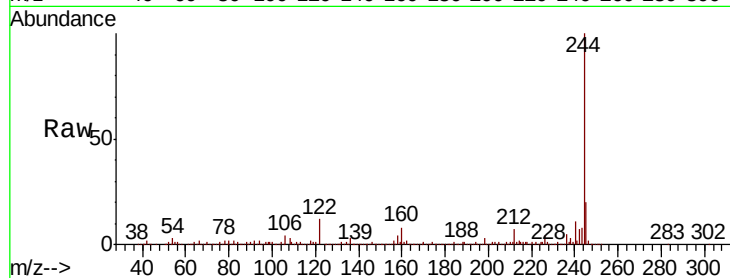
Tot Ion:244 Resp: 1006039

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

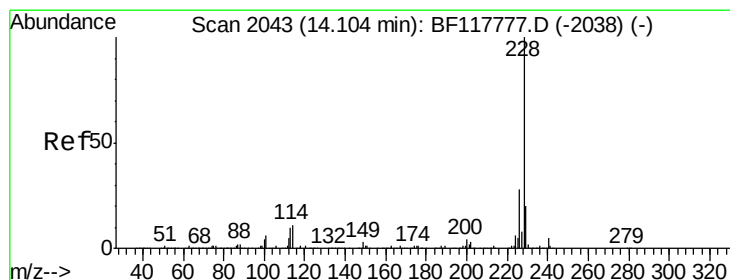
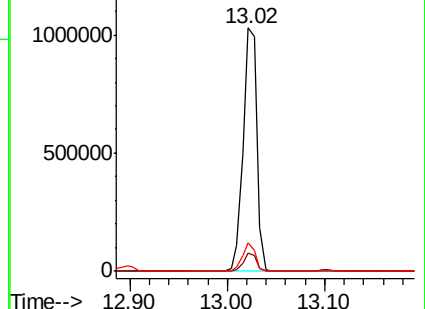
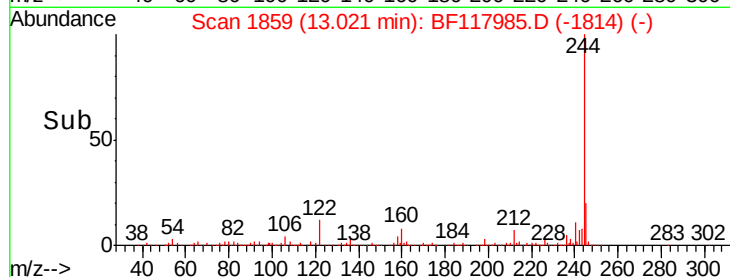
122 11.9 9.4 14.2



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: 81.832 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

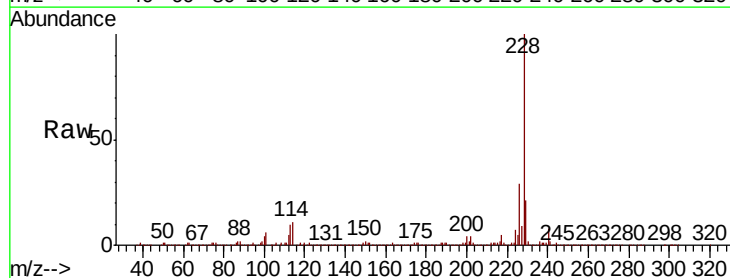
Tgt Ion:228 Resp: 1635561

Ion Ratio Lower Upper

228 100

226 28.5 22.2 33.2

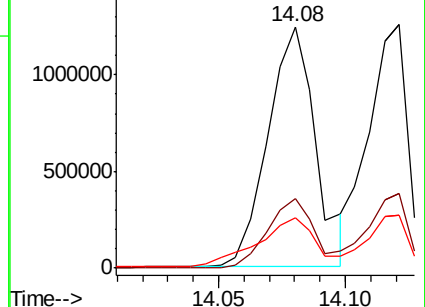
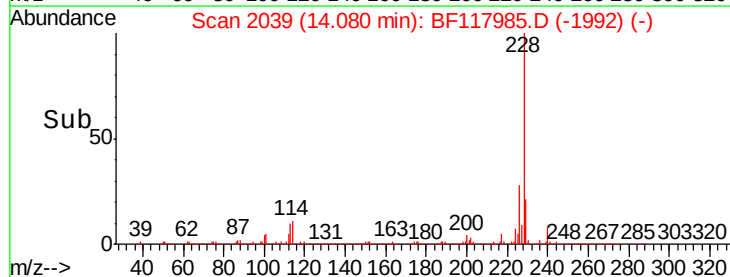
229 21.0 15.9 23.9

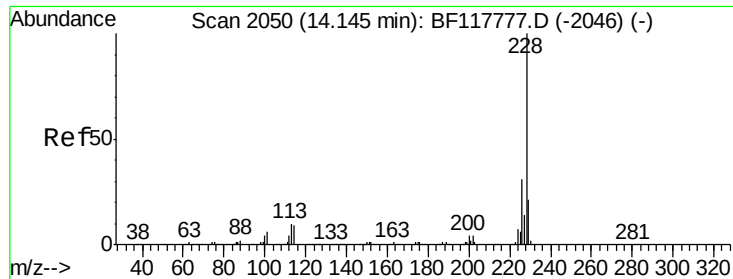


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

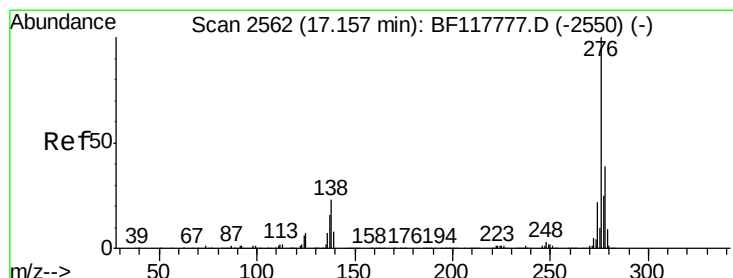
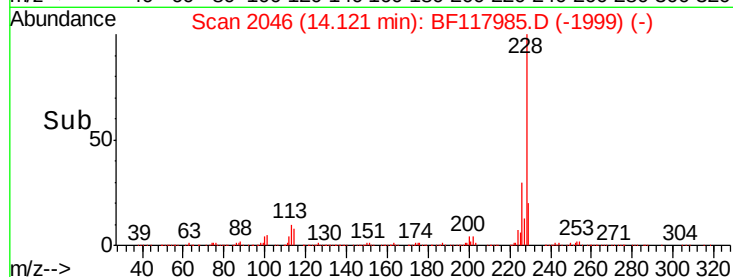
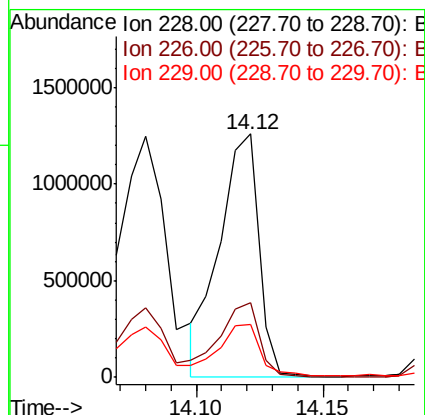
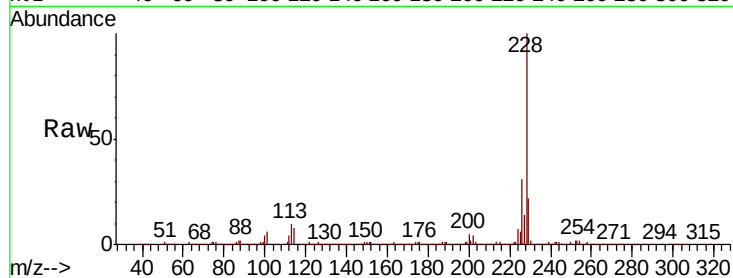




#83
Chrysene
Concen: 69.578 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.02 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

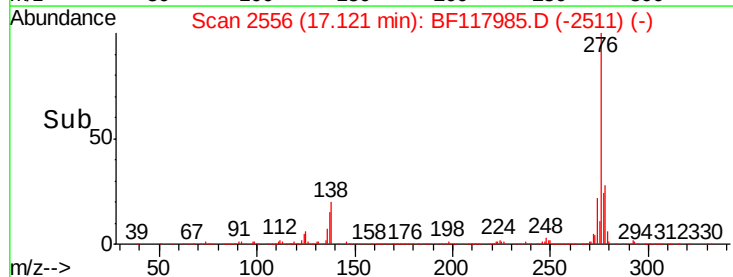
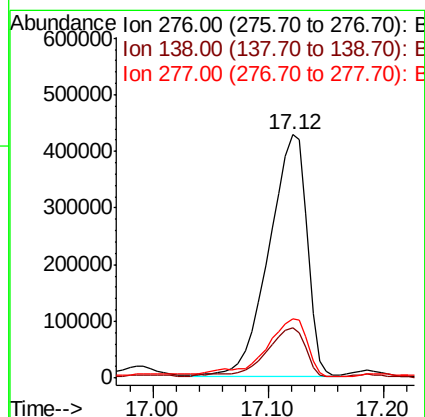
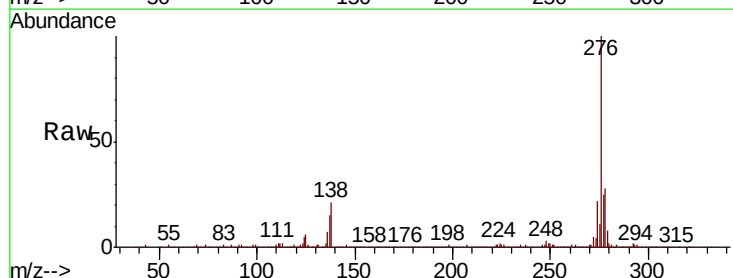
Instrument :
BNA_F
ClientSampleId :

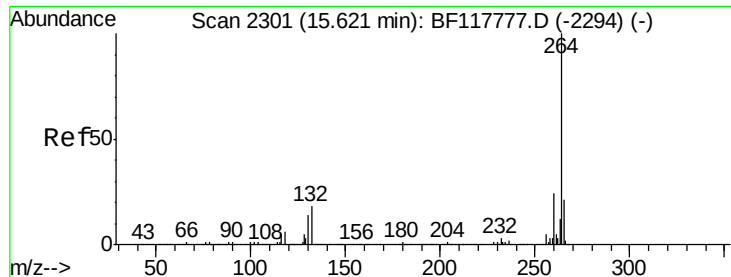
Tot Ion:228 Resp: 1347543
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.4
229 21.6 16.6 25.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 59.300 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.04 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion:276 Resp: 977477
Ion Ratio Lower Upper
276 100
138 21.3 20.9 31.3
277 26.8 20.3 30.5



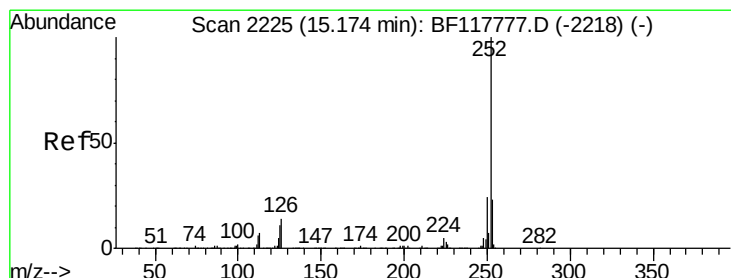
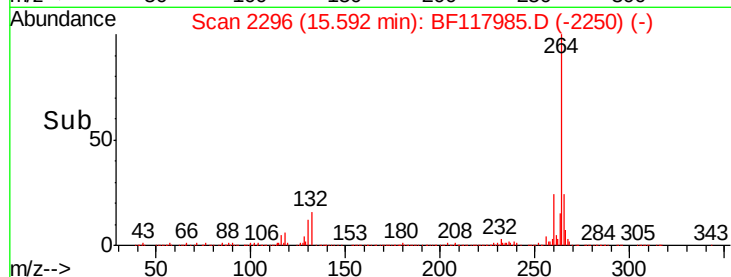
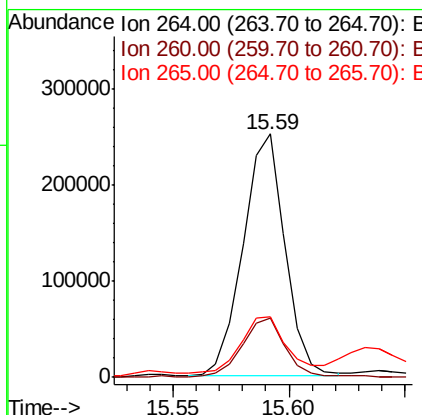
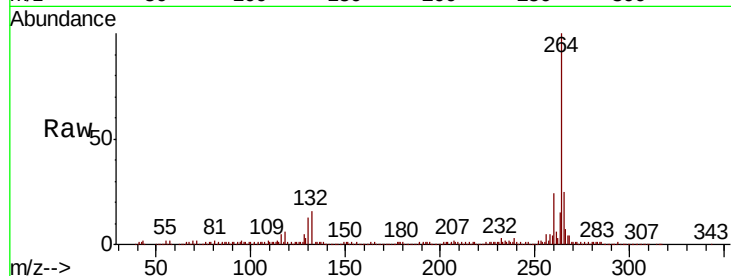


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.03 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 318355

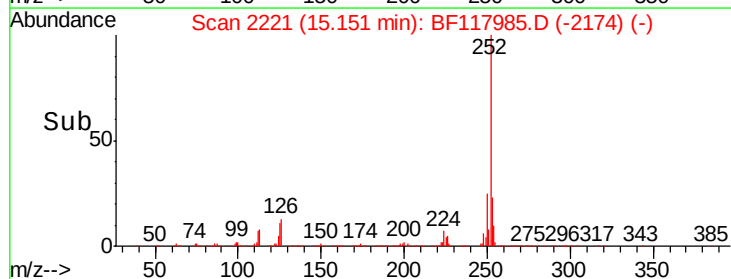
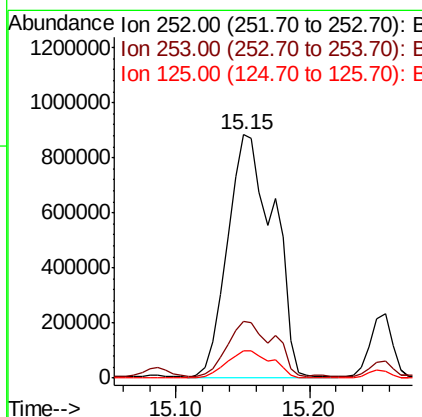
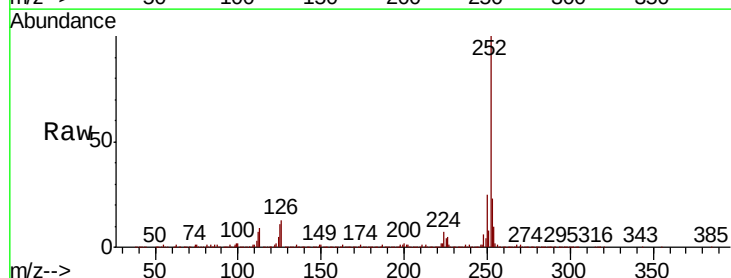
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.0
265	24.7	17.1	25.7

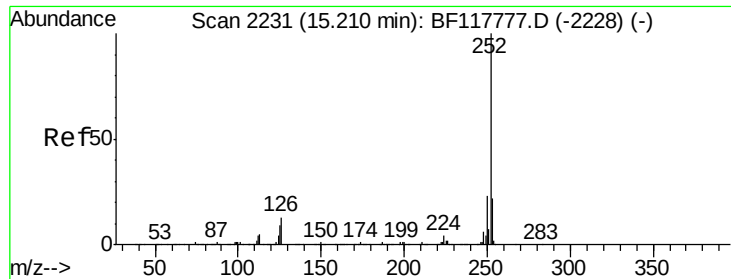


#88
Benzo(b)fluoranthene
Concen: 102.397 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion:252 Resp: 2117949

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	11.3	8.6	13.0

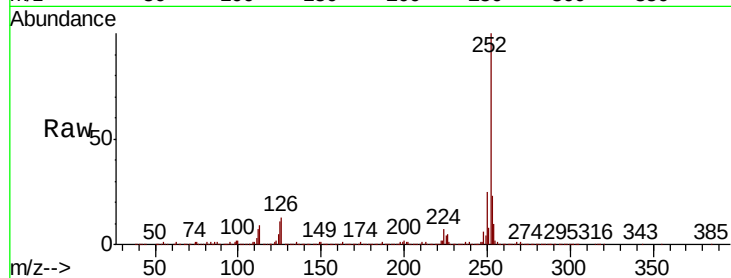




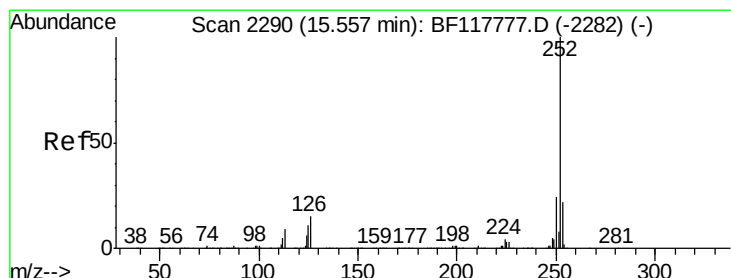
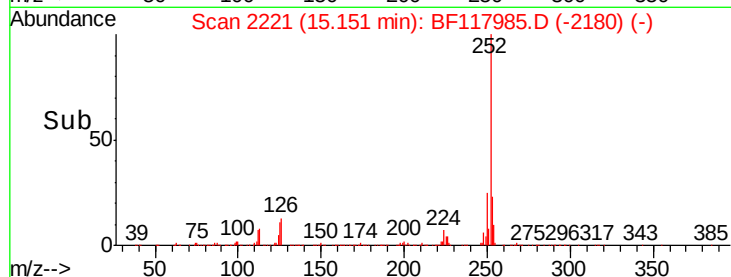
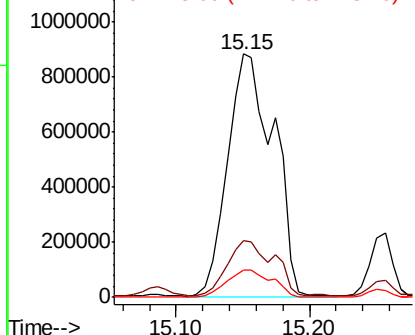
#89
Benzo(k)fluoranthene
Concen: 108.676 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.06 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 2117949
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 11.3 7.9 11.9

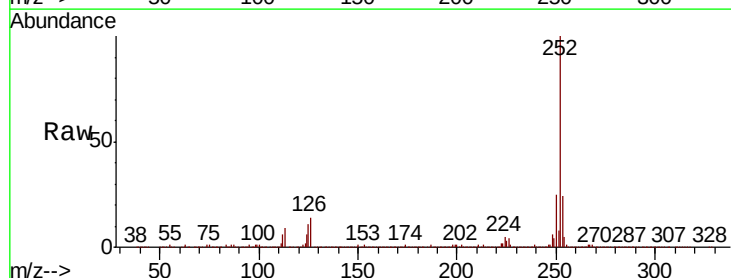


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

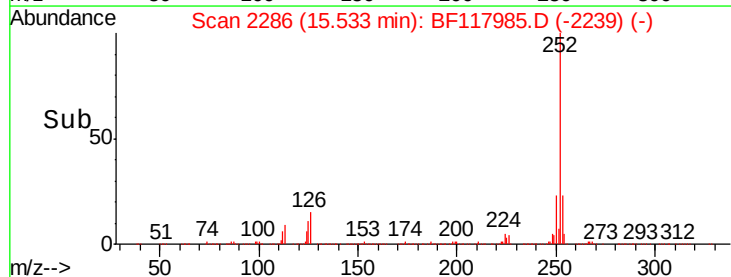
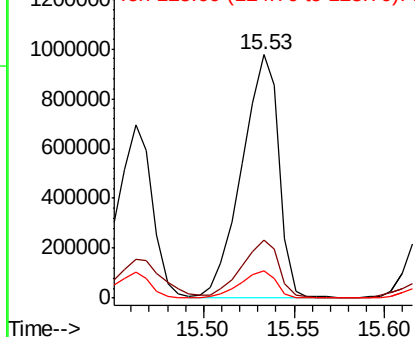


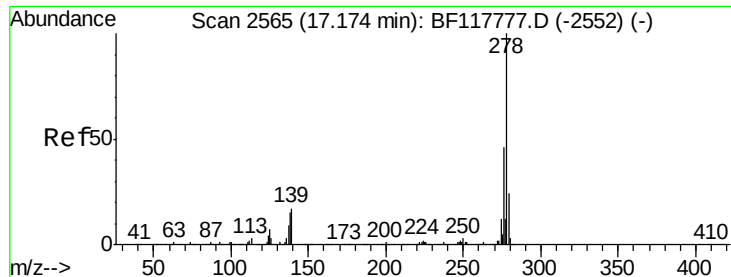
#90
Benzo(a)pyrene
Concen: 75.847 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.02 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion:252 Resp: 1379500
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 11.2 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

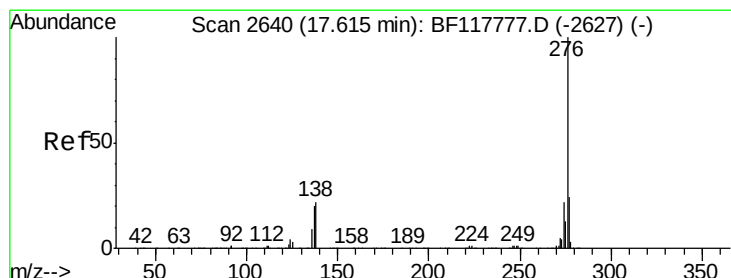
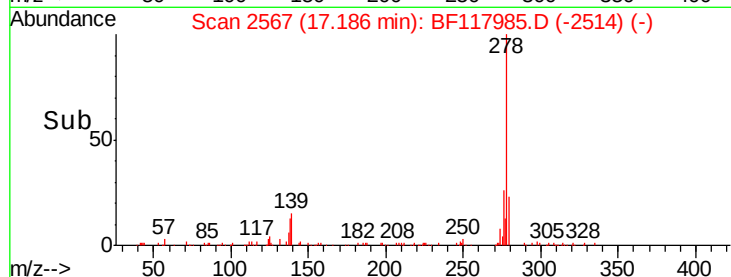
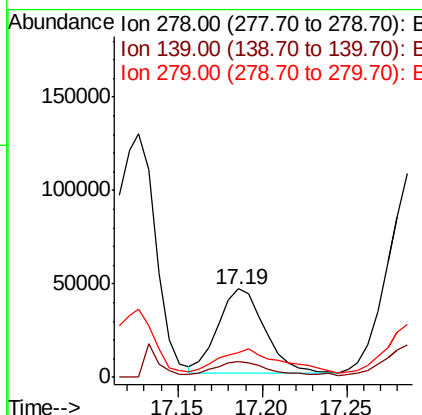
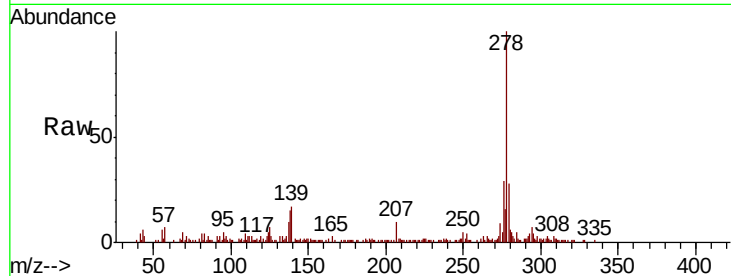




#91
Dibenzo(a,h)anthracene
Concen: 5.511 ng
RT: 17.19 min Scan# 2567
Delta R.T. 0.01 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.8	20.8
279	28.3	19.6	29.4



#92
Benzo(g,h,i)perylene
Concen: 65.314 ng
RT: 17.59 min Scan# 2636
Delta R.T. -0.02 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	20.8	17.4	26.2

