

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
 Data File : BF117994.D
 Acq On : 26 Nov 2019 4:33
 Operator : JU
 Sample : K5999-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 26 06:06:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

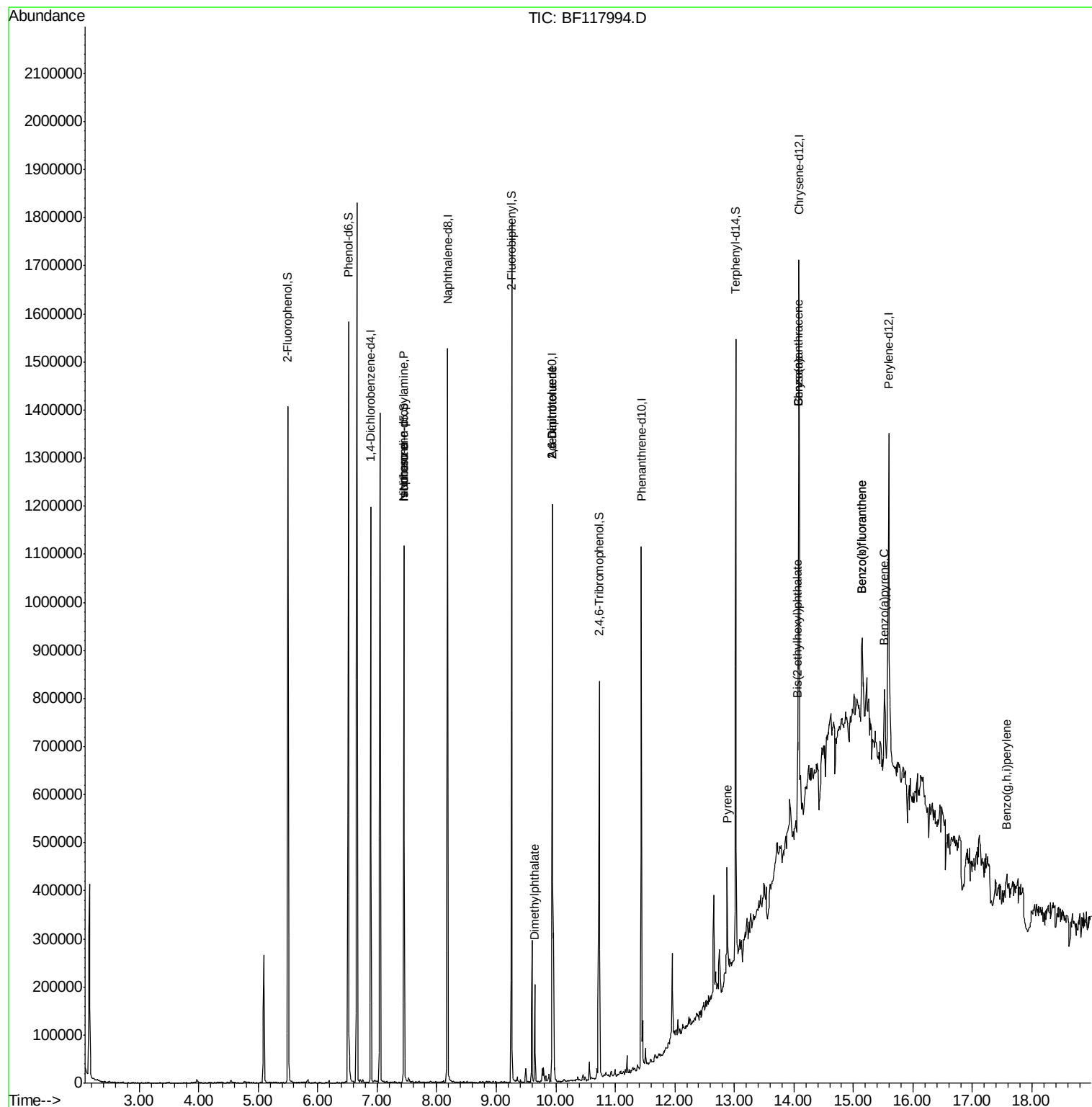
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	165572	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	643446	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	246926	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	381403	20.00	ng	0.00
76) Chrysene-d12	14.09	240	327238	20.00	ng	0.00
87) Perylene-d12	15.59	264	302848	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	407231	43.54	ng	0.00
7) Phenol-d6	6.52	99	532258	47.18	ng	0.00
23) Nitrobenzene-d5	7.45	82	308654	28.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	97625	37.34	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	488114	35.46	ng	0.00
79) Terphenyl-d14	13.02	244	452042	25.25	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	917	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	41292	5.933 ng	#	1
25) Isophorone	7.45	82	306501	15.450 ng	#	73
50) Dimethylphthalate	9.65	163	75383	4.353 ng	#	62
51) 2,6-Dinitrotoluene	9.95	165	31457	8.312 ng	#	98
57) 2,4-Dinitrotoluene	9.95	165	31457	6.535 ng	#	24
75) Fluoranthene	12.65	202	84890	Below Cal		25
78) Pyrene	12.88	202	84369	3.190 ng		99
81) Benzo(a)anthracene	14.07	228	62859	2.907 ng		98
83) Chrysene	14.07	228	62859	3.000 ng		96
84) Bis(2-ethylhexyl)phthalate	14.06	149	46982	3.412 ng		98
88) Benzo(b)fluoranthene	15.14	252	110030	5.592 ng	#	98
89) Benzo(k)fluoranthene	15.14	252	110030	5.935 ng	#	90
90) Benzo(a)pyrene	15.52	252	49975	2.888 ng	#	88
92) Benzo(a,h,i)perylene	17.57	276	29849	2.012 ng	#	87

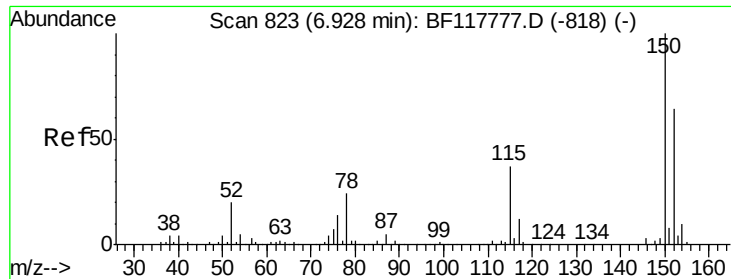
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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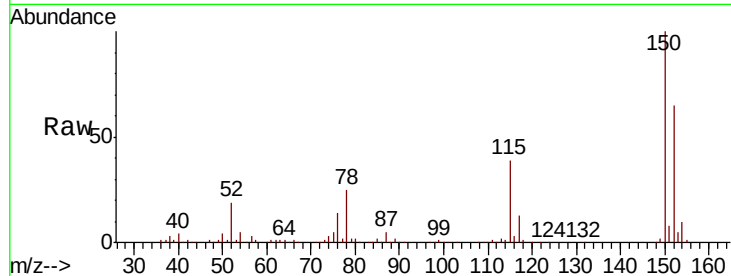


#1

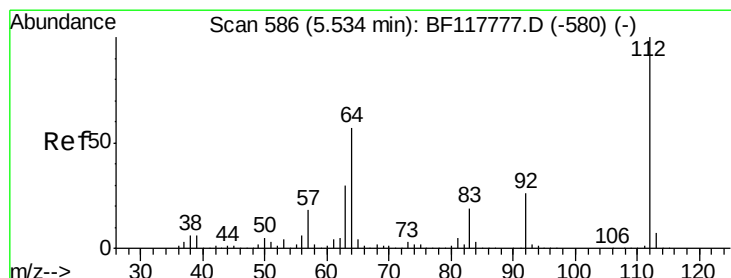
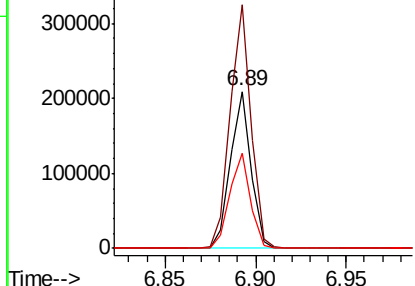
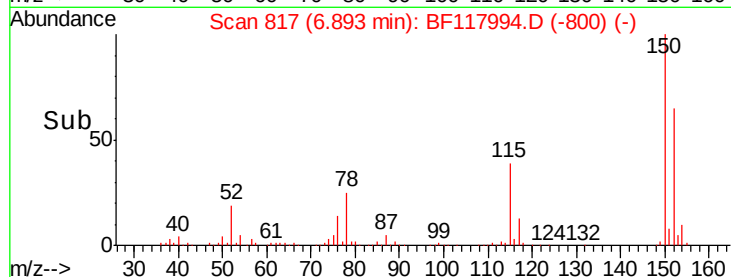
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF117994.D
Acq: 26 Nov 2019 4:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 165572
Ion Ratio Lower Upper
152 100
150 154.9 125.3 187.9
115 60.7 47.0 70.4



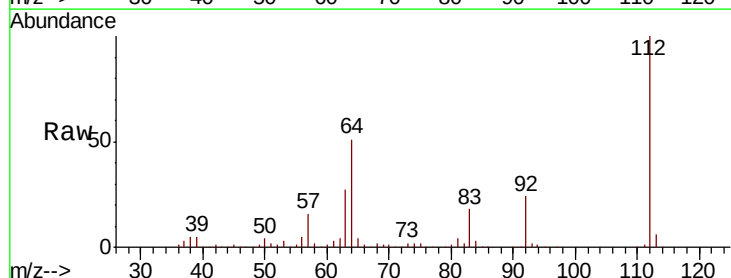
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



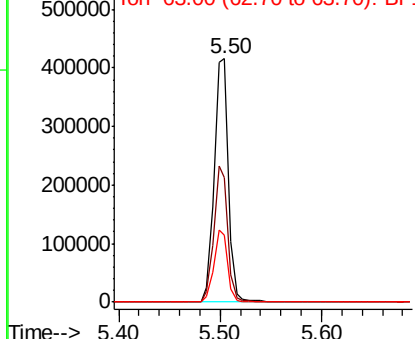
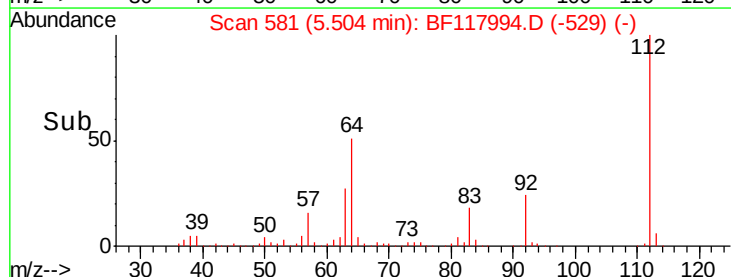
#5

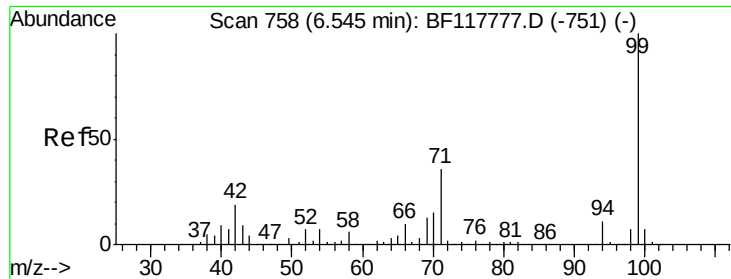
2-Fluorophenol
Concen: 43.536 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF117994.D
Acq: 26 Nov 2019 4:33

Tgt Ion:112 Resp: 407231
Ion Ratio Lower Upper
112 100
64 51.4 45.6 68.4
63 27.4 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: 47.177 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF117994.D

Acq: 26 Nov 2019 4:33

Instrument :

BNA_F

ClientSampleId :

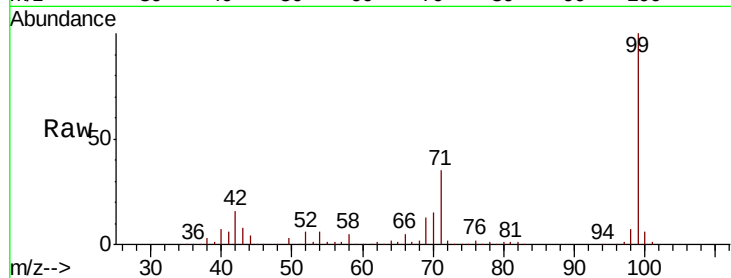
Tot Ion: 99 Resp: 532258

Ion Ratio Lower Upper

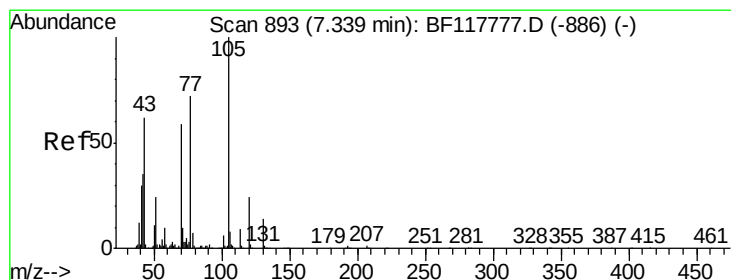
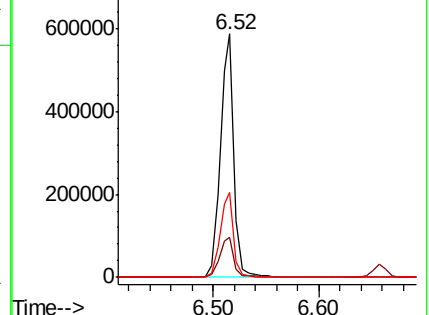
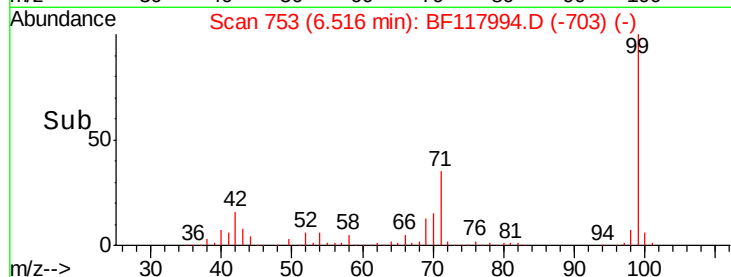
99 100

42 16.4 14.9 22.3

71 34.7 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: 5.933 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF117994.D

Acq: 26 Nov 2019 4:33

Tgt Ion: 70 Resp: 41292

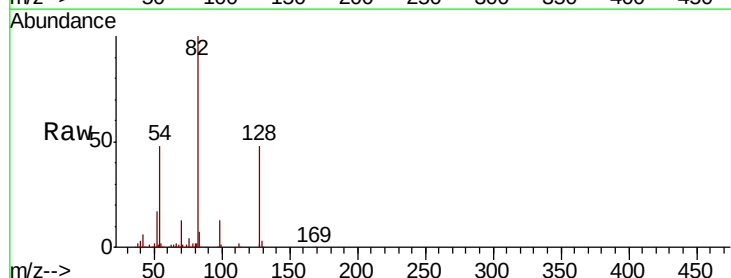
Ion Ratio Lower Upper

70 100

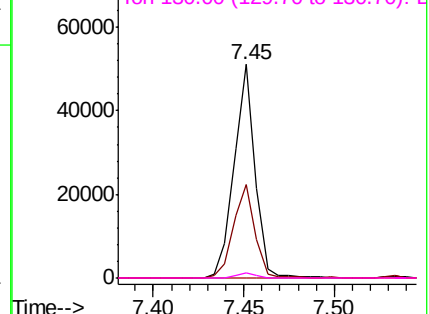
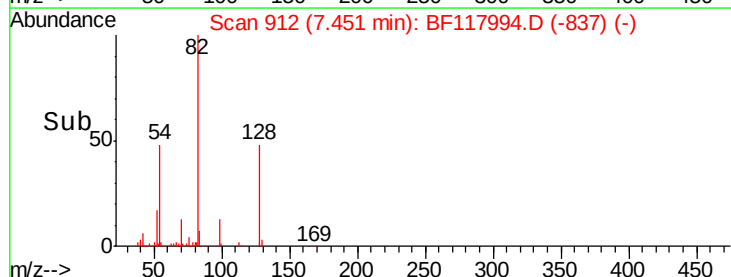
42 43.8 47.4 71.2#

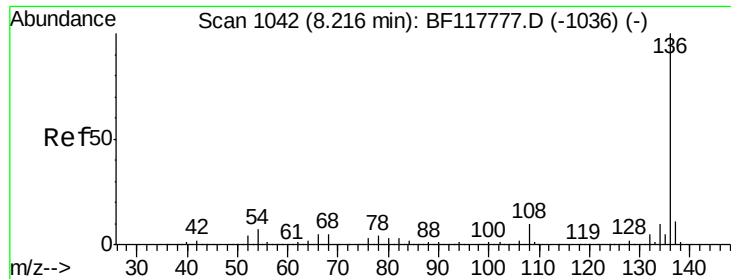
101 0.0 8.4 12.6#

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: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF117994.D

Acq: 26 Nov 2019 4:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 643446

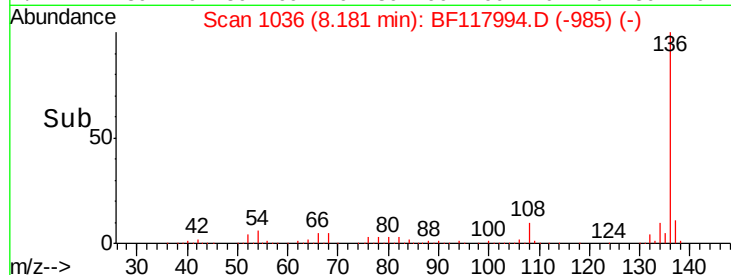
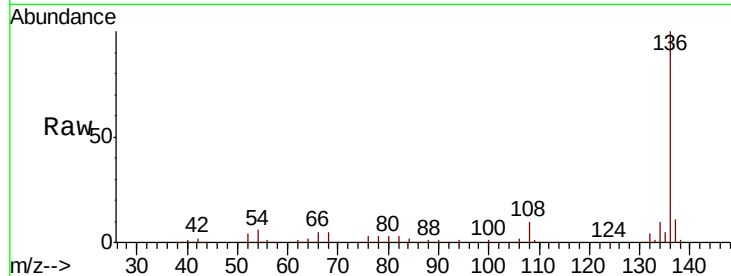
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 6.5 5.4 8.2

68 5.1 4.3 6.5

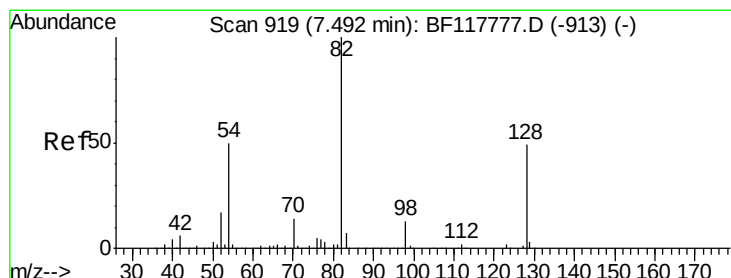
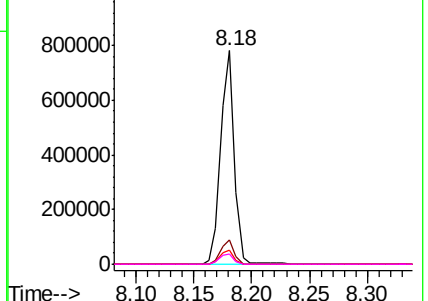


Abundance Ion 136.00 (135.70 to 136.70): E

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: 28.516 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF117994.D

Acq: 26 Nov 2019 4:33

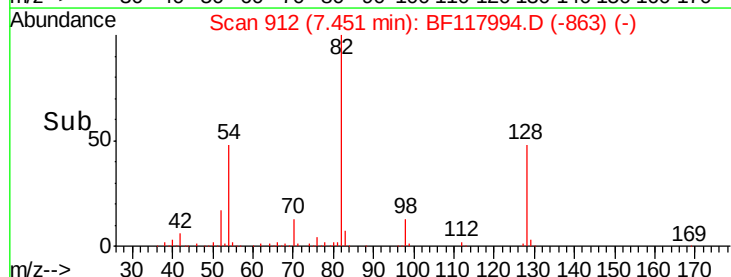
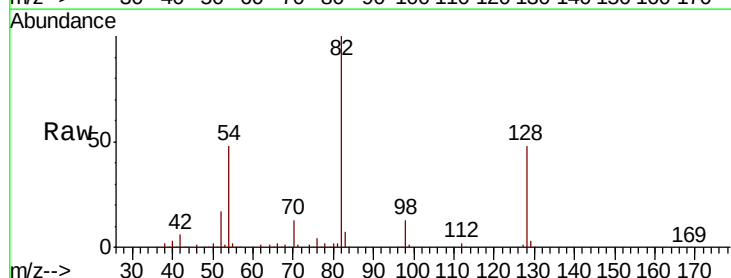
Tgt Ion: 82 Resp: 308654

Ion Ratio Lower Upper

82 100

128 47.5 38.9 58.3

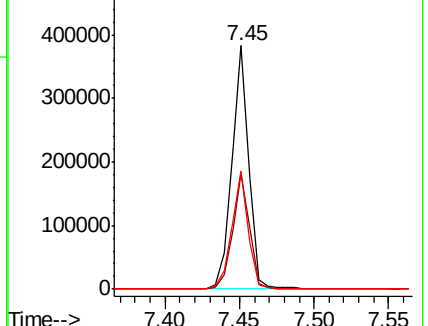
54 48.4 39.8 59.6

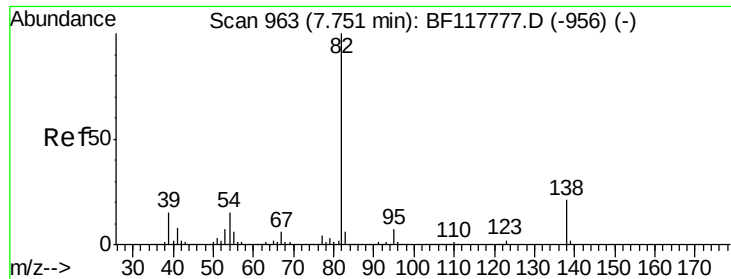


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

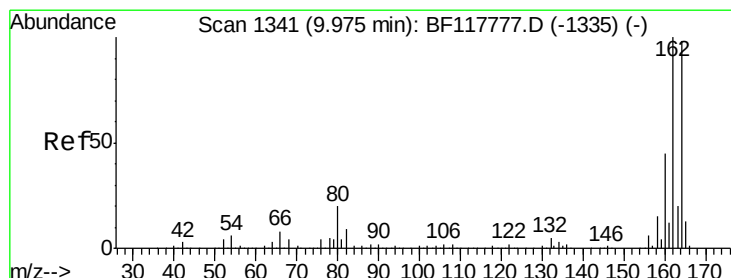
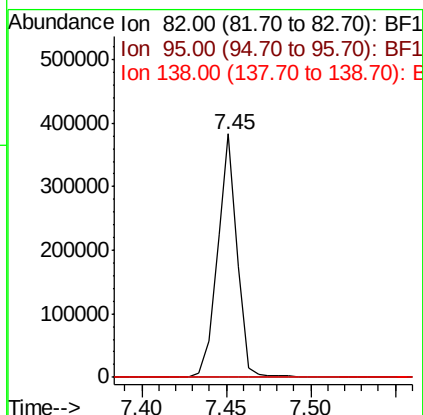
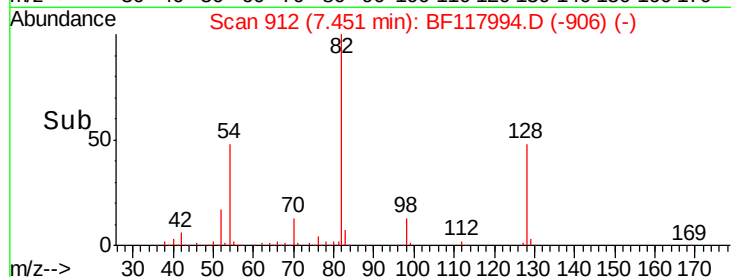
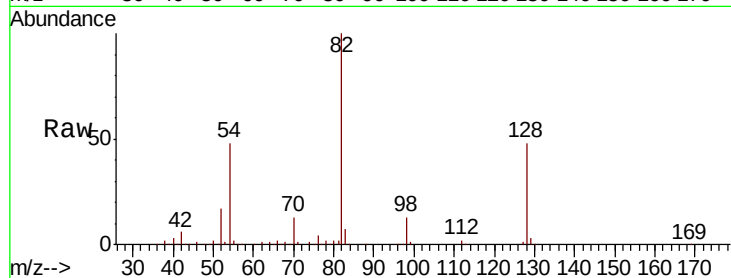




#25
Isophorone
Concen: 15.450 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF117994.D
Acq: 26 Nov 2019 4:33

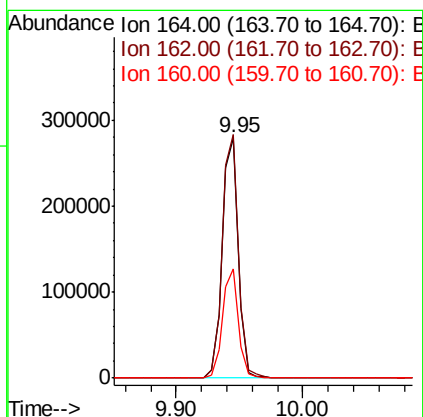
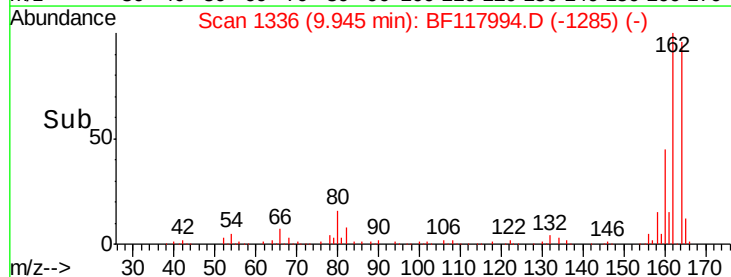
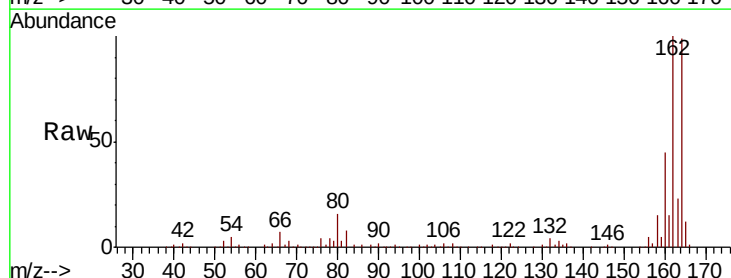
Instrument :
BNA_F
ClientSampleId :

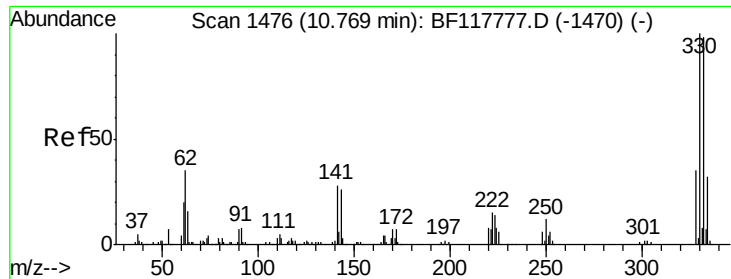
Tot Ion: 82 Resp: 306501
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.5 24.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF117994.D
Acq: 26 Nov 2019 4:33

Tgt Ion: 164 Resp: 246926
Ion Ratio Lower Upper
164 100
162 101.5 81.3 121.9
160 45.5 36.6 55.0





#42

2,4,6-Tribromophenol

Concen: 37.344 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BF117994.D

Acq: 26 Nov 2019 4:33

Instrument :

BNA_F

ClientSampleId :

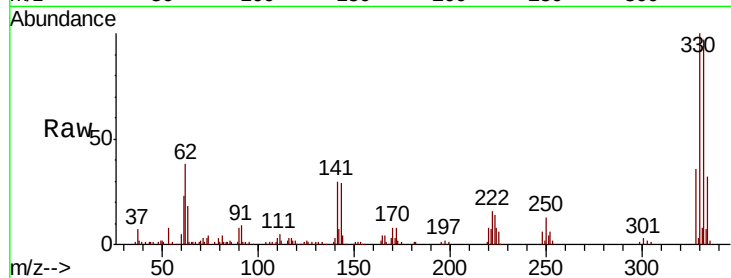
Tot Ion:330 Resp: 97625

Ion Ratio Lower Upper

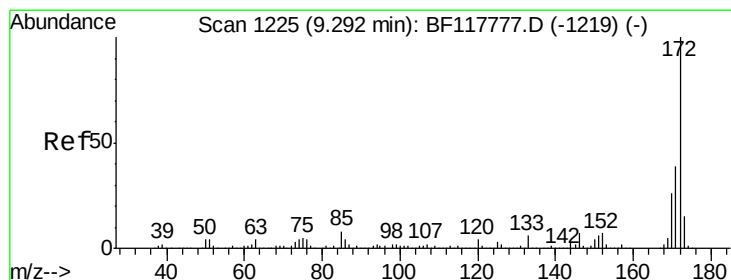
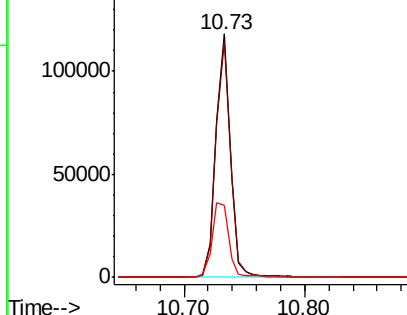
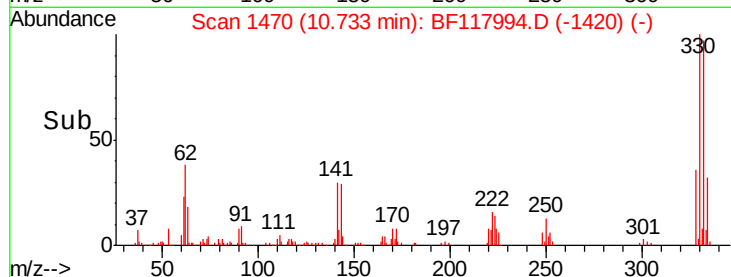
330 100

332 97.8 76.7 115.1

141 35.0 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: 35.464 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF117994.D

Acq: 26 Nov 2019 4:33

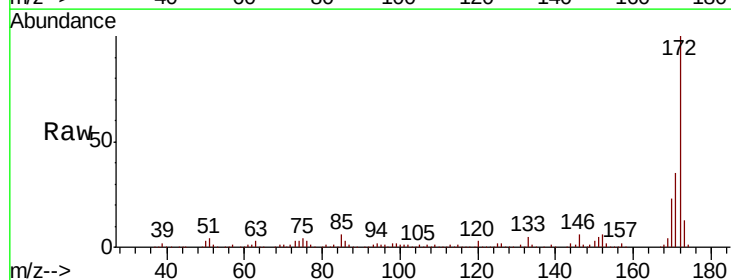
Tgt Ion:172 Resp: 488114

Ion Ratio Lower Upper

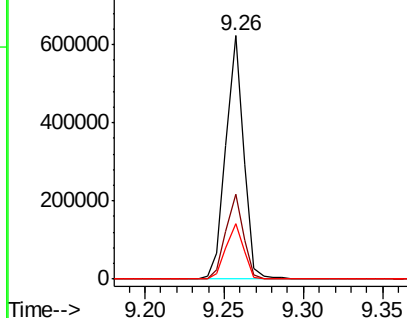
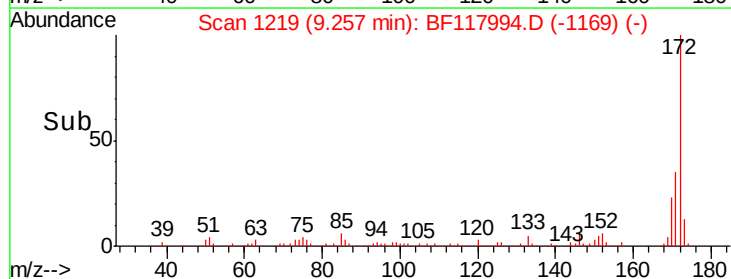
172 100

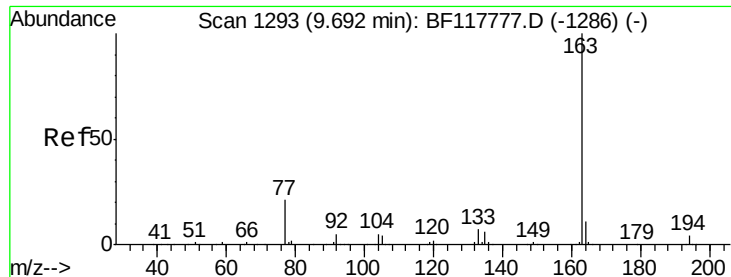
171 35.1 30.9 46.3

170 22.8 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

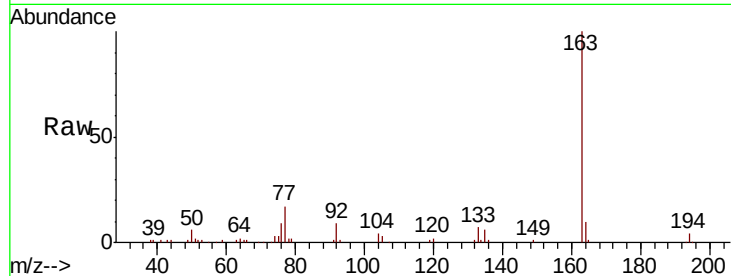




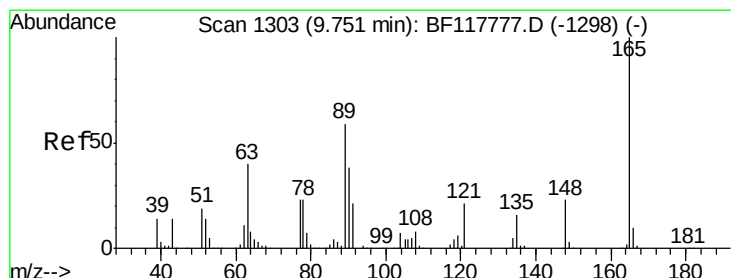
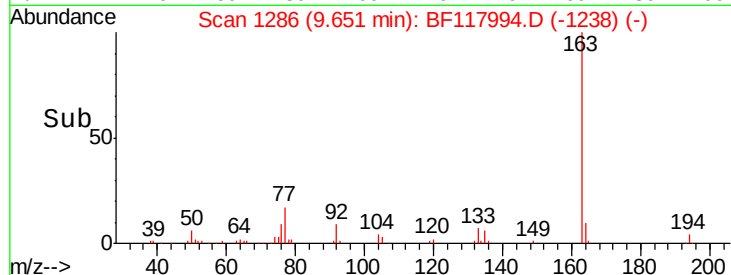
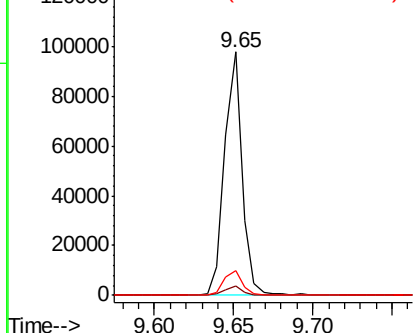
#50
Dimethylphthalate
Concen: 4.353 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BF117994.D
Acq: 26 Nov 2019 4:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.1	8.7	13.1

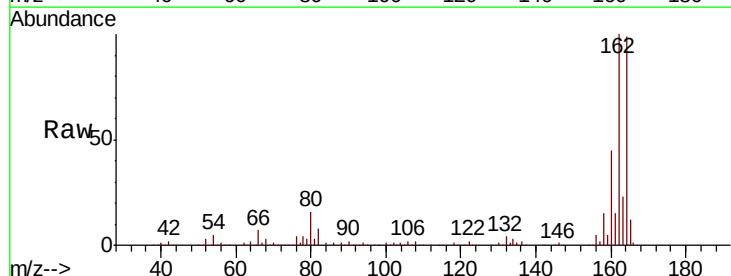


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

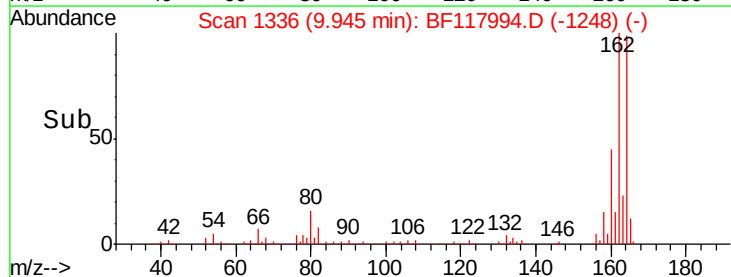
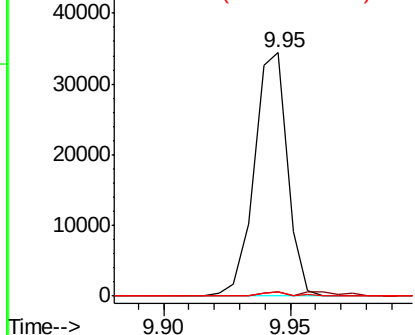


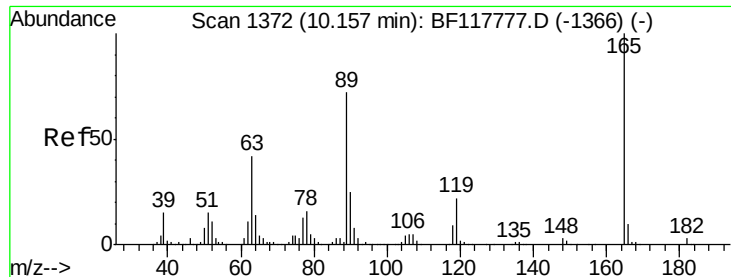
#51
2,6-Dinitrotoluene
Concen: 8.312 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.22 min
Lab File: BF117994.D
Acq: 26 Nov 2019 4:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	46.0	69.0#
89	1.7	47.7	71.5#



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

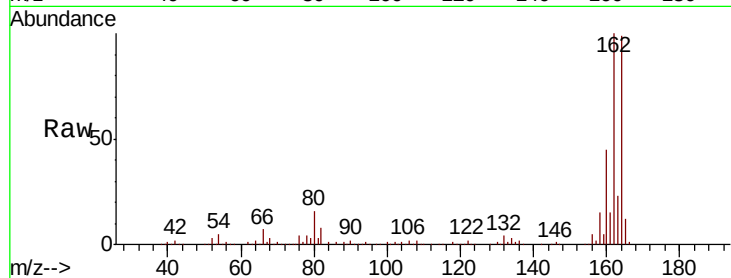




#57
 2,4-Dinitrotoluene
 Concen: 6.535 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.19 min
 Lab File: BF117994.D
 Acq: 26 Nov 2019 4:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	33.7	50.5#
89	1.7	57.3	85.9#
182	0.0	2.3	3.5#



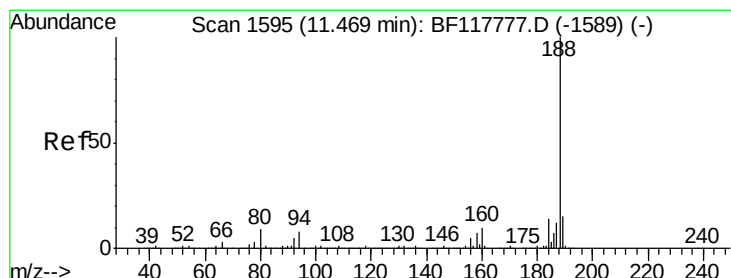
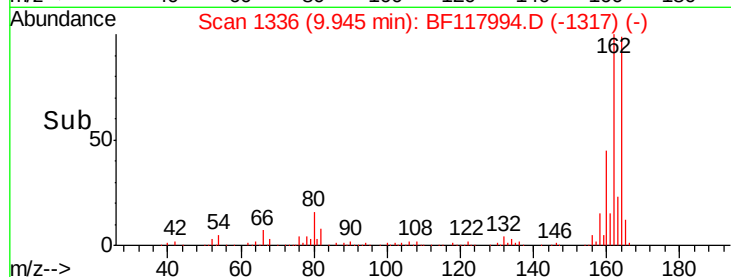
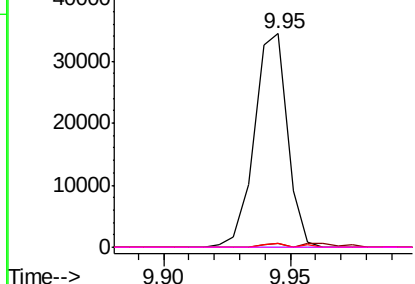
Abundance

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: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF117994.D
 Acq: 26 Nov 2019 4:33

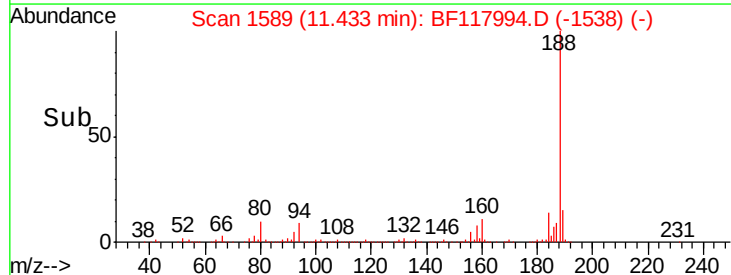
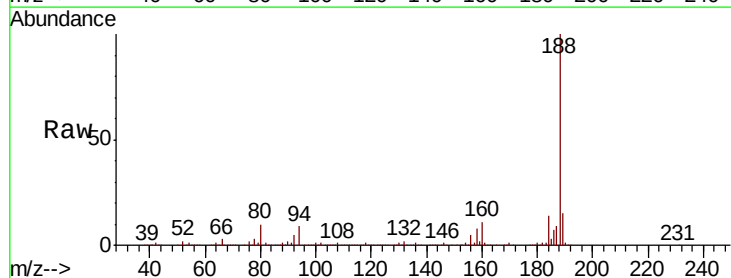
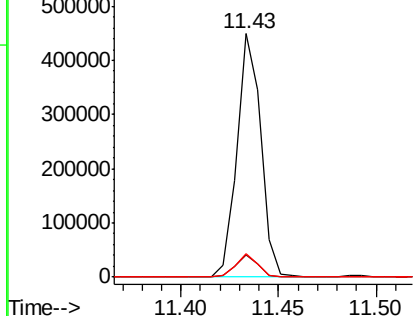
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.8	7.2	10.8

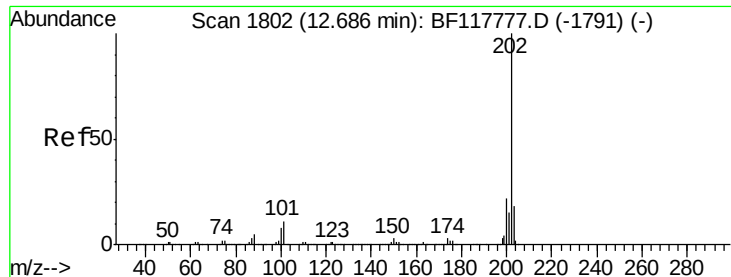
Abundance

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





#75

Fluoranthene

Concen: Below Cal

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF117994.D

Acq: 26 Nov 2019 4:33

Instrument :

BNA_F

ClientSampled :

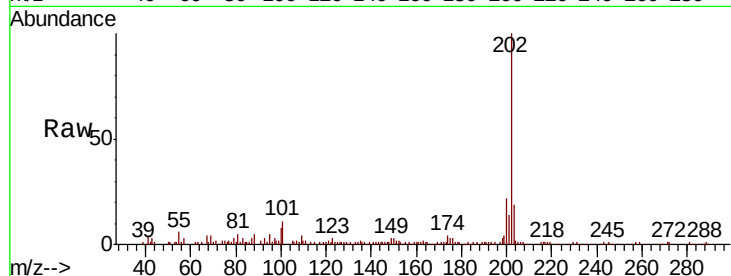
Tot Ion:202 Resp: 84890

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.1

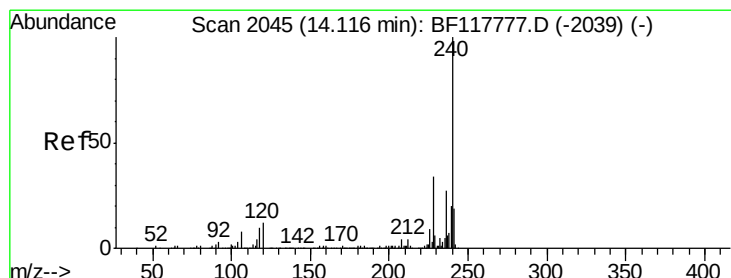
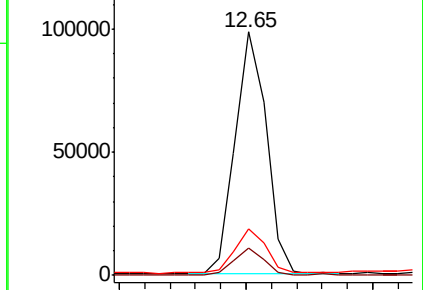
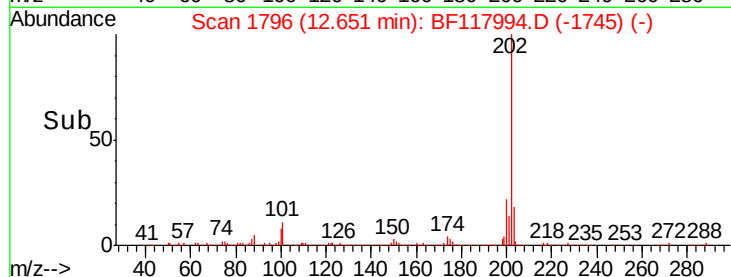
203 19.0 0.0 38.2



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: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF117994.D

Acq: 26 Nov 2019 4:33

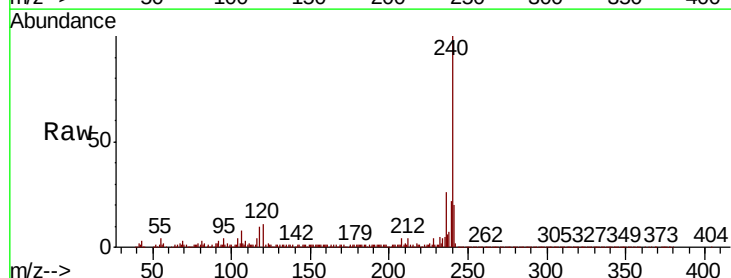
Tgt Ion:240 Resp: 327238

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

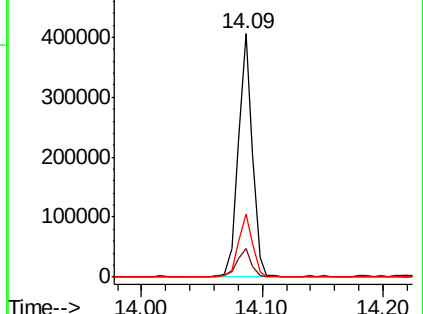
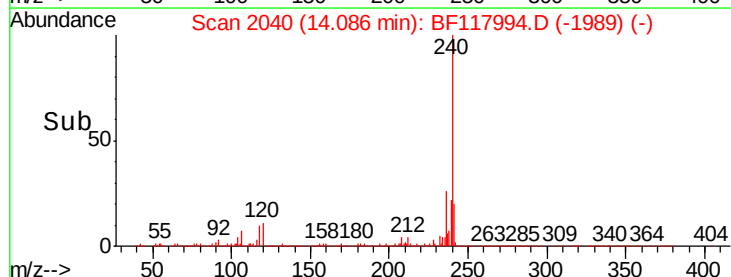
236 25.9 21.3 31.9

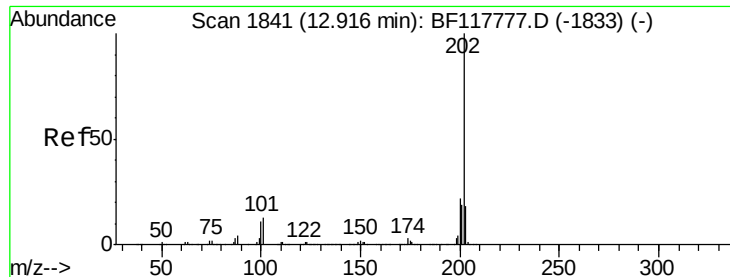


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

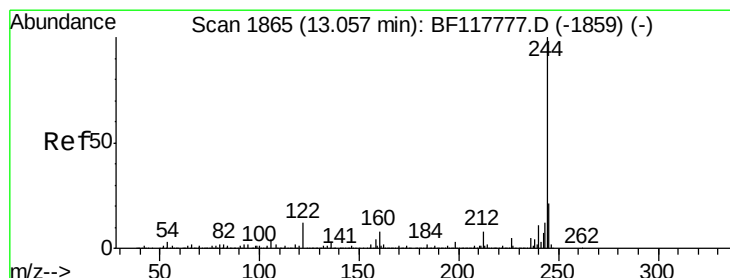
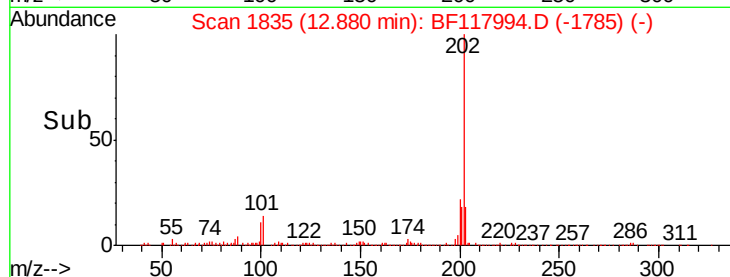
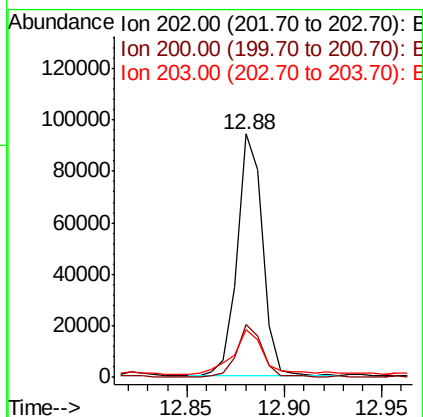
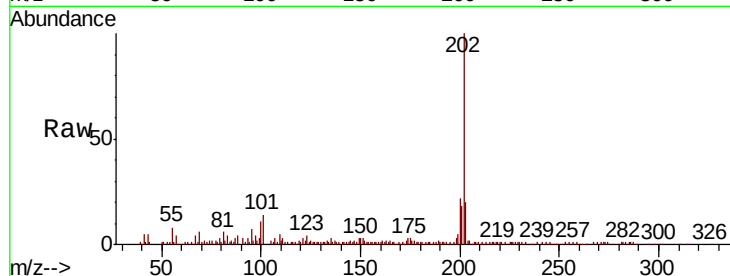




#78
Pvrene
Concen: 3.190 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF117994.D
Acq: 26 Nov 2019 4:33

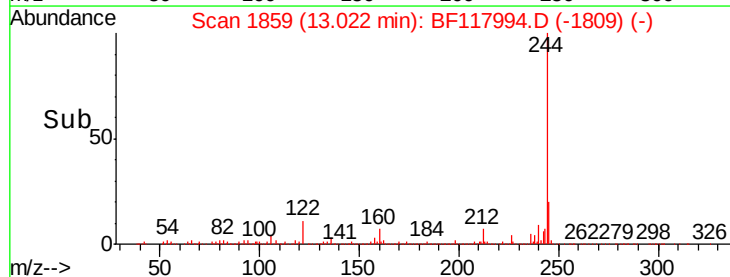
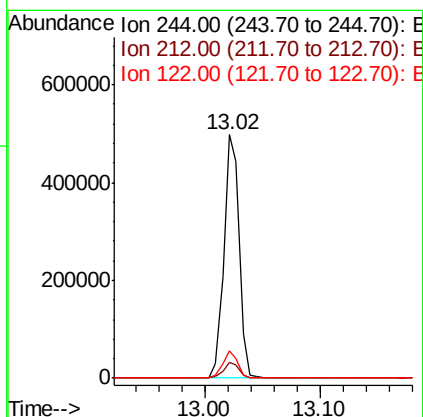
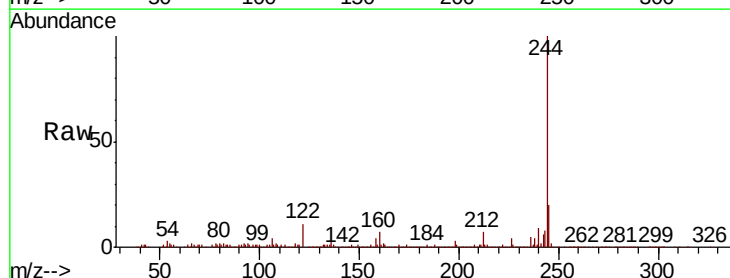
Instrument :
BNA_F
ClientSampleId :

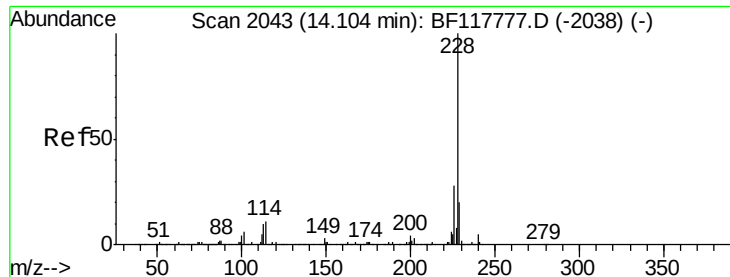
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.8	26.8
203	19.5	14.6	22.0



#79
Terphenyl-d14
Concen: 25.246 ng
RT: 13.02 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BF117994.D
Acq: 26 Nov 2019 4:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.3	9.5
122	11.4	9.4	14.2

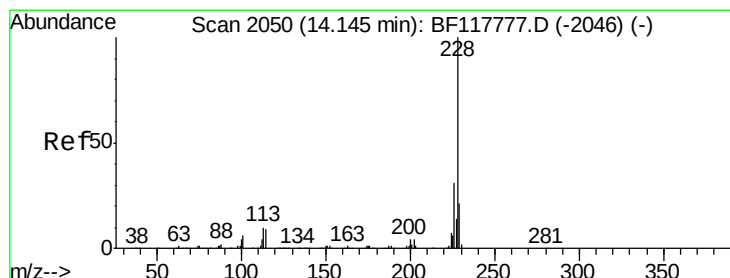
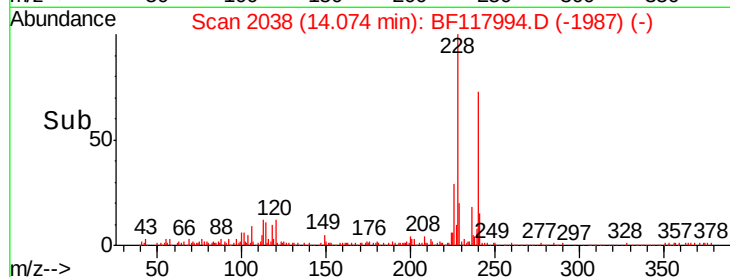
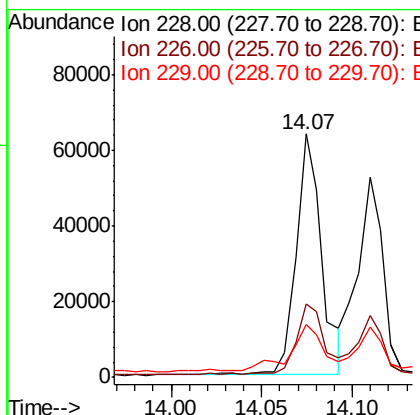
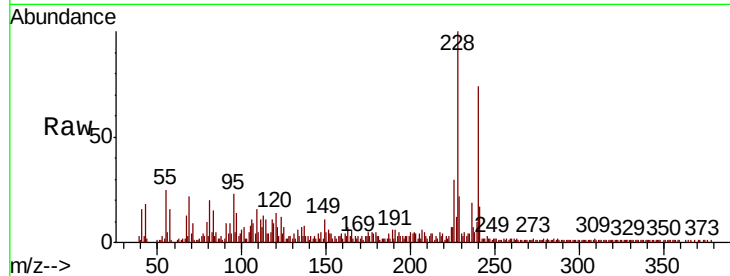




#81
Benzo(a)anthracene
Concen: 2.907 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF117994.D
Acq: 26 Nov 2019 4:33

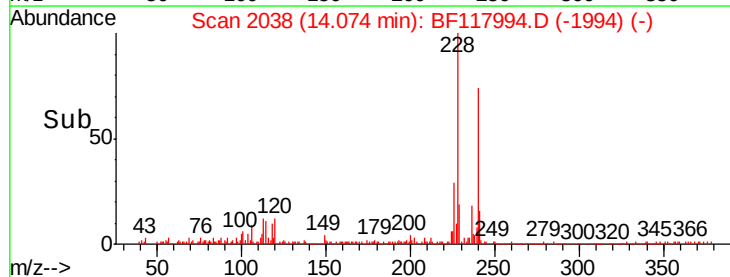
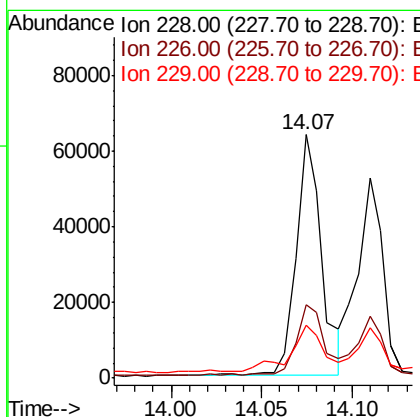
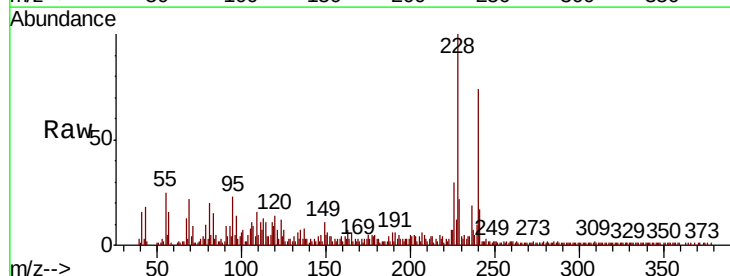
Instrument :
BNA_F
ClientSampleId :

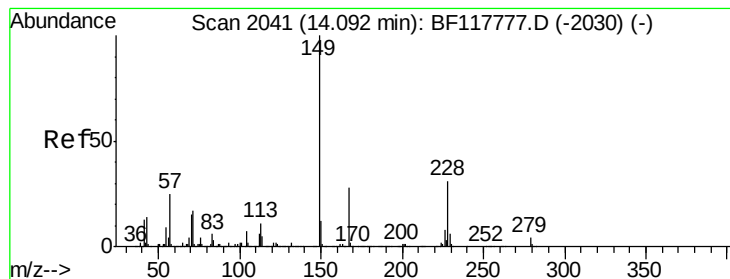
Tot Ion:228 Resp: 62859
Ion Ratio Lower Upper
228 100
226 29.9 22.2 33.2
229 21.7 15.9 23.9



#83
Chrysene
Concen: 3.000 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.04 min
Lab File: BF117994.D
Acq: 26 Nov 2019 4:33

Tgt Ion:228 Resp: 62859
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.4
229 21.7 16.6 25.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.412 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF117994.D

Acq: 26 Nov 2019 4:33

Instrument :

BNA_F

ClientSampleId :

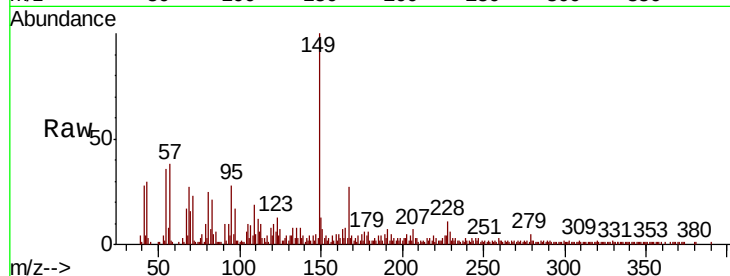
Tot Ion:149 Resp: 46982

Ion Ratio Lower Upper

149 100

167 26.8 22.2 33.2

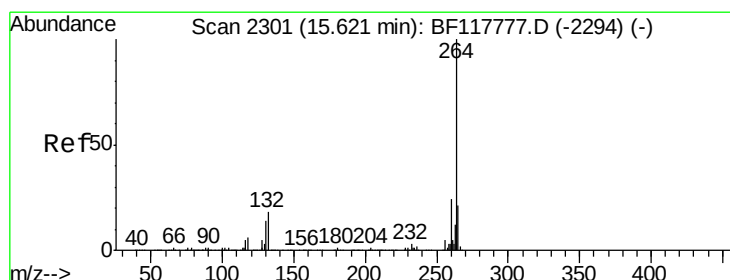
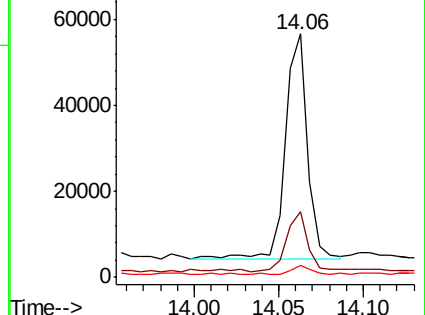
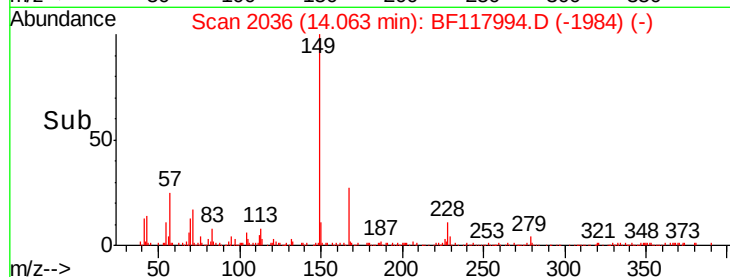
279 5.1 3.4 5.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.59 min Scan# 2296

Delta R.T. 0.01 min

Lab File: BF117994.D

Acq: 26 Nov 2019 4:33

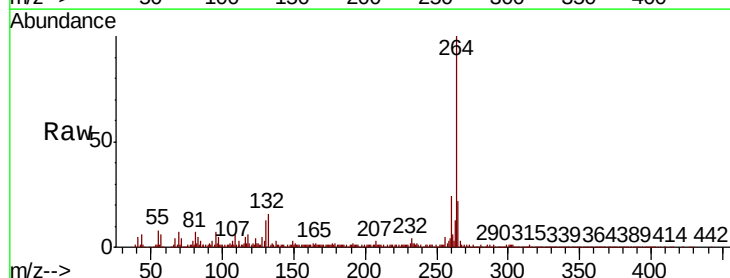
Tgt Ion:264 Resp: 302848

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.0

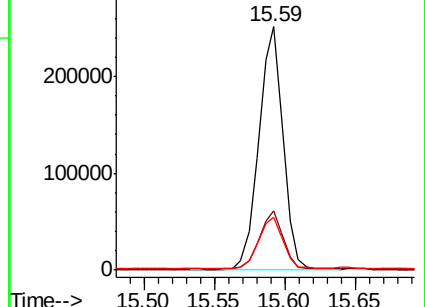
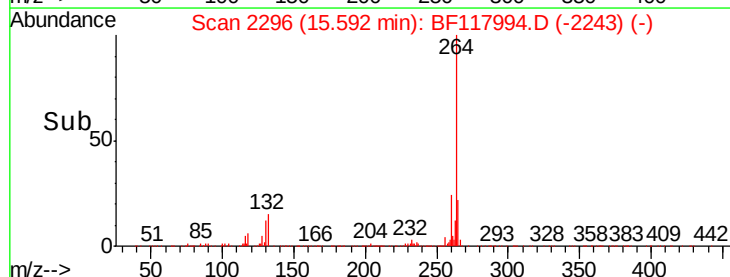
265 22.0 17.1 25.7

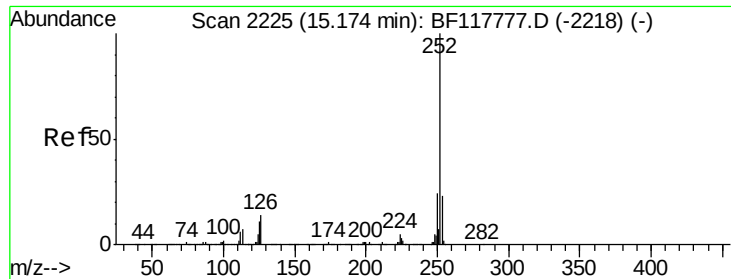


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

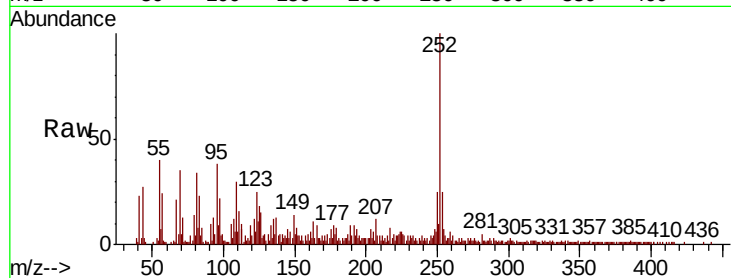




#88
Benzo(b)fluoranthene
Concen: 5.592 ng
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF117994.D
Acq: 26 Nov 2019 4:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	18.5	8.6	13.0

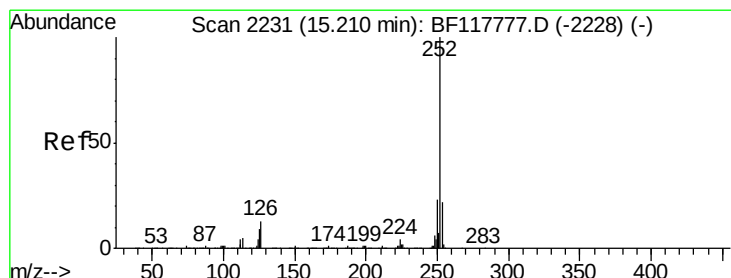
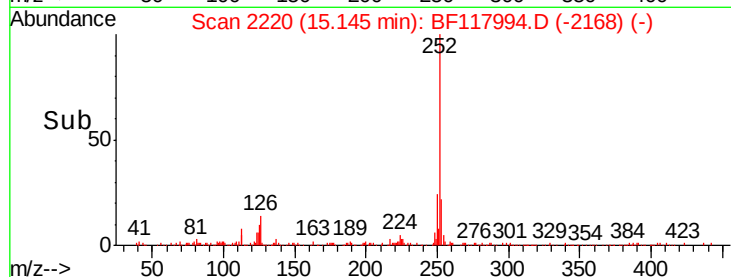
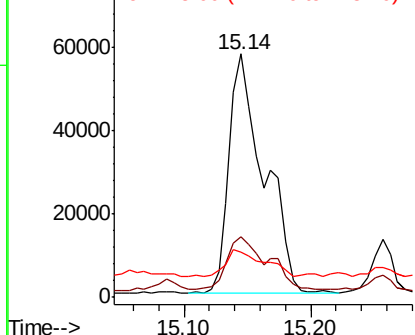


Abundance

Ion 252.00 (251.70 to 252.70): E

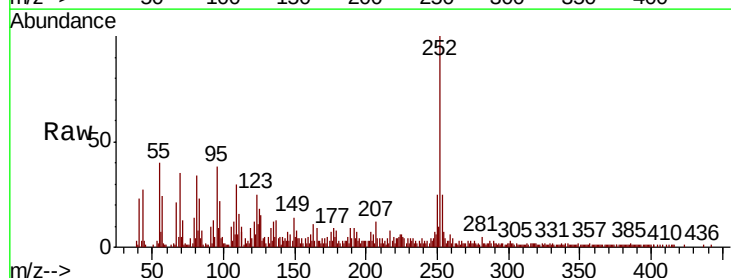
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 5.935 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.03 min
Lab File: BF117994.D
Acq: 26 Nov 2019 4:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	18.5	7.9	11.9

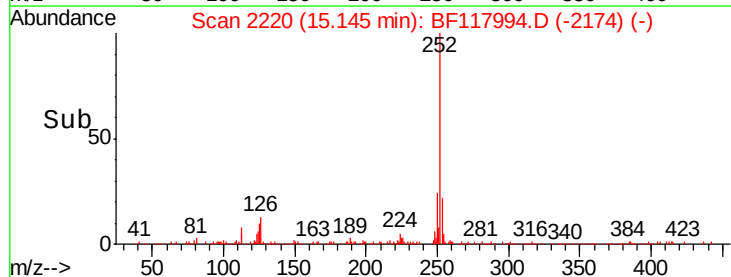
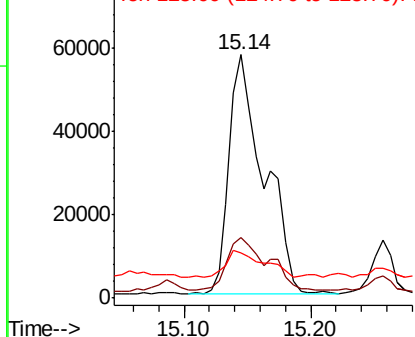


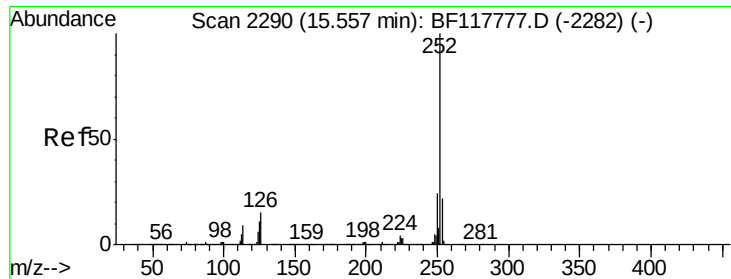
Abundance

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

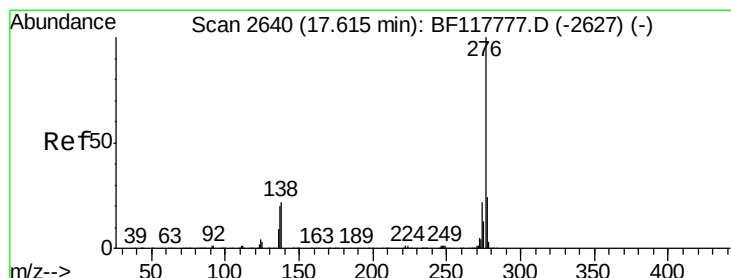
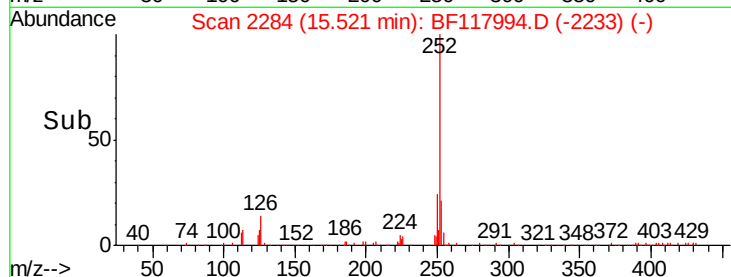
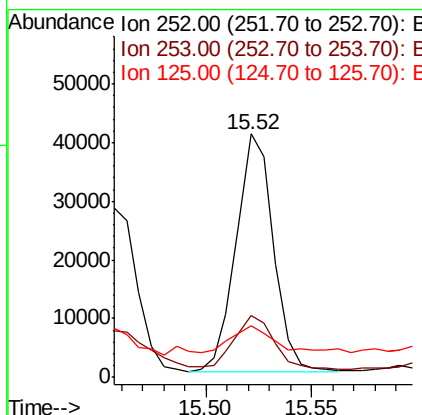
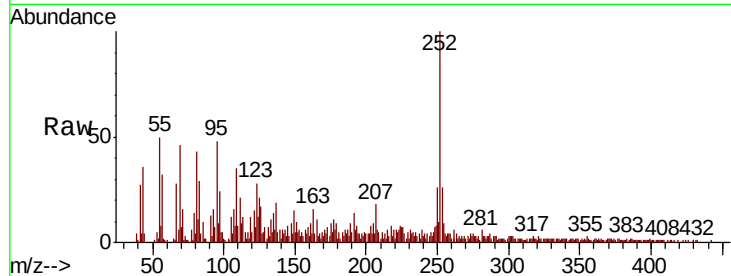




#90
Benzo(a)pyrene
Concen: 2.888 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BF117994.D
Acq: 26 Nov 2019 4:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.8	26.6
125	21.2	9.2	13.8



#92
Benzo(g,h,i)perylene
Concen: 2.012 ng
RT: 17.57 min Scan# 2632
Delta R.T. 0.01 min
Lab File: BF117994.D
Acq: 26 Nov 2019 4:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.9	28.3
138	30.1	17.4	26.2

