

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
 Data File : BF117252.D
 Acq On : 25 Sep 2019 20:38
 Operator : JU
 Sample : K5020-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:31:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	35342	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	137226	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	64304	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	83939	20.00	ng	0.00
76) Chrysene-d12	13.97	240	59872	20.00	ng	0.00
87) Perylene-d12	15.43	264	61463	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	238134	105.20	ng	0.00
7) Phenol-d6	6.46	99	312986	106.98	ng	0.00
23) Nitrobenzene-d5	7.37	82	197947	75.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	53366	99.30	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	349222	84.91	ng	0.00
79) Terphenyl-d14	12.92	244	248795	77.67	ng	0.00

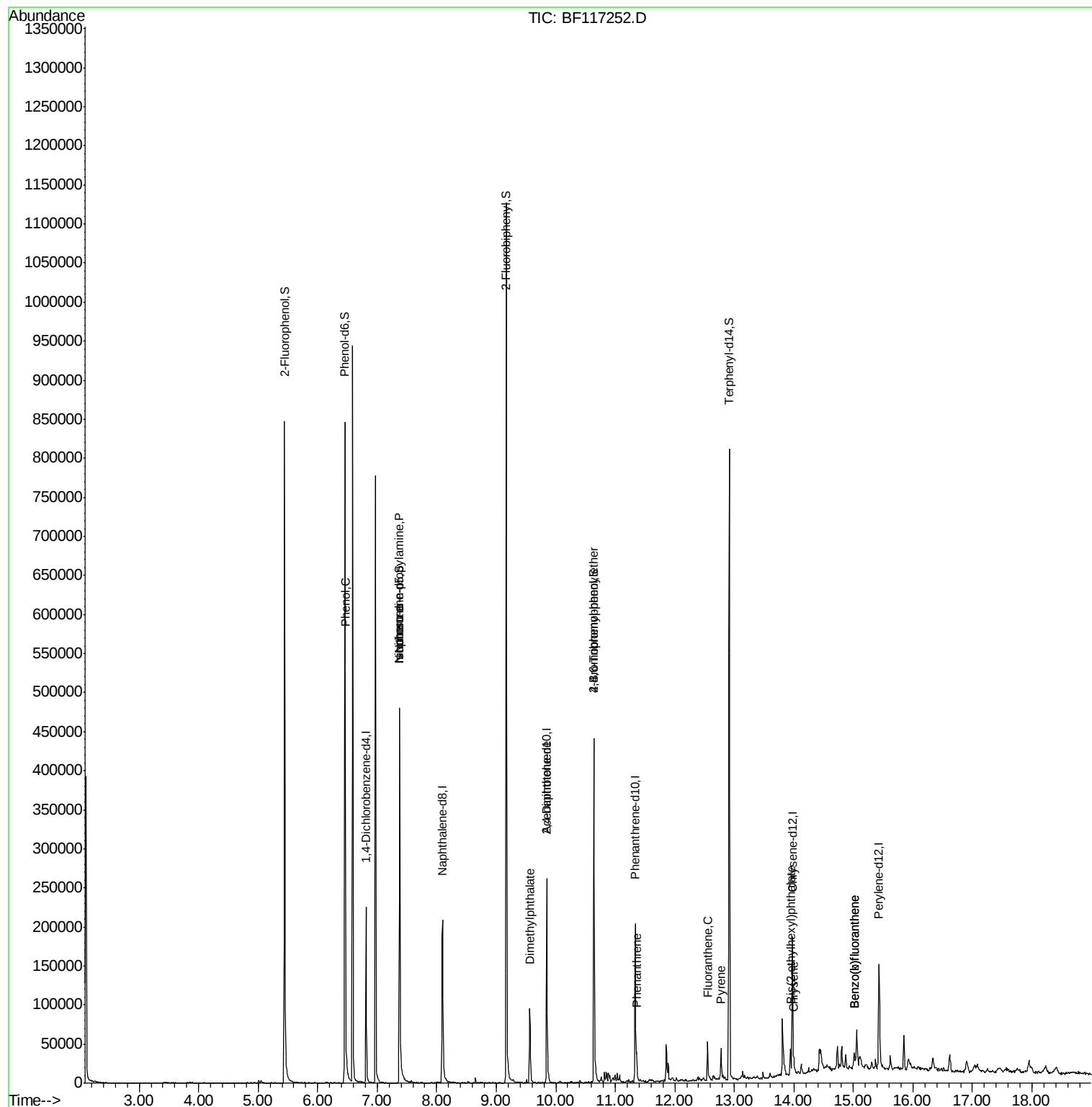
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	494	Below Cal		# 1
10) Phenol	6.47	94	9695	3.006	ng	92
19) n-Nitroso-di-n-propylamine	7.37	70	25279	14.190	ng	# 83
25) Isophorone	7.37	82	197946	42.806	ng	# 66
50) Dimethylphthalate	9.56	163	49005	10.763	ng	99
57) 2,4-Dinitrotoluene	9.85	165	8440	7.012	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	3233	3.771	ng	# 1
71) Phenanthrene	11.36	178	11538	2.420	ng	# 88
75) Fluoranthene	12.55	202	22303	4.553	ng	96
78) Pyrene	12.78	202	18785	3.739	ng	97
83) Chrysene	14.00	228	9758	2.501	ng	98
84) Bis(2-ethylhexyl)phthalate	13.94	149	10218	3.339	ng	97
88) Benzo(b)fluoranthene	15.02	252	14894	4.000	ng	# 93
89) Benzo(k)fluoranthene	15.02	252	14894	4.223	ng	# 93

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

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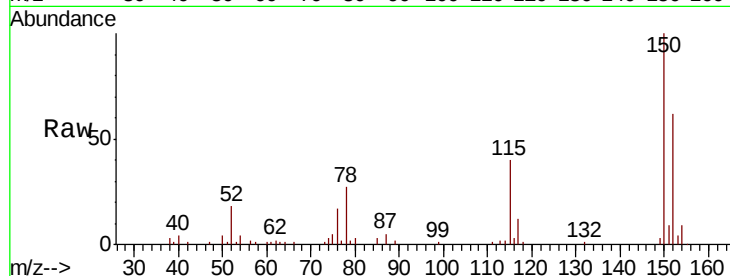


#1

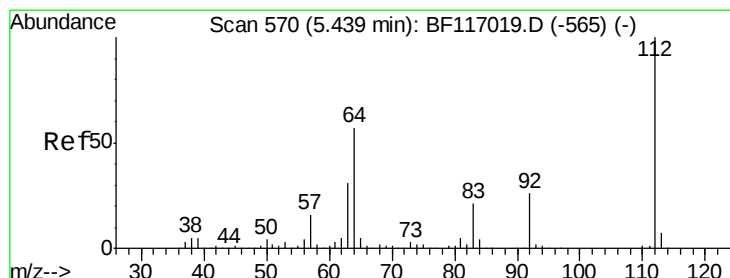
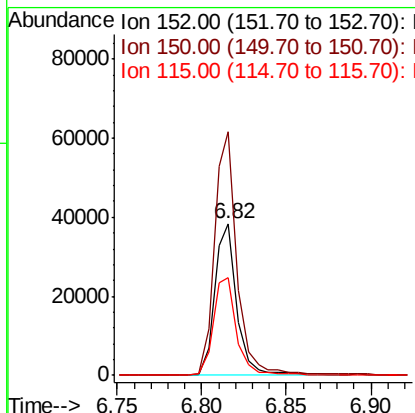
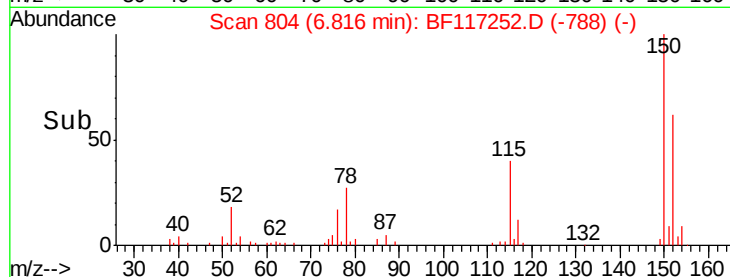
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117252.D
Acq: 25 Sep 2019 20:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 35342
Ion Ratio Lower Upper
152 100
150 160.3 127.5 191.3
115 64.0 55.0 82.4



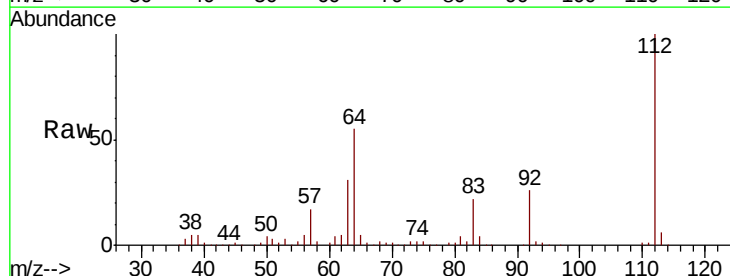
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



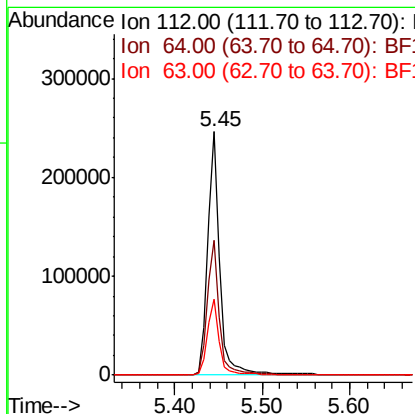
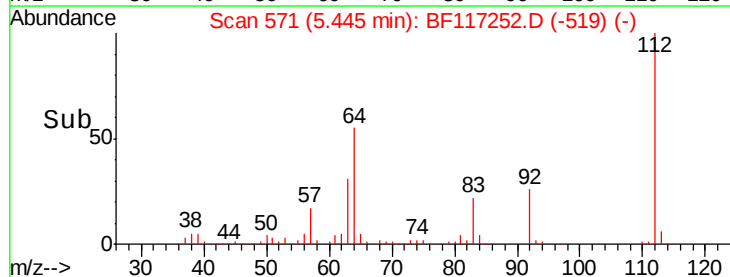
#5

2-Fluorophenol
Concen: 105.197 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117252.D
Acq: 25 Sep 2019 20:38

Tgt Ion:112 Resp: 238134
Ion Ratio Lower Upper
112 100
64 55.3 45.7 68.5
63 31.1 24.9 37.3



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: 106.985 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117252.D

Acq: 25 Sep 2019 20:38

Instrument :

BNA_F

ClientSampleId :

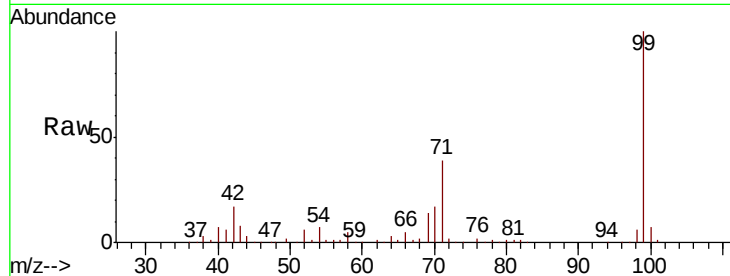
Tot Ion: 99 Resp: 312986

Ion Ratio Lower Upper

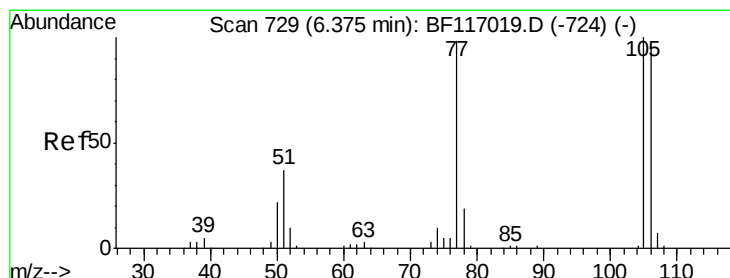
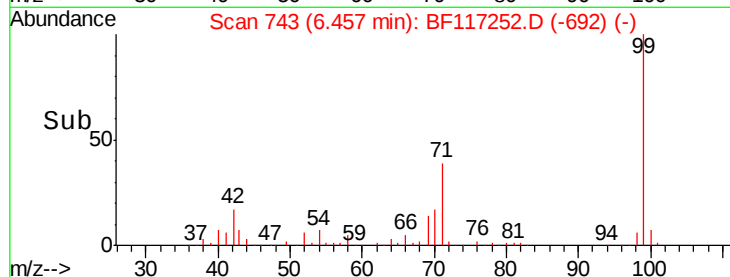
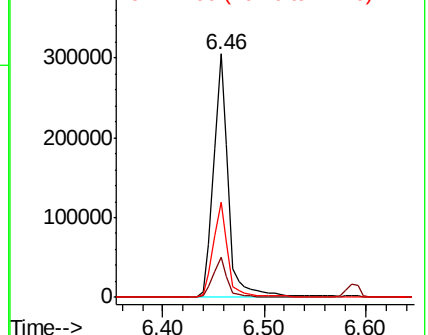
99 100

42 16.6 12.2 18.2

71 39.3 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.46 min Scan# 743

Delta R.T. 0.08 min

Lab File: BF117252.D

Acq: 25 Sep 2019 20:38

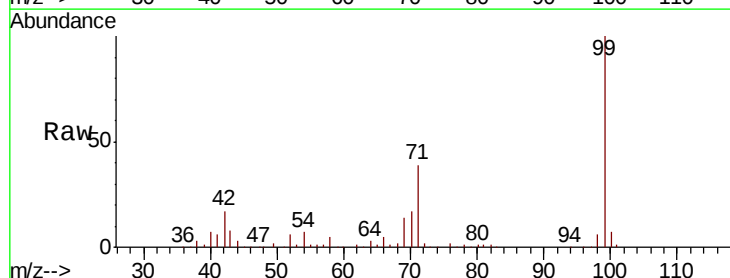
Tgt Ion: 77 Resp: 494

Ion Ratio Lower Upper

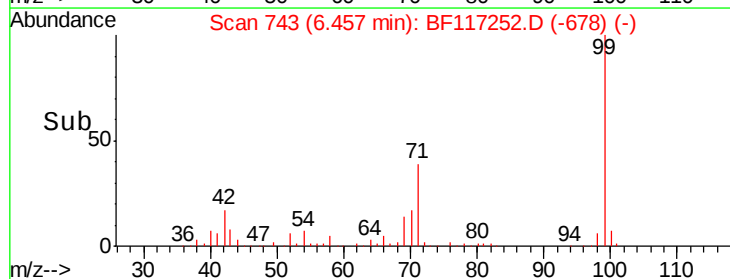
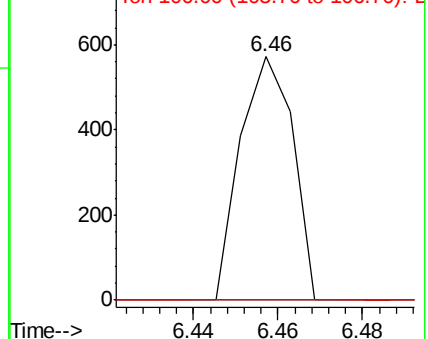
77 100

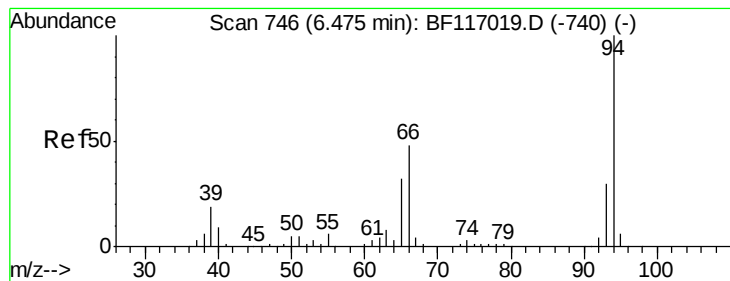
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.006 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF117252.D

Acq: 25 Sep 2019 20:38

Instrument :
BNA_F
ClientSampleId :

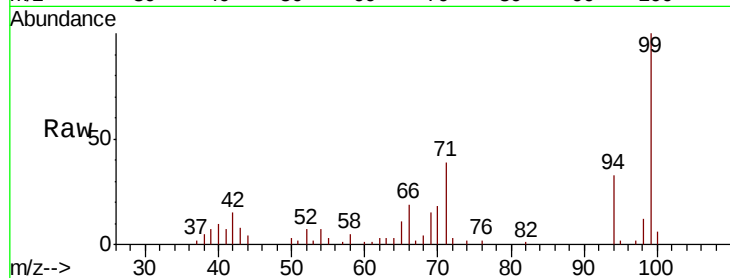
Tot Ion: 94 Resp: 9695

Ion Ratio Lower Upper

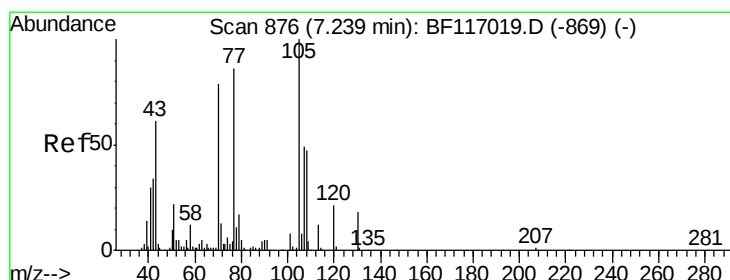
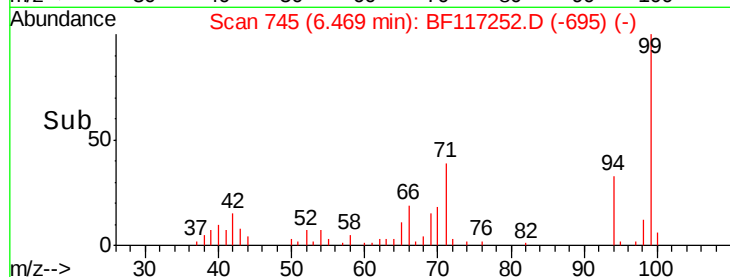
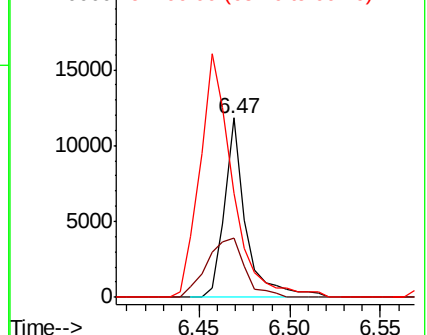
94 100

65 33.2 12.5 52.5

66 57.7 28.9 68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.190 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF117252.D

Acq: 25 Sep 2019 20:38

Tgt Ion: 70 Resp: 25279

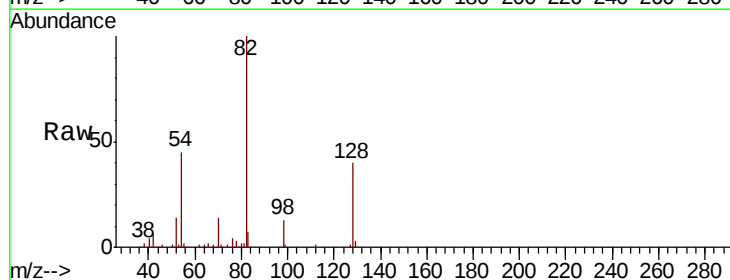
Ion Ratio Lower Upper

70 100

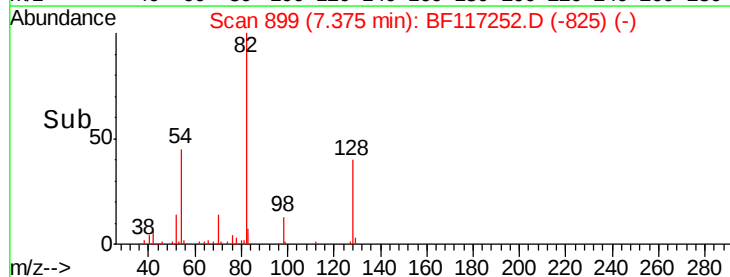
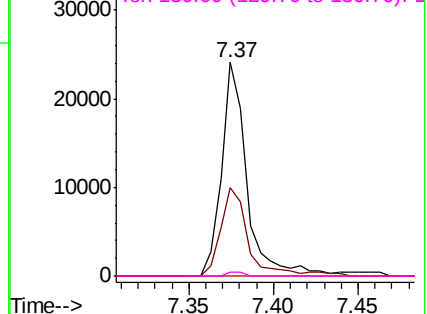
42 41.6 34.0 51.0

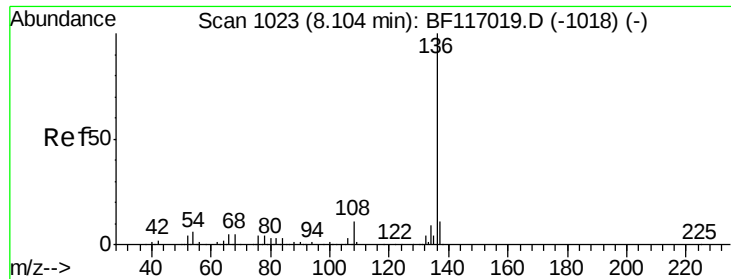
101 0.0 7.8 11.6#

130 1.7 17.8 26.8#



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

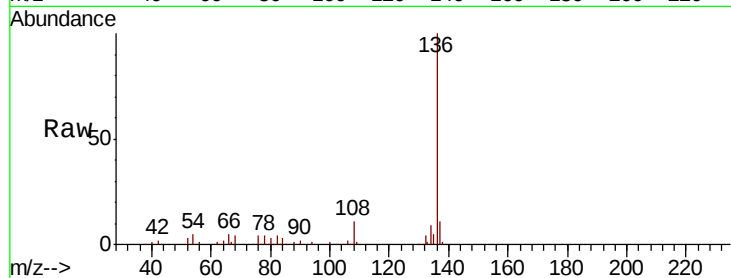




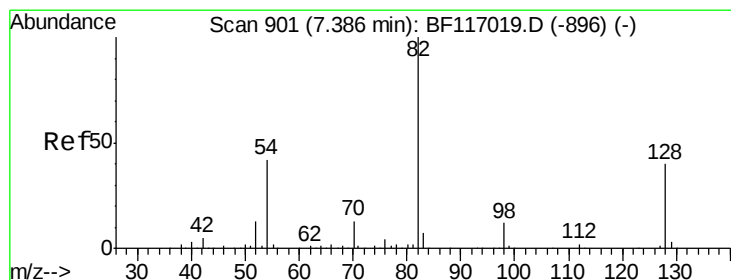
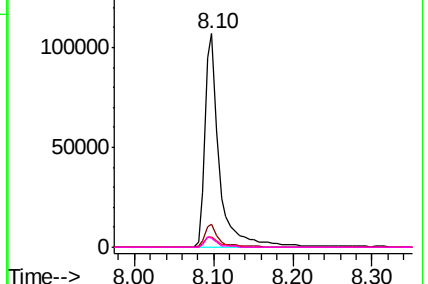
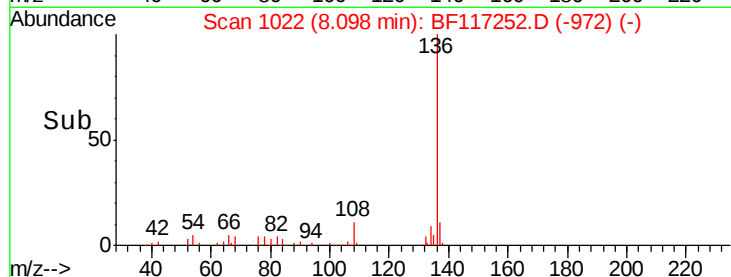
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF117252.D
Acq: 25 Sep 2019 20:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	137226	
Ion Ratio	Lower	Upper	
136 100			
137 10.5	9.0	13.4	
54 5.0	4.5	6.7	
68 4.4	4.0	6.0	

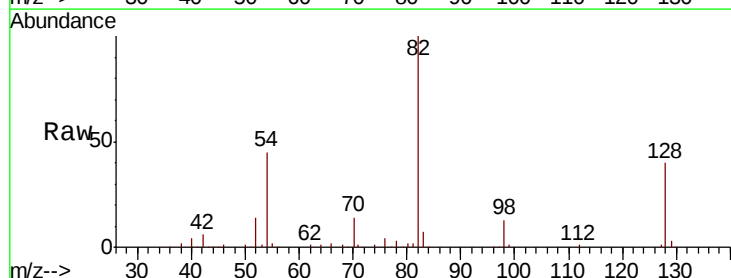


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

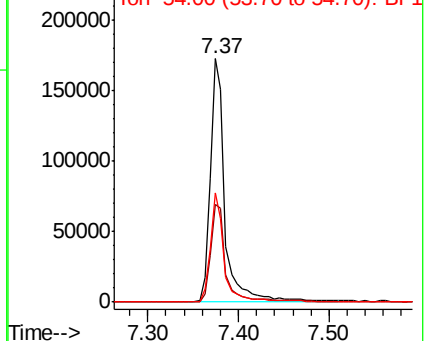
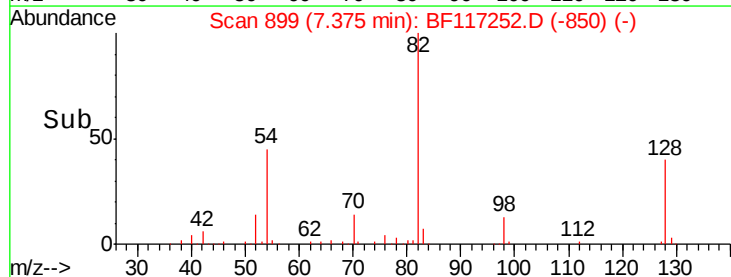


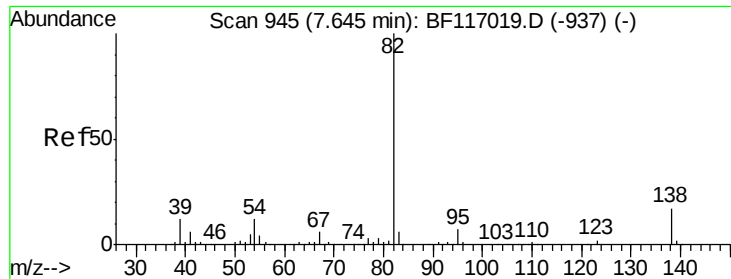
#23
Nitrobenzene-d5
Concen: 75.792 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF117252.D
Acq: 25 Sep 2019 20:38

Tgt Ion: 82	Resp: 197947
Ion Ratio	Lower Upper
82 100	
128 40.3	32.3 48.5
54 44.7	33.3 49.9



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: 42.806 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.27 min

Lab File: BF117252.D

Acq: 25 Sep 2019 20:38

Instrument :

BNA_F

ClientSampleId :

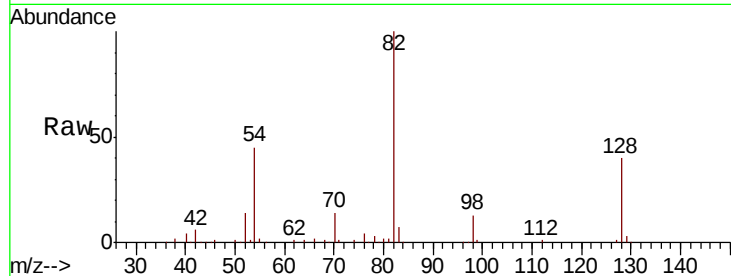
Tot Ion: 82 Resp: 197946

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

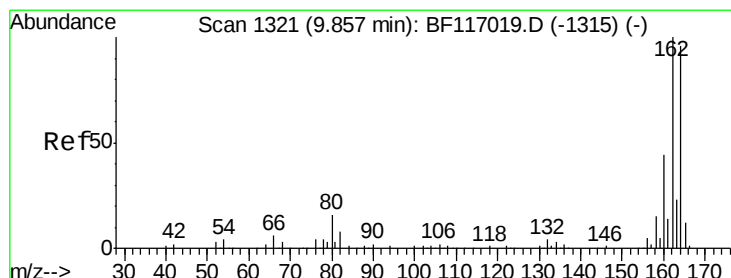
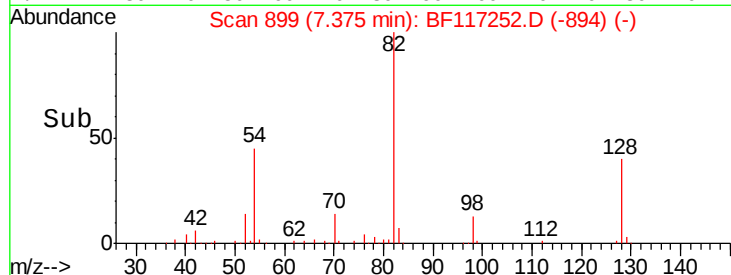
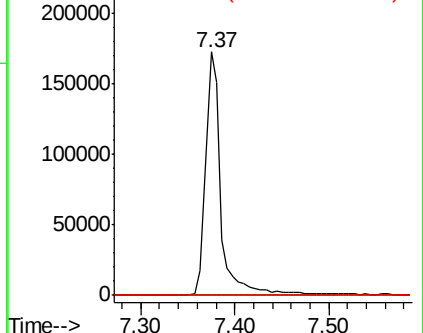
138 0.0 13.5 20.3#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF117252.D

Acq: 25 Sep 2019 20:38

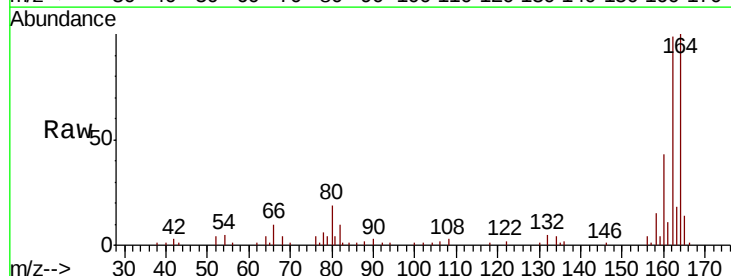
Tgt Ion: 164 Resp: 64304

Ion Ratio Lower Upper

164 100

162 98.9 83.4 125.2

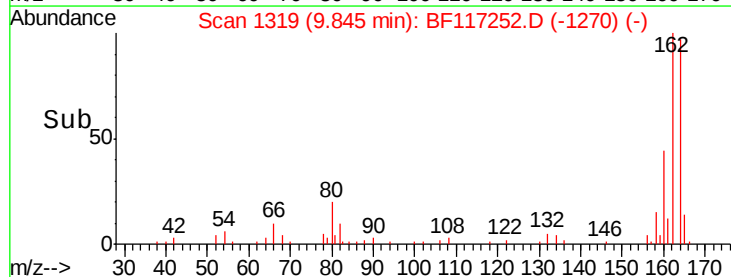
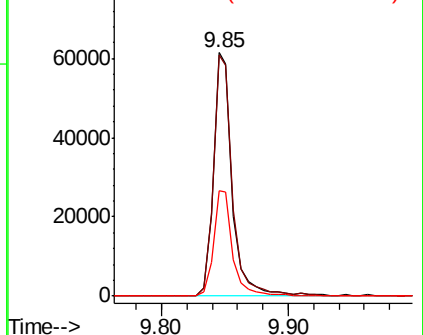
160 43.0 36.4 54.6



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: 99.298 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117252.D

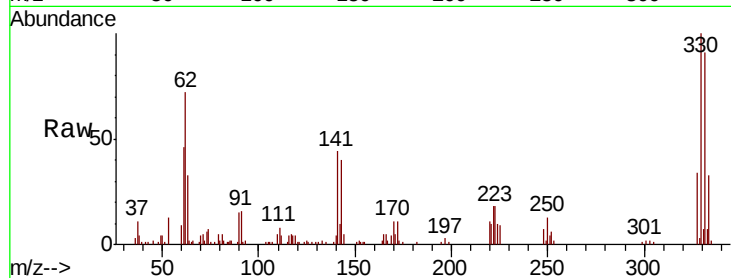
Acq: 25 Sep 2019 20:38

Instrument :

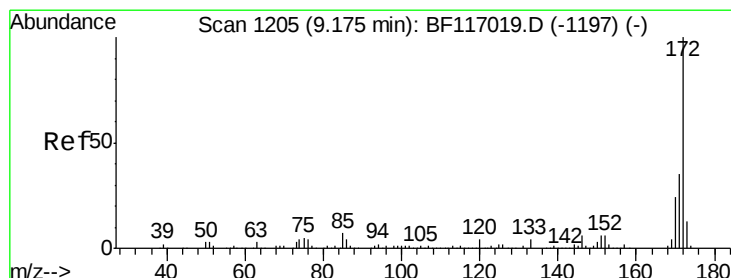
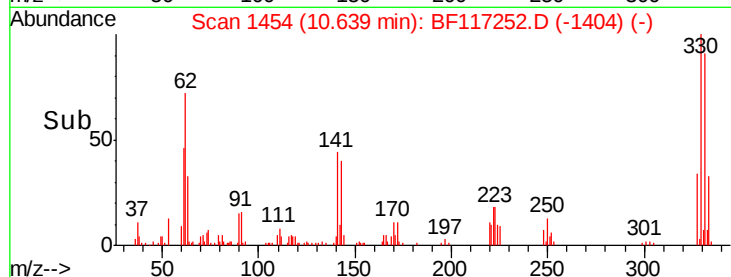
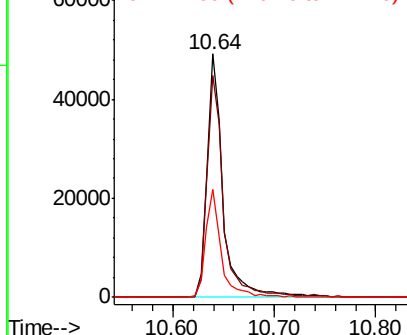
BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	53366
Ion	Ratio	Lower	Upper
330	100		
332	93.4	78.0	117.0
141	43.3	35.8	53.6



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: 84.915 ng

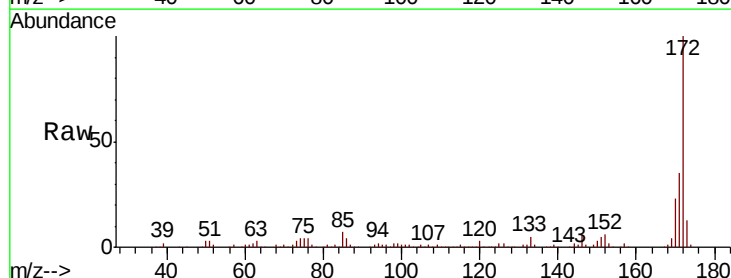
RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

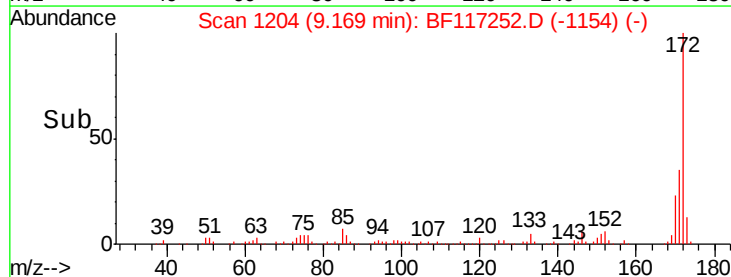
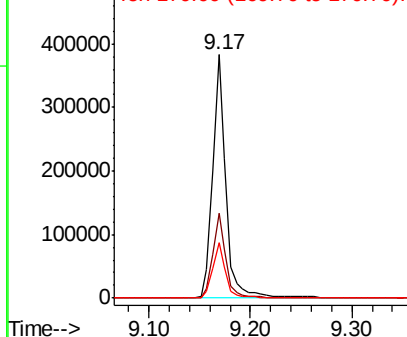
Lab File: BF117252.D

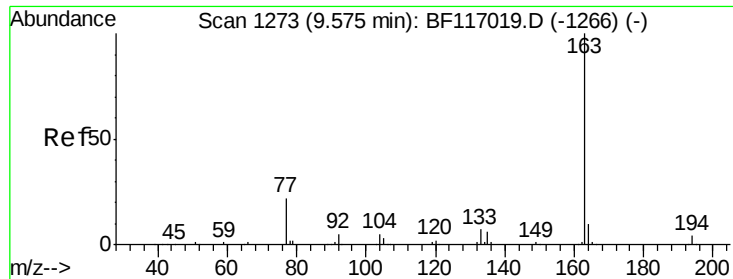
Acq: 25 Sep 2019 20:38

Tgt Ion:	172	Resp:	349222
Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	22.9	18.9	28.3



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

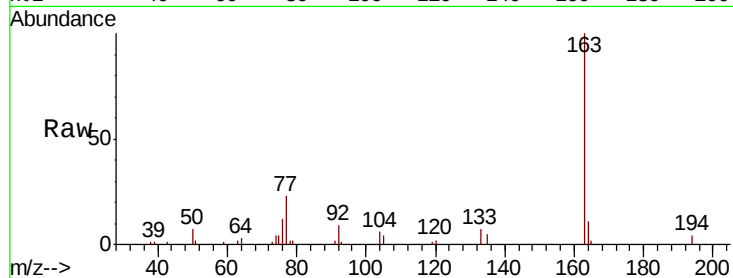




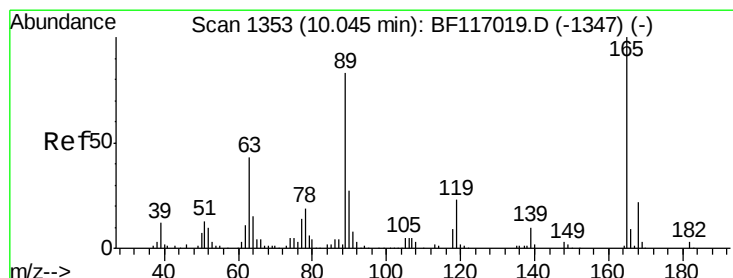
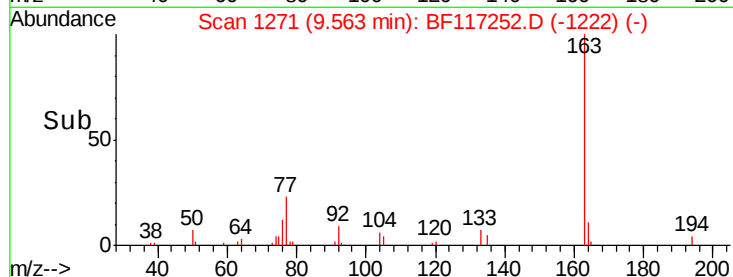
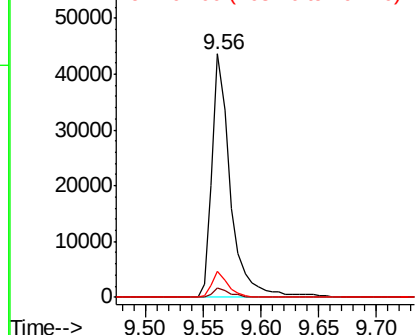
#50
 Dimethylphthalate
 Concen: 10.763 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: BF117252.D
 Acq: 25 Sep 2019 20:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:163	Resp:	49005
Ion Ratio	Lower	Upper
163	100	
194	3.8	2.9 4.3
164	10.8	8.2 12.4

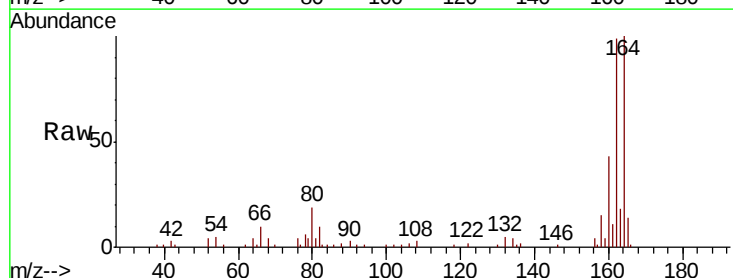


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

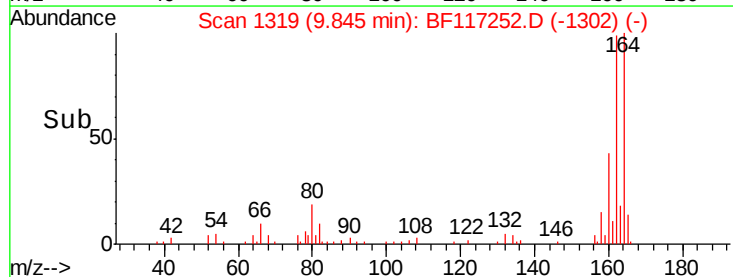
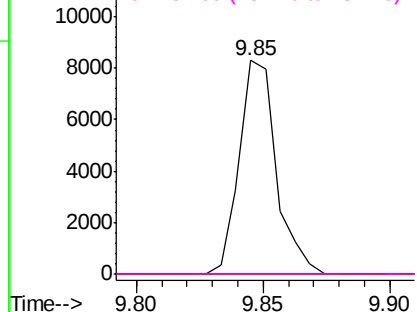


#57
 2,4-Dinitrotoluene
 Concen: 7.012 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117252.D
 Acq: 25 Sep 2019 20:38

Tgt Ion:165	Resp:	8440
Ion Ratio	Lower	Upper
165	100	
63	0.0	35.0 52.4#
89	0.0	66.1 99.1#
182	0.0	2.0 3.0#



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: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF117252.D

Acq: 25 Sep 2019 20:38

Instrument :

BNA_F

ClientSampled :

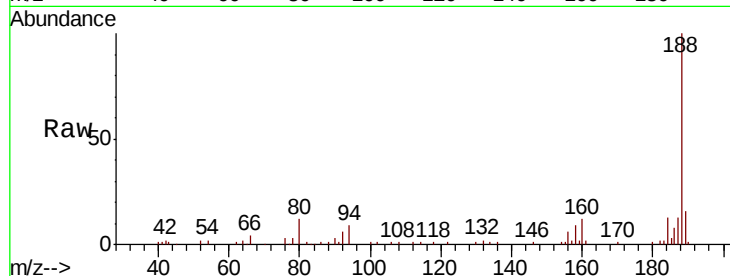
Tot Ion:188 Resp: 83939

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

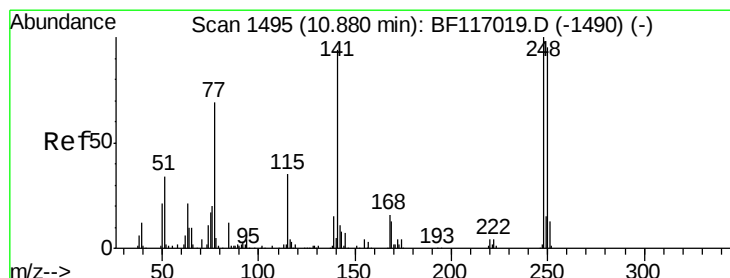
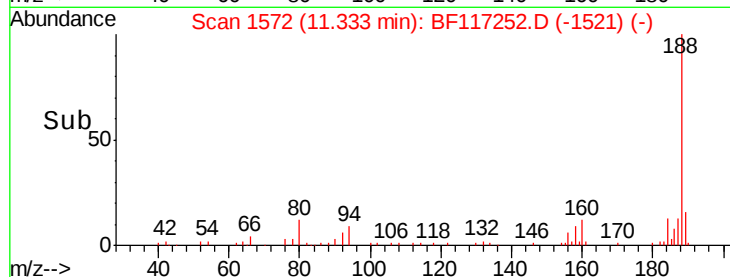
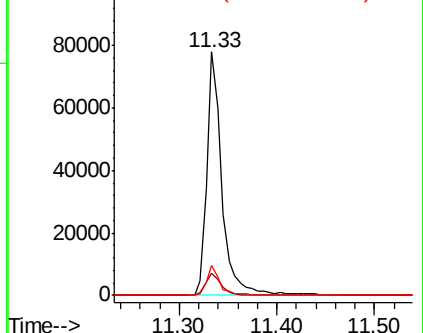
80 12.4 9.0 13.6



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: 3.771 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF117252.D

Acq: 25 Sep 2019 20:38

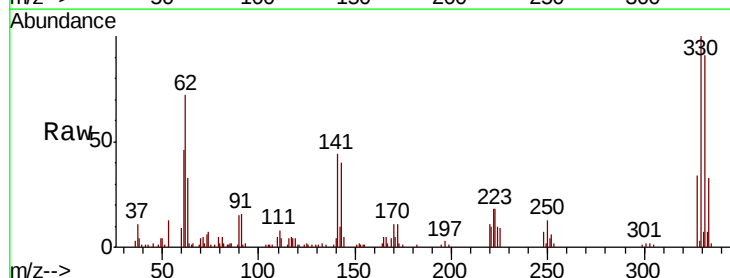
Tgt Ion:248 Resp: 3233

Ion Ratio Lower Upper

248 100

250 191.5 76.2 114.4#

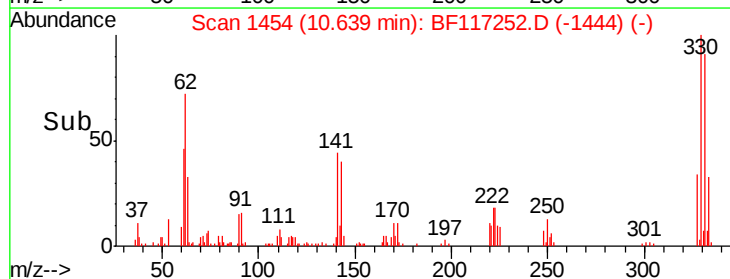
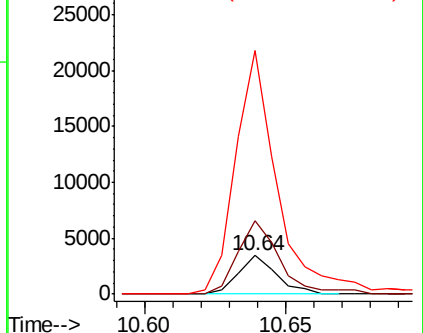
141 632.7 75.0 112.4#

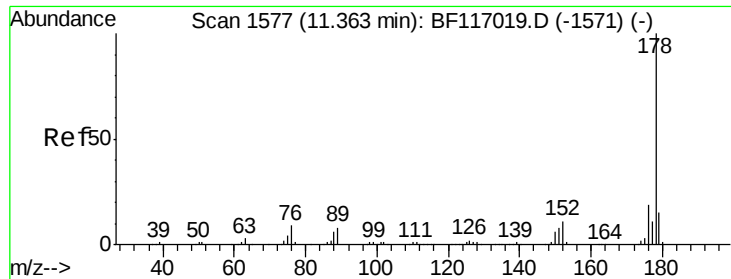


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

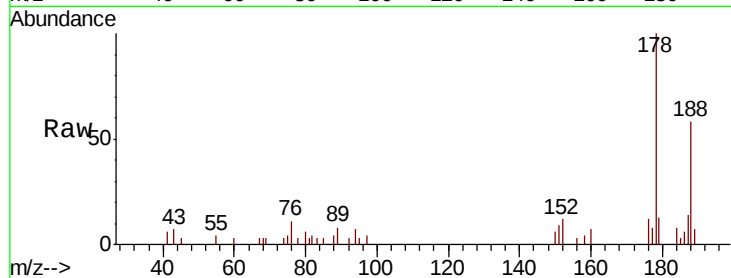




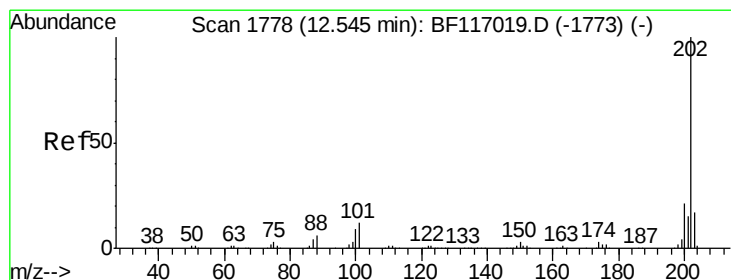
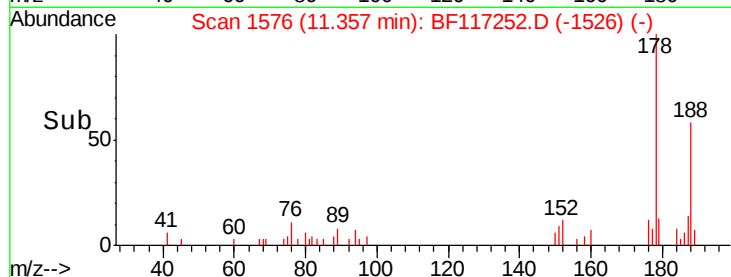
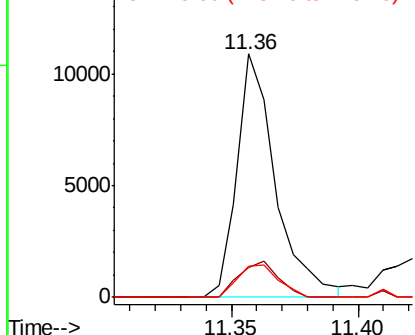
#71
Phenanthrene
Concen: 2.420 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117252.D
Acq: 25 Sep 2019 20:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 11538
Ion Ratio Lower Upper
178 100
176 12.0 15.4 23.2#
179 13.0 12.4 18.6

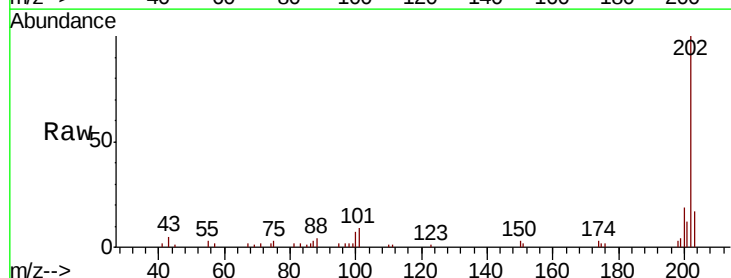


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

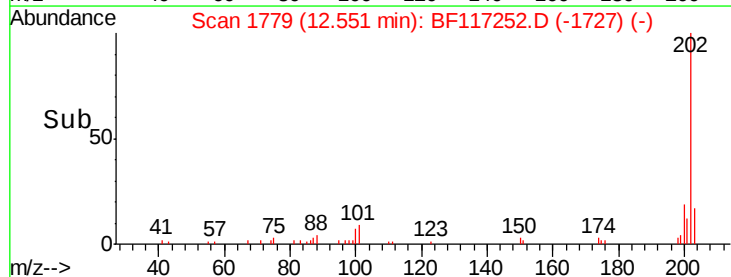
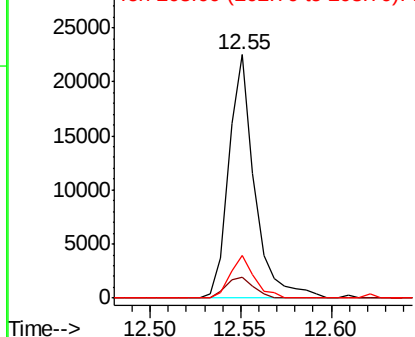


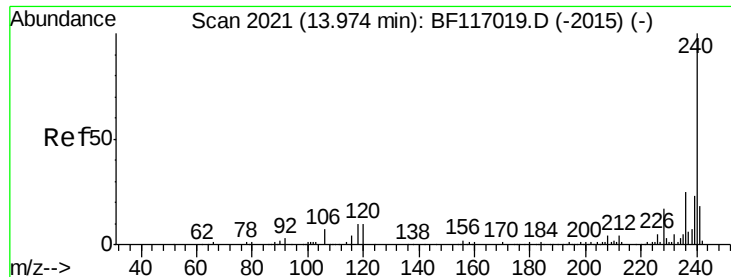
#75
Fluoranthene
Concen: 4.553 ng
RT: 12.55 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BF117252.D
Acq: 25 Sep 2019 20:38

Tgt Ion:202 Resp: 22303
Ion Ratio Lower Upper
202 100
101 8.6 0.0 32.3
203 17.4 0.0 37.1



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

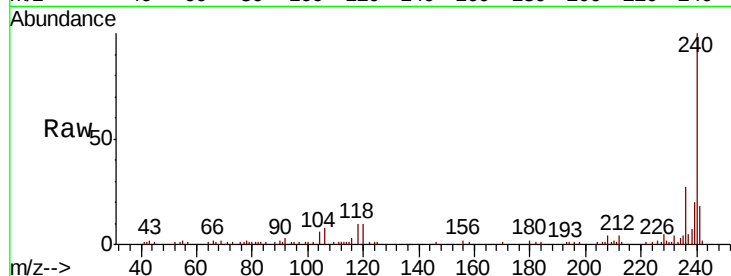




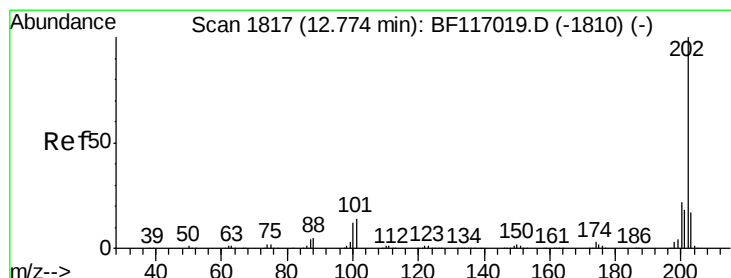
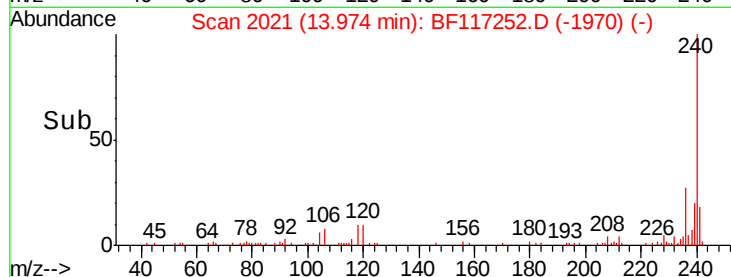
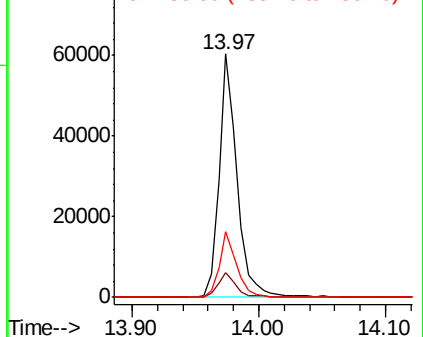
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF117252.D
Acq: 25 Sep 2019 20:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 59872
Ion Ratio Lower Upper
240 100
120 10.1 8.3 12.5
236 26.9 20.3 30.5

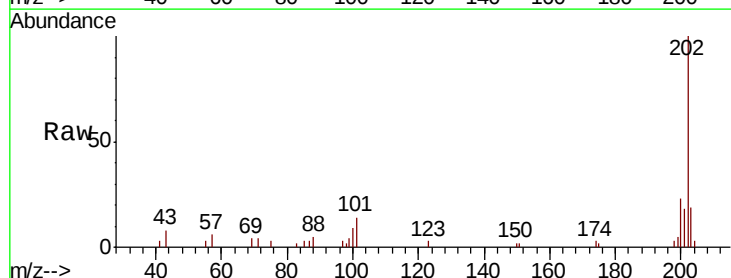


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

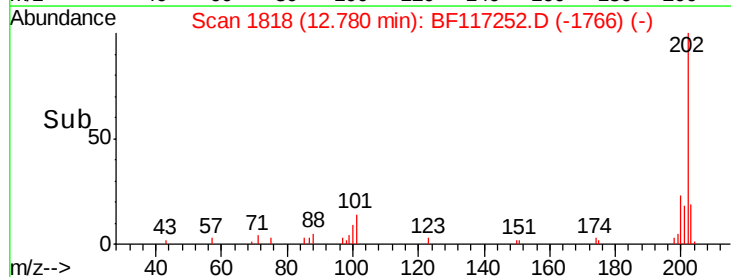
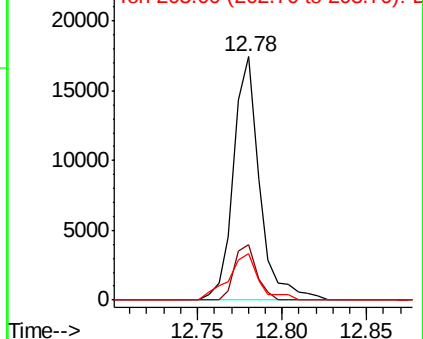


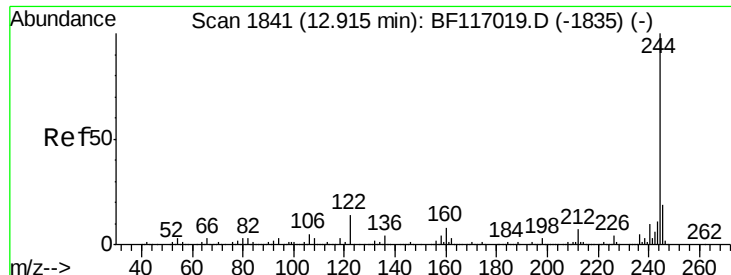
#78
Pyrene
Concen: 3.739 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF117252.D
Acq: 25 Sep 2019 20:38

Tgt Ion:202 Resp: 18785
Ion Ratio Lower Upper
202 100
200 22.9 17.2 25.8
203 18.9 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

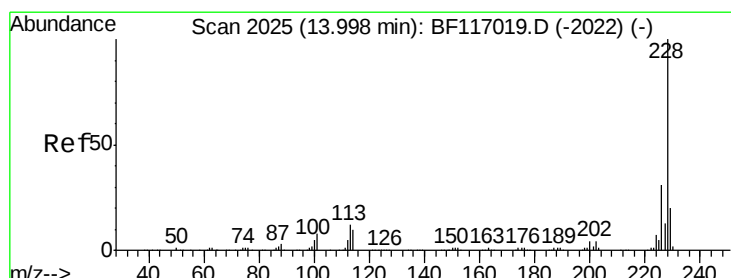
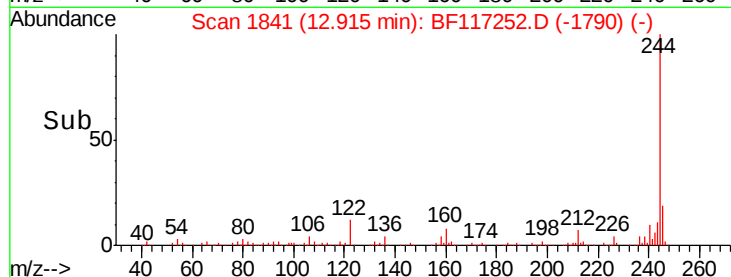
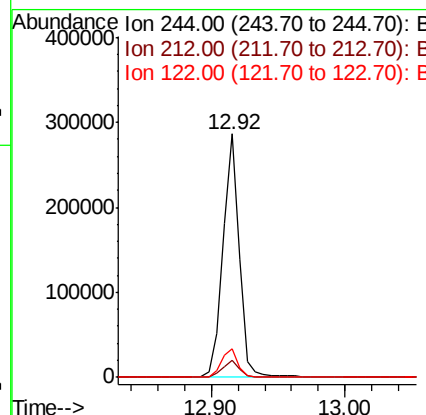
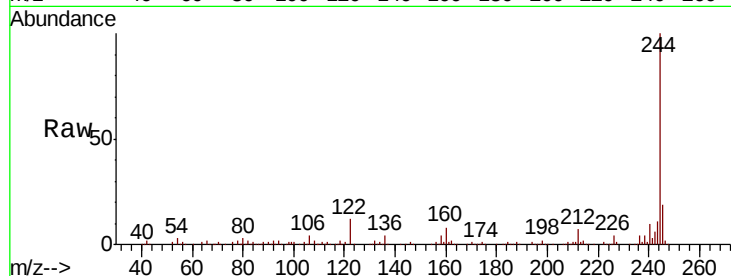




#79
 Terphenyl-d14
 Concen: 77.675 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF117252.D
 Acq: 25 Sep 2019 20:38

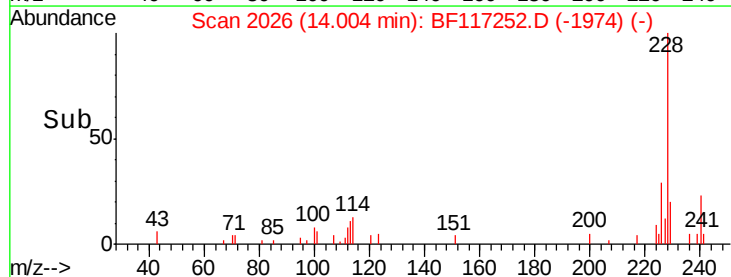
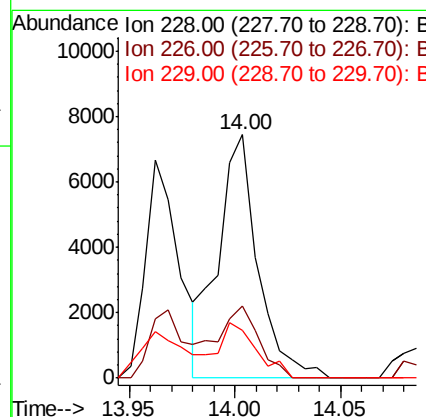
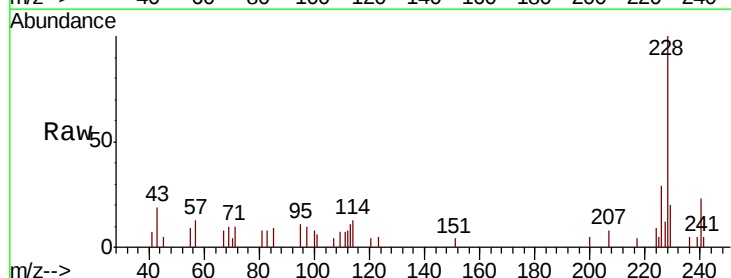
Instrument :
 BNA_F
 ClientSampleId :

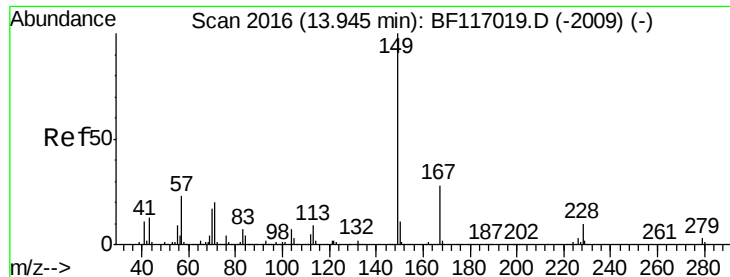
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.9	11.3	16.9



#83
 Chrysene
 Concen: 2.501 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF117252.D
 Acq: 25 Sep 2019 20:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.8	37.2
229	19.9	15.8	23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.339 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BF117252.D

Acq: 25 Sep 2019 20:38

Instrument :

BNA_F

ClientSampleId :

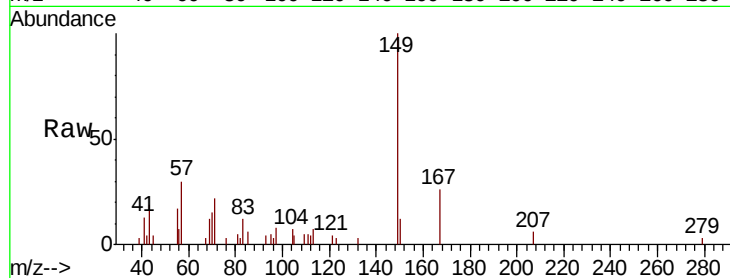
Tot Ion:149 Resp: 10218

Ion Ratio Lower Upper

149 100

167 26.1 22.2 33.2

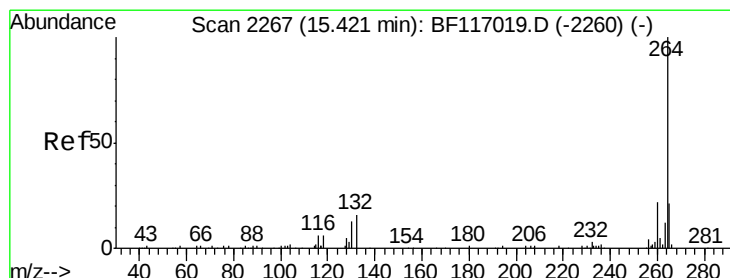
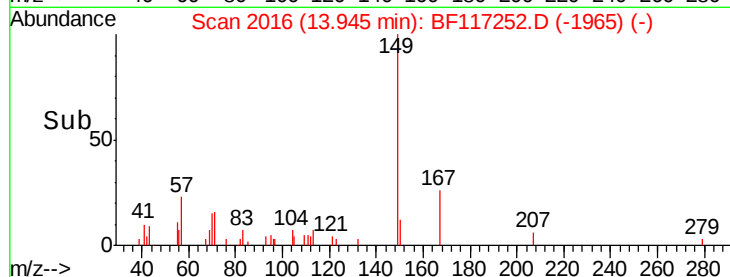
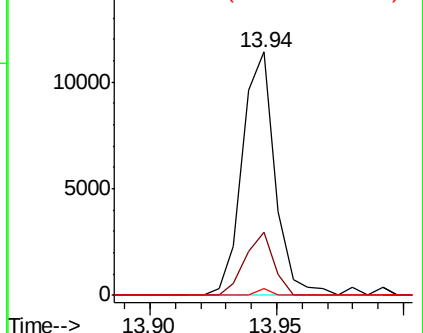
279 2.8 2.8 4.2



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: 15.43 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF117252.D

Acq: 25 Sep 2019 20:38

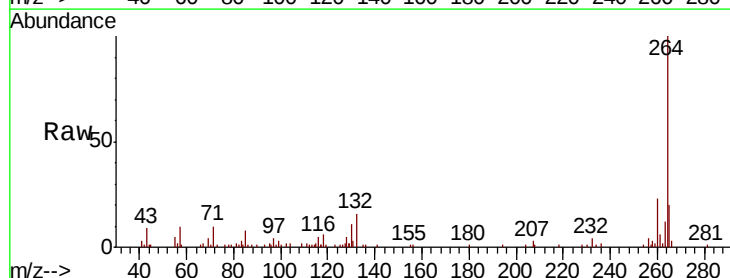
Tgt Ion:264 Resp: 61463

Ion Ratio Lower Upper

264 100

260 23.4 17.6 26.4

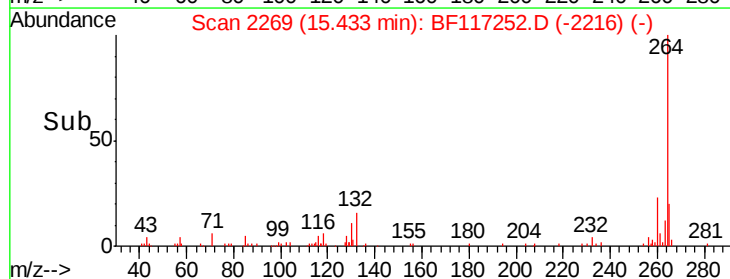
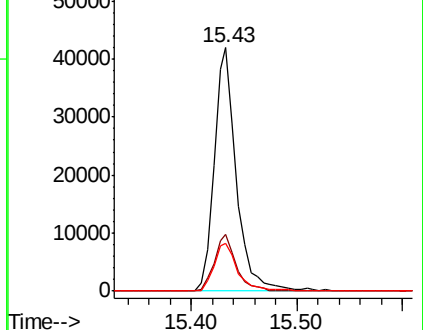
265 19.8 16.6 24.8

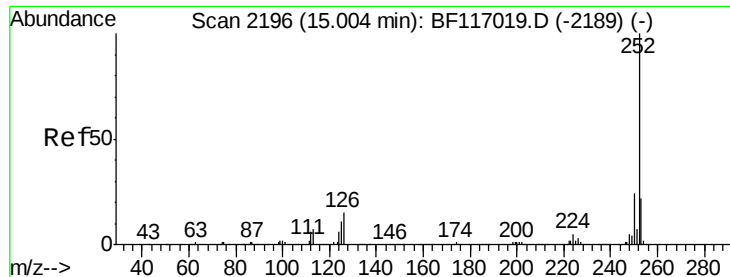


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

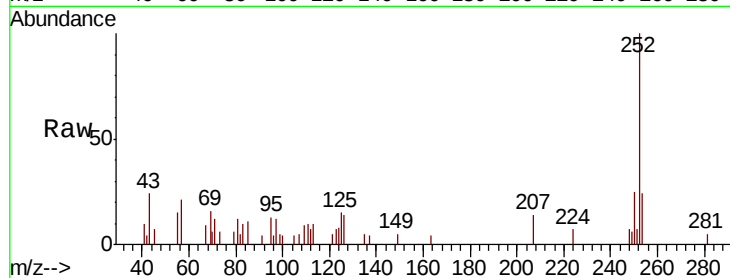




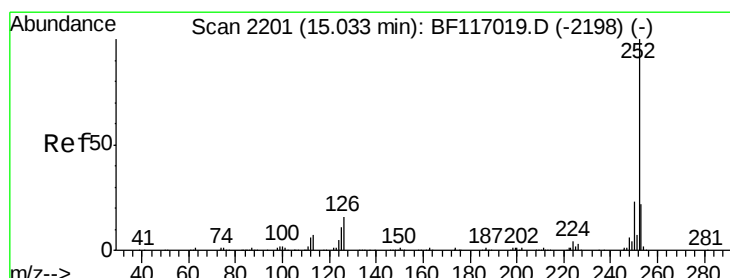
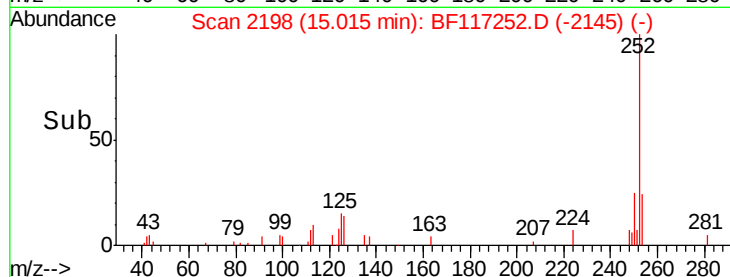
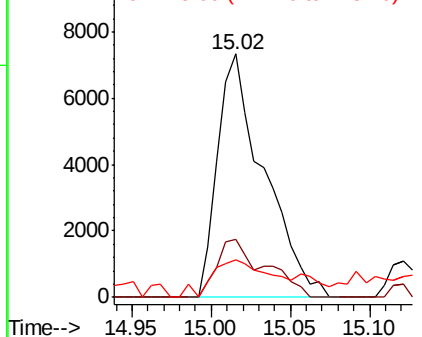
#88
Benzo(b)fluoranthene
Concen: 4.000 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF117252.D
Acq: 25 Sep 2019 20:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 14894
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 15.2 8.6 12.8#

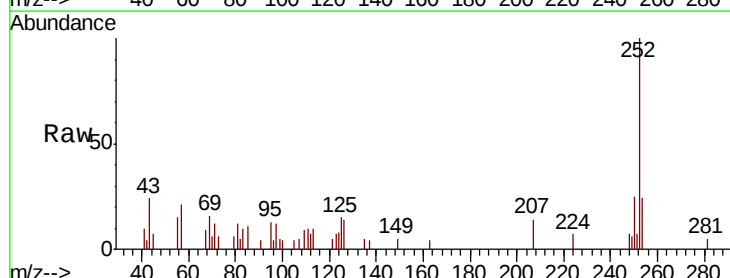


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 4.223 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF117252.D
Acq: 25 Sep 2019 20:38

Tgt Ion:252 Resp: 14894
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 15.2 8.8 13.2#



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

