

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
 Data File : BF117495.D
 Acq On : 23 Oct 2019 20:44
 Operator : JU
 Sample : K5494-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 24 08:24:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

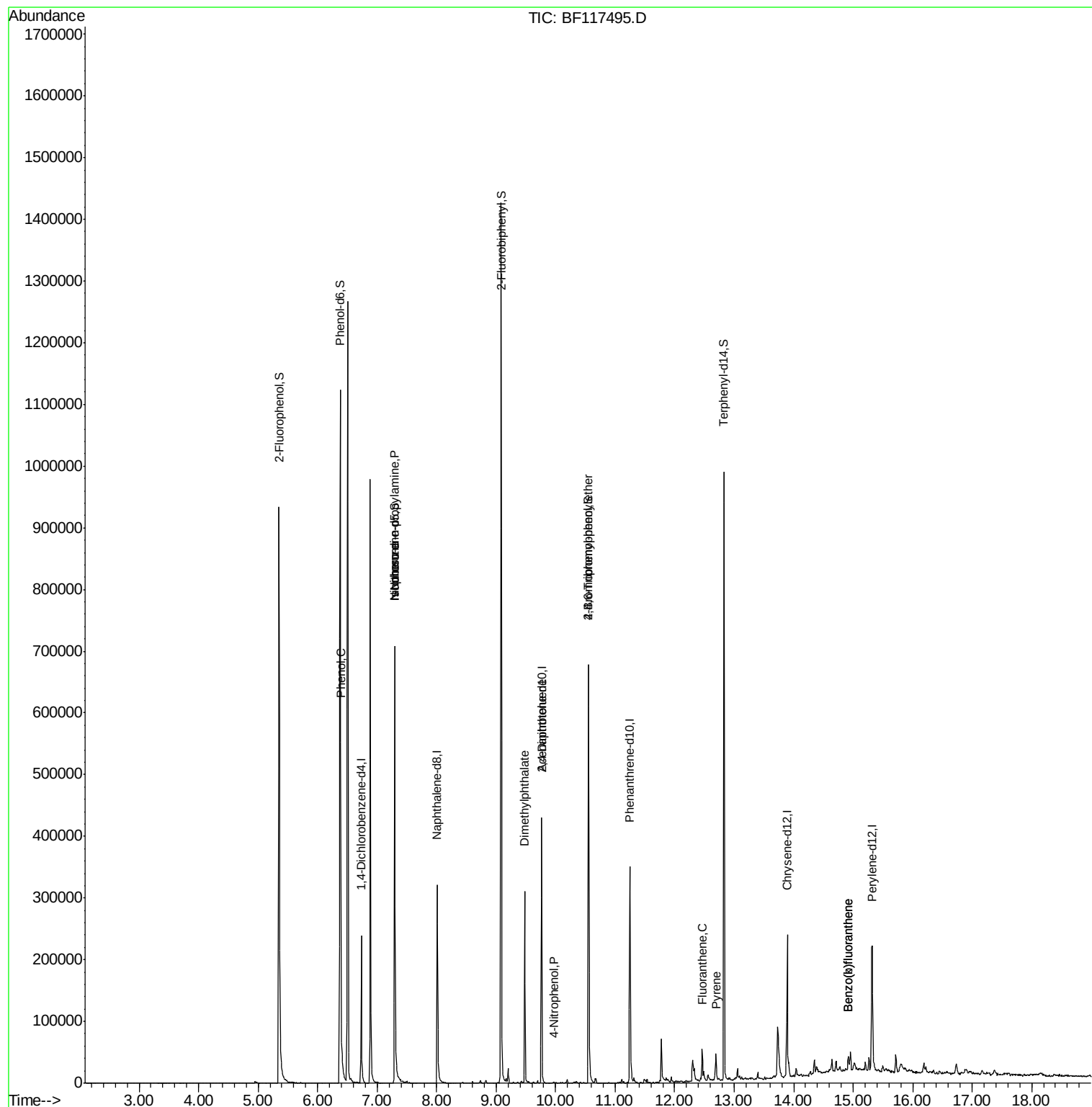
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	41540	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	167477	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	87691	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	139118	20.00	ng	0.00
76) Chrysene-d12	13.89	240	77987	20.00	ng	0.00
87) Perylene-d12	15.32	264	91833	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	295297	105.76	ng	0.00
7) Phenol-d6	6.38	99	407783	108.73	ng	0.00
23) Nitrobenzene-d5	7.30	82	263632	77.71	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	76264	100.51	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	409079	65.73	ng	0.00
79) Terphenyl-d14	12.83	244	332698	69.58	ng	0.00
Target Compounds						
9) Benzaldehyde	6.38	77	759	Below Cal		Qvalue # 3
10) Phenol	6.39	94	8565	2.238	ng	87
19) n-Nitroso-di-n-propylamine	7.30	70	35216	15.376	ng	# 77
25) Isophorone	7.30	82	263631	44.922	ng	# 65
50) Dimethylphthalate	9.48	163	111671	17.863	ng	99
56) 4-Nitrophenol	9.97	139	113	4.277	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	10566	6.092	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	5065	3.380	ng	# 1
75) Fluoranthene	12.46	202	22005	2.721	ng	96
77) Benzidine	12.83	184	4297	Below Cal		# 95
78) Pyrene	12.69	202	19393	2.895	ng	96
88) Benzo(b)fluoranthene	14.92	252	16588	3.059	ng	# 81
89) Benzo(k)fluoranthene	14.92	252	16588	2.984	ng	# 80

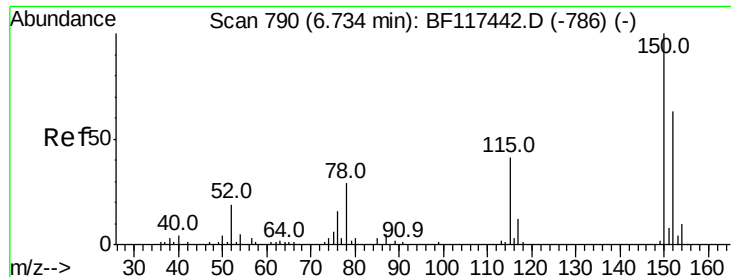
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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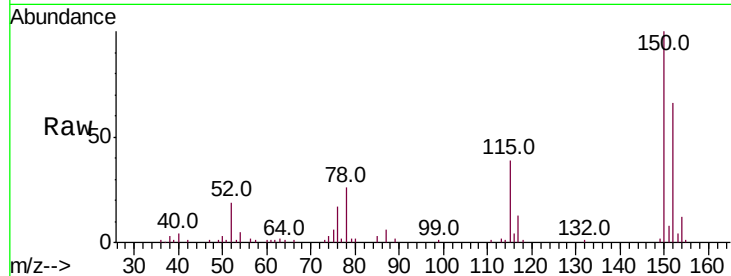


#1

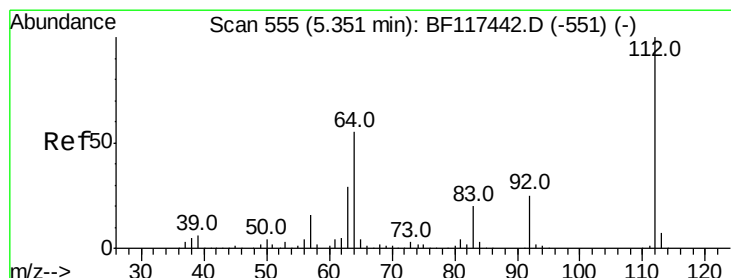
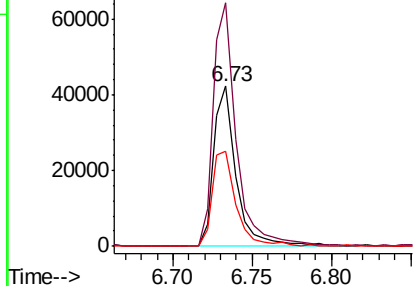
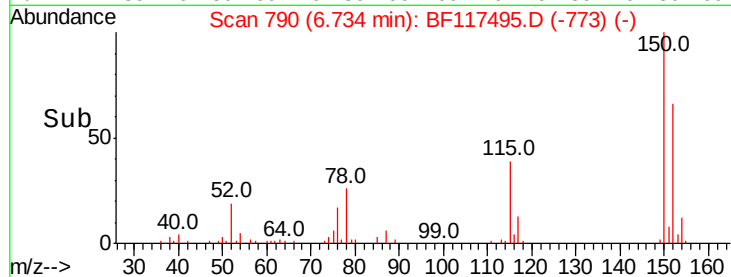
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117495.D
Acq: 23 Oct 2019 20:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 41540
Ion Ratio Lower Upper
152 100
150 152.3 126.8 190.2
115 59.2 51.6 77.4



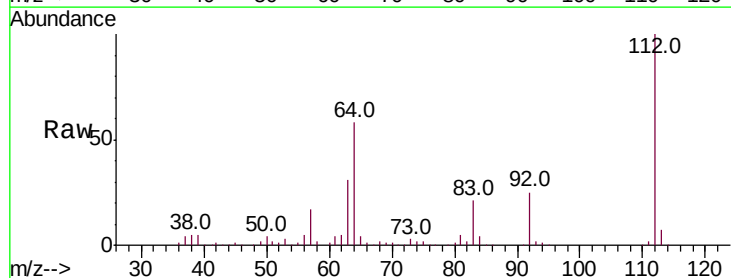
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



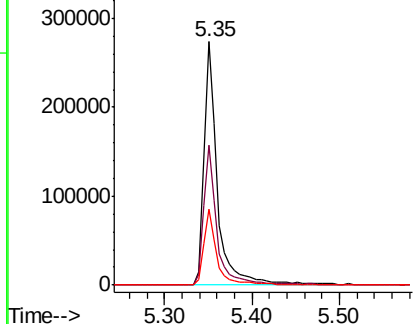
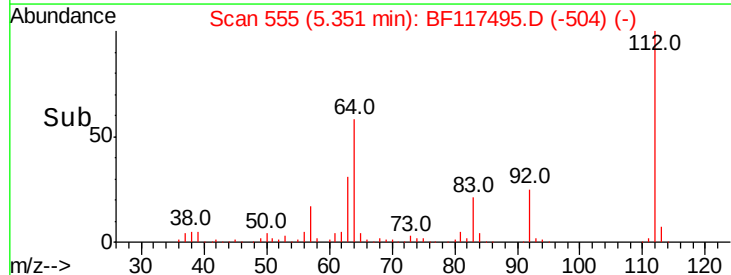
#5

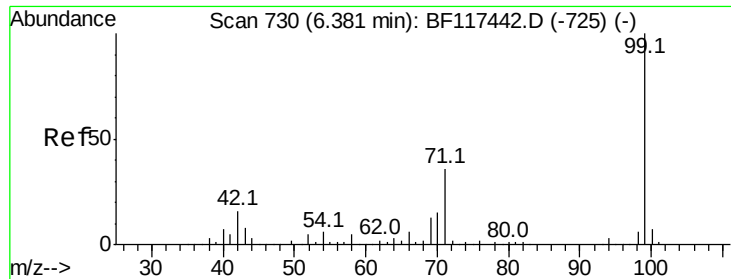
2-Fluorophenol
Concen: 105.757 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117495.D
Acq: 23 Oct 2019 20:44

Tgt Ion:112 Resp: 295297
Ion Ratio Lower Upper
112 100
64 57.7 44.1 66.1
63 31.0 23.4 35.2



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: 108.734 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117495.D

Acq: 23 Oct 2019 20:44

Instrument :

BNA_F

ClientSampled :

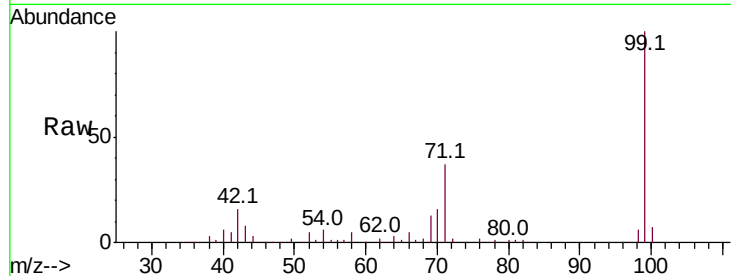
Tot Ion: 99 Resp: 407783

Ion Ratio Lower Upper

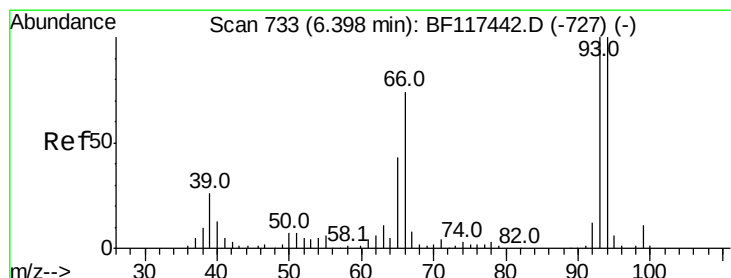
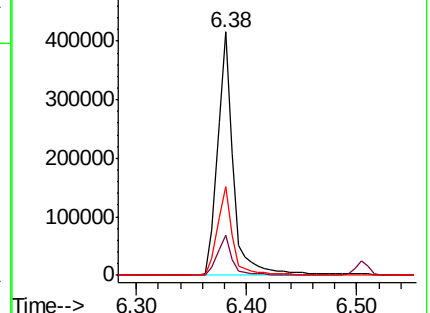
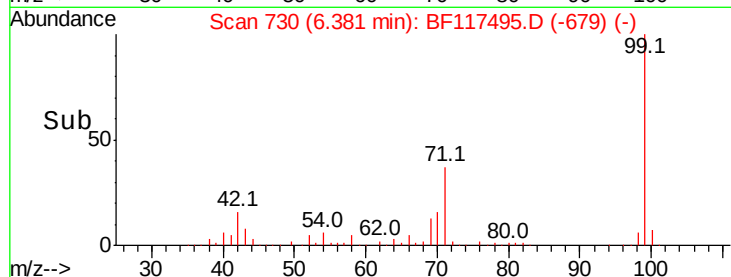
99 100

42 16.4 12.8 19.2

71 36.5 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



#10

Phenol

Concen: 2.238 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF117495.D

Acq: 23 Oct 2019 20:44

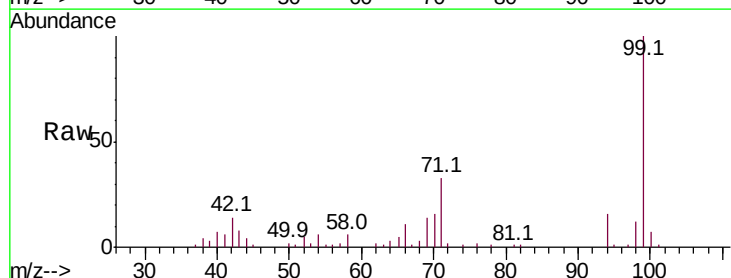
Tgt Ion: 94 Resp: 8565

Ion Ratio Lower Upper

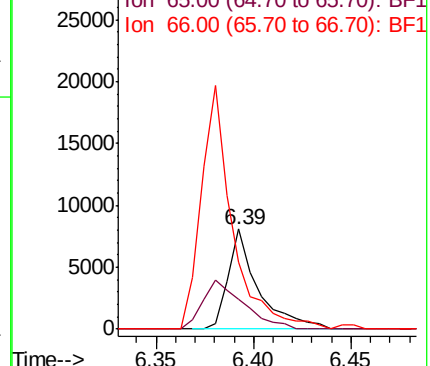
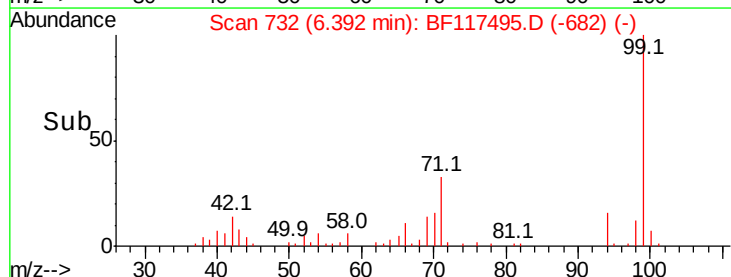
94 100

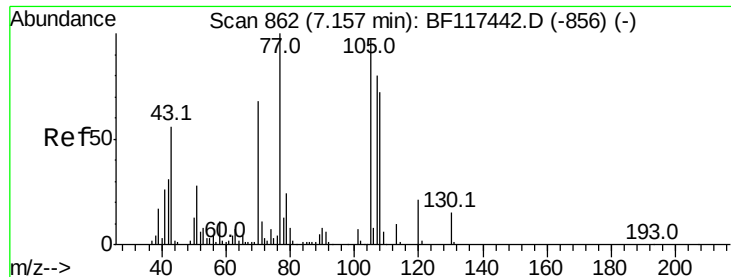
65 29.9 23.4 63.4

66 67.7 54.7 94.7



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

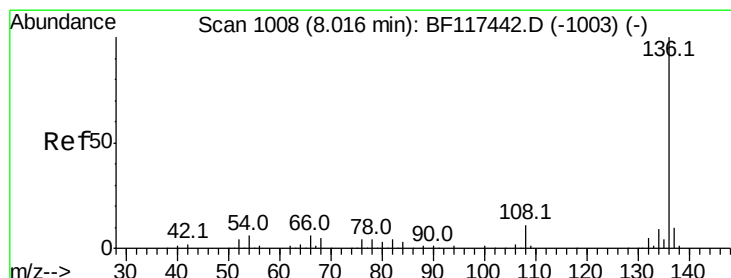
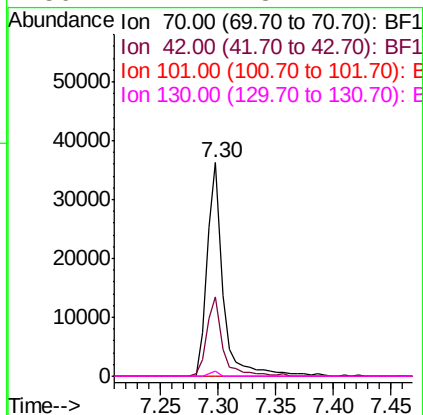
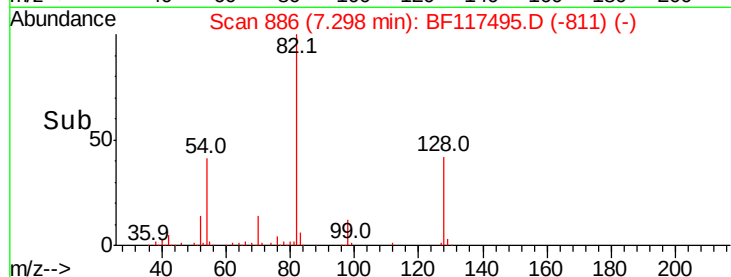
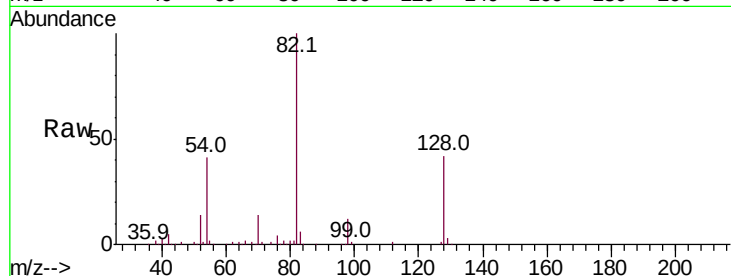




#19
n-Nitroso-di-n-propylamine
Concen: 15.376 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117495.D
Acq: 23 Oct 2019 20:44

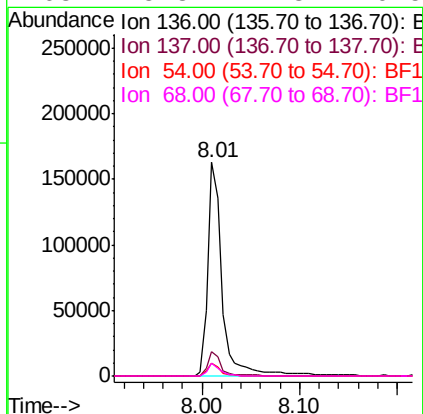
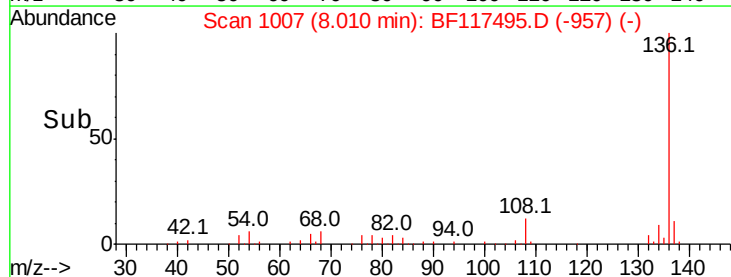
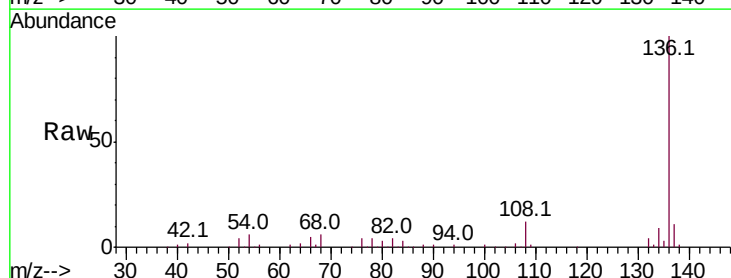
Instrument :
BNA_F
ClientSampleId :

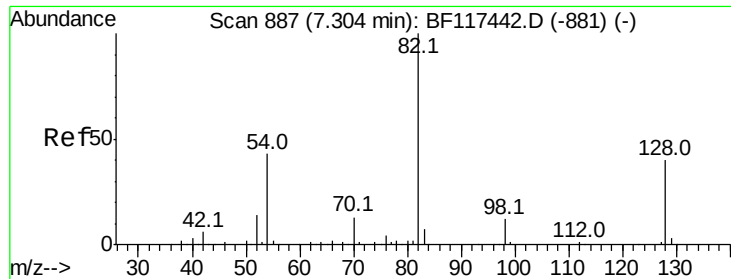
Tot Ion: 70 Resp: 35216
Ion Ratio Lower Upper
70 100
42 37.4 36.7 55.1
101 0.0 8.3 12.5#
130 2.2 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117495.D
Acq: 23 Oct 2019 20:44

Tgt Ion:136 Resp: 167477
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.4
54 5.8 4.5 6.7
68 5.8 4.3 6.5

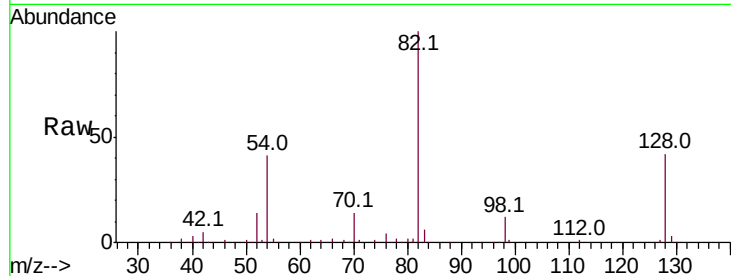




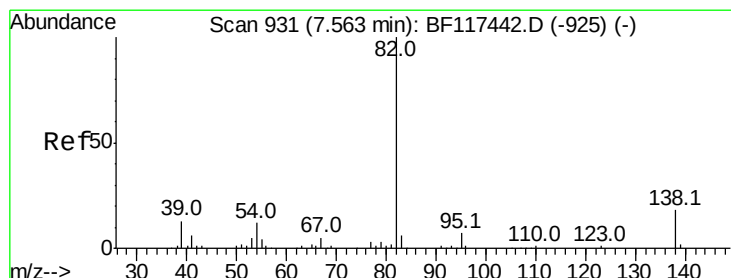
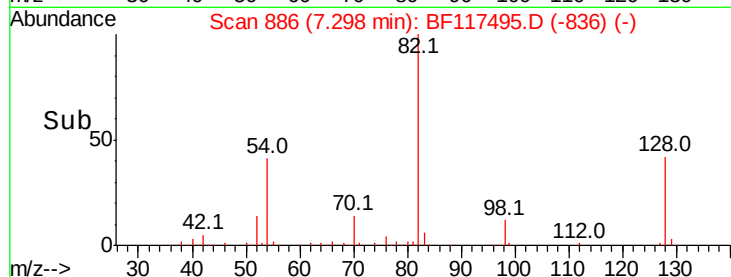
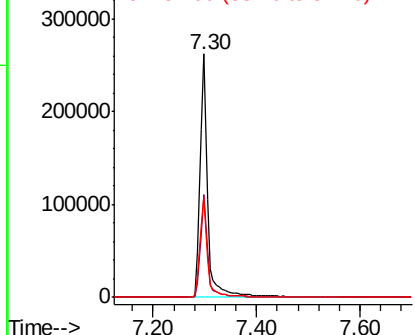
#23
Nitrobenzene-d5
Concen: 77.712 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117495.D
Acq: 23 Oct 2019 20:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.5	32.2	48.2
54	41.0	34.2	51.2

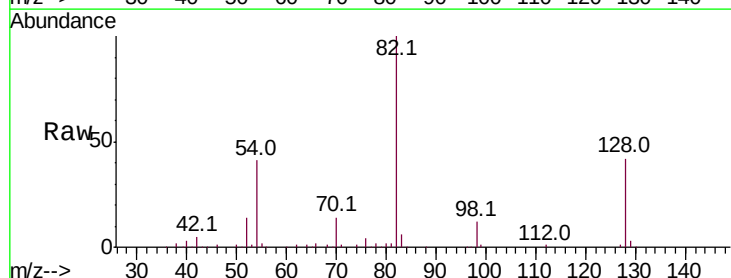


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

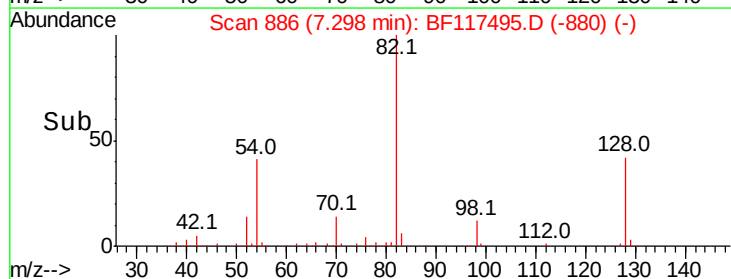
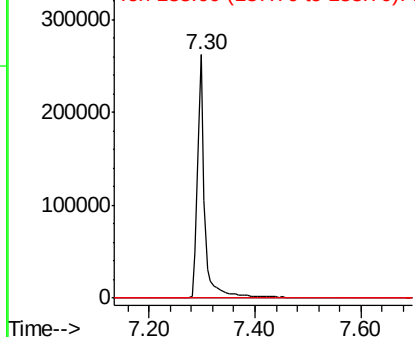


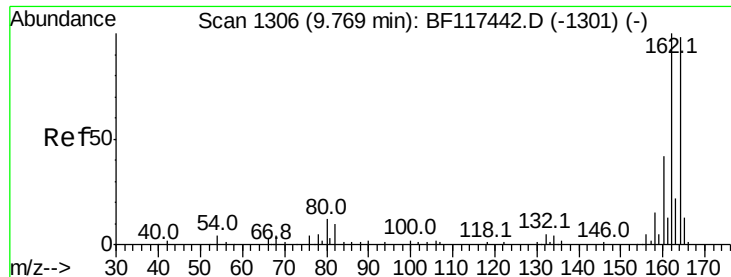
#25
Isophorone
Concen: 44.922 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF117495.D
Acq: 23 Oct 2019 20:44

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#



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

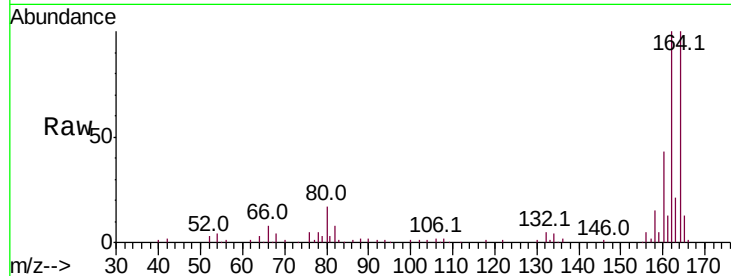




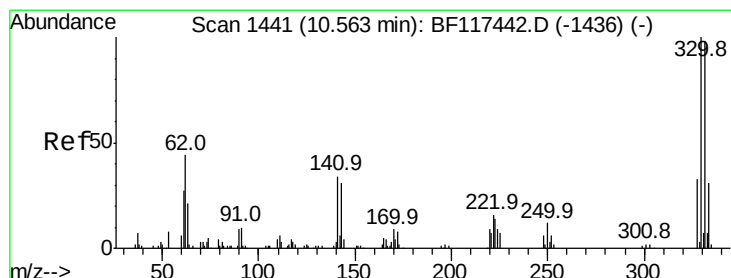
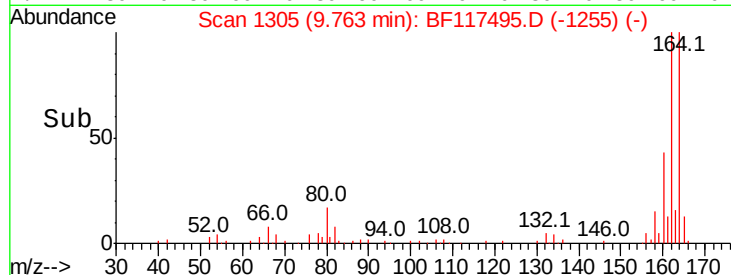
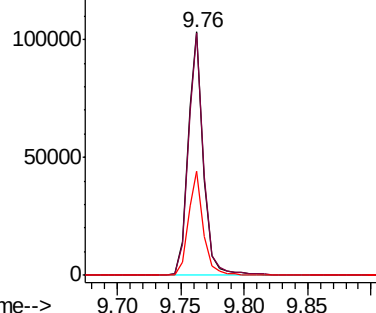
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117495.D
Acq: 23 Oct 2019 20:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 87691
Ion Ratio Lower Upper
164 100
162 99.6 81.8 122.6
160 42.6 34.4 51.6

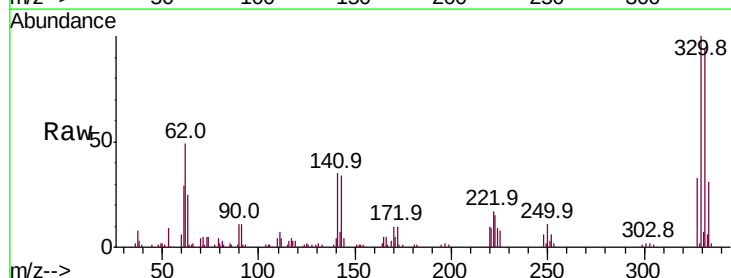


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

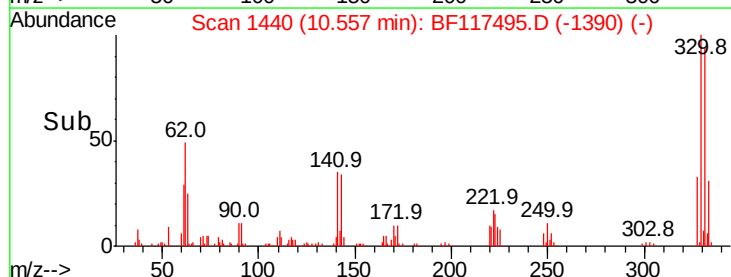
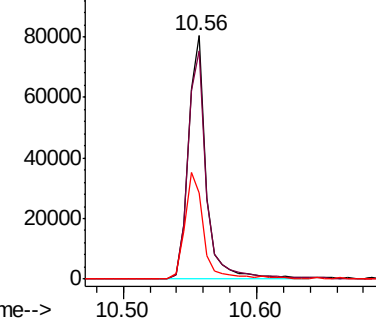


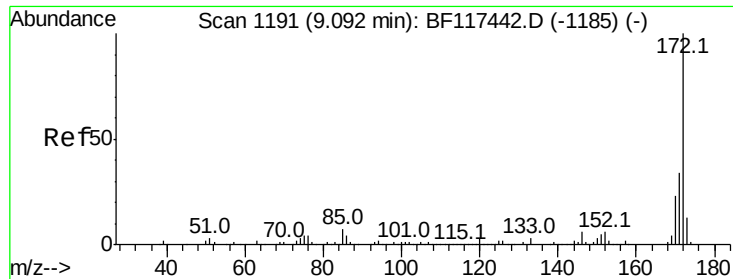
#42
2,4,6-Tribromophenol
Concen: 100.512 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117495.D
Acq: 23 Oct 2019 20:44

Tgt Ion:330 Resp: 76264
Ion Ratio Lower Upper
330 100
332 97.7 78.5 117.7
141 46.4 37.0 55.6



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

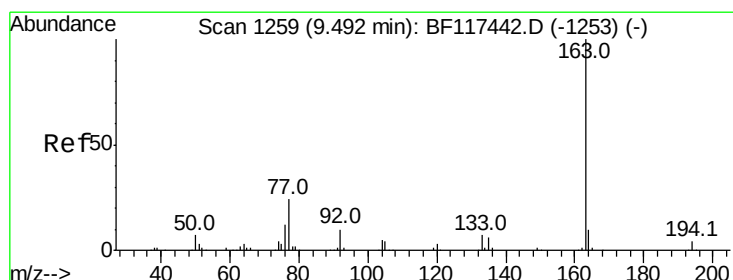
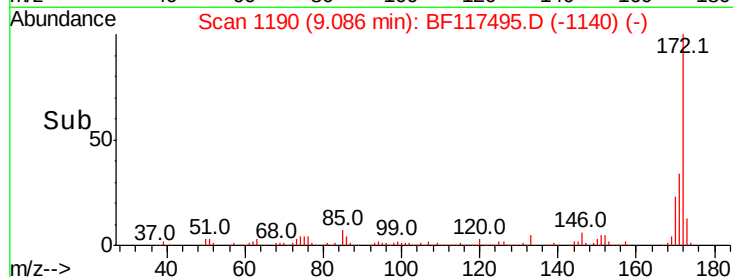
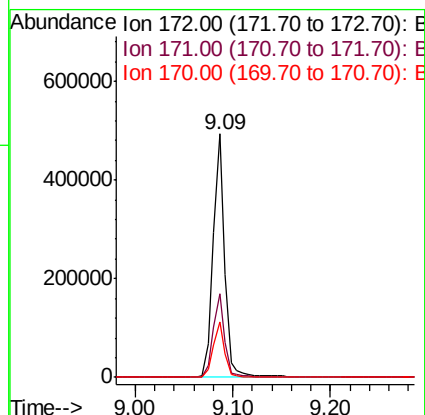
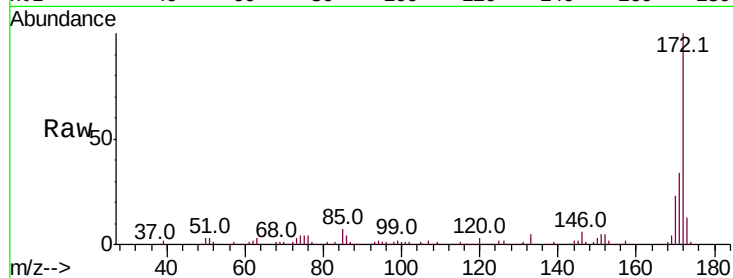




#45
2-Fluorobiphenyl
Concen: 65.729 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117495.D
Acq: 23 Oct 2019 20:44

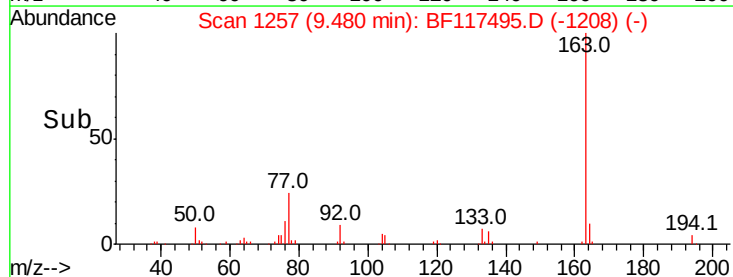
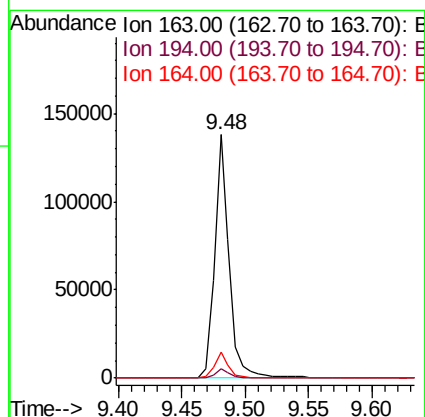
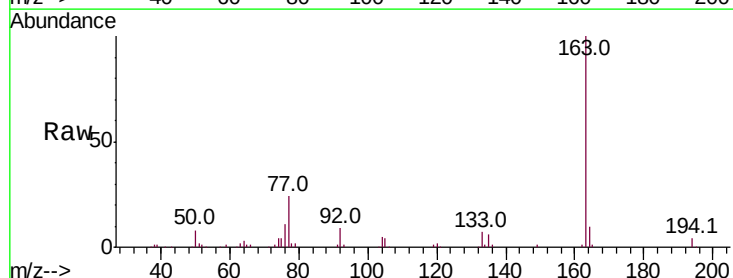
Instrument :
BNA_F
ClientSampleId :

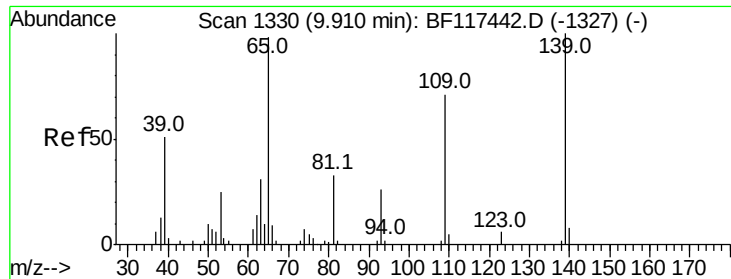
Tot Ion:172 Resp: 409079
Ion Ratio Lower Upper
172 100
171 34.3 27.5 41.3
170 22.9 18.6 27.8



#50
Dimethylphthalate
Concen: 17.863 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117495.D
Acq: 23 Oct 2019 20:44

Tgt Ion:163 Resp: 111671
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 10.4 8.2 12.2

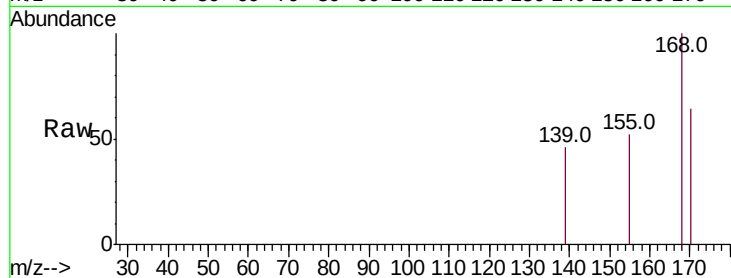




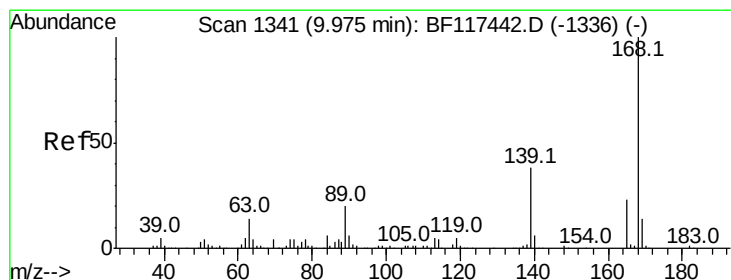
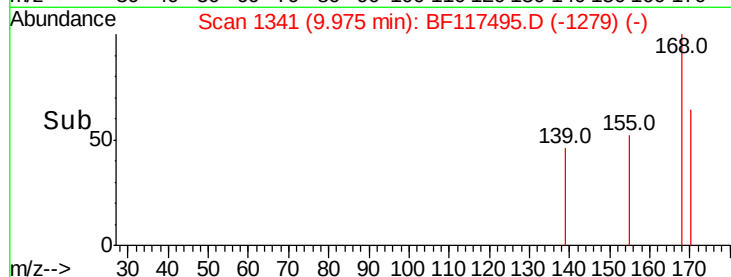
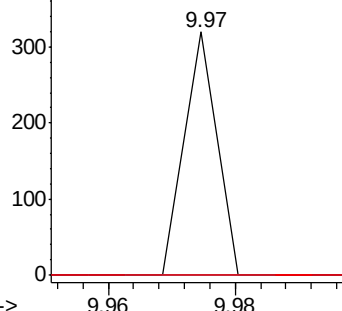
#56
4-Nitrophenol
Concen: 4.277 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117495.D
Acq: 23 Oct 2019 20:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 113
Ion Ratio Lower Upper
139 100
109 0.0 51.4 91.4#
65 0.0 79.4 119.4#

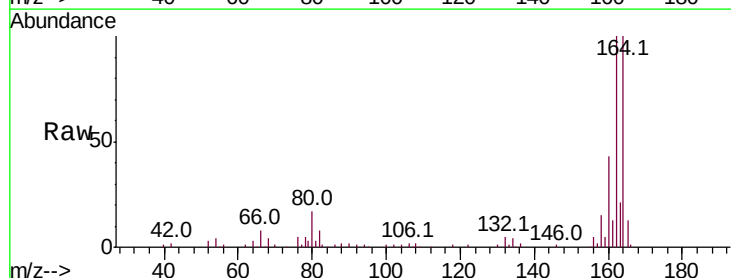


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

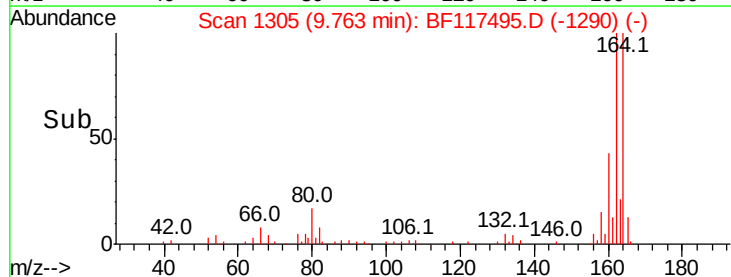
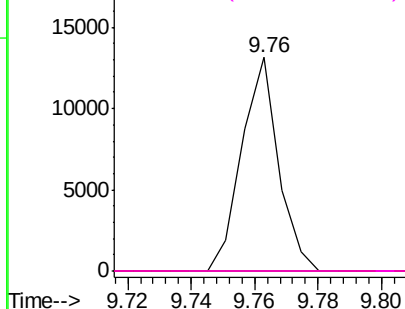


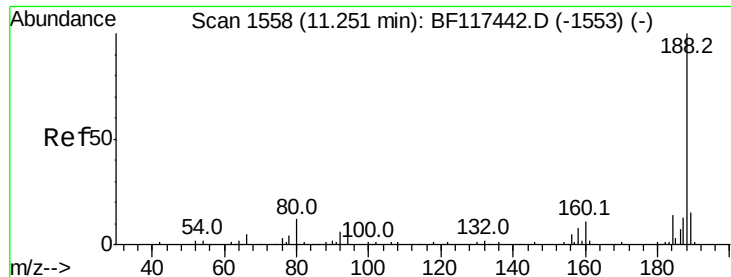
#57
2,4-Dinitrotoluene
Concen: 6.092 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117495.D
Acq: 23 Oct 2019 20:44

Tgt Ion:165 Resp: 10566
Ion Ratio Lower Upper
165 100
63 0.0 51.4 77.0#
89 0.0 69.9 104.9#
182 0.0 1.9 2.9#



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: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF117495.D

Acq: 23 Oct 2019 20:44

Instrument :

BNA_F

ClientSampleId :

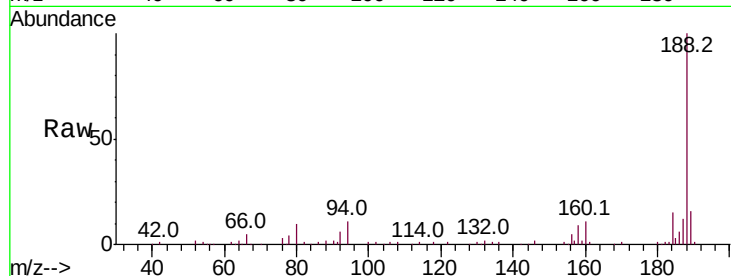
Tot Ion:188 Resp: 139118

Ion Ratio Lower Upper

188 100

94 11.0 8.0 12.0

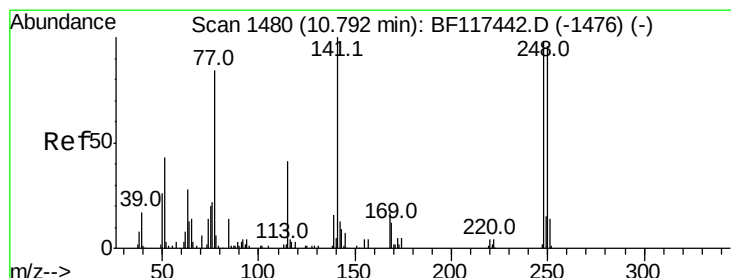
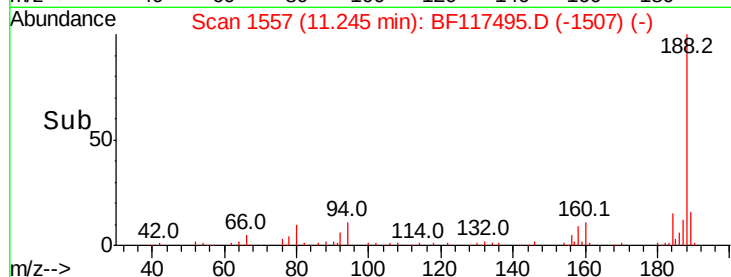
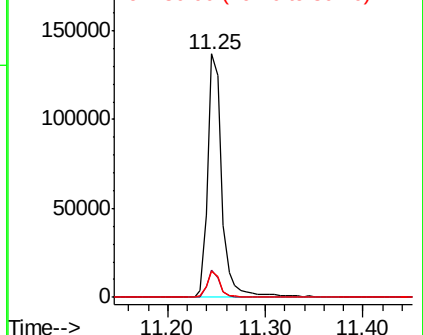
80 10.5 9.5 14.3



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: 3.380 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117495.D

Acq: 23 Oct 2019 20:44

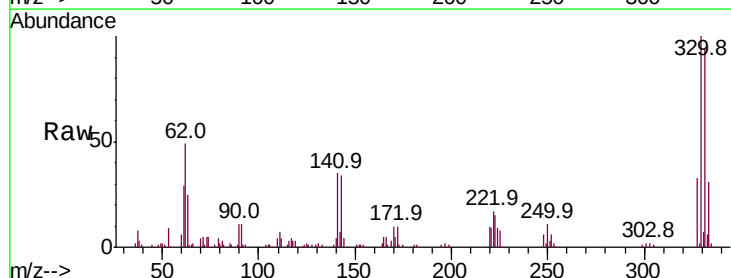
Tgt Ion:248 Resp: 5065

Ion Ratio Lower Upper

248 100

250 175.3 78.0 117.0#

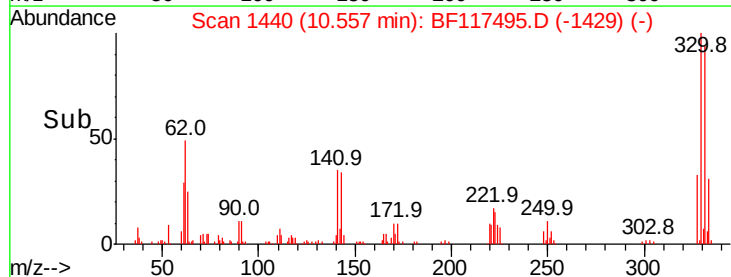
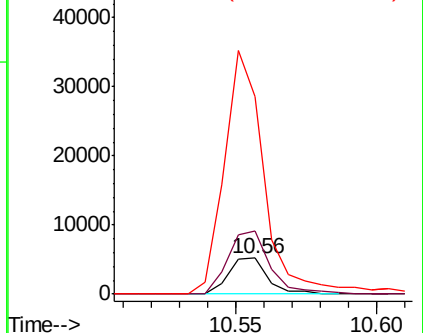
141 546.3 81.7 122.5#

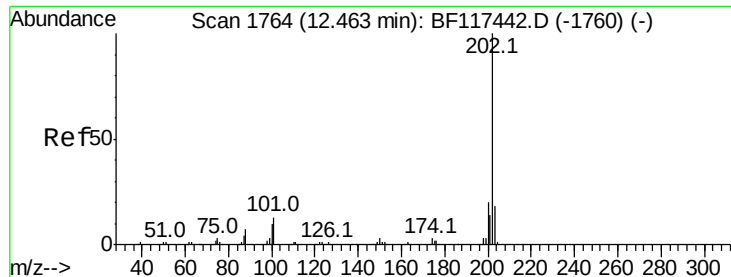


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.721 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117495.D

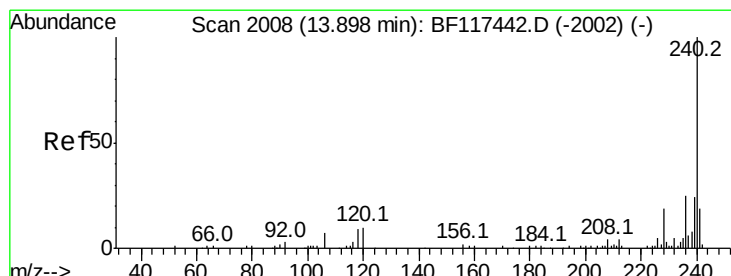
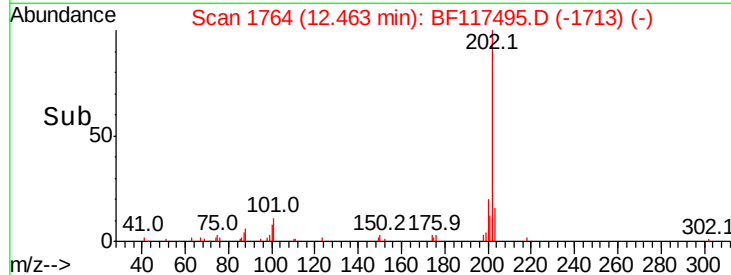
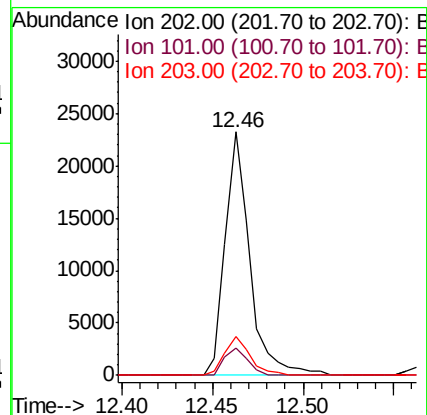
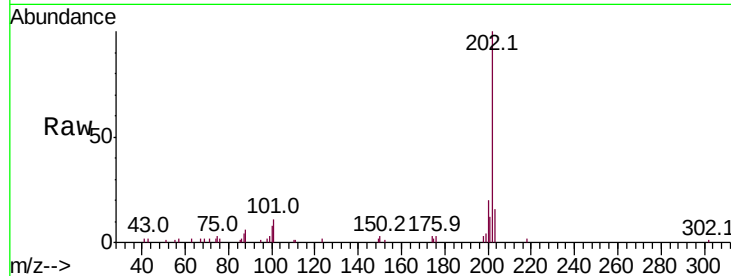
Acq: 23 Oct 2019 20:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	22005
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	32.7
203	16.0	0.0	37.6



#76

Chrysene-d12

Concen: 20.000 ng

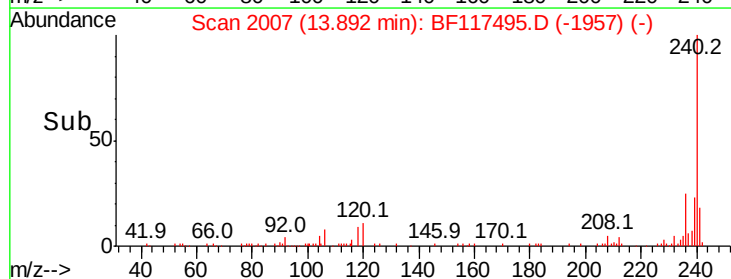
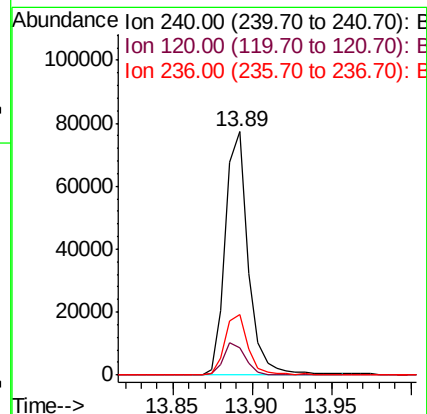
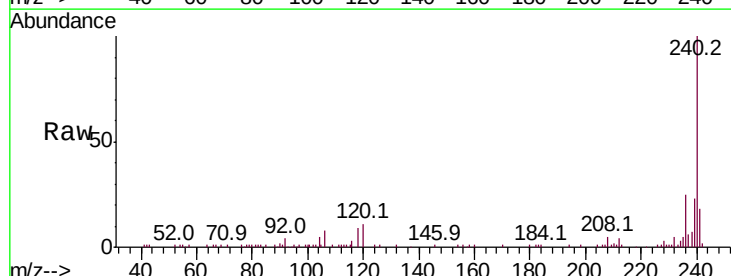
RT: 13.89 min Scan# 2007

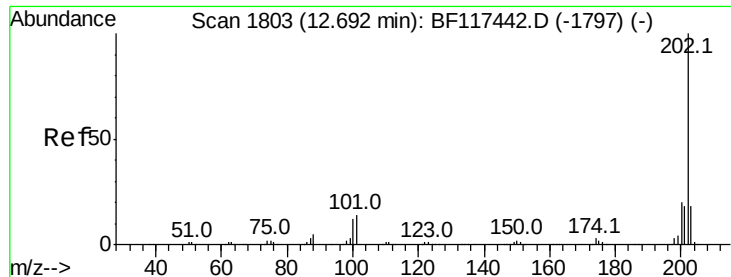
Delta R.T. -0.01 min

Lab File: BF117495.D

Acq: 23 Oct 2019 20:44

Tgt Ion:	240	Resp:	77987
Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.4	12.6
236	25.1	20.0	30.0





#78

Pvrene

Concen: 2.895 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117495.D

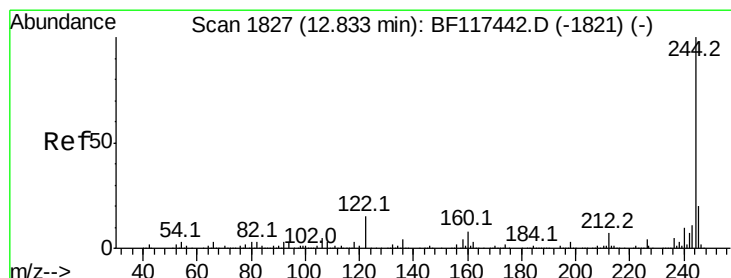
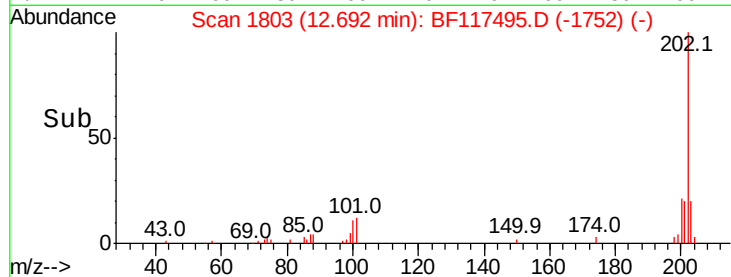
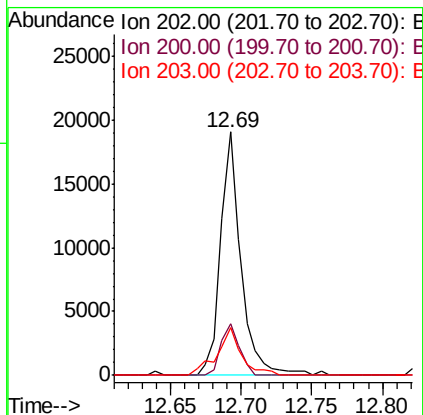
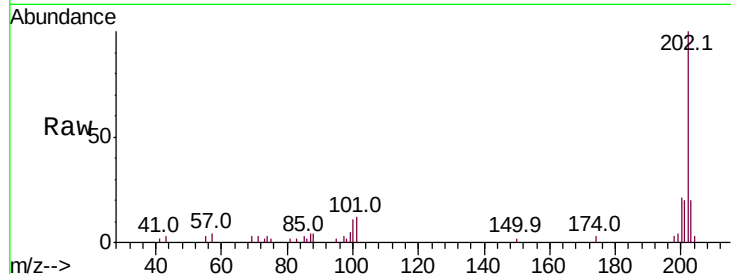
Acq: 23 Oct 2019 20:44

Instrument :

BNA_F

ClientSampled :

Tot Ion:	202	Resp:	19393
Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.2	24.2
203	19.7	14.0	21.0



#79

Terphenyl-d14

Concen: 69.585 ng

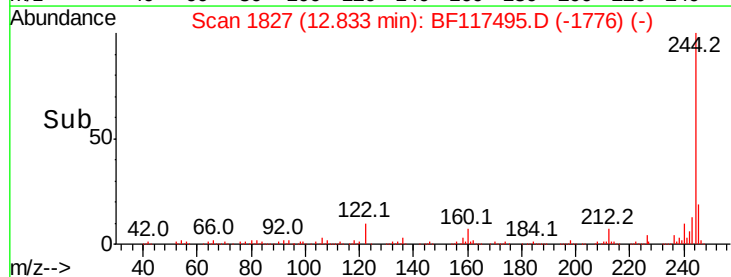
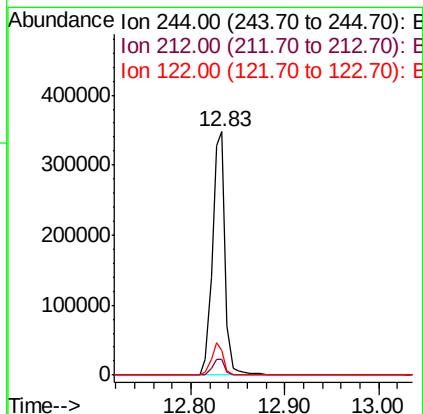
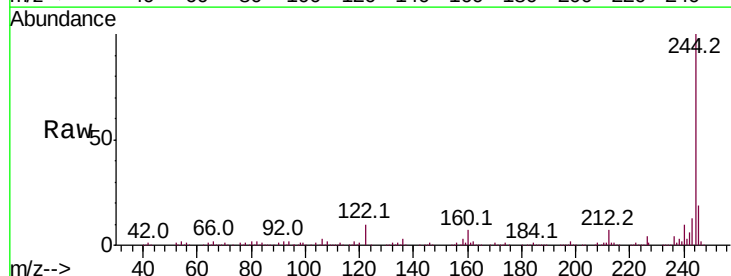
RT: 12.83 min Scan# 1827

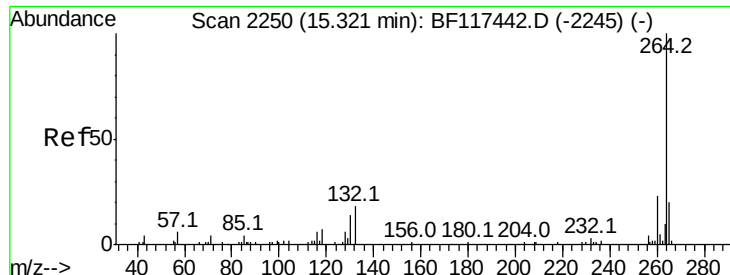
Delta R.T. -0.00 min

Lab File: BF117495.D

Acq: 23 Oct 2019 20:44

Tgt Ion:	244	Resp:	332698
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	10.3	11.8	17.8#



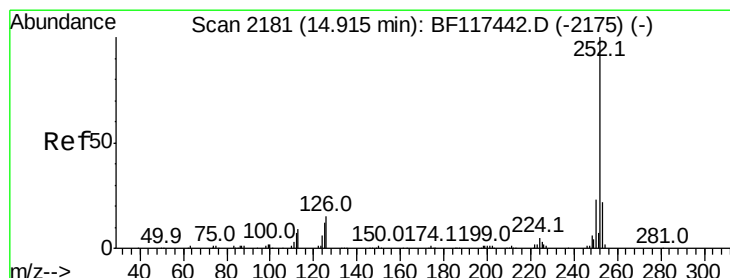
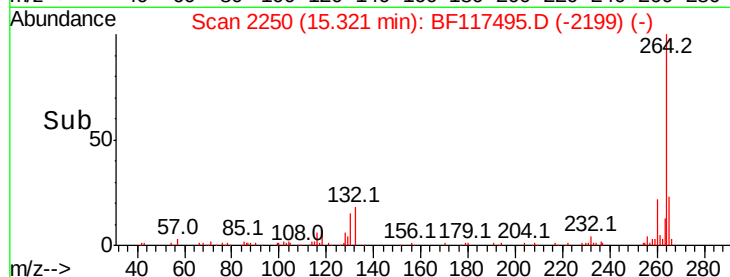
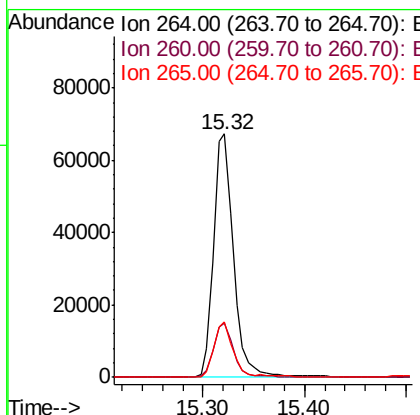
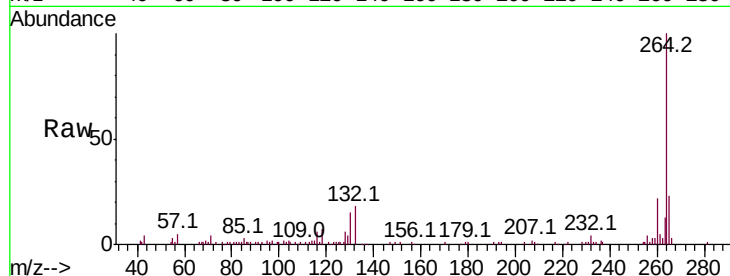


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF117495.D
Acq: 23 Oct 2019 20:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 91833

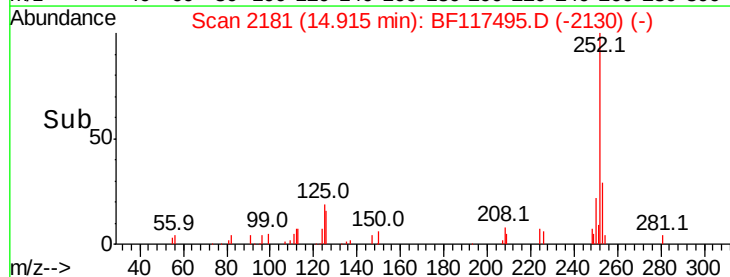
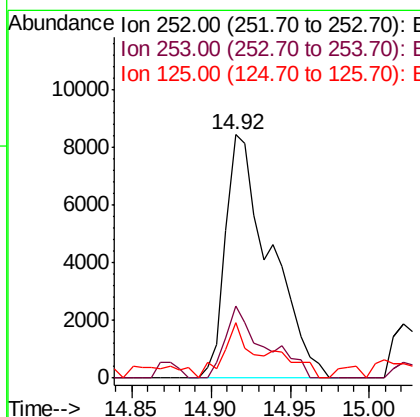
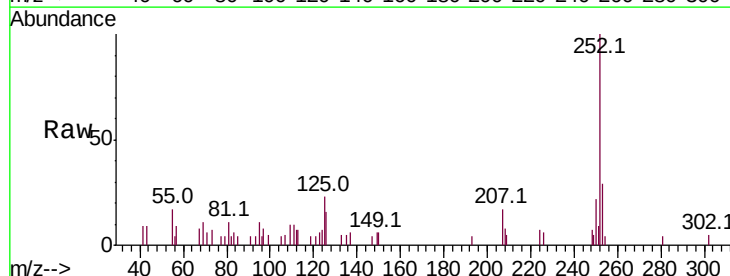
Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.4	27.6
265	23.0	16.1	24.1

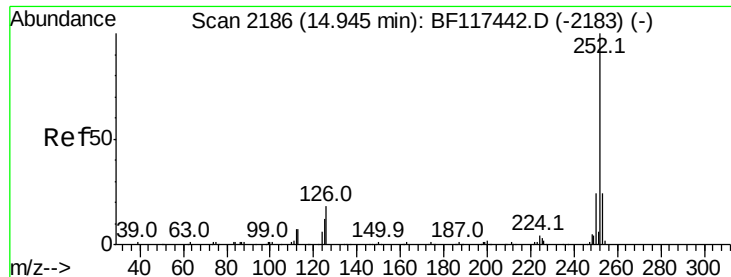


#88
Benzo(b)fluoranthene
Concen: 3.059 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.00 min
Lab File: BF117495.D
Acq: 23 Oct 2019 20:44

Tgt Ion:252 Resp: 16588

Ion	Ratio	Lower	Upper
252	100		
253	29.4	17.8	26.6#
125	22.6	9.9	14.9#





#89

Benzo(k)fluoranthene

Concen: 2.984 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.03 min

Lab File: BF117495.D

Acq: 23 Oct 2019 20:44

Instrument :

BNA_F

ClientSampleId :

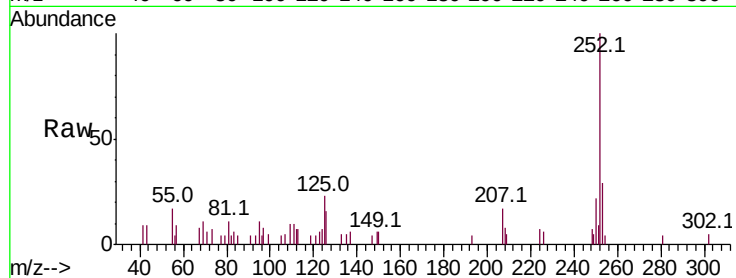
Tot Ion:252 Resp: 16588

Ion Ratio Lower Upper

252 100

253 29.4 18.0 27.0#

125 22.6 8.9 13.3#



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

