

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
 Data File : BF117498.D
 Acq On : 23 Oct 2019 22:04
 Operator : JU
 Sample : K5494-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 24 08:25:27 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	42671	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	170137	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	87438	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	136149	20.00	ng	0.00
76) Chrysene-d12	13.89	240	81186	20.00	ng	0.00
87) Perylene-d12	15.32	264	91547	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	256565	89.45	ng	0.00
7) Phenol-d6	6.38	99	363164	94.27	ng	0.00
23) Nitrobenzene-d5	7.30	82	231005	67.03	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	66973	88.52	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	371614	59.88	ng	0.00
79) Terphenyl-d14	12.83	244	289628	58.19	ng	0.00

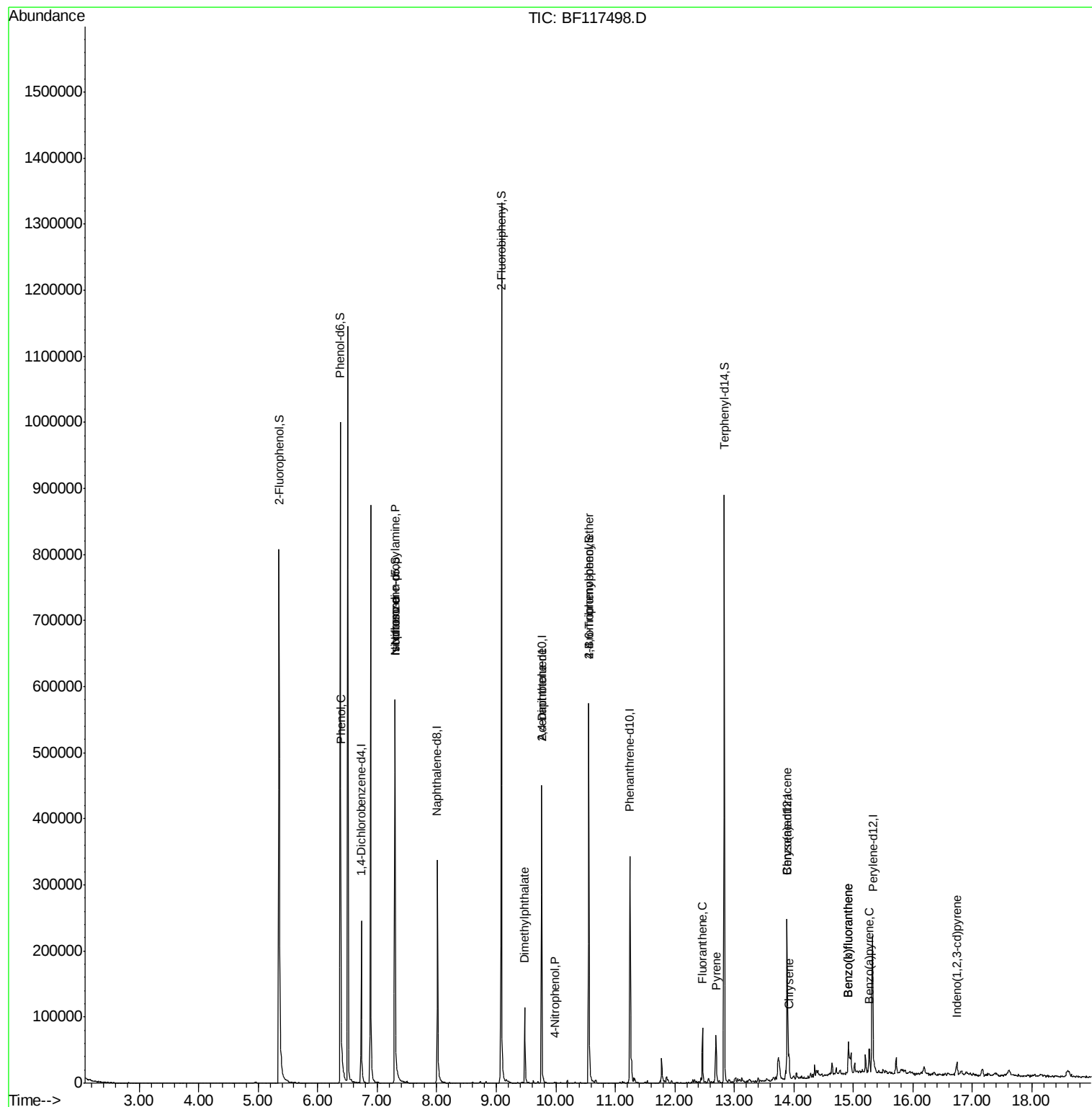
Target Compounds				Qvalue		
9) Benzaldehyde	6.38	77	342	Below Cal	#	3
10) Phenol	6.39	94	8435	2.145	ng	97
19) n-Nitroso-di-n-propylamine	7.30	70	30263	12.863	ng	# 76
25) Isophorone	7.30	82	231004	38.747	ng	# 65
50) Dimethylphthalate	9.48	163	45915	7.366	ng	100
56) 4-Nitrophenol	9.98	139	126	4.295	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	10576	6.115	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	4053	2.764	ng	# 1
75) Fluoranthene	12.46	202	35292	4.459	ng	98
77) Benzidine	12.83	184	4167	Below Cal	#	90
78) Pyrene	12.69	202	32310	4.633	ng	98
81) Benzo(a)anthracene	13.88	228	18530	3.384	ng	98
83) Chrysene	13.92	228	16347	3.046	ng	94
86) Indeno(1,2,3-cd)pyrene	16.73	276	9441	2.356	ng	94
88) Benzo(b)fluoranthene	14.92	252	33229	6.147	ng	97
89) Benzo(k)fluoranthene	14.92	252	33229	5.997	ng	96
90) Benzo(a)pyrene	15.27	252	18886	3.842	ng	# 93

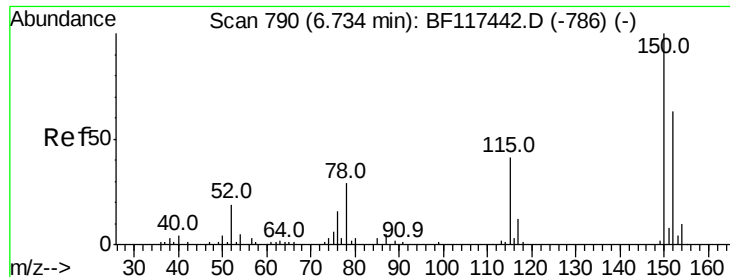
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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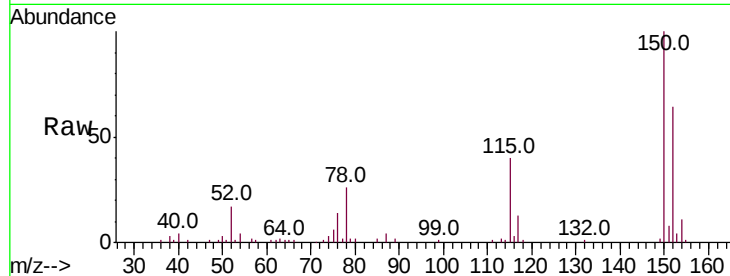


#1

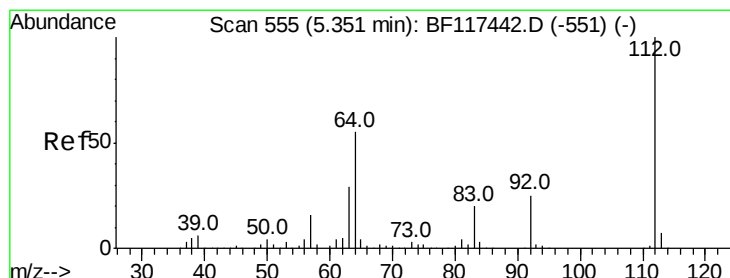
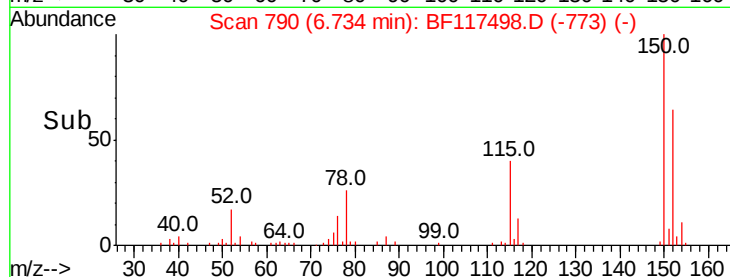
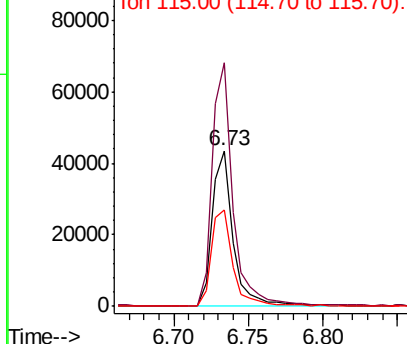
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 42671
Ion Ratio Lower Upper
152 100
150 156.3 126.8 190.2
115 61.9 51.6 77.4



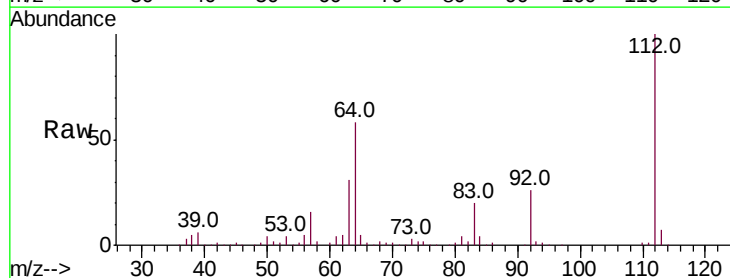
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



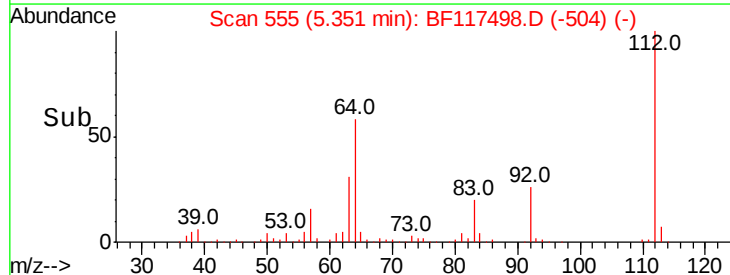
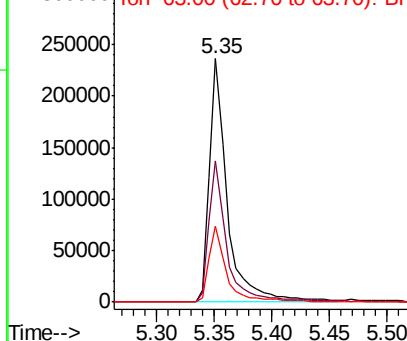
#5

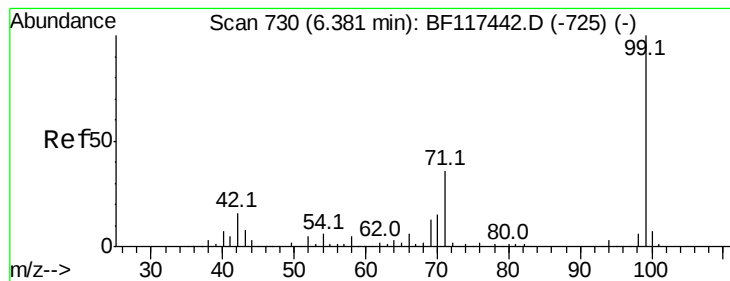
2-Fluorophenol
Concen: 89.450 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Tgt Ion:112 Resp: 256565
Ion Ratio Lower Upper
112 100
64 57.8 44.1 66.1
63 30.9 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: 94.270 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117498.D

Acq: 23 Oct 2019 22:04

Instrument :

BNA_F

ClientSampled :

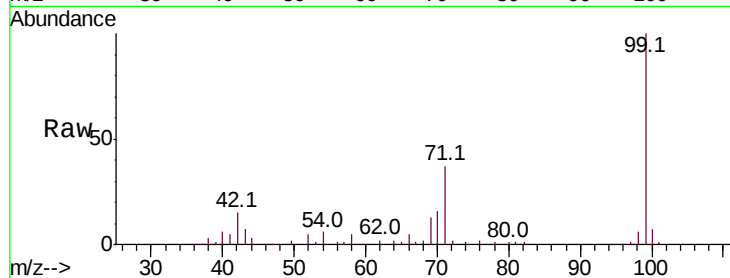
Tot Ion: 99 Resp: 363164

Ion Ratio Lower Upper

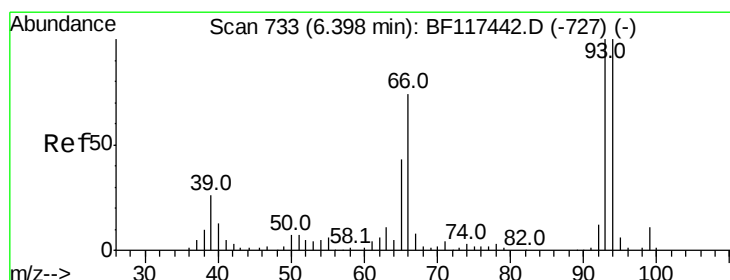
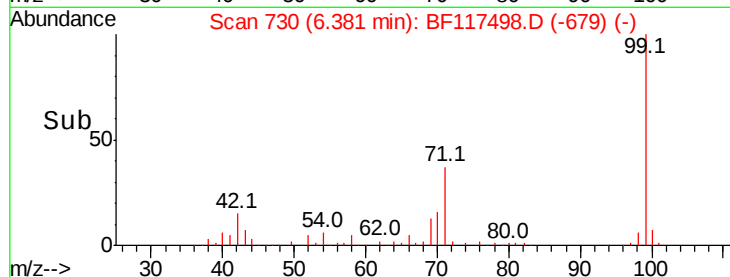
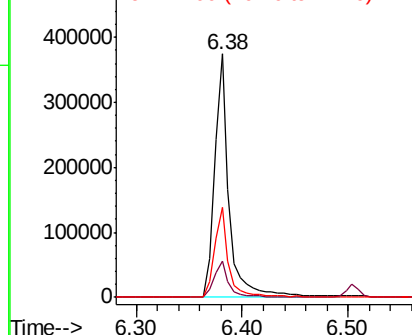
99 100

42 15.1 12.8 19.2

71 36.7 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



#10

Phenol

Concen: 2.145 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF117498.D

Acq: 23 Oct 2019 22:04

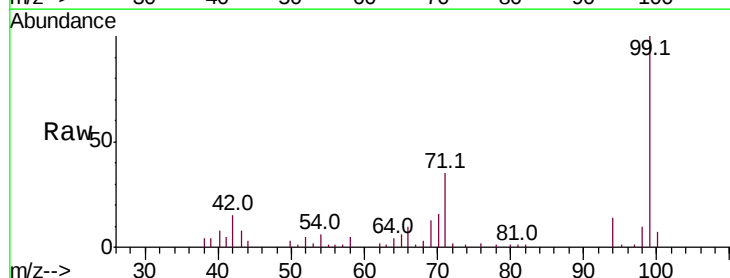
Tgt Ion: 94 Resp: 8435

Ion Ratio Lower Upper

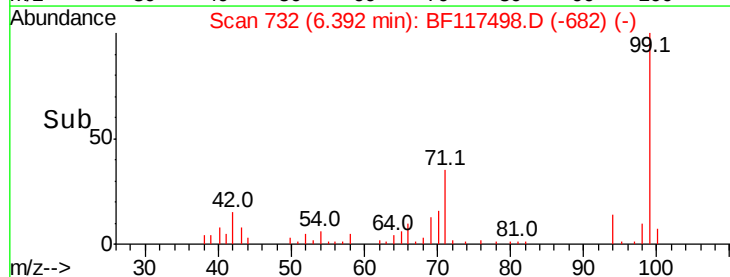
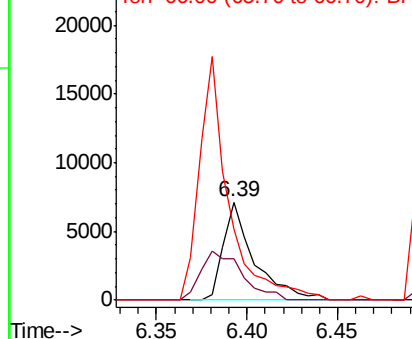
94 100

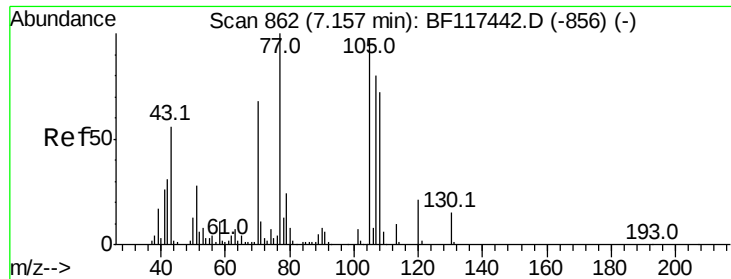
65 42.0 23.4 63.4

66 71.7 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

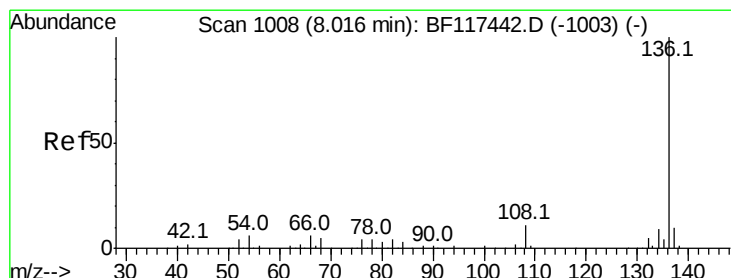
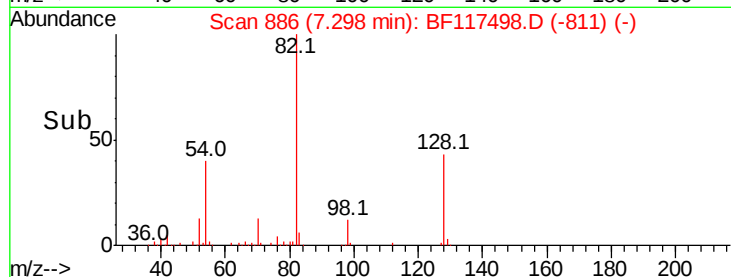
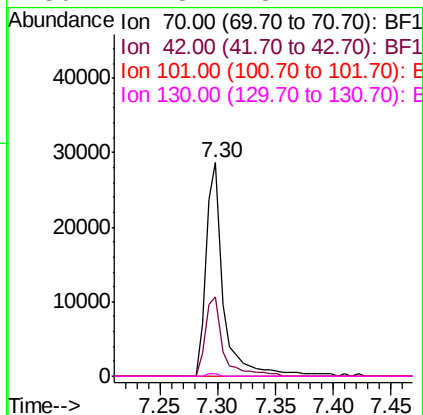
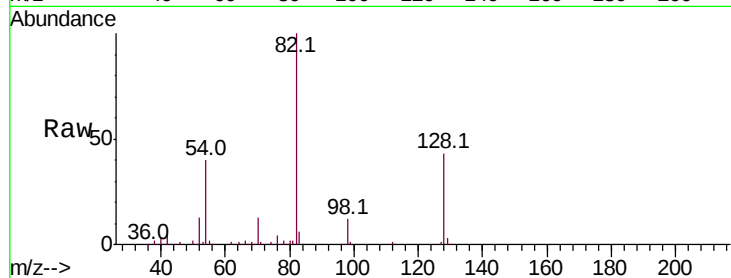




#19
n-Nitroso-di-n-propylamine
Concen: 12.863 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

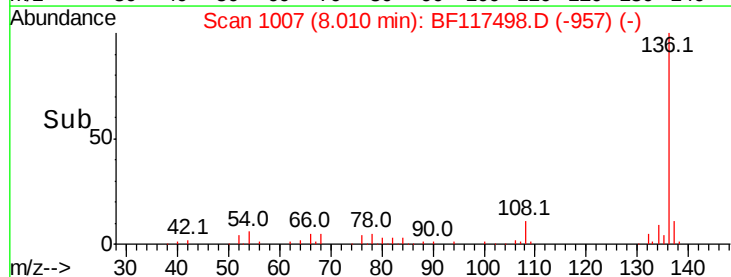
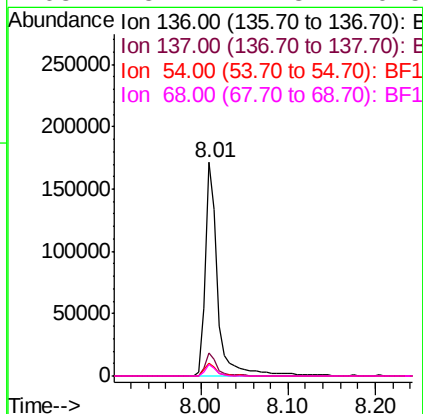
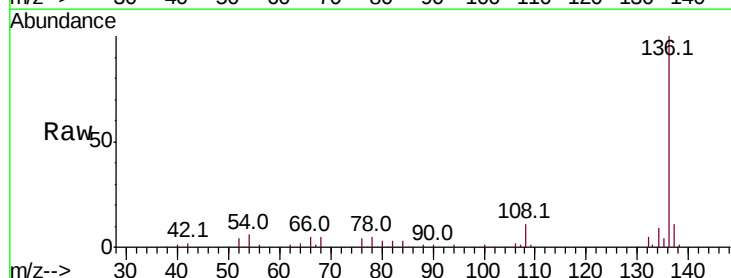
Instrument :
BNA_F
ClientSampleId :

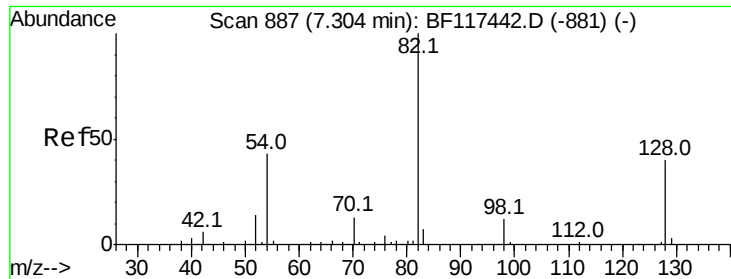
Tot Ion: 70 Resp: 30263
Ion Ratio Lower Upper
70 100
42 36.9 36.7 55.1
101 0.0 8.3 12.5#
130 1.3 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Tgt Ion:136 Resp: 170137
Ion Ratio Lower Upper
136 100
137 10.5 8.2 12.4
54 5.9 4.5 6.7
68 5.1 4.3 6.5

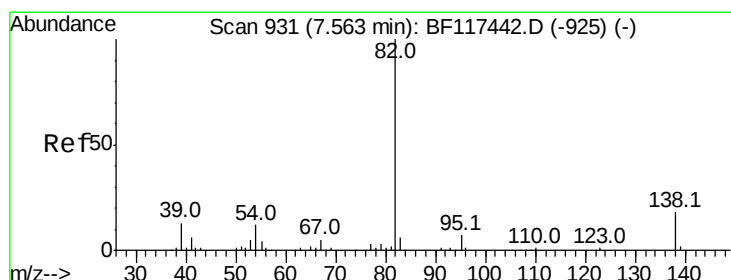
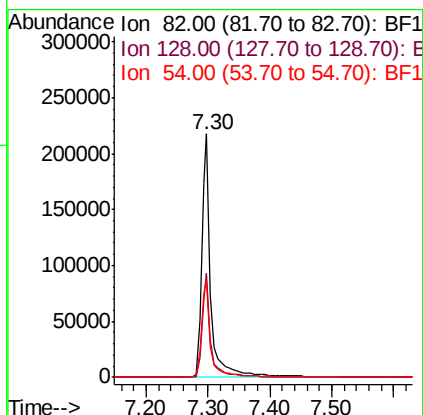
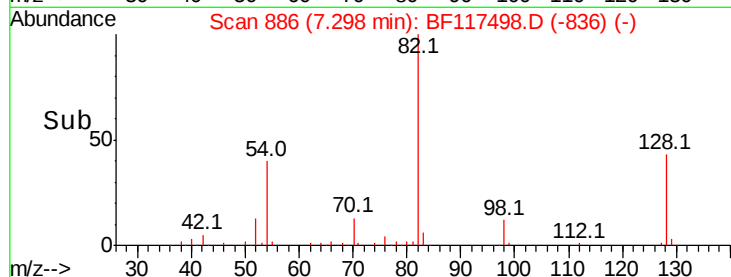
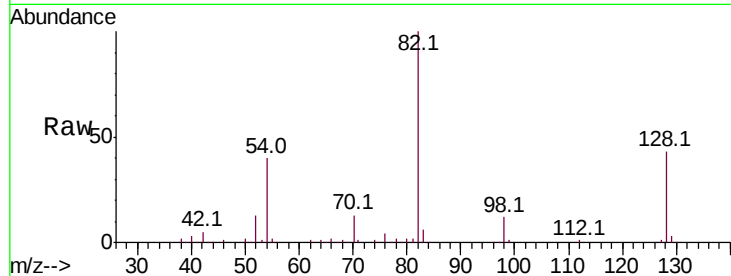




#23
 Nitrobenzene-d5
 Concen: 67.030 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

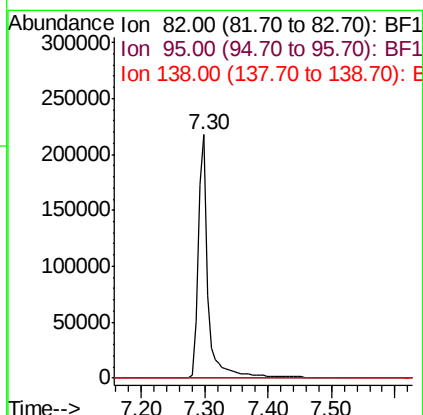
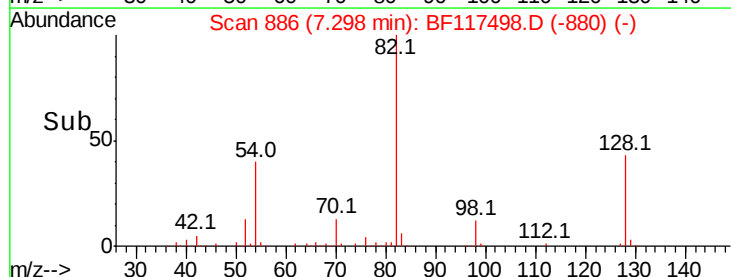
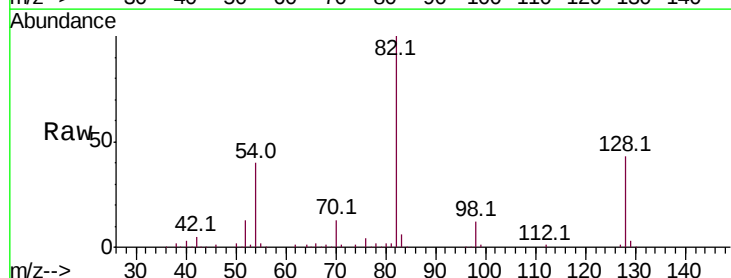
Instrument :
 BNA_F
 ClientSampled :

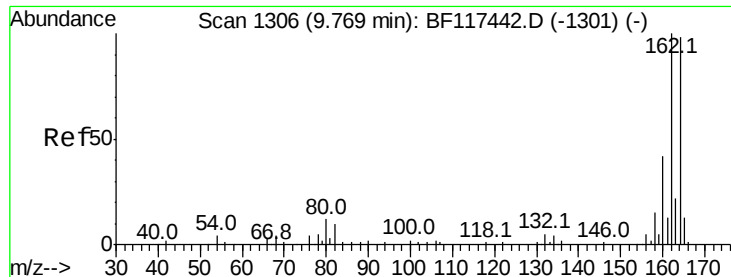
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.5	32.2	48.2
54	40.3	34.2	51.2



#25
 Isophorone
 Concen: 38.747 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.26 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

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

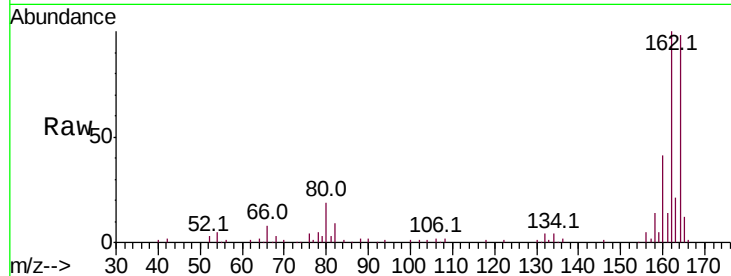




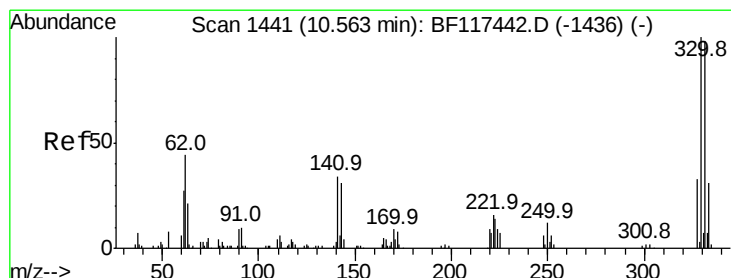
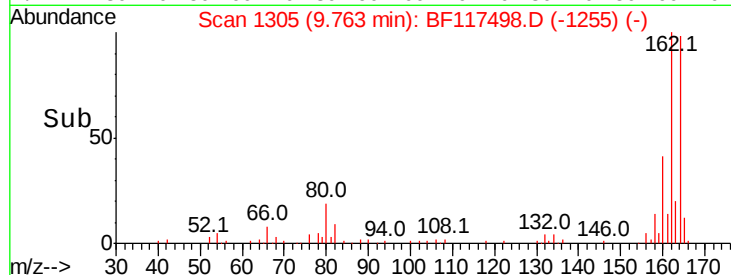
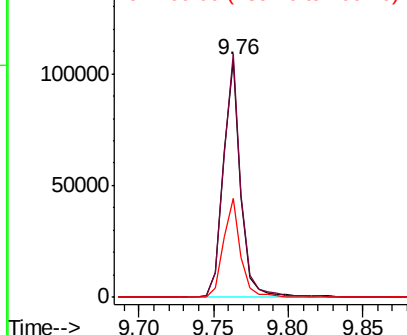
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 87438
 Ion Ratio Lower Upper
 164 100
 162 102.5 81.8 122.6
 160 41.6 34.4 51.6

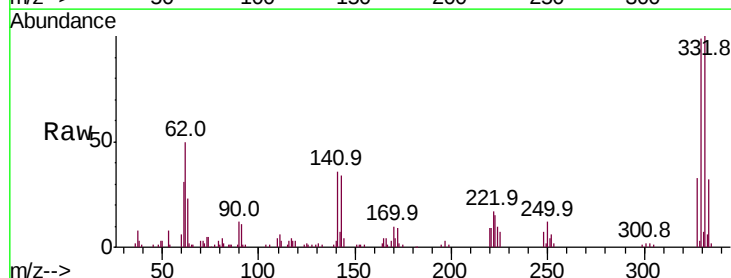


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

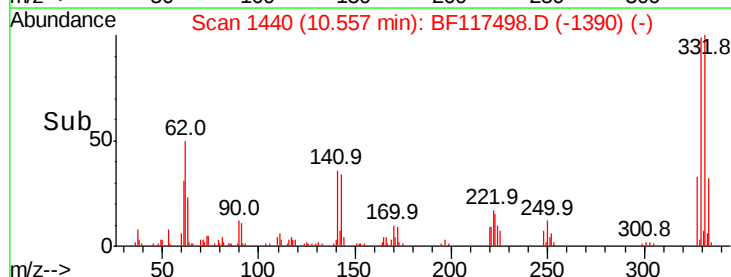
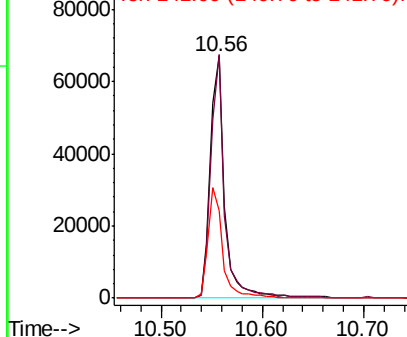


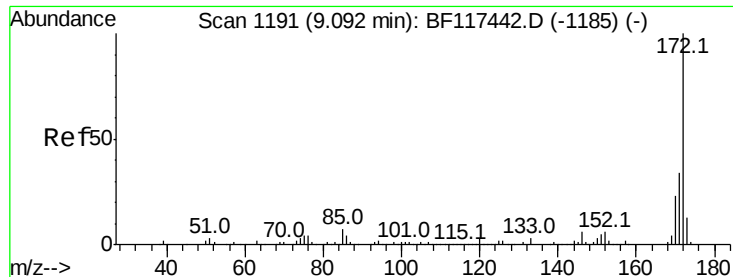
#42
 2,4,6-Tribromophenol
 Concen: 88.523 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

Tgt Ion:330 Resp: 66973
 Ion Ratio Lower Upper
 330 100
 332 95.4 78.5 117.7
 141 45.1 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



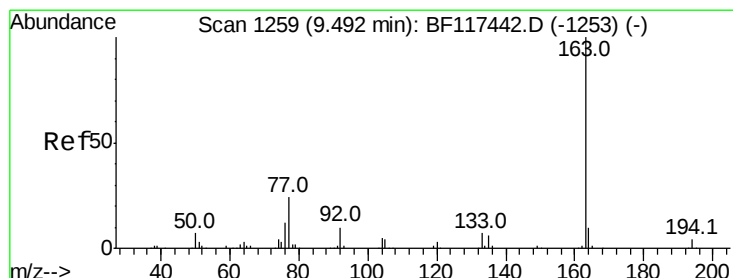
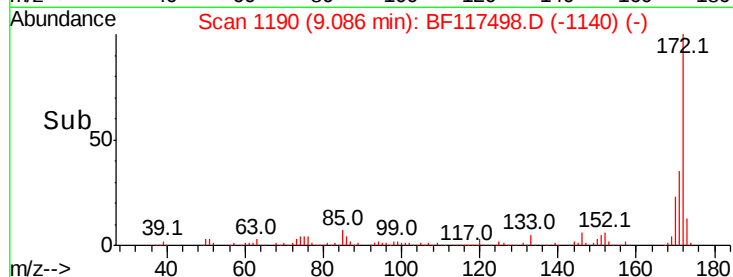
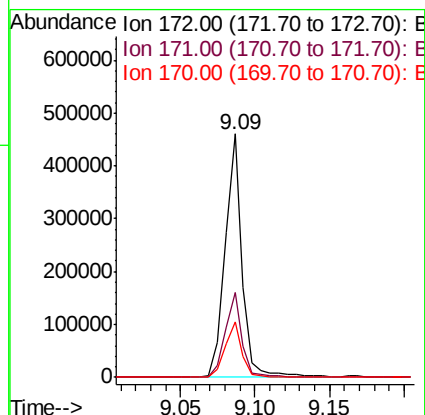
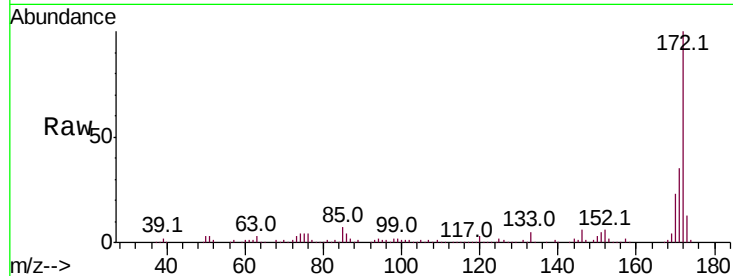


#45
 2-Fluorobiphenyl
 Concen: 59.882 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 371614

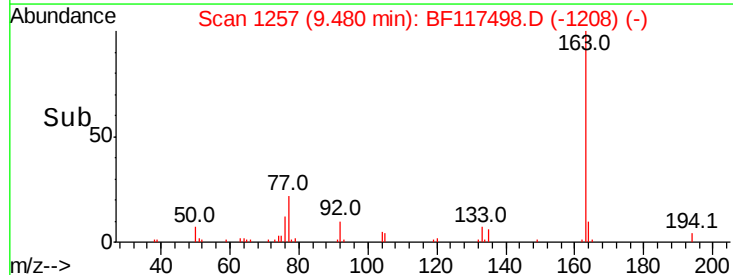
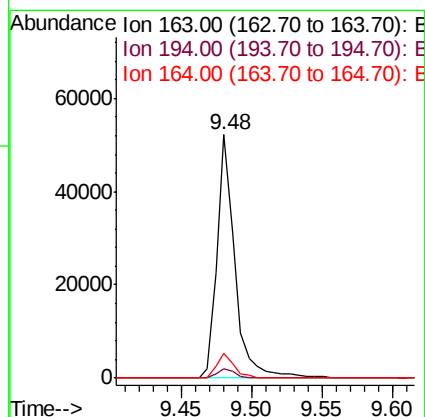
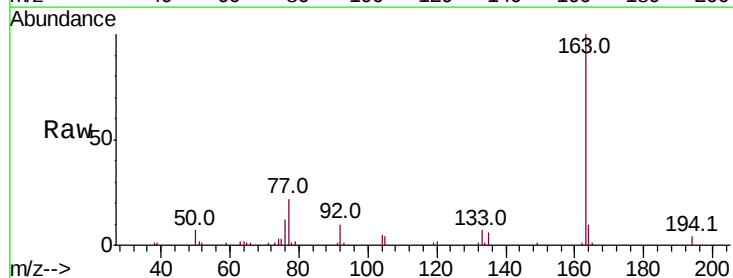
Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.5	41.3
170	22.7	18.6	27.8

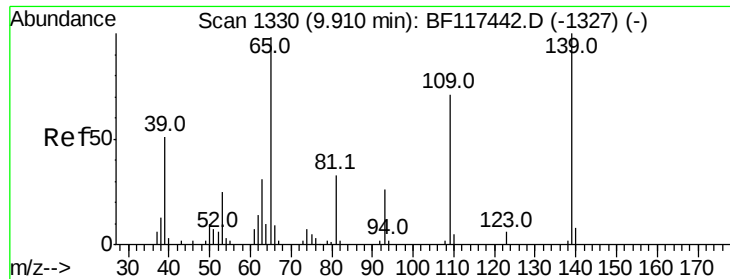


#50
 Dimethylphthalate
 Concen: 7.366 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

Tgt Ion:163 Resp: 45915

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	10.2	8.2	12.2

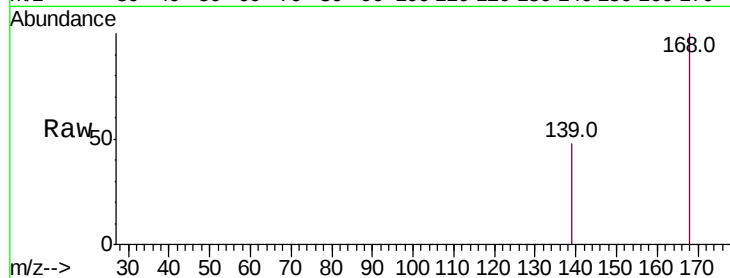




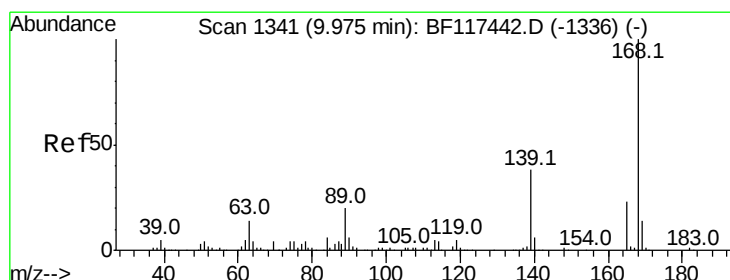
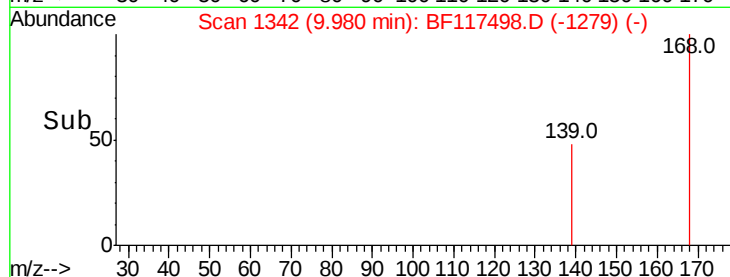
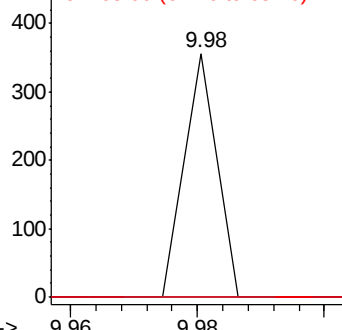
#56
4-Nitrophenol
Concen: 4.295 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.07 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 126
Ion Ratio Lower Upper
139 100
109 0.0 51.4 91.4#
65 0.0 79.4 119.4#

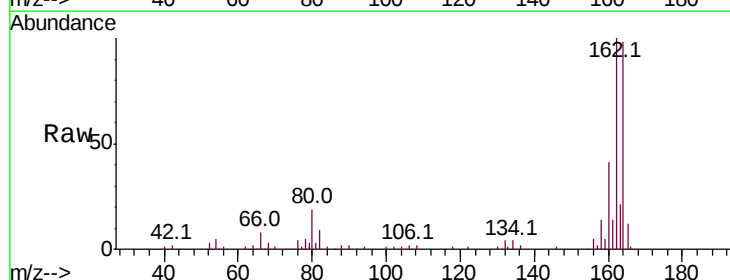


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

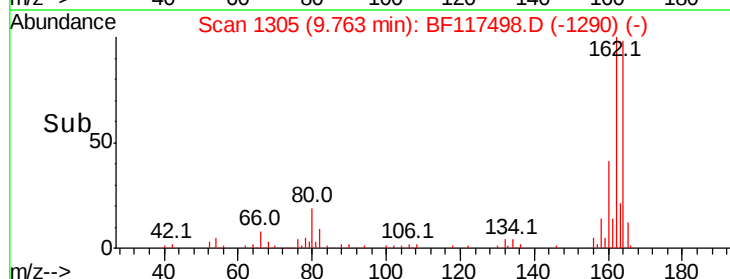
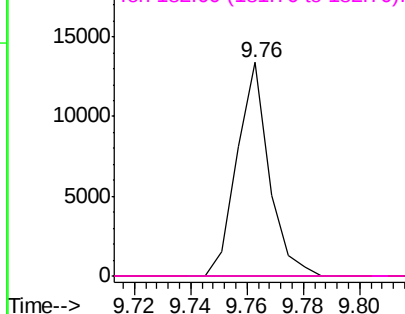


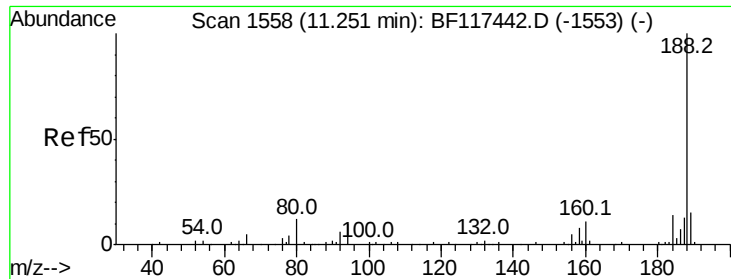
#57
2,4-Dinitrotoluene
Concen: 6.115 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Tgt Ion:165 Resp: 10576
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

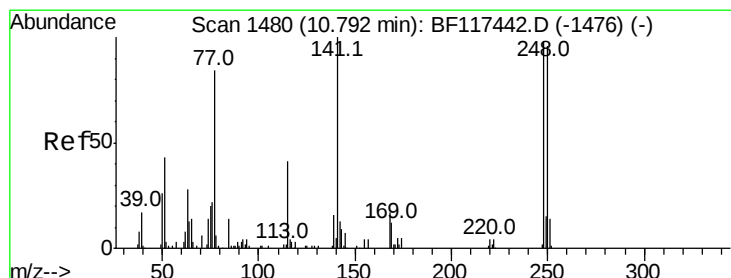
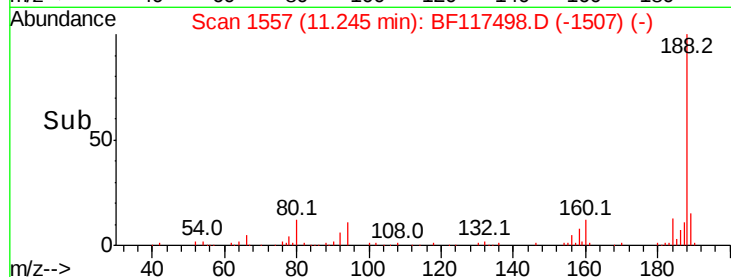
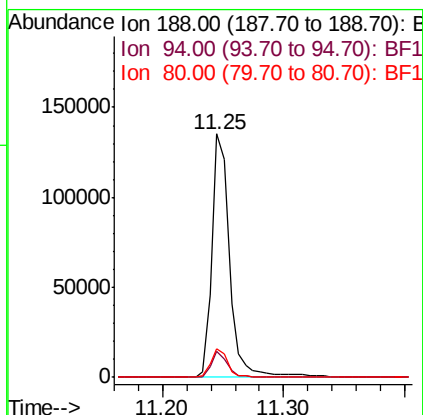
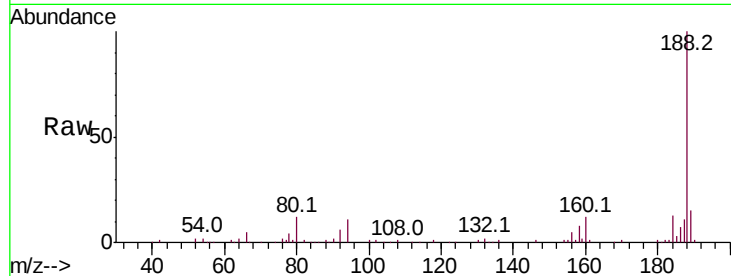




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

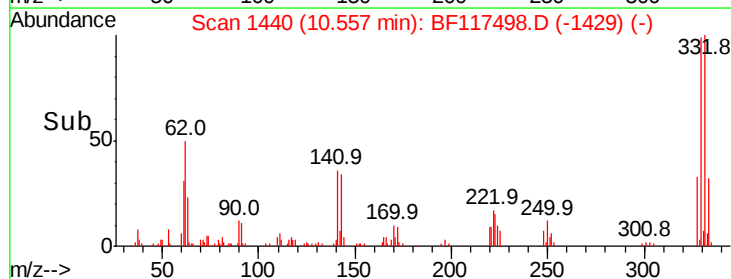
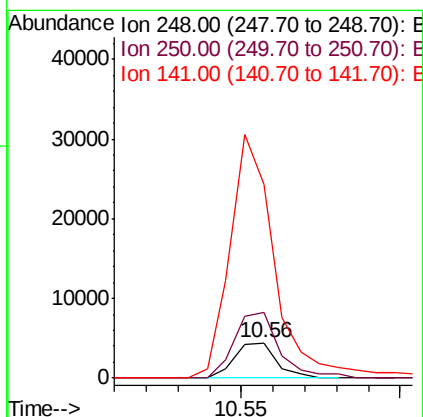
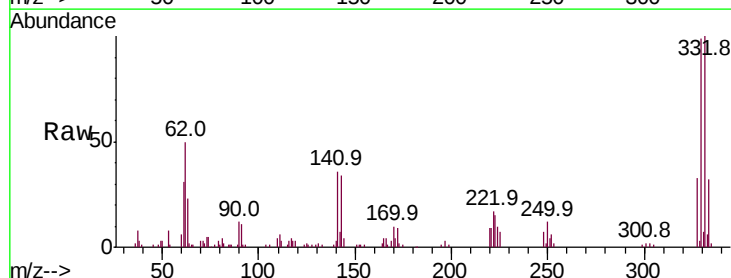
Instrument :
 BNA_F
 ClientSampleId :

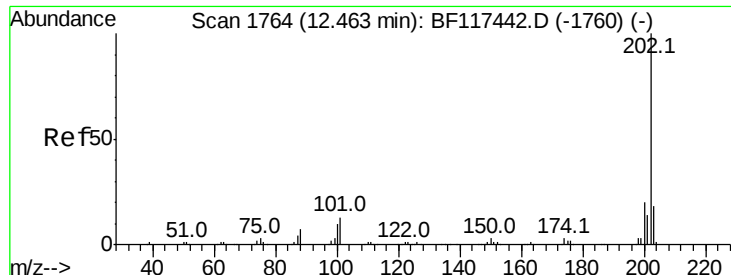
Tot Ion:188 Resp: 136149
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.0 12.0
 80 11.7 9.5 14.3



#67
 4-Bromophenyl-phenylether
 Concen: 2.764 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

Tgt Ion:248 Resp: 4053
 Ion Ratio Lower Upper
 248 100
 250 185.3 78.0 117.0#
 141 545.7 81.7 122.5#

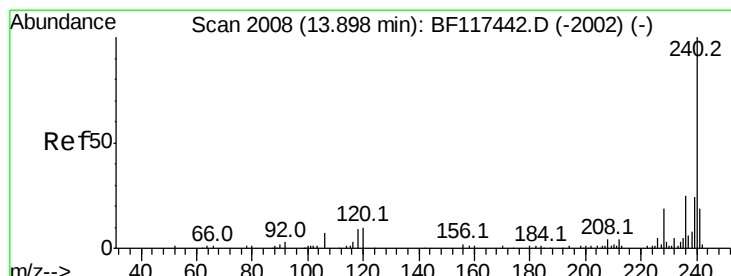
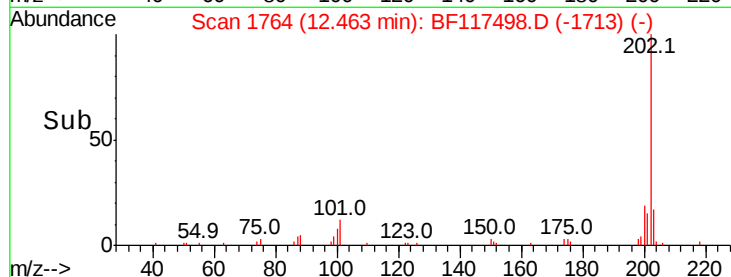
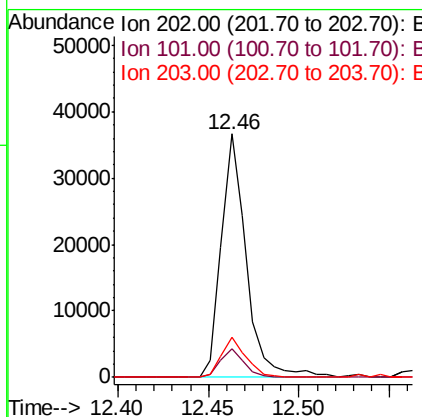
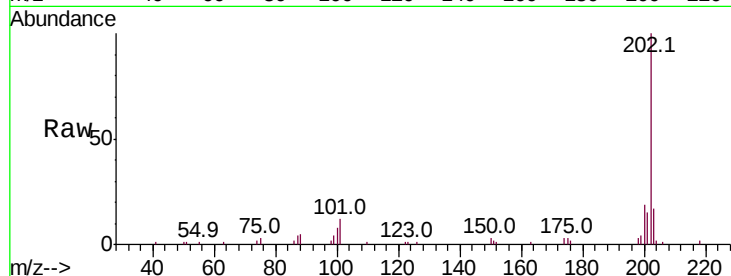




#75
 Fluoranthene
 Concen: 4.459 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

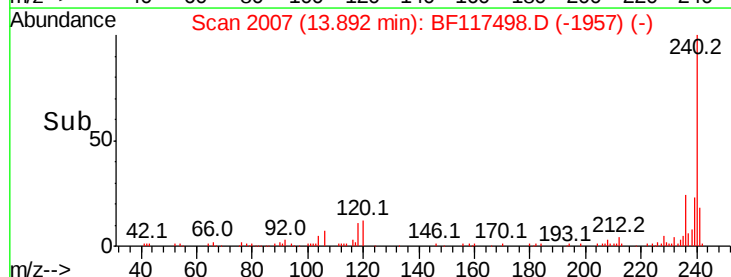
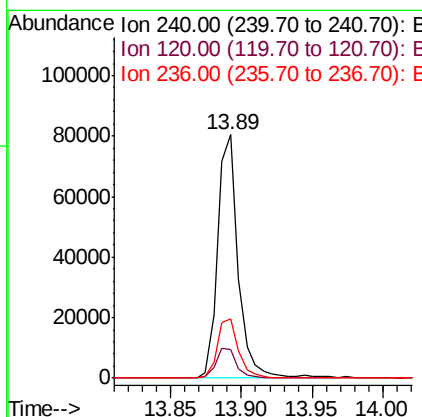
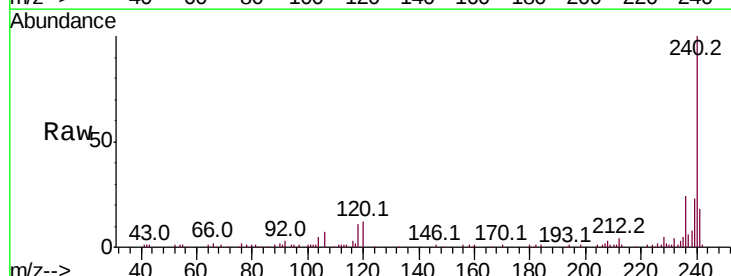
Instrument :
 BNA_F
 ClientSampleId :

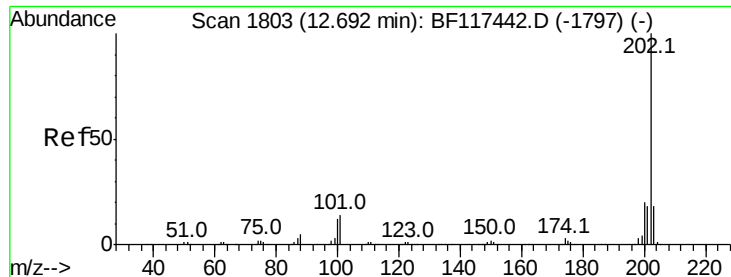
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.7
203	16.7	0.0	37.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.4	12.6
236	24.5	20.0	30.0

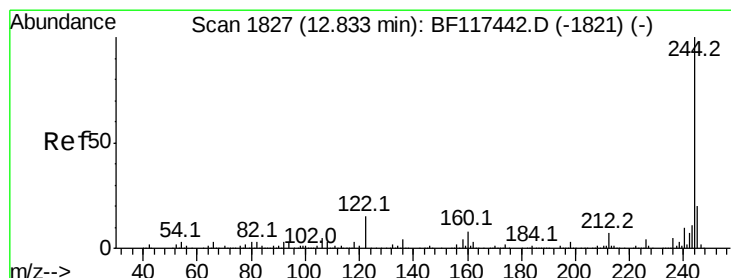
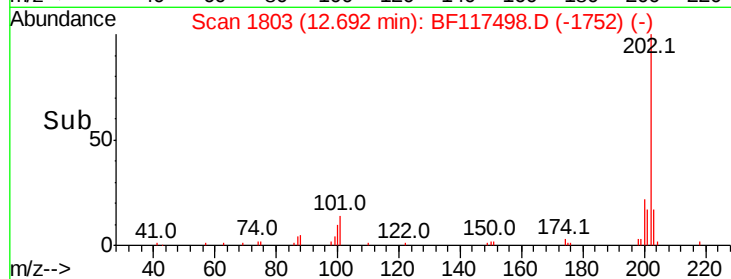
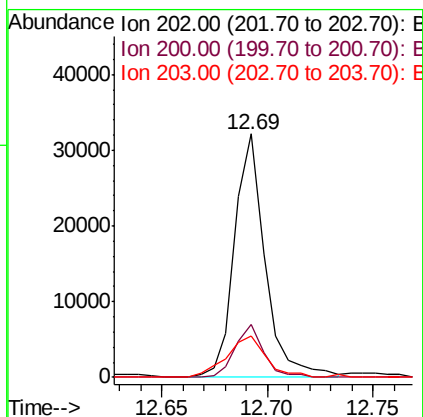
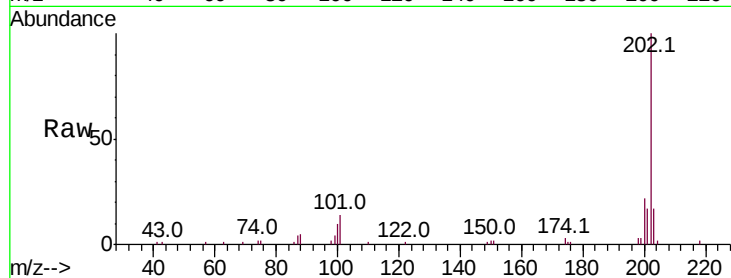




#78
Pvrene
Concen: 4.633 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

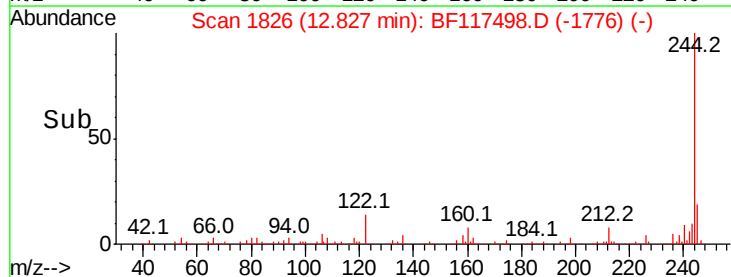
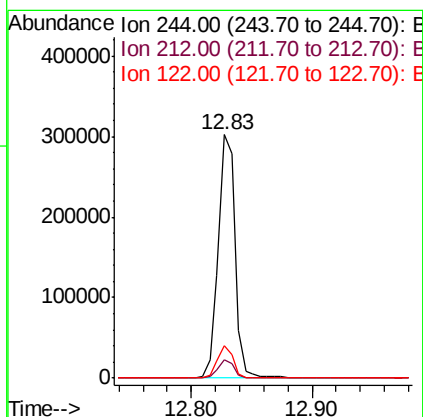
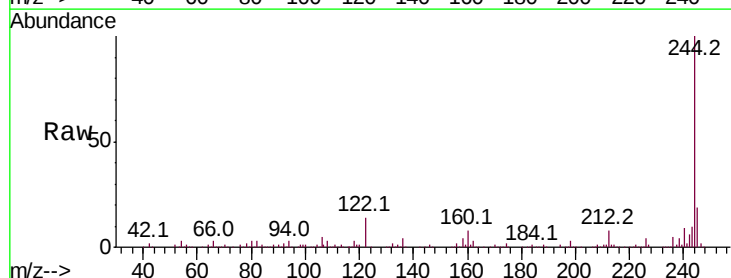
Instrument :
BNA_F
ClientSampleId :

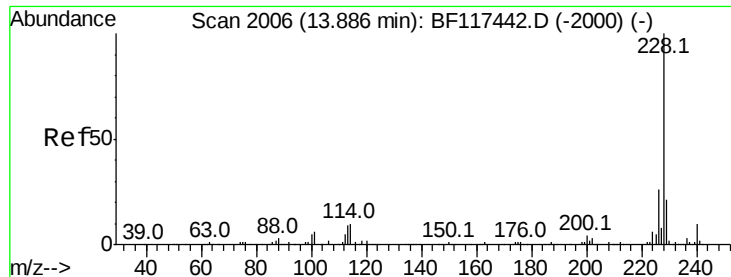
Tot Ion:202 Resp: 32310
Ion Ratio Lower Upper
202 100
200 21.8 16.2 24.2
203 17.1 14.0 21.0



#79
Terphenyl-d14
Concen: 58.189 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Tgt Ion:244 Resp: 289628
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 13.5 11.8 17.8

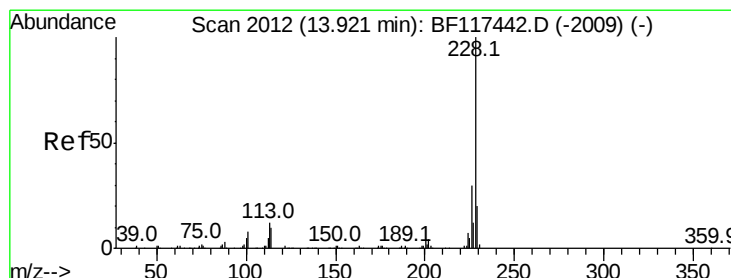
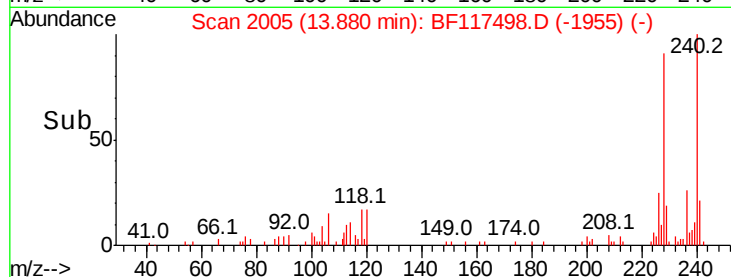
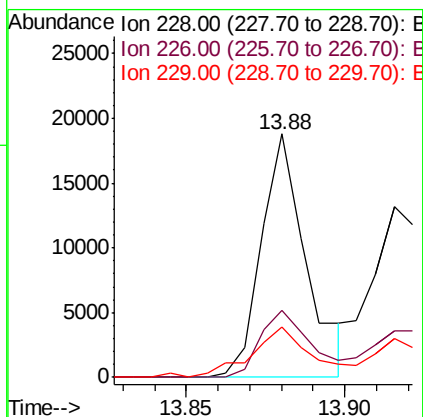
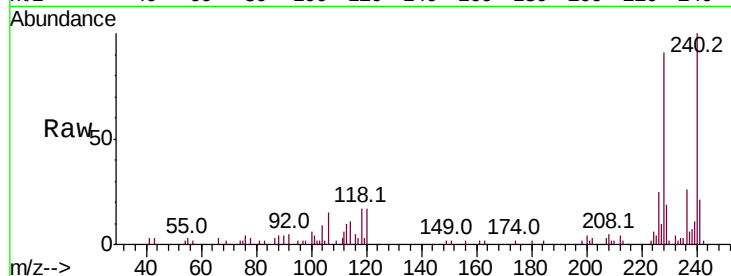




#81
Benzo(a)anthracene
Concen: 3.384 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

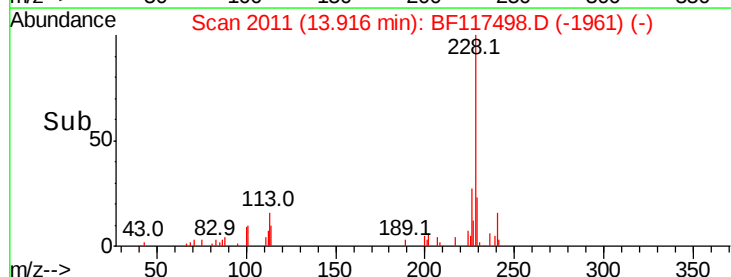
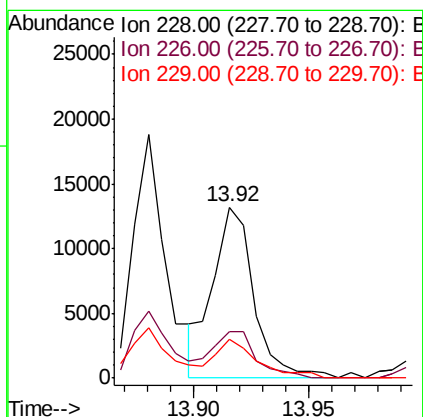
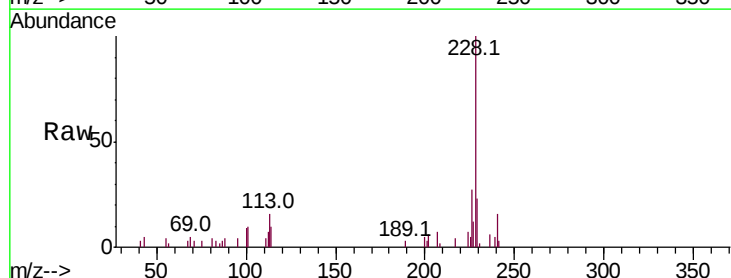
Instrument :
BNA_F
ClientSampleId :

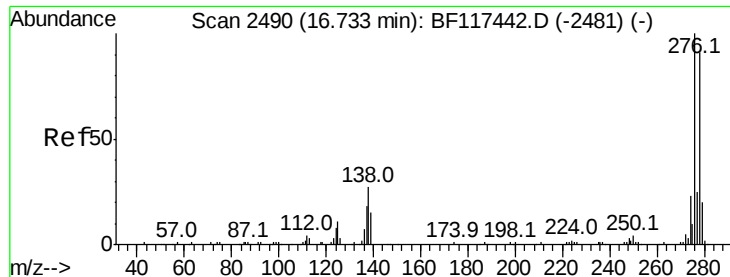
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.0	31.4
229	20.6	16.4	24.6



#83
Chrysene
Concen: 3.046 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	23.9	35.9
229	23.0	15.8	23.6





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.356 ng

RT: 16.73 min Scan# 2490

Delta R.T. -0.00 min

Lab File: BF117498.D

Acq: 23 Oct 2019 22:04

Instrument :

BNA_F

ClientSampleId :

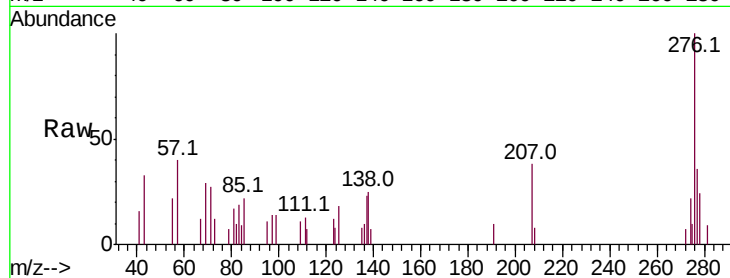
Tot Ion:276 Resp: 9441

Ion Ratio Lower Upper

276 100

138 22.4 21.8 32.8

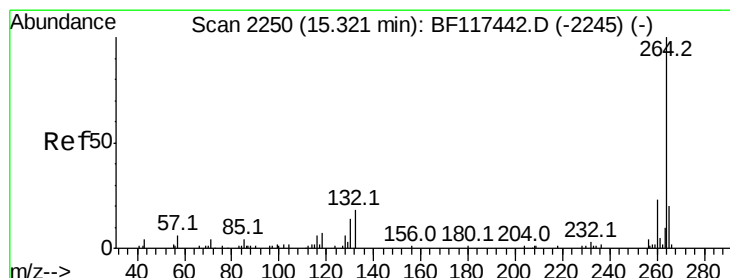
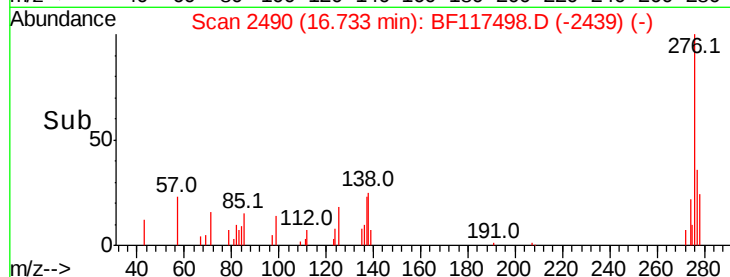
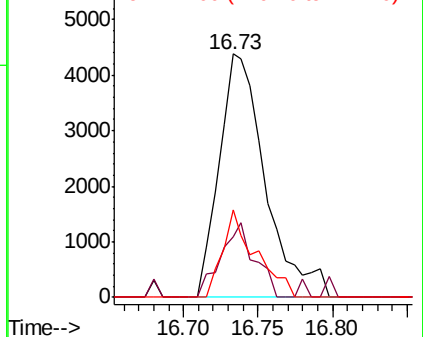
277 25.8 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.00 min

Lab File: BF117498.D

Acq: 23 Oct 2019 22:04

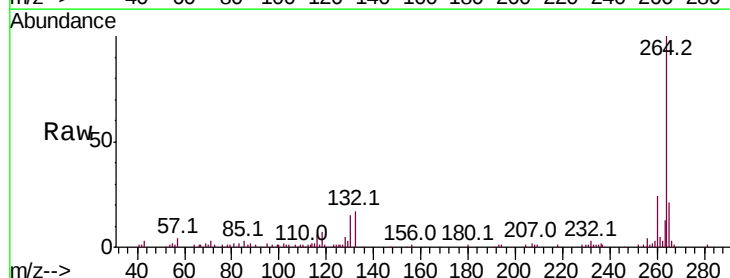
Tgt Ion:264 Resp: 91547

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

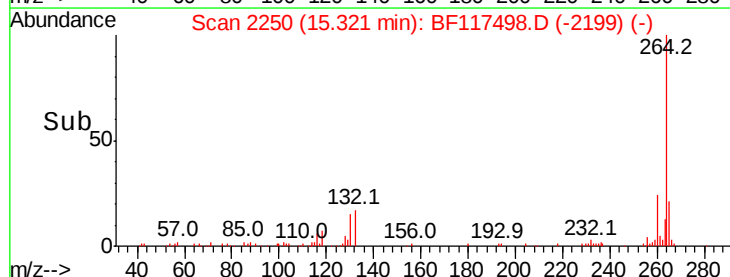
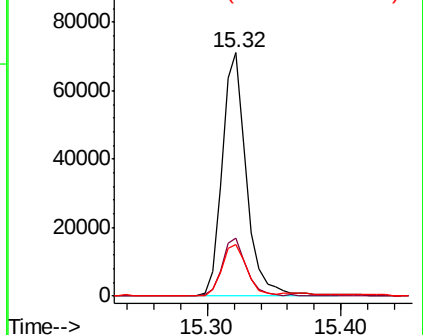
265 21.3 16.1 24.1

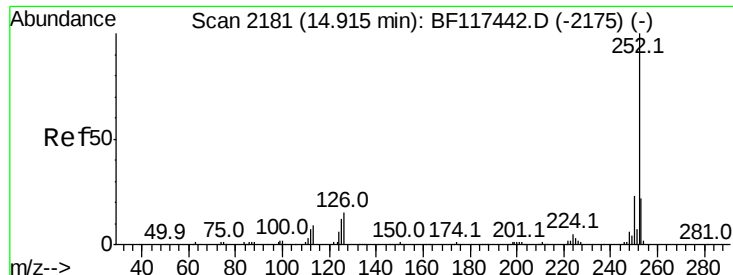


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

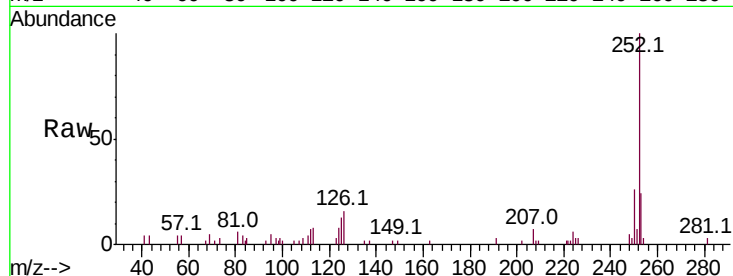




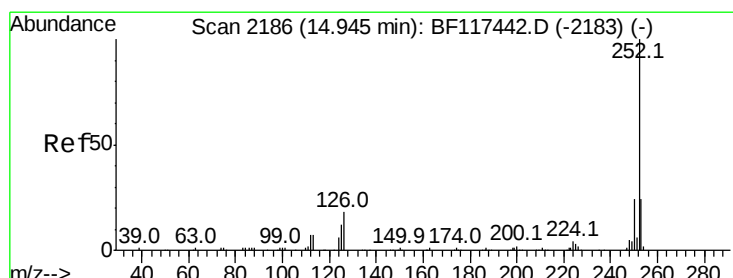
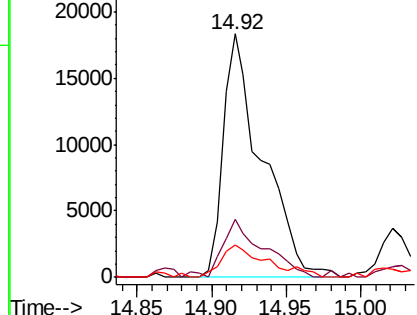
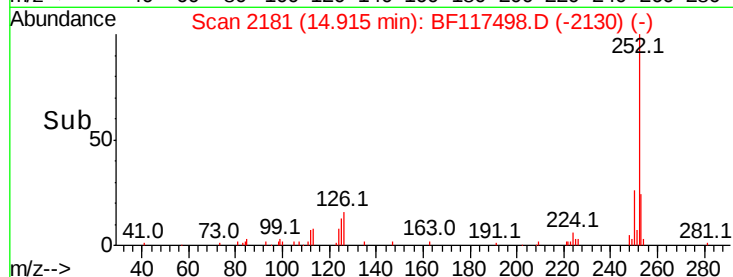
#88
Benzo(b)fluoranthene
Concen: 6.147 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.00 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	13.2	9.9	14.9

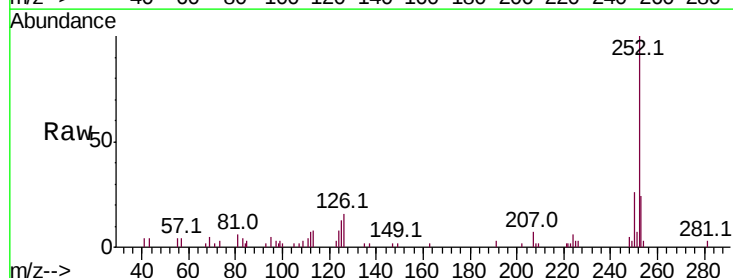


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

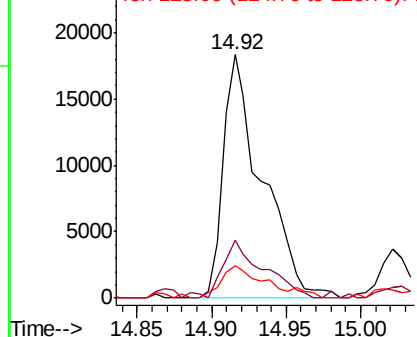
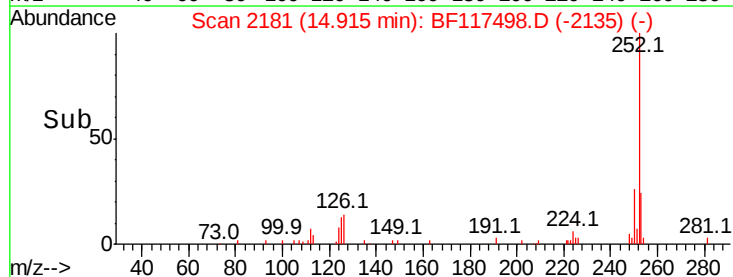


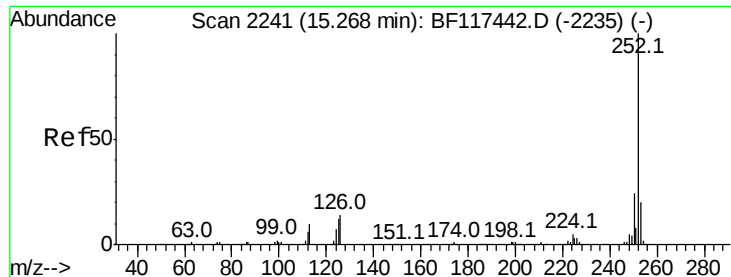
#89
Benzo(k)fluoranthene
Concen: 5.997 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.03 min
Lab File: BF117498.D
Acq: 23 Oct 2019 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	13.2	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





#90
 Benzo(a)pyrene
 Concen: 3.842 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: BF117498.D
 Acq: 23 Oct 2019 22:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	16.3	24.5#
125	11.0	9.2	13.8

