

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117546.D
 Acq On : 25 Oct 2019 19:47
 Operator : JU
 Sample : K5499-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 702-27-(0-1)

Quant Time: Oct 26 00:13:44 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	35857	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	135218	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	60655	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	85318	20.00	ng	0.00
76) Chrysene-d12	13.90	240	67844	20.00	ng	0.00
87) Perylene-d12	15.34	264	52568	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	207455	86.07	ng	0.00
7) Phenol-d6	6.39	99	276825	85.51	ng	0.00
23) Nitrobenzene-d5	7.29	82	159646	58.29	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	38475	73.31	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	258689	60.09	ng	0.00
79) Terphenyl-d14	12.83	244	195092	46.90	ng	0.00

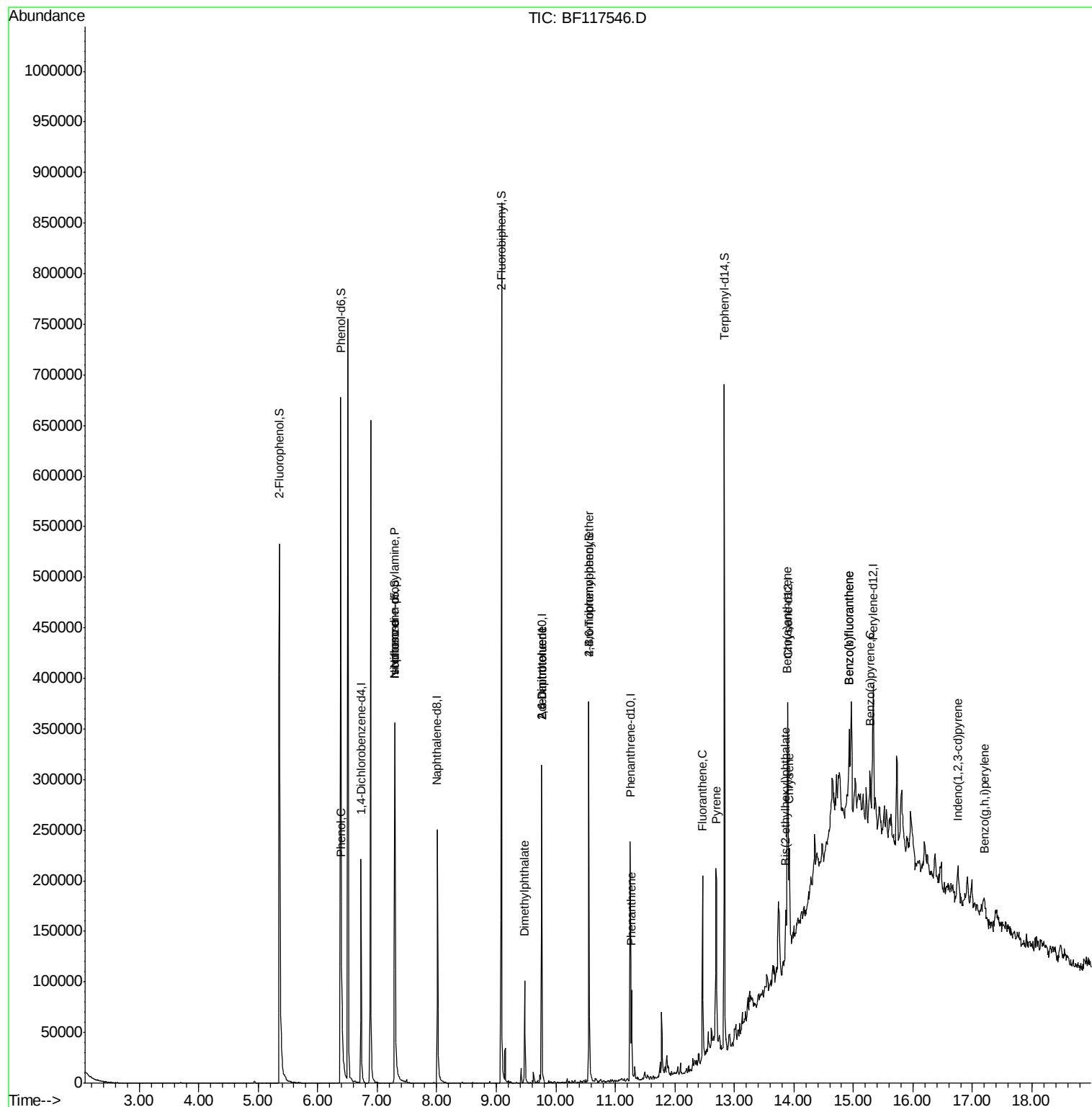
Target Compounds				Qvalue		
9) Benzaldehyde	6.39	77	189	Below Cal	#	3
10) Phenol	6.40	94	6771	2.049	ng	87
19) n-Nitroso-di-n-propylamine	7.29	70	21438	10.844	ng	# 79
25) Isophorone	7.29	82	159645	33.693	ng	# 65
50) Dimethylphthalate	9.48	163	38146	8.822	ng	100
51) 2,6-Dinitrotoluene	9.76	165	7612	8.436	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	7612	6.345	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	2744	2.986	ng	# 1
71) Phenanthrene	11.27	178	31327	6.323	ng	98
75) Fluoranthene	12.47	202	78725	15.874	ng	97
77) Benzidine	12.83	184	2833	Below Cal	#	88
78) Pylene	12.69	202	72930	12.515	ng	98
81) Benzo(a)anthracene	13.89	228	34902	7.627	ng	98
83) Chrysene	13.92	228	32386	7.221	ng	100
84) Bis(2-ethylhexyl)phthalate	13.86	149	12838	3.160	ng	91
86) Indeno(1,2,3-cd)pyrene	16.76	276	12480	3.727	ng	94
88) Benzo(b)fluoranthene	14.93	252	43616	14.051	ng	# 82
89) Benzo(k)fluoranthene	14.93	252	43616	13.709	ng	# 81
90) Benzo(a)pyrene	15.28	252	19844	7.031	ng	# 79
92) Benzo(a,h,i)perylene	17.19	276	12066	5.225	ng	# 70

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

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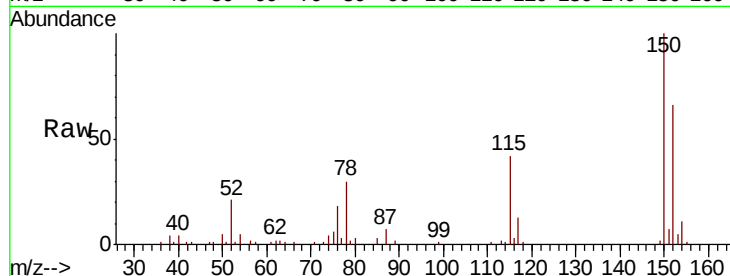


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

Instrument :
BNA_F
ClientSampleId :
702-27-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	126.8	190.2
115	64.4	51.6	77.4

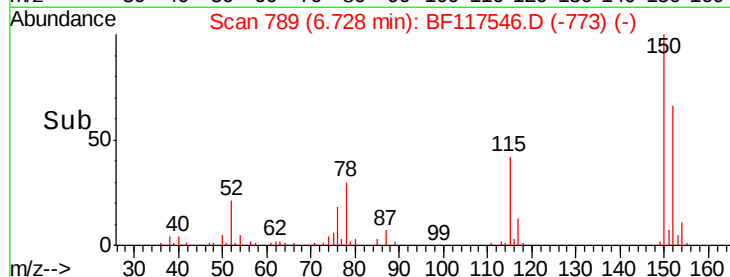
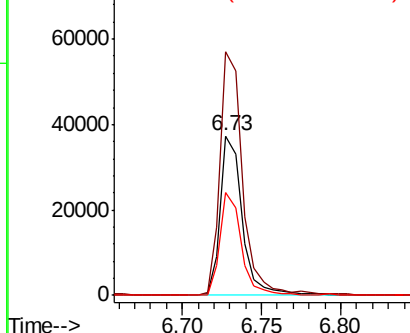


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

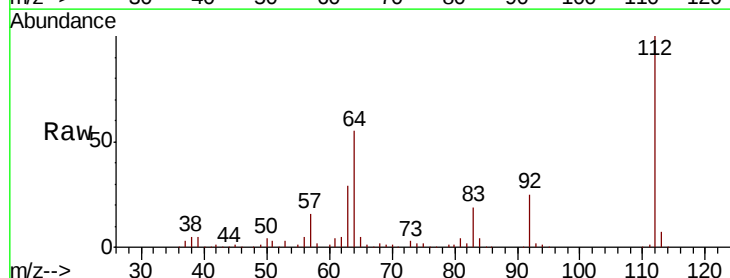
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.073 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.1	66.1
63	29.0	23.4	35.2

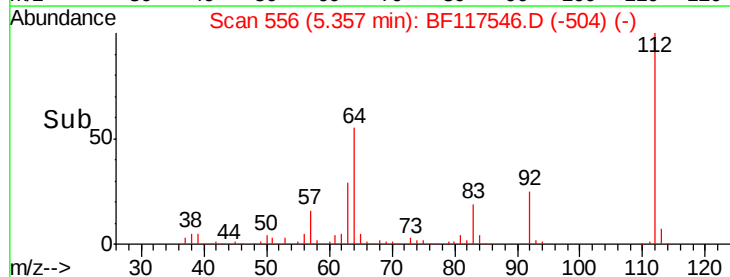
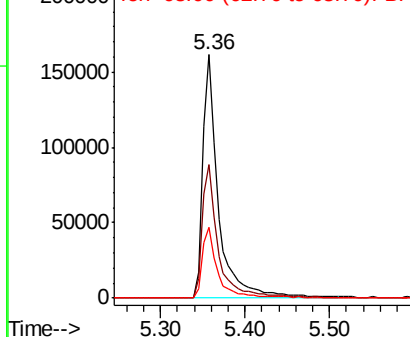


Abundance

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: 85.514 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117546.D

Acq: 25 Oct 2019 19:47

Instrument :

BNA_F

ClientSampleId :

702-27-(0-1)

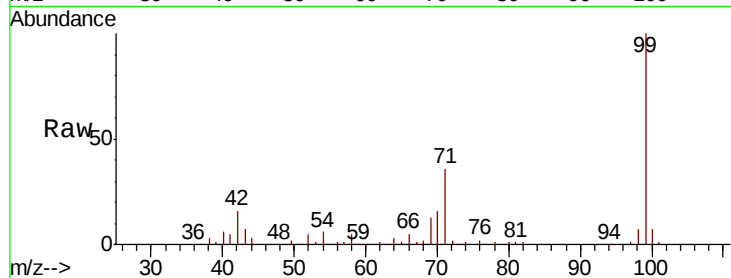
Tot Ion: 99 Resp: 276825

Ion Ratio Lower Upper

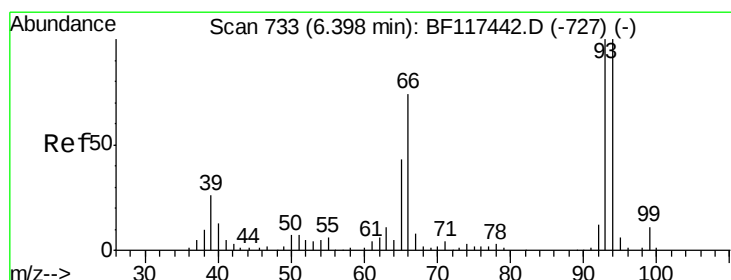
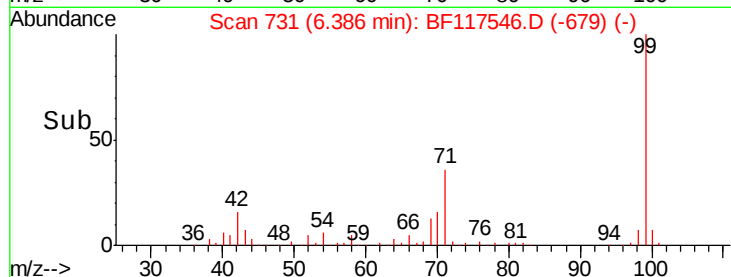
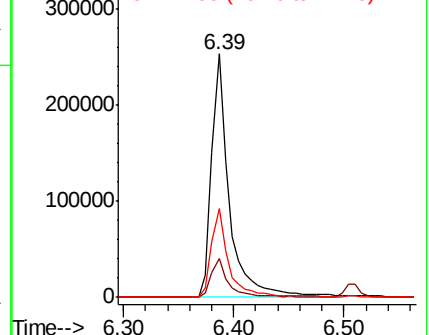
99 100

42 15.7 12.8 19.2

71 36.3 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: 2.049 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF117546.D

Acq: 25 Oct 2019 19:47

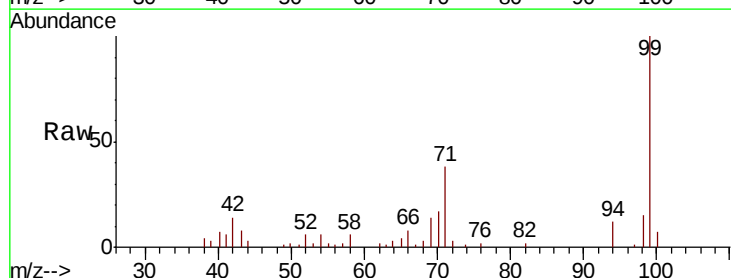
Tgt Ion: 94 Resp: 6771

Ion Ratio Lower Upper

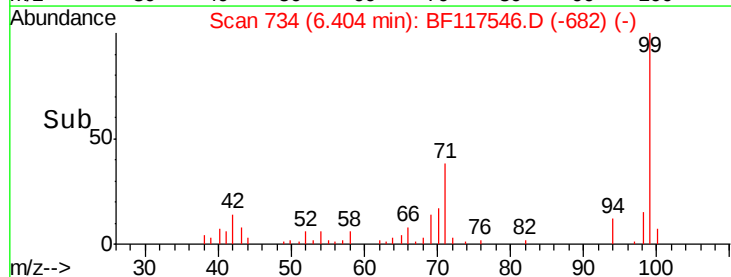
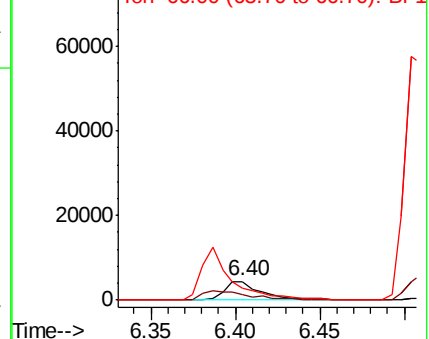
94 100

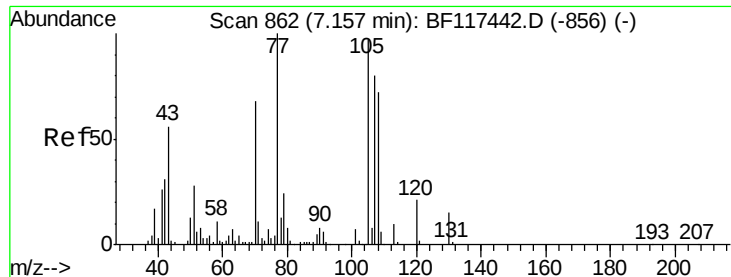
65 31.8 23.4 63.4

66 65.6 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

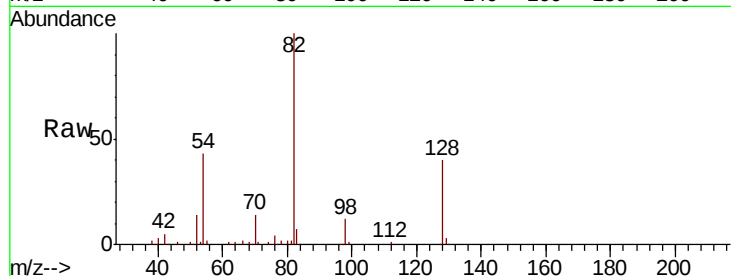




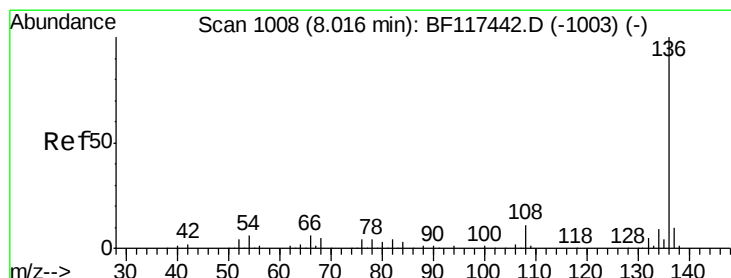
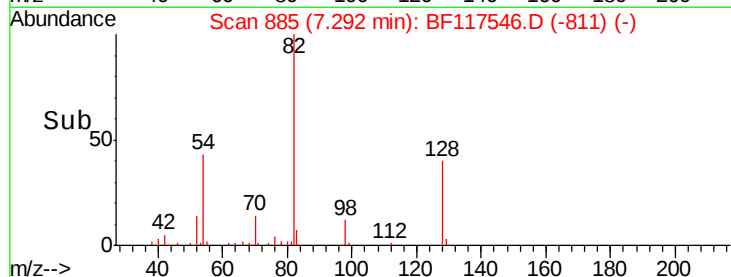
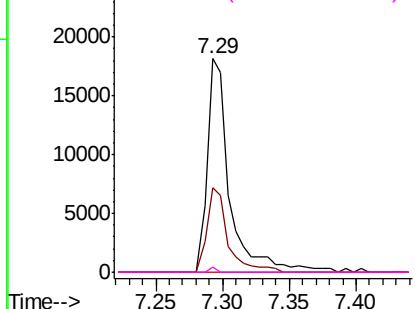
#19
n-Nitroso-di-n-propylamine
Concen: 10.844 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

Instrument :
BNA_F
ClientSampleId :
702-27-(0-1)

Tot Ion: 70 Resp: 21438
Ion Ratio Lower Upper
70 100
42 39.8 36.7 55.1
101 0.0 8.3 12.5#
130 2.2 18.1 27.1#

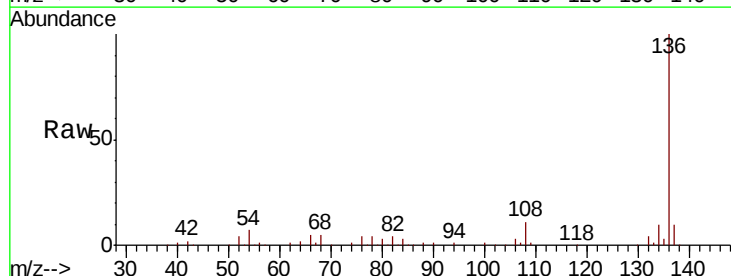


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

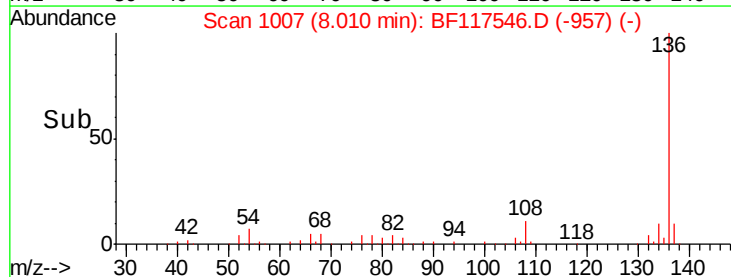
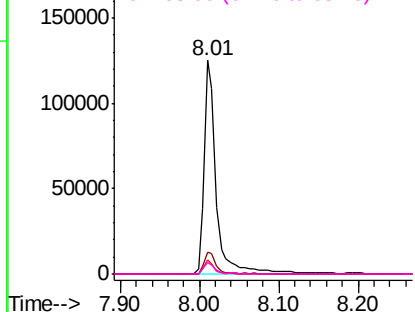


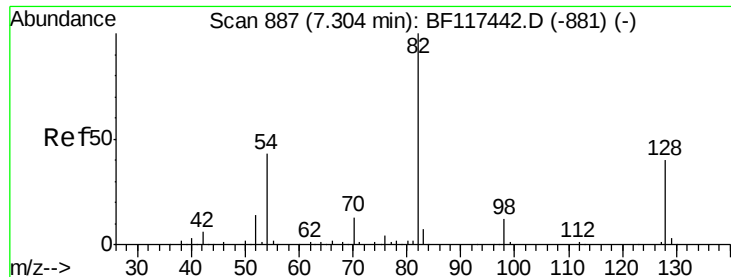
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

Tgt Ion:136 Resp: 135218
Ion Ratio Lower Upper
136 100
137 10.2 8.2 12.4
54 6.6 4.5 6.7
68 5.2 4.3 6.5



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

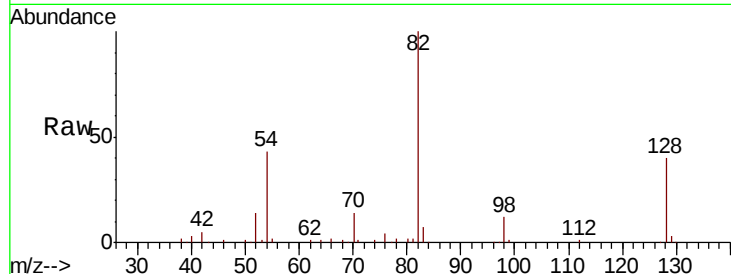




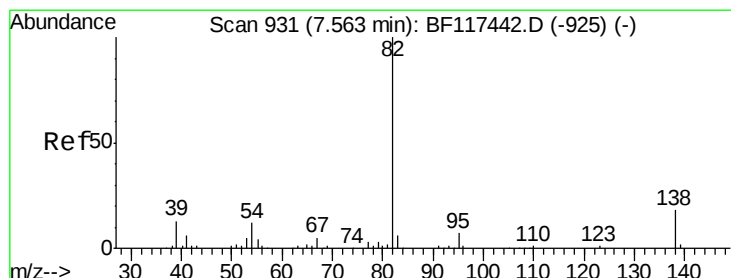
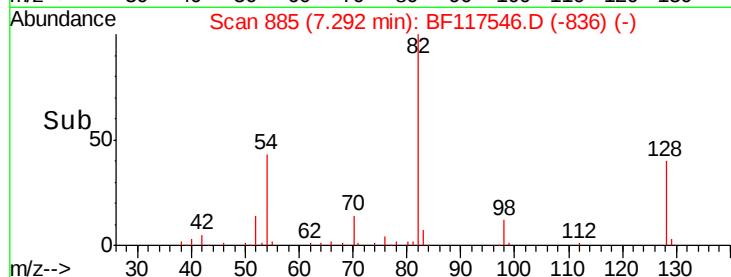
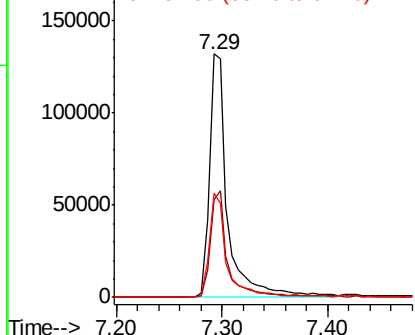
#23
Nitrobenzene-d5
Concen: 58.286 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

Instrument :
BNA_F
ClientSampleId :
702-27-(0-1)

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.2	48.2
54	43.0	34.2	51.2

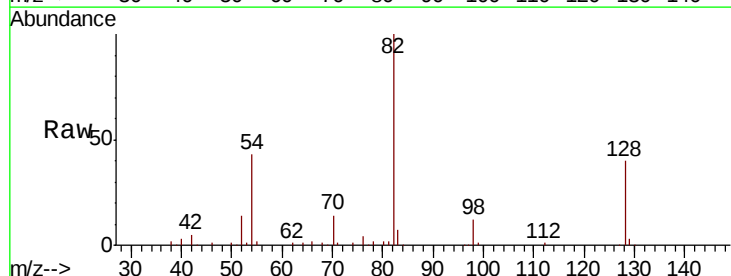


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

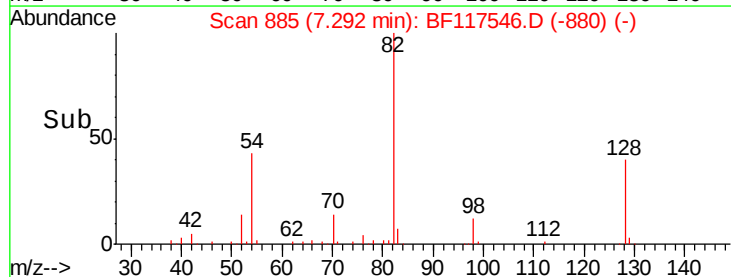
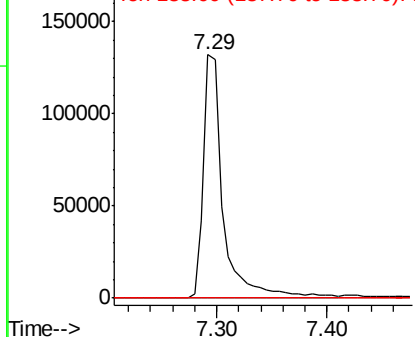


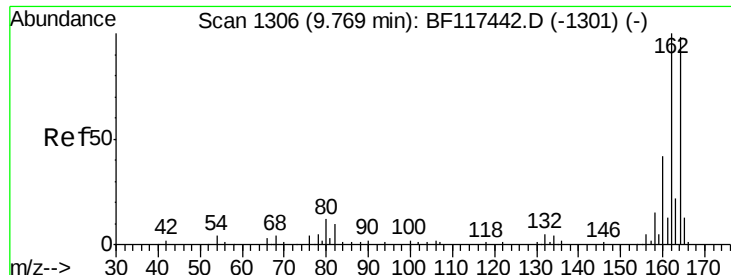
#25
Isophorone
Concen: 33.693 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

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

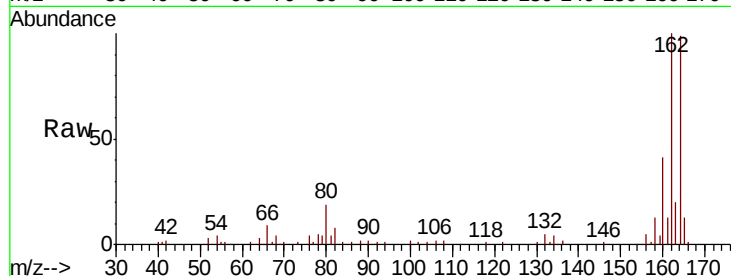




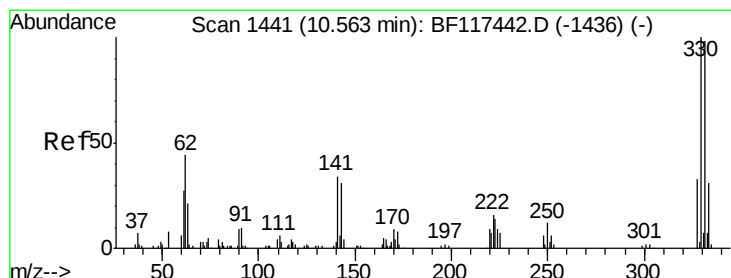
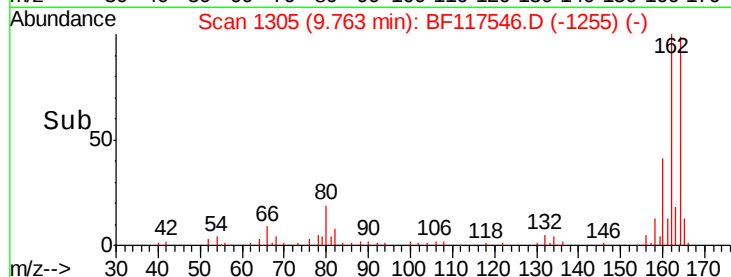
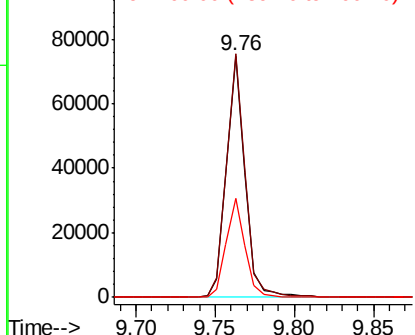
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117546.D
 Acq: 25 Oct 2019 19:47

Instrument :
 BNA_F
 ClientSampleId :
 702-27-(0-1)

Tot Ion:164 Resp: 60655
 Ion Ratio Lower Upper
 164 100
 162 100.8 81.8 122.6
 160 41.0 34.4 51.6

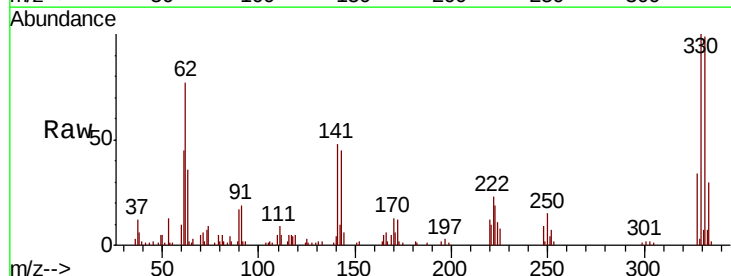


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

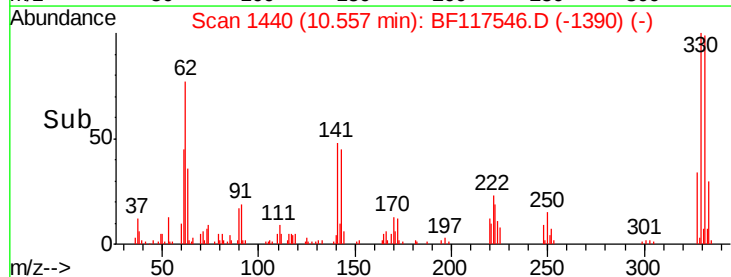
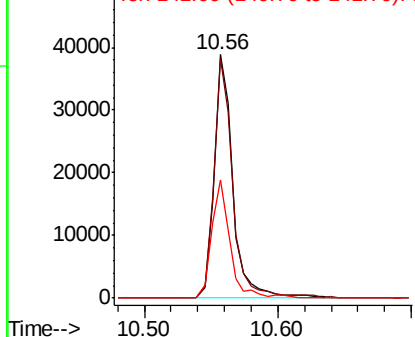


#42
 2,4,6-Tribromophenol
 Concen: 73.311 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117546.D
 Acq: 25 Oct 2019 19:47

Tgt Ion:330 Resp: 38475
 Ion Ratio Lower Upper
 330 100
 332 99.1 78.5 117.7
 141 47.3 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

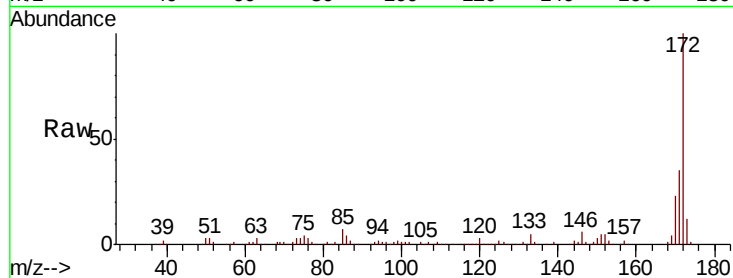




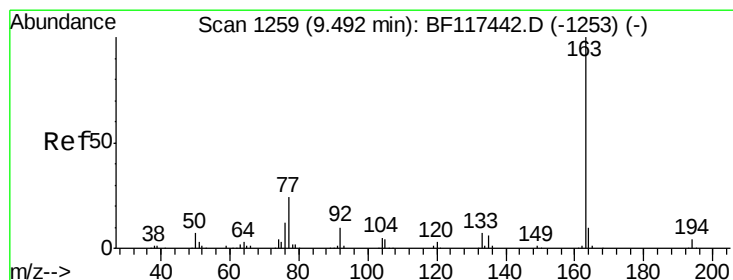
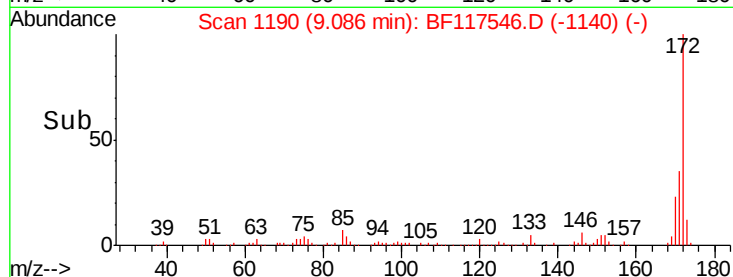
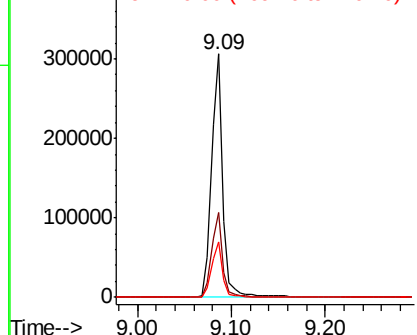
#45
2-Fluorobiphenyl
Concen: 60.092 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

Instrument :
BNA_F
ClientSampleId :
702-27-(0-1)

Tot Ion:172 Resp: 258689
Ion Ratio Lower Upper
172 100
171 34.6 27.5 41.3
170 23.0 18.6 27.8

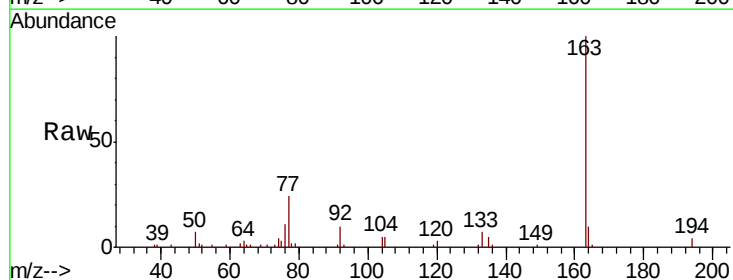


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

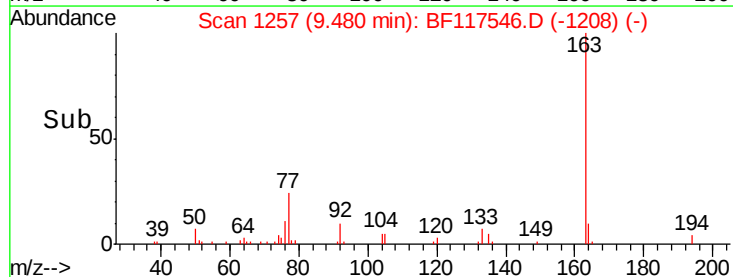
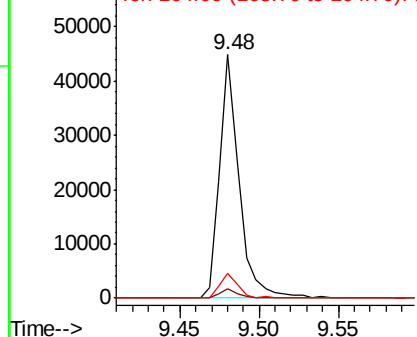


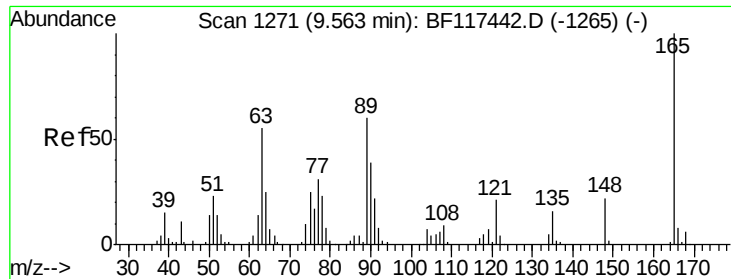
#50
Dimethylphthalate
Concen: 8.822 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

Tgt Ion:163 Resp: 38146
Ion Ratio Lower Upper
163 100
194 4.1 2.9 4.3
164 10.3 8.2 12.2



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: 8.436 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117546.D

Acq: 25 Oct 2019 19:47

Instrument :

BNA_F

ClientSampleId :

702-27-(0-1)

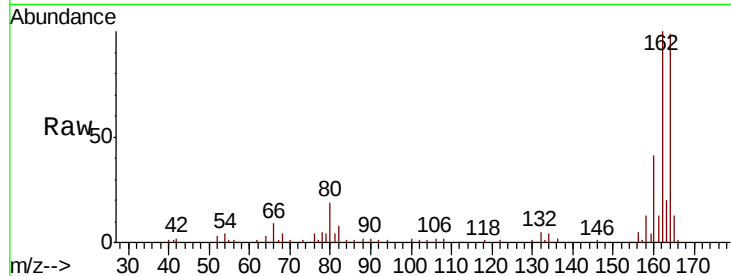
Tot Ion:165 Resp: 7612

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

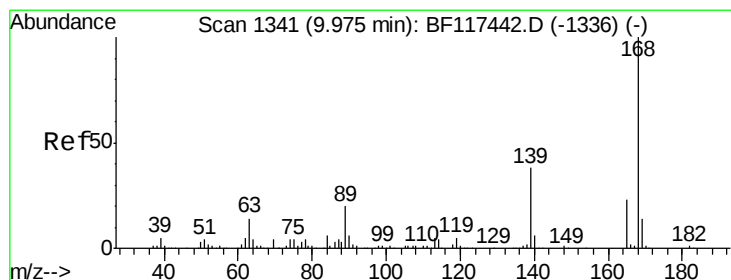
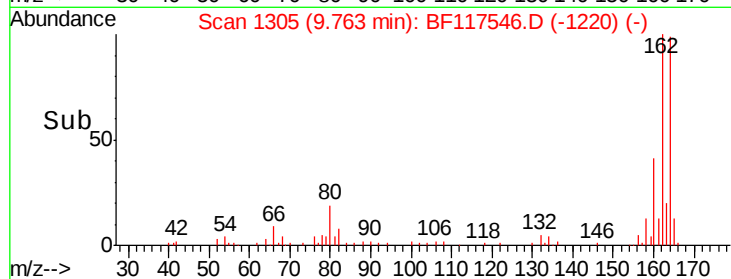
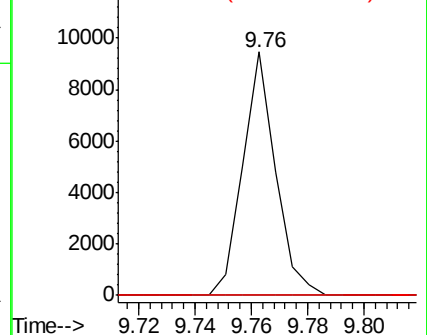
89 0.0 47.6 71.4#



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: 6.345 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.21 min

Lab File: BF117546.D

Acq: 25 Oct 2019 19:47

Tgt Ion:165 Resp: 7612

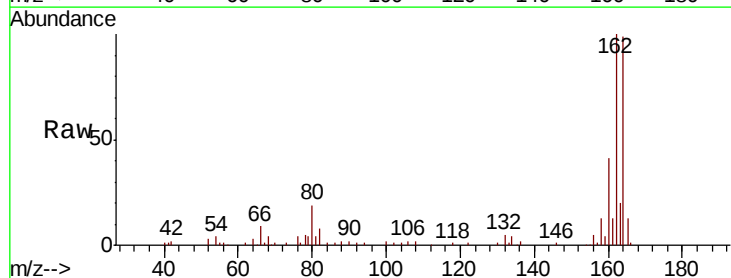
Ion Ratio Lower Upper

165 100

63 0.0 51.4 77.0#

89 0.0 69.9 104.9#

182 0.0 1.9 2.9#

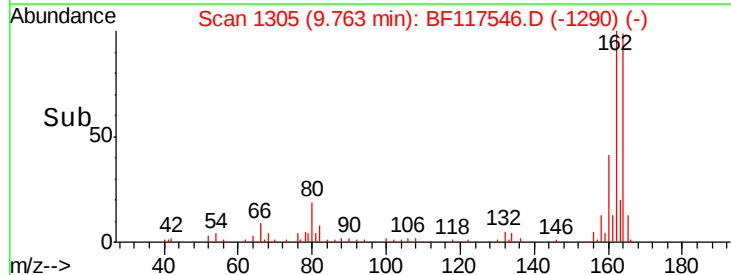
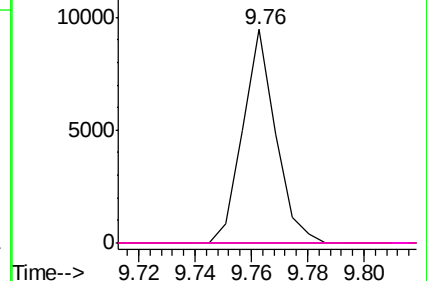


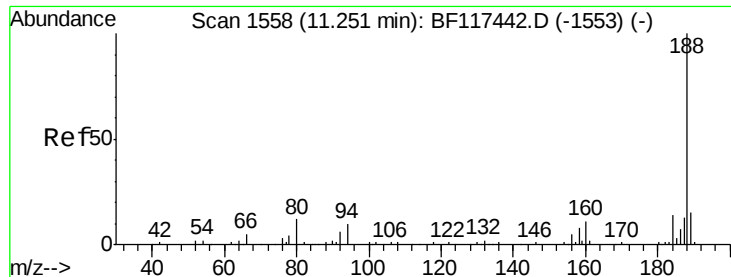
Abundance Ion 165.00 (164.70 to 165.70): E

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

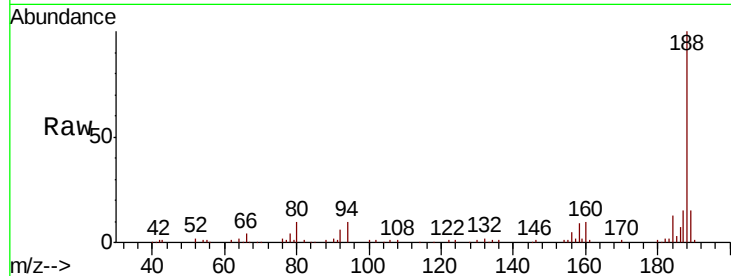




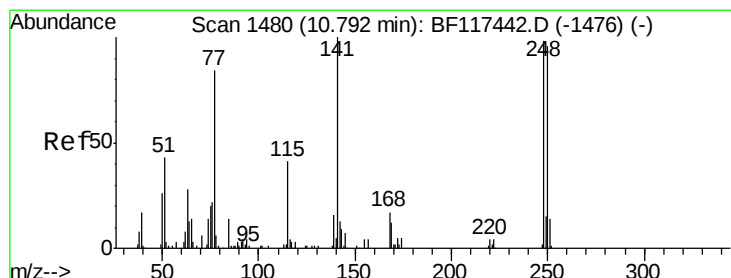
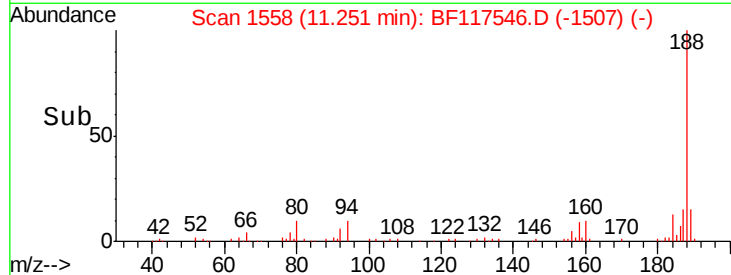
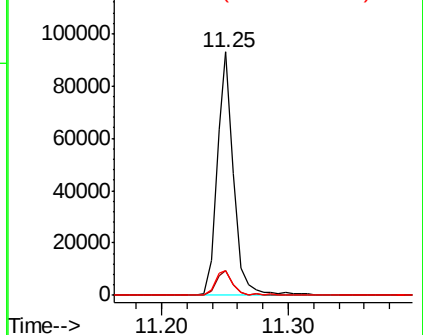
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF117546.D
 Acq: 25 Oct 2019 19:47

Instrument :
 BNA_F
 ClientSampleId :
 702-27-(0-1)

Tot Ion:188 Resp: 85318
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.0 12.0
 80 10.4 9.5 14.3

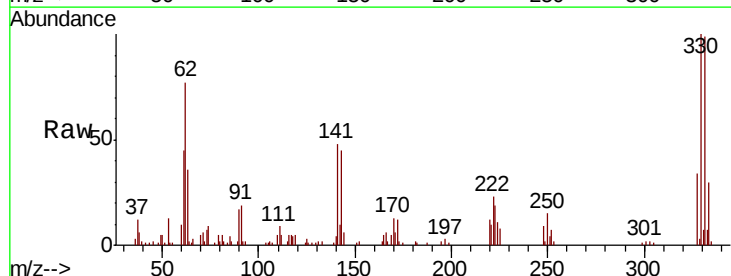


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

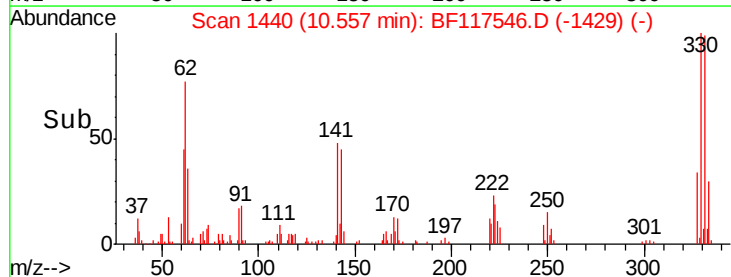
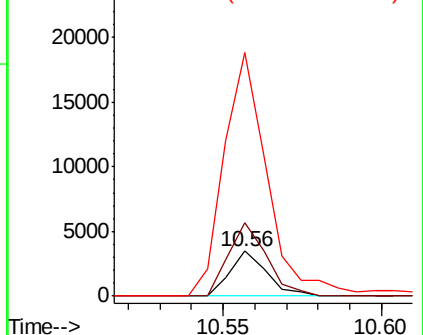


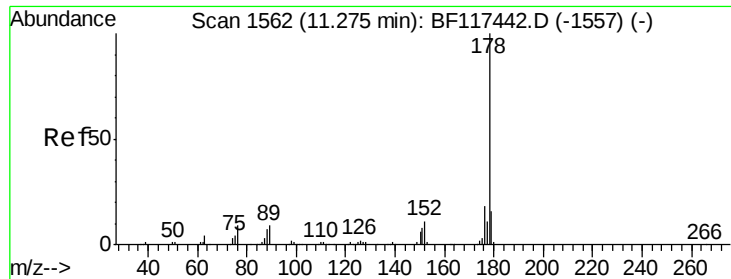
#67
 4-Bromophenyl-phenylether
 Concen: 2.986 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117546.D
 Acq: 25 Oct 2019 19:47

Tgt Ion:248 Resp: 2744
 Ion Ratio Lower Upper
 248 100
 250 165.6 78.0 117.0#
 141 544.7 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

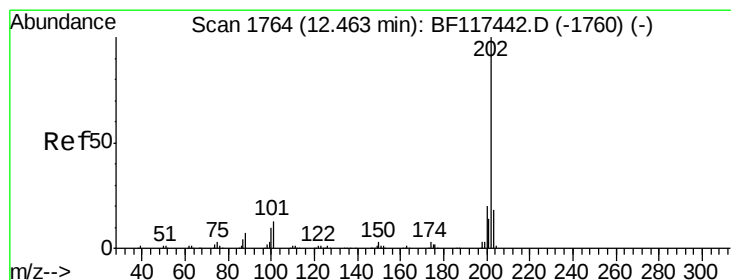
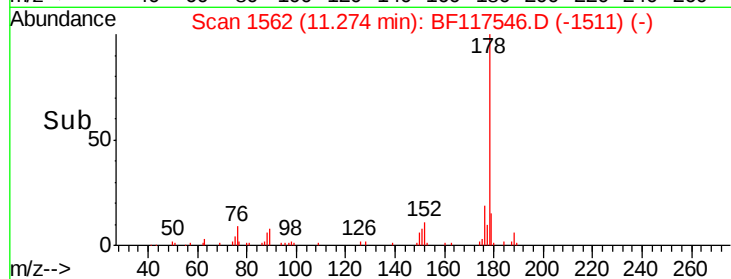
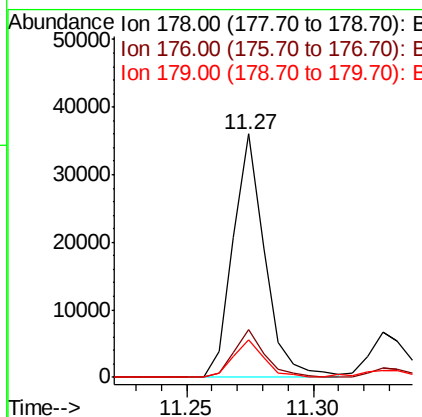
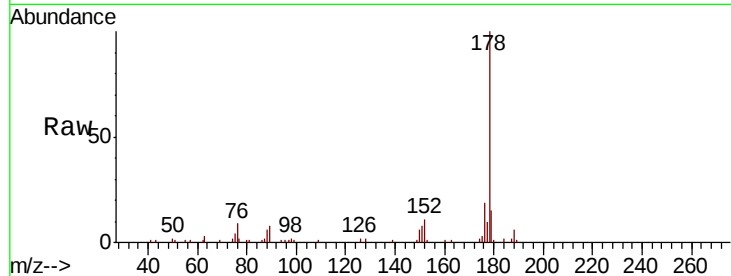




#71
Phenanthrene
Concen: 6.323 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

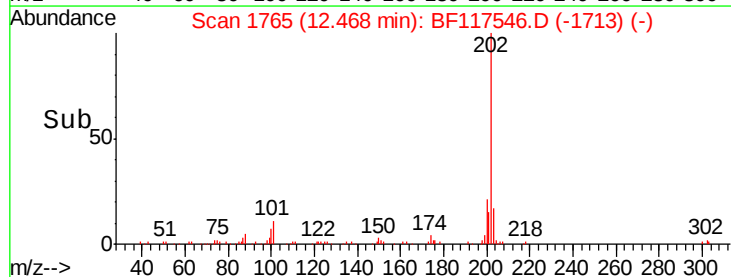
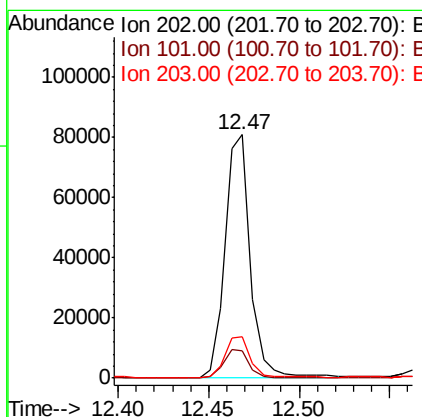
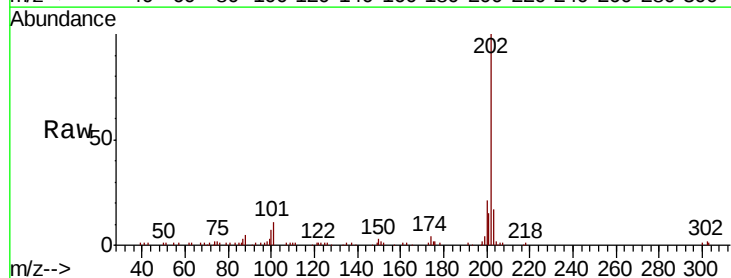
Instrument :
BNA_F
ClientSampleId :
702-27-(0-1)

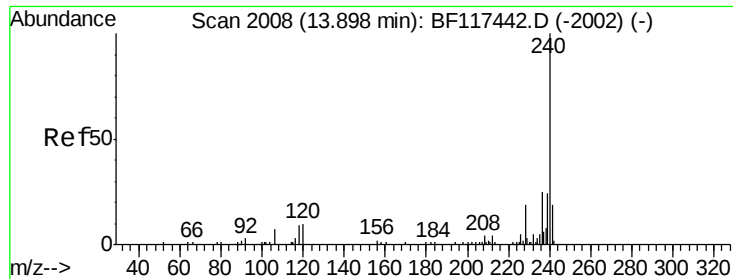
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.6	22.0
179	15.3	12.6	19.0



#75
Fluoranthene
Concen: 15.874 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	32.7
203	16.8	0.0	37.6

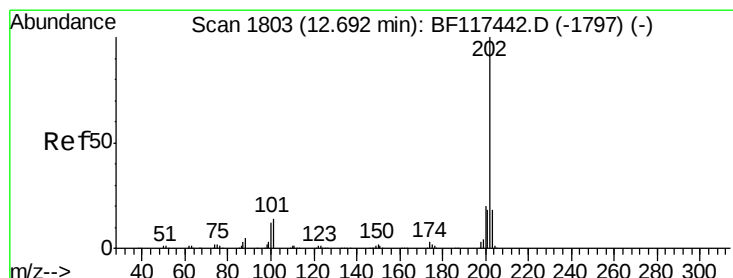
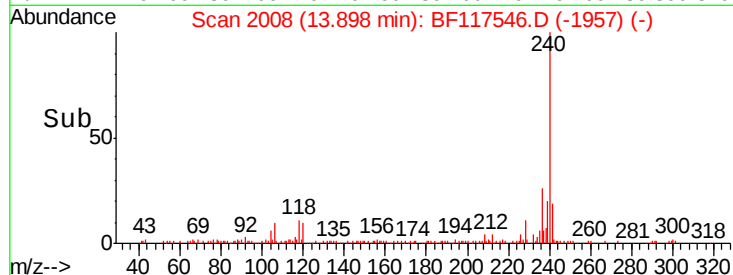
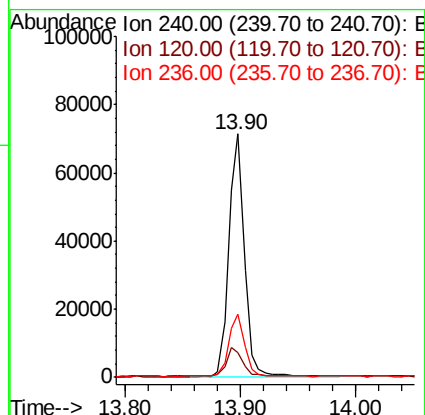
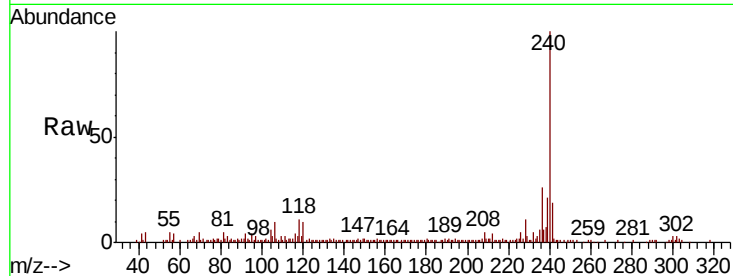




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

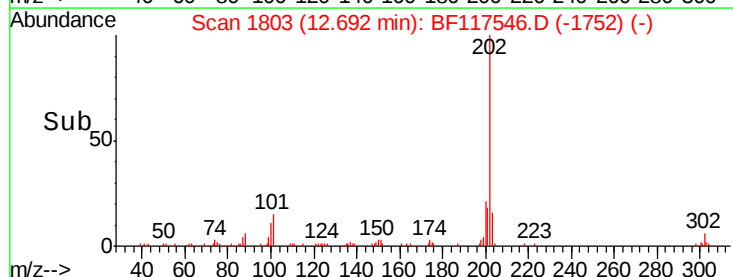
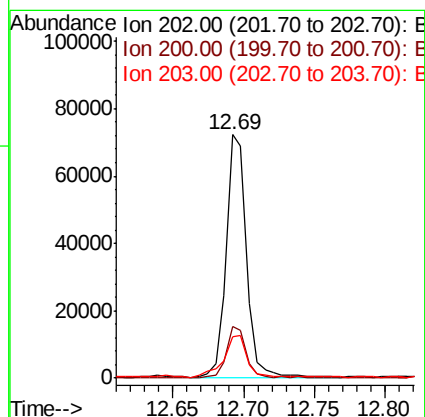
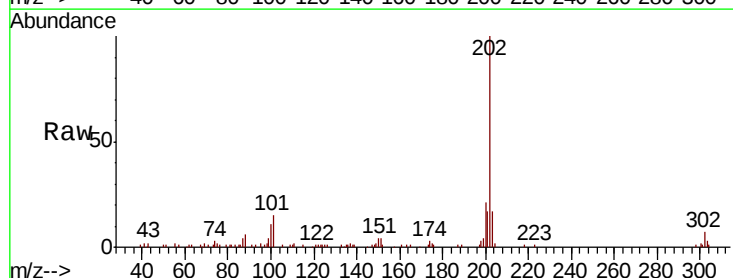
Instrument :
BNA_F
ClientSampleId :
702-27-(0-1)

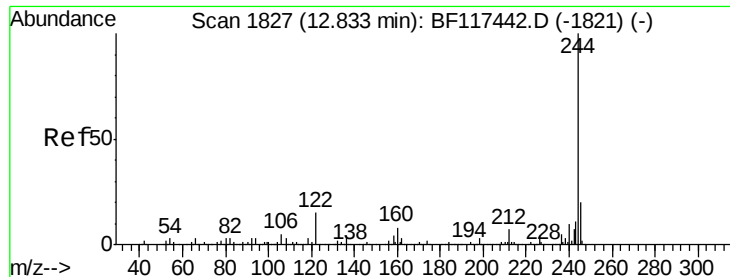
Tot Ion:240 Resp: 67844
Ion Ratio Lower Upper
240 100
120 10.1 8.4 12.6
236 26.2 20.0 30.0



#78
Pyrene
Concen: 12.515 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

Tgt Ion:202 Resp: 72930
Ion Ratio Lower Upper
202 100
200 21.0 16.2 24.2
203 16.8 14.0 21.0





#79

Terphenyl-d14

Concen: 46.904 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF117546.D

Acq: 25 Oct 2019 19:47

Instrument :

BNA_F

ClientSampleId :

702-27-(0-1)

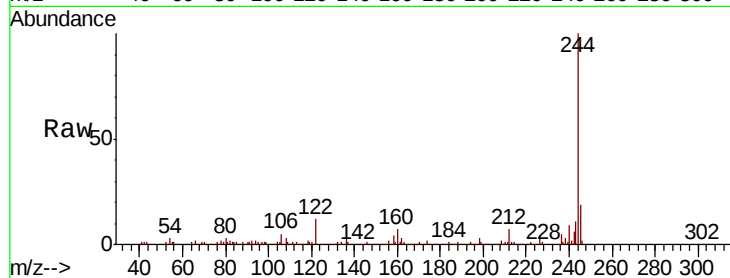
Tot Ion:244 Resp: 195092

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

122 12.3 11.8 17.8

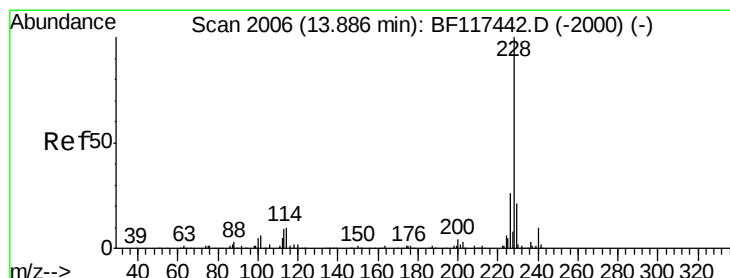
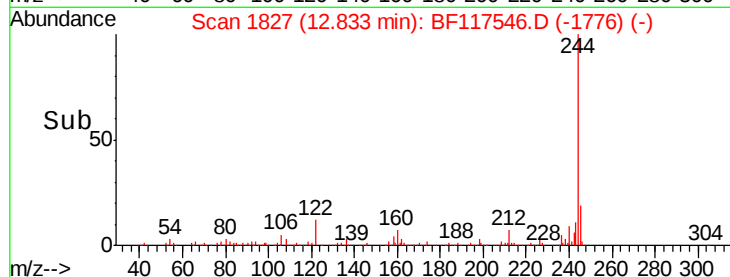
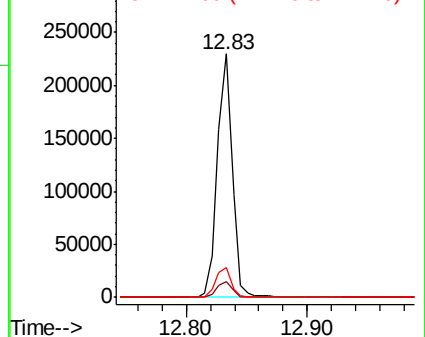


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 7.627 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF117546.D

Acq: 25 Oct 2019 19:47

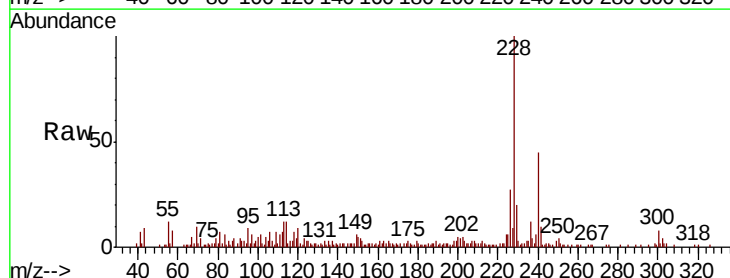
Tgt Ion:228 Resp: 34902

Ion Ratio Lower Upper

228 100

226 27.3 21.0 31.4

229 19.9 16.4 24.6

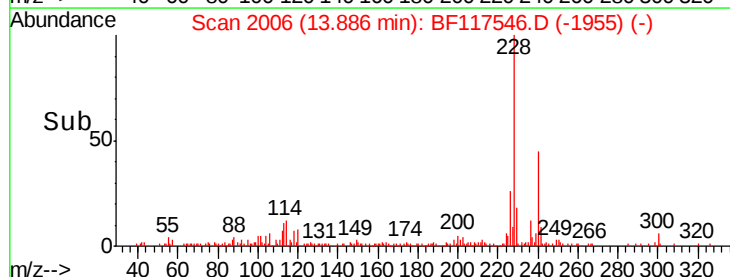
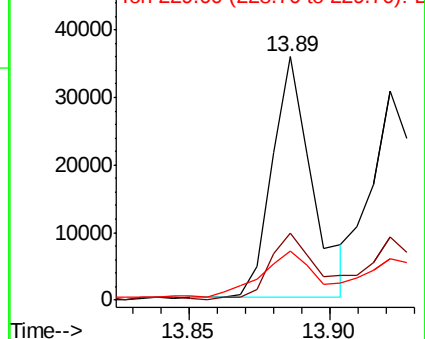


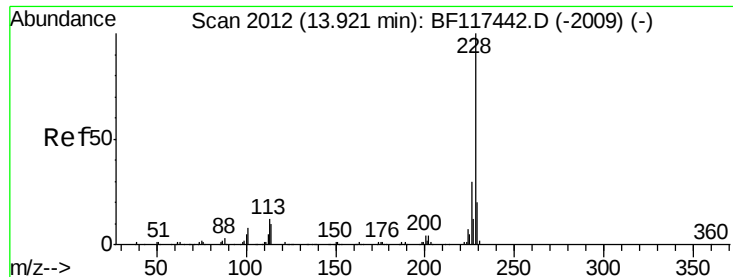
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

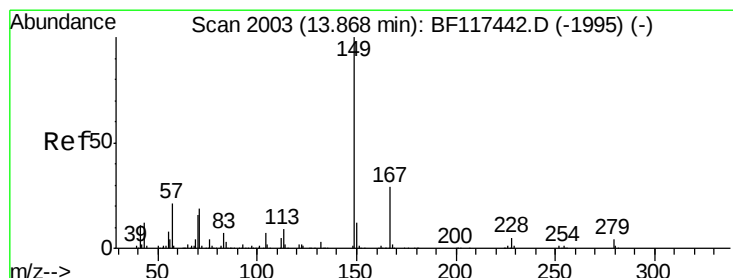
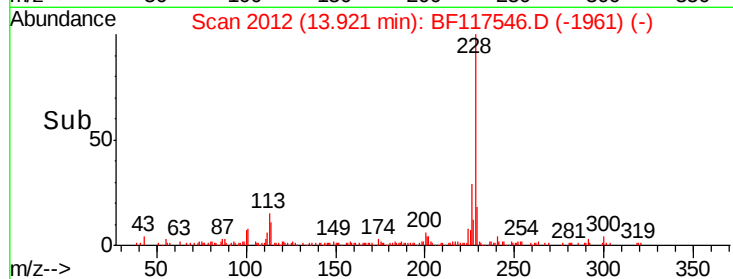
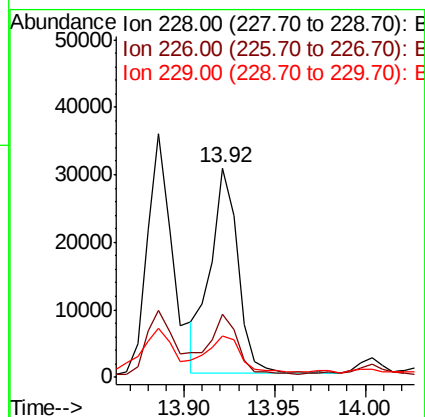
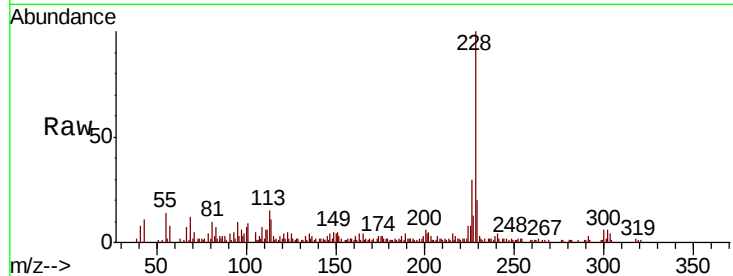




#83
Chrysene
Concen: 7.221 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

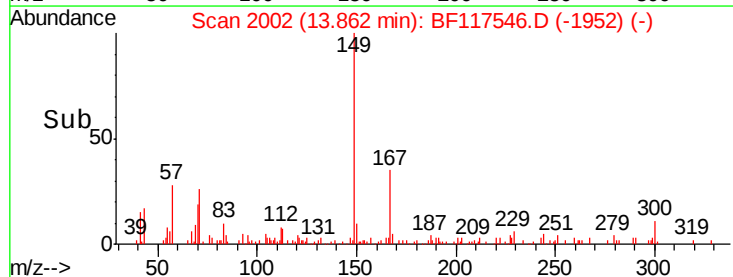
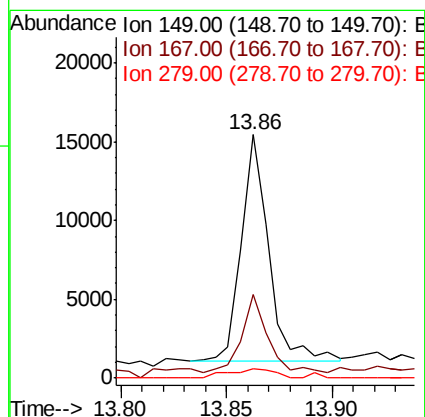
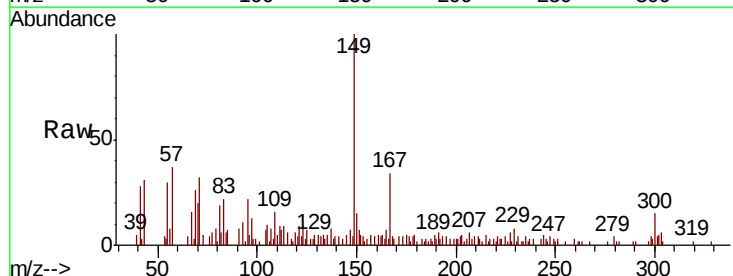
Instrument :
BNA_F
ClientSampleId :
702-27-(0-1)

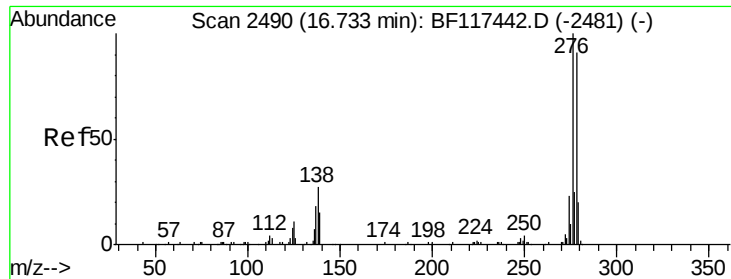
Tot	Ion:228	Resp:	32386
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.9	35.9
229	19.8	15.8	23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.160 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

Tgt Ion:149	Resp: 12838
Ion Ratio	Lower Upper
149 100	
167 34.4	23.3 34.9
279 3.9	3.2 4.8

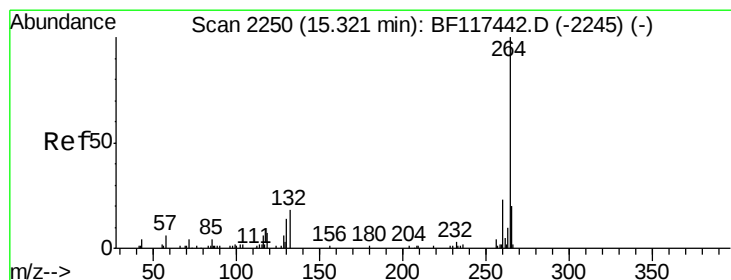
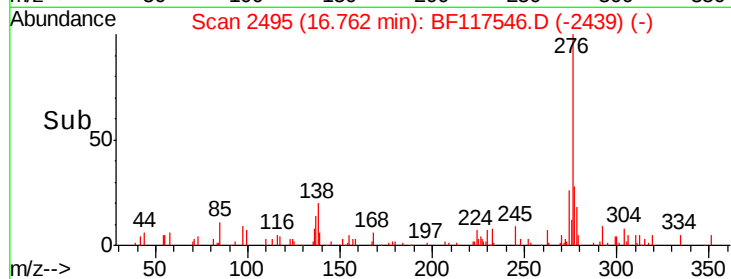
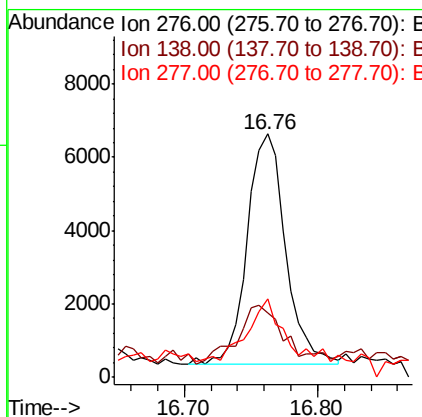
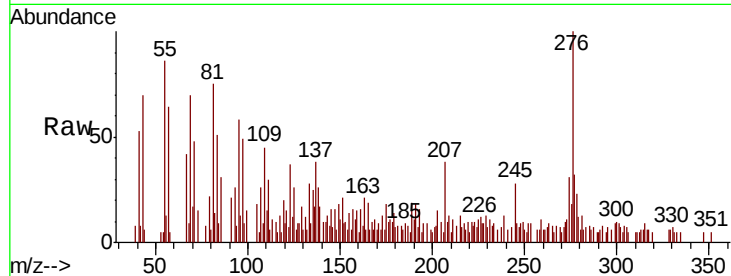




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.727 ng
 RT: 16.76 min Scan# 2495
 Delta R.T. 0.03 min
 Lab File: BF117546.D
 Acq: 25 Oct 2019 19:47

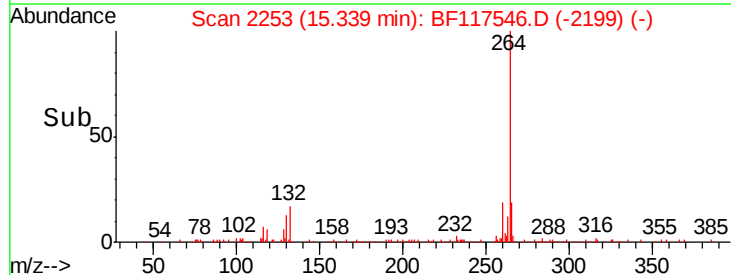
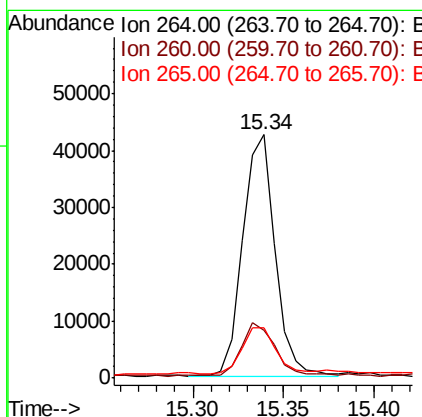
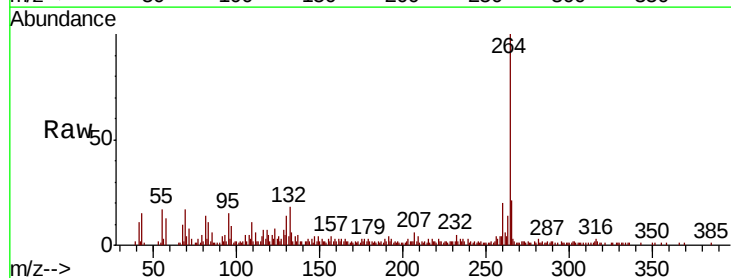
Instrument :
 BNA_F
 ClientSampleId :
 702-27-(0-1)

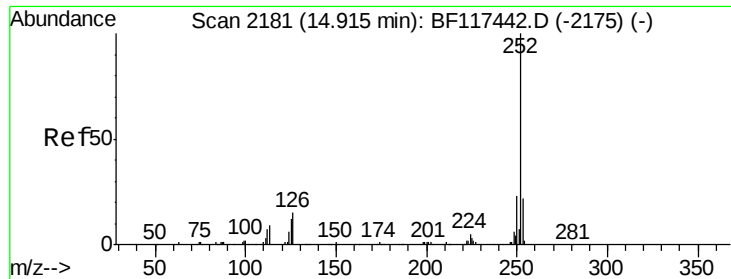
Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	32.0	21.8	32.8	
277	25.9	20.0	30.0	



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. 0.02 min
 Lab File: BF117546.D
 Acq: 25 Oct 2019 19:47

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	19.5	18.4	27.6	
265	20.5	16.1	24.1	

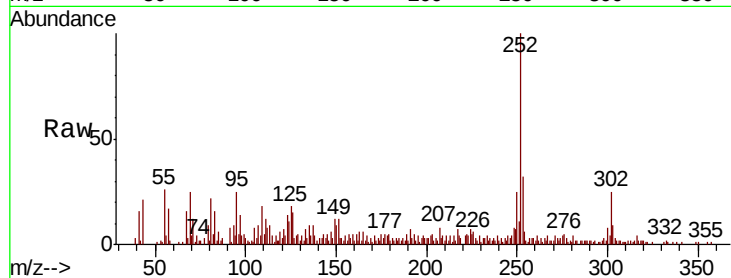




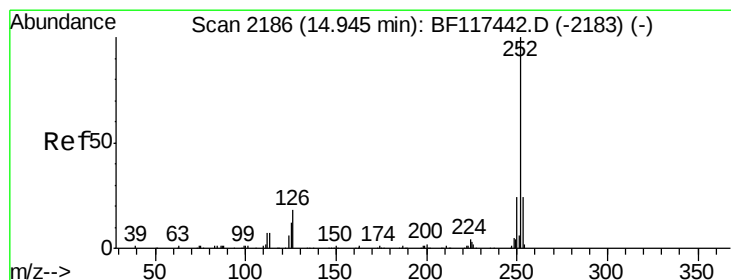
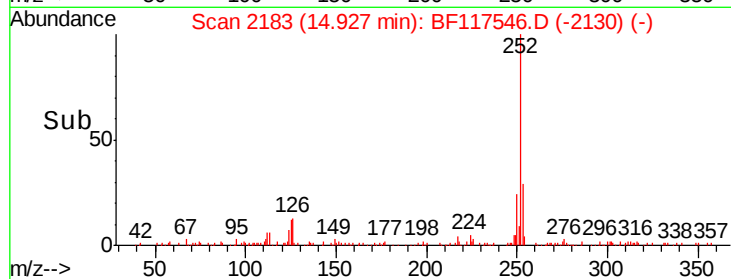
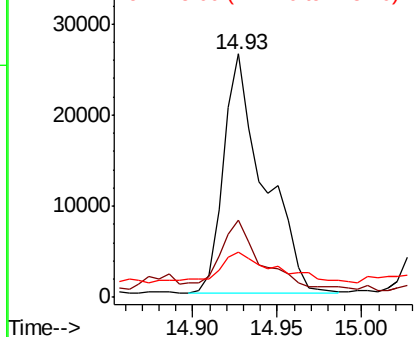
#88
Benzo(b)fluoranthene
Concen: 14.051 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

Instrument :
BNA_F
ClientSampleId :
702-27-(0-1)

Tot Ion:252 Resp: 43616
Ion Ratio Lower Upper
252 100
253 31.8 17.8 26.6#
125 18.4 9.9 14.9#

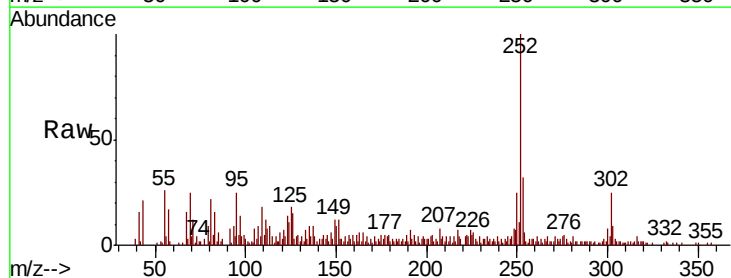


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

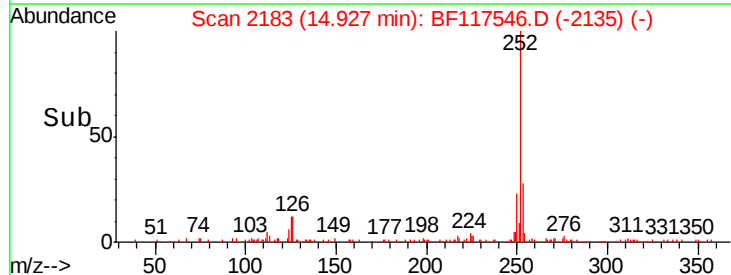
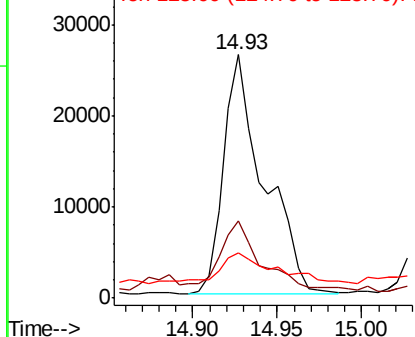


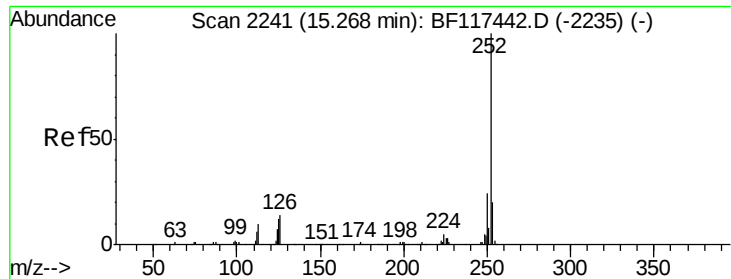
#89
Benzo(k)fluoranthene
Concen: 13.709 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117546.D
Acq: 25 Oct 2019 19:47

Tgt Ion:252 Resp: 43616
Ion Ratio Lower Upper
252 100
253 31.8 18.0 27.0#
125 18.4 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: 7.031 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF117546.D

Acq: 25 Oct 2019 19:47

Instrument :

BNA_F

ClientSampleId :

702-27-(0-1)

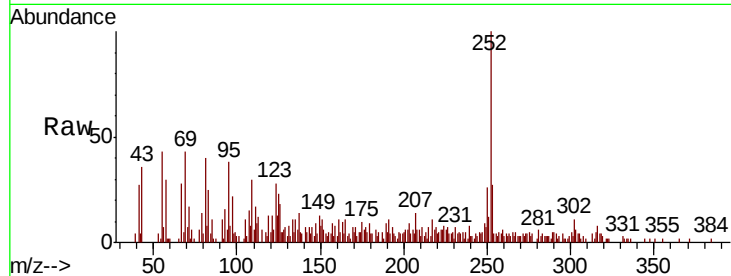
Tot Ion:252 Resp: 19844

Ion Ratio Lower Upper

252 100

253 27.4 16.3 24.5#

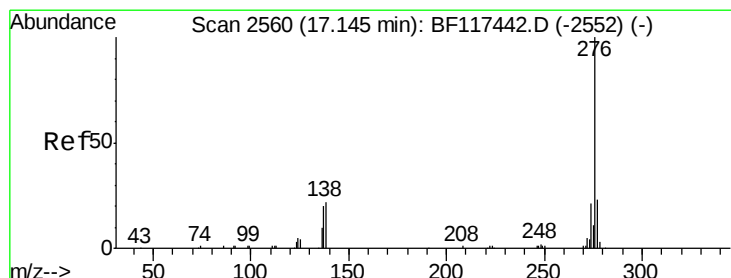
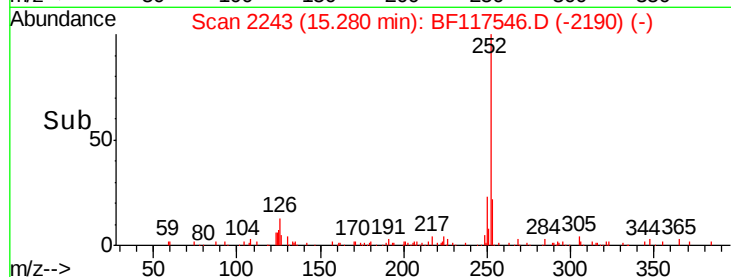
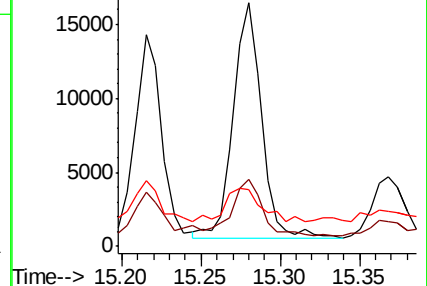
125 23.2 9.2 13.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 5.225 ng

RT: 17.19 min Scan# 2568

Delta R.T. 0.05 min

Lab File: BF117546.D

Acq: 25 Oct 2019 19:47

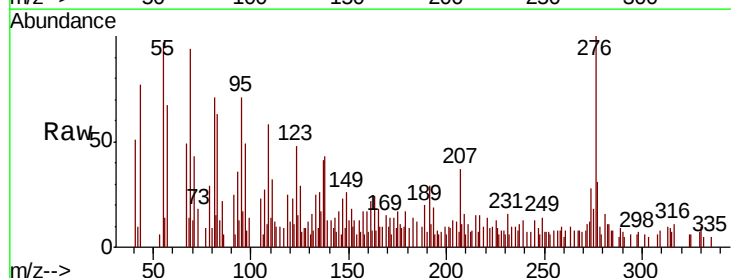
Tgt Ion:276 Resp: 12066

Ion Ratio Lower Upper

276 100

277 31.0 18.4 27.6#

138 43.5 17.8 26.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

