

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117544.D
 Acq On : 25 Oct 2019 18:53
 Operator : JU
 Sample : K5500-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 800-50-(0-2)

Quant Time: Oct 26 00:13:16 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

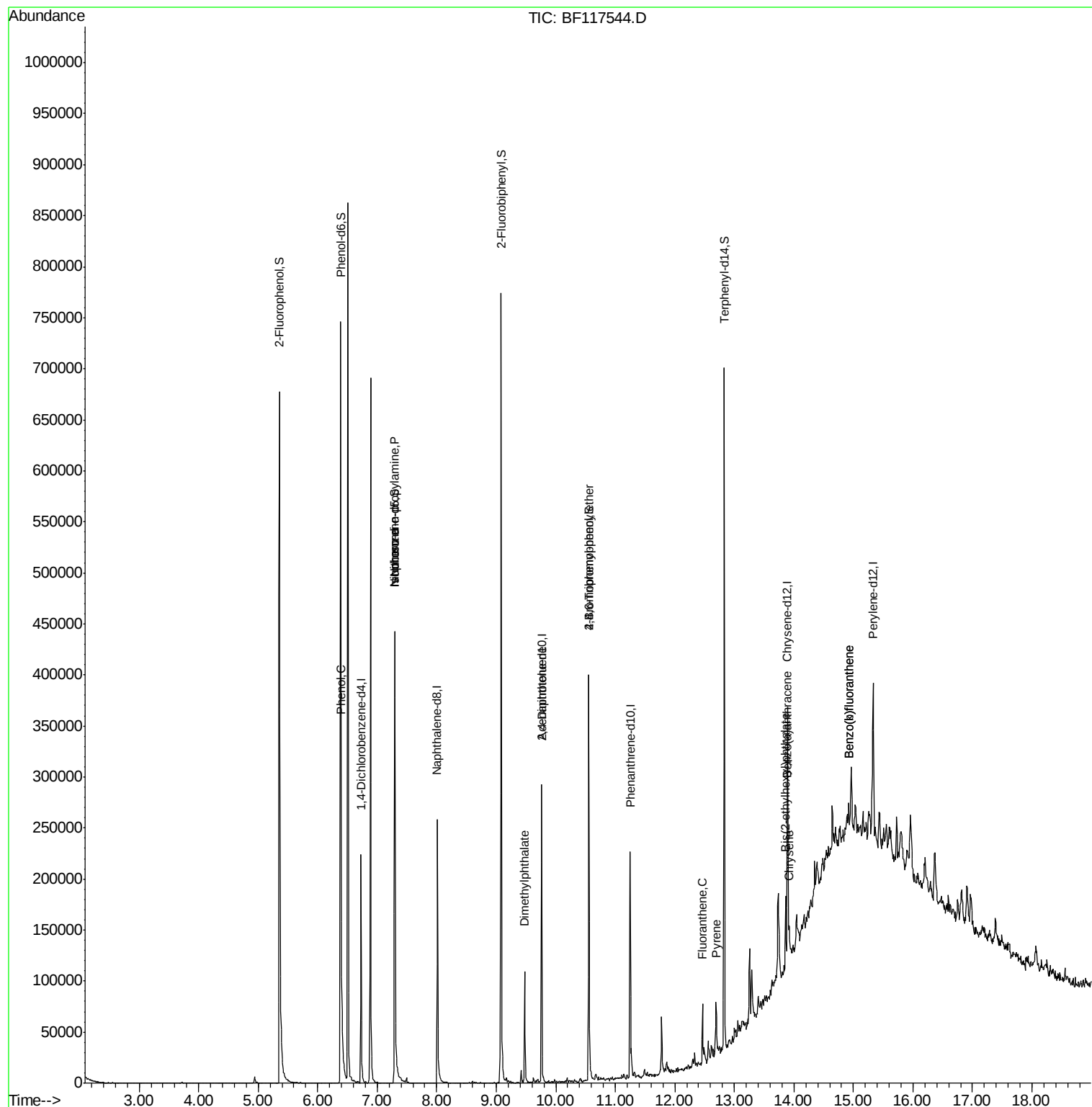
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	36009	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	131885	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	57909	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	90186	20.00	ng	0.00
76) Chrysene-d12	13.89	240	75366	20.00	ng	0.00
87) Perylene-d12	15.33	264	59759	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	239461	98.93	ng	0.00
7) Phenol-d6	6.39	99	308466	94.89	ng	0.00
23) Nitrobenzene-d5	7.29	82	186938	69.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	44870	89.55	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	250086	60.85	ng	-0.01
79) Terphenyl-d14	12.83	244	210480	45.55	ng	0.00
Target Compounds				Qvalue		
10) Phenol	6.40	94	8683	2.617	ng	88
19) n-Nitroso-di-n-propylamine	7.29	70	23922	12.049	ng	# 80
25) Isophorone	7.29	82	186936	40.450	ng	# 65
50) Dimethylphthalate	9.48	163	41716	10.105	ng	100
57) 2,4-Dinitrotoluene	9.76	165	7193	6.280	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	2778	2.860	ng	# 1
75) Fluoranthene	12.46	202	22178	4.230	ng	97
77) Benzidine	12.83	184	3199	Below Cal		# 94
78) Pyrene	12.69	202	20989	3.242	ng	97
81) Benzo(a)anthracene	13.88	228	11220	2.207	ng	96
83) Chrysene	13.92	228	11212	2.250	ng	# 92
84) Bis(2-ethylhexyl)phthalate	13.86	149	19112	4.235	ng	94
88) Benzo(b)fluoranthene	14.93	252	15870	4.497	ng	# 55
89) Benzo(k)fluoranthene	14.93	252	15870	4.388	ng	# 55

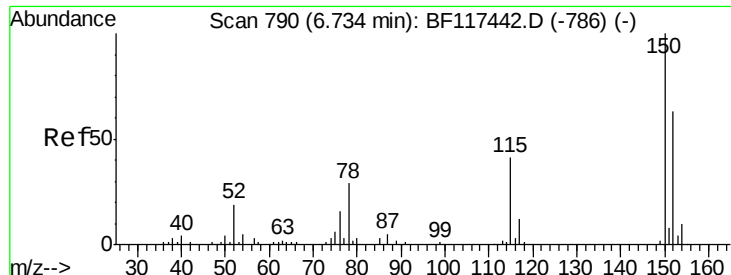
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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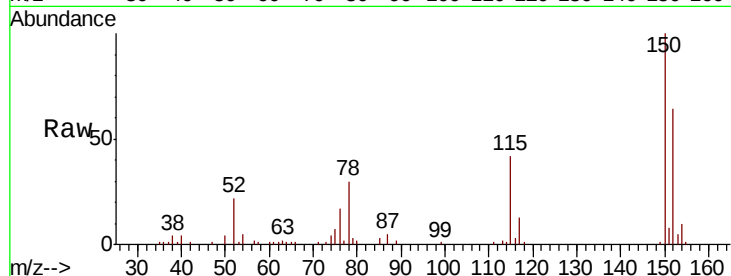


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF117544.D
 Acq: 25 Oct 2019 18:53

Instrument :
 BNA_F
 ClientSampleId :
 800-50-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.8	190.2
115	64.9	51.6	77.4

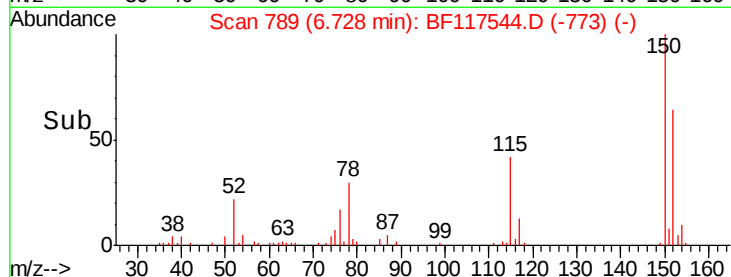
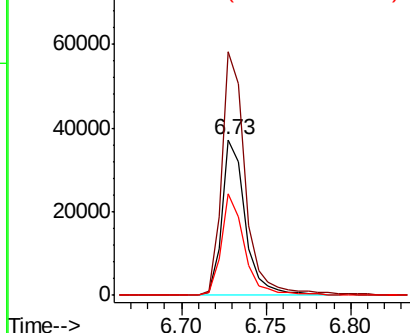


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

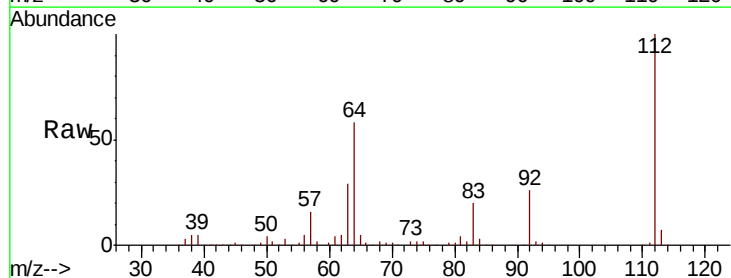
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 98.933 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF117544.D
 Acq: 25 Oct 2019 18:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	44.1	66.1
63	29.4	23.4	35.2

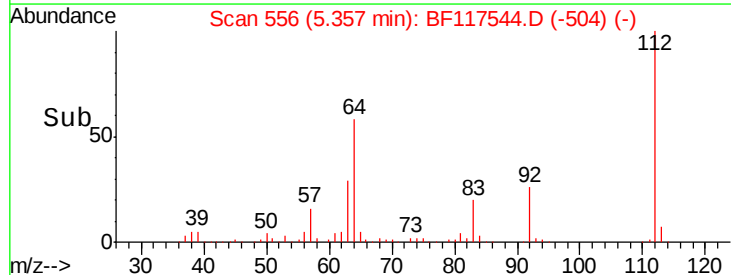
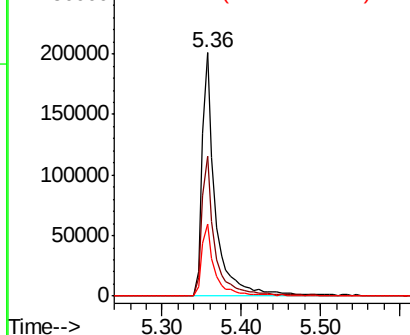


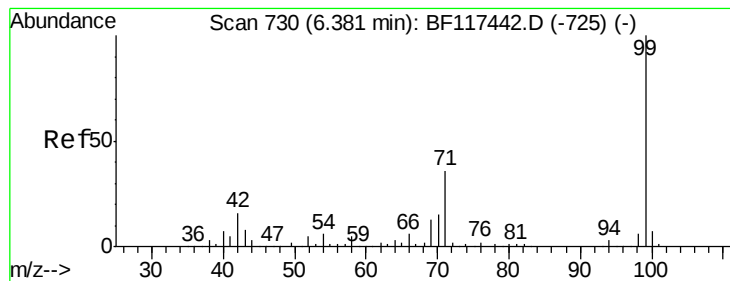
Abundance

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: 94.886 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117544.D

Acq: 25 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

800-50-(0-2)

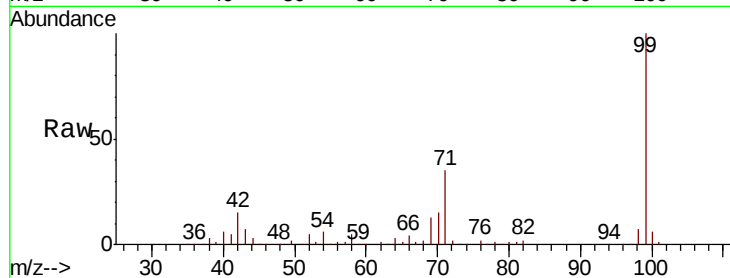
Tot Ion: 99 Resp: 308466

Ion Ratio Lower Upper

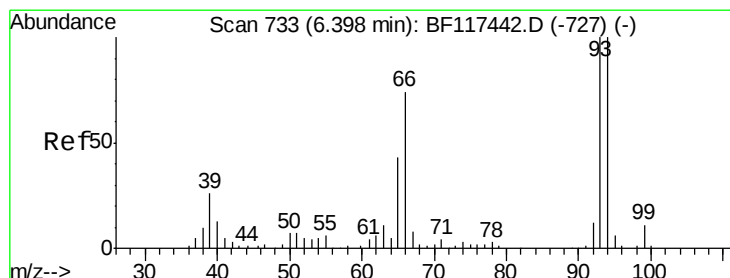
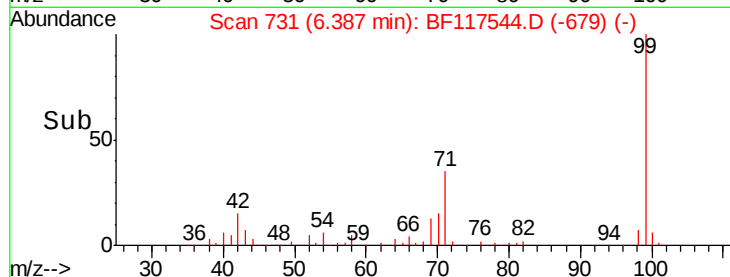
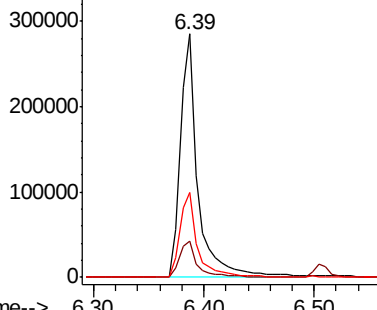
99 100

42 14.9 12.8 19.2

71 35.1 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: 2.617 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF117544.D

Acq: 25 Oct 2019 18:53

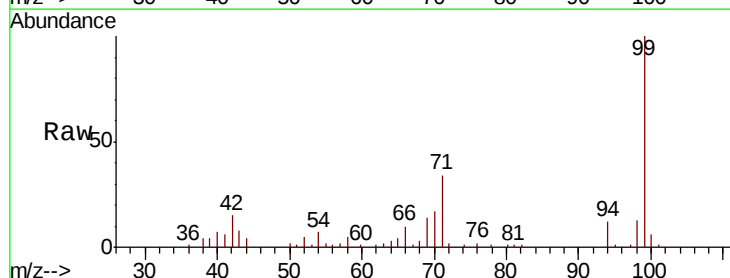
Tgt Ion: 94 Resp: 8683

Ion Ratio Lower Upper

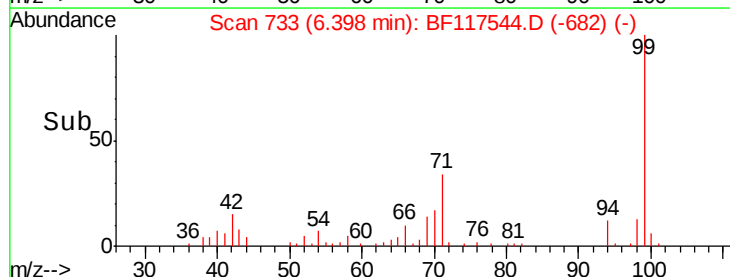
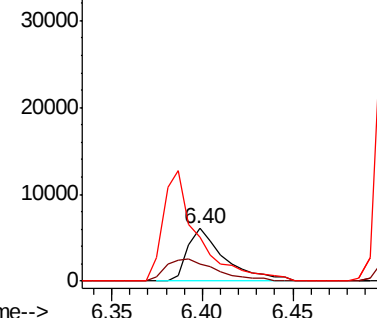
94 100

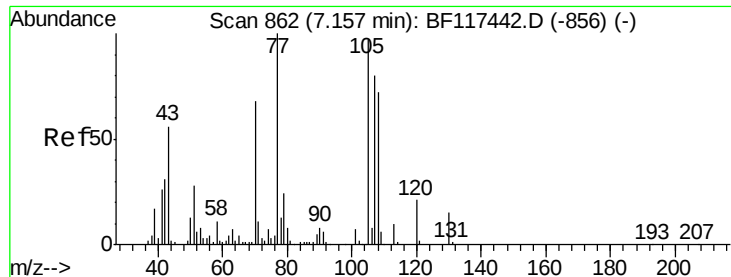
65 33.2 23.4 63.4

66 82.8 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

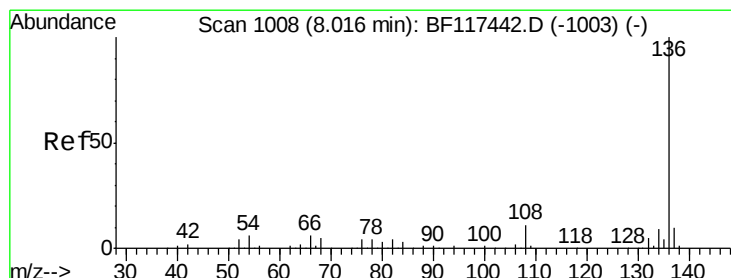
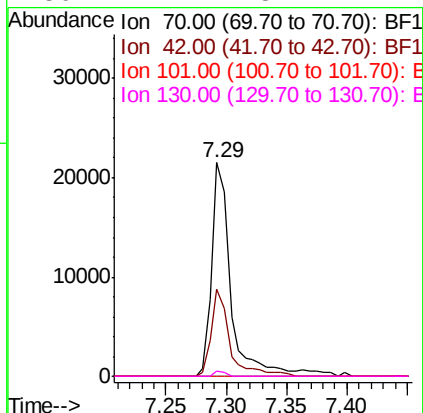
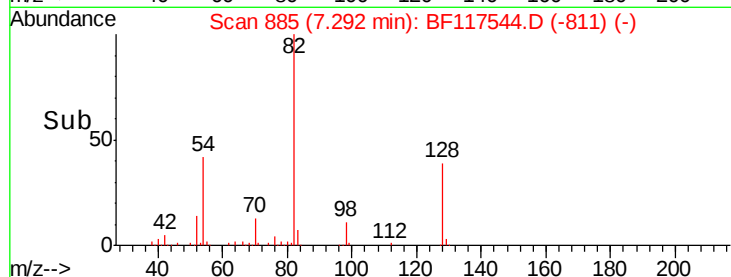
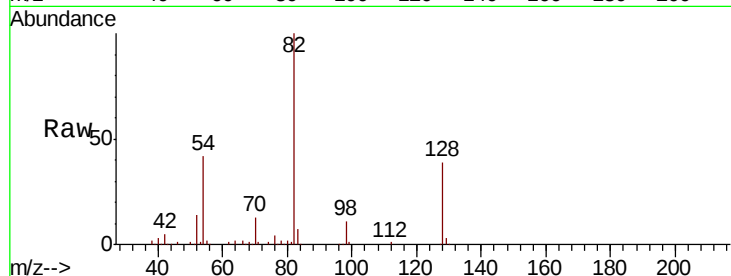




#19
n-Nitroso-di-n-propylamine
Concen: 12.049 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117544.D
Acq: 25 Oct 2019 18:53

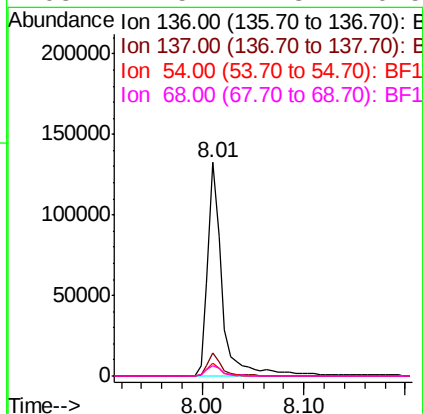
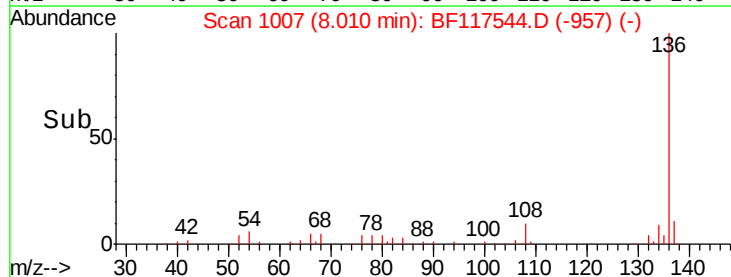
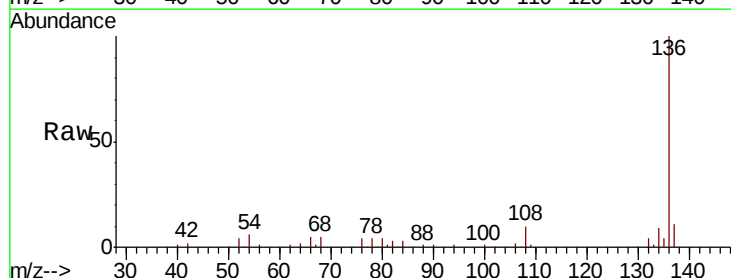
Instrument :
BNA_F
ClientSampleId :
800-50-(0-2)

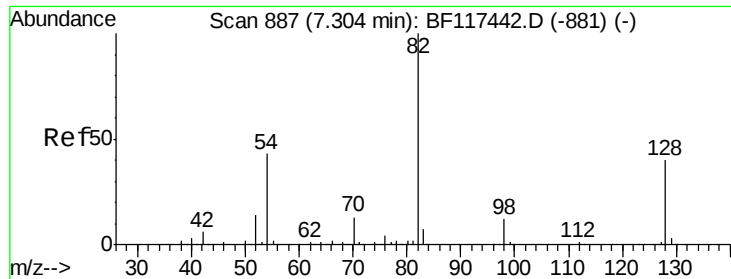
Tot Ion: 70 Resp: 23922
Ion Ratio Lower Upper
70 100
42 41.0 36.7 55.1
101 0.0 8.3 12.5#
130 2.4 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117544.D
Acq: 25 Oct 2019 18:53

Tgt Ion:136 Resp: 131885
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 6.2 4.5 6.7
68 4.5 4.3 6.5

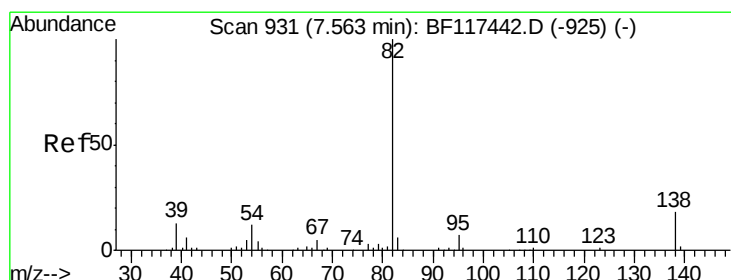
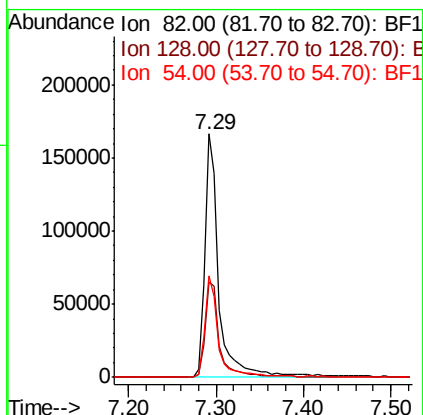
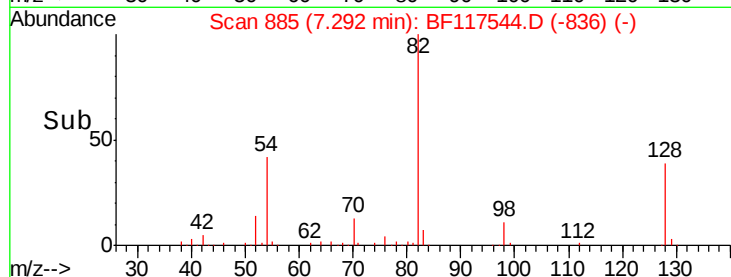
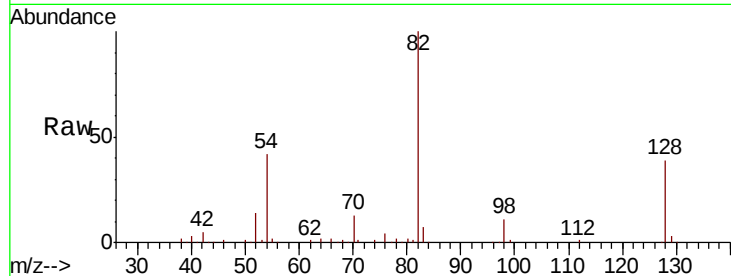




#23
 Nitrobenzene-d5
 Concen: 69.976 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117544.D
 Acq: 25 Oct 2019 18:53

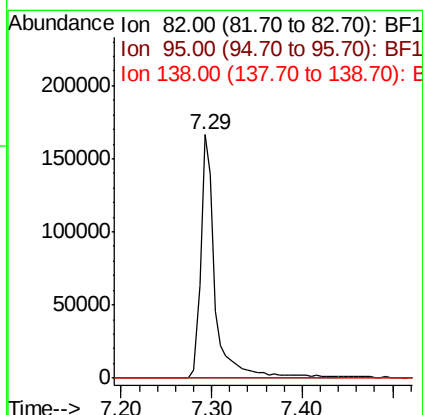
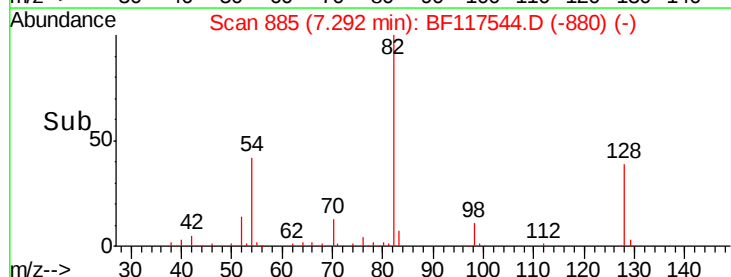
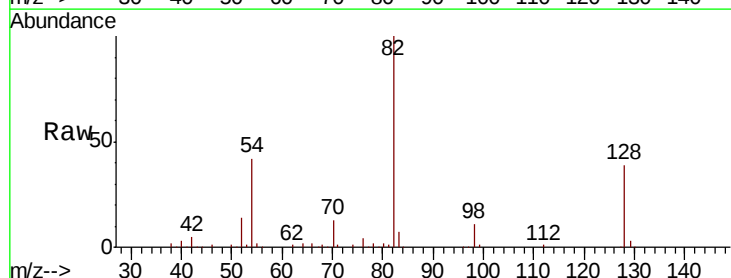
Instrument :
 BNA_F
 ClientSampleId :
 800-50-(0-2)

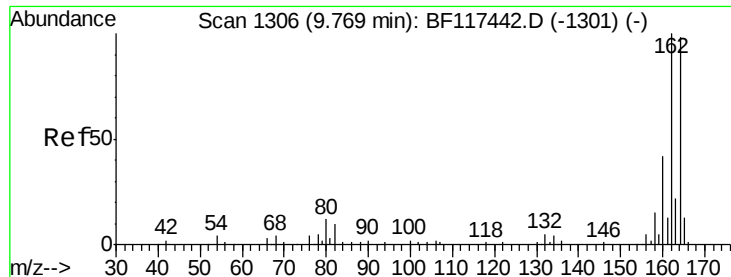
Tot Ion	82	Resp	186938
Ion Ratio	Lower	Upper	
82	100		
128	39.1	32.2	48.2
54	42.0	34.2	51.2



#25
 Isophorone
 Concen: 40.450 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.27 min
 Lab File: BF117544.D
 Acq: 25 Oct 2019 18:53

Tgt Ion	82	Resp	186936
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#

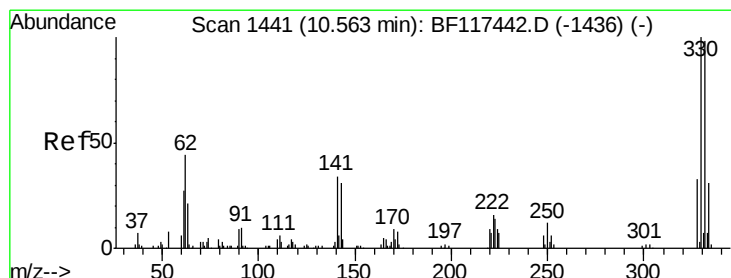
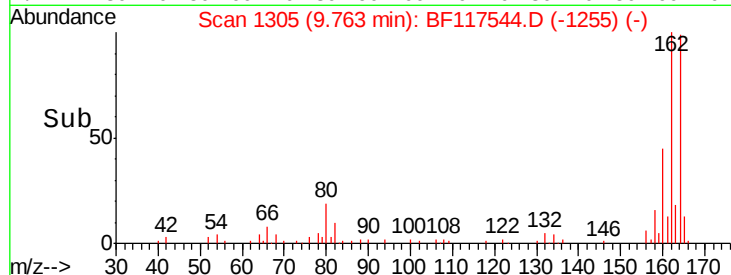
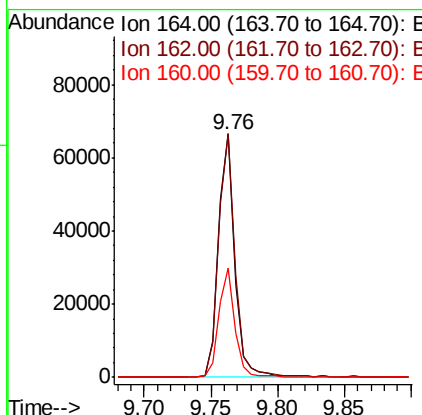
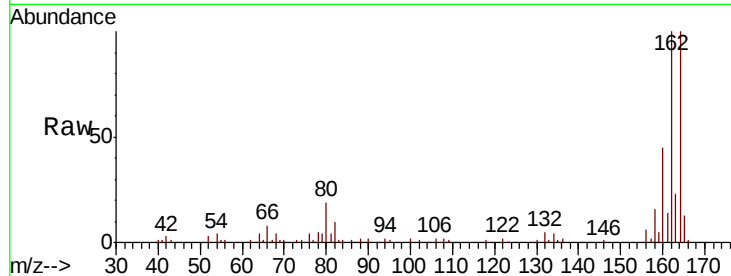




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117544.D
Acq: 25 Oct 2019 18:53

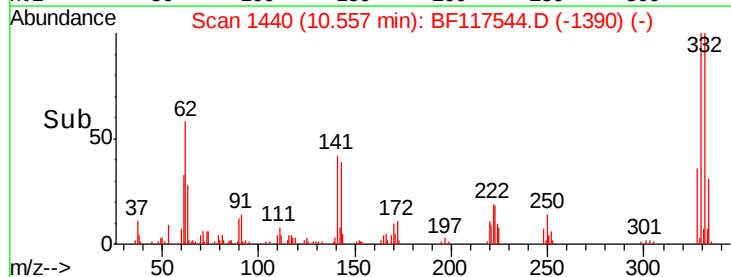
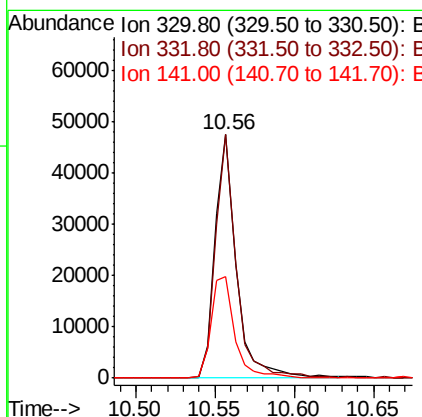
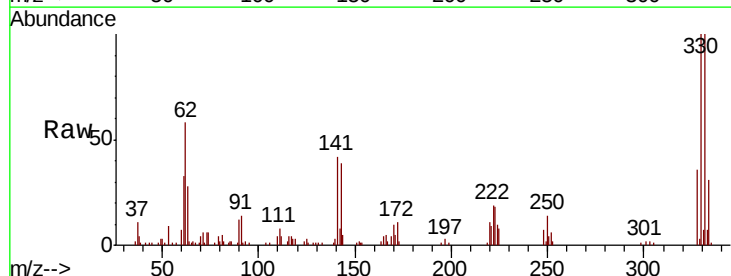
Instrument :
BNA_F
ClientSampleId :
800-50-(0-2)

Tot Ion:164 Resp: 57909
Ion Ratio Lower Upper
164 100
162 99.9 81.8 122.6
160 44.7 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 89.550 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117544.D
Acq: 25 Oct 2019 18:53

Tgt Ion:330 Resp: 44870
Ion Ratio Lower Upper
330 100
332 96.9 78.5 117.7
141 46.1 37.0 55.6

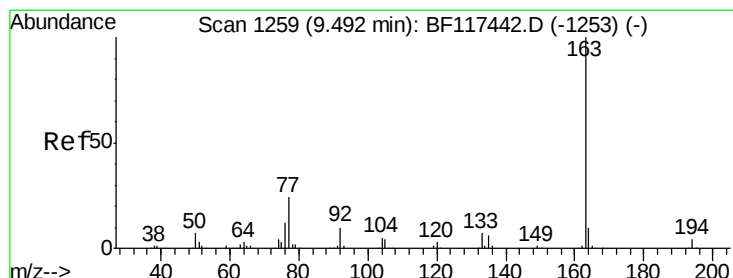
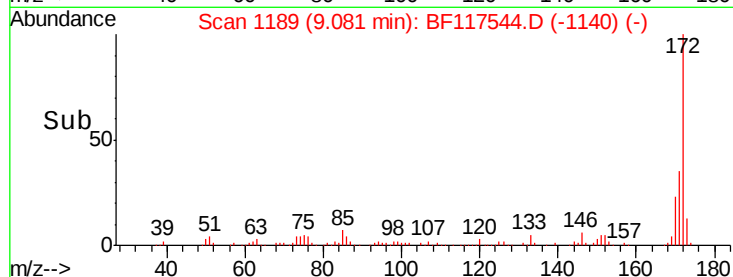
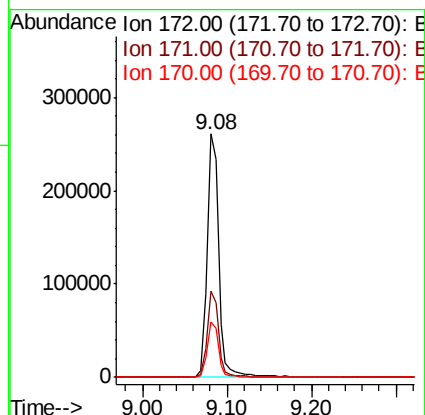
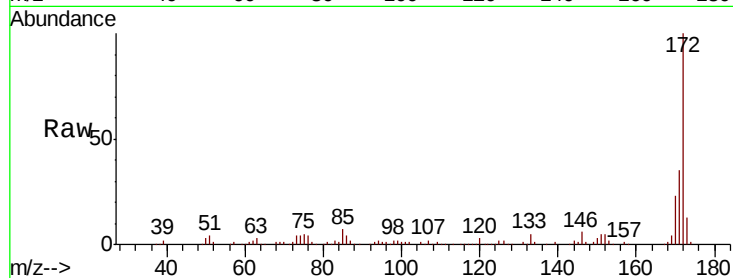




#45
2-Fluorobiphenyl
Concen: 60.849 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117544.D
Acq: 25 Oct 2019 18:53

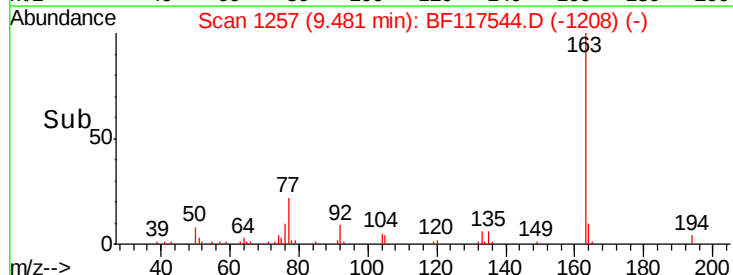
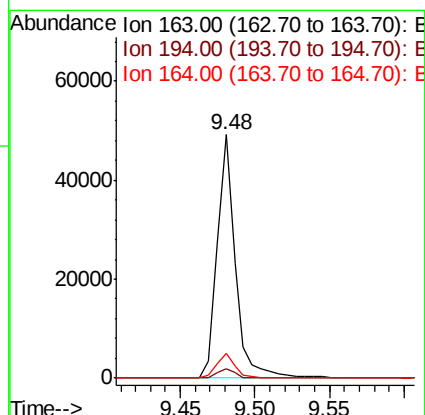
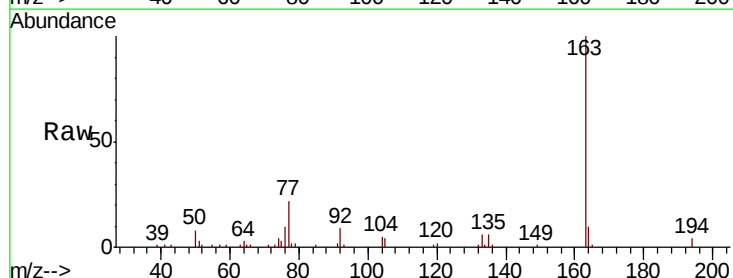
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ClientSampleId :
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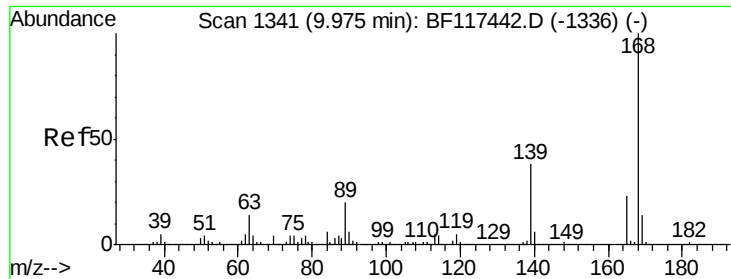
Tot Ion:172 Resp: 250086
Ion Ratio Lower Upper
172 100
171 35.2 27.5 41.3
170 22.5 18.6 27.8



#50
Dimethylphthalate
Concen: 10.105 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117544.D
Acq: 25 Oct 2019 18:53

Tgt Ion:163 Resp: 41716
Ion Ratio Lower Upper
163 100
194 3.8 2.9 4.3
164 10.4 8.2 12.2

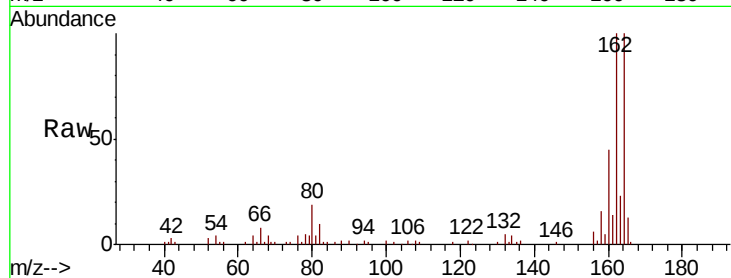




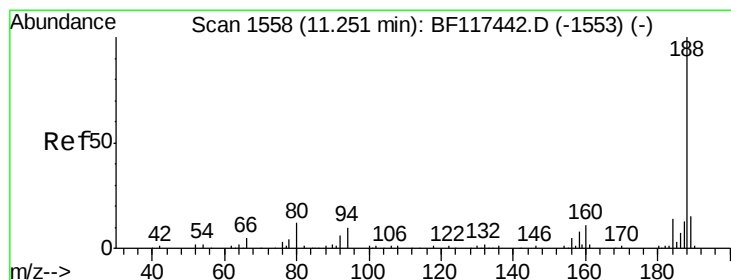
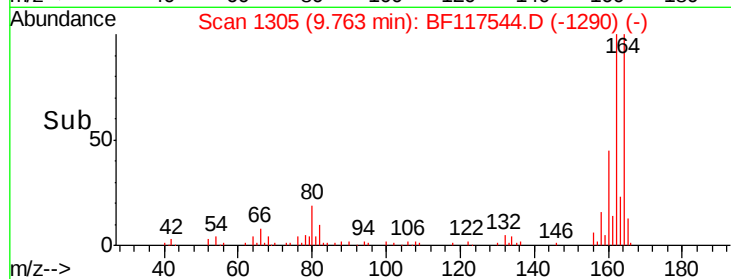
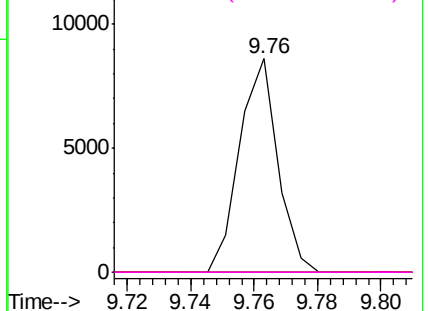
#57
 2,4-Dinitrotoluene
 Concen: 6.280 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117544.D
 Acq: 25 Oct 2019 18:53

Instrument :
 BNA_F
 ClientSampleId :
 800-50-(0-2)

Tot Ion:165 Resp: 7193
 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#

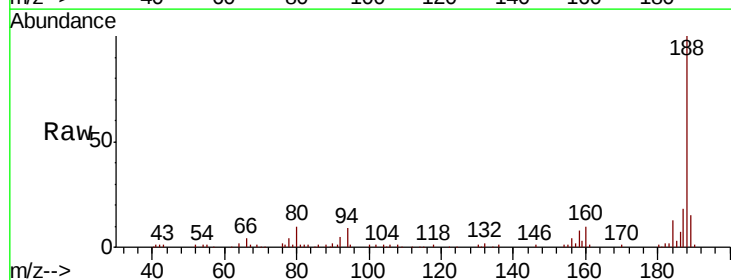


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

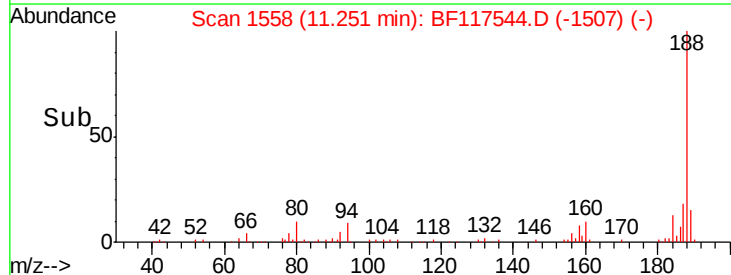
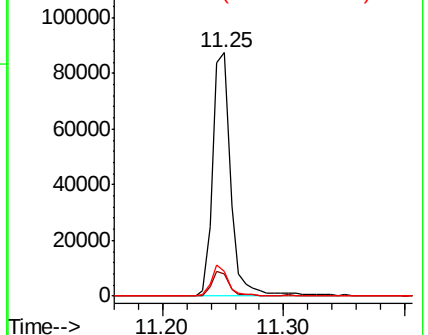


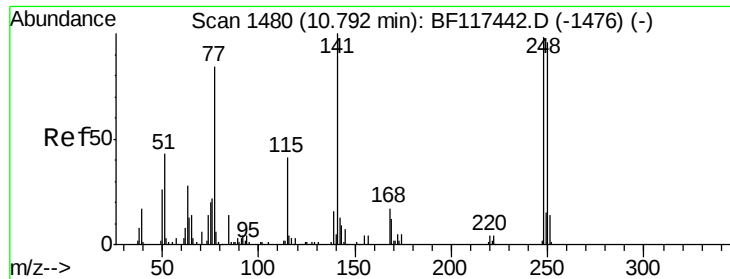
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF117544.D
 Acq: 25 Oct 2019 18:53

Tgt Ion:188 Resp: 90186
 Ion Ratio Lower Upper
 188 100
 94 8.9 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: 2.860 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117544.D

Acq: 25 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

800-50-(0-2)

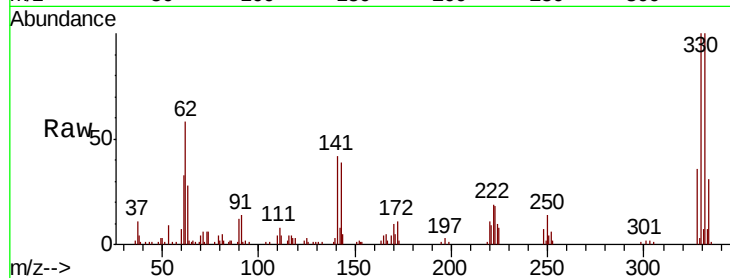
Tot Ion:248 Resp: 2778

Ion Ratio Lower Upper

248 100

250 207.0 78.0 117.0#

141 627.5 81.7 122.5#

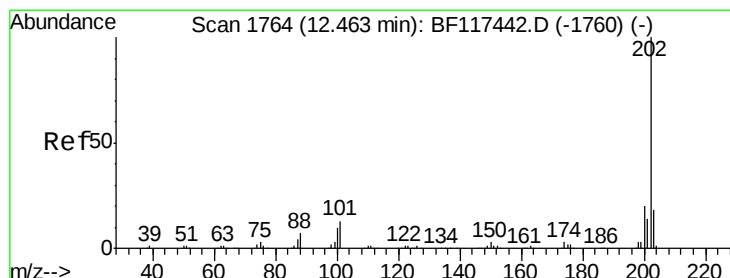
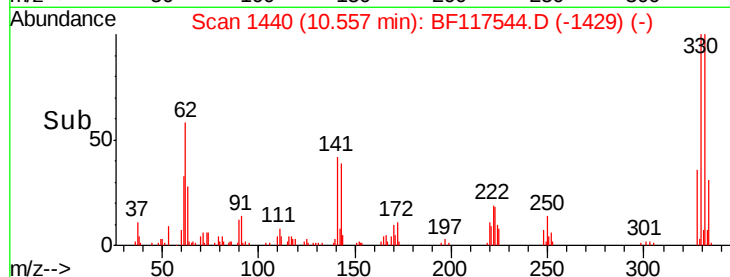
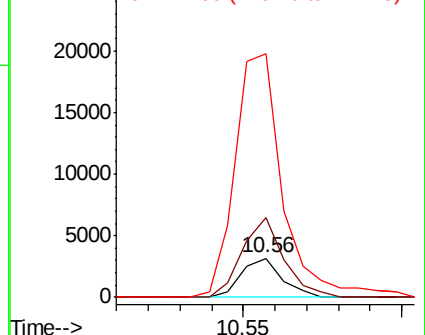


Abundance

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: 4.230 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117544.D

Acq: 25 Oct 2019 18:53

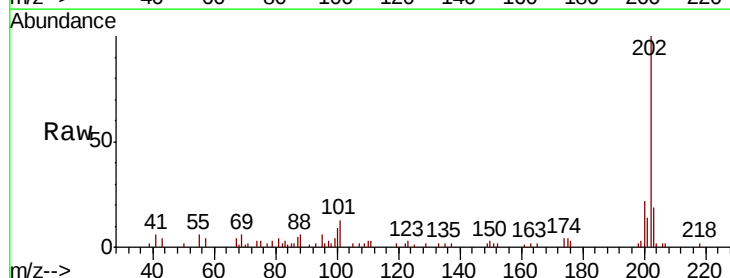
Tgt Ion:202 Resp: 22178

Ion Ratio Lower Upper

202 100

101 12.9 0.0 32.7

203 19.3 0.0 37.6

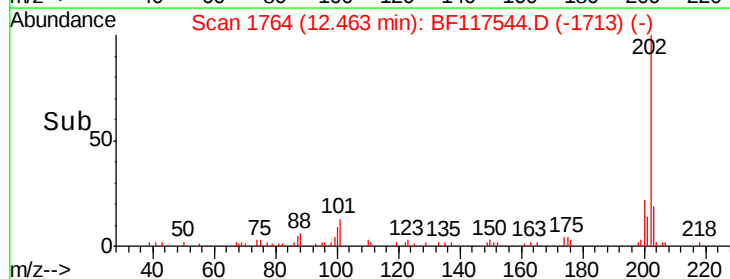
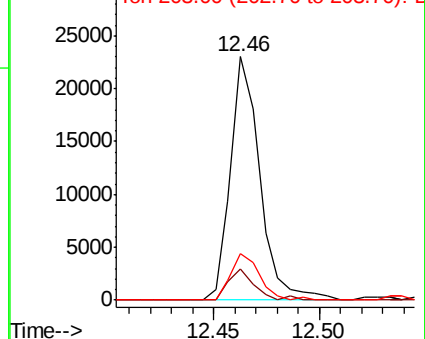


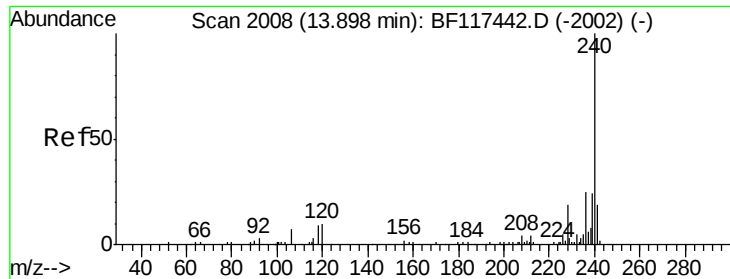
Abundance

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

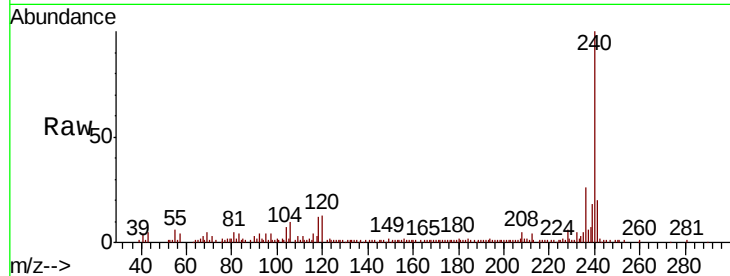




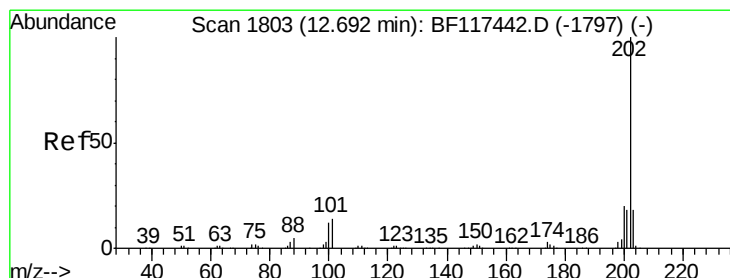
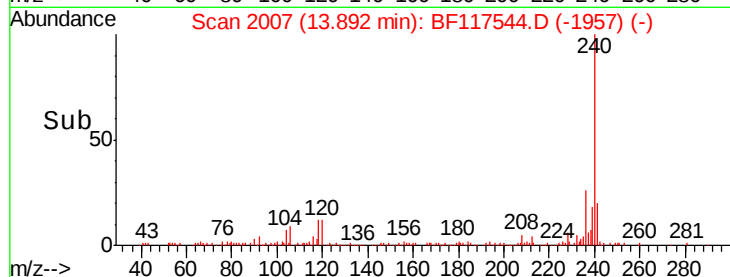
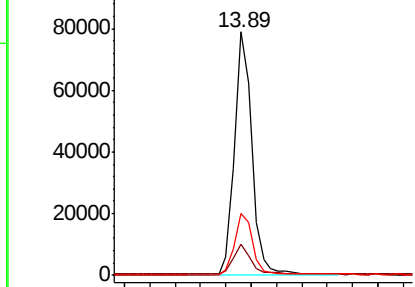
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117544.D
Acq: 25 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
800-50-(0-2)

Tot Ion:240 Resp: 75366
Ion Ratio Lower Upper
240 100
120 13.0 8.4 12.6#
236 25.6 20.0 30.0

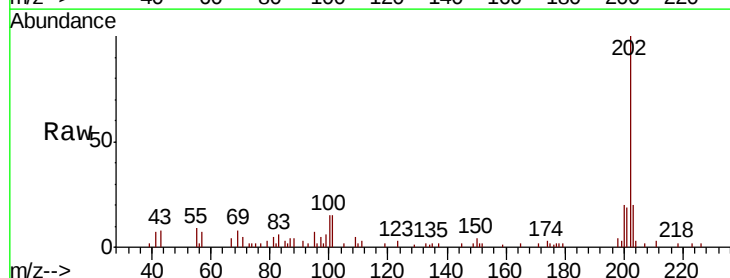


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

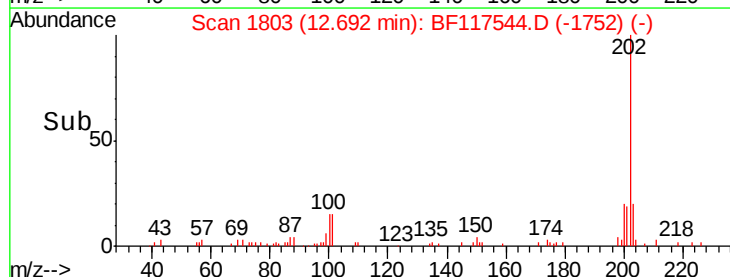
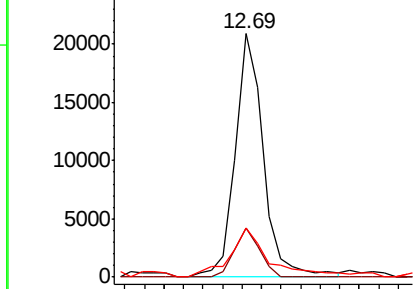


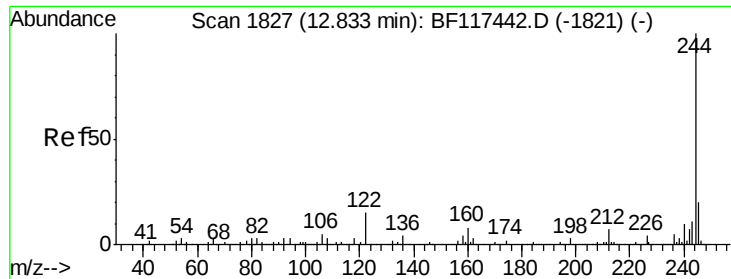
#78
Pyrene
Concen: 3.242 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF117544.D
Acq: 25 Oct 2019 18:53

Tgt Ion:202 Resp: 20989
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.2
203 20.0 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

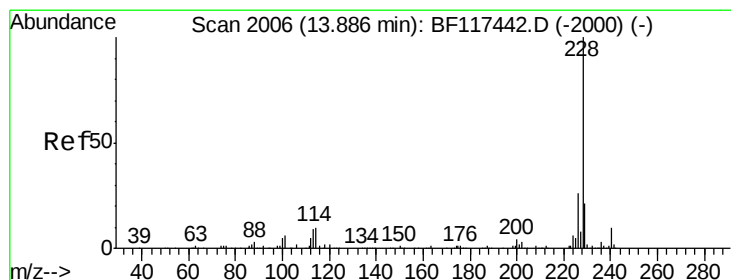
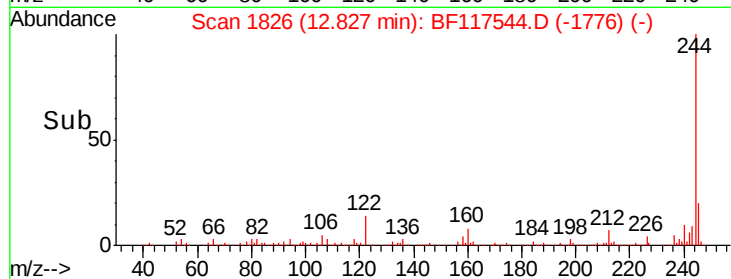
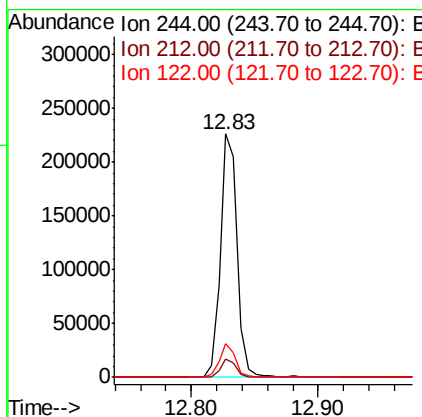
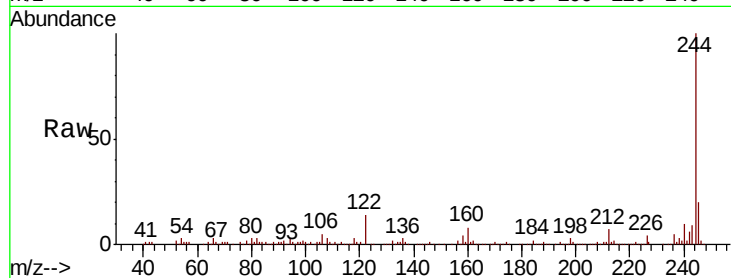




#79
 Terphenyl-d14
 Concen: 45.553 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117544.D
 Acq: 25 Oct 2019 18:53

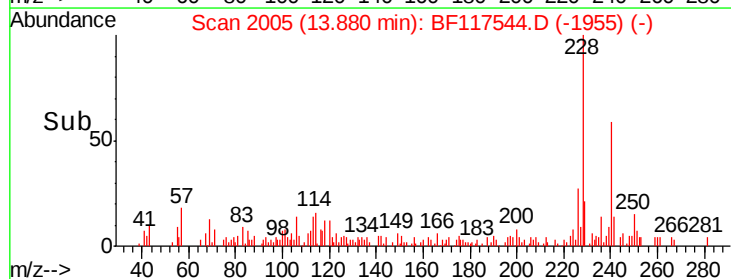
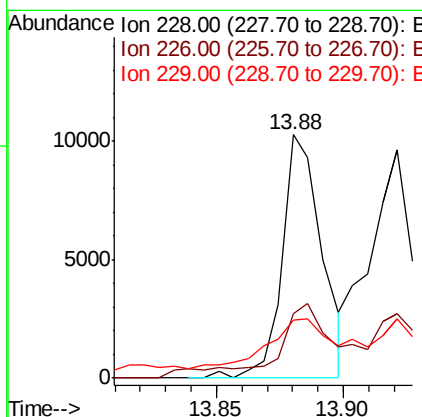
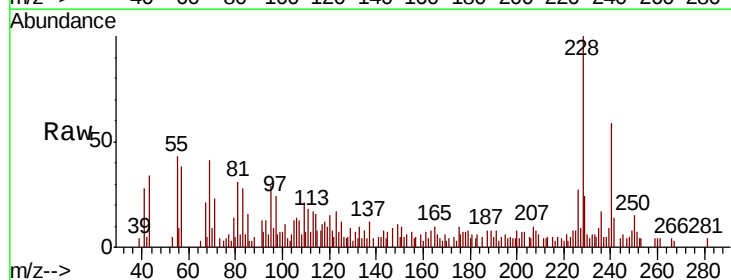
Instrument :
 BNA_F
 ClientSampleId :
 800-50-(0-2)

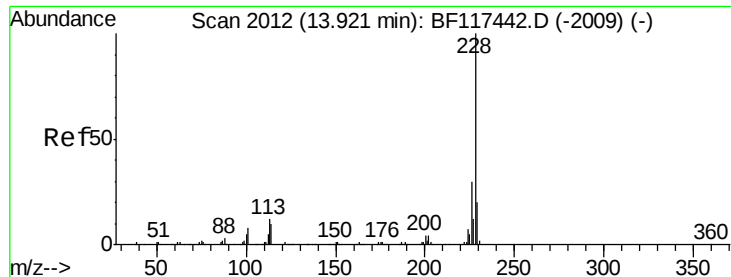
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	13.8	11.8	17.8



#81
 Benzo(a)anthracene
 Concen: 2.207 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117544.D
 Acq: 25 Oct 2019 18:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.0	31.4
229	23.9	16.4	24.6





#83

Chrysene

Concen: 2.250 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.00 min

Lab File: BF117544.D

Acq: 25 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

800-50-(0-2)

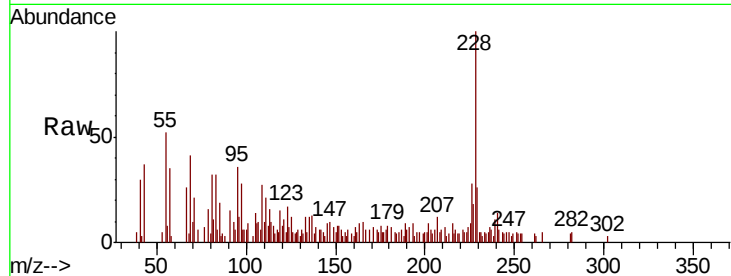
Tot Ion:228 Resp: 11212

Ion Ratio Lower Upper

228 100

226 28.0 23.9 35.9

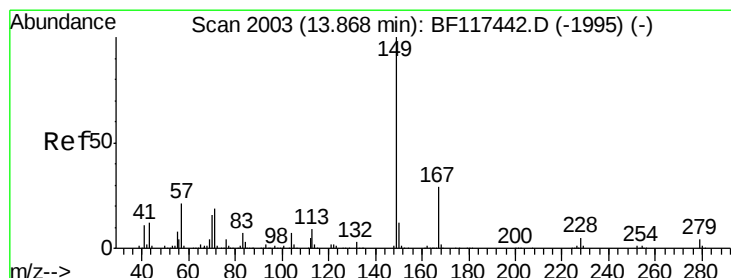
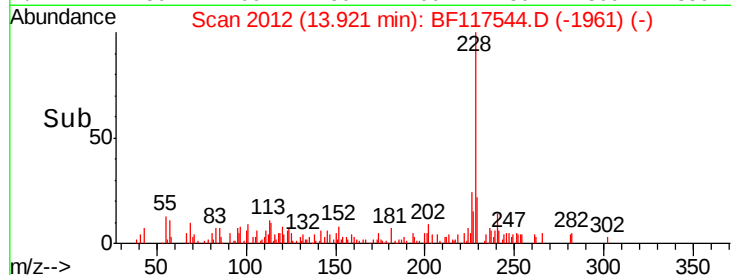
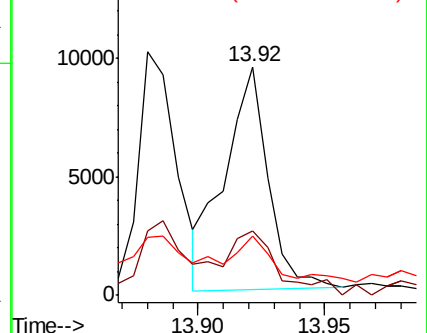
229 26.1 15.8 23.6#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.235 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117544.D

Acq: 25 Oct 2019 18:53

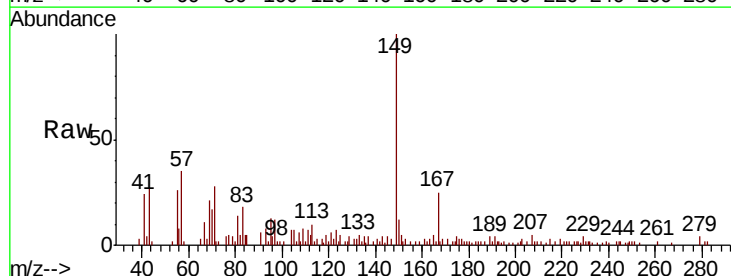
Tgt Ion:149 Resp: 19112

Ion Ratio Lower Upper

149 100

167 25.4 23.3 34.9

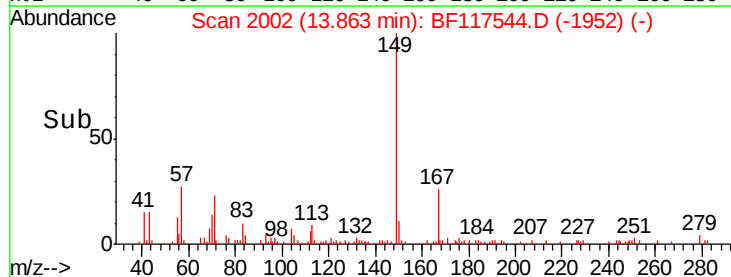
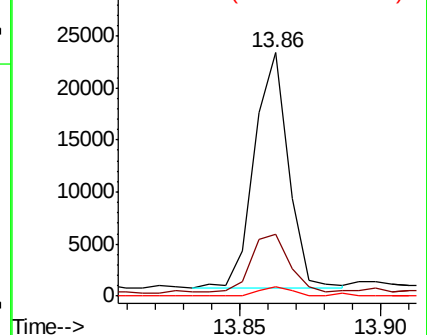
279 3.8 3.2 4.8

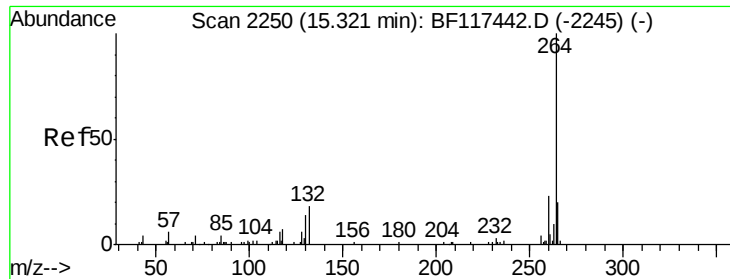


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

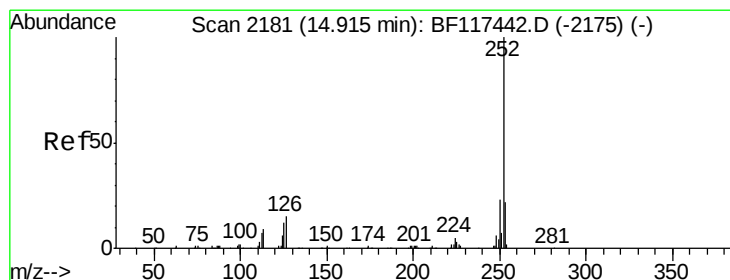
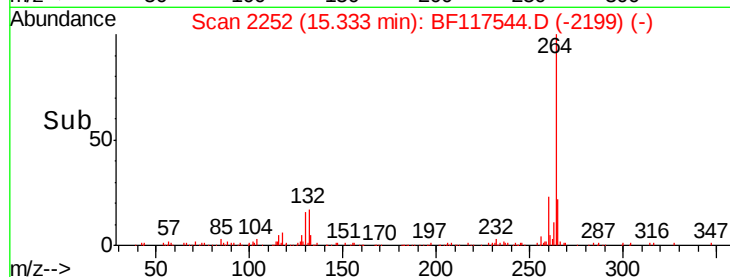
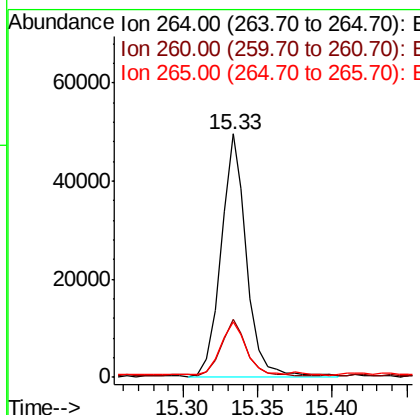
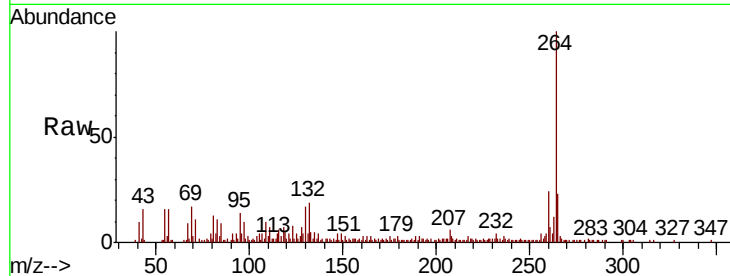




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117544.D
Acq: 25 Oct 2019 18:53

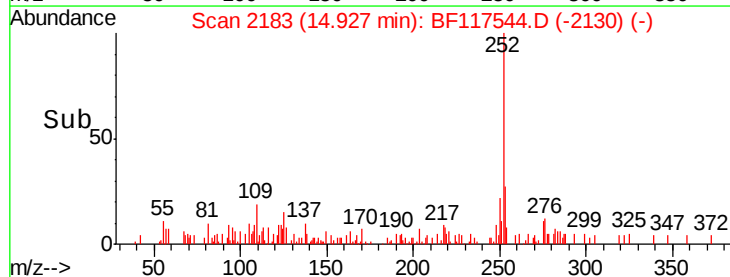
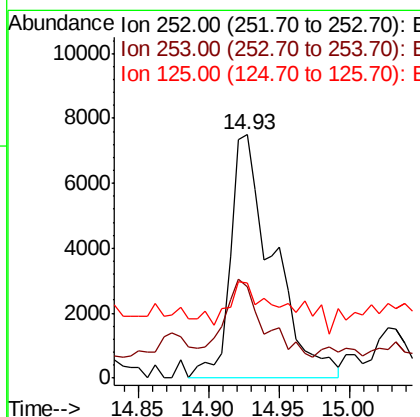
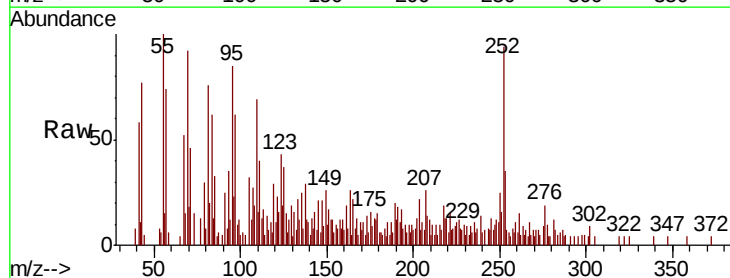
Instrument :
BNA_F
ClientSampleId :
800-50-(0-2)

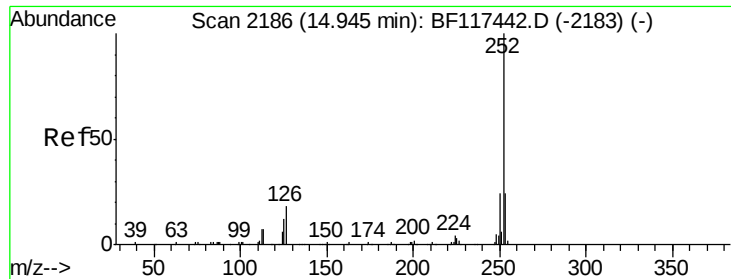
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.4	27.6
265	22.9	16.1	24.1



#88
Benzo(b)fluoranthene
Concen: 4.497 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117544.D
Acq: 25 Oct 2019 18:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.4	17.8	26.6#
125	39.2	9.9	14.9#





#89

Benzo(k)fluoranthene

Concen: 4.388 ng

RT: 14.93 min Scan# 2183

Delta R.T. -0.02 min

Lab File: BF117544.D

Acq: 25 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

800-50-(0-2)

Tot Ion:252 Resp: 15870

Ion Ratio Lower Upper

252 100

253 37.4 18.0 27.0#

125 39.2 8.9 13.3#

