

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117538.D
 Acq On : 25 Oct 2019 16:12
 Operator : JU
 Sample : K5500-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 802-50-(0-1.1)

Quant Time: Oct 26 00:11:52 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	37789	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	147009	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	74094	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	114809	20.00	ng	0.00
76) Chrysene-d12	13.89	240	77736	20.00	ng	0.00
87) Perylene-d12	15.33	264	80454	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	279565	110.06	ng	0.00
7) Phenol-d6	6.38	99	381932	111.95	ng	0.00
23) Nitrobenzene-d5	7.29	82	240613	80.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	70556	110.05	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	390060	74.17	ng	-0.01
79) Terphenyl-d14	12.83	244	317355	66.59	ng	0.00

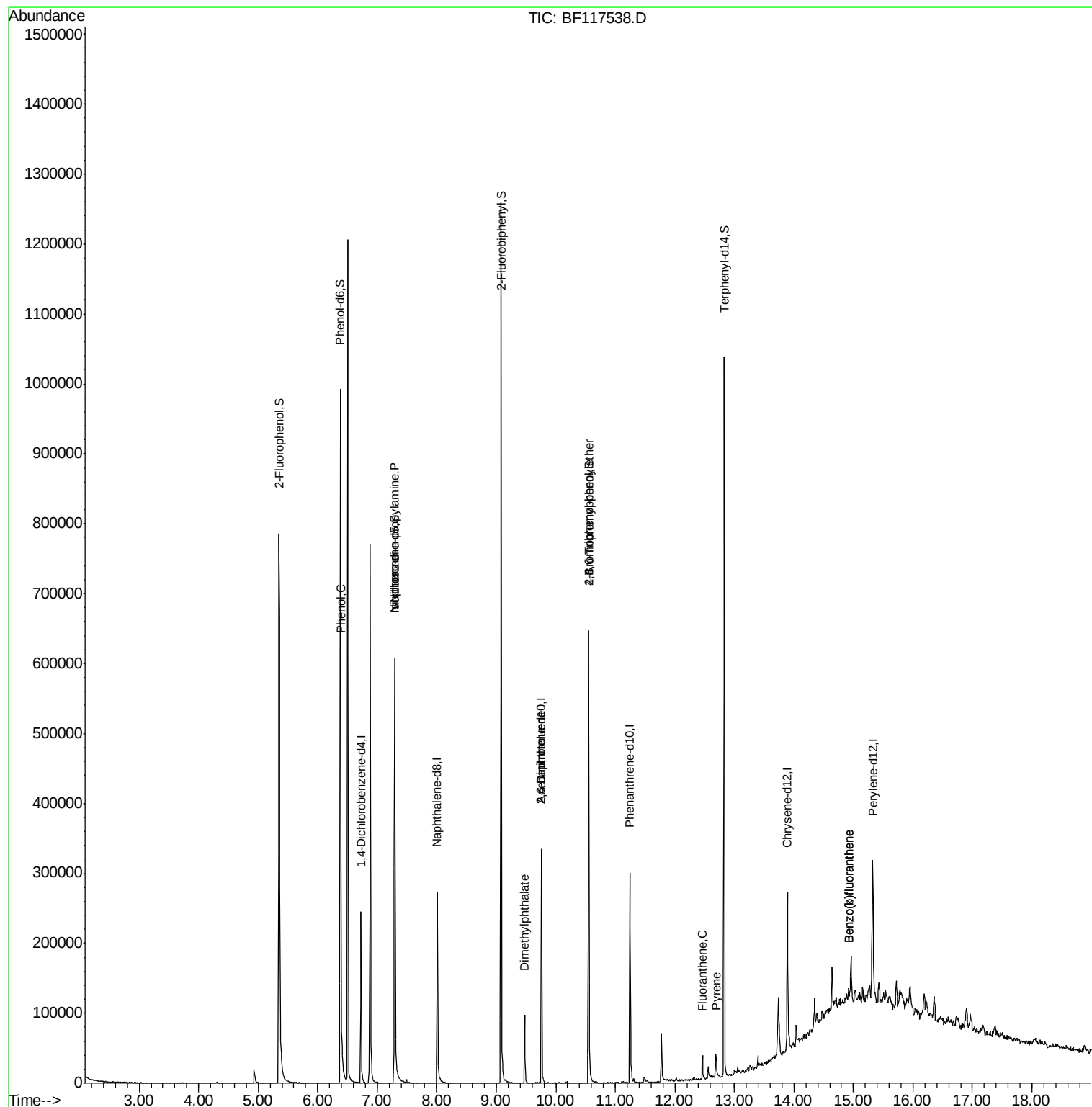
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	399	Below Cal		# 3
10) Phenol	6.39	94	9071	2.605	ng	93
19) n-Nitroso-di-n-propylamine	7.29	70	31722	15.225	ng	# 78
25) Isophorone	7.29	82	240611	46.708	ng	# 65
50) Dimethylphthalate	9.48	163	42412	8.029	ng	99
51) 2,6-Dinitrotoluene	9.76	165	9106	8.261	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	9106	6.214	ng	# 12
67) 4-Bromophenyl-phenylether	10.55	248	4618	3.734	ng	# 1
75) Fluoranthene	12.46	202	14503	2.173	ng	96
77) Benzidine	12.83	184	4548	Below Cal		97
78) Pyrene	12.69	202	14082	2.109	ng	97
88) Benzo(b)fluoranthene	14.92	252	11779	2.479	ng	# 70
89) Benzo(k)fluoranthene	14.92	252	11779	2.419	ng	# 69

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

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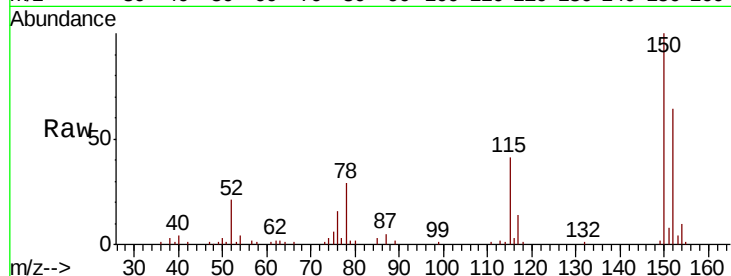


#1

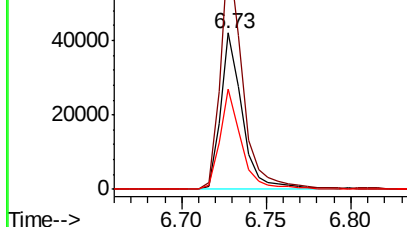
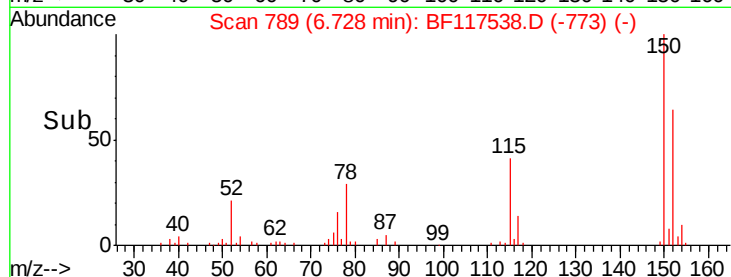
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117538.D
Acq: 25 Oct 2019 16:12

Instrument :
BNA_F
ClientSampleId :
802-50-(0-1.1)

Tot Ion:152 Resp: 37789
Ion Ratio Lower Upper
152 100
150 155.6 126.8 190.2
115 63.8 51.6 77.4



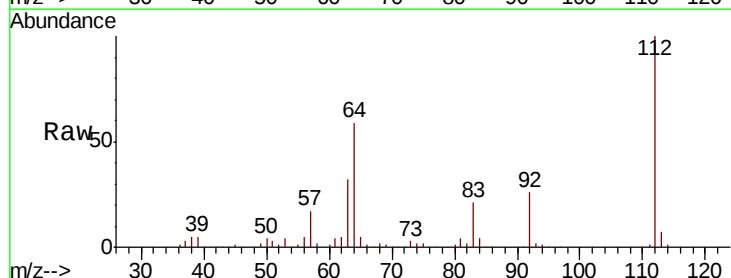
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



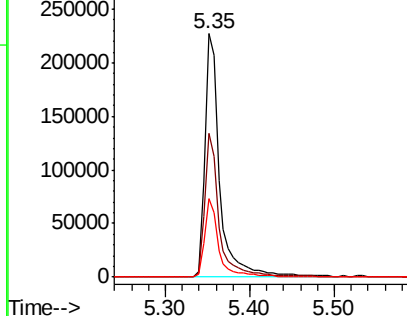
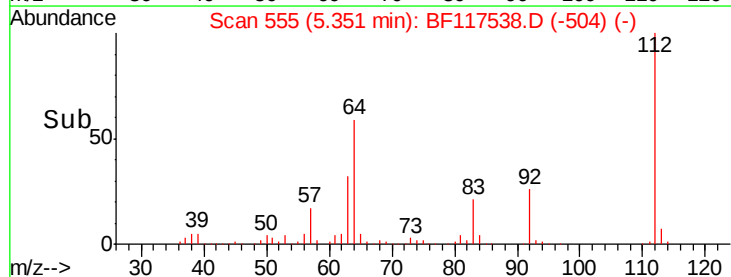
#5

2-Fluorophenol
Concen: 110.061 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117538.D
Acq: 25 Oct 2019 16:12

Tgt Ion:112 Resp: 279565
Ion Ratio Lower Upper
112 100
64 59.0 44.1 66.1
63 32.3 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: 111.950 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117538.D

Acq: 25 Oct 2019 16:12

Instrument :

BNA_F

ClientSampleId :

802-50-(0-1.1)

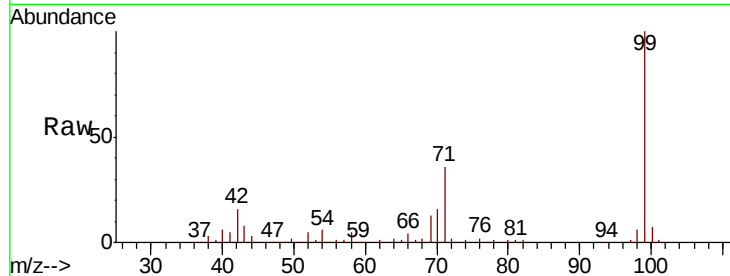
Tot Ion: 99 Resp: 381932

Ion Ratio Lower Upper

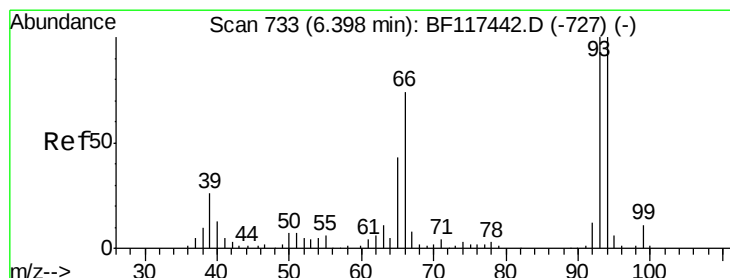
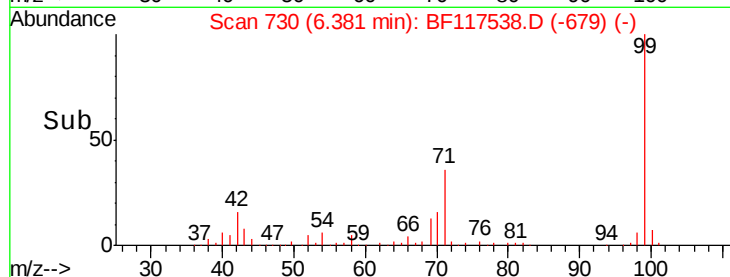
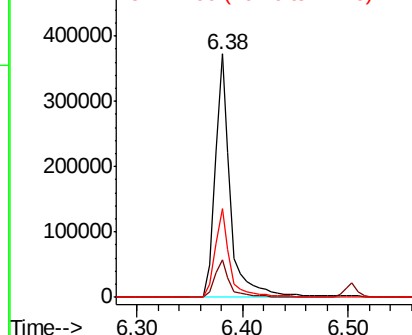
99 100

42 15.5 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: 2.605 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF117538.D

Acq: 25 Oct 2019 16:12

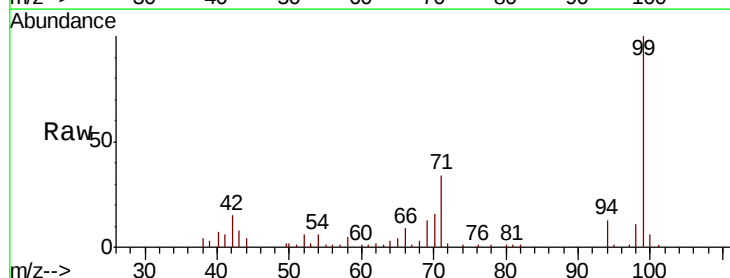
Tgt Ion: 94 Resp: 9071

Ion Ratio Lower Upper

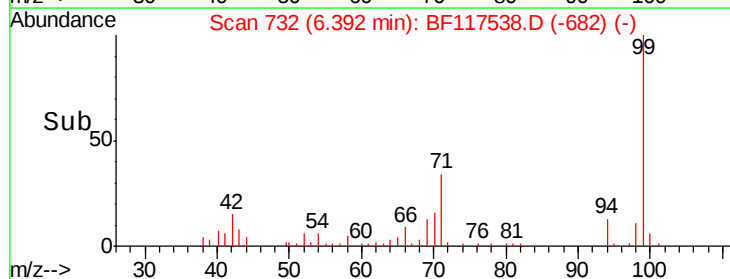
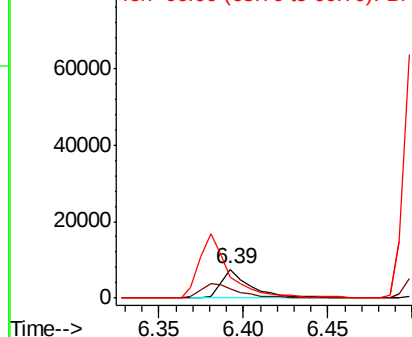
94 100

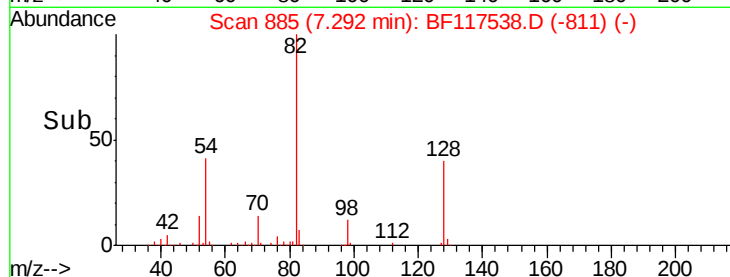
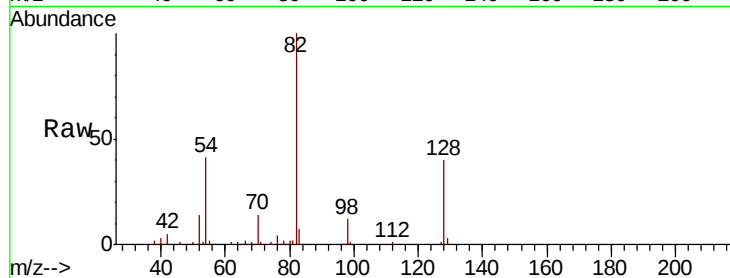
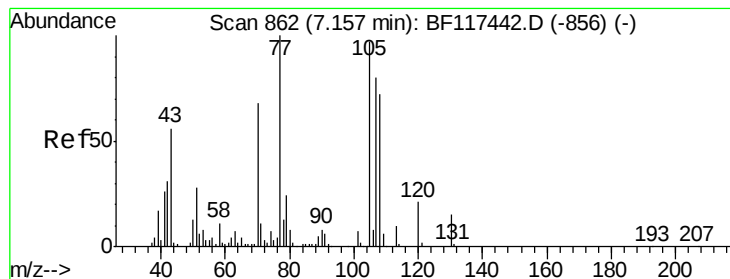
65 32.2 23.4 63.4

66 74.0 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: 15.225 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117538.D

Acq: 25 Oct 2019 16:12

Instrument :

BNA_F

ClientSampleId :

802-50-(0-1.1)

Tot Ion: 70 Resp: 31722

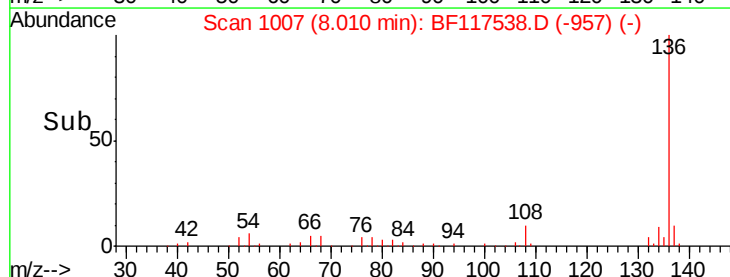
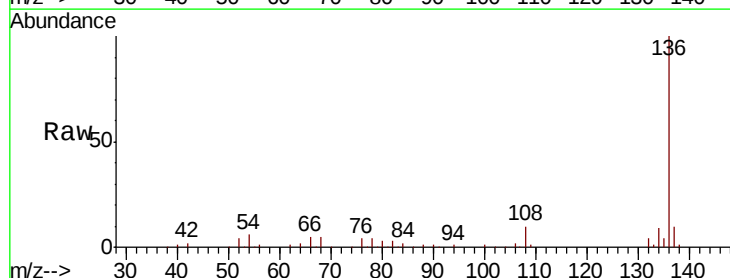
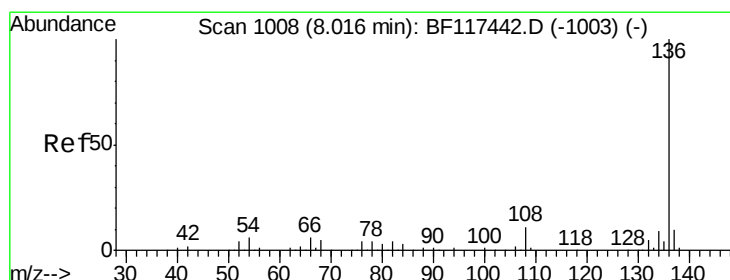
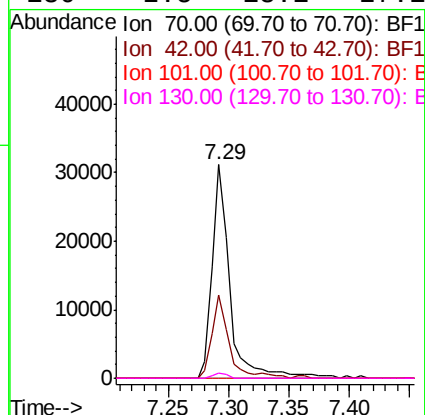
Ion Ratio Lower Upper

70 100

42 39.2 36.7 55.1

101 0.0 8.3 12.5#

130 2.5 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: BF117538.D

Acq: 25 Oct 2019 16:12

Tgt Ion:136 Resp: 147009

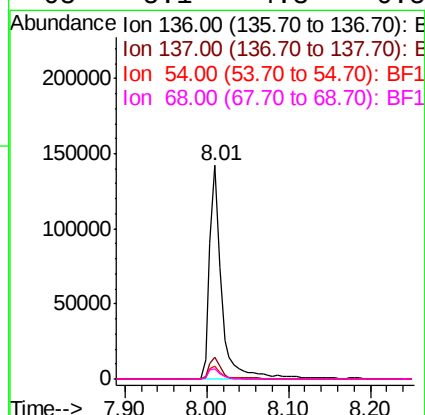
Ion Ratio Lower Upper

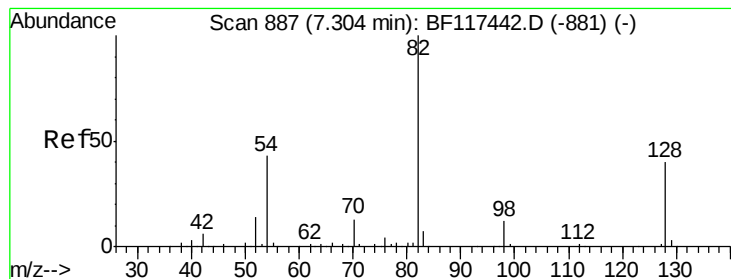
136 100

137 10.4 8.2 12.4

54 5.9 4.5 6.7

68 5.1 4.3 6.5





#23

Nitrobenzene-d5

Concen: 80.802 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF117538.D

Acq: 25 Oct 2019 16:12

Instrument :

BNA_F

ClientSampleId :

802-50-(0-1.1)

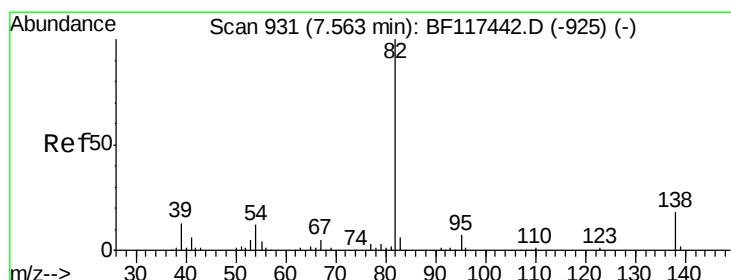
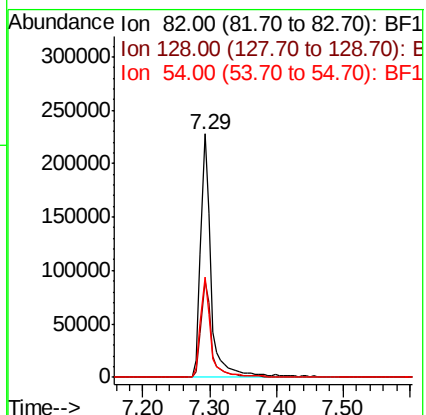
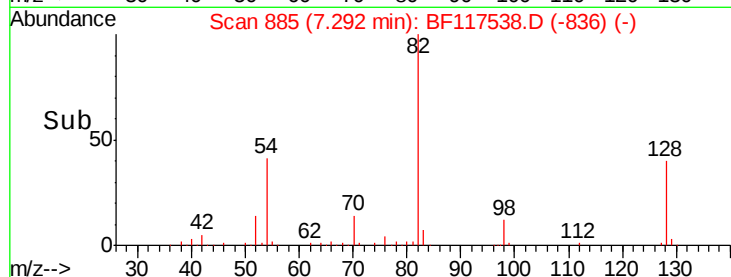
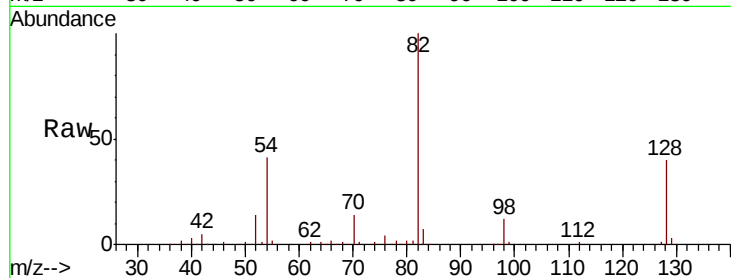
Tot Ion: 82 Resp: 240613

Ion Ratio Lower Upper

82 100

128 39.7 32.2 48.2

54 41.3 34.2 51.2



#25

Isophorone

Concen: 46.708 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF117538.D

Acq: 25 Oct 2019 16:12

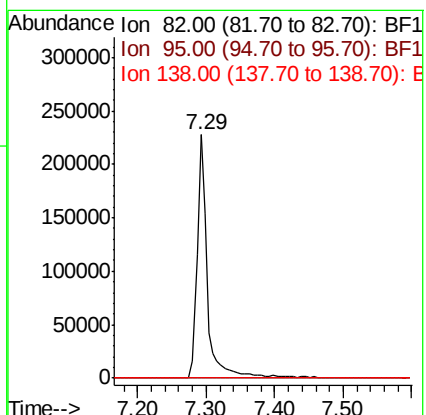
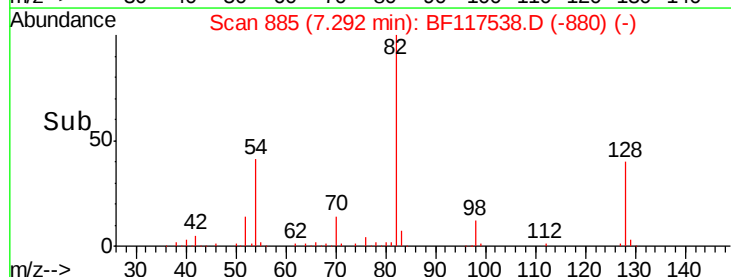
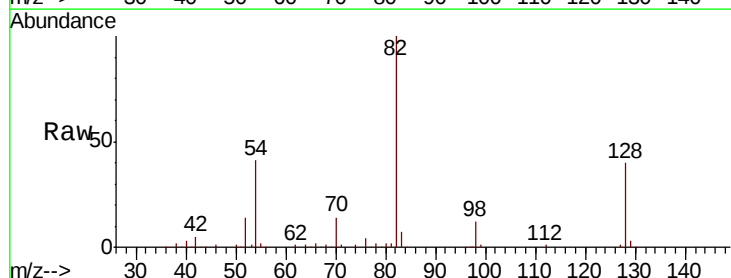
Tgt Ion: 82 Resp: 240611

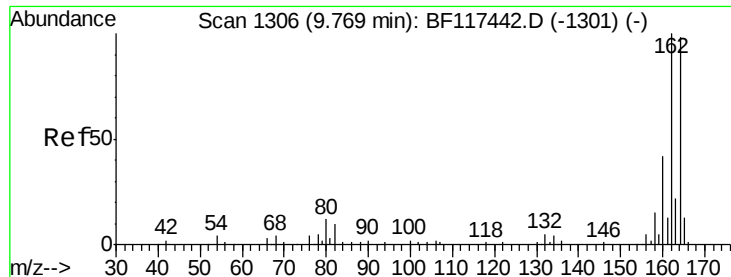
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 14.2 21.2#

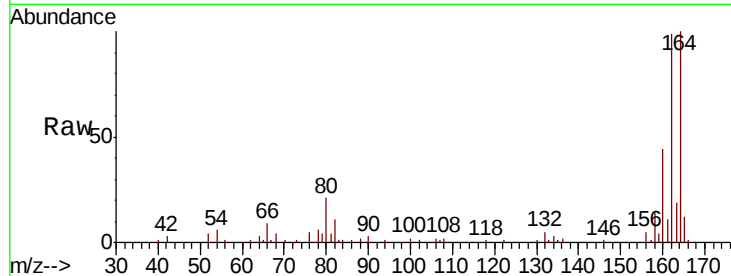




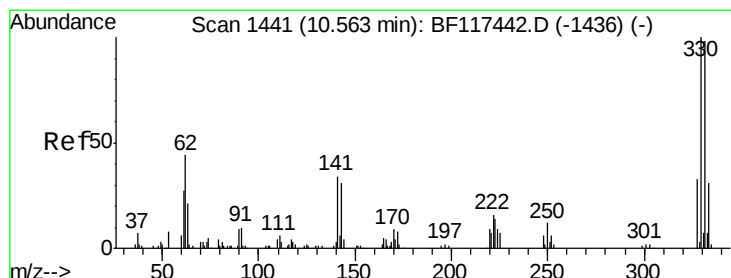
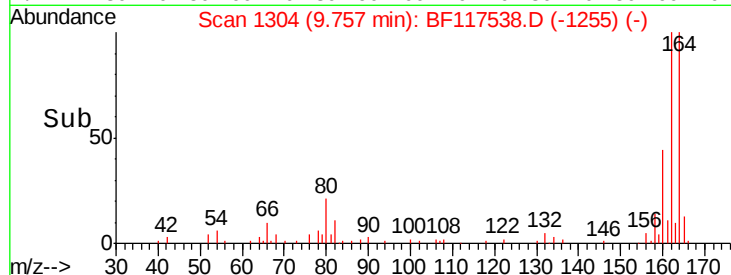
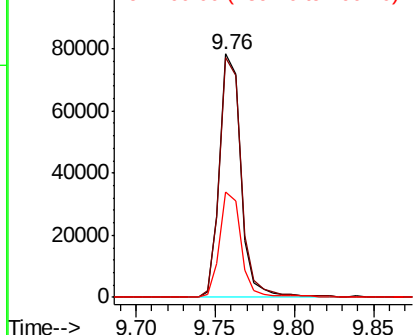
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF117538.D
 Acq: 25 Oct 2019 16:12

Instrument :
 BNA_F
 ClientSampleId :
 802-50-(0-1.1)

Tot Ion:164 Resp: 74094
 Ion Ratio Lower Upper
 164 100
 162 98.7 81.8 122.6
 160 43.5 34.4 51.6

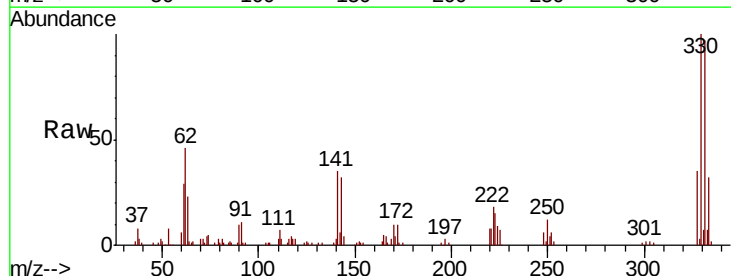


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

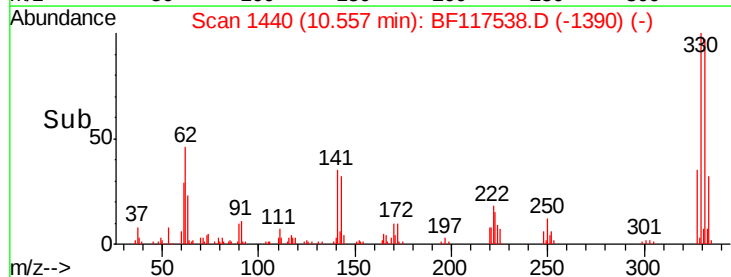
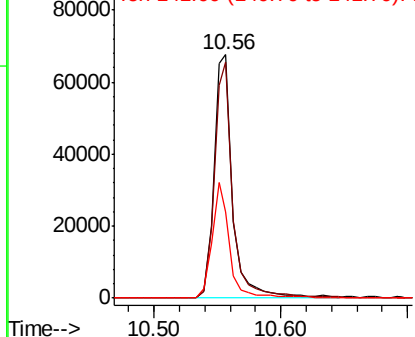


#42
 2,4,6-Tribromophenol
 Concen: 110.054 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117538.D
 Acq: 25 Oct 2019 16:12

Tgt Ion:330 Resp: 70556
 Ion Ratio Lower Upper
 330 100
 332 95.2 78.5 117.7
 141 44.2 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

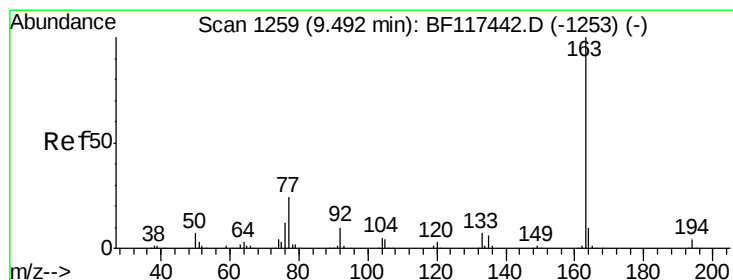
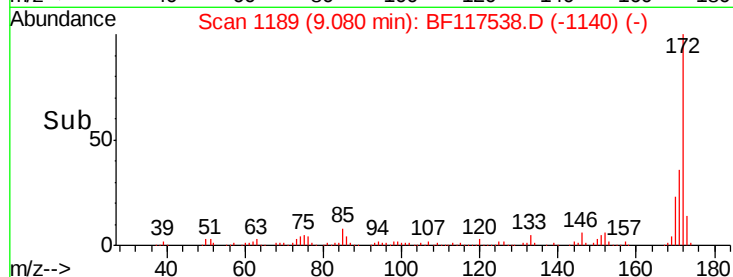
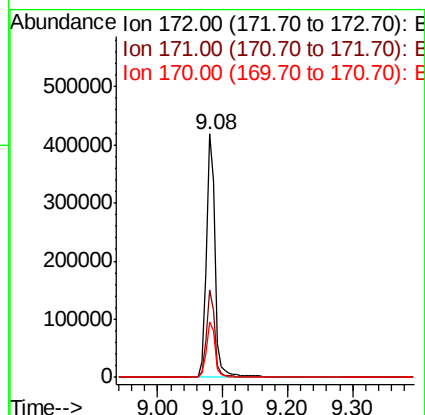
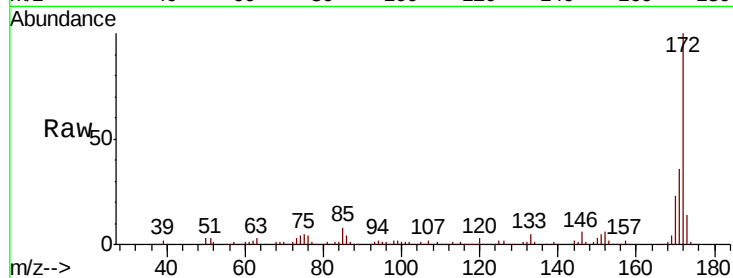




#45
2-Fluorobiphenyl
Concen: 74.175 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117538.D
Acq: 25 Oct 2019 16:12

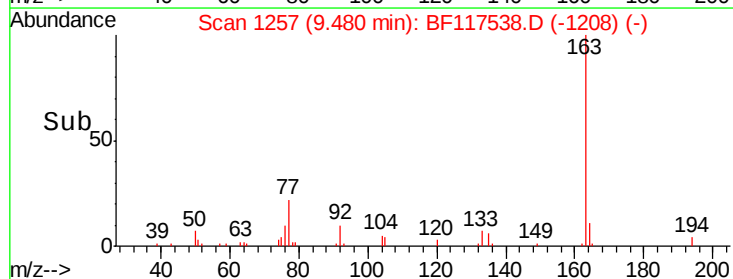
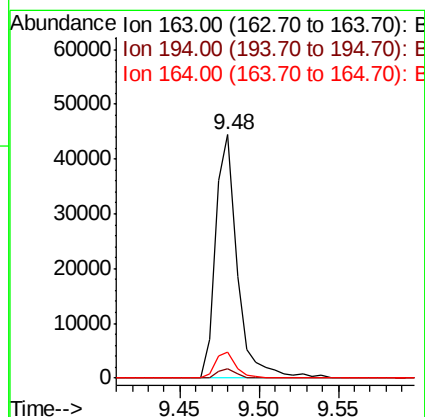
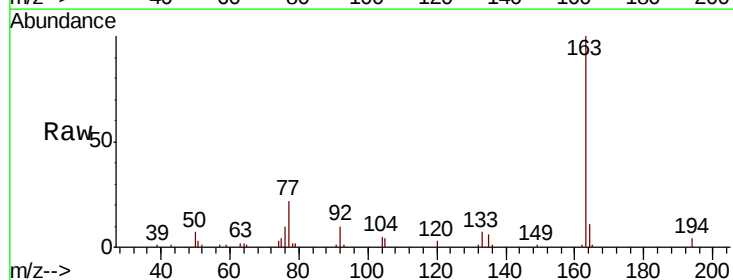
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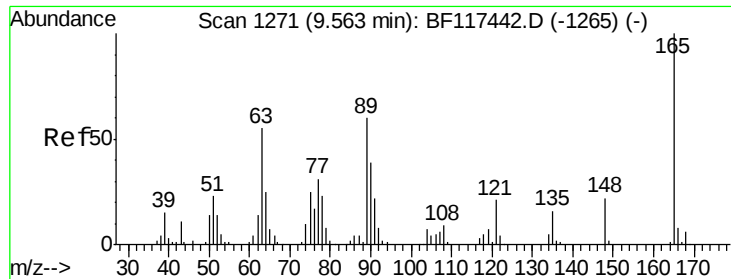
Tot Ion:172 Resp: 390060
Ion Ratio Lower Upper
172 100
171 35.9 27.5 41.3
170 22.9 18.6 27.8



#50
Dimethylphthalate
Concen: 8.029 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117538.D
Acq: 25 Oct 2019 16:12

Tgt Ion:163 Resp: 42412
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 10.8 8.2 12.2

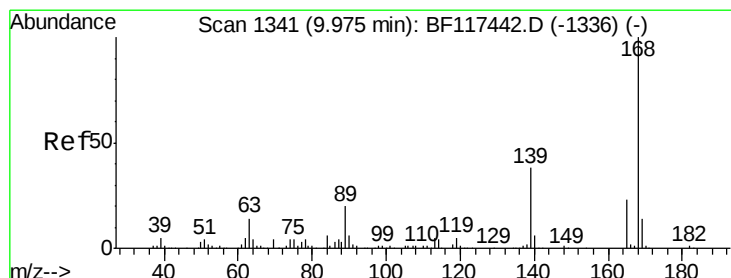
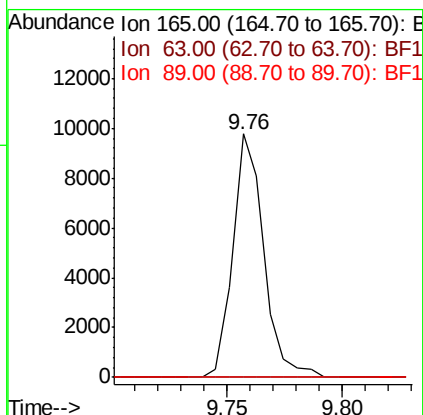
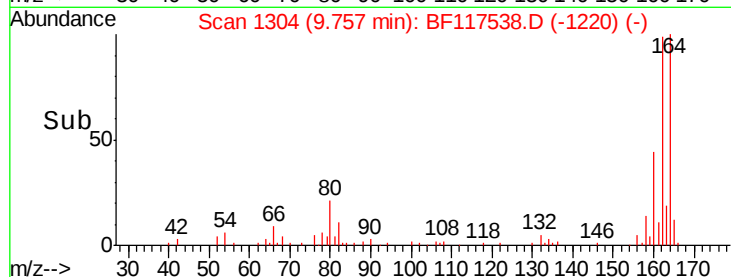
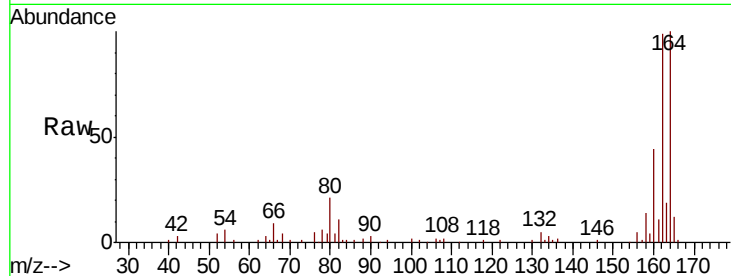




#51
 2,6-Dinitrotoluene
 Concen: 8.261 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.19 min
 Lab File: BF117538.D
 Acq: 25 Oct 2019 16:12

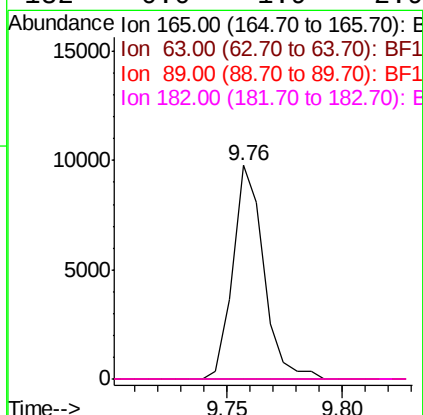
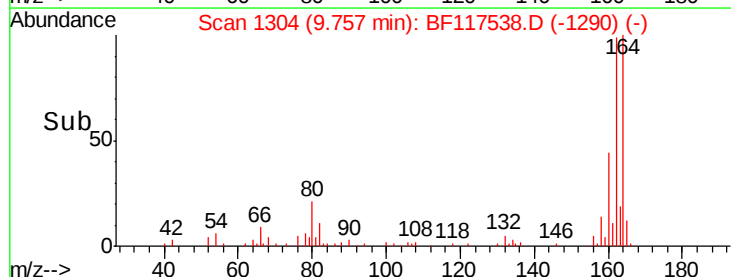
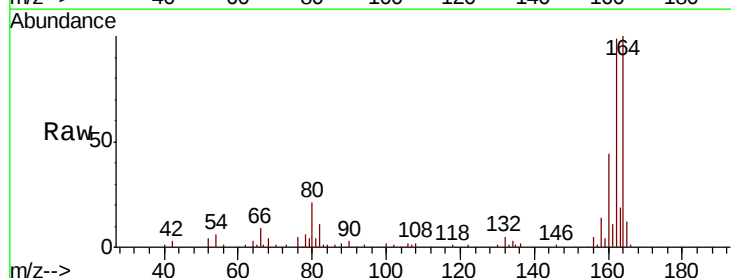
Instrument :
 BNA_F
 ClientSampleId :
 802-50-(0-1.1)

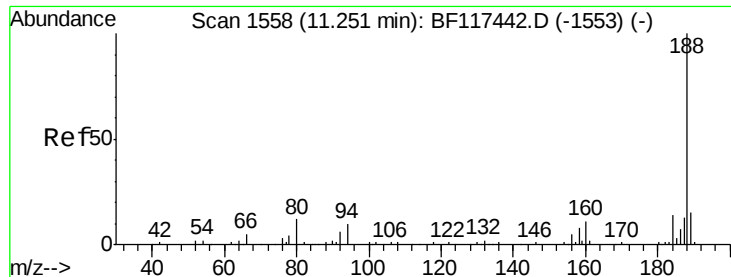
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#



#57
 2,4-Dinitrotoluene
 Concen: 6.214 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF117538.D
 Acq: 25 Oct 2019 16:12

Tgt 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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF117538.D

Acq: 25 Oct 2019 16:12

Instrument :

BNA_F

ClientSampleId :

802-50-(0-1.1)

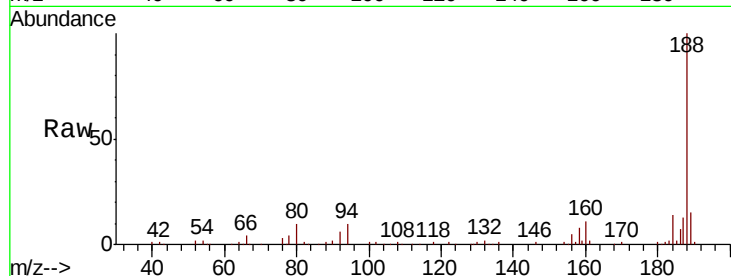
Tot Ion:188 Resp: 114809

Ion Ratio Lower Upper

188 100

94 10.2 8.0 12.0

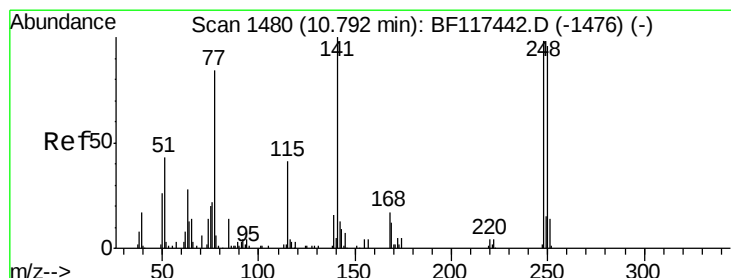
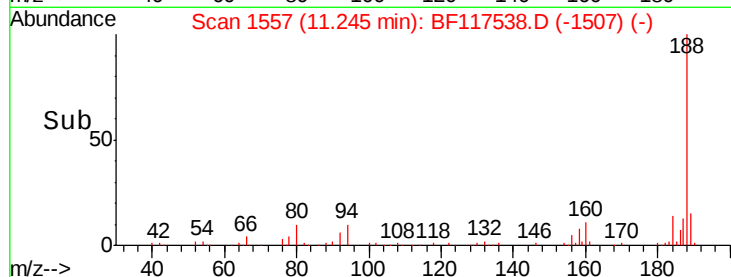
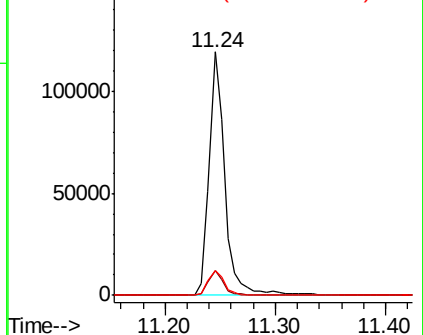
80 10.4 9.5 14.3



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: 3.734 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.24 min

Lab File: BF117538.D

Acq: 25 Oct 2019 16:12

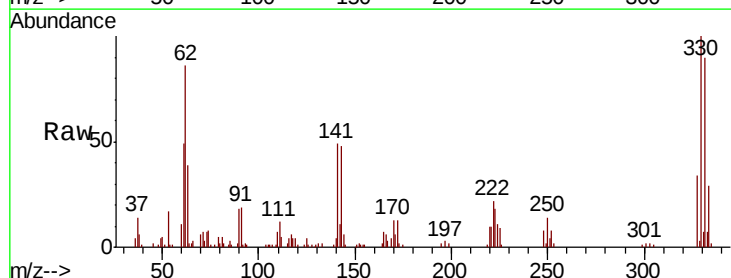
Tgt Ion:248 Resp: 4618

Ion Ratio Lower Upper

248 100

250 181.1 78.0 117.0#

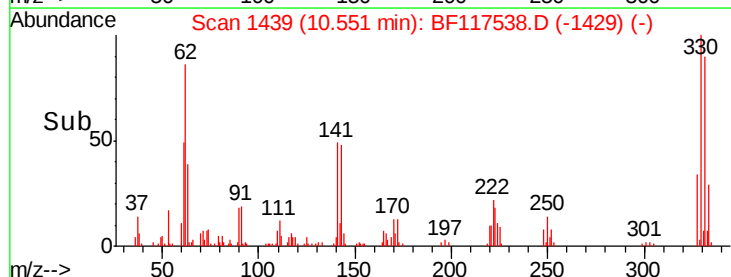
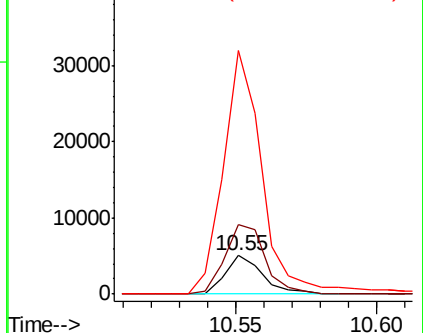
141 635.3 81.7 122.5#

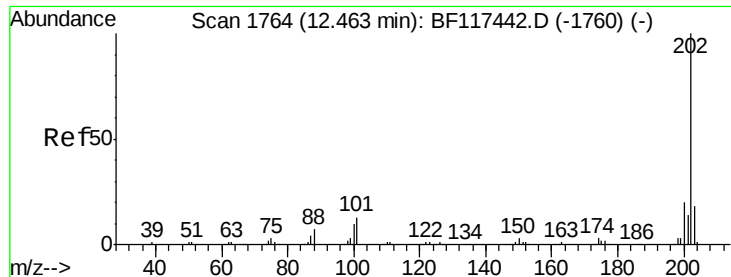


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

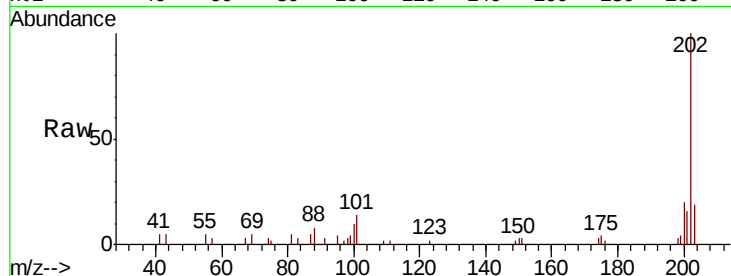




#75
 Fluoranthene
 Concen: 2.173 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BF117538.D
 Acq: 25 Oct 2019 16:12

Instrument :
 BNA_F
 ClientSampleId :
 802-50-(0-1.1)

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	32.7
203	18.8	0.0	37.6

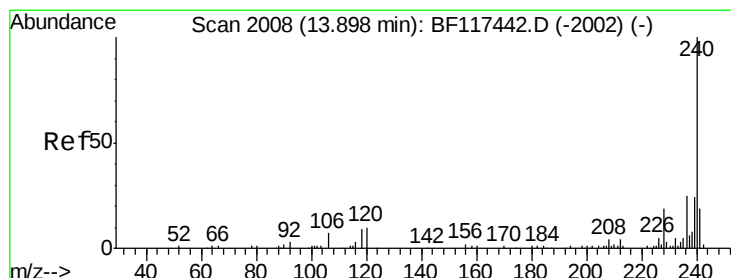
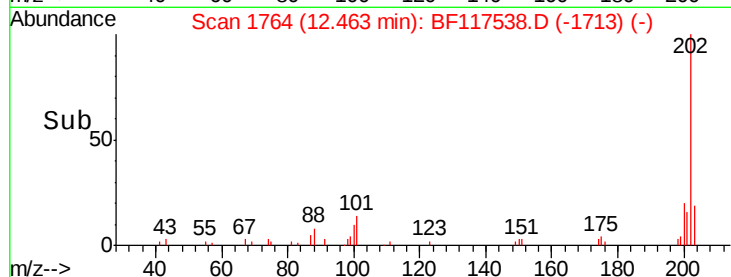
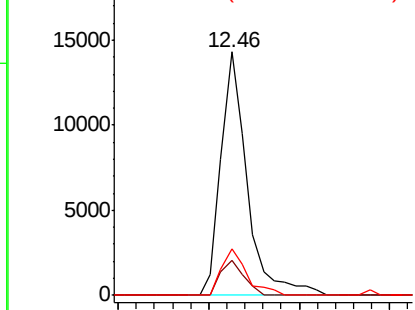


Abundance

Ion 202.00 (201.70 to 202.70): E

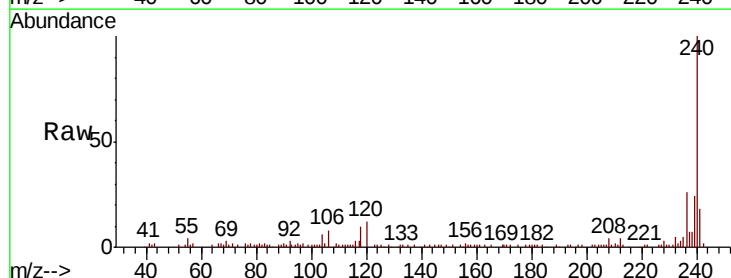
Ion 101.00 (100.70 to 101.70): E

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: BF117538.D
 Acq: 25 Oct 2019 16:12

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.4	12.6
236	25.8	20.0	30.0

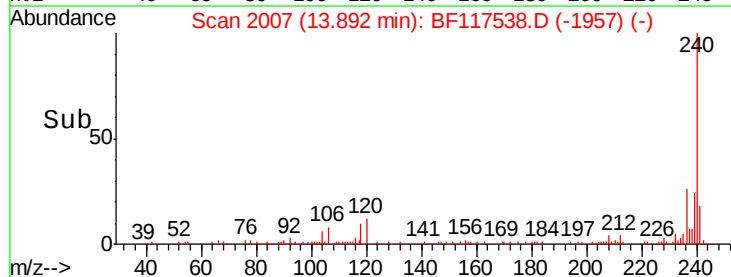
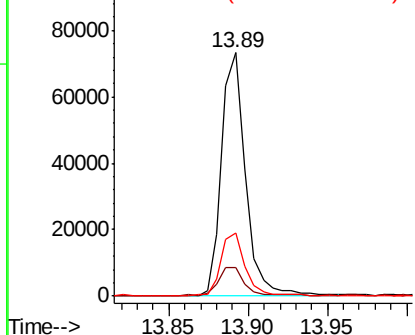


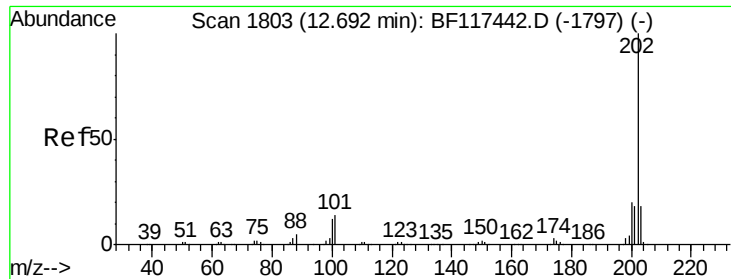
Abundance

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

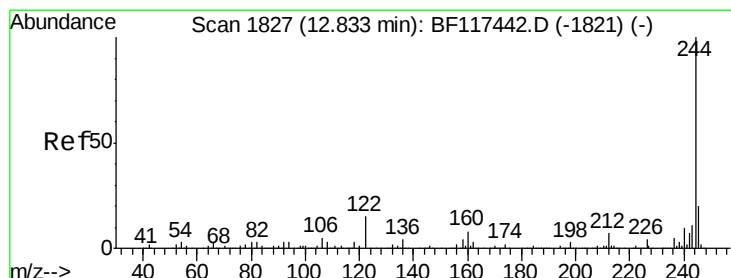
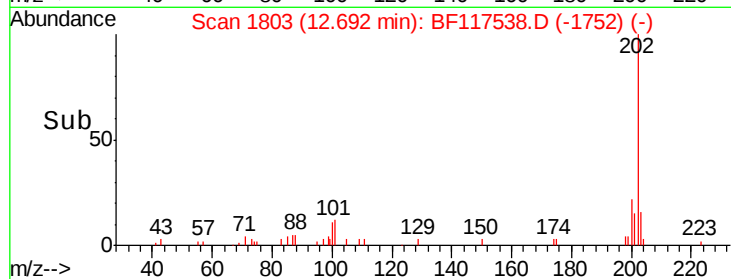
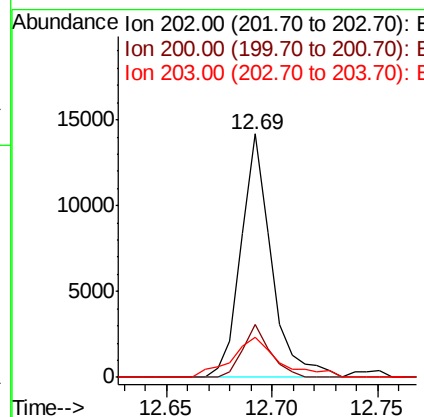
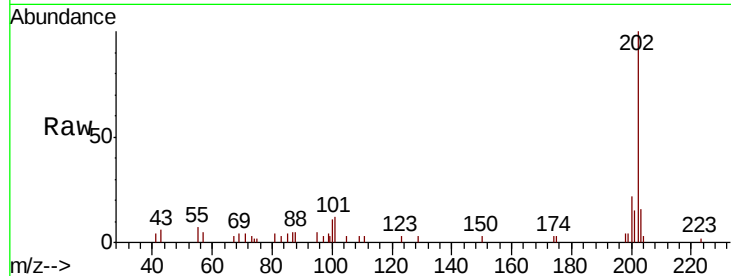




#78
Pvrene
Concen: 2.109 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117538.D
Acq: 25 Oct 2019 16:12

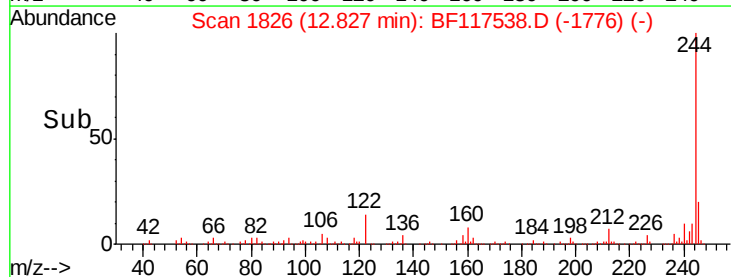
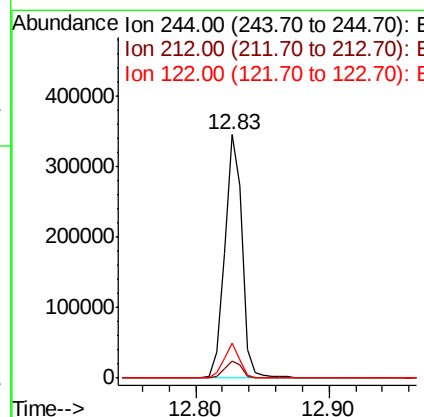
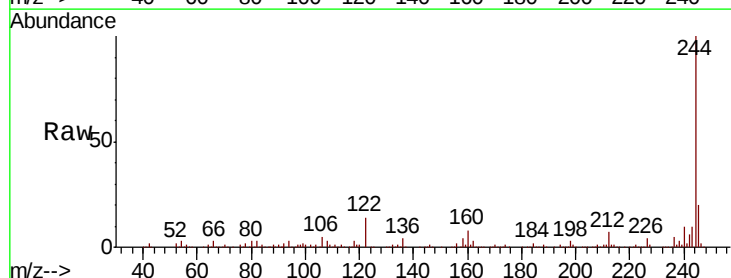
Instrument :
BNA_F
ClientSampleId :
802-50-(0-1.1)

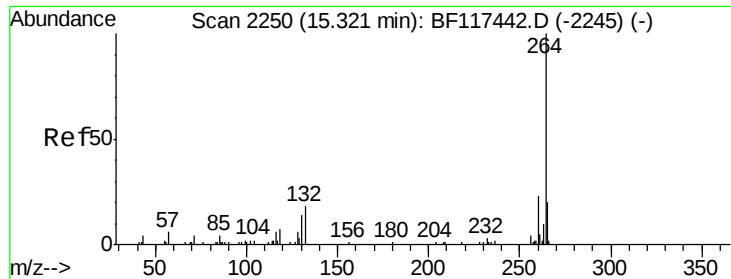
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.2	24.2
203	16.5	14.0	21.0



#79
Terphenyl-d14
Concen: 66.590 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117538.D
Acq: 25 Oct 2019 16:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	14.2	11.8	17.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.01 min

Lab File: BF117538.D

Acq: 25 Oct 2019 16:12

Instrument :

BNA_F

ClientSampleId :

802-50-(0-1.1)

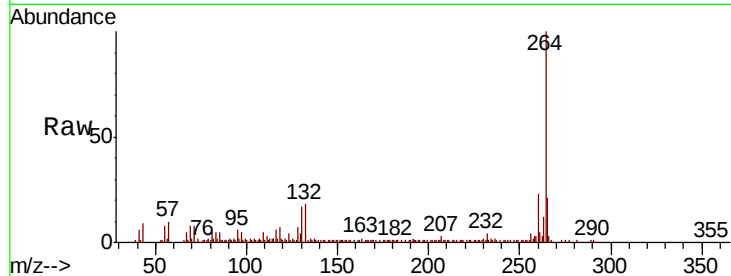
Tot Ion:264 Resp: 80454

Ion Ratio Lower Upper

264 100

260 22.8 18.4 27.6

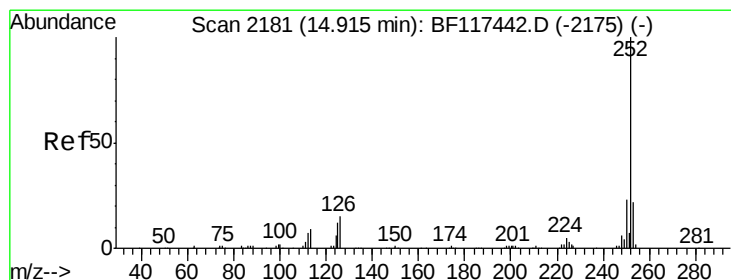
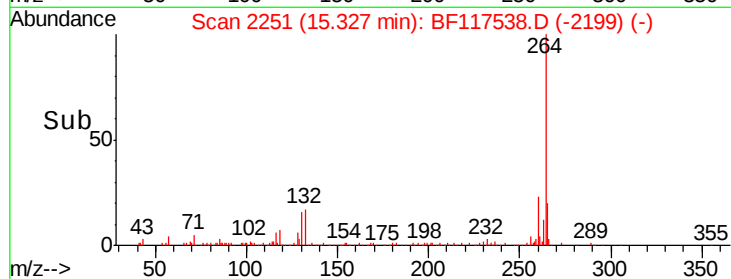
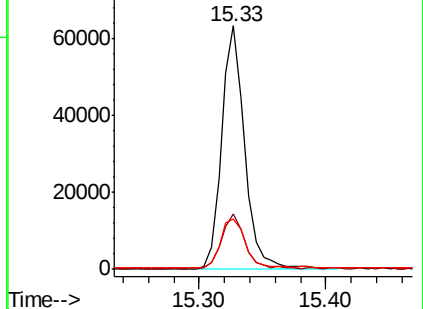
265 20.8 16.1 24.1



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: 2.479 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF117538.D

Acq: 25 Oct 2019 16:12

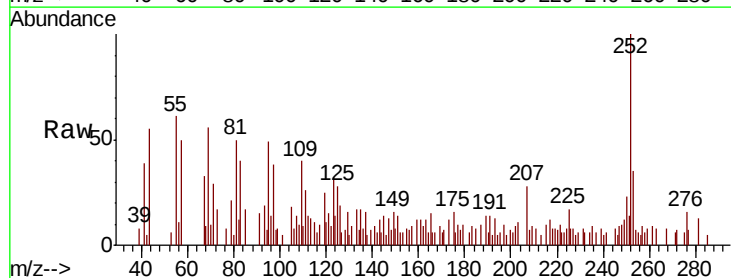
Tgt Ion:252 Resp: 11779

Ion Ratio Lower Upper

252 100

253 34.6 17.8 26.6#

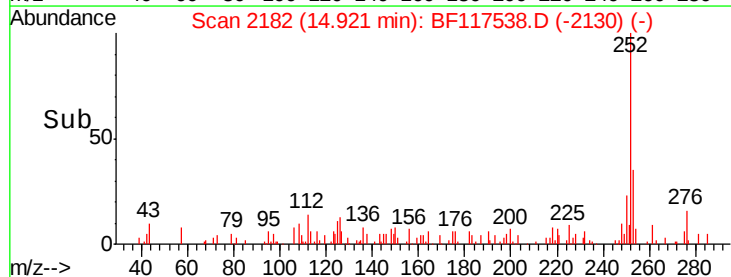
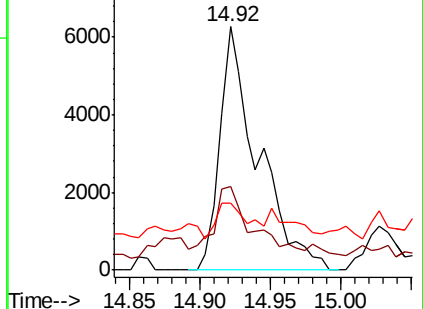
125 27.5 9.9 14.9#

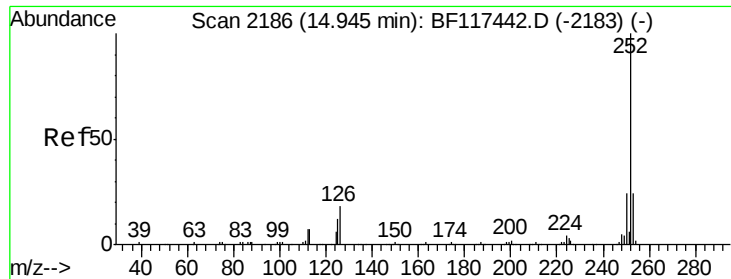


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.419 ng

RT: 14.92 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BF117538.D

Acq: 25 Oct 2019 16:12

Instrument :

BNA_F

ClientSampleId :

802-50-(0-1.1)

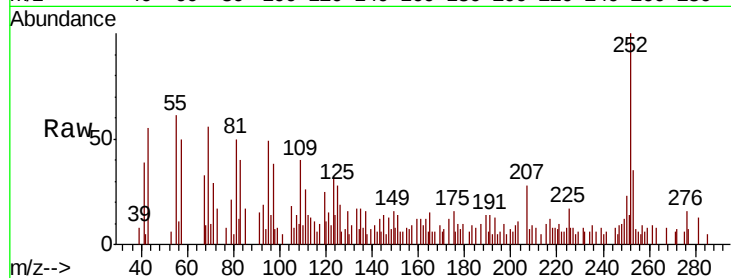
Tot Ion:252 Resp: 11779

Ion Ratio Lower Upper

252 100

253 34.6 18.0 27.0#

125 27.5 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

