

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117539.D
 Acq On : 25 Oct 2019 16:39
 Operator : JU
 Sample : K5501-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 183-82-(0-2.1)

Quant Time: Oct 26 05:51:04 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

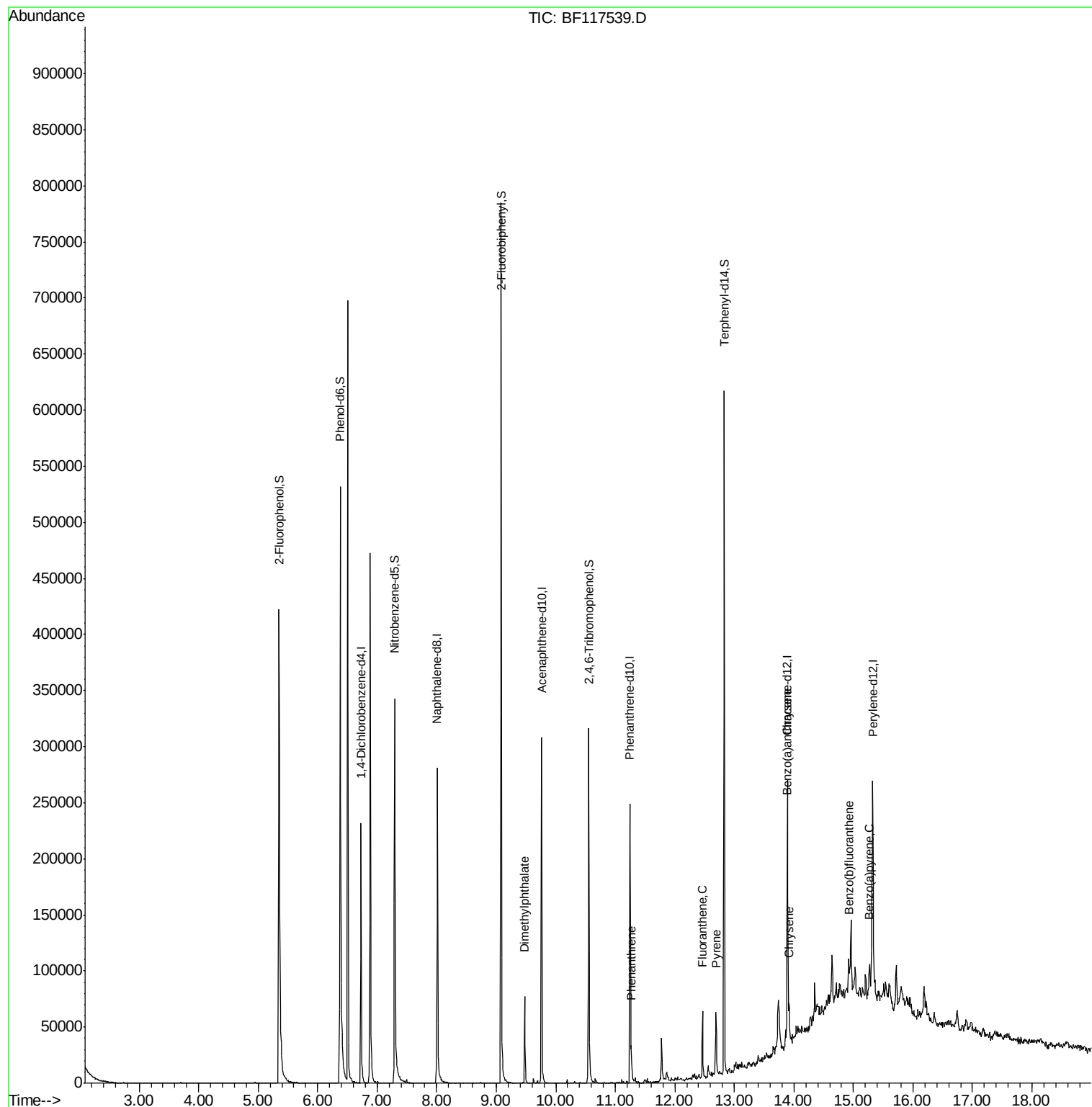
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	36159	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	144299	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	70703	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	99137	20.00	ng	0.00
76) Chrysene-d12	13.89	240	70382	20.00	ng	0.00
87) Perylene-d12	15.33	264	74068	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	167567	68.94	ng	0.00
7) Phenol-d6	6.38	99	227985	69.84	ng	0.00
23) Nitrobenzene-d5	7.29	82	139763	47.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	36938	60.38	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	246484	49.12	ng	-0.01
79) Terphenyl-d14	12.83	244	172999	40.09	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.48	163	33396	6.626	ng	Qvalue 100
71) Phenanthrene	11.27	178	12025	2.089	ng	96
75) Fluoranthene	12.46	202	25113	4.358	ng	98
78) Pyrene	12.69	202	23041	3.811	ng	97
81) Benzo(a)anthracene	13.88	228	12853	2.707	ng	99
83) Chrysene	13.92	228	12935	2.780	ng	96
88) Benzo(b)fluoranthene	14.92	252	16868m	3.857	ng	
90) Benzo(a)pyrene	15.27	252	11034	2.775	ng	# 80

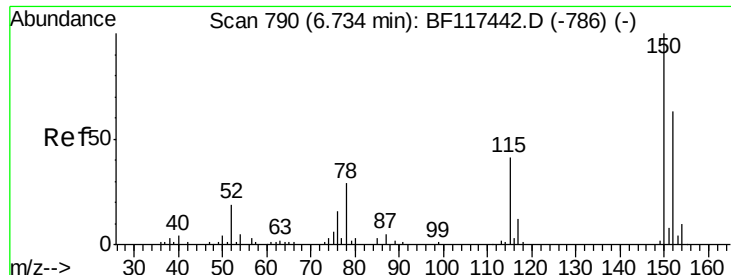
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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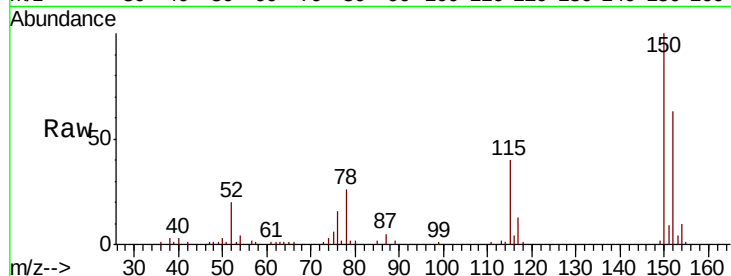


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Instrument :
BNA_F
ClientSampleId :
183-82-(0-2.1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.8	190.2
115	63.9	51.6	77.4

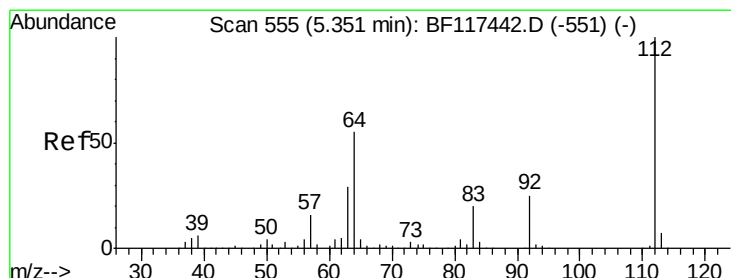
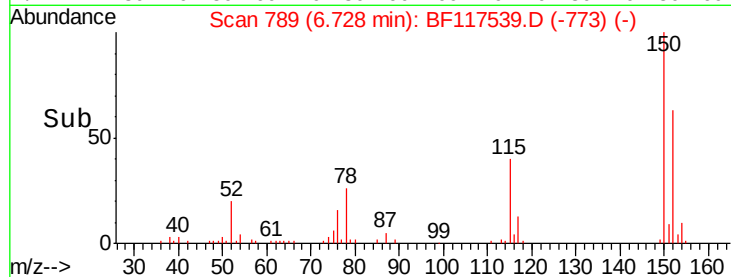
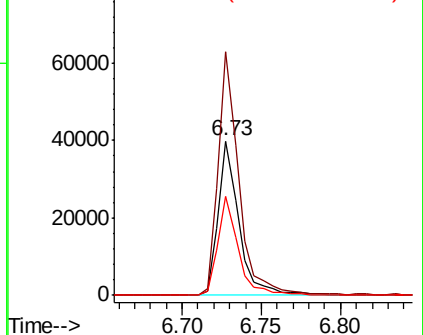


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

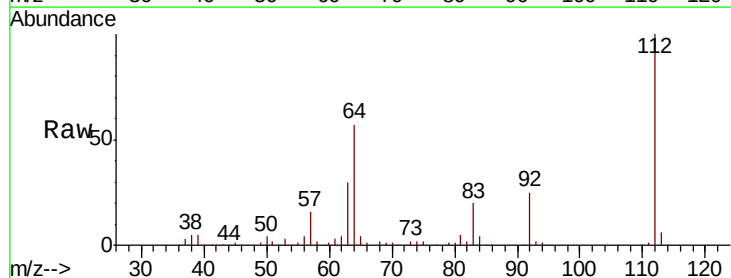
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 68.943 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	44.1	66.1
63	29.7	23.4	35.2

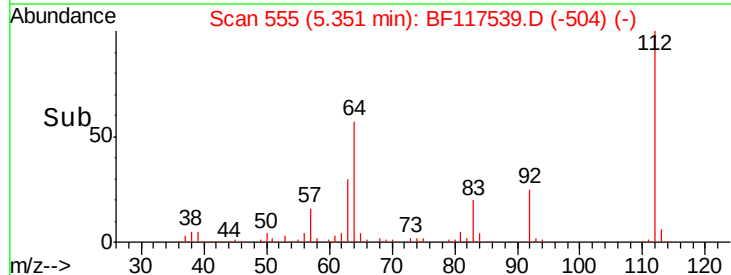
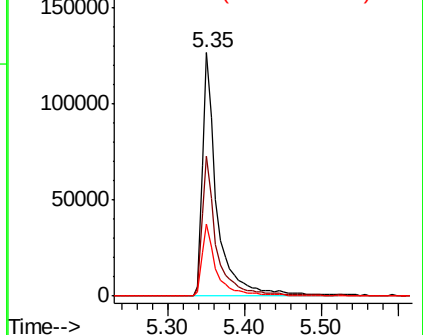


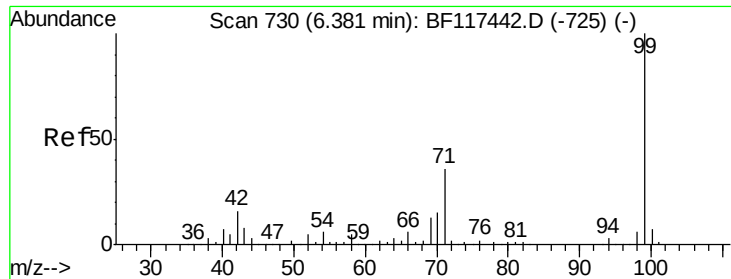
Abundance

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: 69.838 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

Instrument :

BNA_F

ClientSampleId :

183-82-(0-2.1)

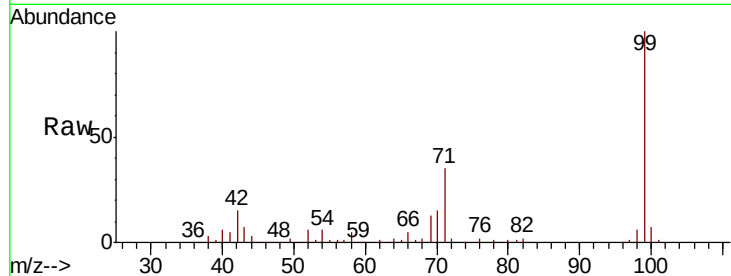
Tot Ion: 99 Resp: 227985

Ion Ratio Lower Upper

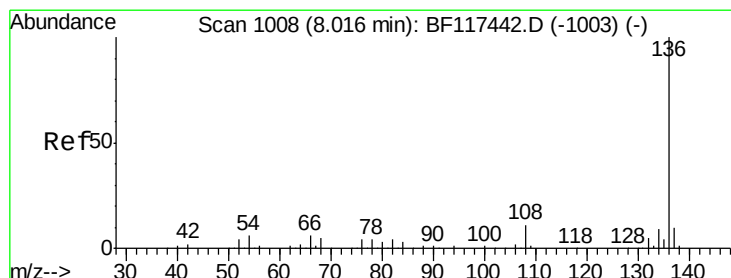
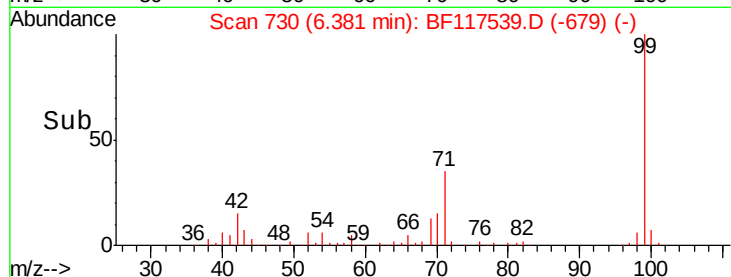
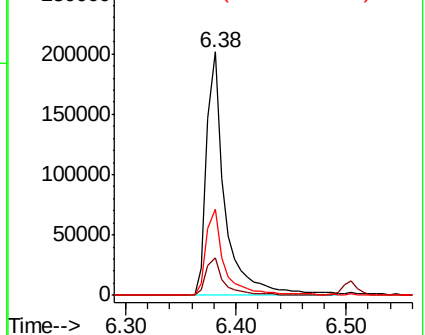
99 100

42 15.2 12.8 19.2

71 35.4 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

Tgt Ion: 136 Resp: 144299

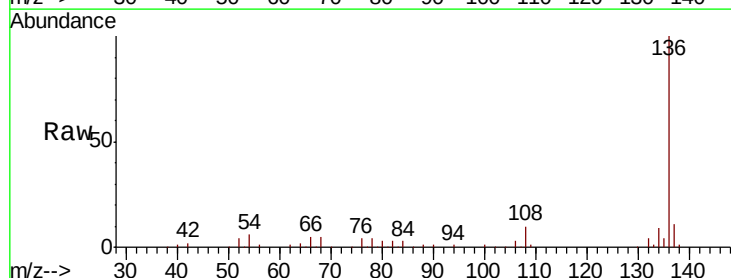
Ion Ratio Lower Upper

136 100

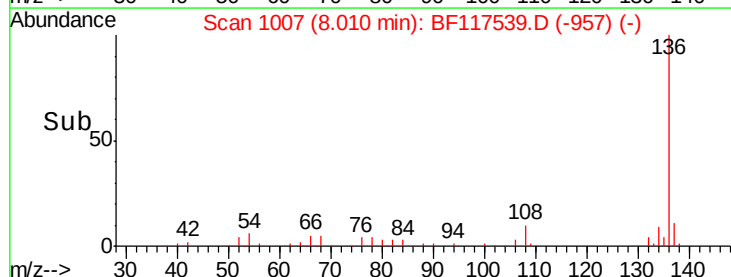
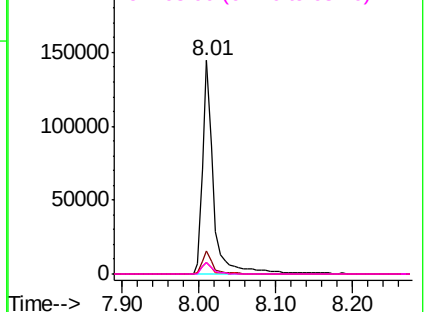
137 10.9 8.2 12.4

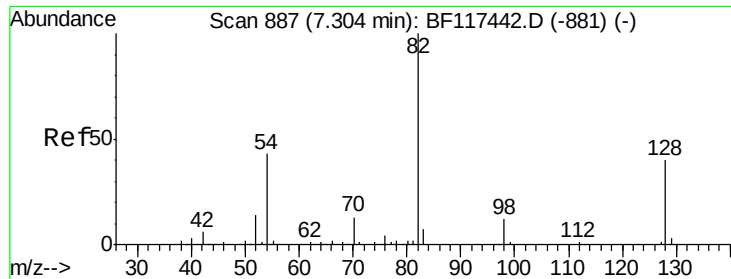
54 5.7 4.5 6.7

68 5.3 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

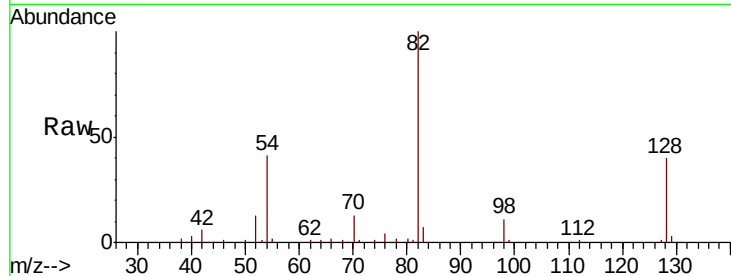




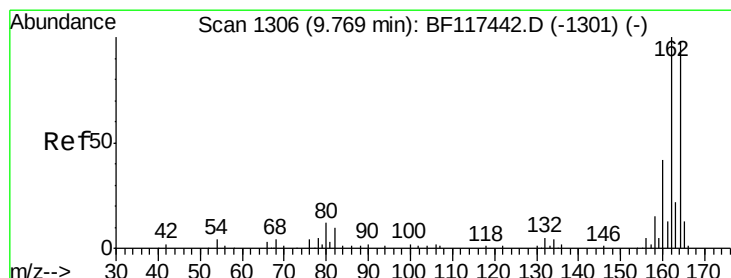
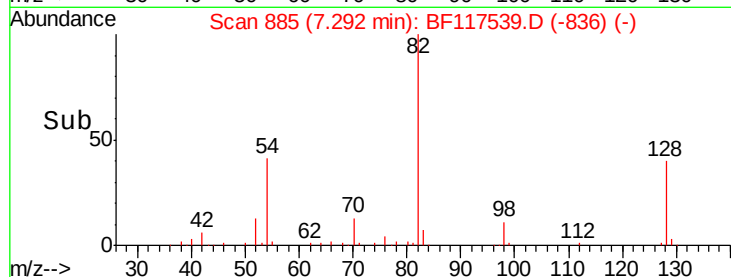
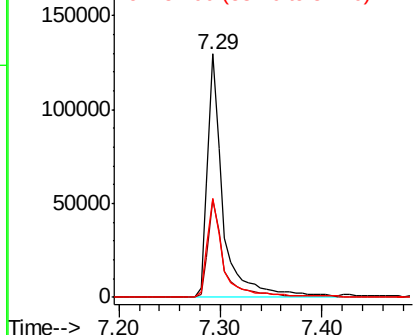
#23
 Nitrobenzene-d5
 Concen: 47.816 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117539.D
 Acq: 25 Oct 2019 16:39

Instrument :
 BNA_F
 ClientSampleId :
 183-82-(0-2.1)

Tot Ion: 82 Resp: 139763
 Ion Ratio Lower Upper
 82 100
 128 40.0 32.2 48.2
 54 40.8 34.2 51.2

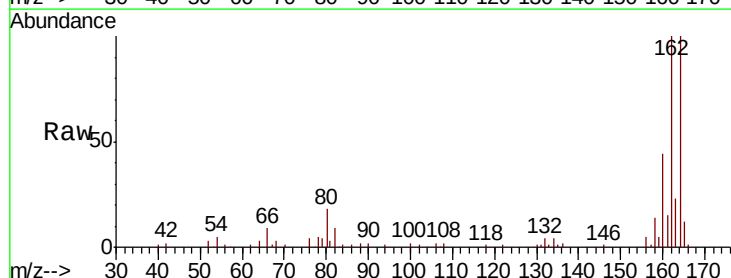


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

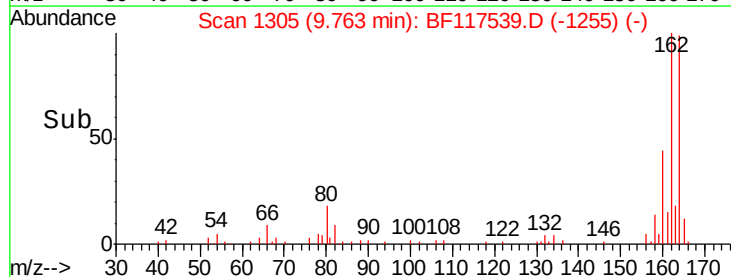
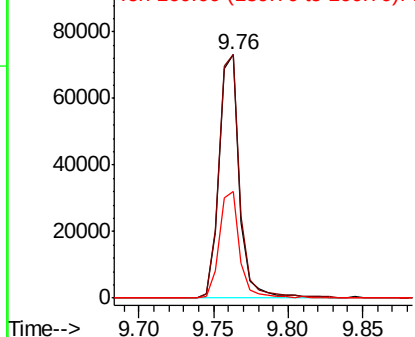


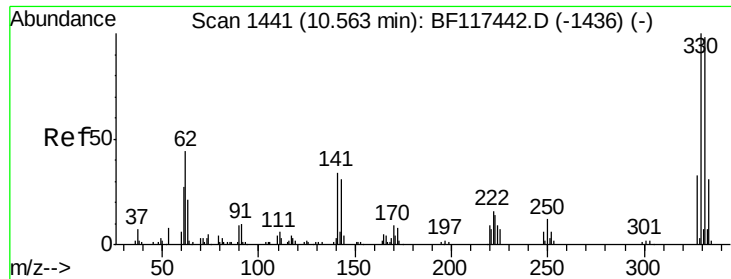
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117539.D
 Acq: 25 Oct 2019 16:39

Tgt Ion: 164 Resp: 70703
 Ion Ratio Lower Upper
 164 100
 162 100.1 81.8 122.6
 160 43.6 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

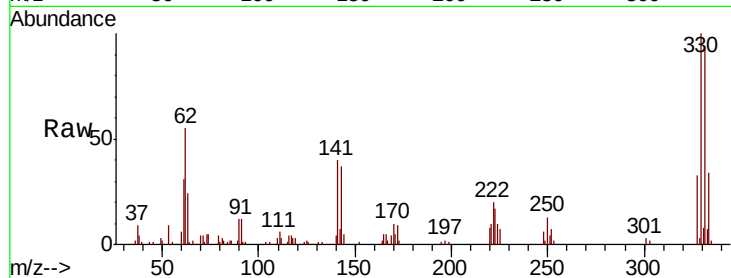




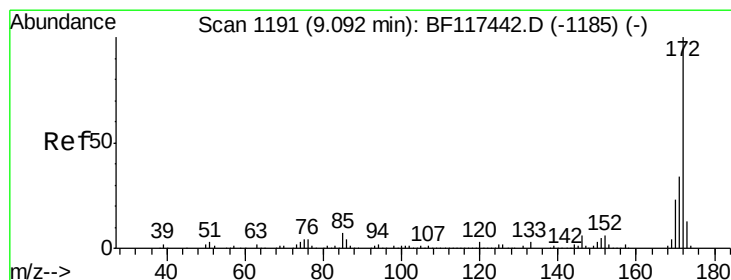
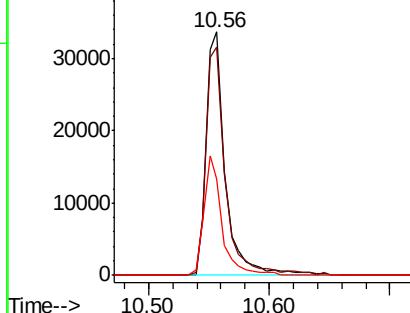
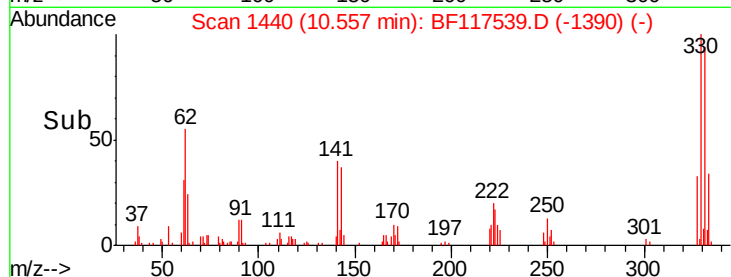
#42
 2,4,6-Tribromophenol
 Concen: 60.380 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117539.D
 Acq: 25 Oct 2019 16:39

Instrument :
 BNA_F
 ClientSampleId :
 183-82-(0-2.1)

Tot Ion:330 Resp: 36938
 Ion Ratio Lower Upper
 330 100
 332 96.2 78.5 117.7
 141 46.2 37.0 55.6

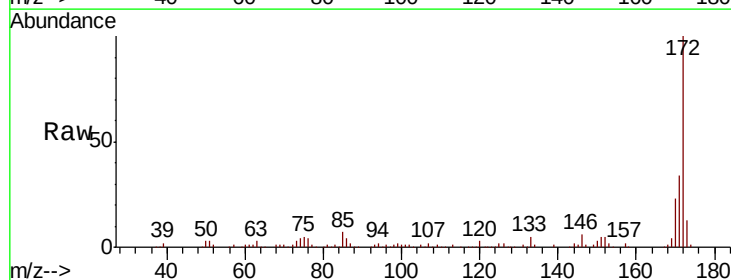


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

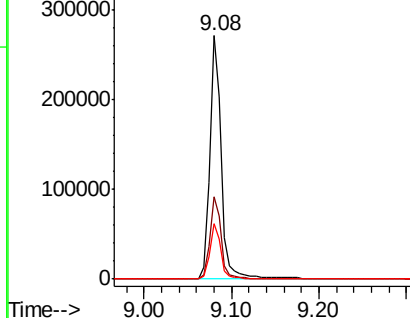
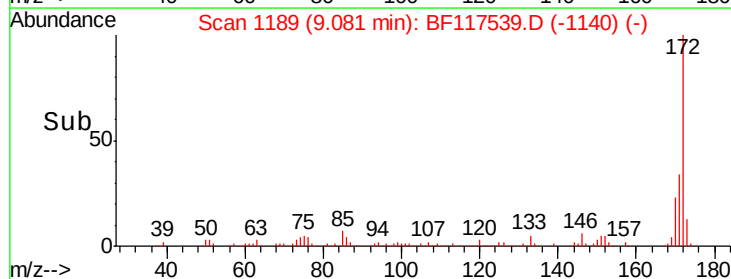


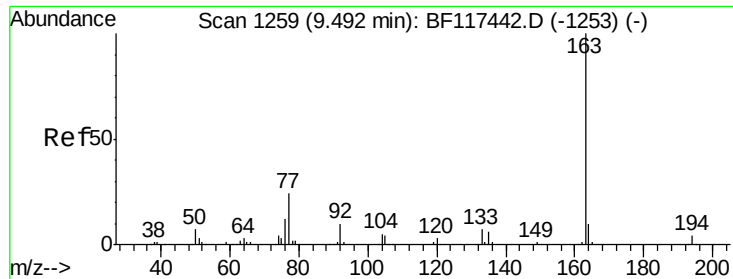
#45
 2-Fluorobiphenyl
 Concen: 49.120 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117539.D
 Acq: 25 Oct 2019 16:39

Tgt Ion:172 Resp: 246484
 Ion Ratio Lower Upper
 172 100
 171 34.0 27.5 41.3
 170 22.8 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

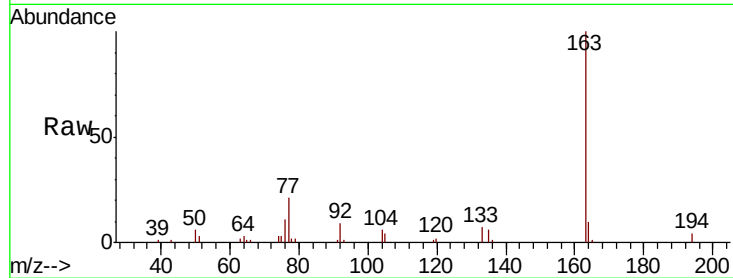




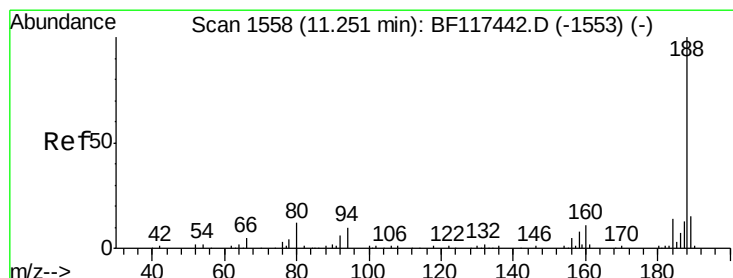
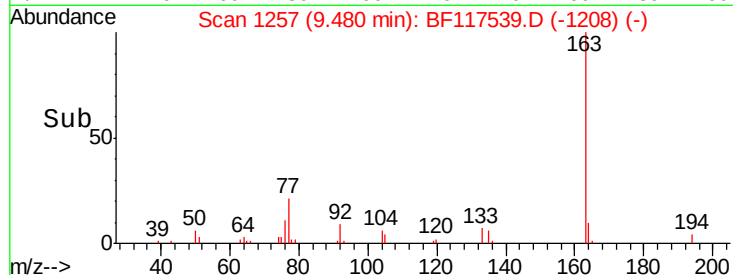
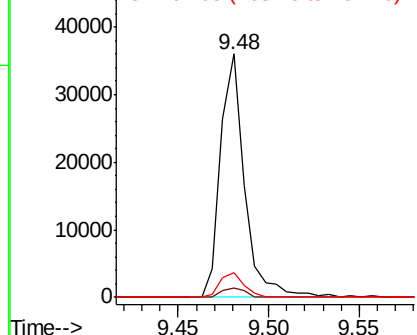
#50
Dimethylphthalate
Concen: 6.626 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Instrument :
BNA_F
ClientSampleId :
183-82-(0-2.1)

Tot Ion:163 Resp: 33396
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 10.1 8.2 12.2

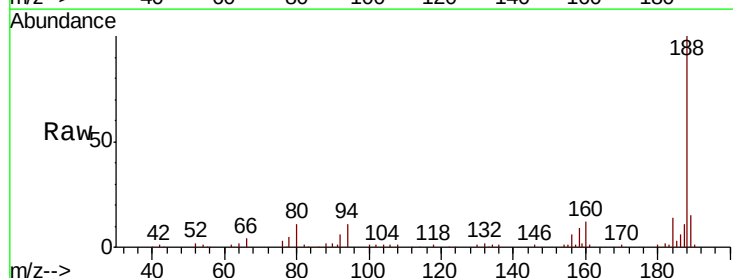


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

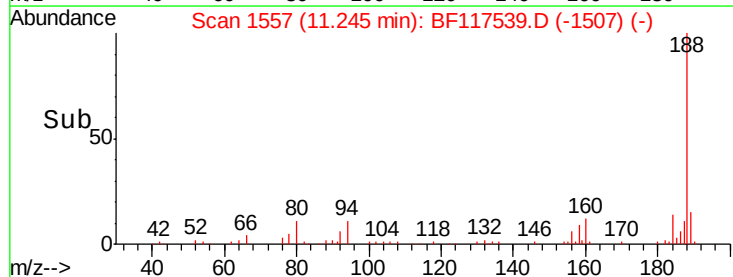
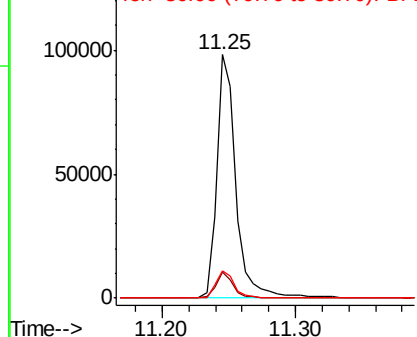


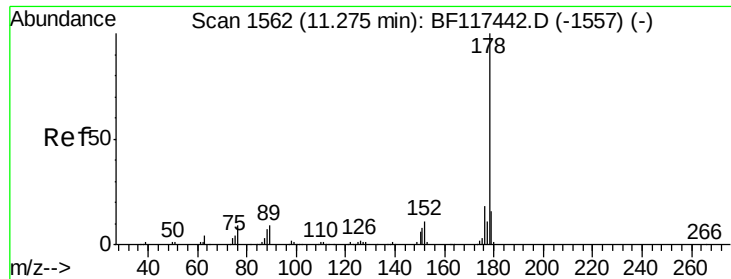
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Tgt Ion:188 Resp: 99137
Ion Ratio Lower Upper
188 100
94 10.7 8.0 12.0
80 11.3 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





#71

Phenanthrene

Concen: 2.089 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

Instrument :

BNA_F

ClientSampleId :

183-82-(0-2.1)

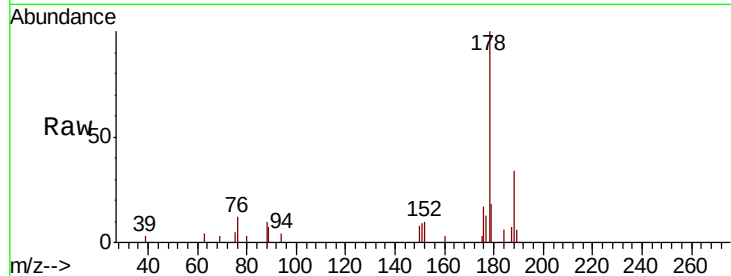
Tot Ion:178 Resp: 12025

Ion Ratio Lower Upper

178 100

176 16.5 14.6 22.0

179 17.6 12.6 19.0

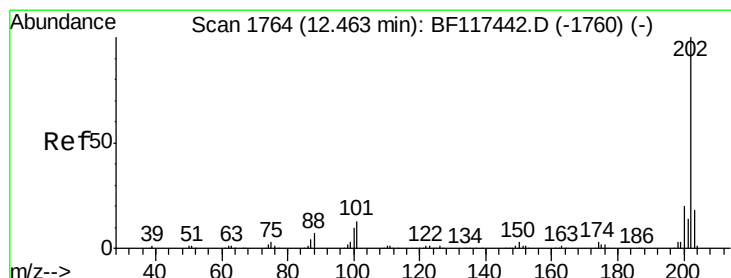
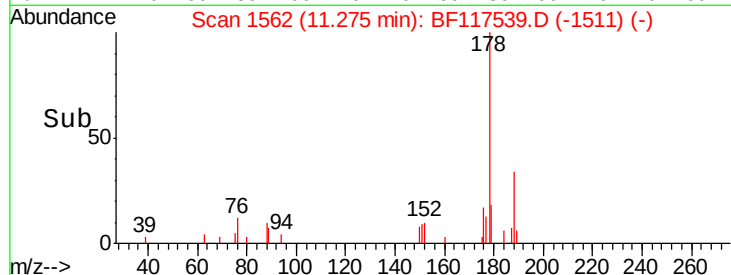
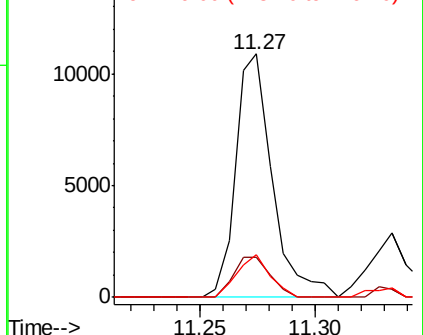


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 4.358 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

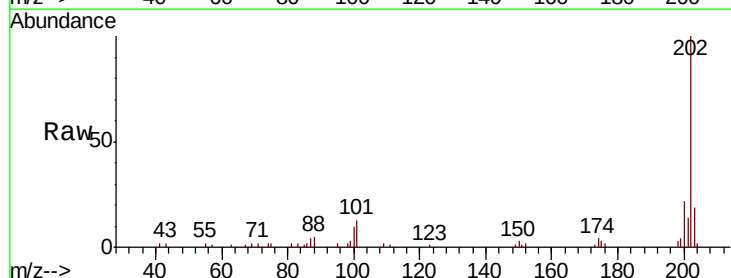
Tgt Ion:202 Resp: 25113

Ion Ratio Lower Upper

202 100

101 12.6 0.0 32.7

203 18.6 0.0 37.6

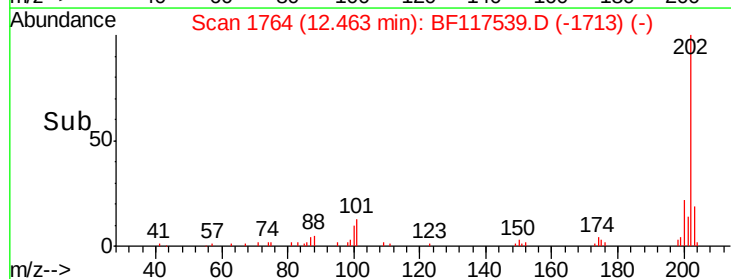
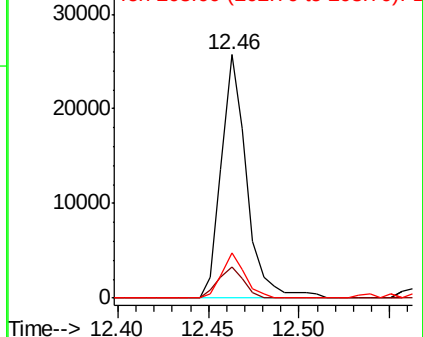


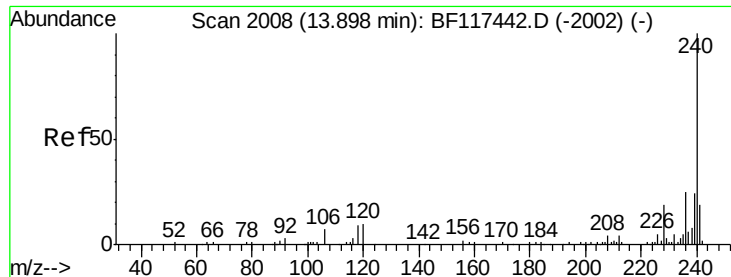
Abundance

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

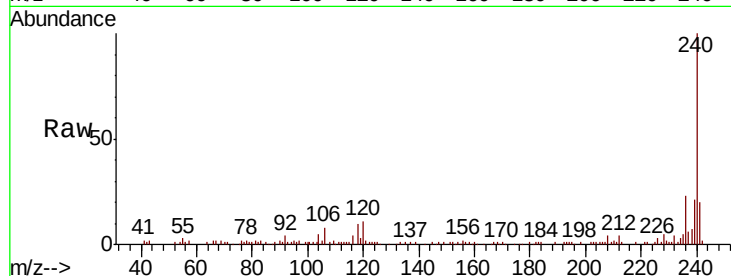




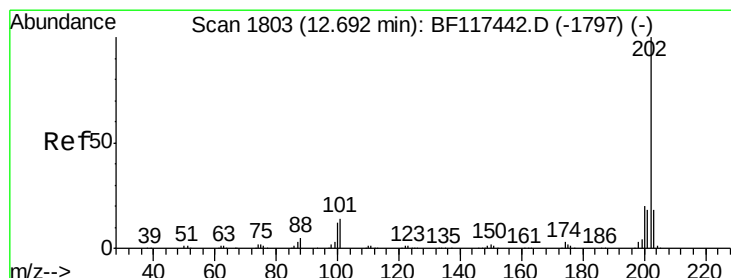
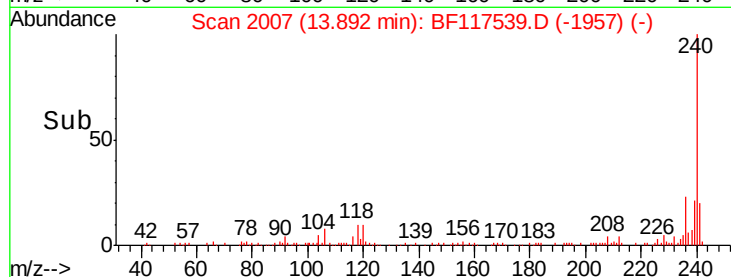
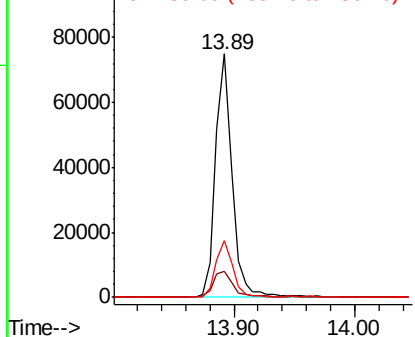
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Instrument :
BNA_F
ClientSampleId :
183-82-(0-2.1)

Tot Ion:240 Resp: 70382
Ion Ratio Lower Upper
240 100
120 10.8 8.4 12.6
236 23.3 20.0 30.0

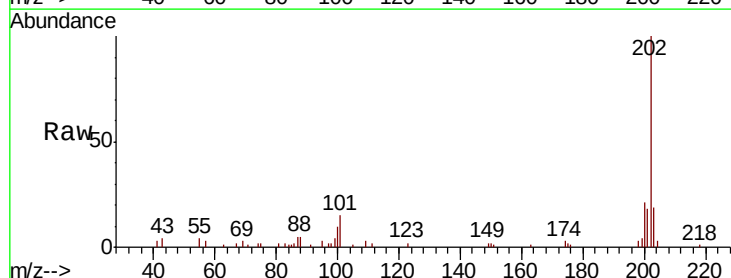


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

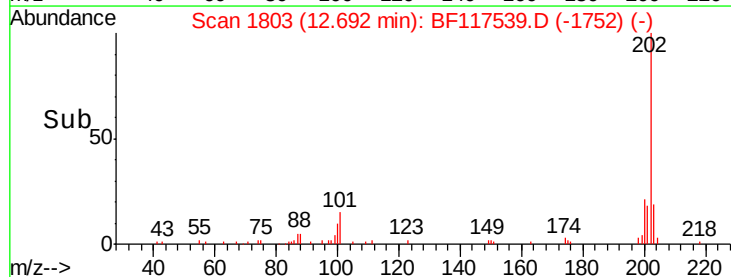
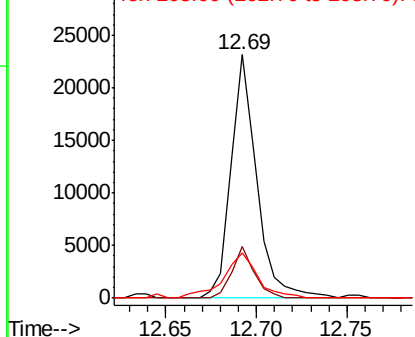


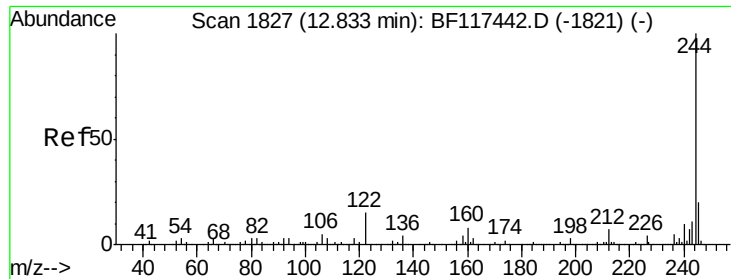
#78
Pyrene
Concen: 3.811 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Tgt Ion:202 Resp: 23041
Ion Ratio Lower Upper
202 100
200 21.4 16.2 24.2
203 18.8 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

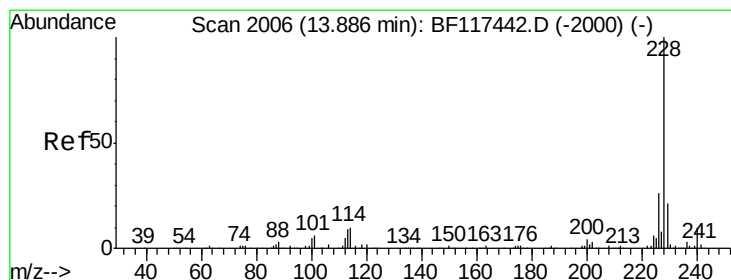
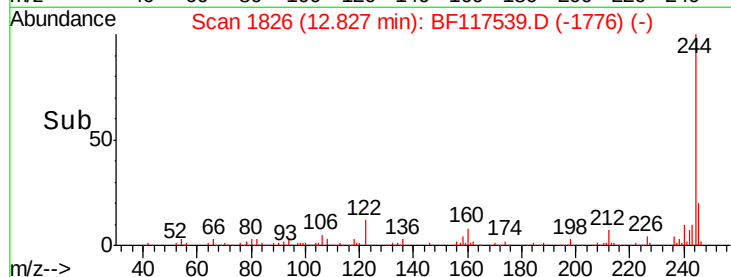
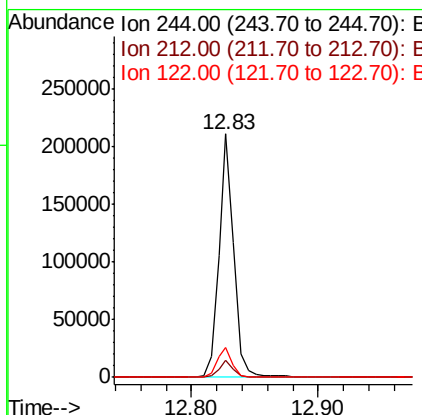
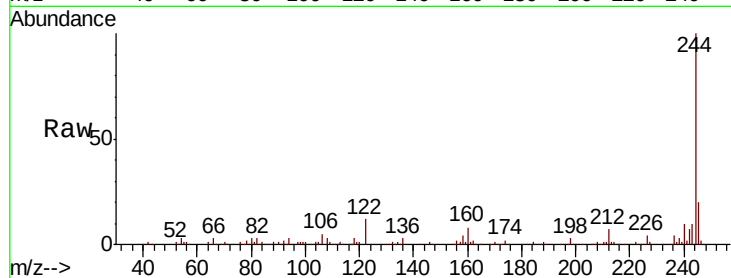




#79
 Terphenyl-d14
 Concen: 40.093 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117539.D
 Acq: 25 Oct 2019 16:39

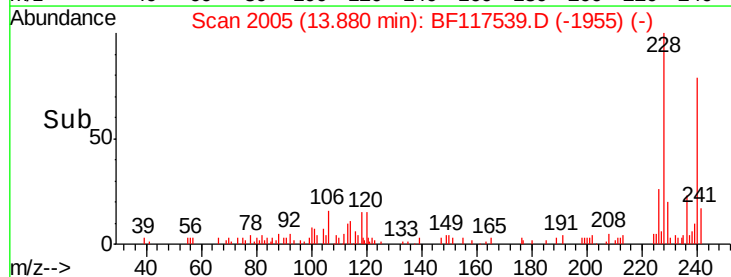
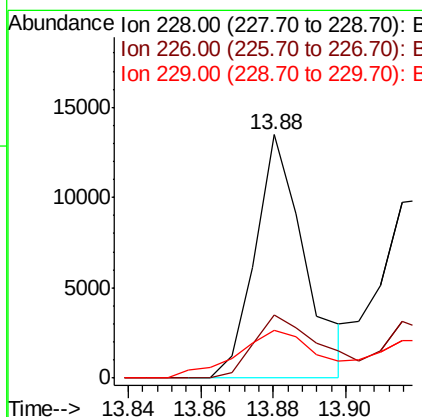
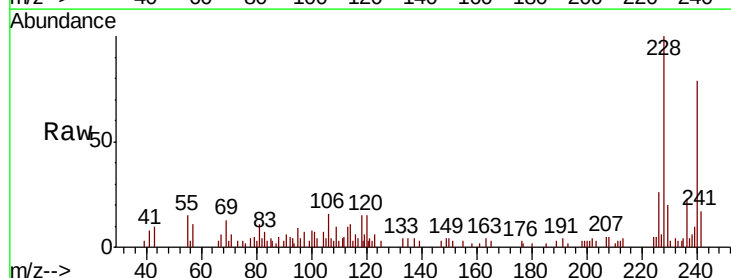
Instrument :
 BNA_F
 ClientSampleId :
 183-82-(0-2.1)

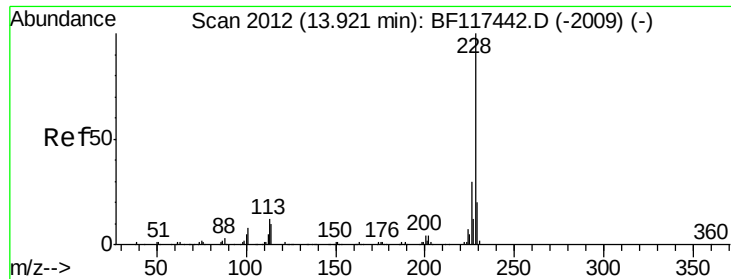
Tot Ion:244 Resp: 172999
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 12.2 11.8 17.8



#81
 Benzo(a)anthracene
 Concen: 2.707 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117539.D
 Acq: 25 Oct 2019 16:39

Tgt Ion:228 Resp: 12853
 Ion Ratio Lower Upper
 228 100
 226 26.0 21.0 31.4
 229 19.8 16.4 24.6

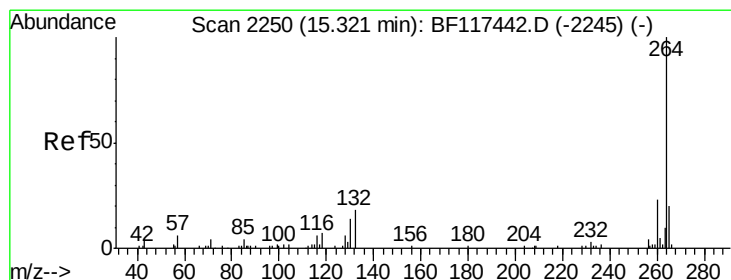
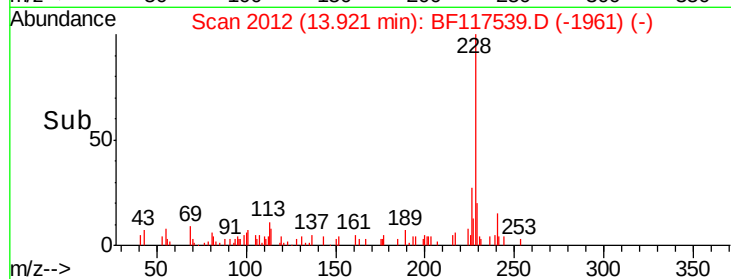
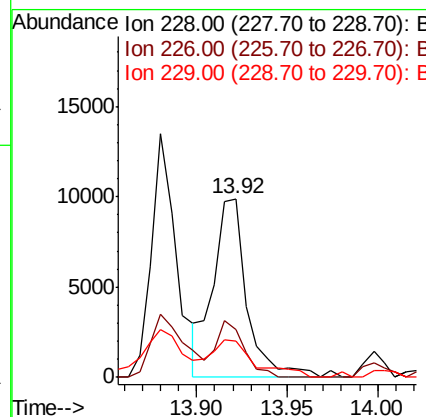
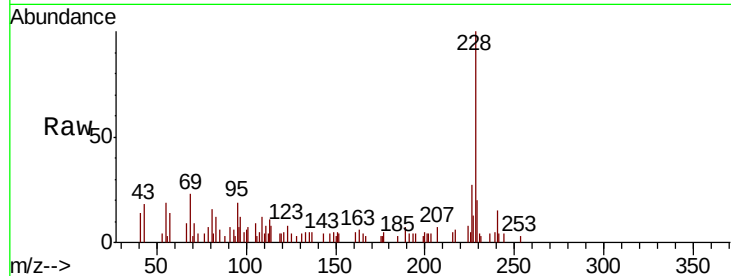




#83
Chrysene
Concen: 2.780 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

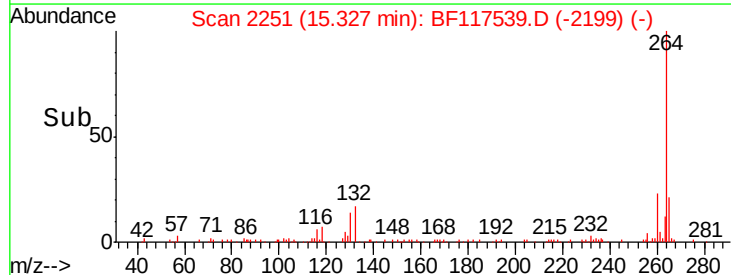
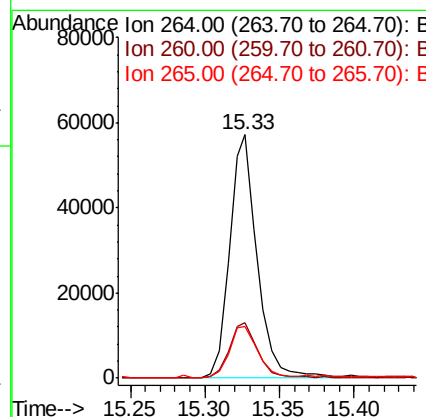
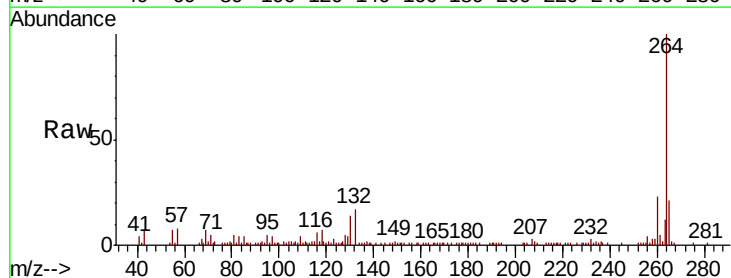
Instrument :
BNA_F
ClientSampleId :
183-82-(0-2.1)

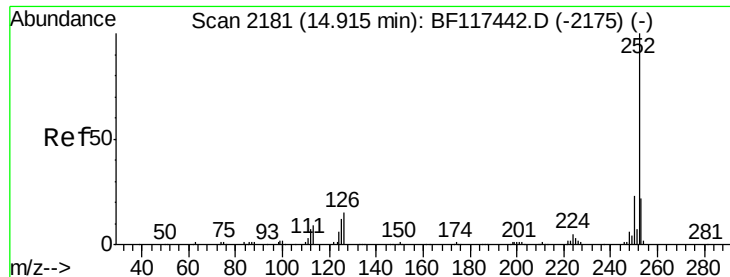
Tot Ion:228	Resp:	12935
Ion	Ratio	Lower Upper
228	100	
226	27.0	23.9 35.9
229	20.3	15.8 23.6



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF117539.D
Acq: 25 Oct 2019 16:39

Tgt Ion:264	Resp:	74068
Ion	Ratio	Lower Upper
264	100	
260	22.9	18.4 27.6
265	21.4	16.1 24.1





#88

Benzo(b)fluoranthene

Concen: 3.857 ng/mL

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

Instrument :

BNA_F

ClientSampleId :

183-82-(0-2.1)

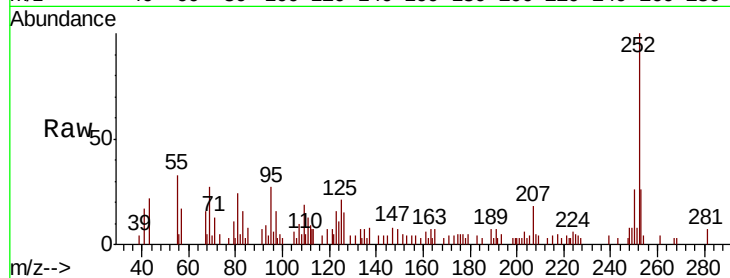
Tot Ion:252 Resp: 16868

Ion Ratio Lower Upper

252 100

253 25.6 17.8 26.6

125 20.9 9.9 14.9#

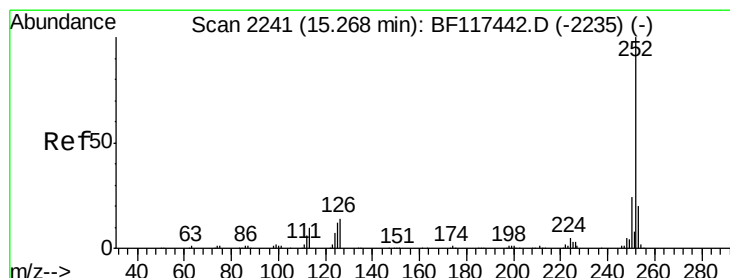
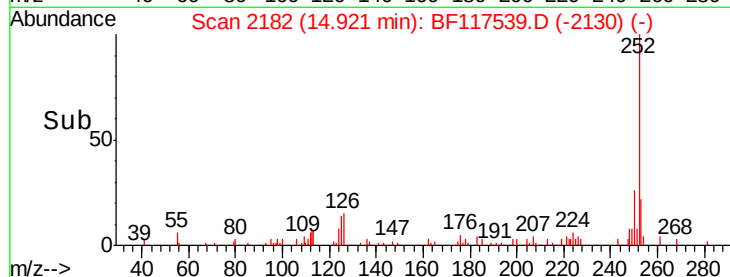
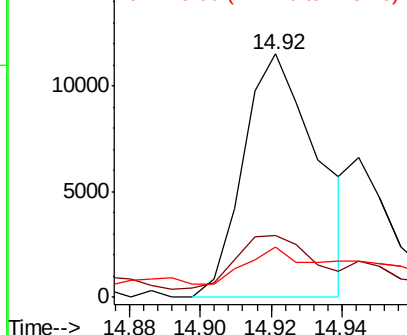


Abundance

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



#90

Benzo(a)pyrene

Concen: 2.775 ng/mL

RT: 15.27 min Scan# 2241

Delta R.T. -0.00 min

Lab File: BF117539.D

Acq: 25 Oct 2019 16:39

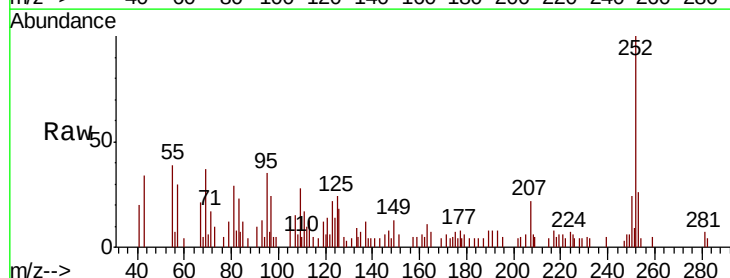
Tgt Ion:252 Resp: 11034

Ion Ratio Lower Upper

252 100

253 26.2 16.3 24.5#

125 24.4 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

