

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
 Data File : BF118437.D
 Acq On : 2 Jan 2020 16:01
 Operator : JU
 Sample : K6462-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K500-5

Quant Time: Jan 02 16:57:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

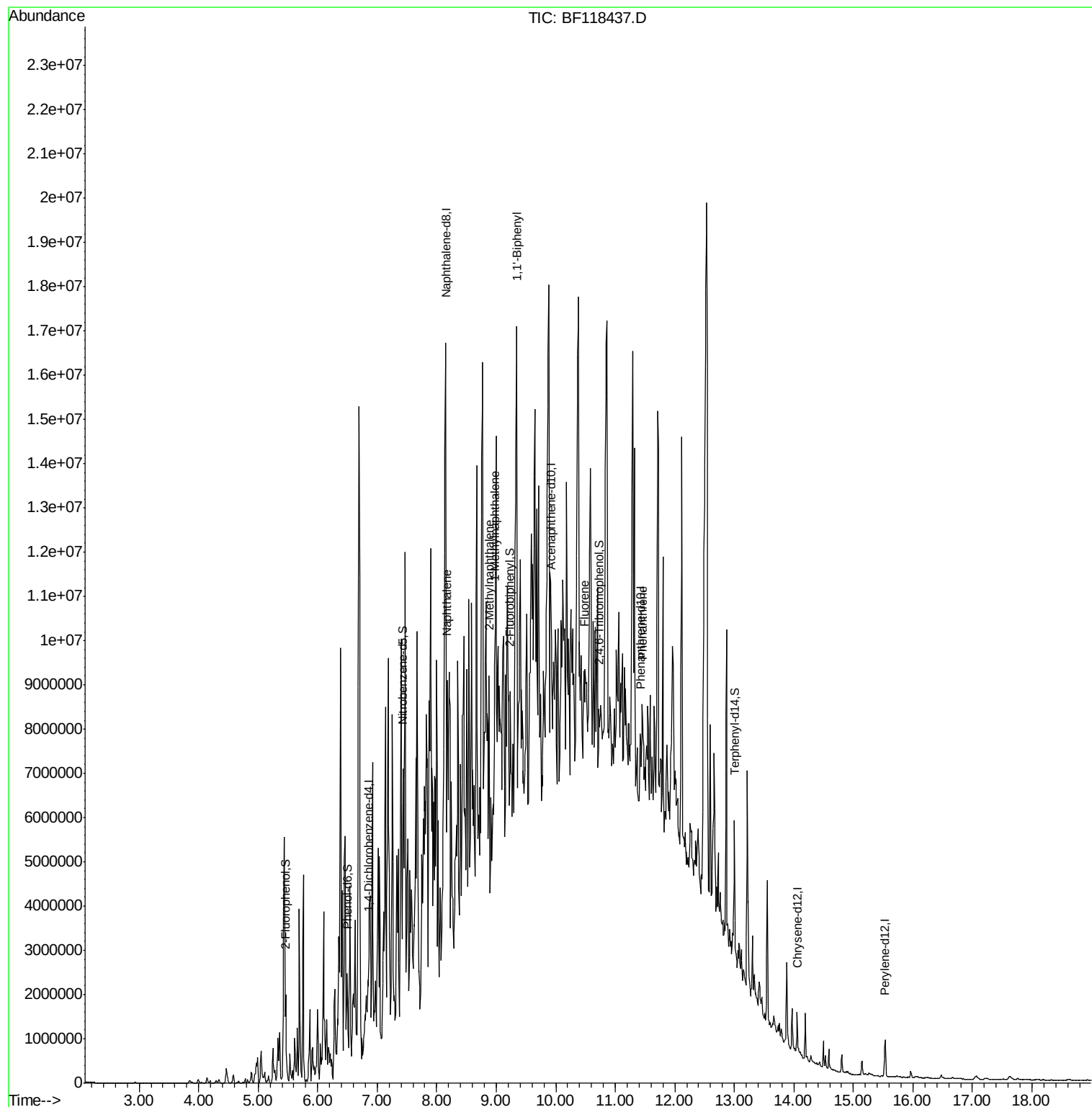
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	119669	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	295011	20.00	ng	0.01
39) Acenaphthene-d10	9.93	164	232700	20.00	ng	0.03
64) Phenanthrene-d10	11.42	188	354053	20.00	ng	0.03
76) Chrysene-d12	14.05	240	310336	20.00	ng	0.00
87) Perylene-d12	15.53	264	336952	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	604517	86.23	ng	0.00
7) Phenol-d6	6.49	99	830057	95.44	ng	0.00
23) Nitrobenzene-d5	7.43	82	574060	111.30	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	172775	60.12	ng	0.04
45) 2-Fluorobiphenyl	9.23	172	945405	62.02	ng	0.01
79) Terphenyl-d14	13.00	244	1049522	56.11	ng	0.02
Target Compounds						
31) Naphthalene	8.17	128	582977	38.880	ng	Qvalue # 79
37) 2-Methylnaphthalene	8.88	142	1313020	127.899	ng	97
38) 1-Methylnaphthalene	8.97	142	828341	85.643	ng	# 97
46) 1,1'-Biphenyl	9.34	154	238896	12.980	ng	97
58) Fluorene	10.48	166	163028	10.214	ng	# 73
71) Phenanthrene	11.45	178	200547	10.390	ng	# 84

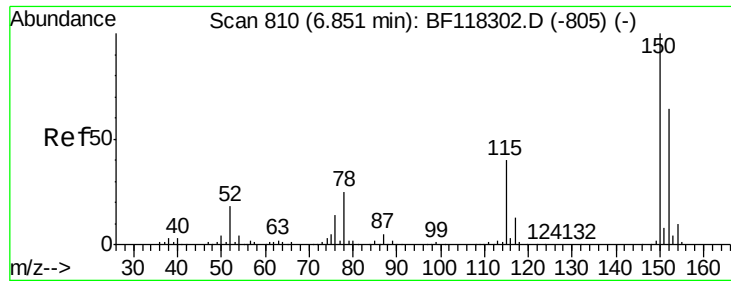
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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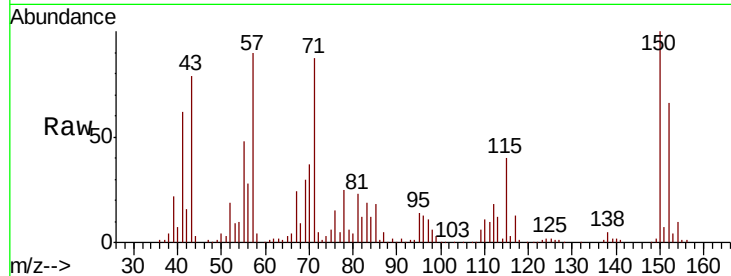


#1

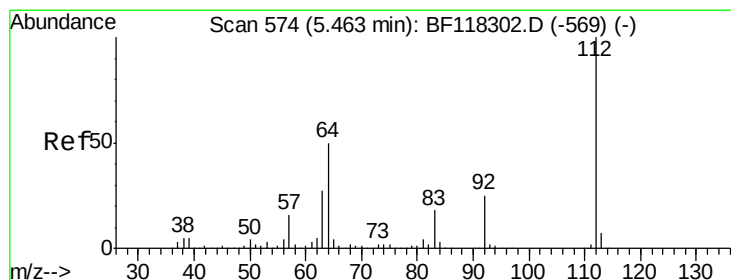
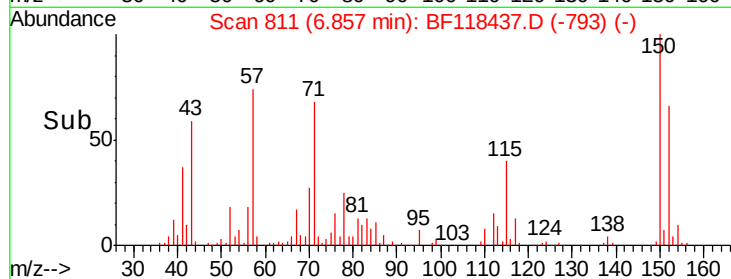
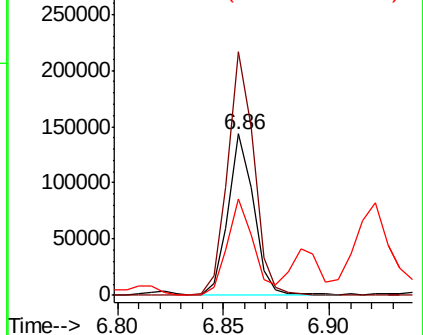
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF118437.D
Acq: 2 Jan 2020 16:01

Instrument :
BNA_F
ClientSampled :
K500-5

Tot Ion:152 Resp: 119669
Ion Ratio Lower Upper
152 100
150 151.0 125.4 188.2
115 59.8 50.2 75.4



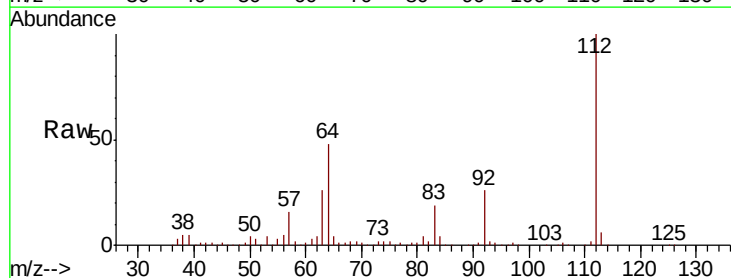
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



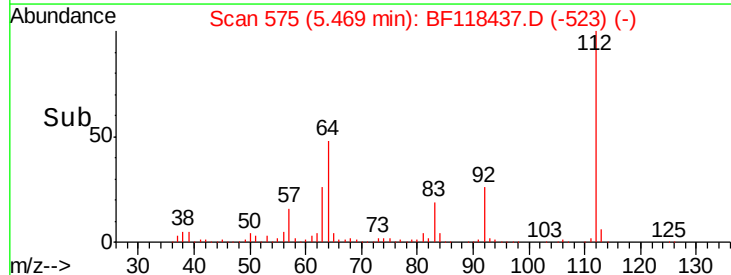
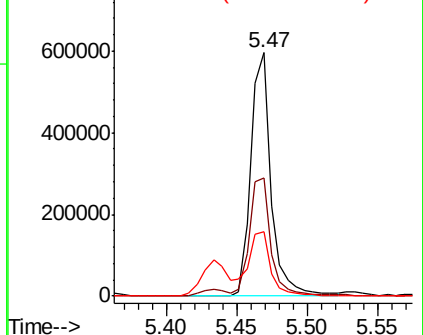
#5

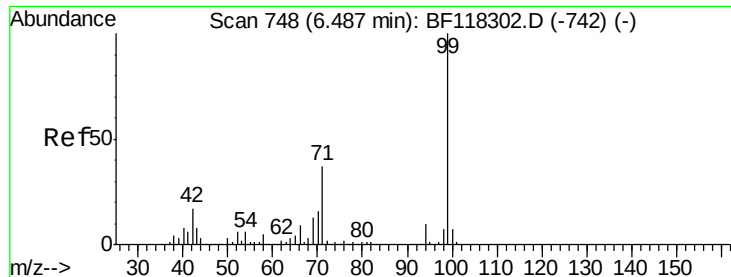
2-Fluorophenol
Concen: 86.230 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118437.D
Acq: 2 Jan 2020 16:01

Tgt Ion:112 Resp: 604517
Ion Ratio Lower Upper
112 100
64 48.4 39.7 59.5
63 26.2 21.7 32.5



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: 95.445 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118437.D

Acq: 2 Jan 2020 16:01

Instrument :

BNA_F

ClientSampled :

K500-5

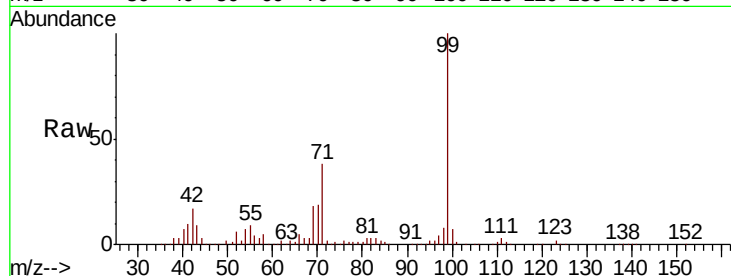
Tot Ion: 99 Resp: 830057

Ion Ratio Lower Upper

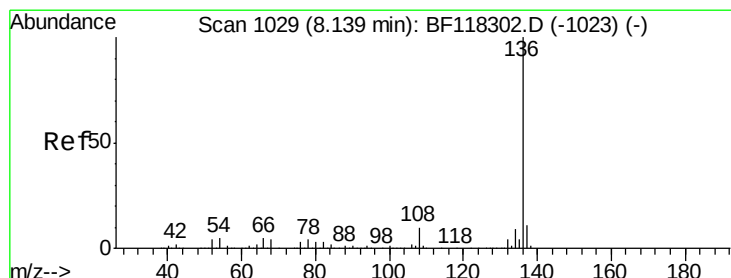
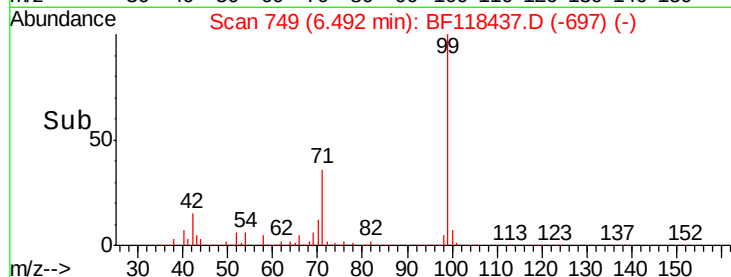
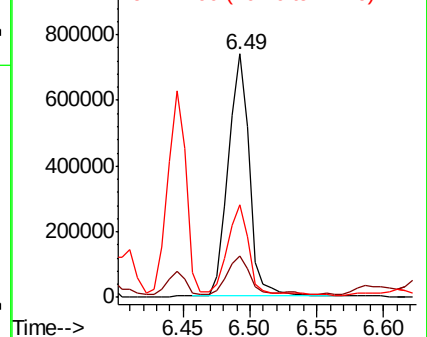
99 100

42 17.2 13.5 20.3

71 37.9 29.4 44.2



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: 8.15 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BF118437.D

Acq: 2 Jan 2020 16:01

Tgt Ion: 136 Resp: 295011

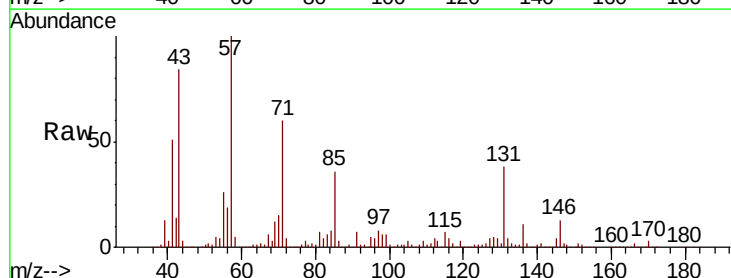
Ion Ratio Lower Upper

136 100

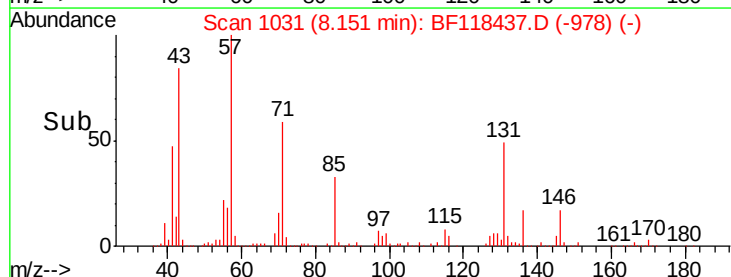
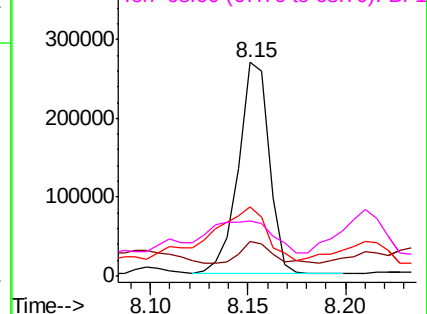
137 16.2 8.9 13.3#

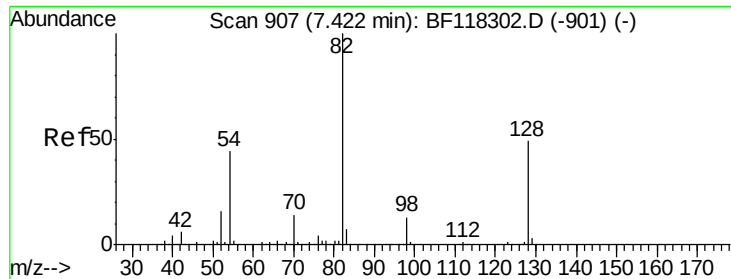
54 32.4 4.2 6.4#

68 26.1 3.5 5.3#



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

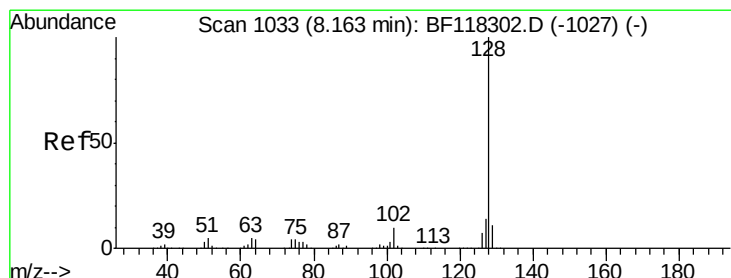
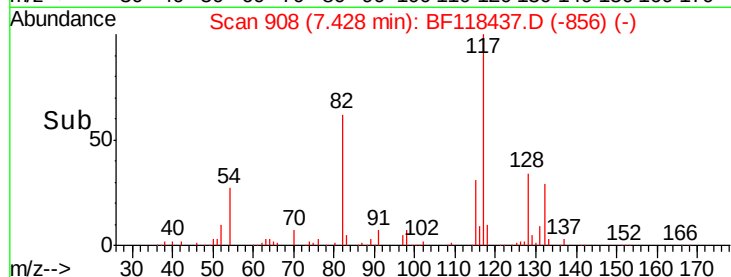
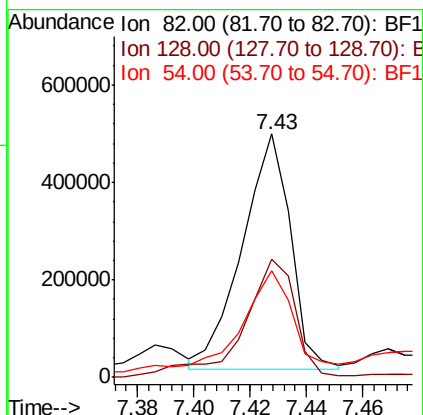
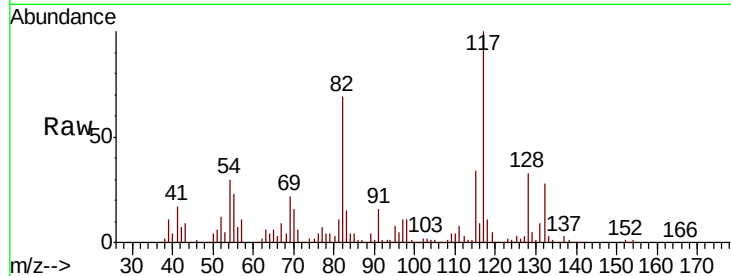




#23
Nitrobenzene-d5
Concen: 111.295 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.01 min
Lab File: BF118437.D
Acq: 2 Jan 2020 16:01

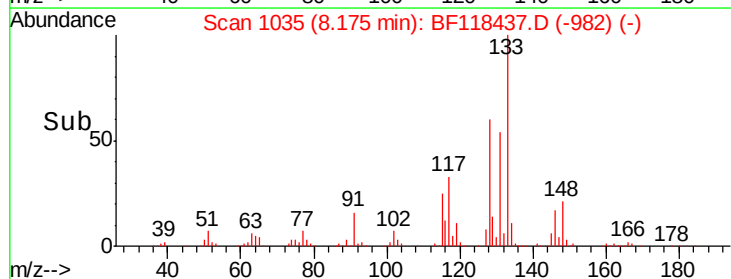
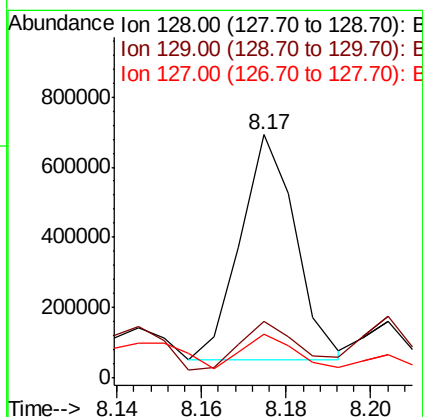
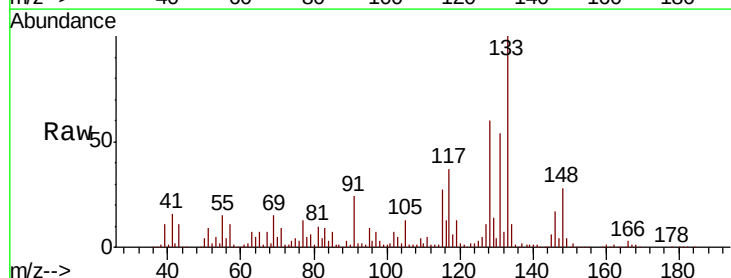
Instrument :
BNA_F
ClientSampleId :
K500-5

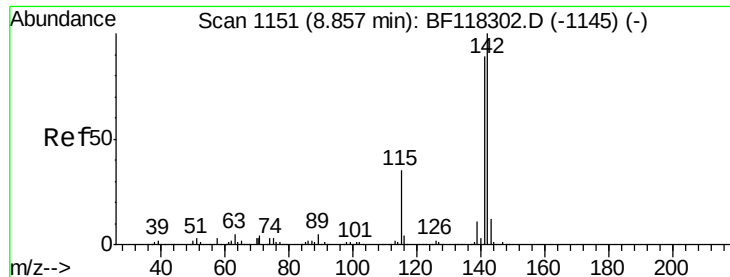
Tot Ion	82	Resp	574060
Ion Ratio	Lower	Upper	
82	100		
128	48.5	39.6	59.4
54	43.9	34.9	52.3



#31
Naphthalene
Concen: 38.880 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.01 min
Lab File: BF118437.D
Acq: 2 Jan 2020 16:01

Tgt Ion	128	Resp	582977
Ion Ratio	Lower	Upper	
128	100		
129	23.4	9.0	13.4#
127	18.2	11.0	16.4#

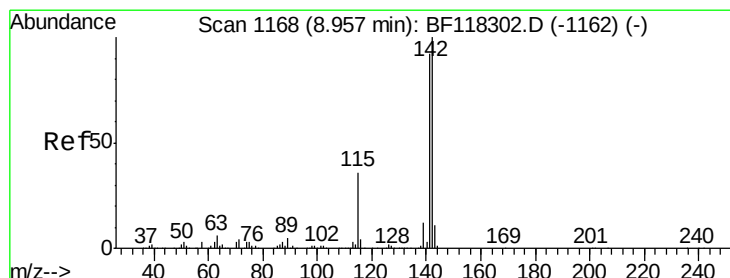
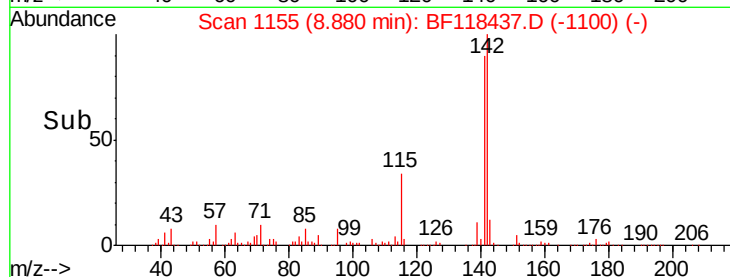
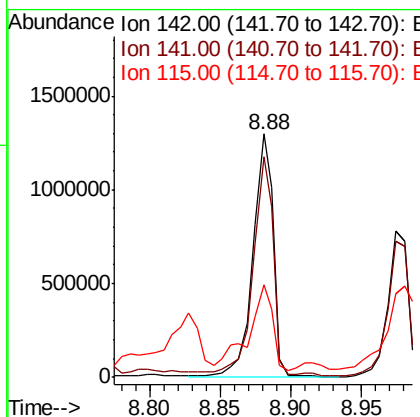
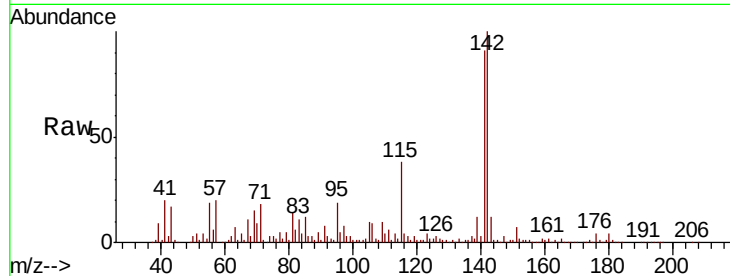




#37
 2-Methylnaphthalene
 Concen: 127.899 ng
 RT: 8.88 min Scan# 1155
 Delta R.T. 0.02 min
 Lab File: BF118437.D
 Acq: 2 Jan 2020 16:01

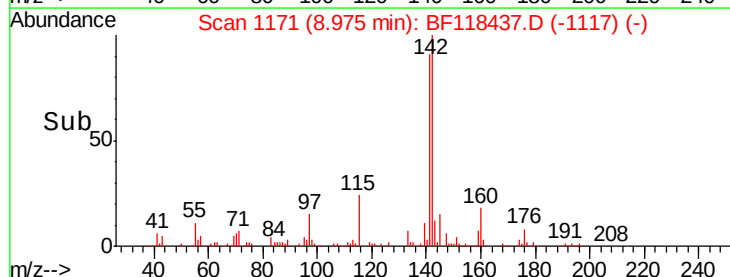
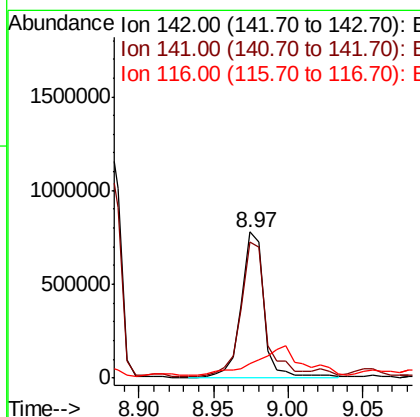
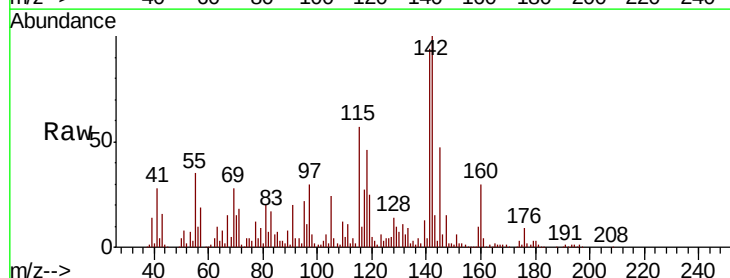
Instrument :
 BNA_F
 ClientSampleId :
 K500-5

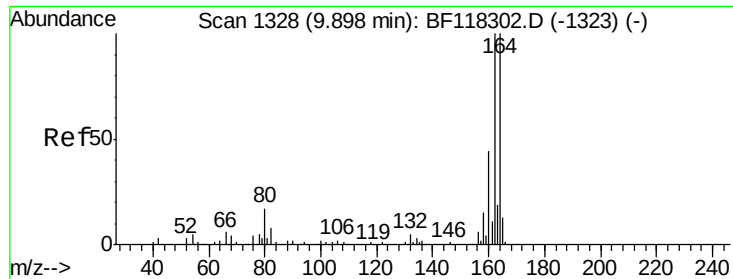
Tot Ion:142 Resp: 1313020
 Ion Ratio Lower Upper
 142 100
 141 90.6 71.2 106.8
 115 38.0 28.0 42.0



#38
 1-Methylnaphthalene
 Concen: 85.643 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. 0.02 min
 Lab File: BF118437.D
 Acq: 2 Jan 2020 16:01

Tgt Ion:142 Resp: 828341
 Ion Ratio Lower Upper
 142 100
 141 93.6 73.4 110.2
 116 9.8 2.9 4.3#

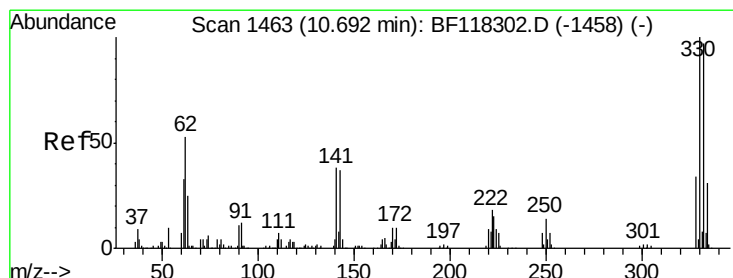
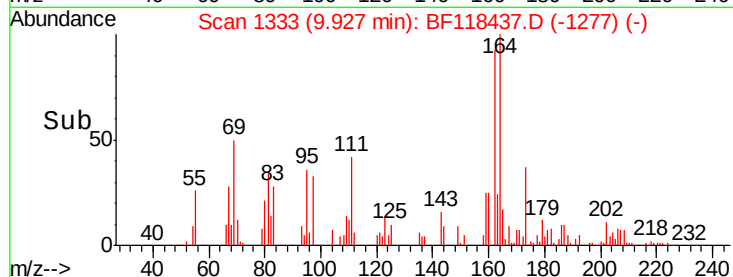
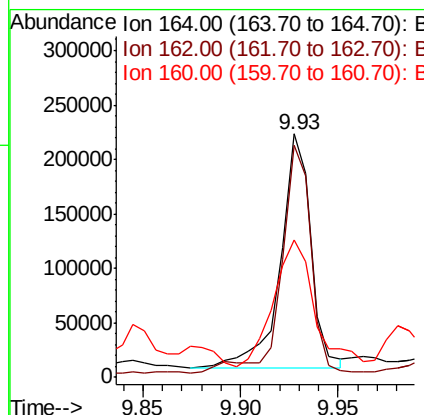
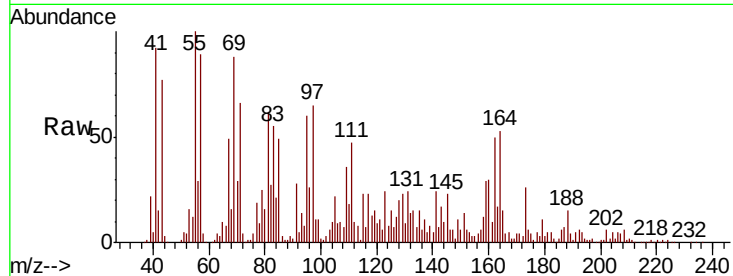




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.03 min
 Lab File: BF118437.D
 Acq: 2 Jan 2020 16:01

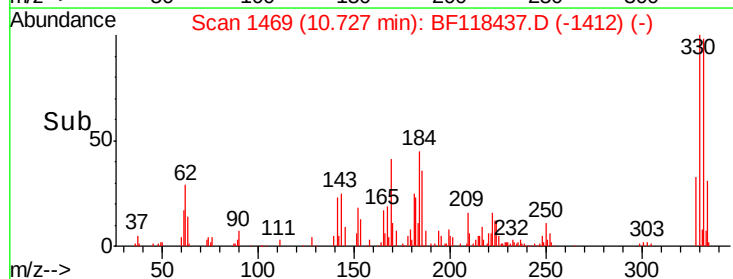
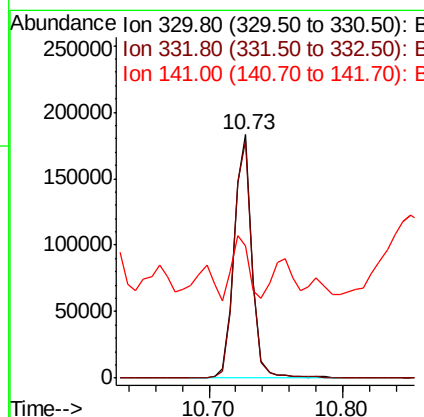
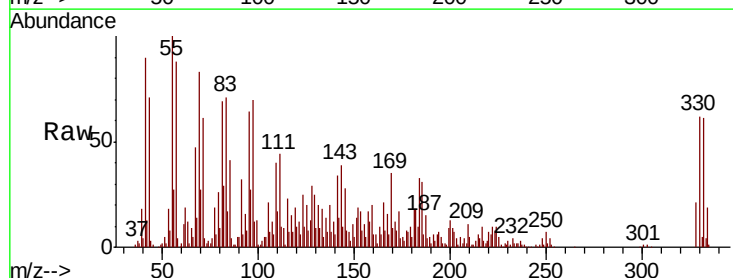
Instrument :
 BNA_F
 ClientSampleId :
 K500-5

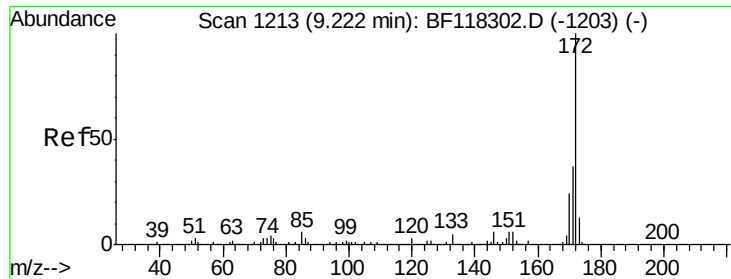
Tot Ion:164 Resp: 232700
 Ion Ratio Lower Upper
 164 100
 162 95.2 80.0 120.0
 160 56.2 34.8 52.2#



#42
 2,4,6-Tribromophenol
 Concen: 60.123 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.04 min
 Lab File: BF118437.D
 Acq: 2 Jan 2020 16:01

Tgt Ion:330 Resp: 172775
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.6 114.8
 141 24.8 26.0 39.0#

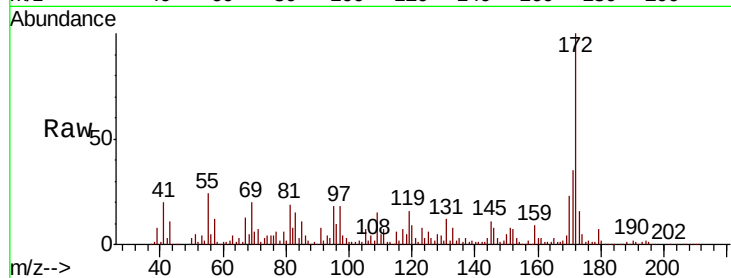




#45
2-Fluorobiphenyl
Concen: 62.017 ng
RT: 9.23 min Scan# 1215
Delta R.T. 0.01 min
Lab File: BF118437.D
Acq: 2 Jan 2020 16:01

Instrument :
BNA_F
ClientSampleId :
K500-5

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.3	43.9
170	23.3	19.2	28.8

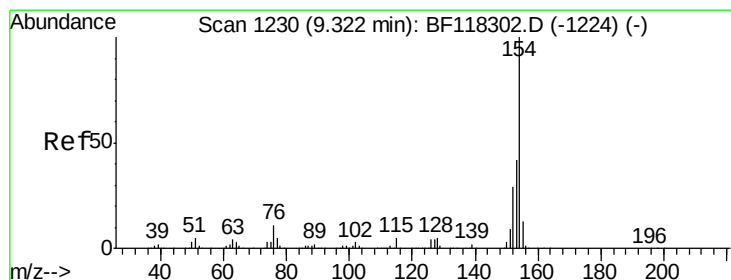
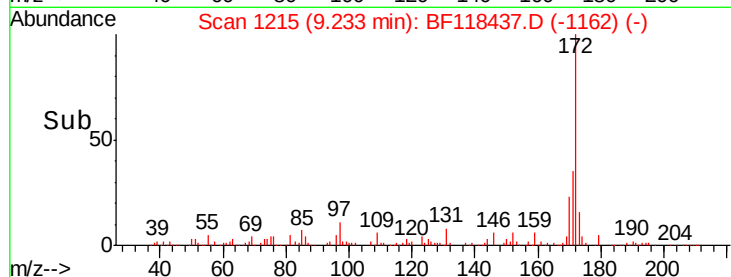
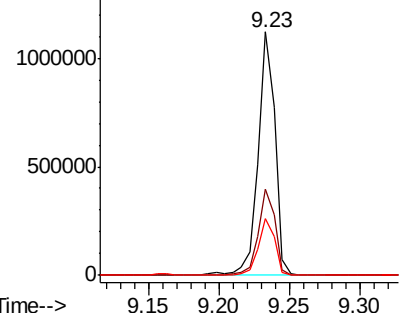


Abundance

Ion 172.00 (171.70 to 172.70): E

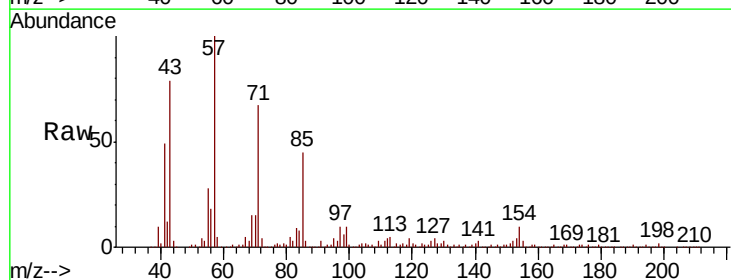
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 12.980 ng
RT: 9.34 min Scan# 1233
Delta R.T. 0.02 min
Lab File: BF118437.D
Acq: 2 Jan 2020 16:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.2	21.8	61.8
76	10.6	0.0	30.9

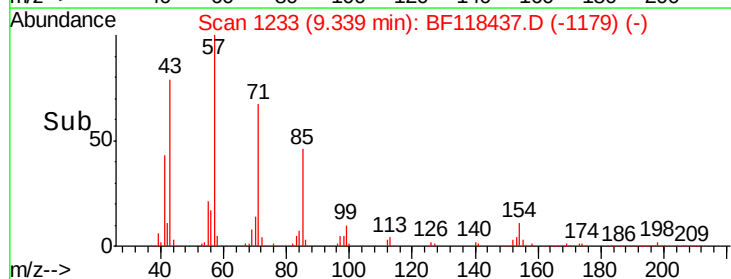
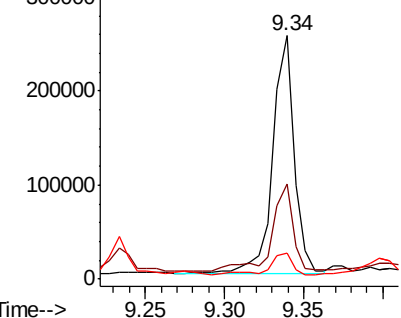


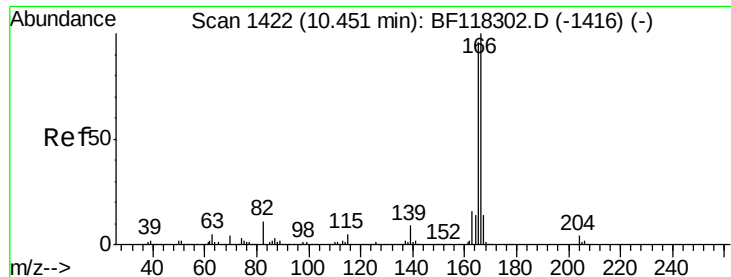
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#58

Fluorene

Concen: 10.214 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.03 min

Lab File: BF118437.D

Acq: 2 Jan 2020 16:01

Instrument :

BNA_F

ClientSampled :

K500-5

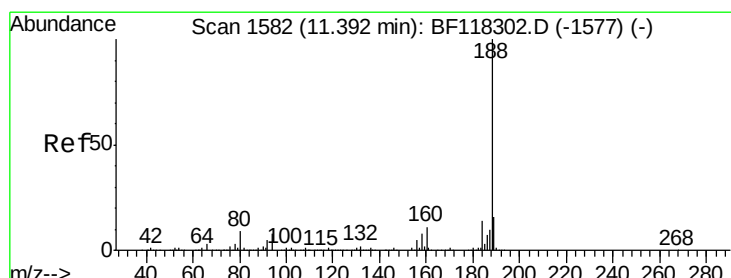
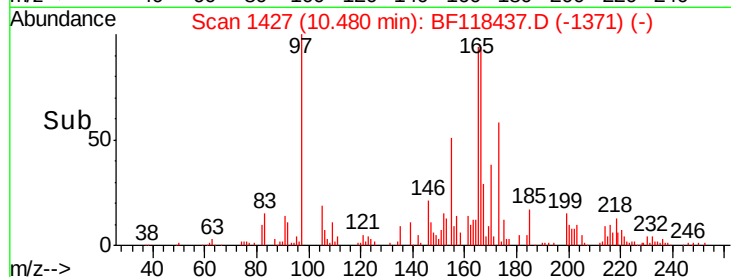
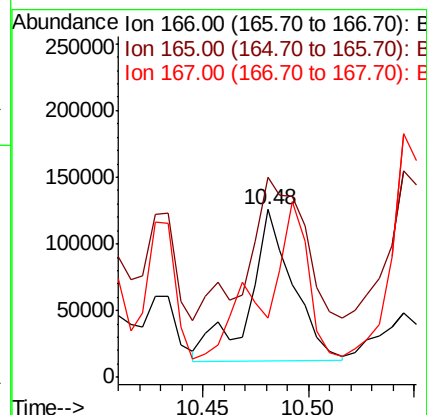
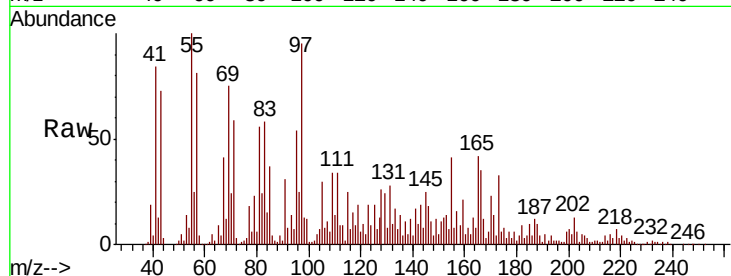
Tot Ion:166 Resp: 163028

Ion Ratio Lower Upper

166 100

165 119.2 77.0 115.4#

167 35.4 10.9 16.3#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.03 min

Lab File: BF118437.D

Acq: 2 Jan 2020 16:01

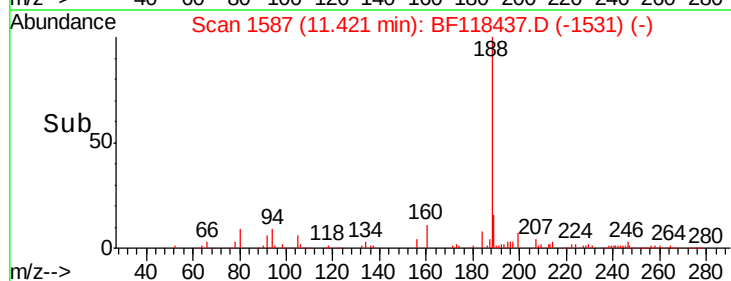
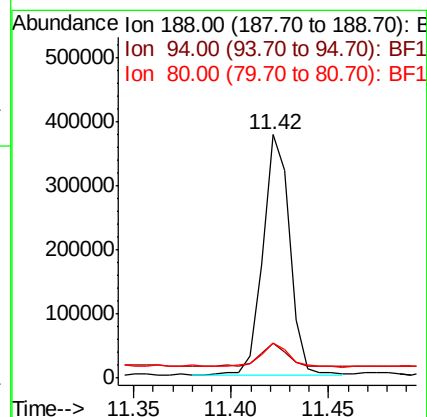
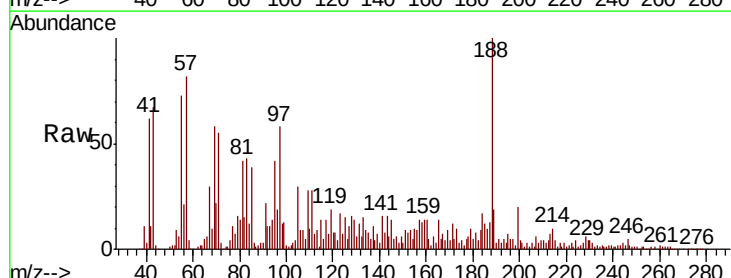
Tgt Ion:188 Resp: 354053

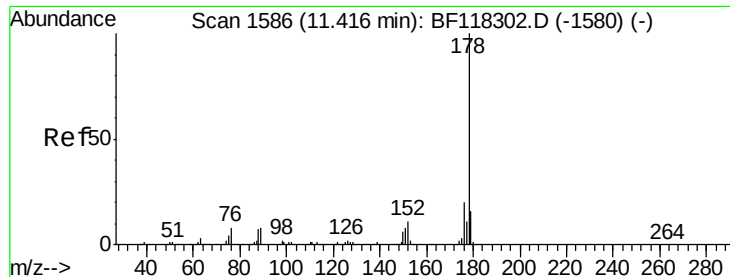
Ion Ratio Lower Upper

188 100

94 14.3 6.7 10.1#

80 14.4 7.2 10.8#





#71

Phenanthrene

Concen: 10.390 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.03 min

Lab File: BF118437.D

Acq: 2 Jan 2020 16:01

Instrument :

BNA_F

ClientSampleId :

K500-5

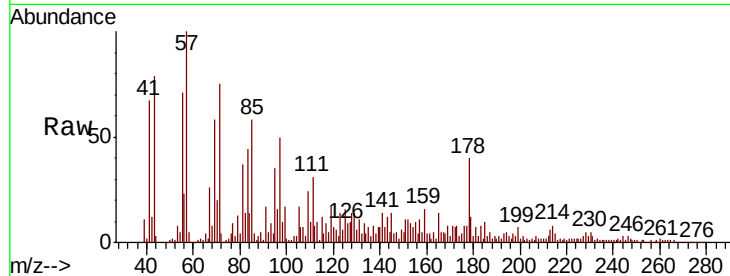
Tot Ion:178 Resp: 200547

Ion Ratio Lower Upper

178 100

176 20.7 15.6 23.4

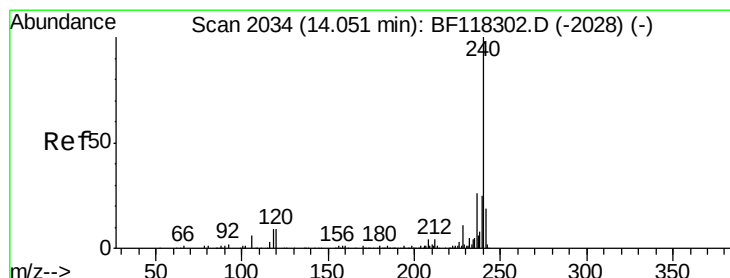
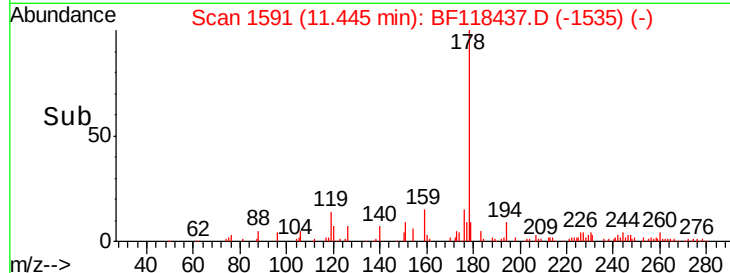
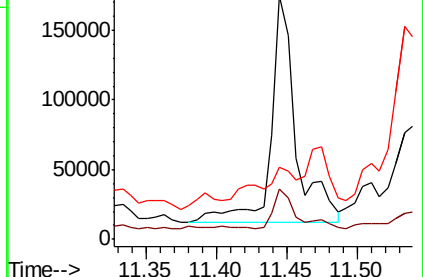
179 29.6 12.6 19.0#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF118437.D

Acq: 2 Jan 2020 16:01

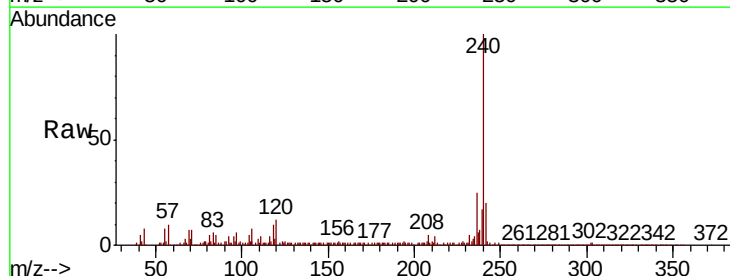
Tgt Ion:240 Resp: 310336

Ion Ratio Lower Upper

240 100

120 11.9 7.1 10.7#

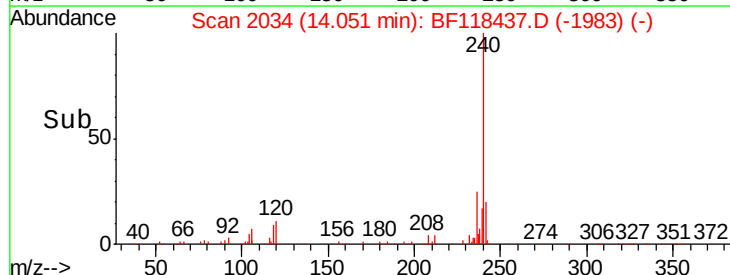
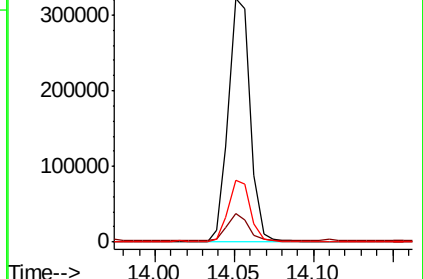
236 25.4 21.0 31.6

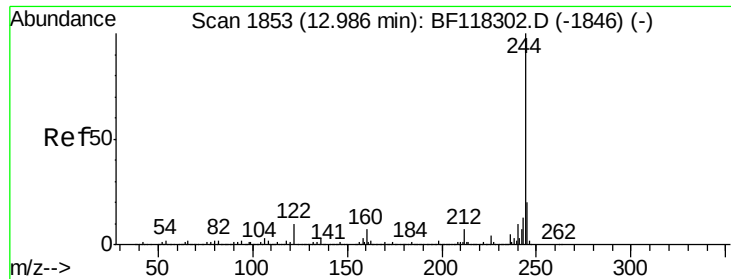


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

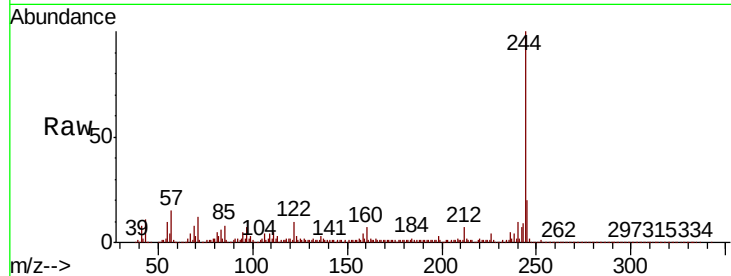




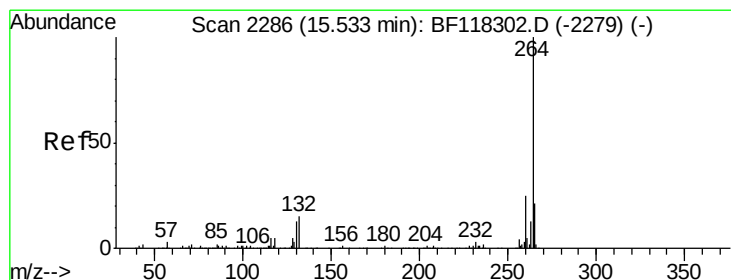
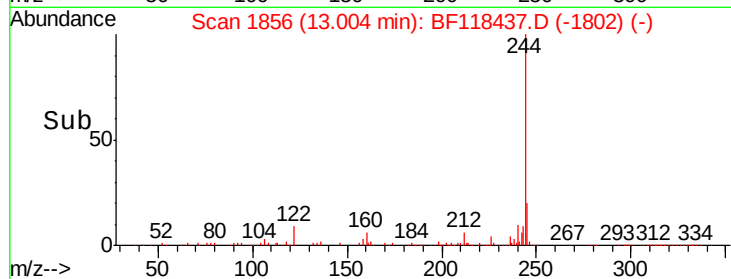
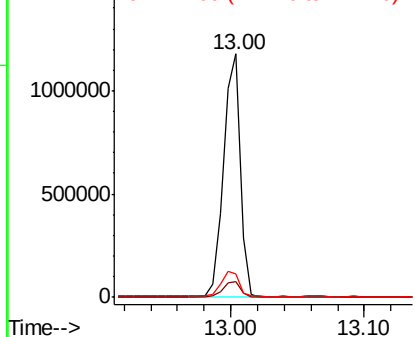
#79
 Terphenyl-d14
 Concen: 56.107 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. 0.02 min
 Lab File: BF118437.D
 Acq: 2 Jan 2020 16:01

Instrument :
 BNA_F
 ClientSampleId :
 K500-5

Tot Ion:244 Resp: 1049522
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 9.7 7.8 11.8

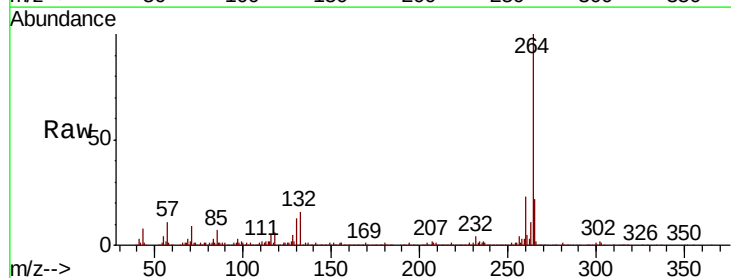


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. -0.00 min
 Lab File: BF118437.D
 Acq: 2 Jan 2020 16:01

Tgt Ion:264 Resp: 336952
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.8 29.6
 265 21.8 17.0 25.4



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

