

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
 Data File : BF118247.D
 Acq On : 18 Dec 2019 1:00
 Operator : JU
 Sample : K6112-05 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 18 05:07:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

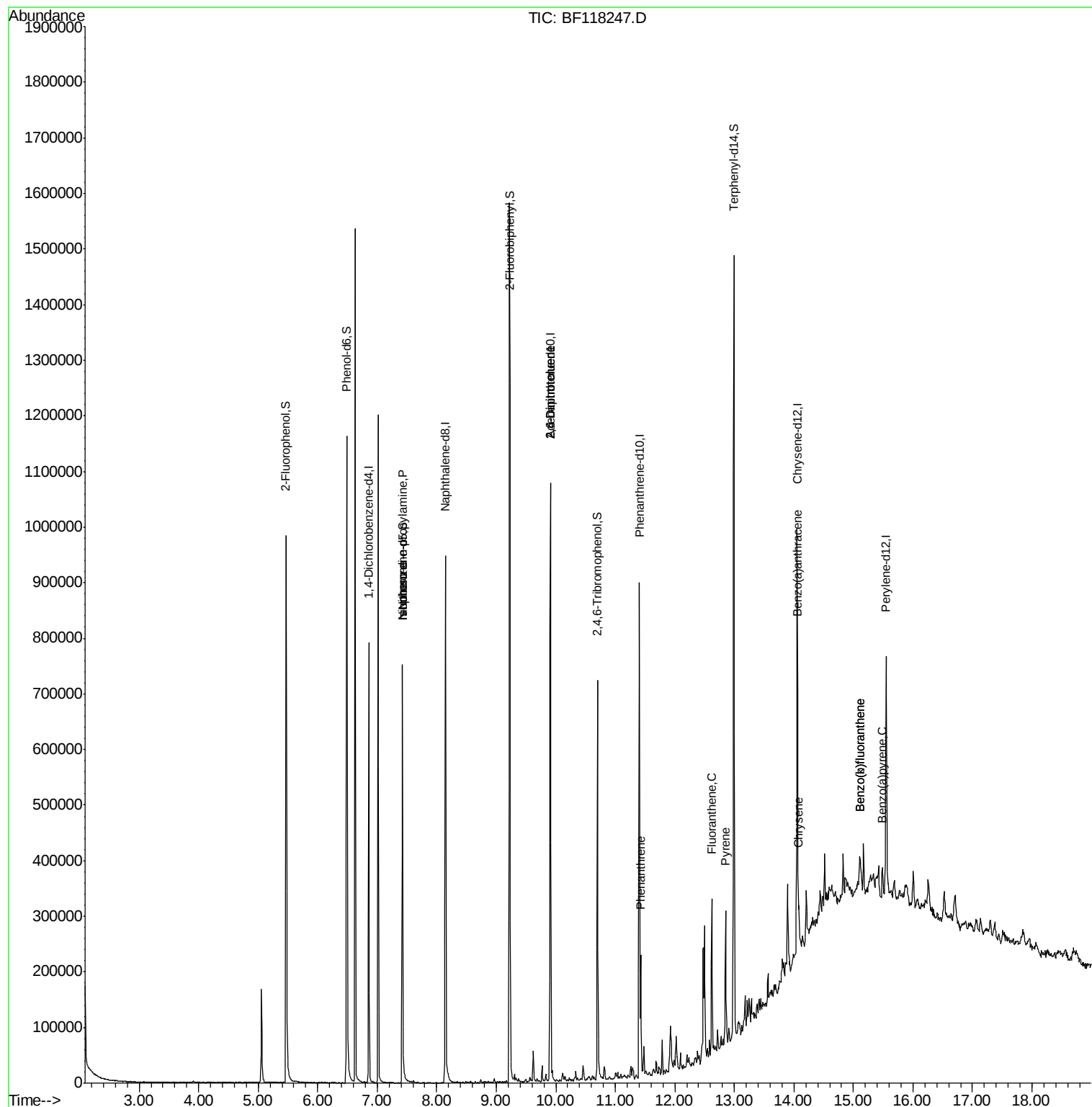
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	119849	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	469899	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	214821	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	341300	20.00	ng	0.00
76) Chrysene-d12	14.06	240	232069	20.00	ng	-0.01
87) Perylene-d12	15.55	264	188326	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	323397	47.26	ng	0.00
7) Phenol-d6	6.49	99	418022	50.51	ng	-0.01
23) Nitrobenzene-d5	7.42	82	232840	27.88	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	98221	37.64	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	493935	34.99	ng	-0.02
79) Terphenyl-d14	12.99	244	450758	33.40	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	714	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	31493	6.262 ng	#	1
25) Isophorone	7.42	82	232871	16.446 ng	#	75
51) 2,6-Dinitrotoluene	9.91	165	27394	7.940 ng	#	62
57) 2,4-Dinitrotoluene	9.91	165	27394	5.948 ng	#	27
71) Phenanthrene	11.43	178	75892	4.183 ng		25
75) Fluoranthene	12.62	202	99633	5.371 ng		99
78) Pyrene	12.85	202	85666	4.684 ng		99
81) Benzo(a)anthracene	14.04	228	42165	2.628 ng		95
83) Chrysene	14.08	228	37657	2.457 ng	#	93
88) Benzo(b)fluoranthene	15.11	252	45154	3.625 ng	#	94
89) Benzo(k)fluoranthene	15.11	252	45154	3.774 ng	#	80
90) Benzo(a)pyrene	15.49	252	24286	2.208 ng	#	76
						87

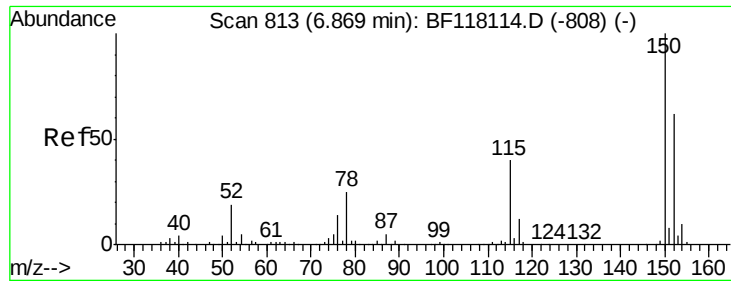
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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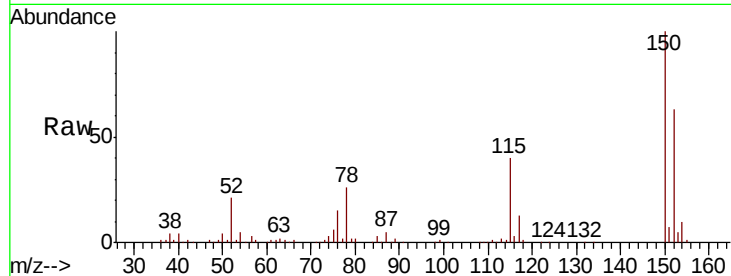


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118247.D
Acq: 18 Dec 2019 1:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	128.3	192.5
115	62.9	51.1	76.7

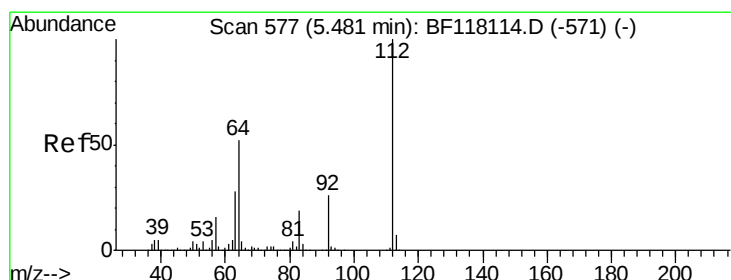
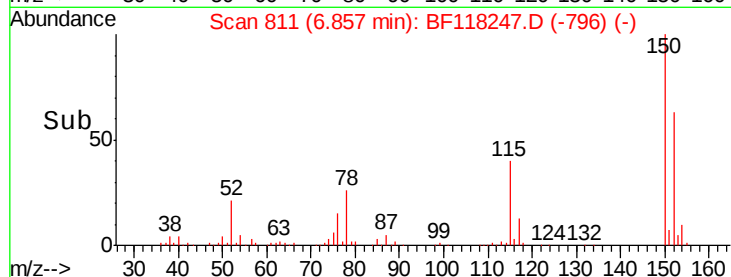
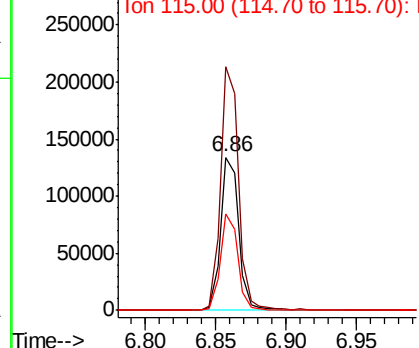


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

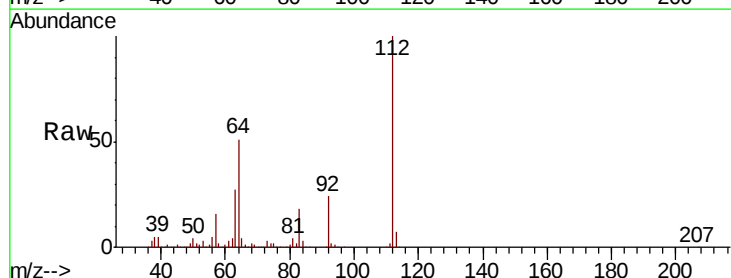
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.261 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118247.D
Acq: 18 Dec 2019 1:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.6	41.3	61.9
63	26.9	22.4	33.6

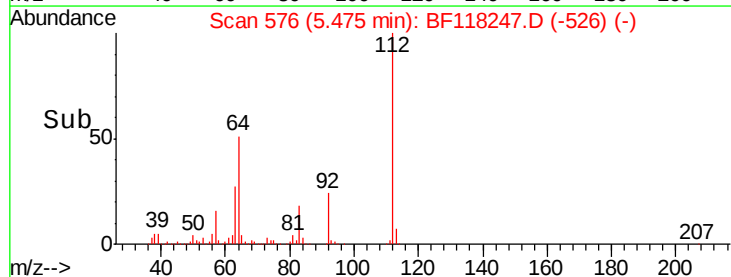
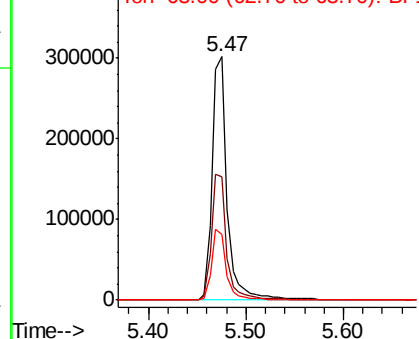


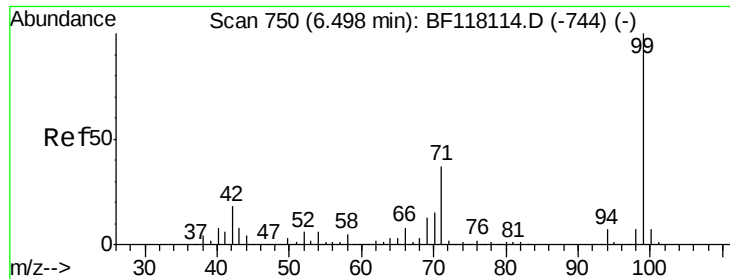
Abundance

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: 50.507 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF118247.D

Acq: 18 Dec 2019 1:00

Instrument :

BNA_F

ClientSampled :

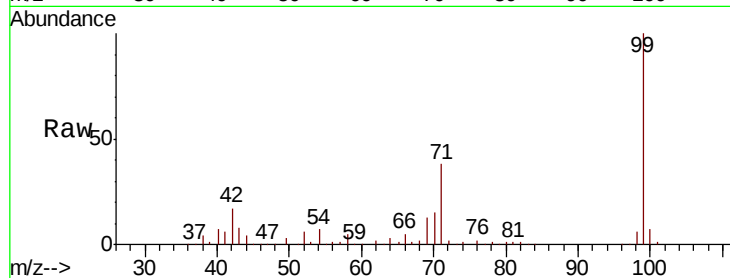
Tot Ion: 99 Resp: 418022

Ion Ratio Lower Upper

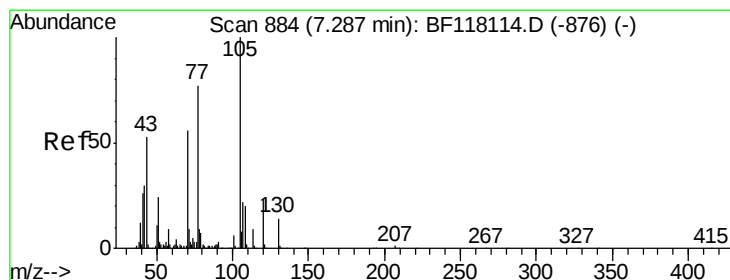
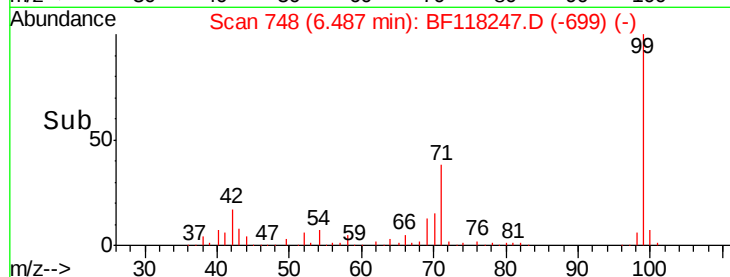
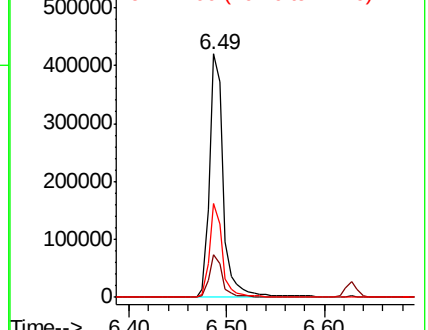
99 100

42 17.4 14.1 21.1

71 38.5 29.7 44.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.262 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118247.D

Acq: 18 Dec 2019 1:00

Tgt Ion: 70 Resp: 31493

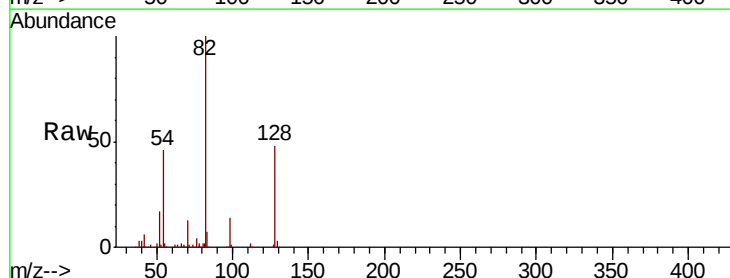
Ion Ratio Lower Upper

70 100

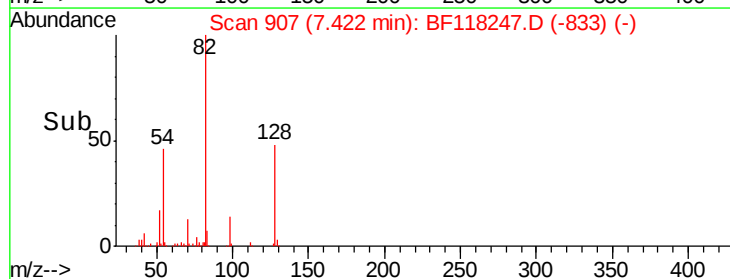
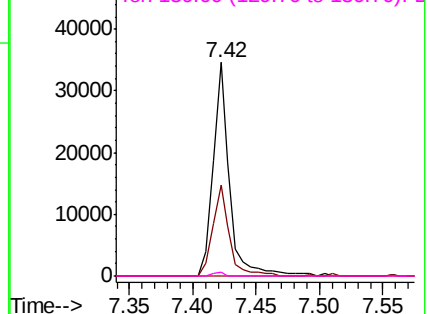
42 42.9 43.2 64.8#

101 0.0 8.1 12.1#

130 1.6 19.8 29.8#



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

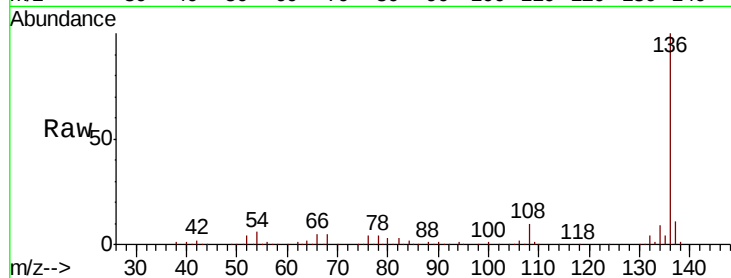




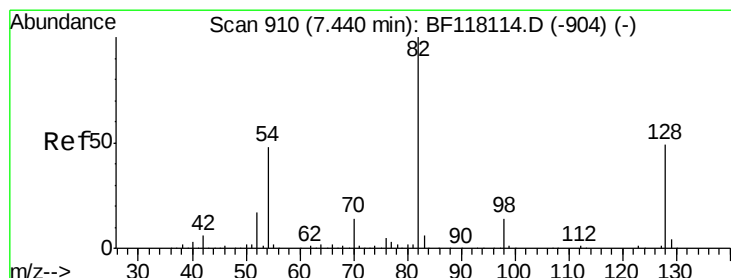
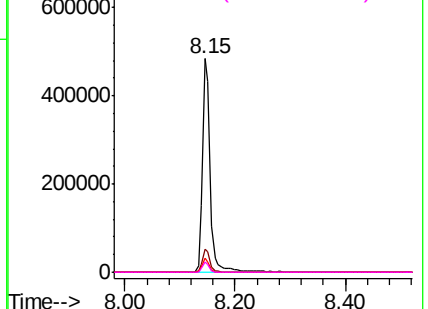
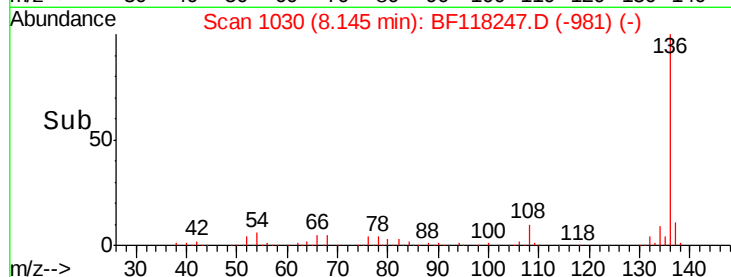
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118247.D
Acq: 18 Dec 2019 1:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	469899
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.0 13.6
54	6.3	5.0 7.6
68	4.8	3.8 5.8

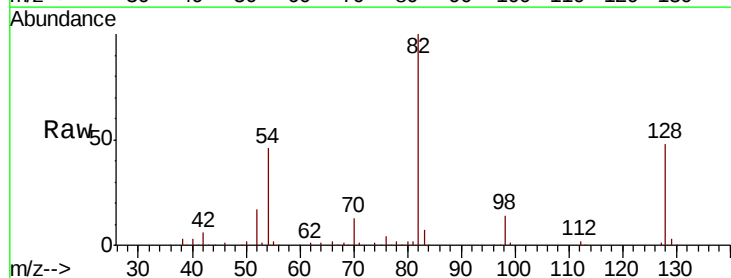


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

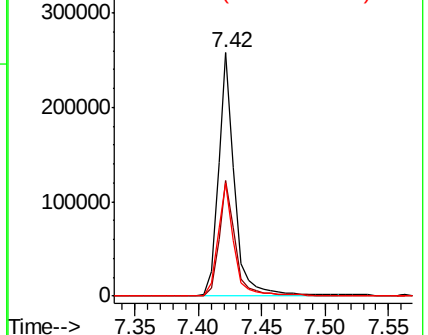
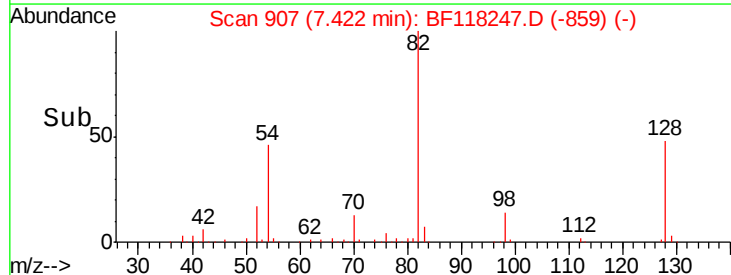


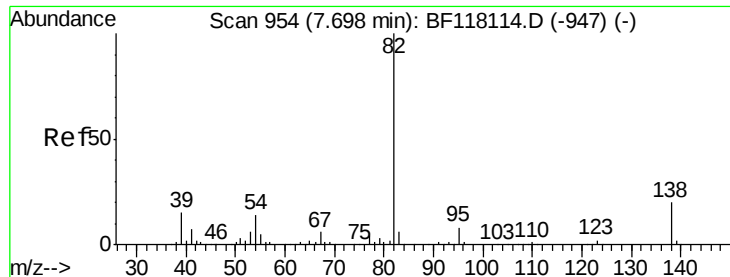
#23
Nitrobenzene-d5
Concen: 27.876 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118247.D
Acq: 18 Dec 2019 1:00

Tgt Ion: 82	Resp:	232840
Ion Ratio	Lower	Upper
82	100	
128	47.7	39.1 58.7
54	46.3	38.2 57.2



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





#25

Isophorone

Concen: 16.446 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF118247.D

Acq: 18 Dec 2019 1:00

Instrument :

BNA_F

ClientSampleId :

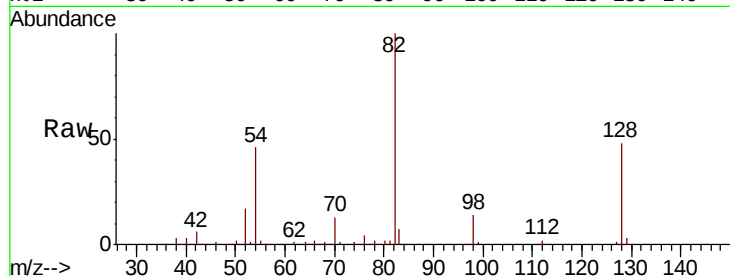
Tot Ion: 82 Resp: 232871

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

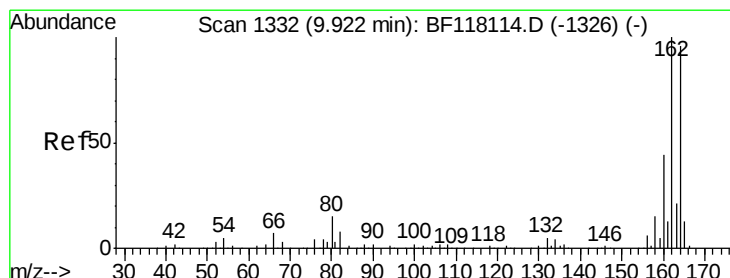
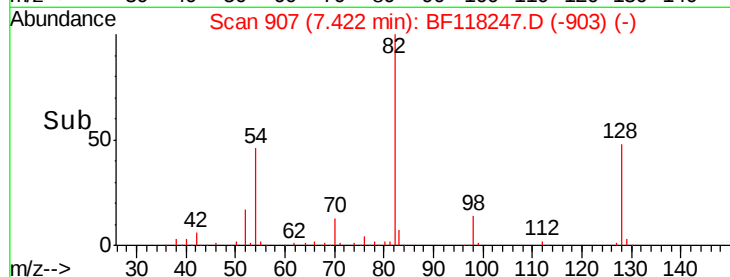
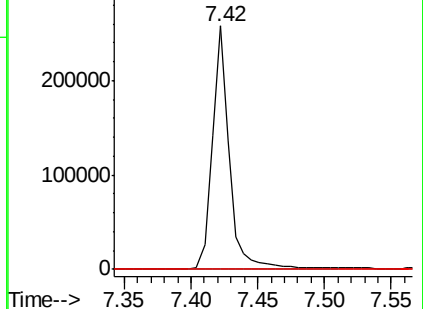
138 0.0 16.3 24.5#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118247.D

Acq: 18 Dec 2019 1:00

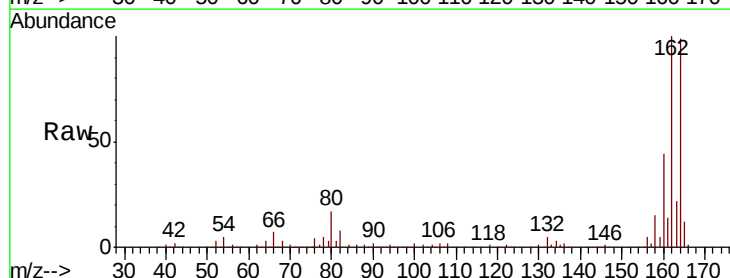
Tgt Ion: 164 Resp: 214821

Ion Ratio Lower Upper

164 100

162 100.7 83.4 125.0

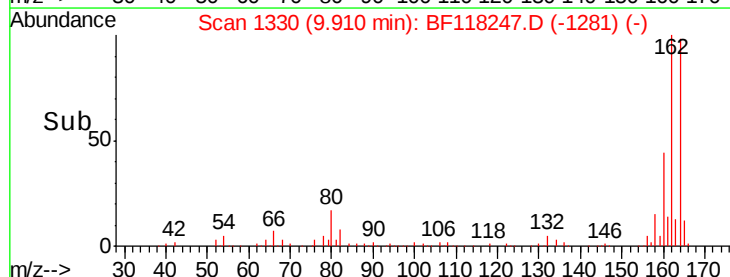
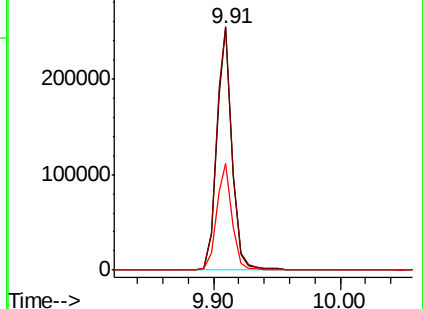
160 44.3 36.6 54.8

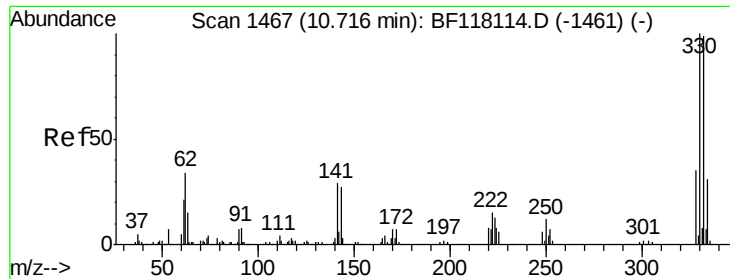


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

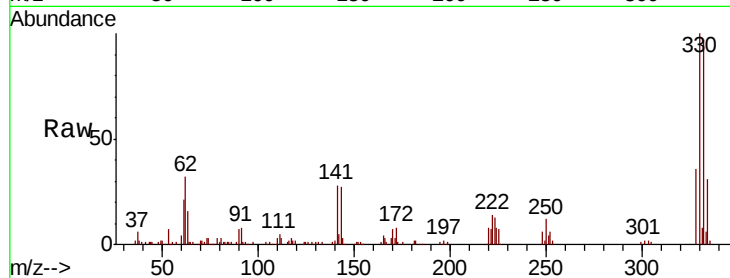




#42
 2,4,6-Tribromophenol
 Concen: 37.637 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118247.D
 Acq: 18 Dec 2019 1:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.1	117.1
141	34.6	26.9	40.3

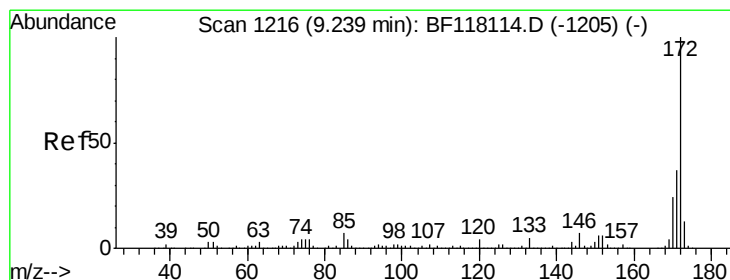
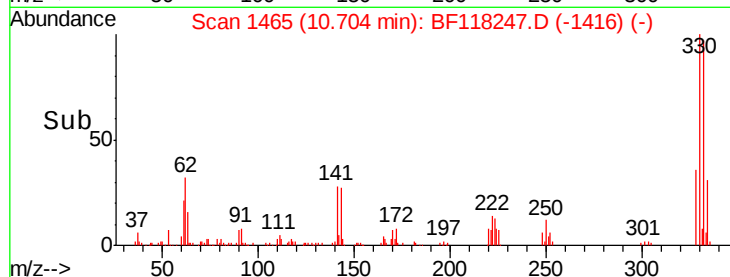
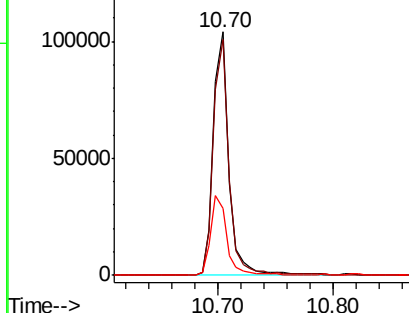


Abundance

Ion 329.80 (329.50 to 330.50): E

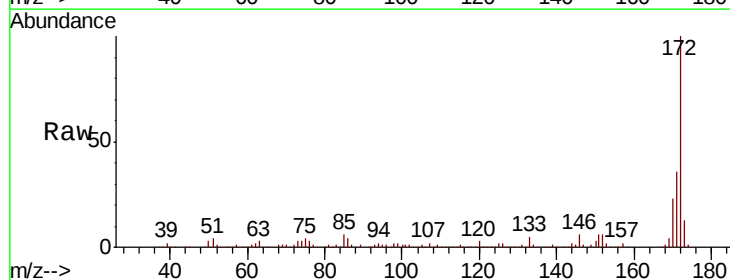
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 34.987 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: BF118247.D
 Acq: 18 Dec 2019 1:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.2	43.8
170	23.1	19.4	29.2

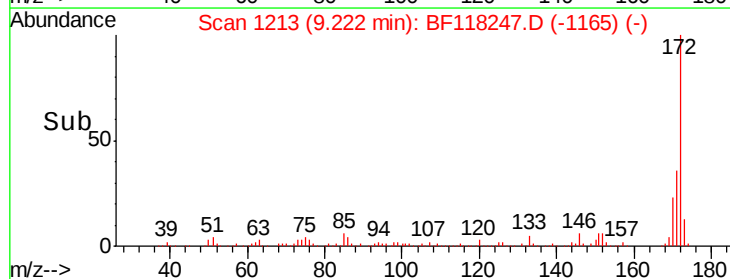
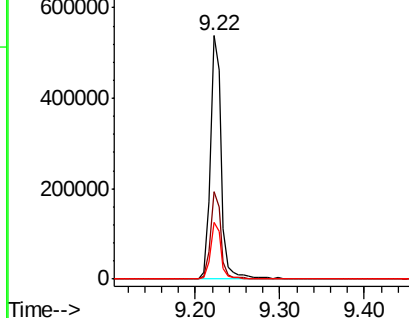


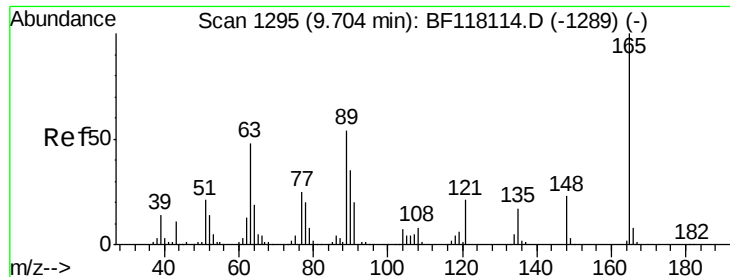
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 7.940 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF118247.D

Acq: 18 Dec 2019 1:00

Instrument :

BNA_F

ClientSampleId :

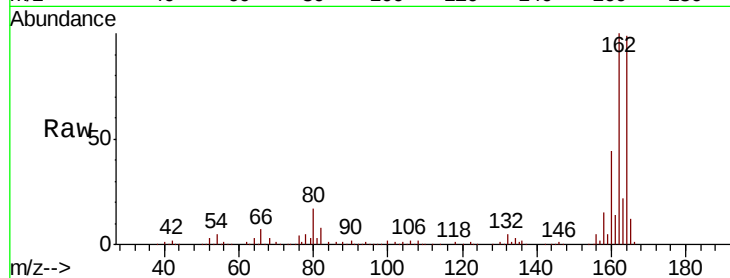
Tot Ion:165 Resp: 27394

Ion Ratio Lower Upper

165 100

63 1.4 41.4 62.0#

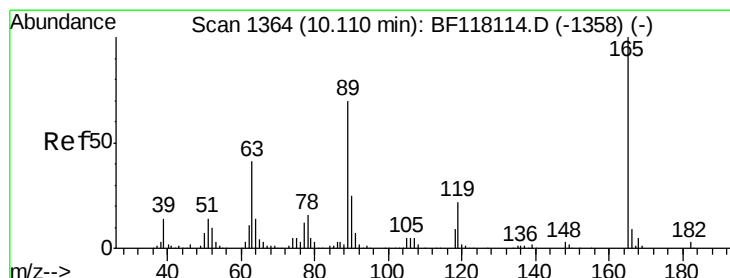
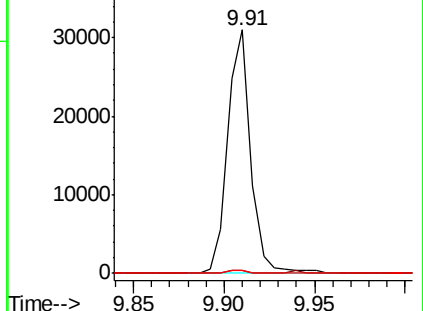
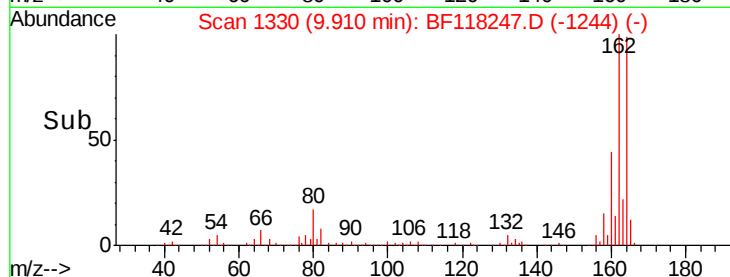
89 1.4 42.9 64.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 5.948 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.20 min

Lab File: BF118247.D

Acq: 18 Dec 2019 1:00

Tgt Ion:165 Resp: 27394

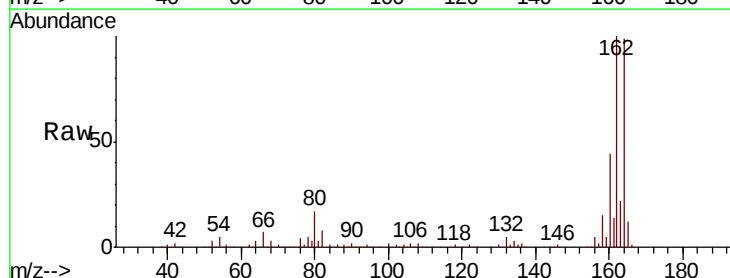
Ion Ratio Lower Upper

165 100

63 1.4 32.6 49.0#

89 1.4 56.1 84.1#

182 0.0 2.1 3.1#

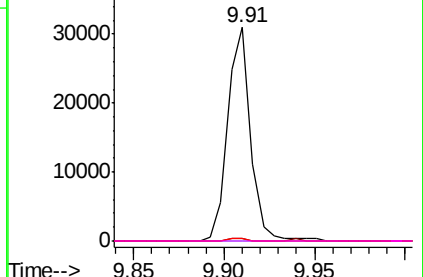
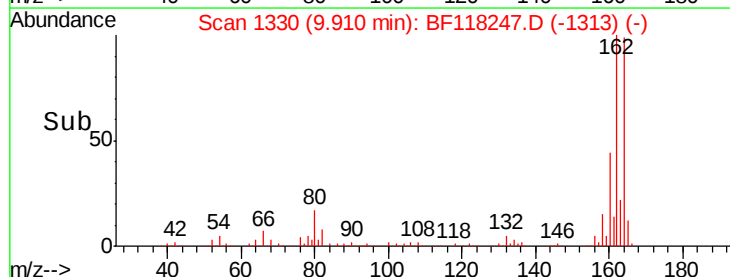


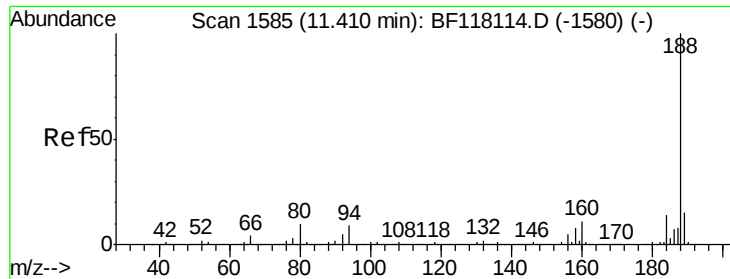
Abundance Ion 165.00 (164.70 to 165.70): E

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

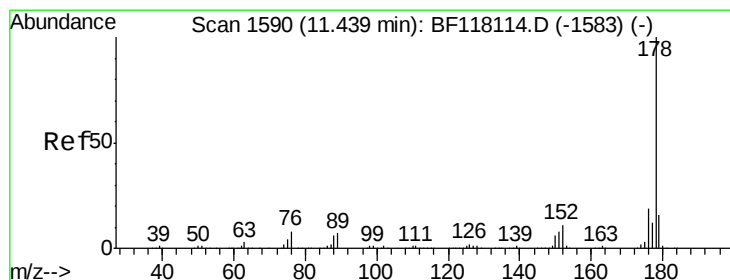
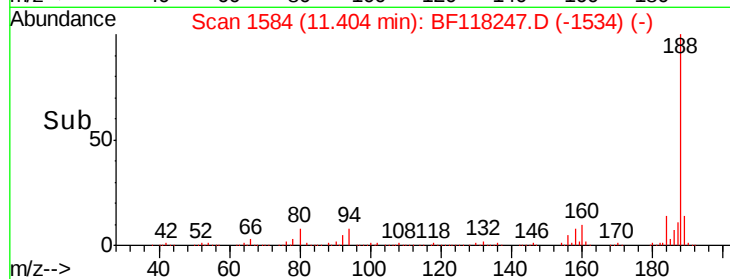
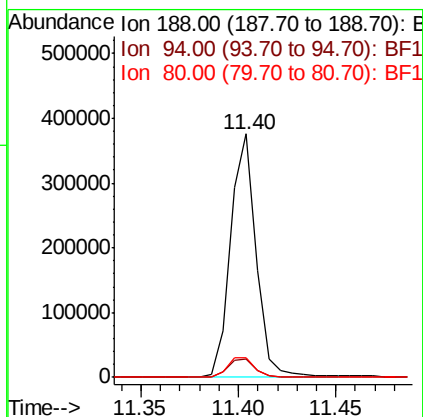
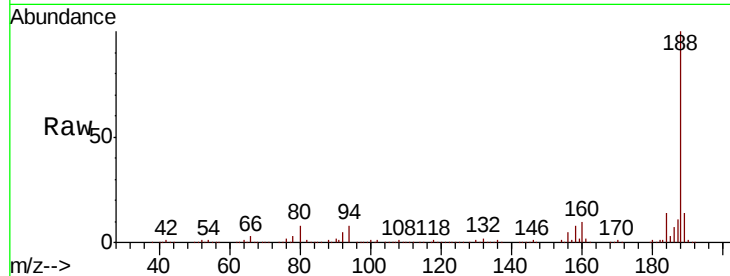




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118247.D
 Acq: 18 Dec 2019 1:00

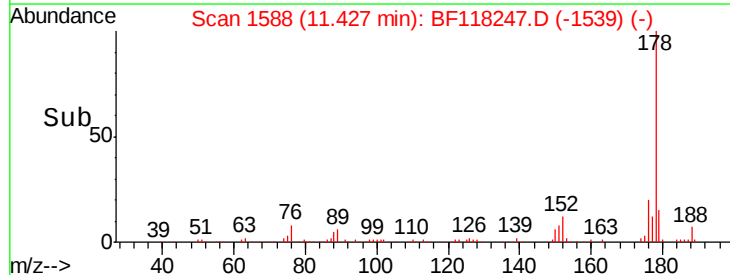
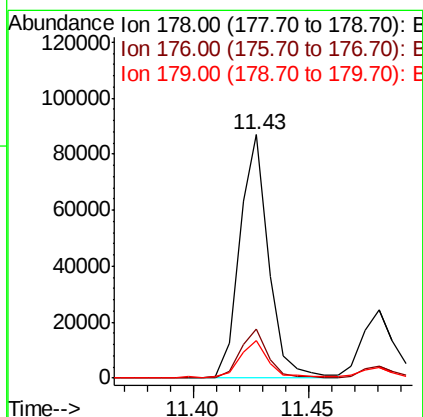
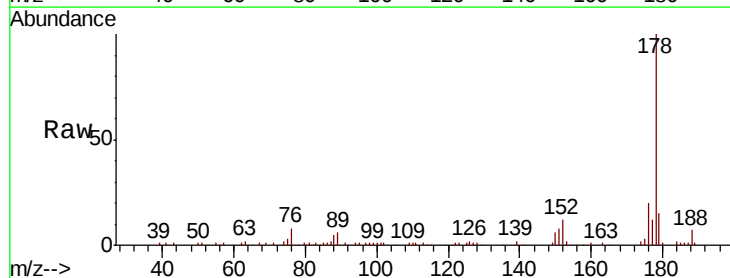
Instrument :
 BNA_F
 ClientSampled :

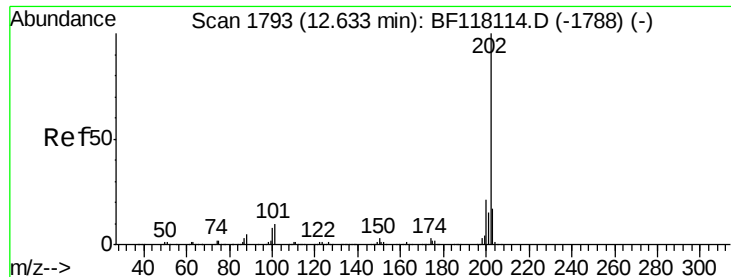
Tot Ion:188 Resp: 341300
 Ion Ratio Lower Upper
 188 100
 94 7.8 7.1 10.7
 80 8.1 7.9 11.9



#71
 Phenanthrene
 Concen: 4.183 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF118247.D
 Acq: 18 Dec 2019 1:00

Tgt Ion:178 Resp: 75892
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.5 23.3
 179 15.4 12.6 18.8





#75

Fluoranthene

Concen: 5.371 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF118247.D

Acq: 18 Dec 2019 1:00

Instrument :

BNA_F

ClientSampleId :

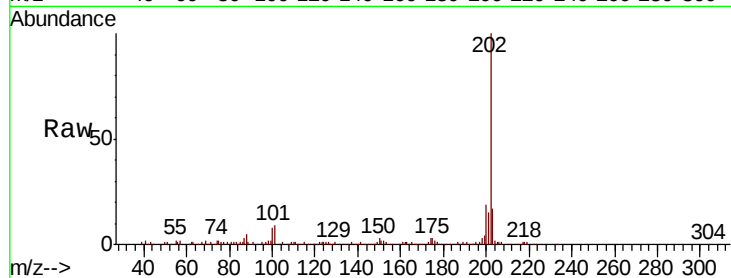
Tot Ion:202 Resp: 99633

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.4

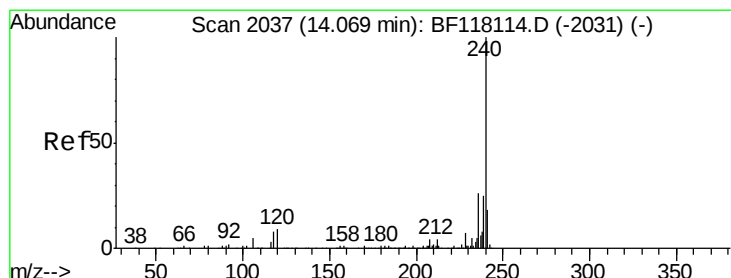
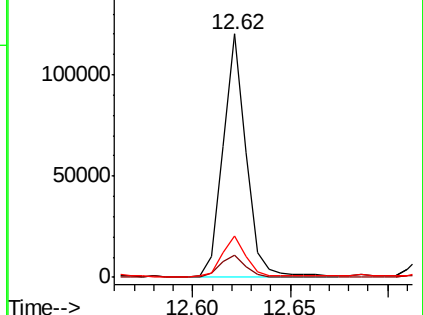
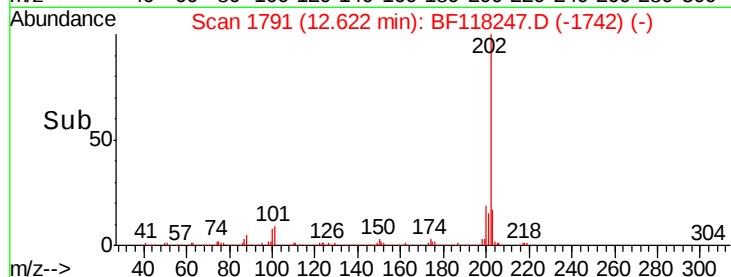
203 17.2 0.0 37.2



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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF118247.D

Acq: 18 Dec 2019 1:00

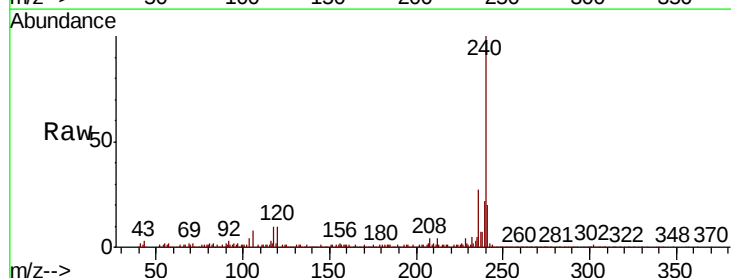
Tgt Ion:240 Resp: 232069

Ion Ratio Lower Upper

240 100

120 10.5 7.1 10.7

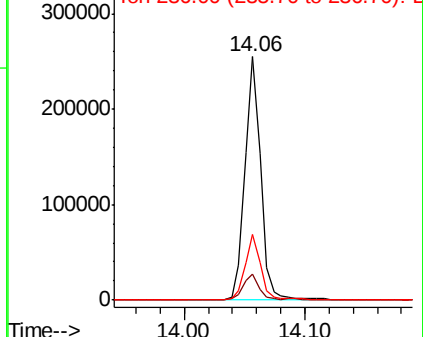
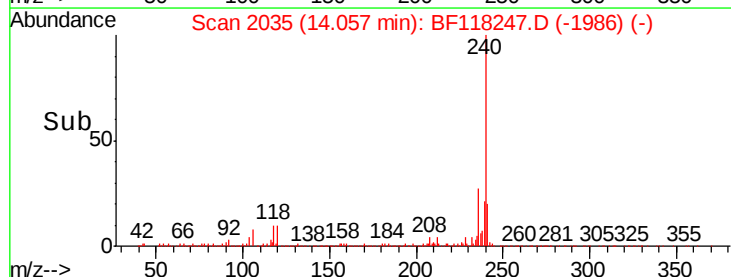
236 26.9 21.0 31.6

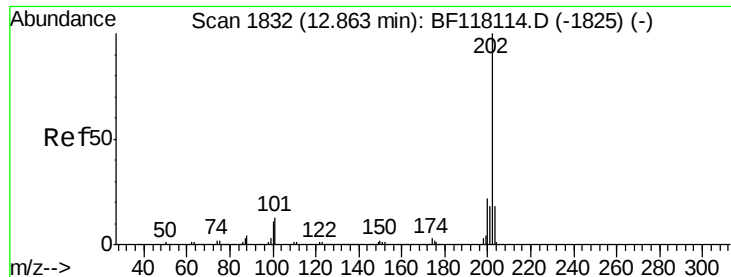


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

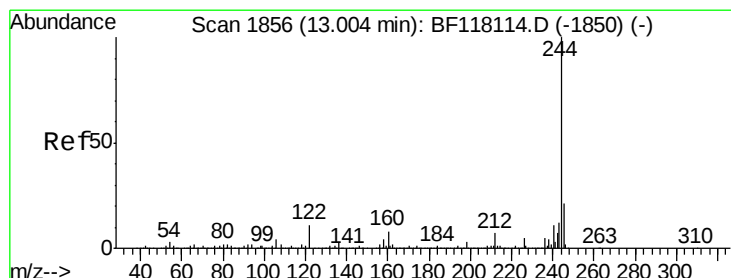
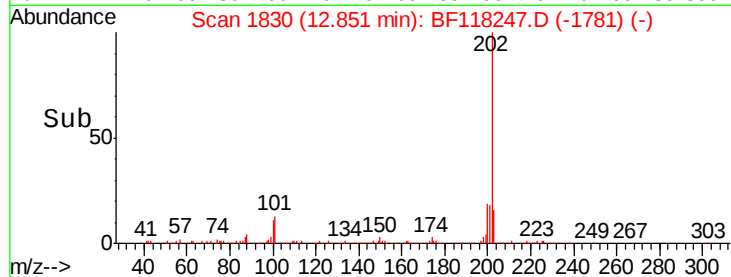
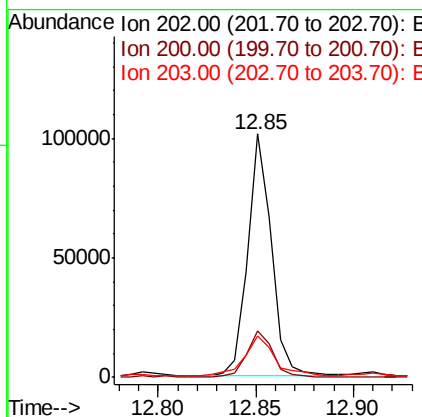
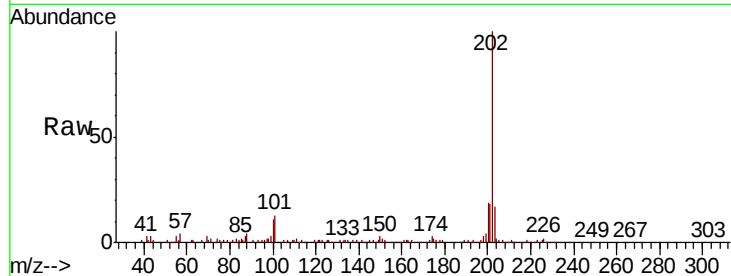




#78
Pvrene
Concen: 4.684 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118247.D
Acq: 18 Dec 2019 1:00

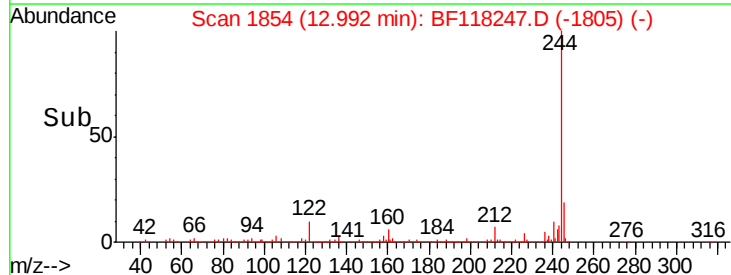
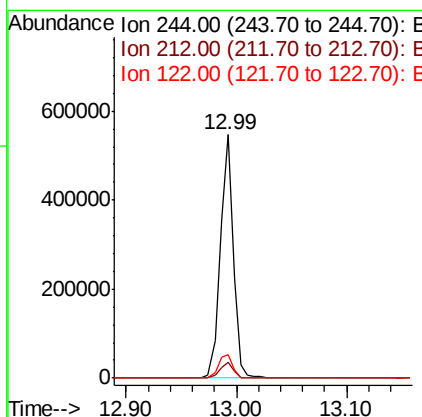
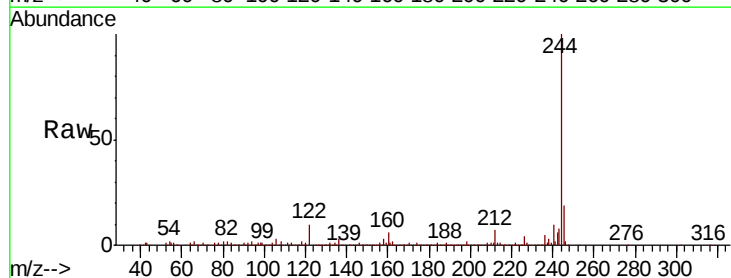
Instrument :
BNA_F
ClientSampleId :

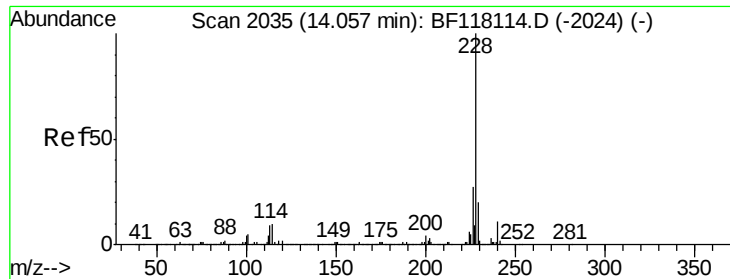
Tot Ion	Ratio	Lower	Upper
202	100		
200	18.9	17.5	26.3
203	16.8	14.6	21.8



#79
Terphenyl-d14
Concen: 33.401 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF118247.D
Acq: 18 Dec 2019 1:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.9	8.9
122	9.6	9.0	13.6

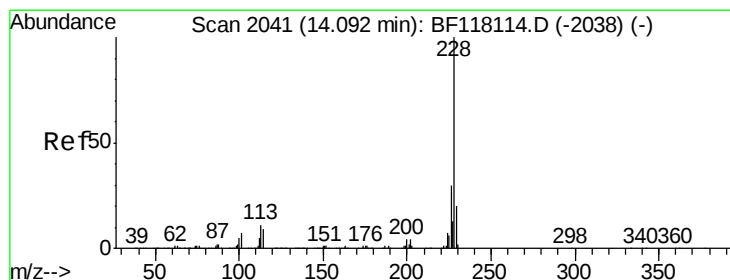
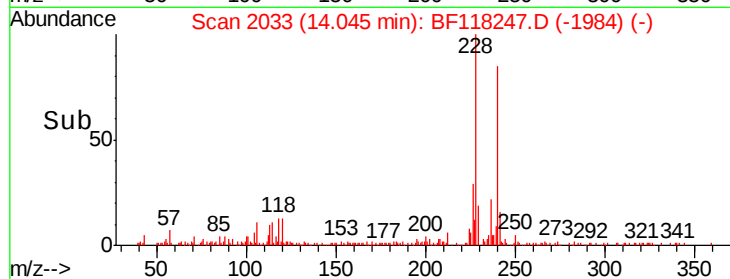
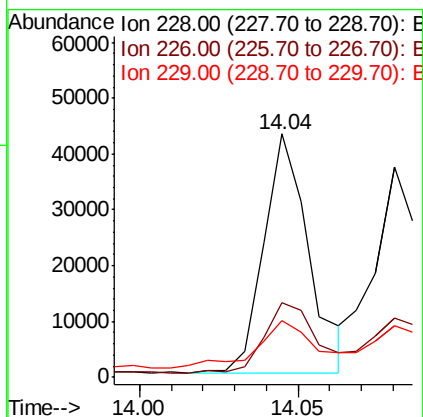
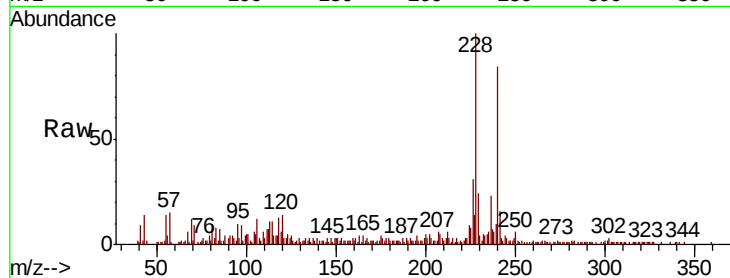




#81
Benzo(a)anthracene
Concen: 2.628 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118247.D
Acq: 18 Dec 2019 1:00

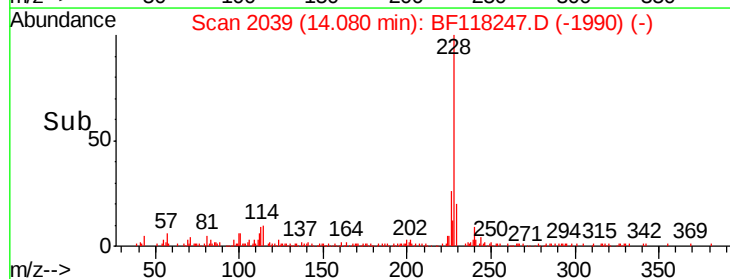
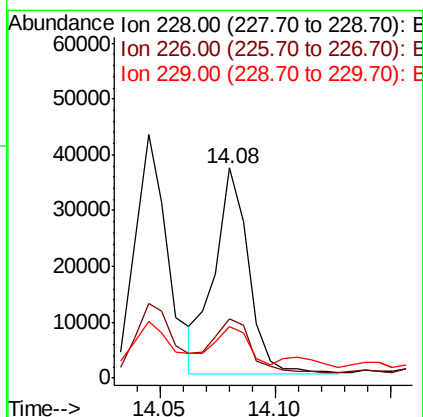
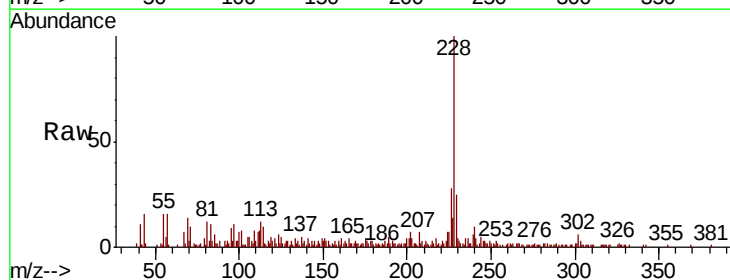
Instrument :
BNA_F
ClientSampleId :

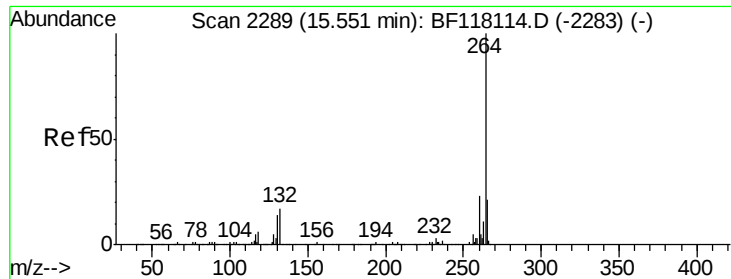
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.8	32.8
229	23.5	15.8	23.8



#83
Chrysene
Concen: 2.457 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF118247.D
Acq: 18 Dec 2019 1:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.8	35.8
229	24.8	15.7	23.5

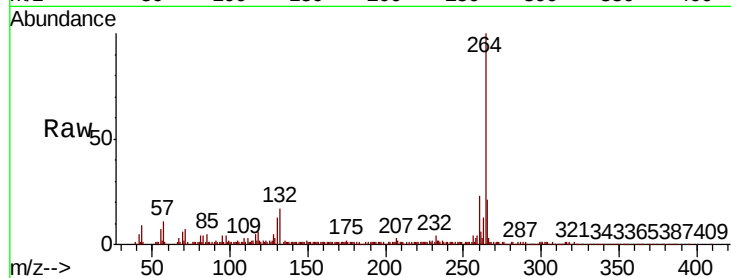




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.00 min
Lab File: BF118247.D
Acq: 18 Dec 2019 1:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	20.5	16.8	25.2

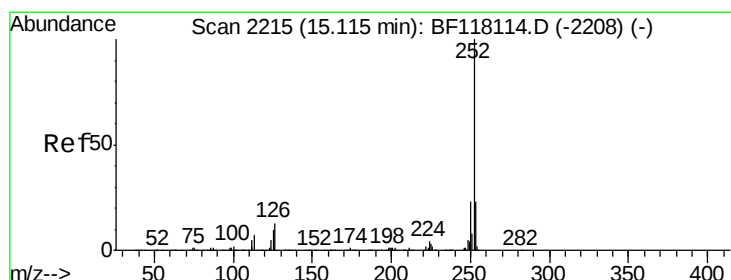
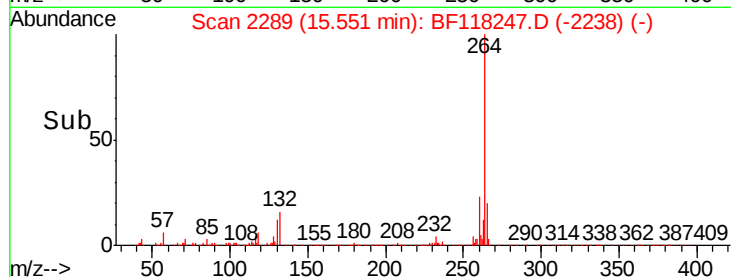
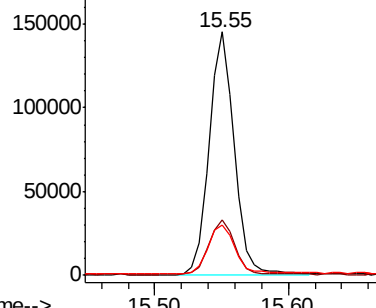


Abundance

Ion 264.00 (263.70 to 264.70): E

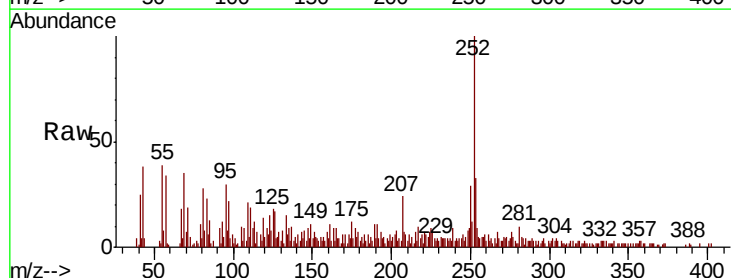
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 3.625 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118247.D
Acq: 18 Dec 2019 1:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.6	18.2	27.4#
125	17.9	8.3	12.5#

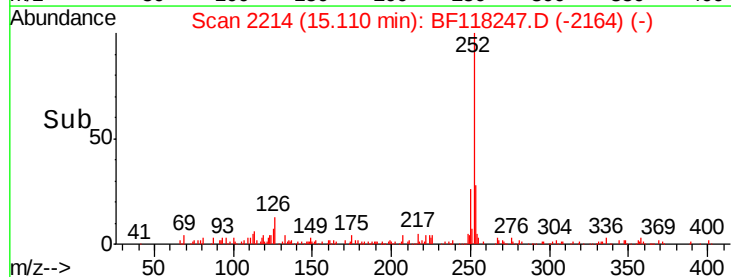
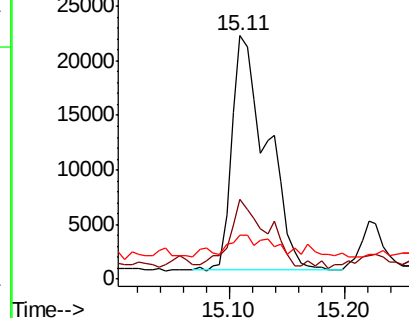


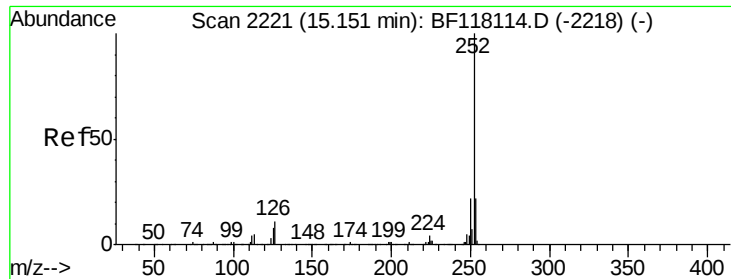
Abundance

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

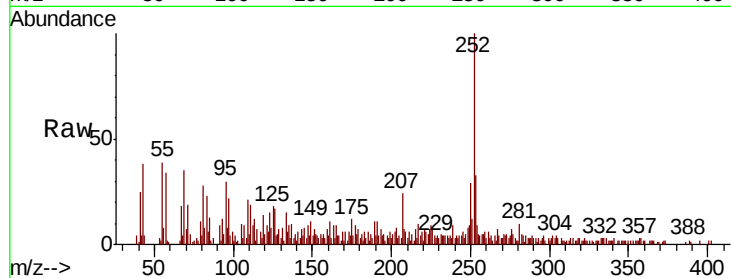




#89
Benzo(k)fluoranthene
Concen: 3.774 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF118247.D
Acq: 18 Dec 2019 1:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.6	17.6	26.4#
125	17.9	6.7	10.1#

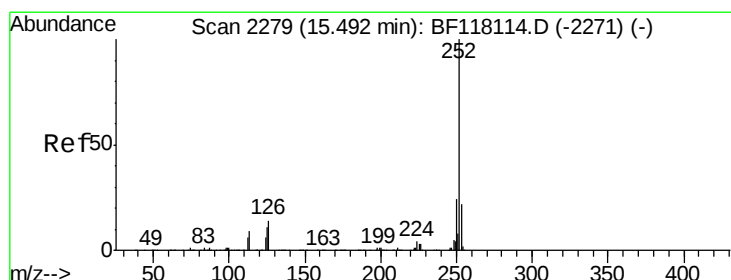
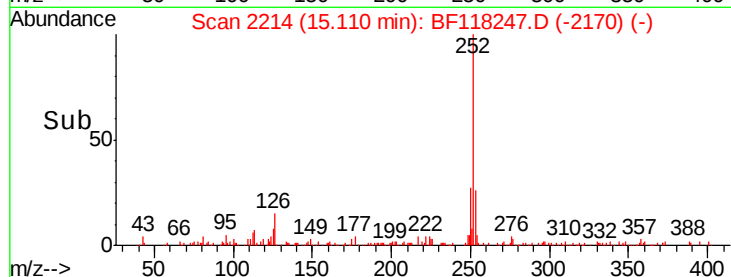
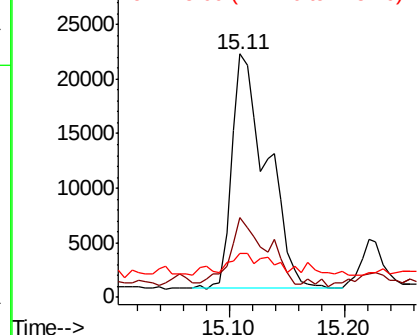


Abundance

Ion 252.00 (251.70 to 252.70): E

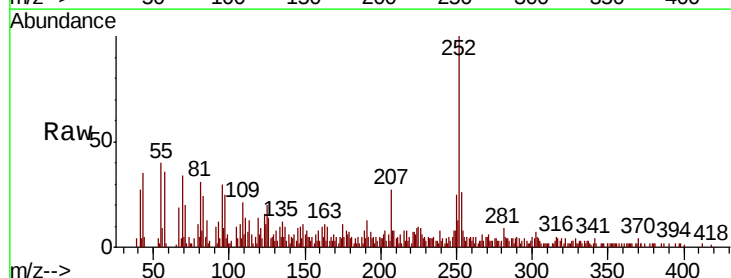
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.208 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF118247.D
Acq: 18 Dec 2019 1:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.5	26.3
125	19.7	9.1	13.7#



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

