

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118614.D
 Acq On : 21 Jan 2020 1:59
 Operator : CG/JU
 Sample : L1004-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

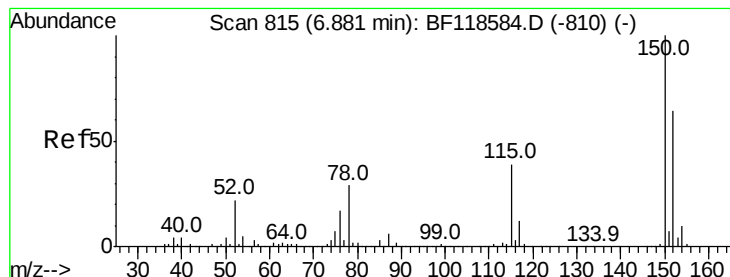
Quant Time: Jan 21 03:17:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	390337	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1256115	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	571932	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	966922	20.00	ng	0.00
76) Chrysene-d12	14.04	240	854798	20.00	ng	0.00
87) Perylene-d12	15.52	264	779602	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	2402068	114.29	ng	0.01
7) Phenol-d6	6.51	99	3013049	110.30	ng	0.00
23) Nitrobenzene-d5	7.44	82	1748795	77.87	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	701243	106.01	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	2889960	83.05	ng	0.00
79) Terphenyl-d14	12.99	244	3172893	80.96	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	244371	13.249	ng	# 78
25) Isophorone	7.44	82	1744896	42.599	ng	# 64
50) Dimethylphthalate	9.63	163	212516	5.703	ng	96
57) 2,4-Dinitrotoluene	9.92	165	75866	7.212	ng	# 26
67) 4-Bromophenyl-phenylether	10.71	248	42918	3.593	ng	# 1
71) Phenanthrene	11.43	178	106049	2.273	ng	92
75) Fluoranthene	12.62	202	239625	4.870	ng	96
78) Pyrene	12.84	202	231537	3.990	ng	93
83) Chrysene	14.03	228	100269	2.035	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.89 min Scan# 816

Delta R.T. 0.01 min

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BNA_F
ClientSampleId :

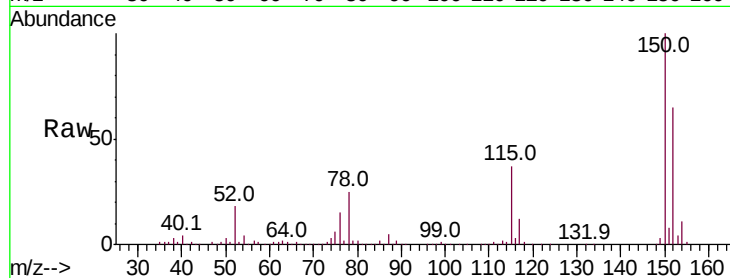
Tot Ion:152 Resp: 390337

Ion Ratio Lower Upper

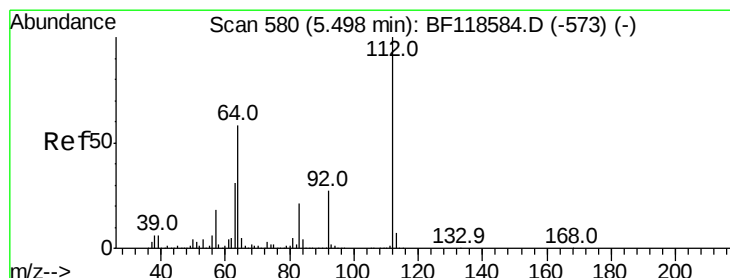
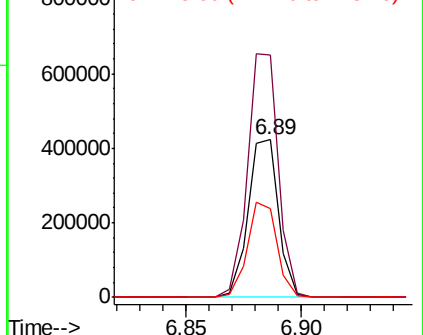
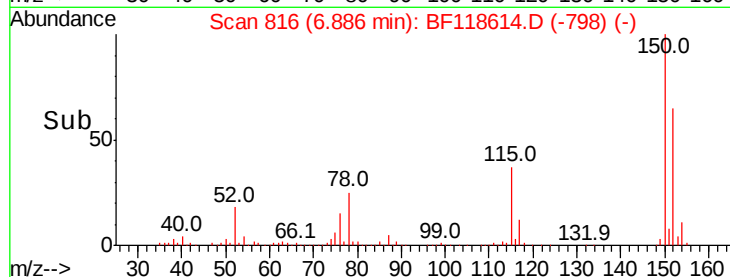
152 100

150 154.1 125.6 188.4

115 56.6 48.4 72.6



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: 114.292 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.01 min

Lab File: BF118614.D

Acq: 21 Jan 2020 1:59

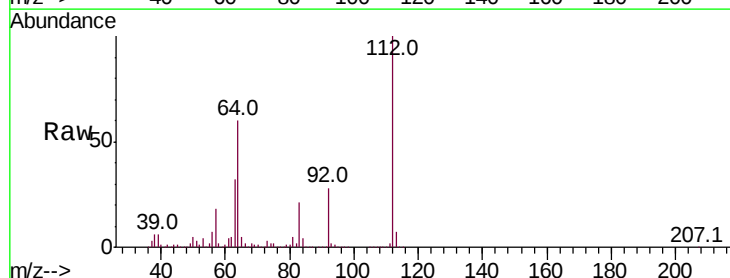
Tgt Ion:112 Resp: 2402068

Ion Ratio Lower Upper

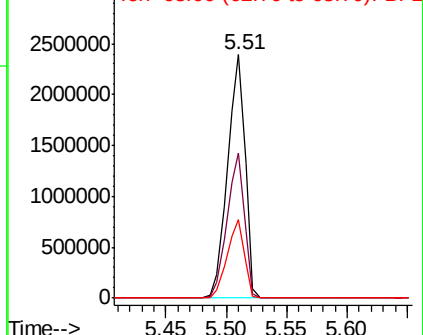
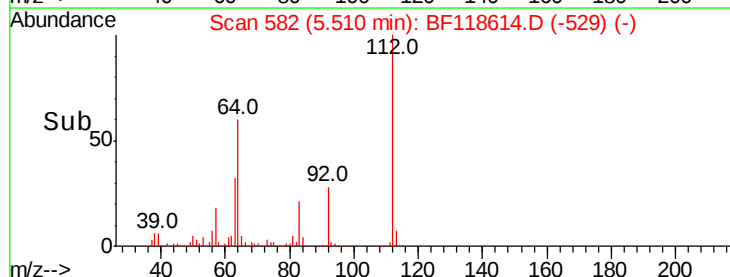
112 100

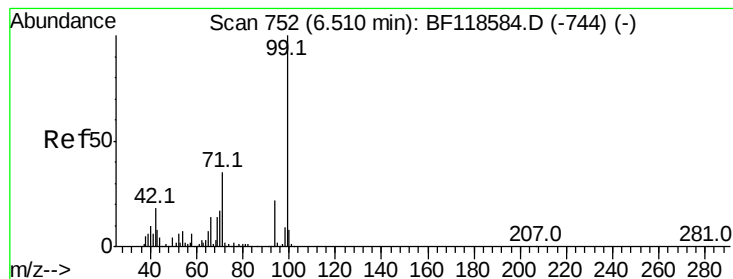
64 59.8 46.6 70.0

63 32.3 25.1 37.7



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: 110.301 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF118614.D

Acq: 21 Jan 2020 1:59

Instrument :

BNA_F

ClientSampleId :

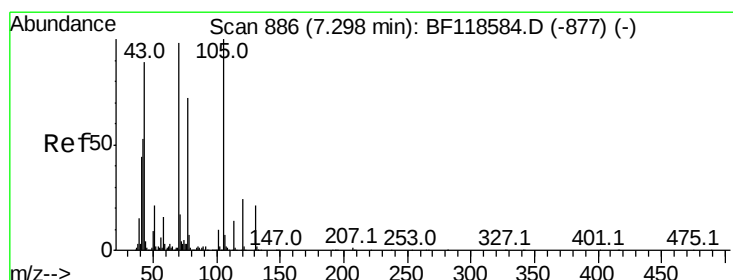
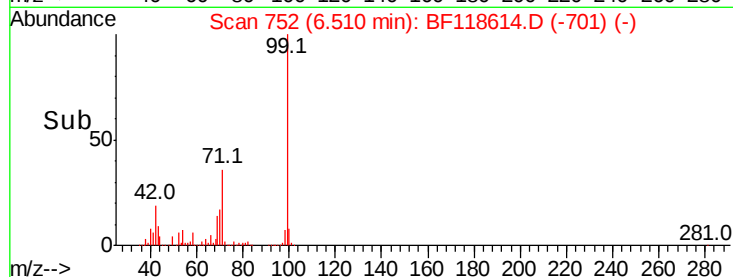
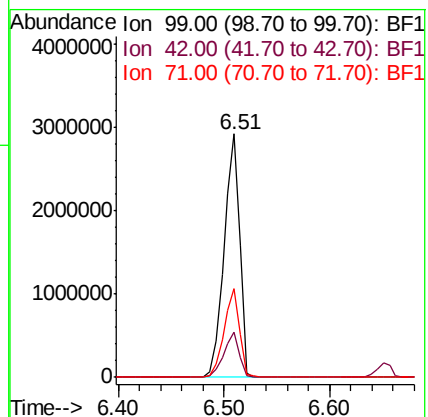
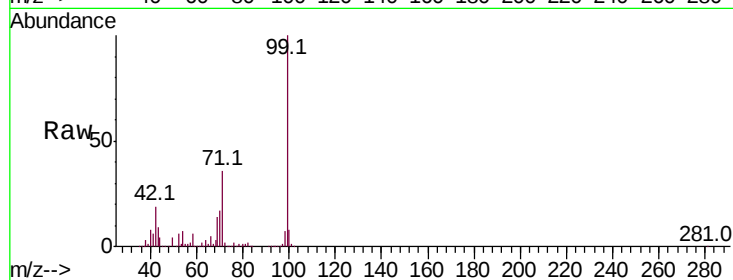
Tot Ion: 99 Resp: 3013049

Ion Ratio Lower Upper

99 100

42 18.7 14.2 21.2

71 36.4 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.249 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF118614.D

Acq: 21 Jan 2020 1:59

Tgt Ion: 70 Resp: 244371

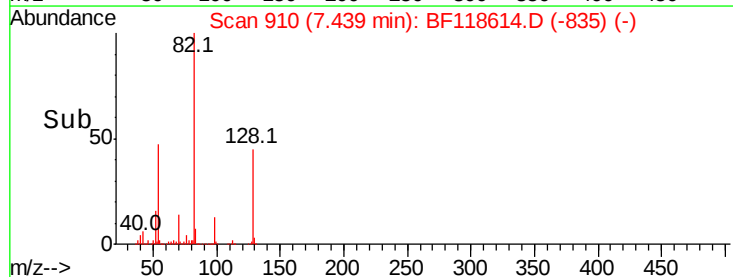
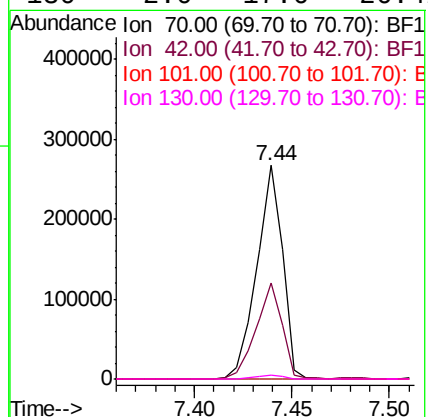
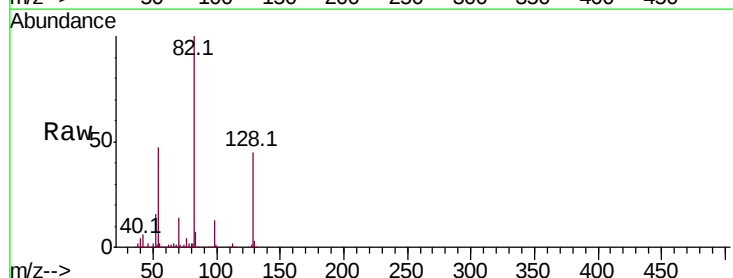
Ion Ratio Lower Upper

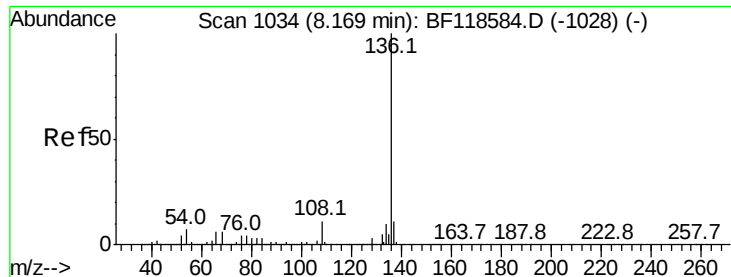
70 100

42 45.0 43.4 65.0

101 0.0 8.1 12.1#

130 2.0 17.6 26.4#

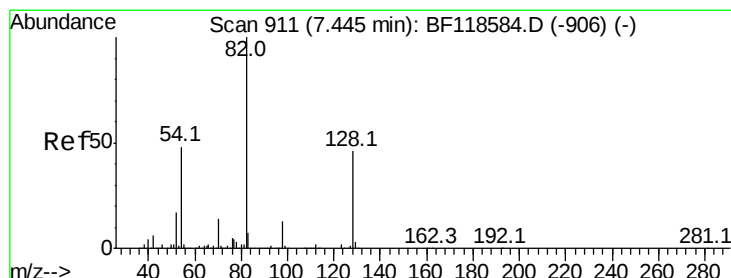
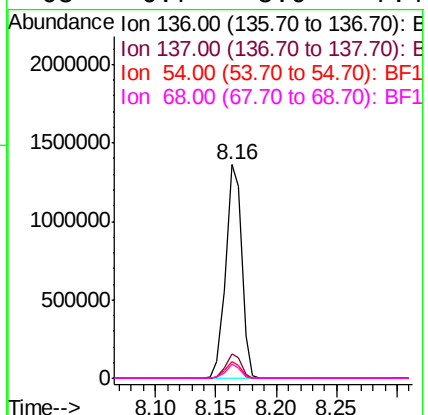
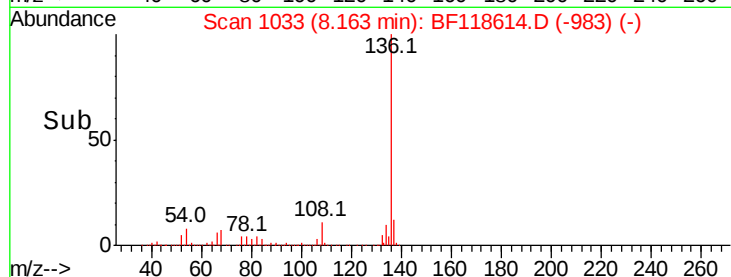
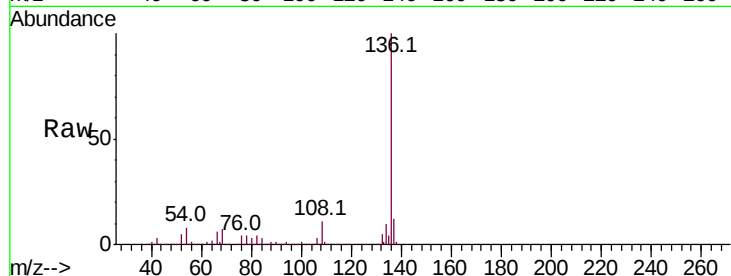




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118614.D
Acq: 21 Jan 2020 1:59

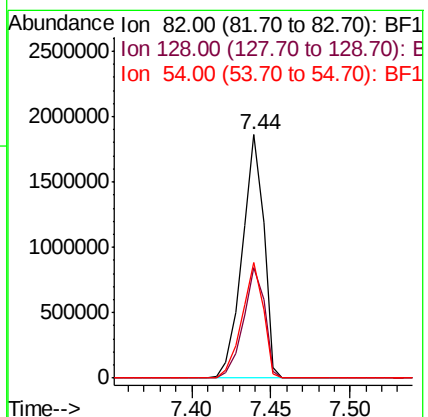
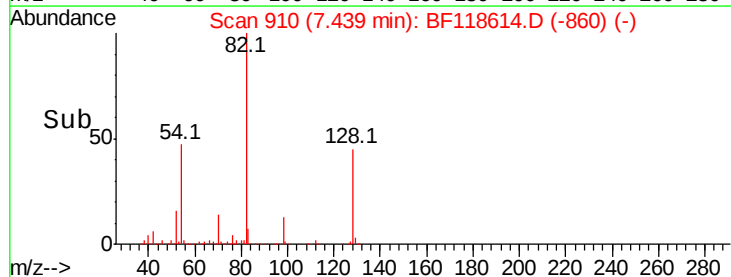
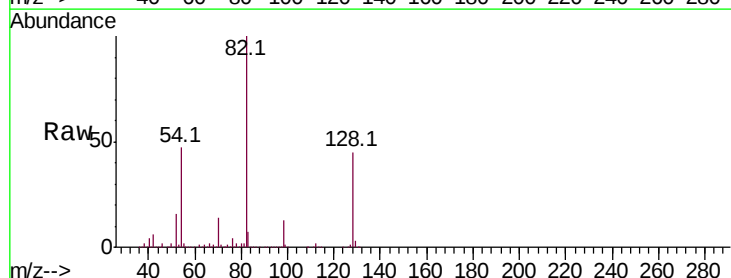
Instrument :
BNA_F
ClientSampleId :

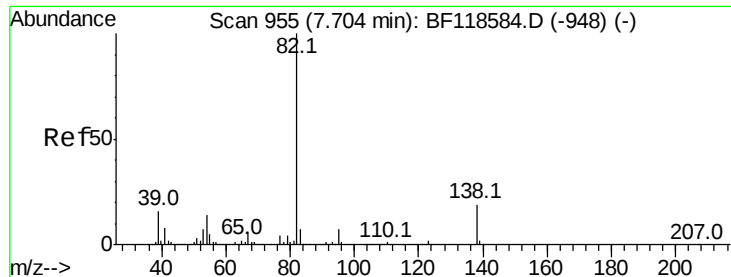
Tot Ion:136 Resp: 1256115
Ion Ratio Lower Upper
136 100
137 11.7 9.1 13.7
54 8.0 5.8 8.6
68 6.7 5.0 7.4



#23
Nitrobenzene-d5
Concen: 77.873 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118614.D
Acq: 21 Jan 2020 1:59

Tgt Ion: 82 Resp: 1748795
Ion Ratio Lower Upper
82 100
128 45.5 36.6 54.8
54 47.3 38.0 57.0





#25

Isophorone

Concen: 42.599 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118614.D

Acq: 21 Jan 2020 1:59

Instrument :

BNA_F

ClientSampled :

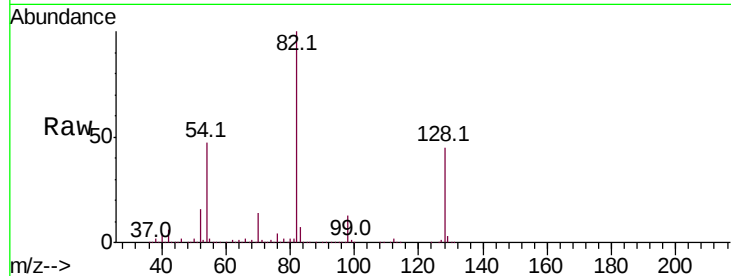
Tot Ion: 82 Resp: 1744896

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

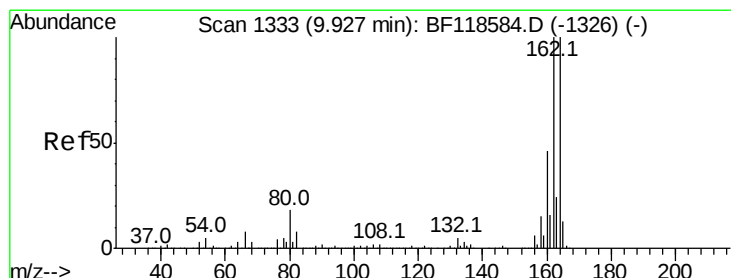
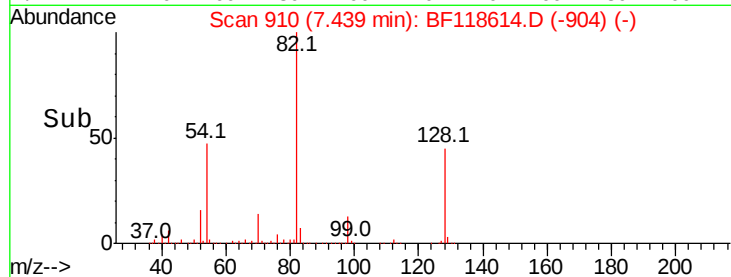
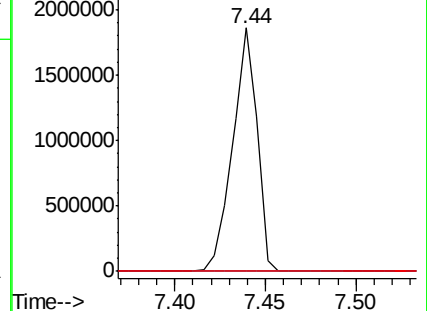
138 0.0 15.3 22.9#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF118614.D

Acq: 21 Jan 2020 1:59

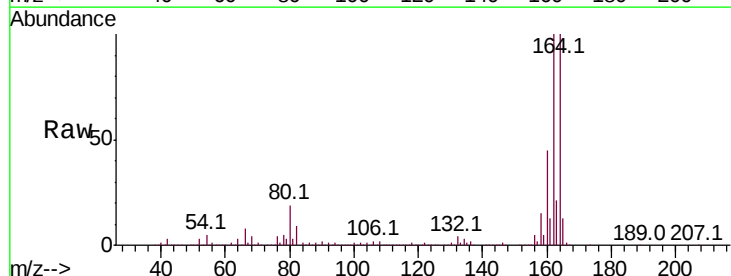
Tgt Ion:164 Resp: 571932

Ion Ratio Lower Upper

164 100

162 100.2 80.4 120.6

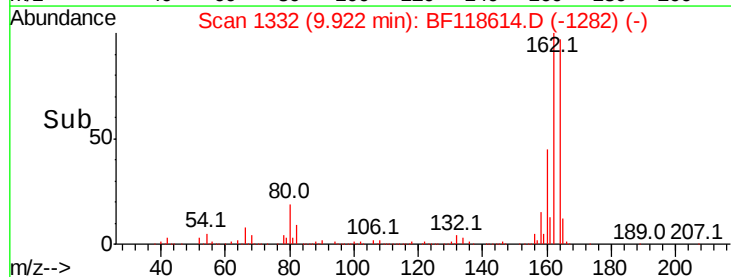
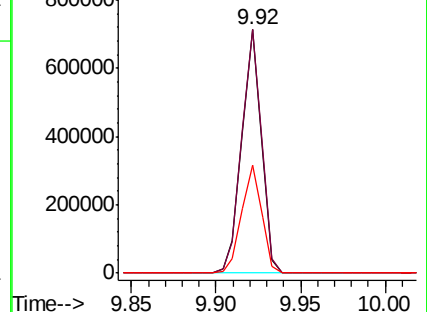
160 44.6 36.6 55.0

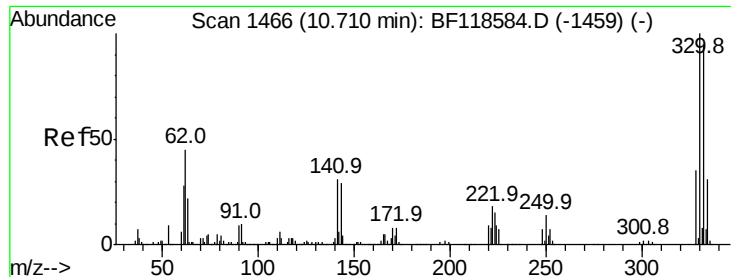


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

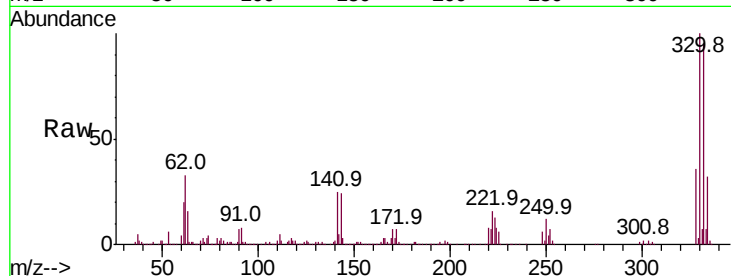




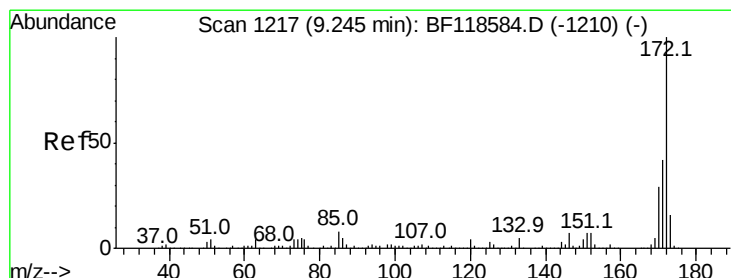
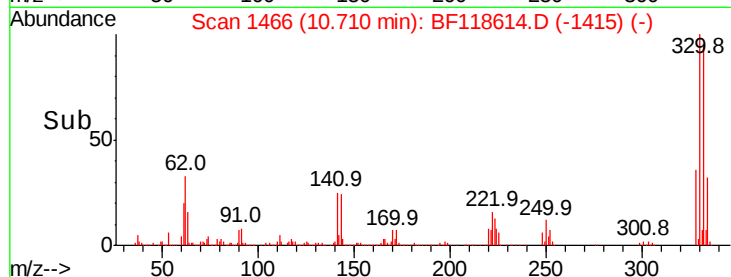
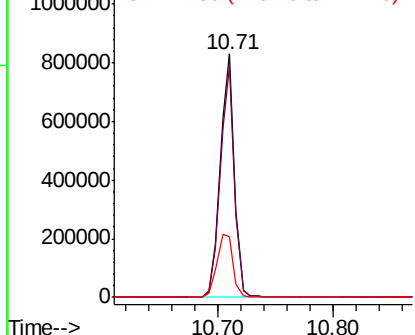
#42
 2,4,6-Tribromophenol
 Concen: 106.006 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF118614.D
 Acq: 21 Jan 2020 1:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 701243
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.2 114.4
 141 29.3 23.9 35.9

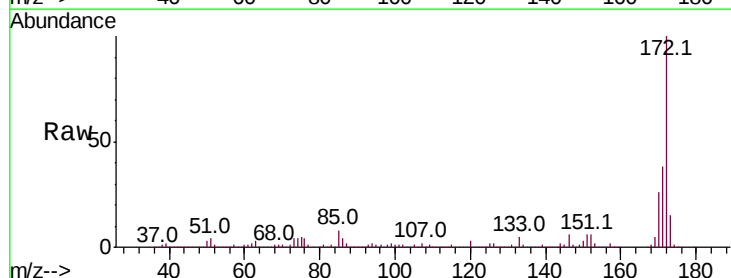


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

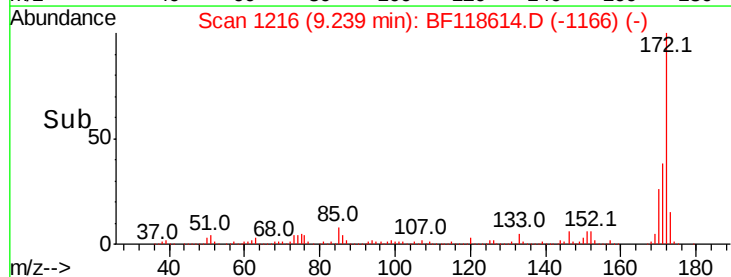
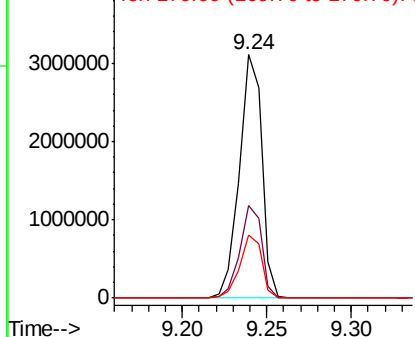


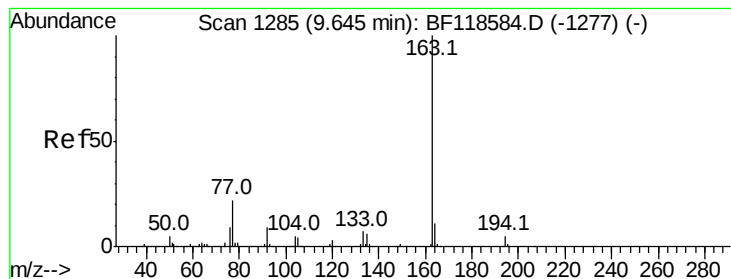
#45
 2-Fluorobiphenyl
 Concen: 83.052 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118614.D
 Acq: 21 Jan 2020 1:59

Tgt Ion:172 Resp: 2889960
 Ion Ratio Lower Upper
 172 100
 171 38.2 33.4 50.2
 170 26.0 23.2 34.8



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: 5.703 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF118614.D

Acq: 21 Jan 2020 1:59

Instrument :

BNA_F

ClientSampleId :

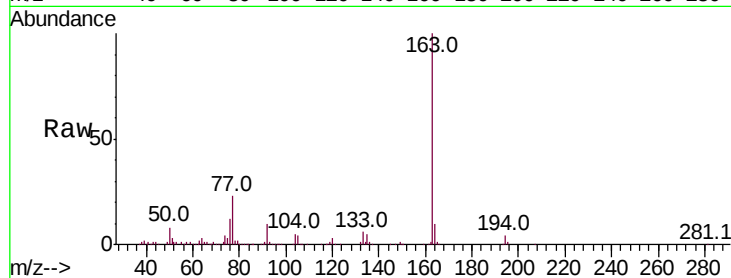
Tot Ion:163 Resp: 212516

Ion Ratio Lower Upper

163 100

194 4.0 3.9 5.9

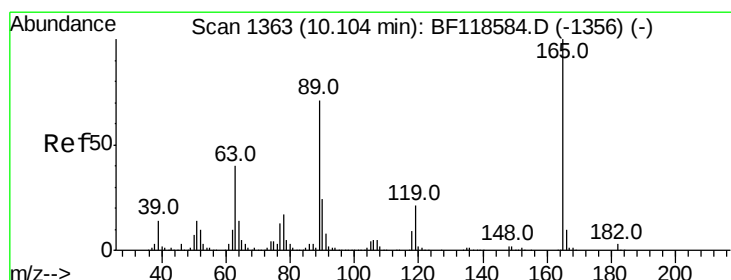
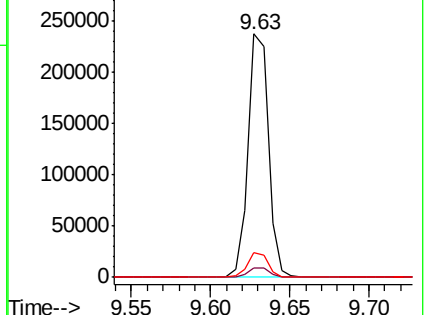
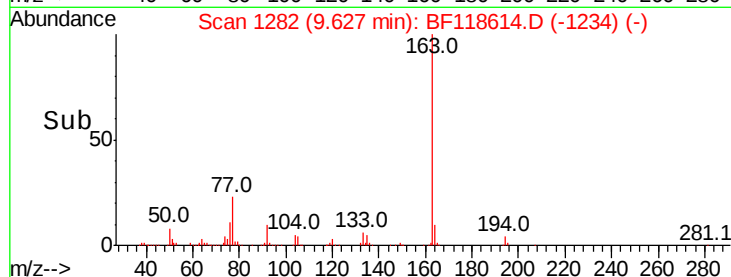
164 9.9 9.1 13.7



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



#57

2,4-Dinitrotoluene

Concen: 7.212 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.18 min

Lab File: BF118614.D

Acq: 21 Jan 2020 1:59

Tgt Ion:165 Resp: 75866

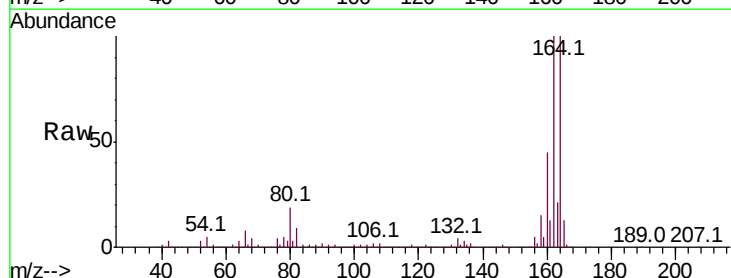
Ion Ratio Lower Upper

165 100

63 1.5 32.4 48.6#

89 1.5 56.4 84.6#

182 0.0 2.3 3.5#

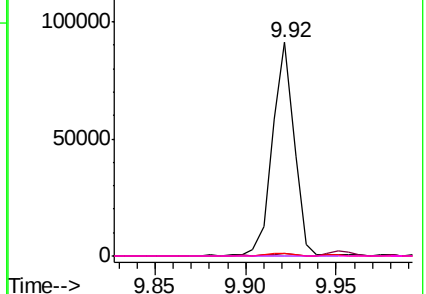
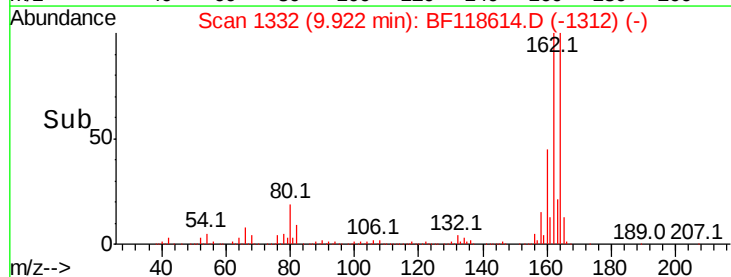


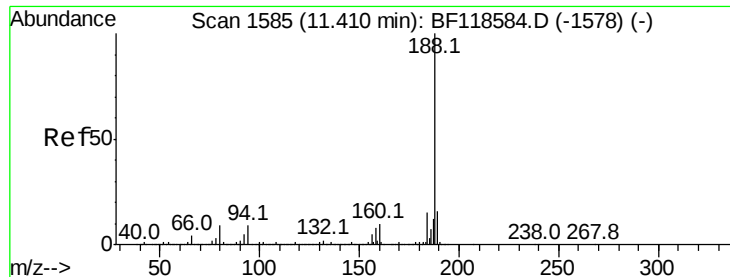
Abundance Ion 165.00 (164.70 to 165.70): E

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

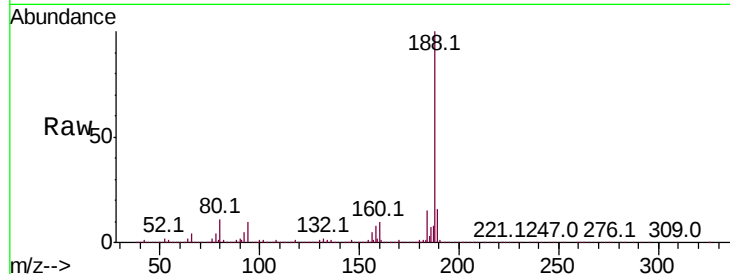




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118614.D
 Acq: 21 Jan 2020 1:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.1	10.7
80	11.1	7.5	11.3

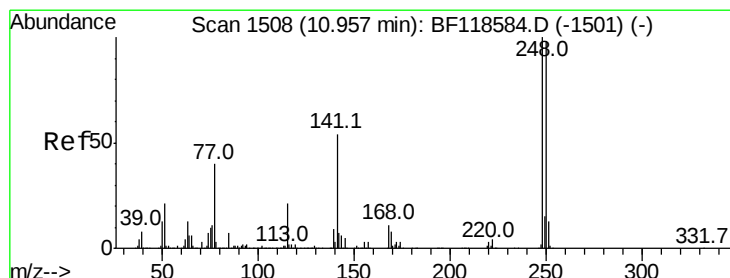
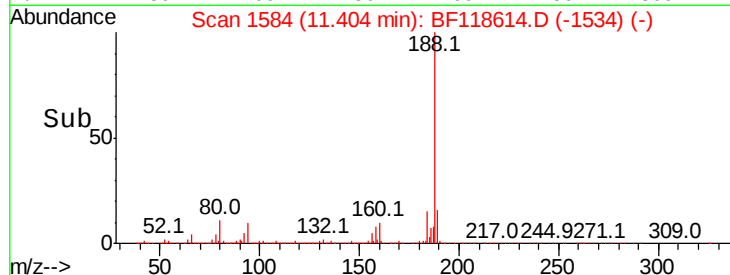
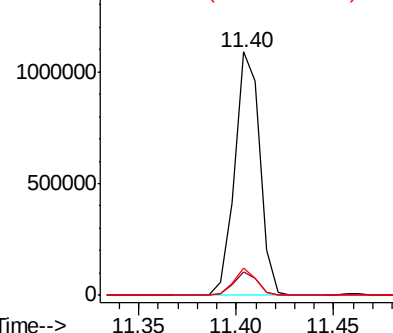


Abundance

Ion 188.00 (187.70 to 188.70): E

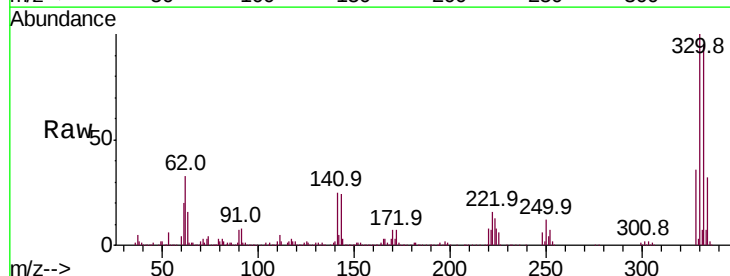
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67
 4-Bromophenyl-phenylether
 Concen: 3.593 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF118614.D
 Acq: 21 Jan 2020 1:59

Tgt Ion	Ratio	Lower	Upper
248	100		
250	199.6	78.7	118.1#
141	412.8	43.2	64.8#

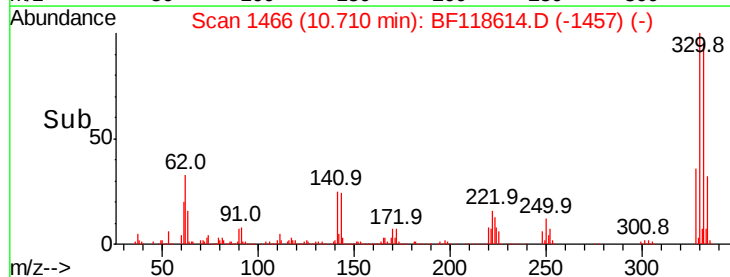
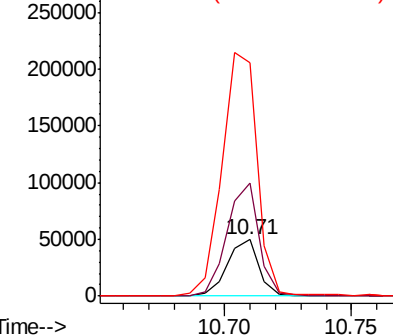


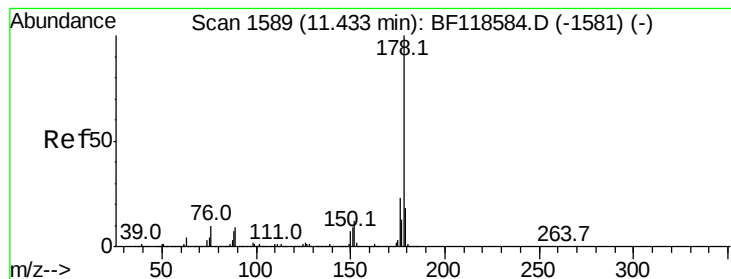
Abundance

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





#71

Phenanthrene

Concen: 2.273 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF118614.D

Acq: 21 Jan 2020 1:59

Instrument :

BNA_F

ClientSampleId :

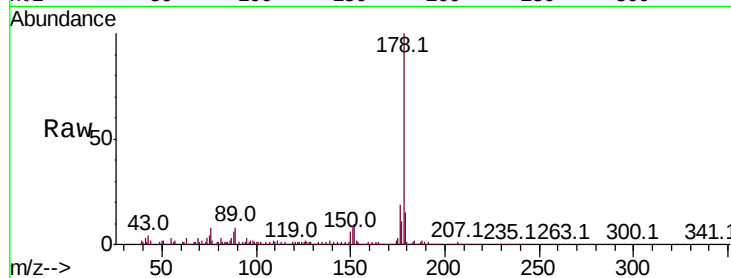
Tot Ion:178 Resp: 106049

Ion Ratio Lower Upper

178 100

176 19.2 18.6 27.8

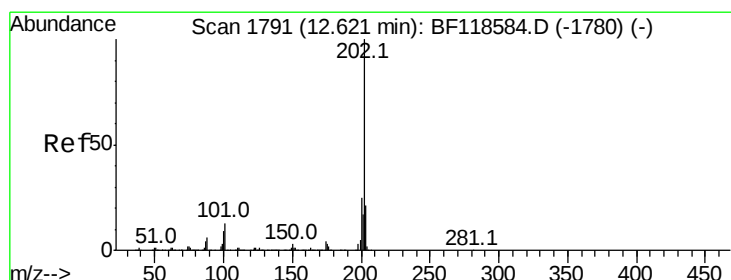
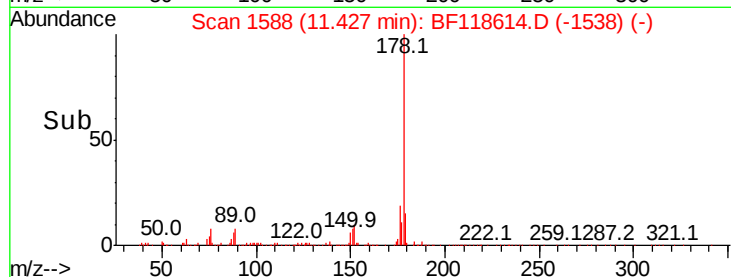
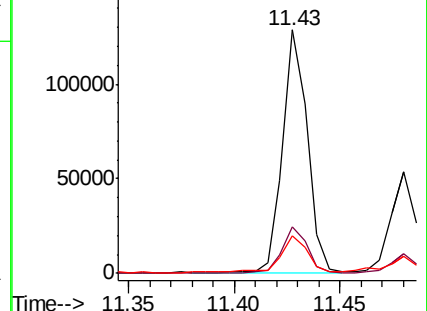
179 15.3 14.7 22.1



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: 4.870 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF118614.D

Acq: 21 Jan 2020 1:59

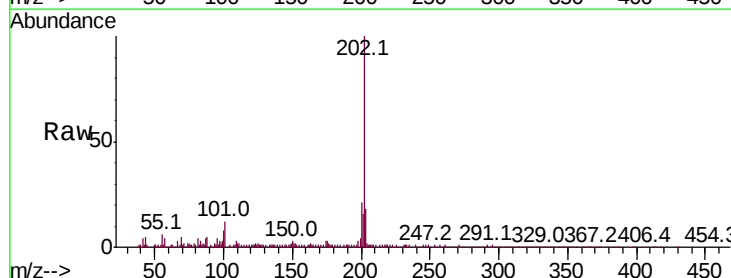
Tgt Ion:202 Resp: 239625

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.5

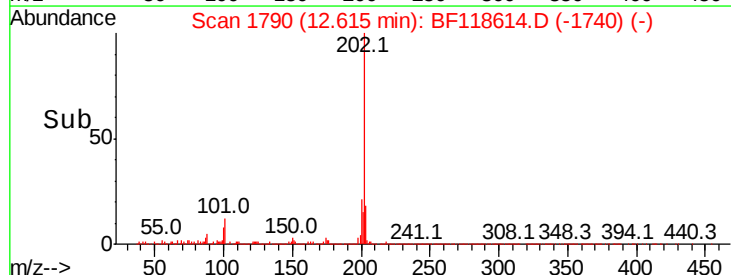
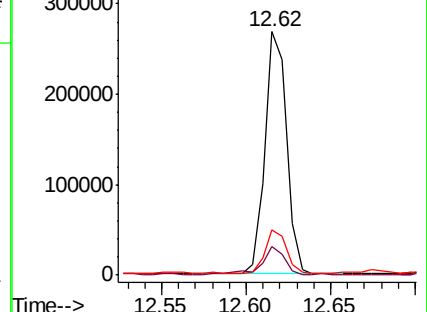
203 18.4 0.8 40.8

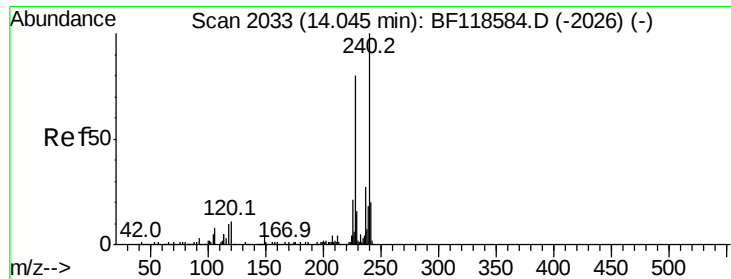


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

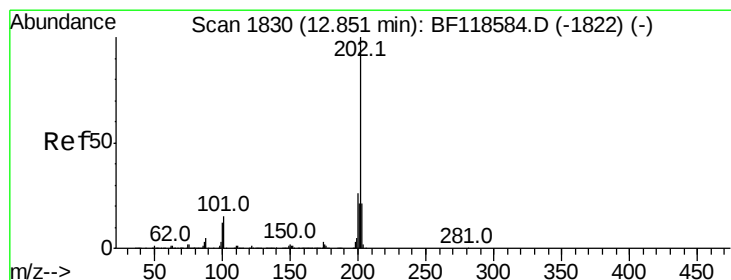
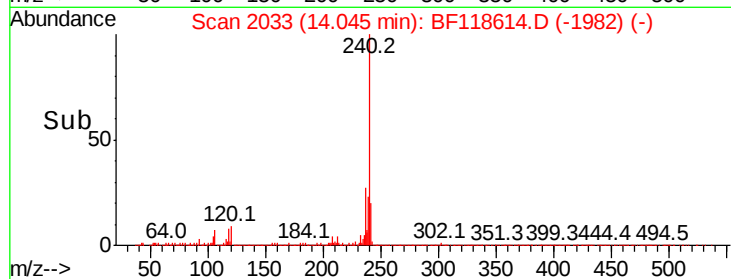
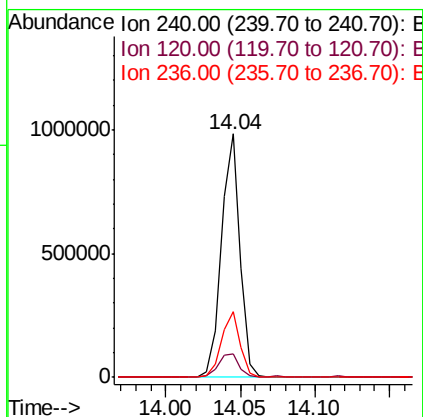
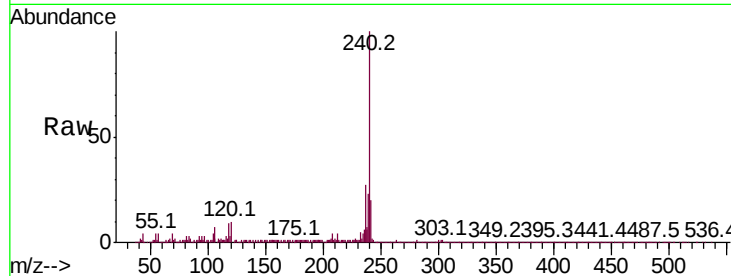




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF118614.D
Acq: 21 Jan 2020 1:59

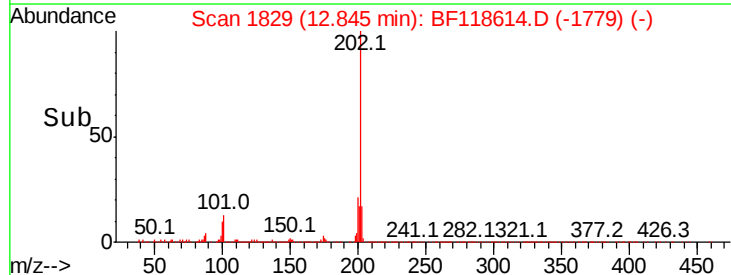
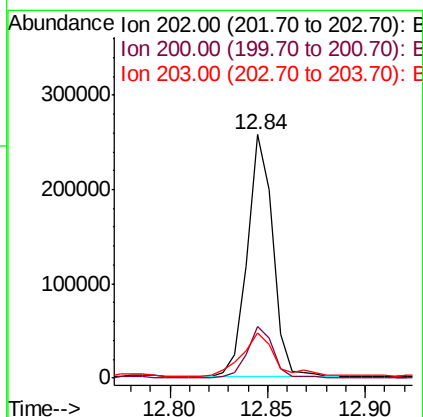
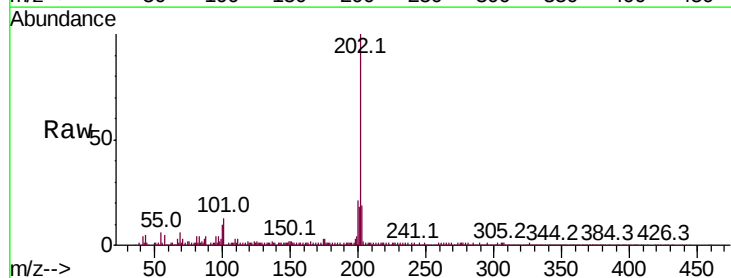
Instrument :
BNA_F
ClientSampled :

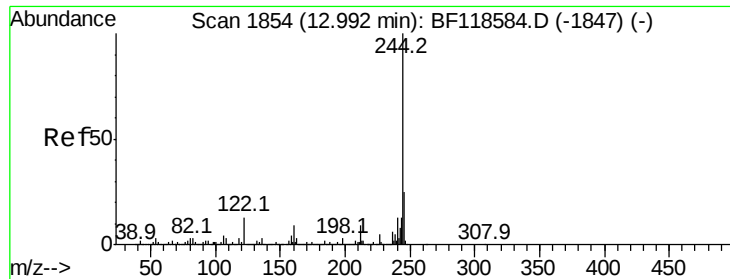
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.9	13.3
236	27.0	21.5	32.3



#78
Pyrene
Concen: 3.990 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF118614.D
Acq: 21 Jan 2020 1:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	20.6	31.0
203	18.5	16.8	25.2





#79

Terphenyl-d14

Concen: 80.959 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF118614.D

Acq: 21 Jan 2020 1:59

Instrument :

BNA_F

ClientSampleId :

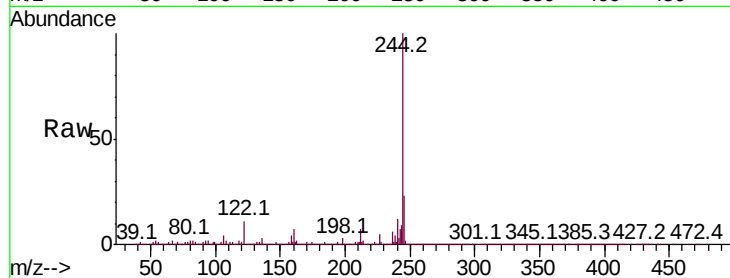
Tot Ion:244 Resp: 3172893

Ion Ratio Lower Upper

244 100

212 7.5 7.0 10.4

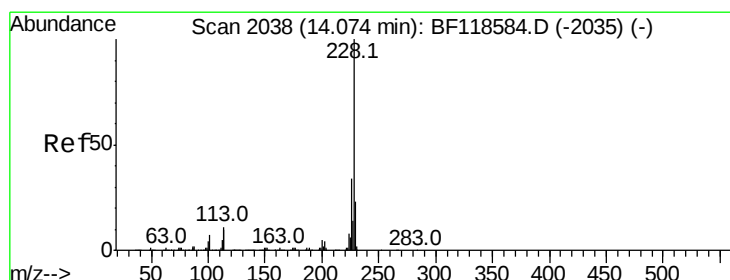
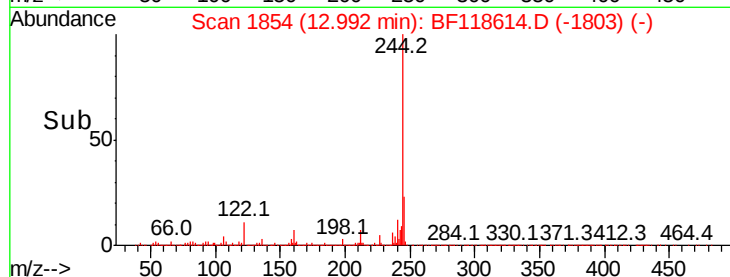
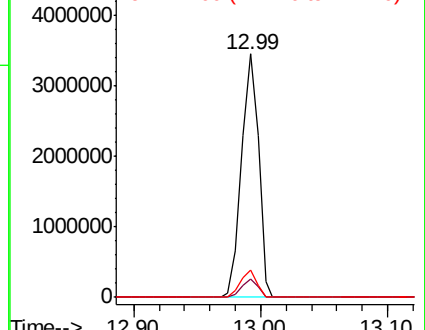
122 11.4 10.7 16.1



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



#83

Chrysene

Concen: 2.035 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.04 min

Lab File: BF118614.D

Acq: 21 Jan 2020 1:59

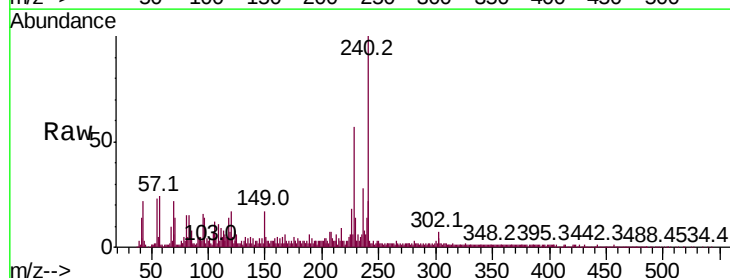
Tgt Ion:228 Resp: 100269

Ion Ratio Lower Upper

228 100

226 31.4 27.4 41.0

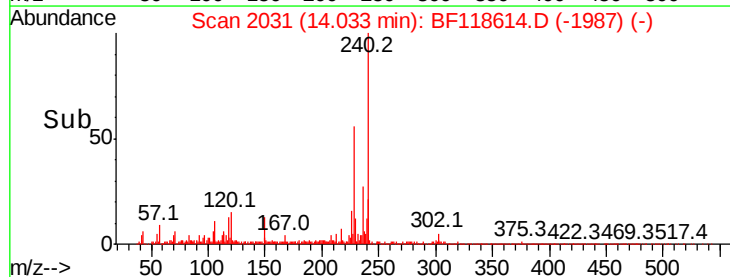
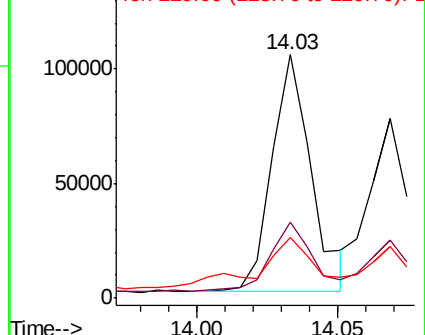
229 24.8 18.3 27.5

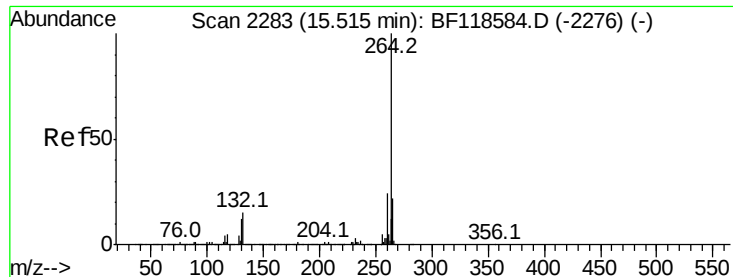


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

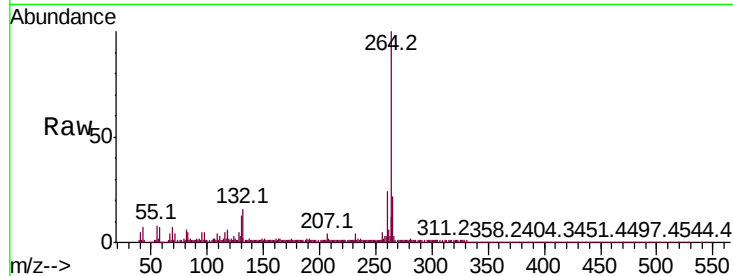




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF118614.D
Acq: 21 Jan 2020 1:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	22.0	17.7	26.5



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

