

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118208.D
 Acq On : 16 Dec 2019 20:43
 Operator : JU
 Sample : K6112-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 17 01:07:36 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

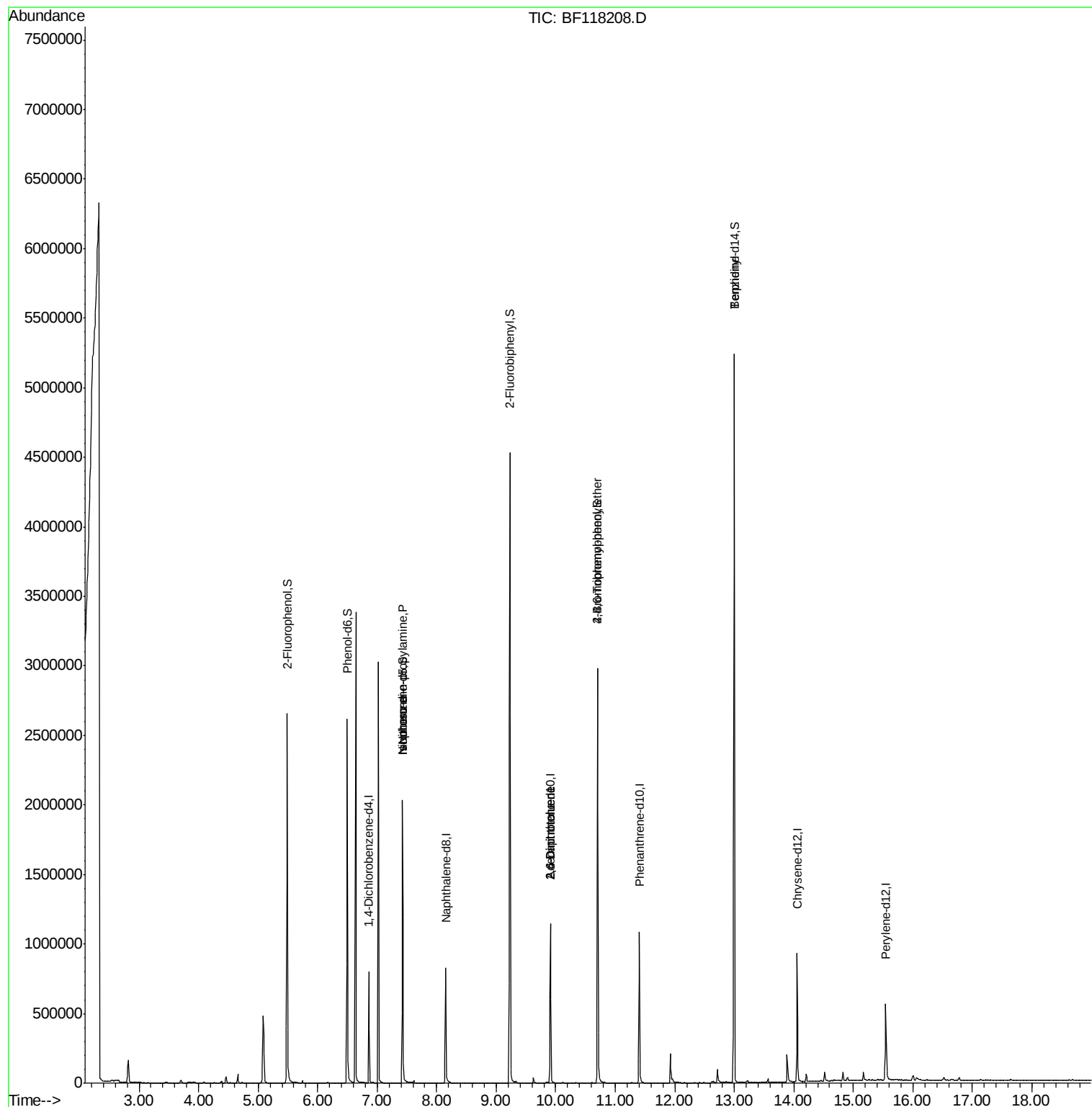
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	107686	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	420068	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	221623	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	423832	20.00	ng	0.00
76) Chrysene-d12	14.06	240	311005	20.00	ng	-0.01
87) Perylene-d12	15.54	264	287262	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	795690	129.42	ng	0.00
7) Phenol-d6	6.50	99	870415	117.04	ng	0.00
23) Nitrobenzene-d5	7.43	82	663976	88.92	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	394929	146.69	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1363650	93.63	ng	-0.01
79) Terphenyl-d14	13.00	244	1762391	97.45	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1240	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	91573	20.265 ng	#	78
25) Isophorone	7.43	82	658262	52.004 ng	#	62
51) 2,6-Dinitrotoluene	9.91	165	28394	7.977 ng	#	26
57) 2,4-Dinitrotoluene	9.91	165	28394	5.976 ng	#	25
67) 4-Bromophenyl-phenylether	10.70	248	23537	4.865 ng	#	1
77) Benizidine	13.00	184	24410	2.981 ng	#	96

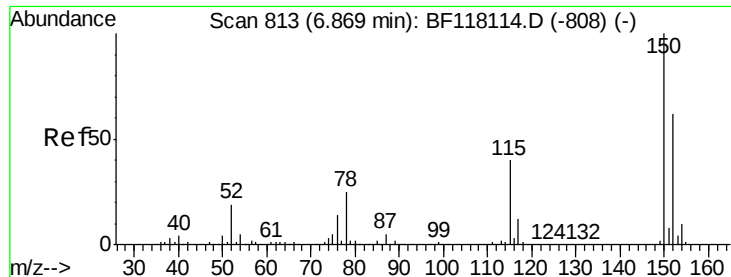
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



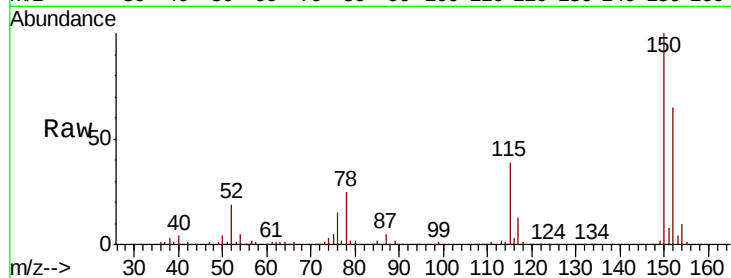


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118208.D
Acq: 16 Dec 2019 20:43

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	128.3	192.5
115	61.1	51.1	76.7

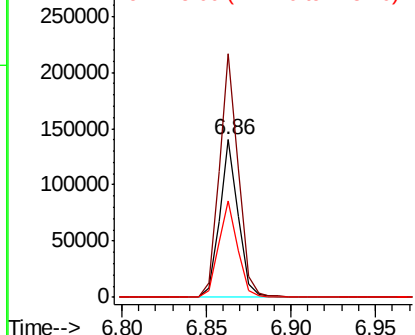
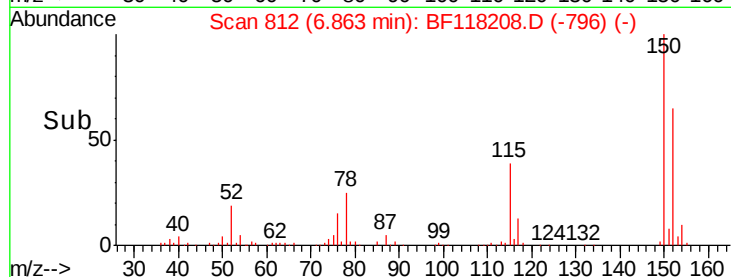


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

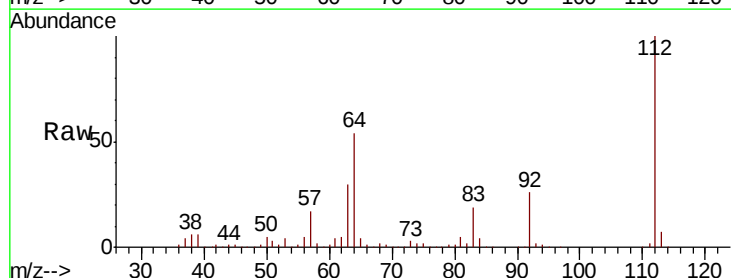
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 129.415 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118208.D
Acq: 16 Dec 2019 20:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	41.3	61.9
63	29.8	22.4	33.6

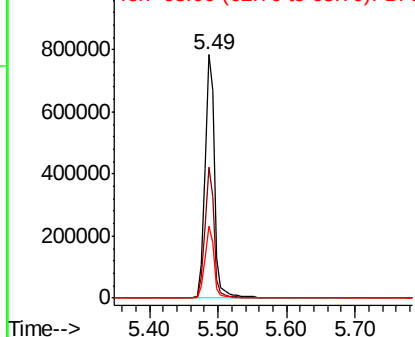
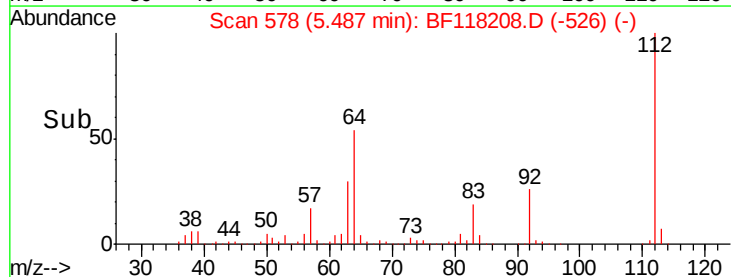


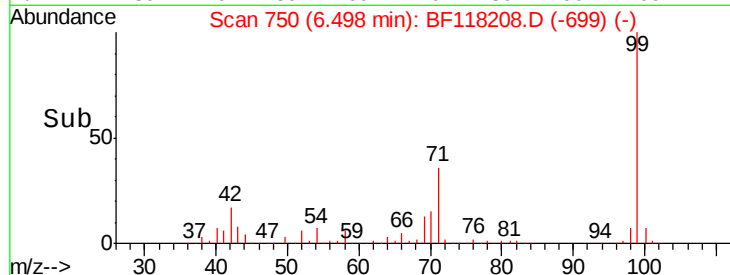
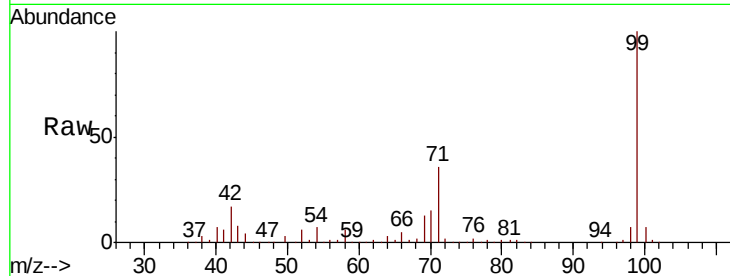
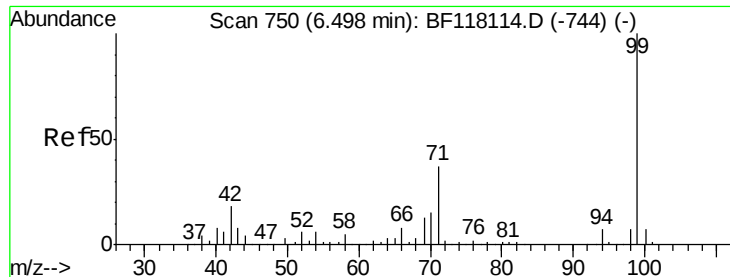
Abundance

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: 117.045 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF118208.D

Acq: 16 Dec 2019 20:43

Instrument :

BNA_F

ClientSampleId :

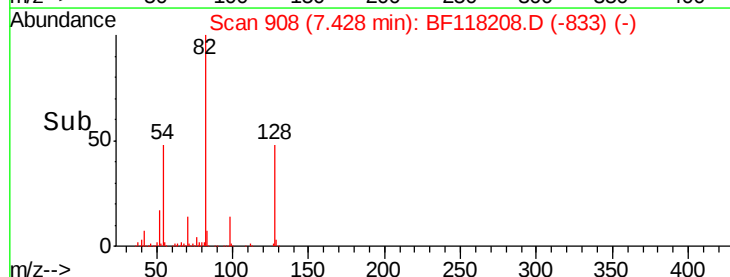
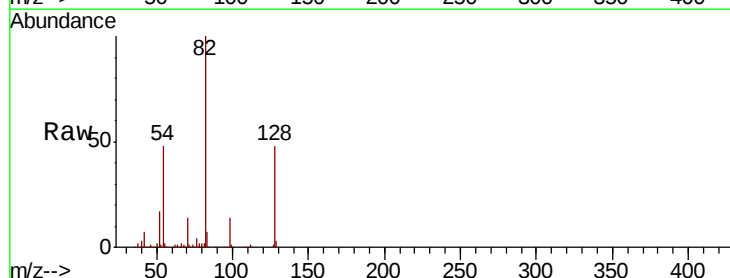
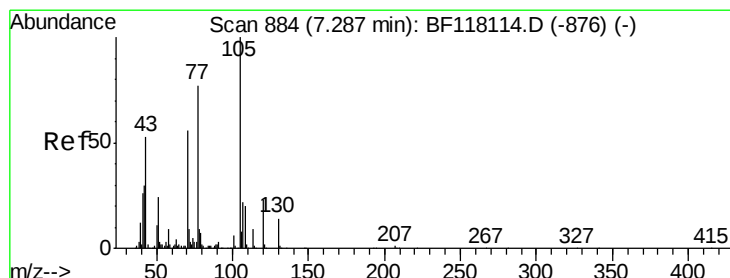
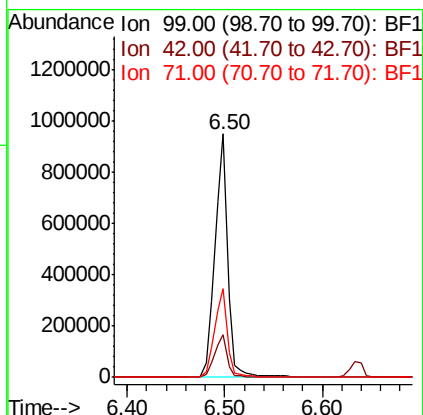
Tot Ion: 99 Resp: 870415

Ion Ratio Lower Upper

99 100

42 17.3 14.1 21.1

71 36.5 29.7 44.5



#19

n-Nitroso-di-n-propylamine

Concen: 20.265 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF118208.D

Acq: 16 Dec 2019 20:43

Tgt Ion: 70 Resp: 91573

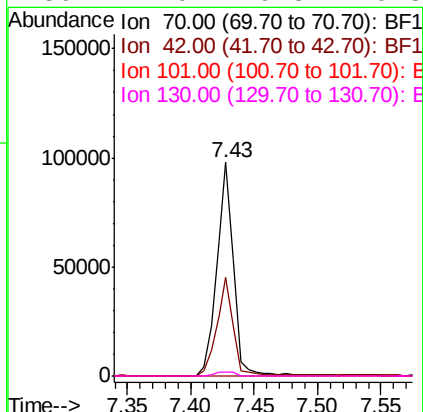
Ion Ratio Lower Upper

70 100

42 46.1 43.2 64.8

101 0.0 8.1 12.1#

130 2.0 19.8 29.8#

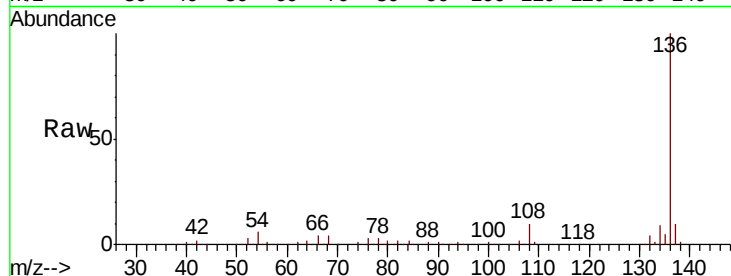




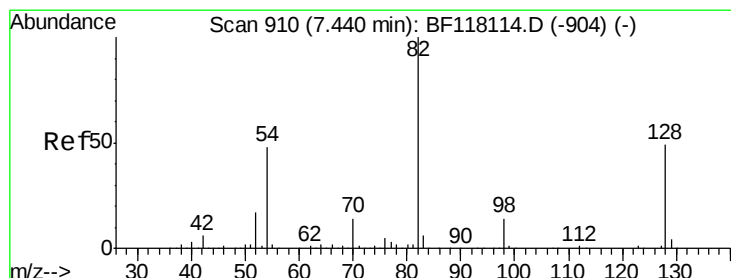
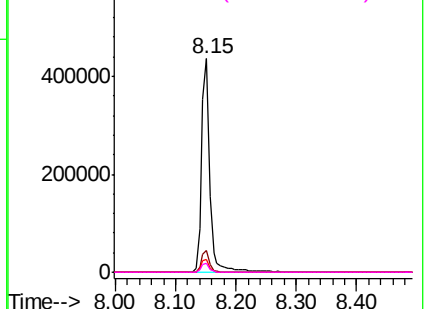
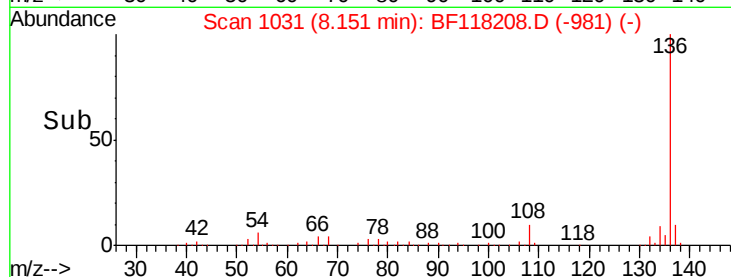
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118208.D
Acq: 16 Dec 2019 20:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 420068
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.6
54 5.8 5.0 7.6
68 4.2 3.8 5.8

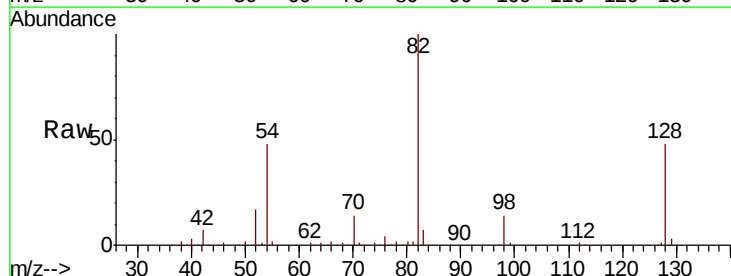


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

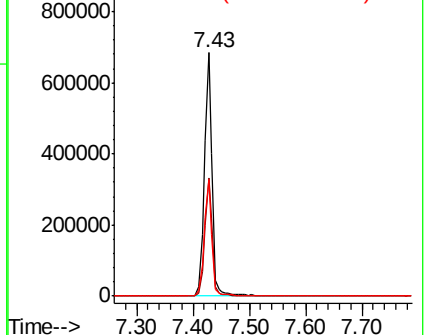
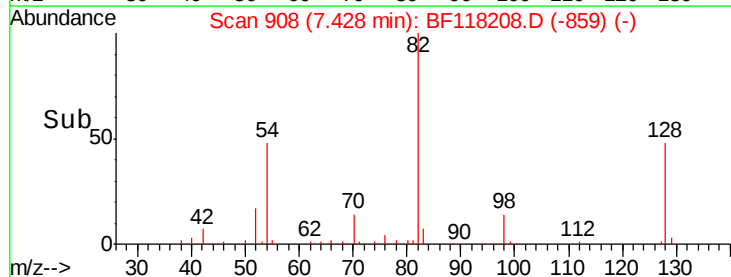


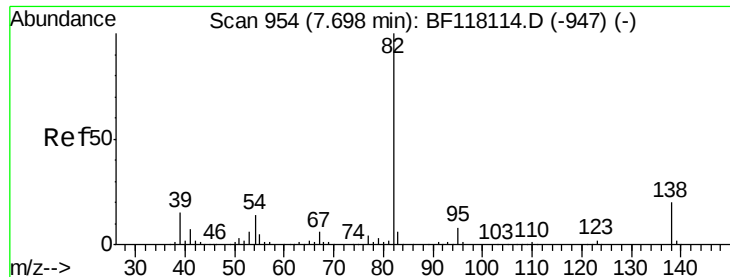
#23
Nitrobenzene-d5
Concen: 88.923 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118208.D
Acq: 16 Dec 2019 20:43

Tgt Ion: 82 Resp: 663976
Ion Ratio Lower Upper
82 100
128 48.4 39.1 58.7
54 48.2 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: 52.004 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118208.D

Acq: 16 Dec 2019 20:43

Instrument :

BNA_F

ClientSampled :

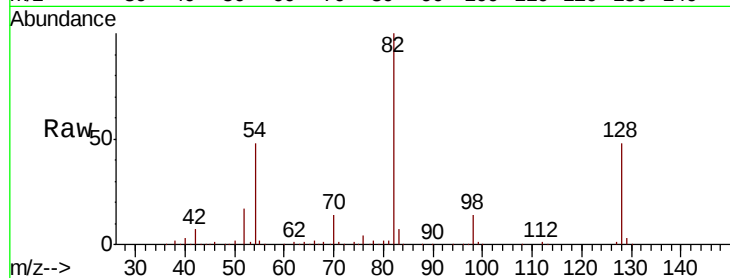
Tot Ion: 82 Resp: 658262

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

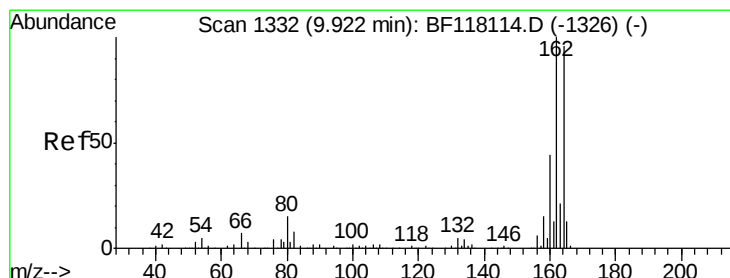
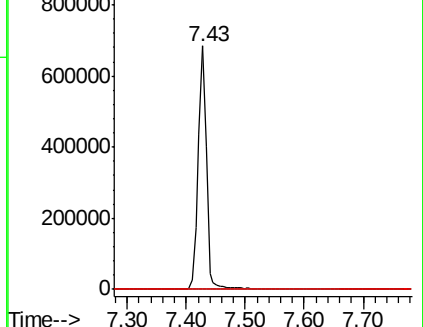
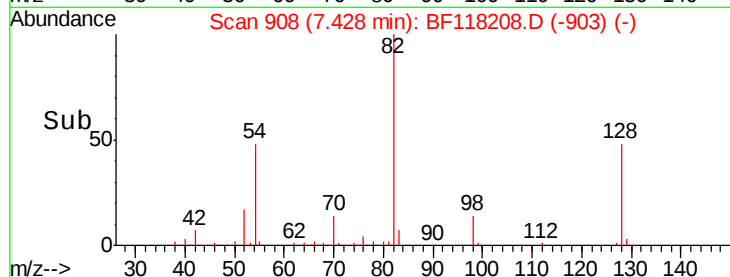
138 0.0 16.3 24.5#



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: BF118208.D

Acq: 16 Dec 2019 20:43

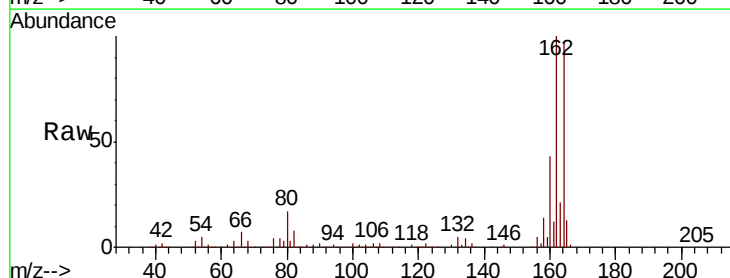
Tgt Ion: 164 Resp: 221623

Ion Ratio Lower Upper

164 100

162 102.6 83.4 125.0

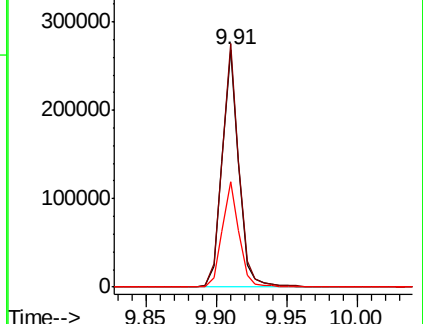
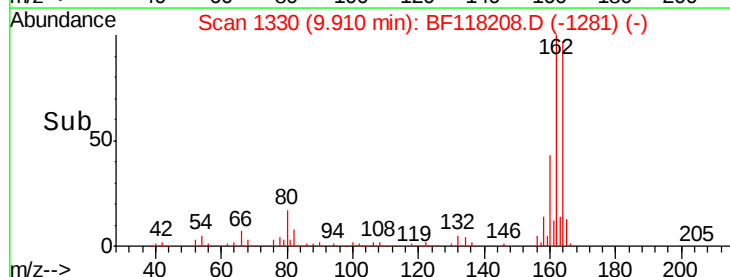
160 44.6 36.6 54.8

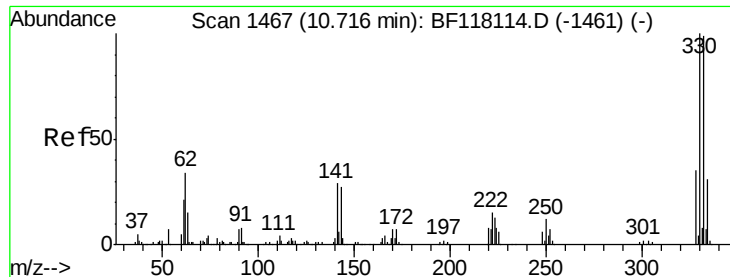


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 146.688 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118208.D

Acq: 16 Dec 2019 20:43

Instrument :

BNA_F

ClientSampled :

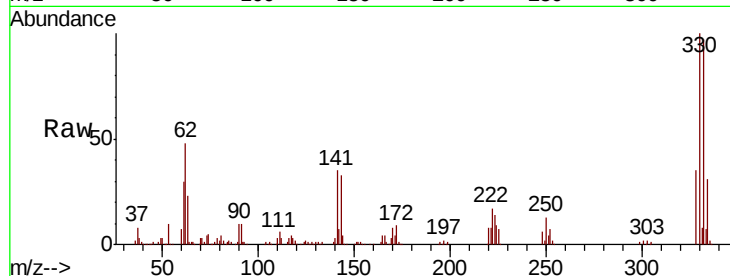
Tot Ion:330 Resp: 394929

Ion Ratio Lower Upper

330 100

332 97.2 78.1 117.1

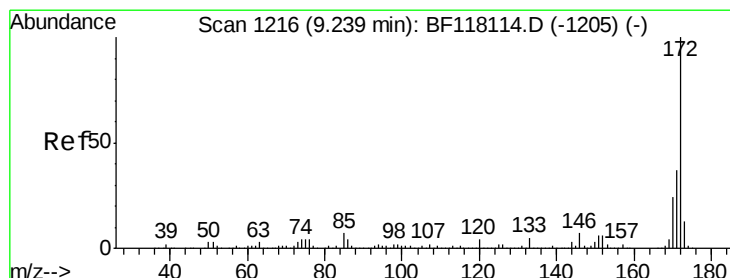
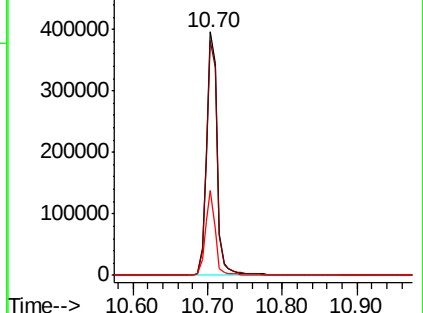
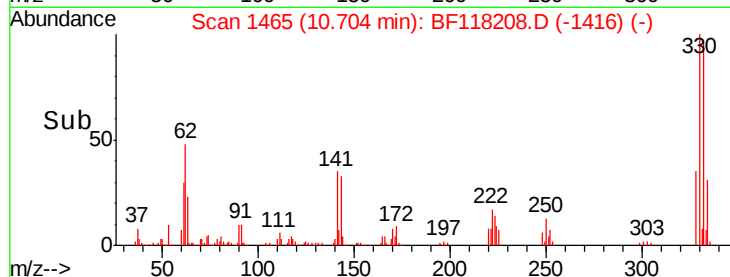
141 32.0 26.9 40.3



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: 93.627 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118208.D

Acq: 16 Dec 2019 20:43

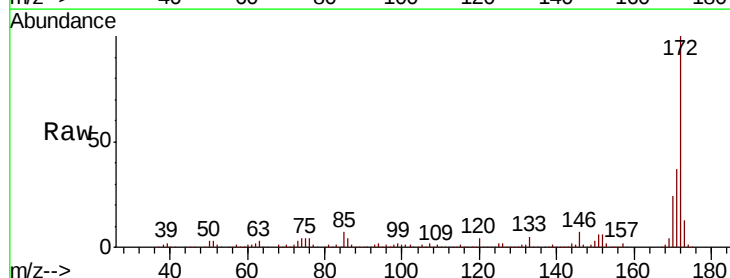
Tgt Ion:172 Resp: 1363650

Ion Ratio Lower Upper

172 100

171 36.5 29.2 43.8

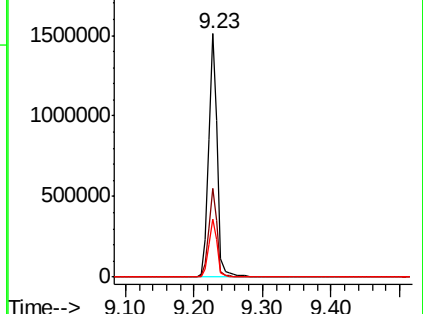
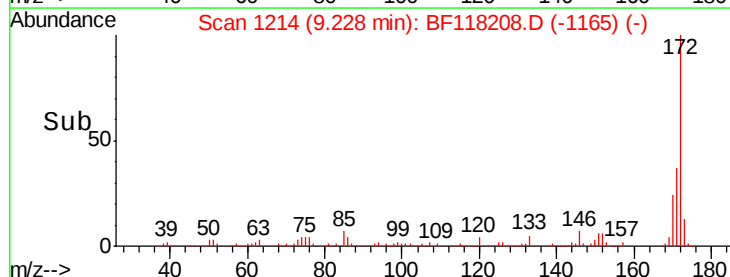
170 23.8 19.4 29.2

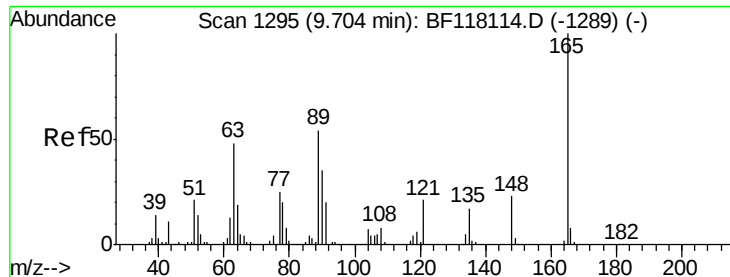


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

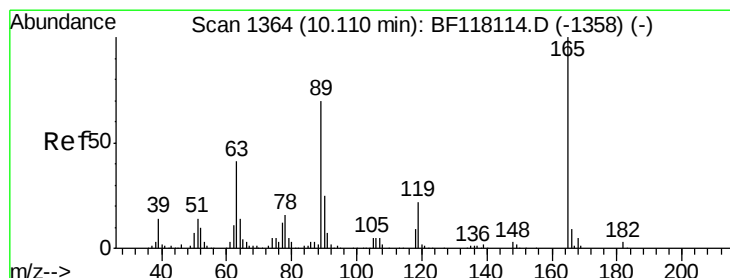
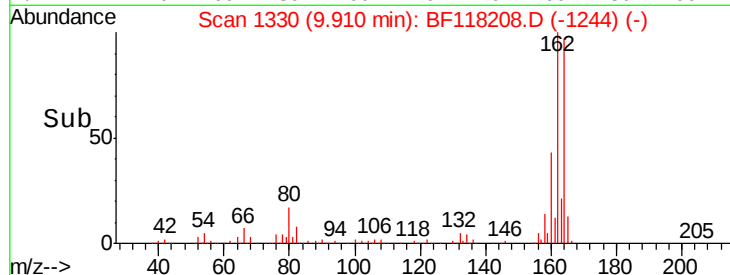
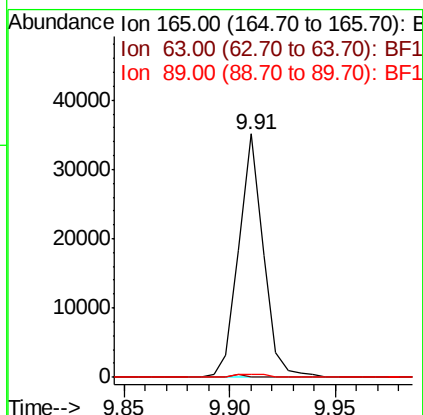
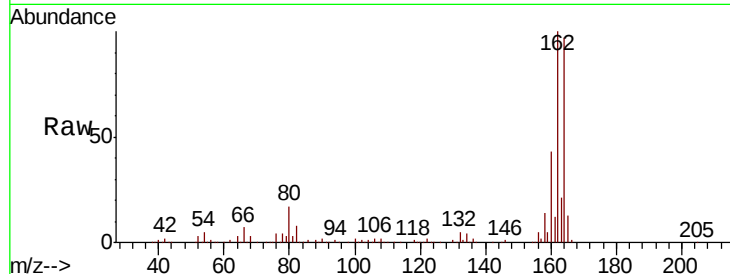




#51
 2,6-Dinitrotoluene
 Concen: 7.977 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF118208.D
 Acq: 16 Dec 2019 20:43

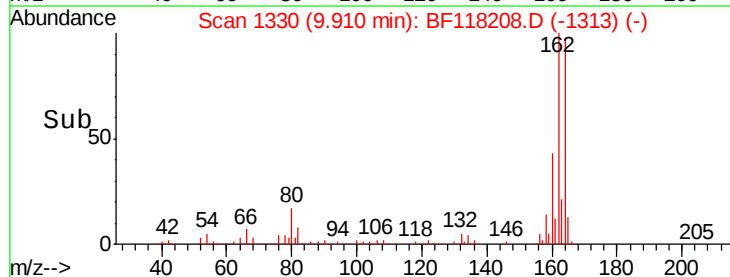
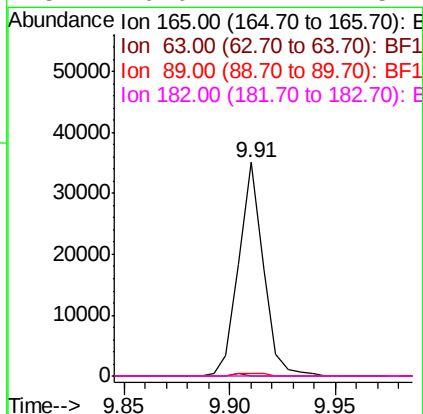
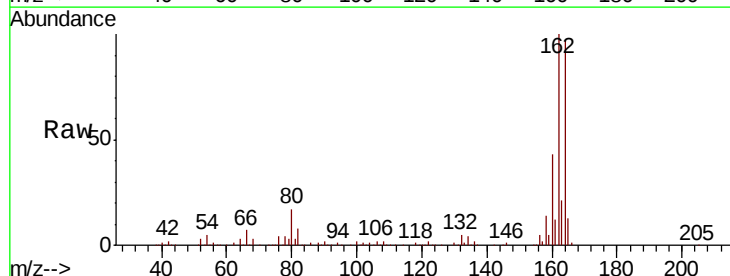
Instrument :
 BNA_F
 ClientSampleId :

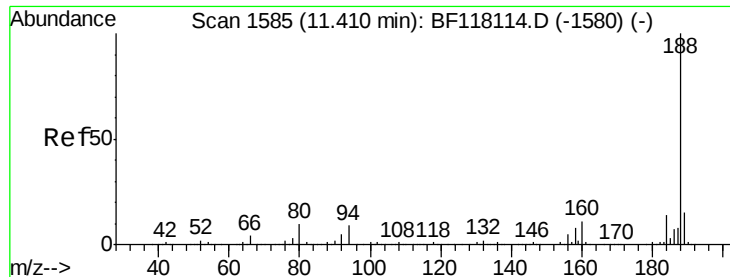
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.4	62.0#
89	1.3	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.976 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118208.D
 Acq: 16 Dec 2019 20:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.6	49.0#
89	1.3	56.1	84.1#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118208.D

Acq: 16 Dec 2019 20:43

Instrument :

BNA_F

ClientSampleId :

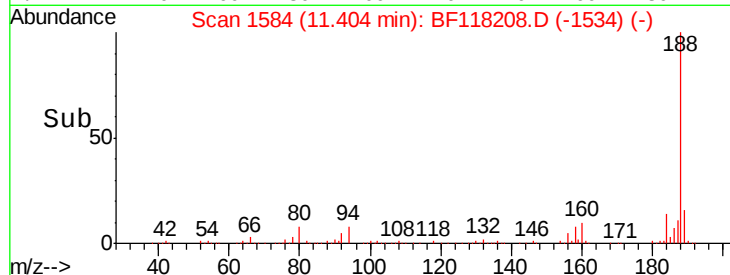
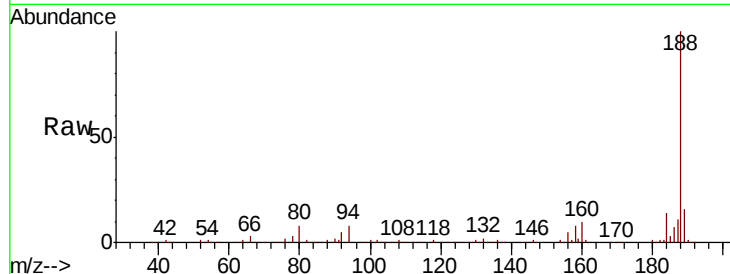
Tot Ion:188 Resp: 423832

Ion Ratio Lower Upper

188 100

94 7.8 7.1 10.7

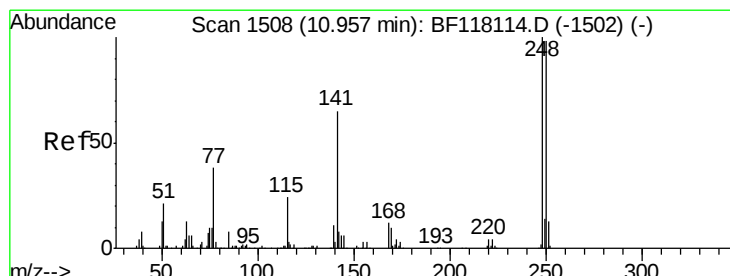
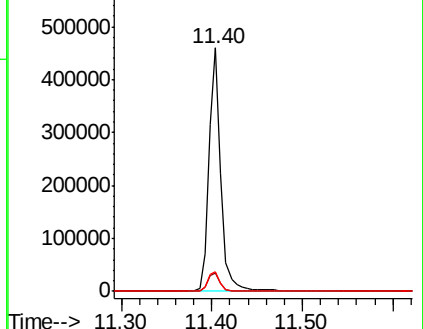
80 8.1 7.9 11.9



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: 4.865 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF118208.D

Acq: 16 Dec 2019 20:43

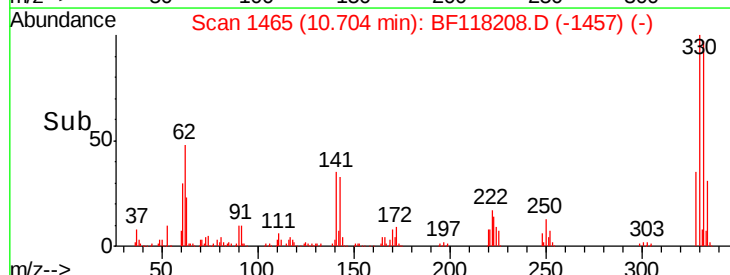
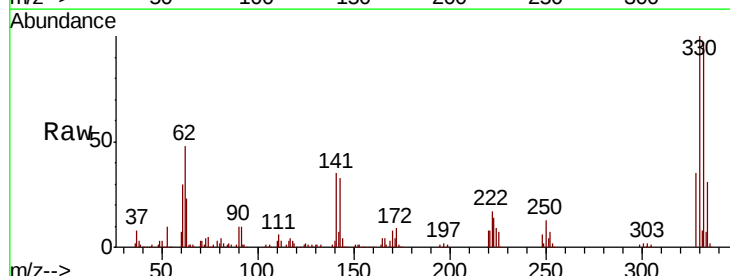
Tgt Ion:248 Resp: 23537

Ion Ratio Lower Upper

248 100

250 206.1 78.3 117.5#

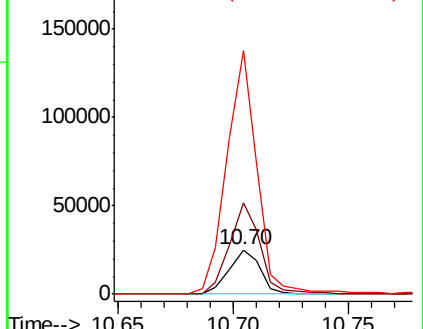
141 553.2 52.2 78.4#

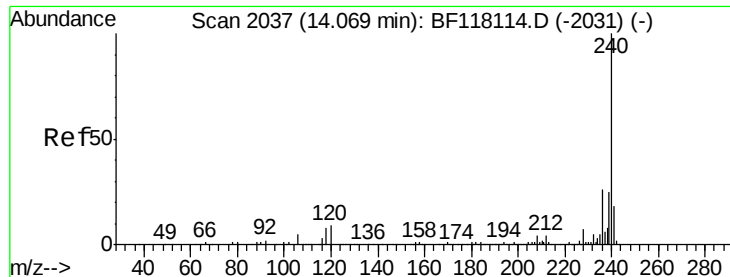


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

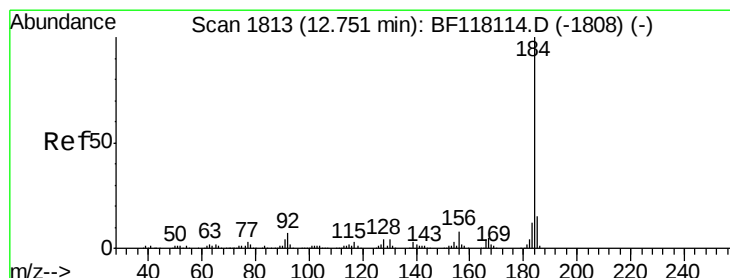
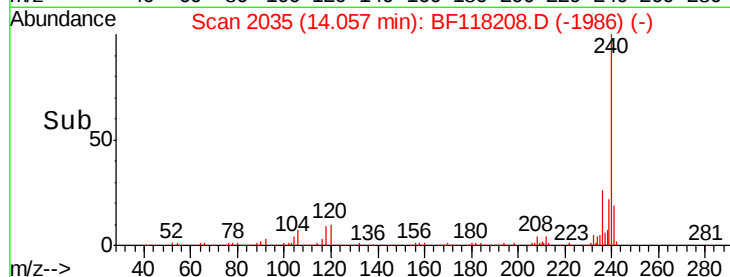
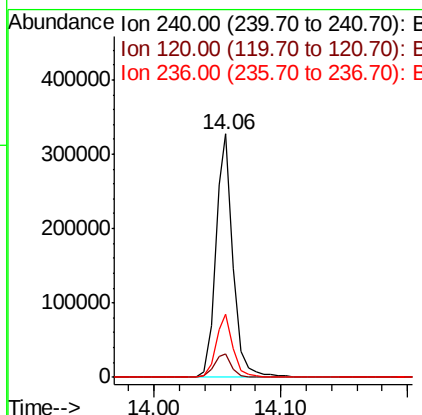
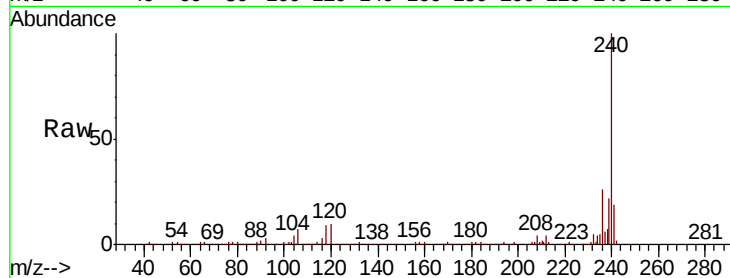




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118208.D
Acq: 16 Dec 2019 20:43

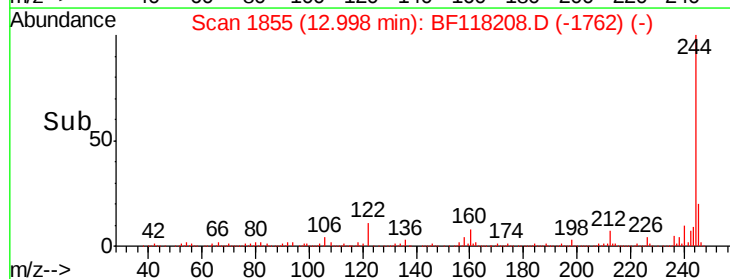
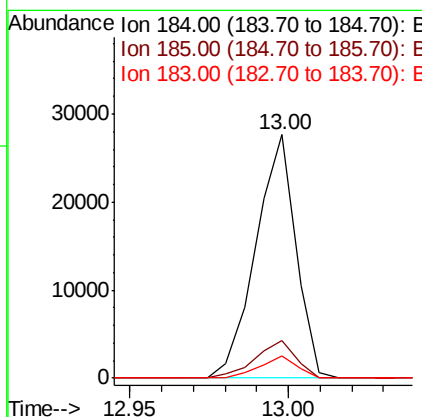
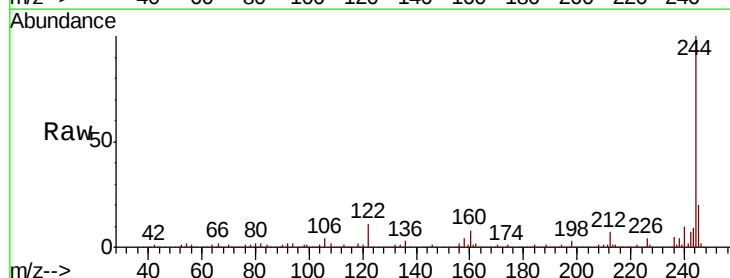
Instrument :
BNA_F
ClientSampleId :

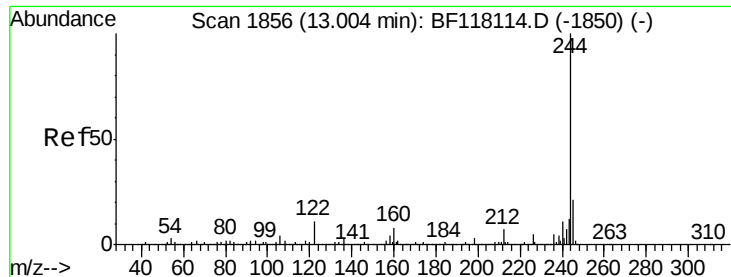
Tot Ion:240 Resp: 311005
Ion Ratio Lower Upper
240 100
120 9.9 7.1 10.7
236 26.0 21.0 31.6



#77
Benzidine
Concen: 2.981 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.25 min
Lab File: BF118208.D
Acq: 16 Dec 2019 20:43

Tgt Ion:184 Resp: 24410
Ion Ratio Lower Upper
184 100
185 15.6 12.3 18.5
183 9.2 9.9 14.9#





#79

Terphenyl-d14

Concen: 97.447 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118208.D

Acq: 16 Dec 2019 20:43

Instrument :

BNA_F

ClientSampleId :

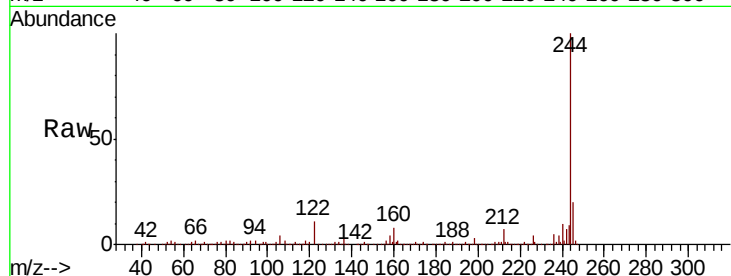
Tot Ion:244 Resp: 1762391

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

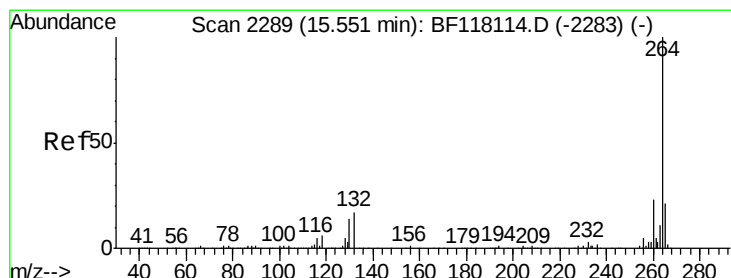
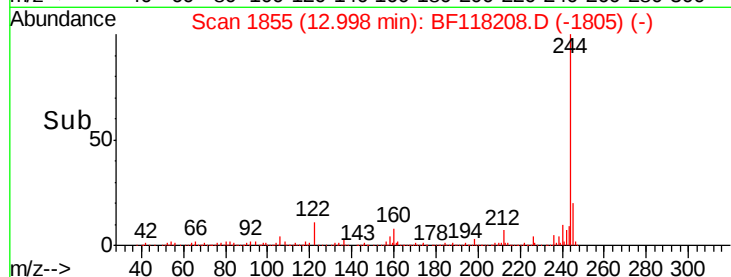
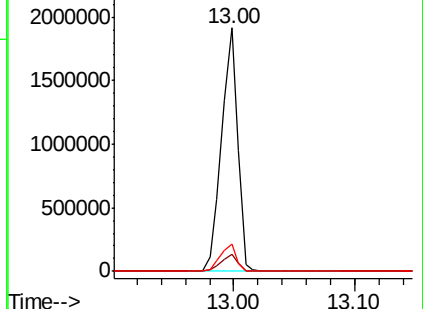
122 11.3 9.0 13.6



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: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF118208.D

Acq: 16 Dec 2019 20:43

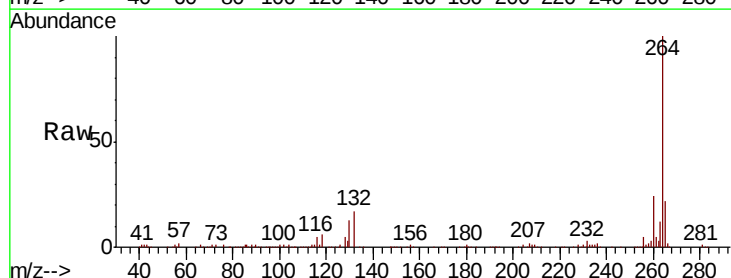
Tgt Ion:264 Resp: 287262

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 22.5 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

