

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
 Data File : BF115161.D
 Acq On : 24 Jun 2019 21:41
 Operator : HP/JU
 Sample : K3482-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Jun 25 07:42:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 04:21:29 2019
 Response via : Initial Calibration

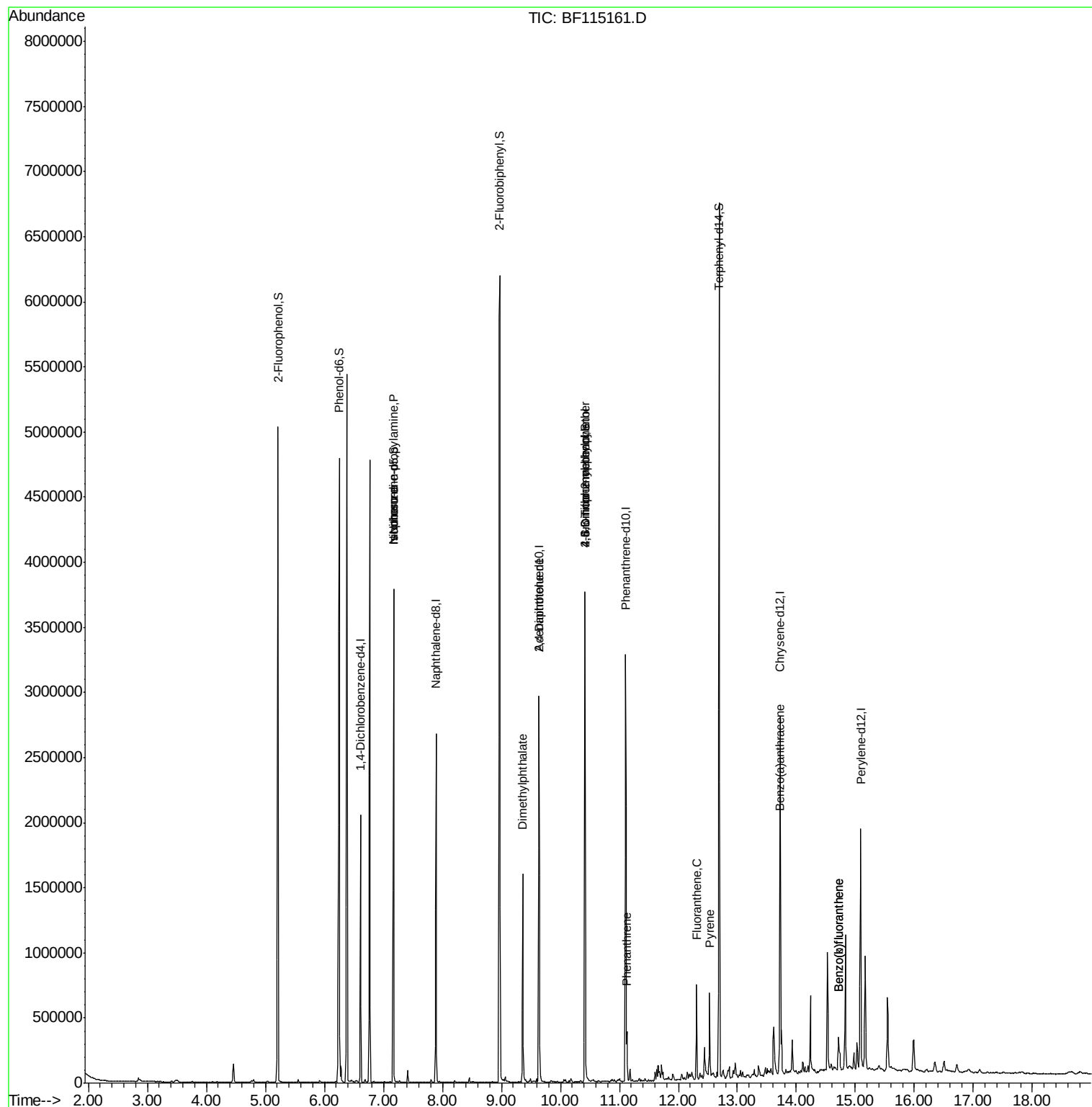
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	301695	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1143220	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	568109	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	1132729	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	851598	20.00	ng	-0.02
87) Perylene-d12	15.09	264	729424	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1589271	81.29	ng	0.00
7) Phenol-d6	6.25	99	2019564	85.11	ng	0.00
23) Nitrobenzene-d5	7.17	82	1195987	64.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	494702	82.58	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	2069496	61.88	ng	-0.01
79) Terphenyl-d14	12.69	244	2343616	58.51	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	160058	10.536	ng	# 76
25) Isophorone	7.17	82	1185166	31.131	ng	# 63
50) Dimethylphthalate	9.36	163	666687	15.951	ng	99
57) 2,4-Dinitrotoluene	9.64	165	73950	5.935	ng	# 30
58) Fluorene	10.18	166	5453	Below Cal		94
61) 4-Chlorophenyl-phenylether	9.99	204	230	Below Cal	#	29
65) 4,6-Dinitro-2-methylphenol	10.42	198	1136	5.129	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	31012	2.525	ng	# 1
71) Phenanthrene	11.13	178	122268	2.005	ng	98
75) Fluoranthene	12.31	202	254905	4.189	ng	96
78) Pyrene	12.53	202	235047	3.591	ng	99
81) Benzo(a)anthracene	13.71	228	126039	2.063	ng	98
88) Benzo(b)fluoranthene	14.71	252	155817	3.424	ng	99
89) Benzo(k)fluoranthene	14.71	252	155817	3.818	ng	99

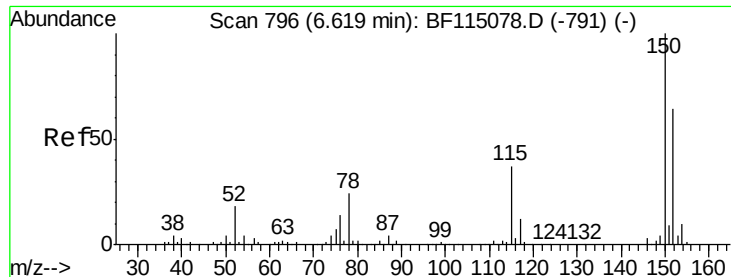
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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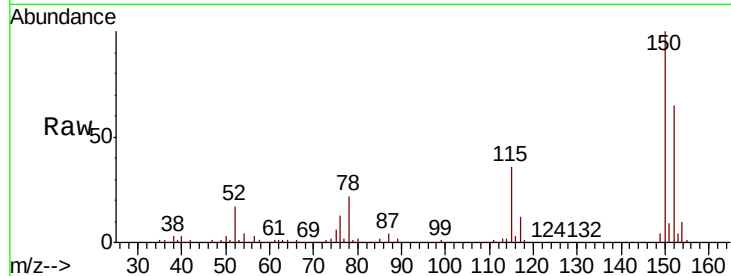


#1

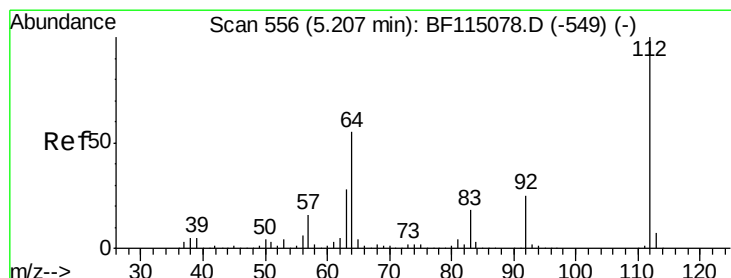
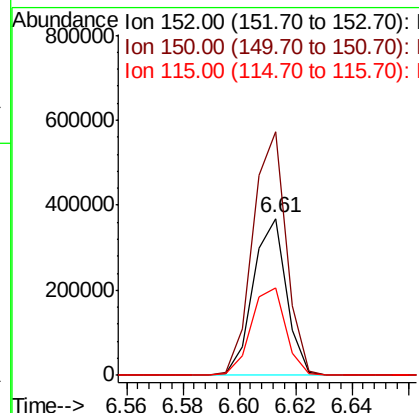
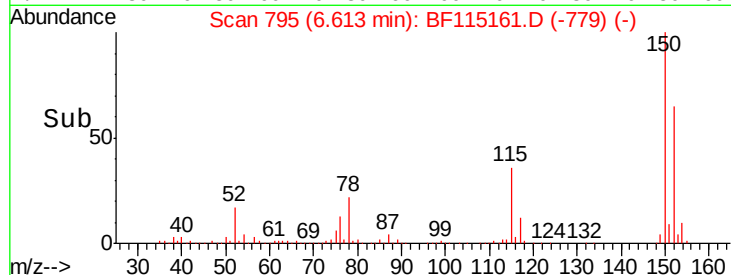
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115161.D
Acq: 24 Jun 2019 21:41

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion:152 Resp: 301695
Ion Ratio Lower Upper
152 100
150 154.9 124.2 186.2
115 56.0 46.1 69.1



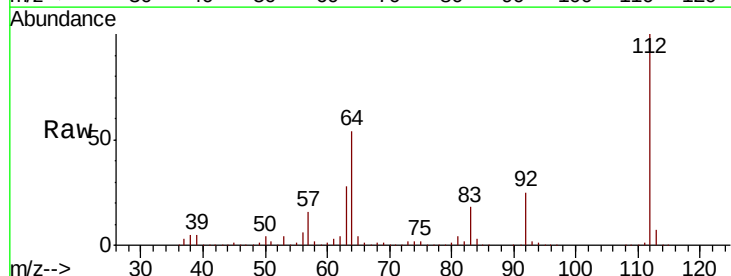
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



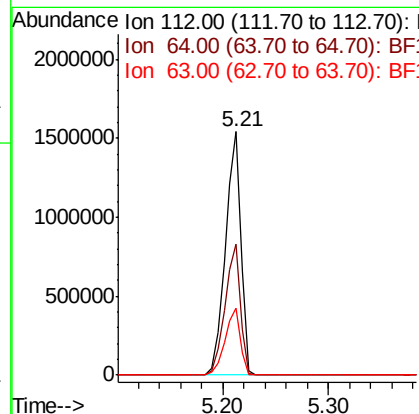
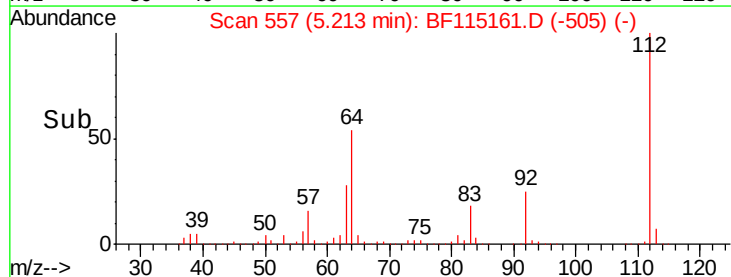
#5

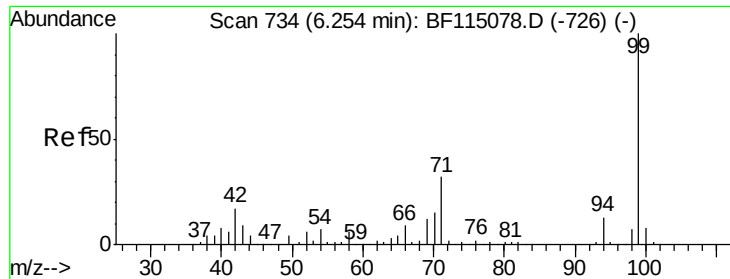
2-Fluorophenol
Concen: 81.291 ng
RT: 5.21 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF115161.D
Acq: 24 Jun 2019 21:41

Tgt Ion:112 Resp: 1589271
Ion Ratio Lower Upper
112 100
64 53.9 43.8 65.6
63 27.6 22.2 33.4



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: 85.108 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115161.D

Acq: 24 Jun 2019 21:41

Instrument :

BNA_F

ClientSampleId :

TP-2

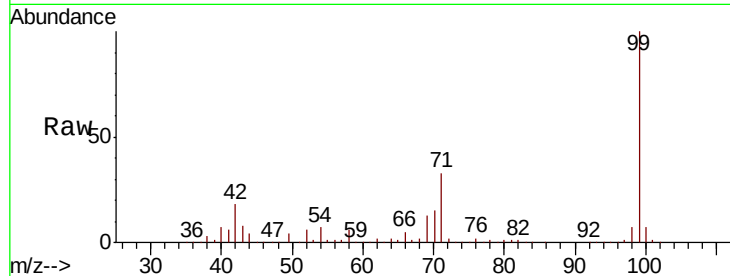
Tot Ion: 99 Resp: 2019564

Ion Ratio Lower Upper

99 100

42 17.5 13.6 20.4

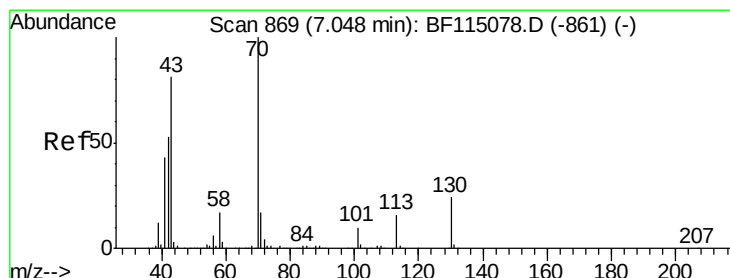
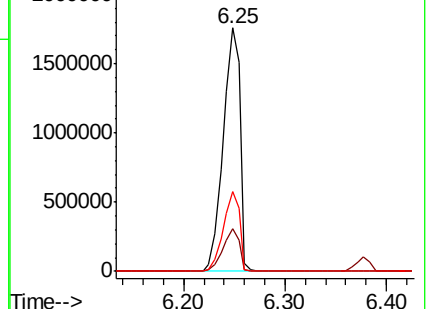
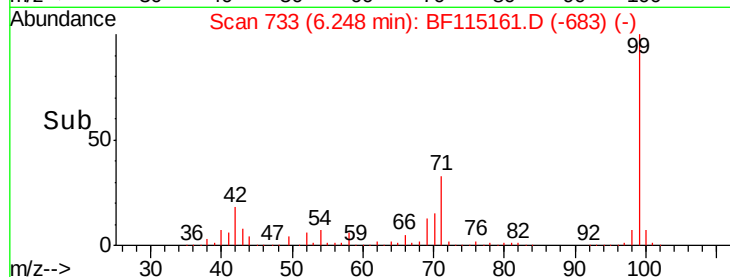
71 32.6 25.5 38.3



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: 10.536 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.12 min

Lab File: BF115161.D

Acq: 24 Jun 2019 21:41

Tgt Ion: 70 Resp: 160058

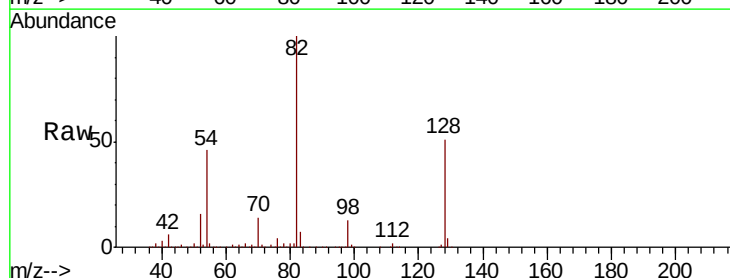
Ion Ratio Lower Upper

70 100

42 43.4 42.6 63.8

101 0.0 8.0 12.0#

130 2.3 19.4 29.0#

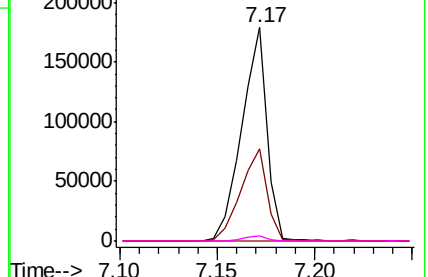
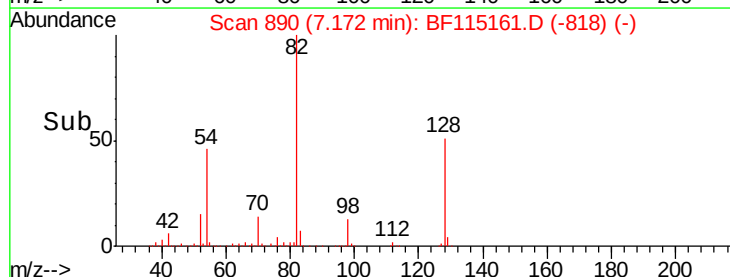


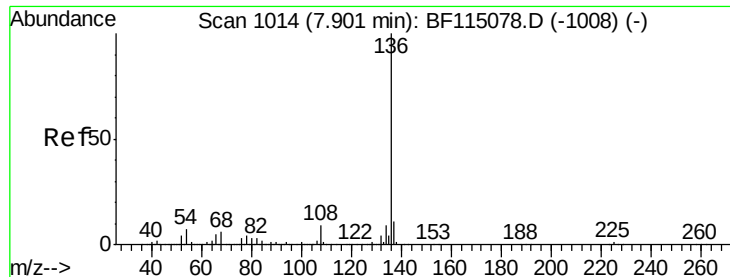
Abundance Ion 70.00 (69.70 to 70.70): BF1

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



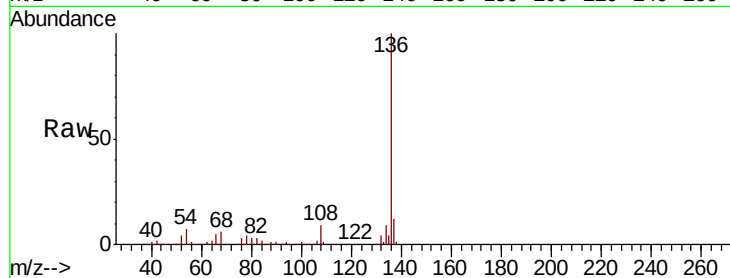


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF115161.D
Acq: 24 Jun 2019 21:41

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion:136 Resp: 1143220

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.9	13.3
54	7.4	5.6	8.4
68	6.2	4.8	7.2



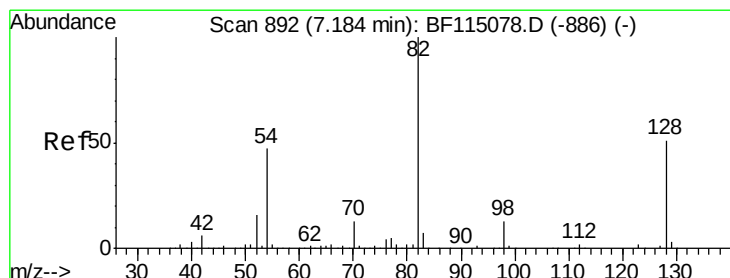
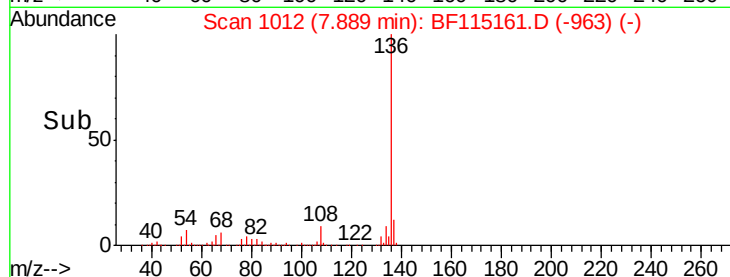
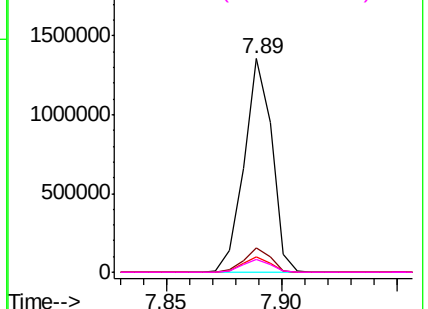
Abundance

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

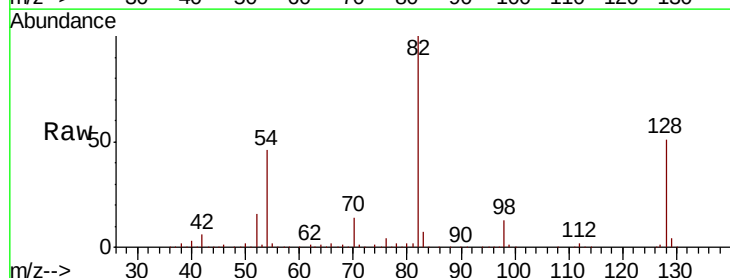
Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 64.355 ng
RT: 7.17 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF115161.D
Acq: 24 Jun 2019 21:41

Tgt Ion: 82 Resp: 1195987

Ion	Ratio	Lower	Upper
82	100		
128	51.0	40.4	60.6
54	46.5	37.5	56.3

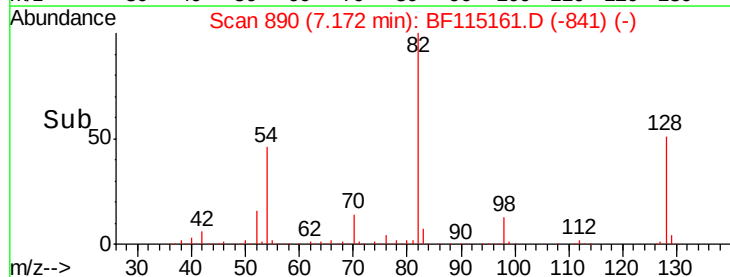
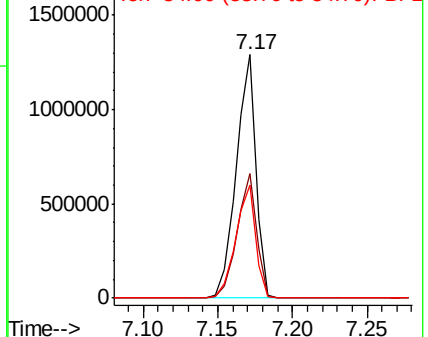


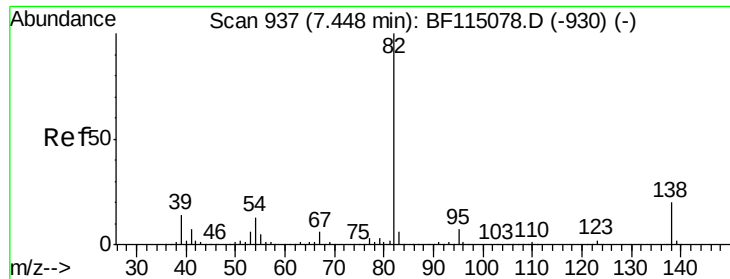
Abundance

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: 31.131 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF115161.D

Acq: 24 Jun 2019 21:41

Instrument :

BNA_F

ClientSampleId :

TP-2

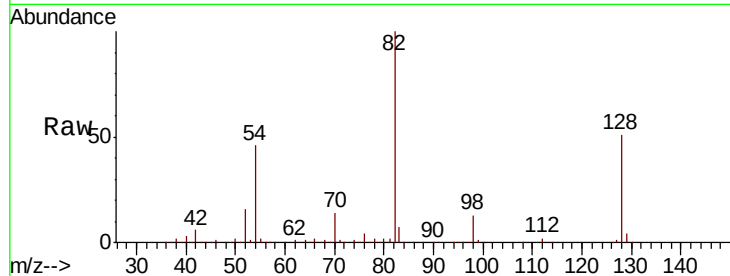
Tot Ion: 82 Resp: 1185166

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

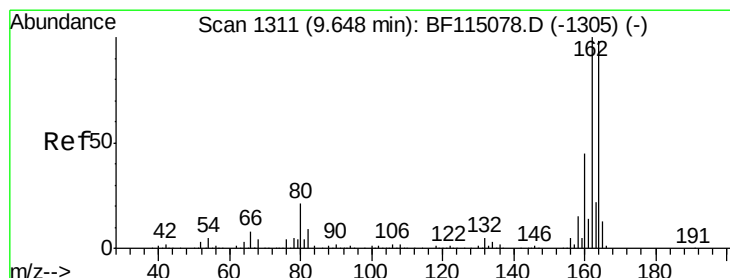
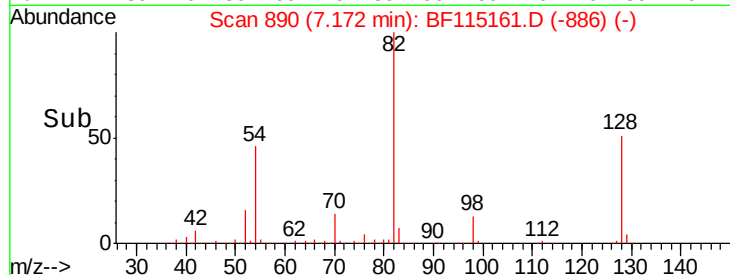
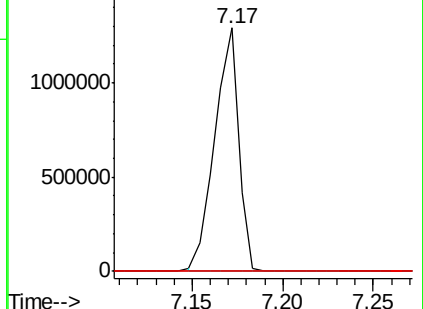
138 0.0 15.9 23.9#



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: 9.64 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115161.D

Acq: 24 Jun 2019 21:41

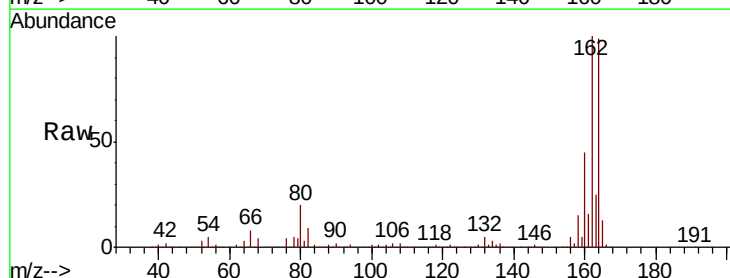
Tgt Ion:164 Resp: 568109

Ion Ratio Lower Upper

164 100

162 101.1 81.7 122.5

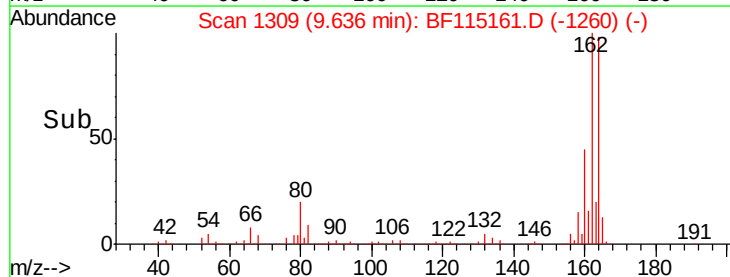
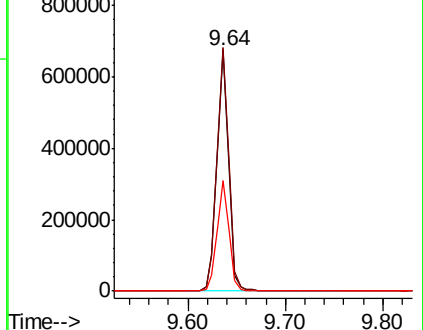
160 45.8 37.0 55.4

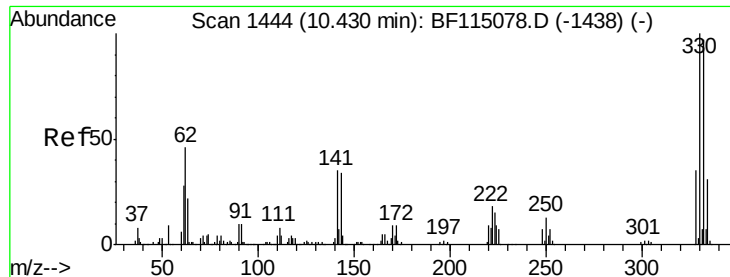


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

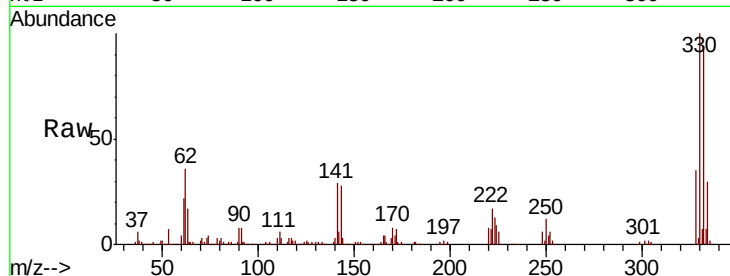




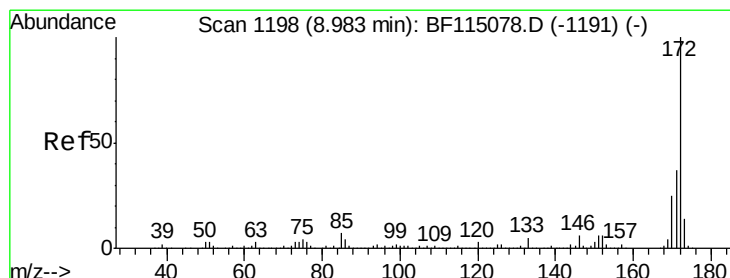
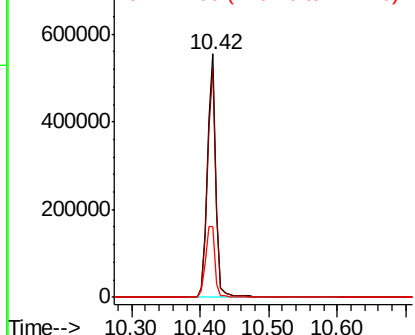
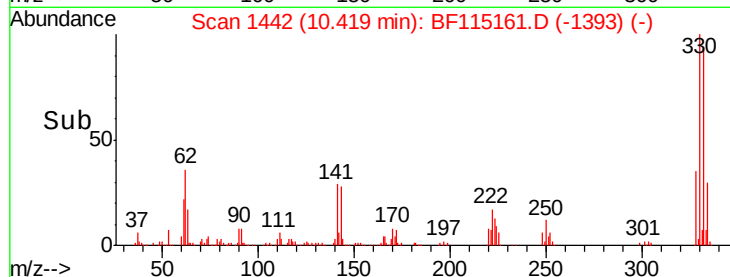
#42
 2,4,6-Tribromophenol
 Concen: 82.575 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF115161.D
 Acq: 24 Jun 2019 21:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.3	115.9
141	33.0	28.2	42.2

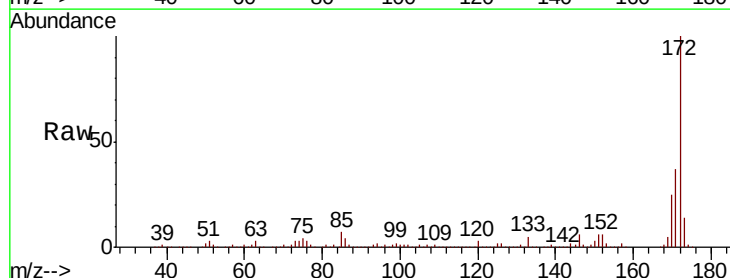


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

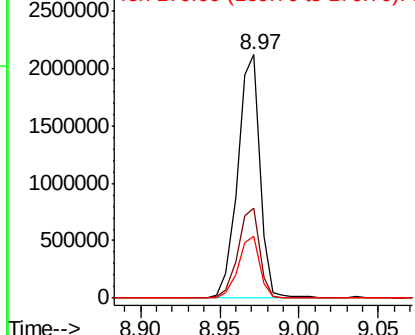
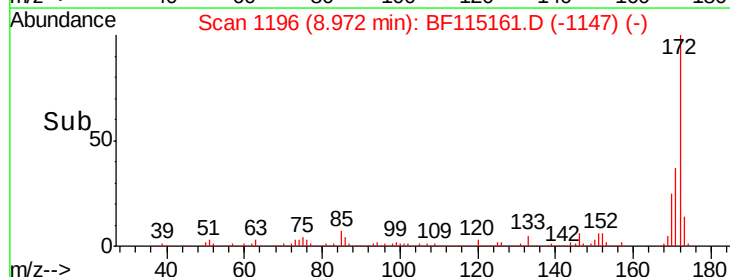


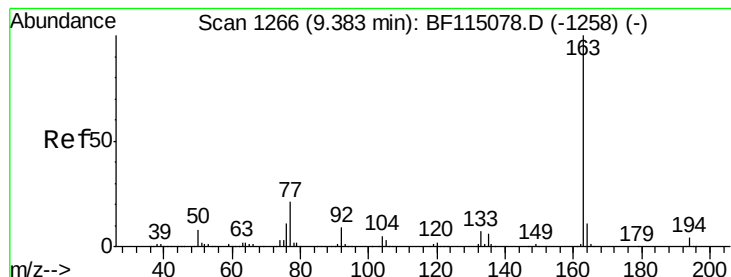
#45
 2-Fluorobiphenyl
 Concen: 61.877 ng
 RT: 8.97 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF115161.D
 Acq: 24 Jun 2019 21:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.8	44.6
170	25.4	20.3	30.5



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: 15.951 ng

RT: 9.36 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BF115161.D

Acq: 24 Jun 2019 21:41

Instrument :

BNA_F

ClientSampleId :

TP-2

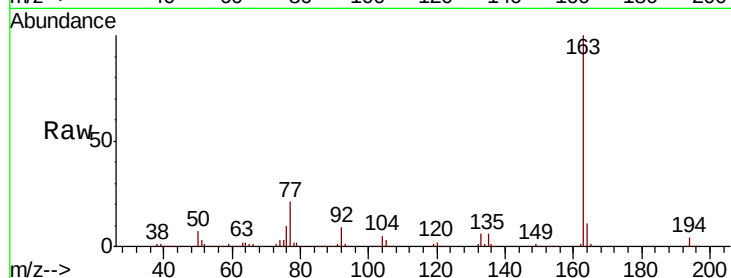
Tot Ion:163 Resp: 666687

Ion Ratio Lower Upper

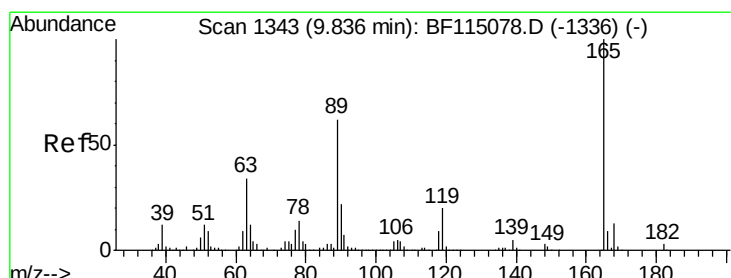
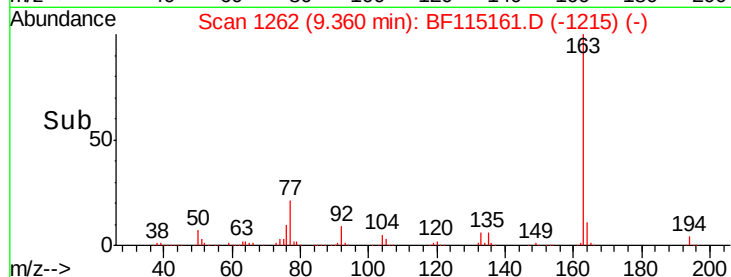
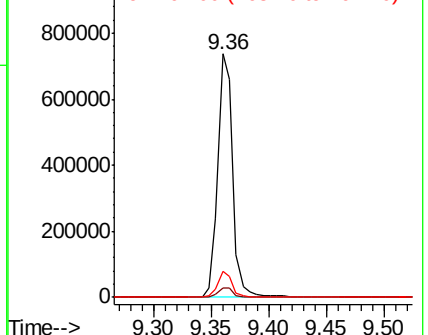
163 100

194 3.8 3.2 4.8

164 10.5 8.6 13.0



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: 5.935 ng

RT: 9.64 min Scan# 1309

Delta R.T. -0.20 min

Lab File: BF115161.D

Acq: 24 Jun 2019 21:41

Tgt Ion:165 Resp: 73950

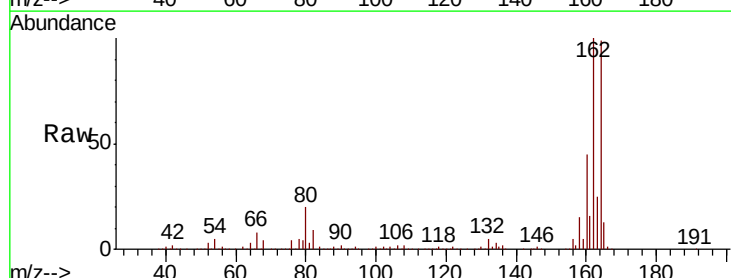
Ion Ratio Lower Upper

165 100

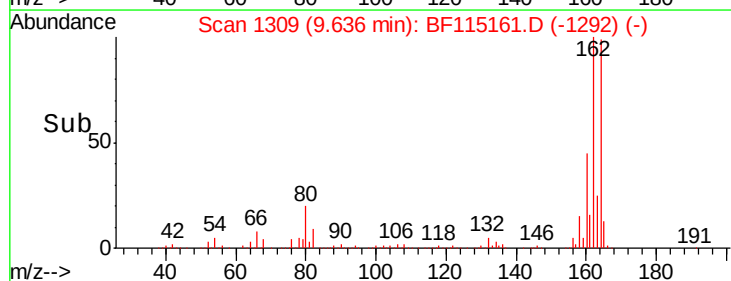
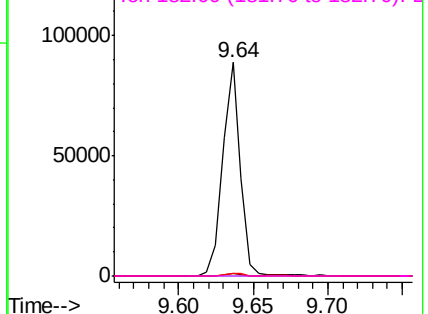
63 1.2 27.5 41.3#

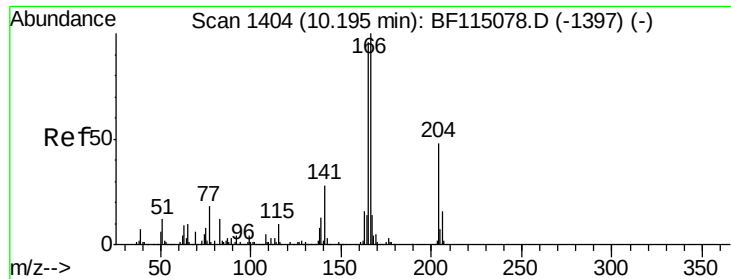
89 1.3 49.9 74.9#

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

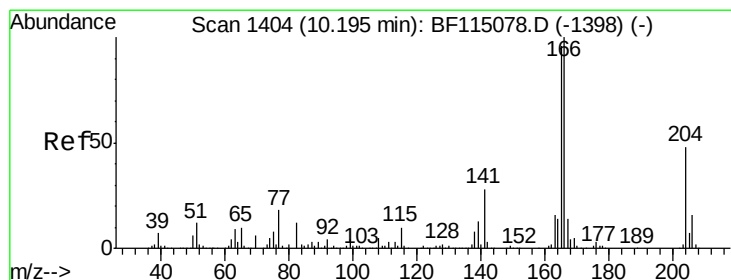
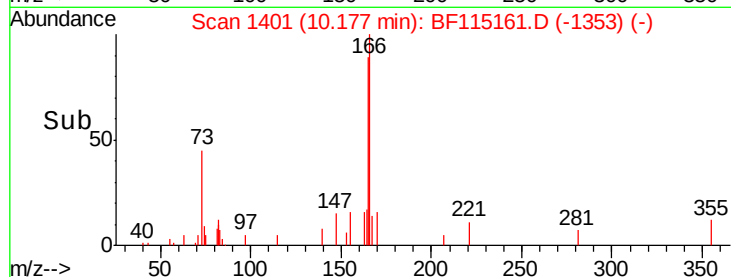
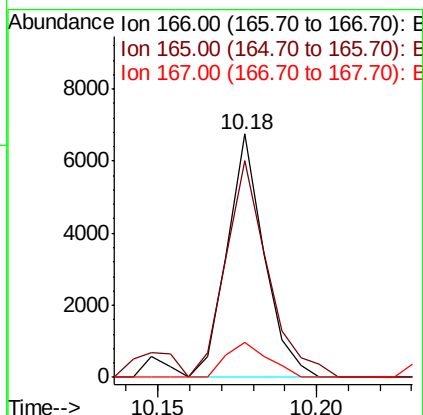
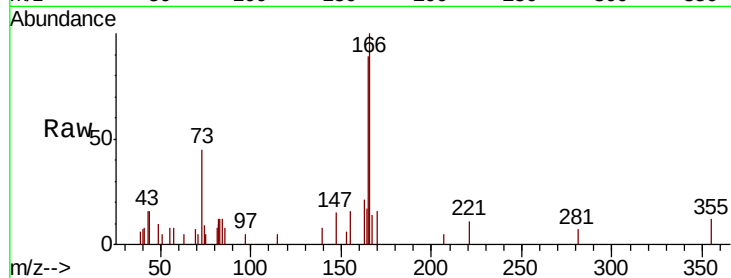




#58
 Fluorene
 Concen: Below Cal
 RT: 10.18 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BF115161.D
 Acq: 24 Jun 2019 21:41

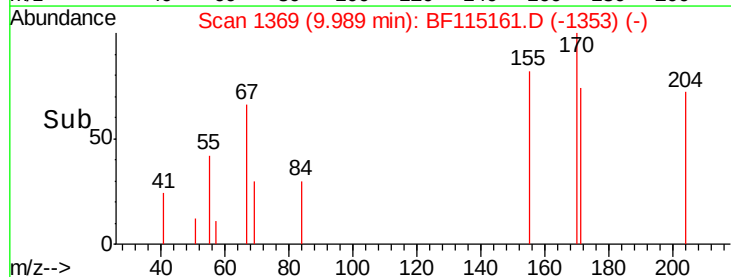
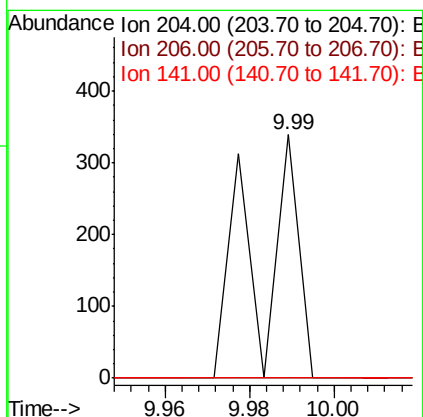
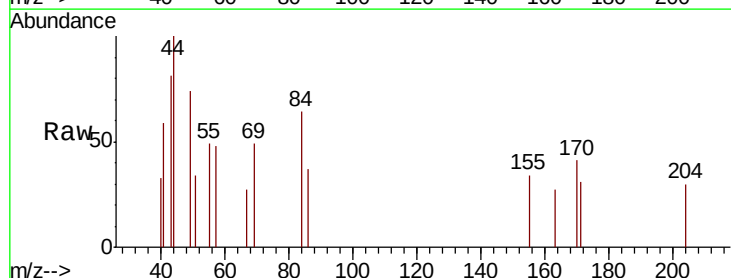
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

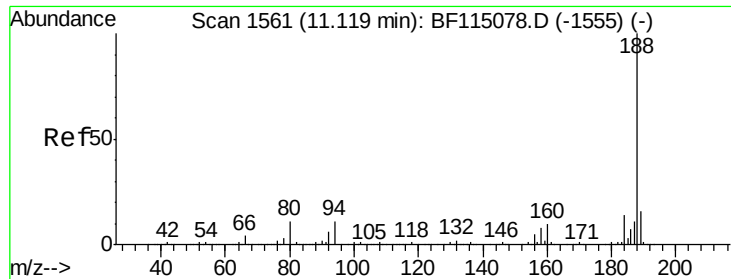
Tot Ion:166 Resp: 5453
 Ion Ratio Lower Upper
 166 100
 165 88.9 76.5 114.7
 167 14.3 11.0 16.4



#61
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 9.99 min Scan# 1369
 Delta R.T. -0.21 min
 Lab File: BF115161.D
 Acq: 24 Jun 2019 21:41

Tgt Ion:204 Resp: 230
 Ion Ratio Lower Upper
 204 100
 206 0.0 26.6 40.0#
 141 0.0 46.7 70.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF115161.D

Acq: 24 Jun 2019 21:41

Instrument :

BNA_F

ClientSampleId :

TP-2

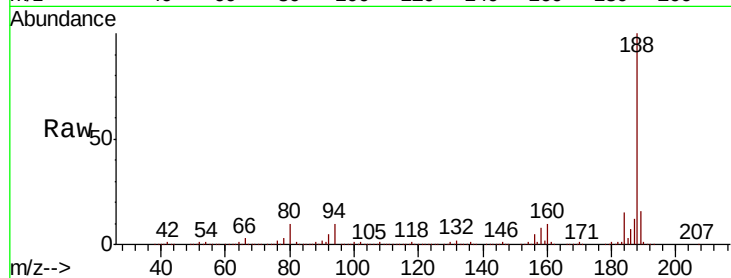
Tot Ion:188 Resp: 1132729

Ion Ratio Lower Upper

188 100

94 9.9 8.6 12.8

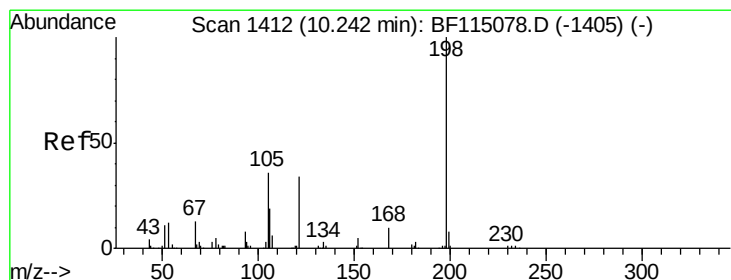
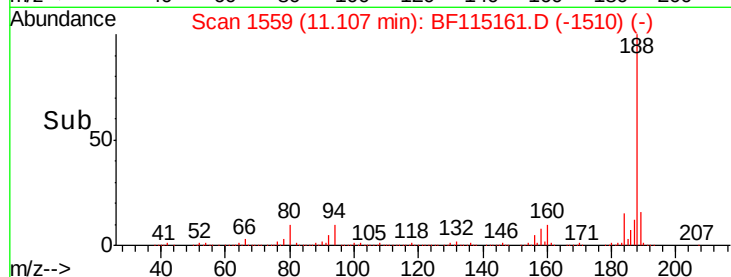
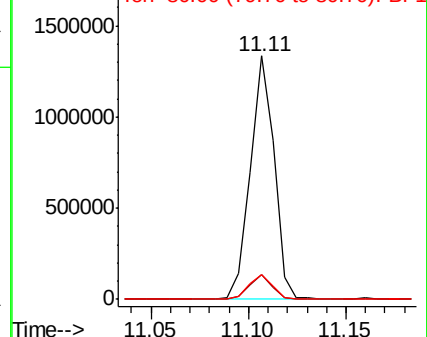
80 10.4 8.8 13.2



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



#65

4,6-Dinitro-2-methylphenol

Concen: 5.129 ng

RT: 10.42 min Scan# 1442

Delta R.T. 0.18 min

Lab File: BF115161.D

Acq: 24 Jun 2019 21:41

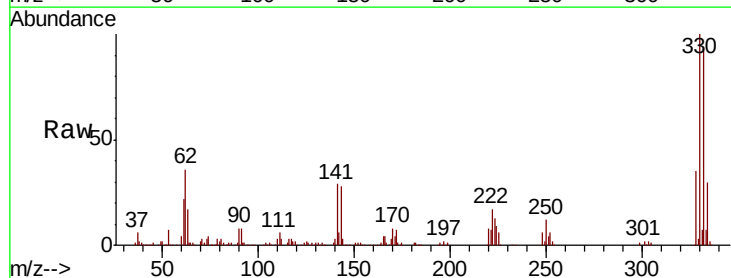
Tgt Ion:198 Resp: 1136

Ion Ratio Lower Upper

198 100

51 132.3 11.0 51.0#

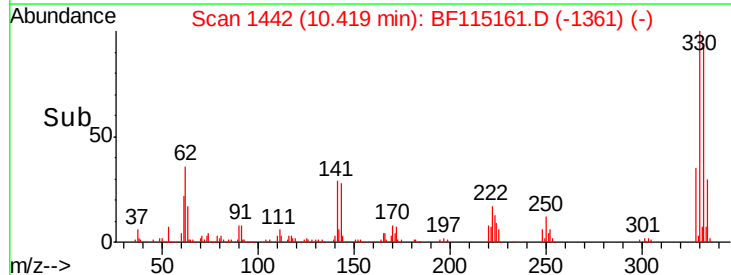
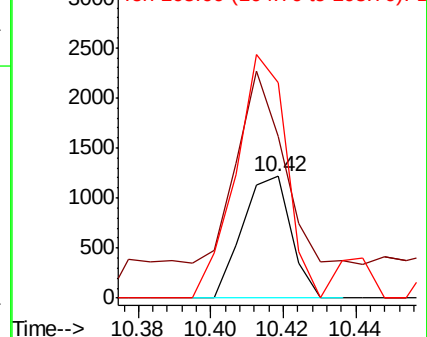
105 176.8 17.3 57.3#

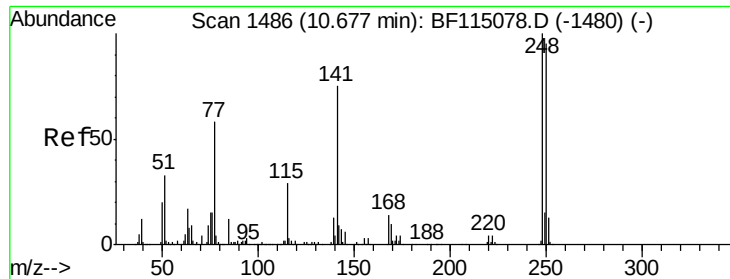


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

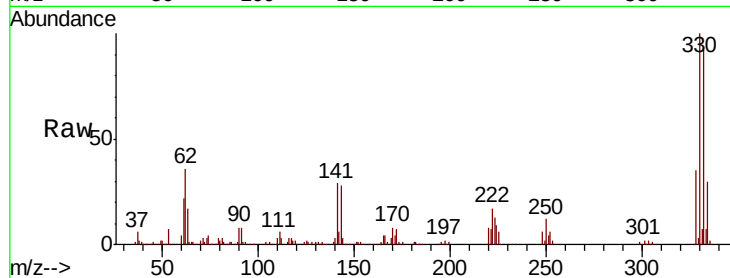




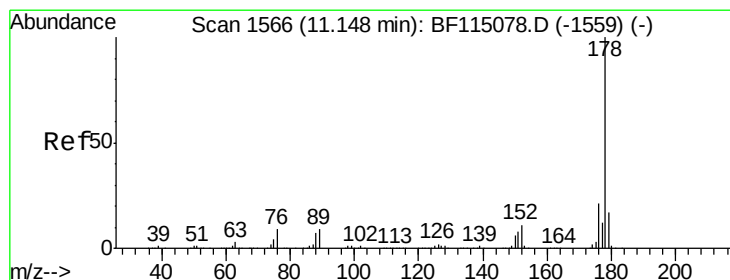
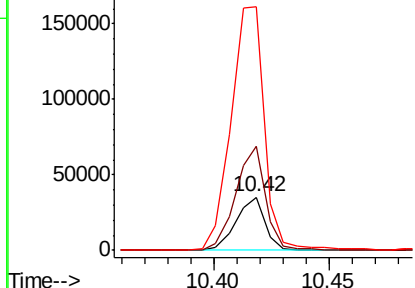
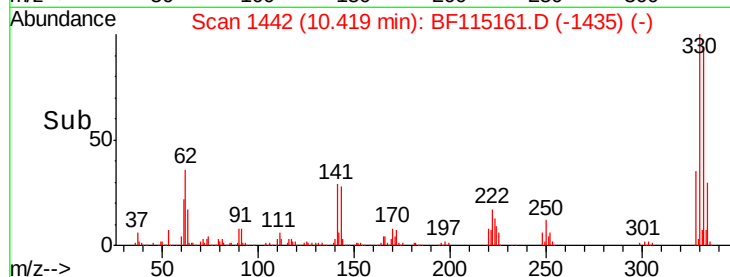
#67
 4-Bromophenyl-phenylether
 Concen: 2.525 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. -0.26 min
 Lab File: BF115161.D
 Acq: 24 Jun 2019 21:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion:248 Resp: 31012
 Ion Ratio Lower Upper
 248 100
 250 195.3 76.2 114.2#
 141 456.4 59.6 89.4#

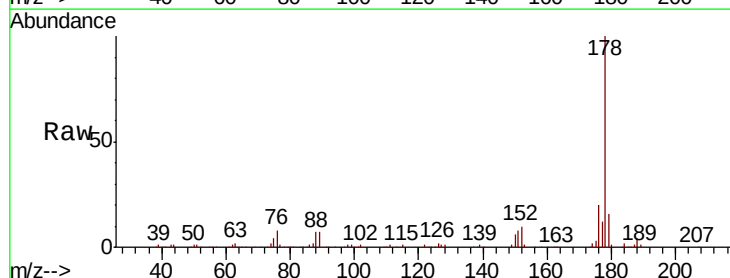


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

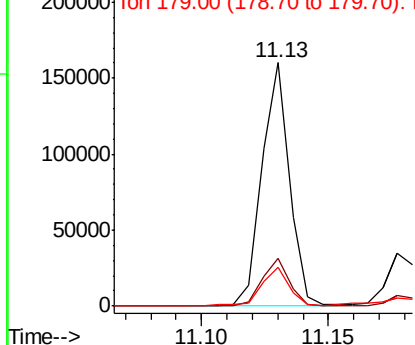
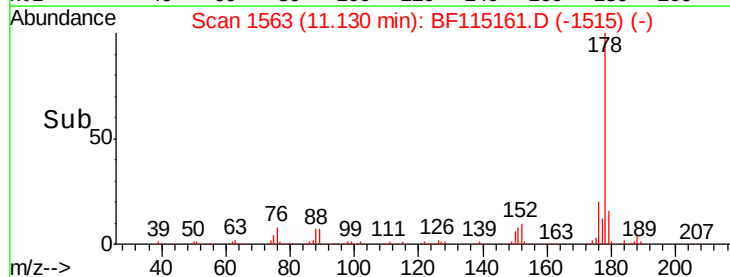


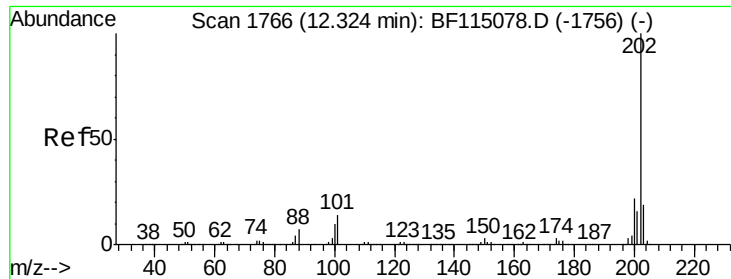
#71
 Phenanthrene
 Concen: 2.005 ng
 RT: 11.13 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: BF115161.D
 Acq: 24 Jun 2019 21:41

Tgt Ion:178 Resp: 122268
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.9 25.3
 179 15.8 13.2 19.8



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

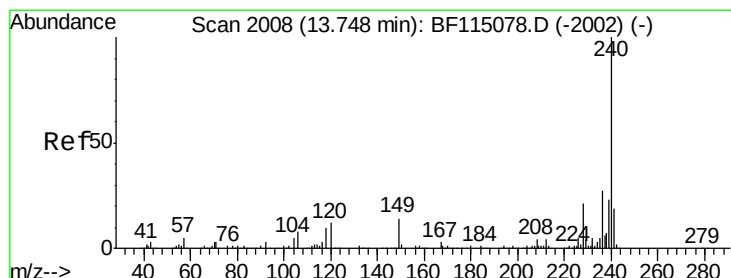
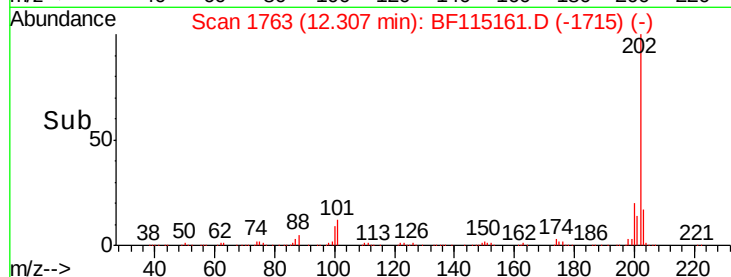
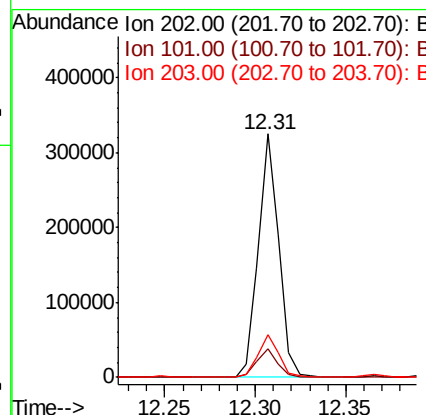
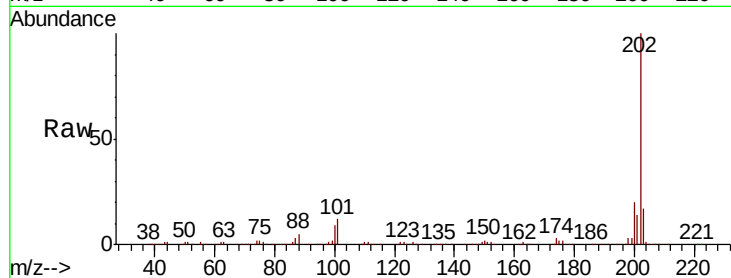




#75
Fluoranthene
Concen: 4.189 ng
RT: 12.31 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BF115161.D
Acq: 24 Jun 2019 21:41

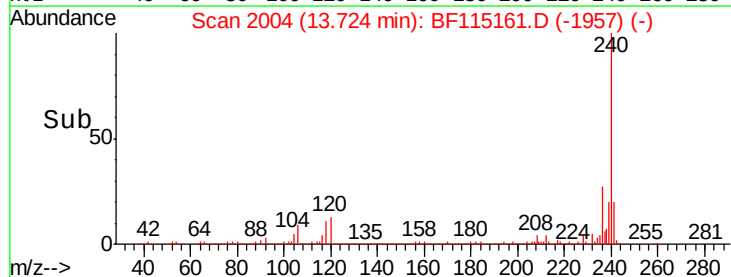
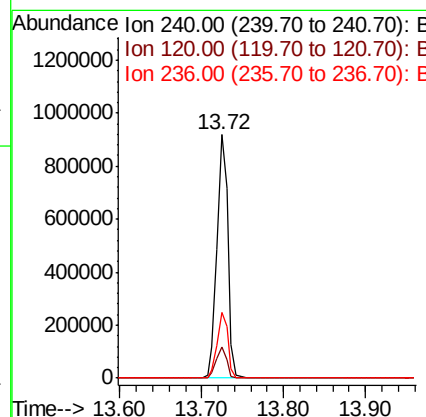
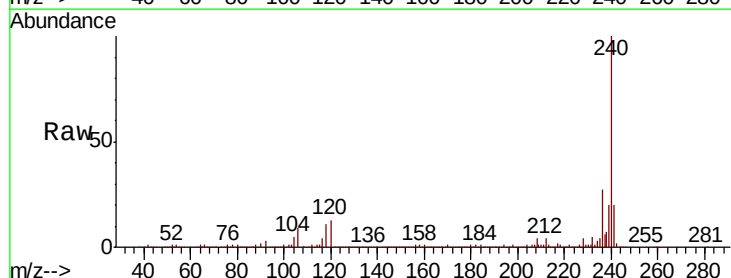
Instrument :
BNA_F
ClientSampleId :
TP-2

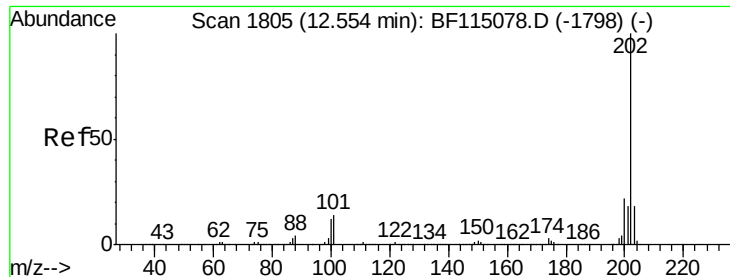
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.0
203	17.5	0.0	38.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.72 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF115161.D
Acq: 24 Jun 2019 21:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.4	14.2
236	26.9	21.7	32.5

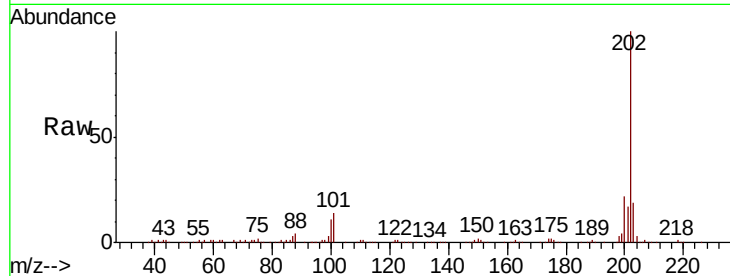




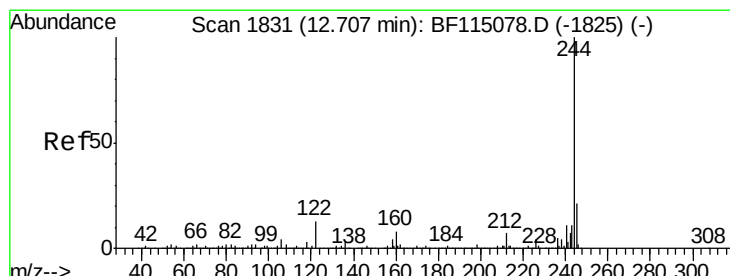
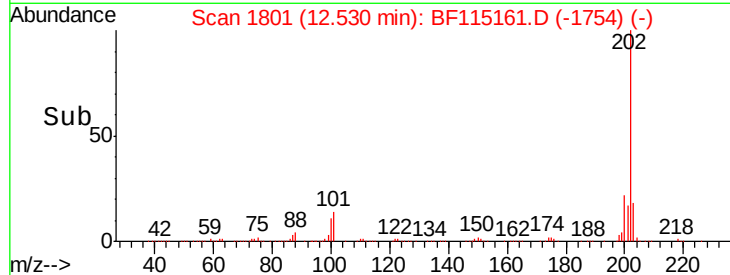
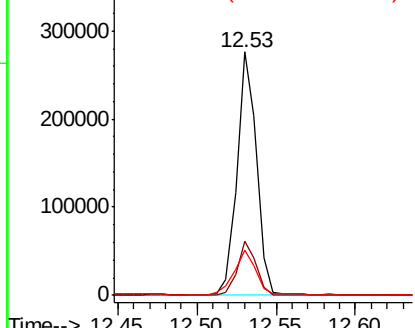
#78
Pvrene
Concen: 3.591 ng
RT: 12.53 min Scan# 1801
Delta R.T. -0.02 min
Lab File: BF115161.D
Acq: 24 Jun 2019 21:41

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.9	26.9
203	18.6	14.6	21.8

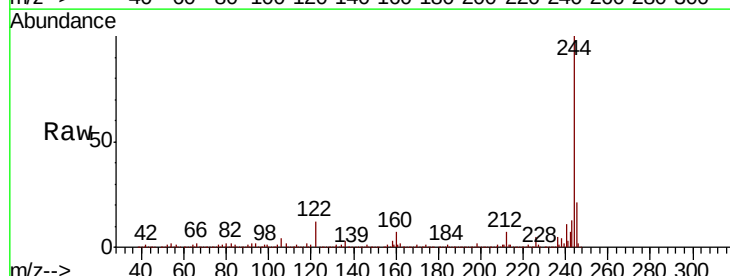


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

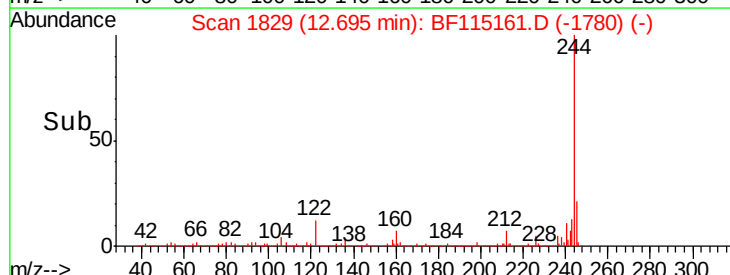
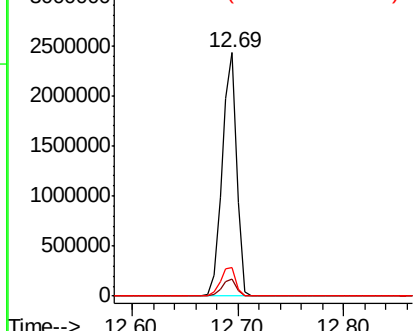


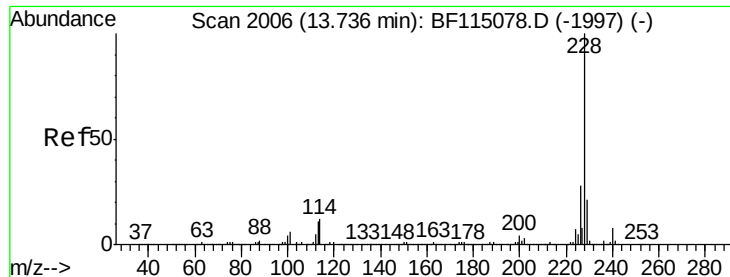
#79
Terphenyl-d14
Concen: 58.512 ng
RT: 12.69 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115161.D
Acq: 24 Jun 2019 21:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	11.8	10.4	15.6



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

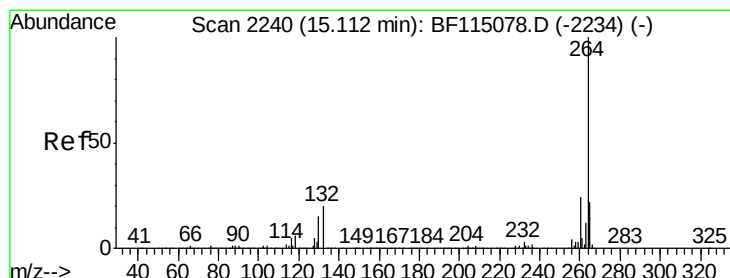
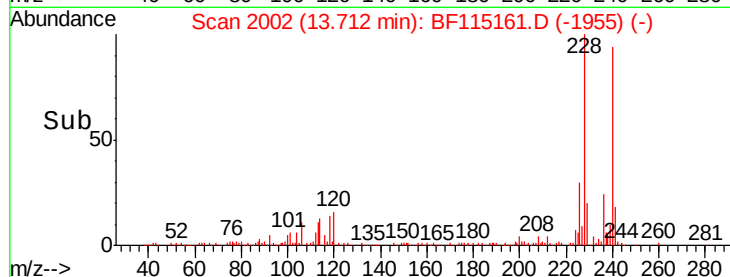
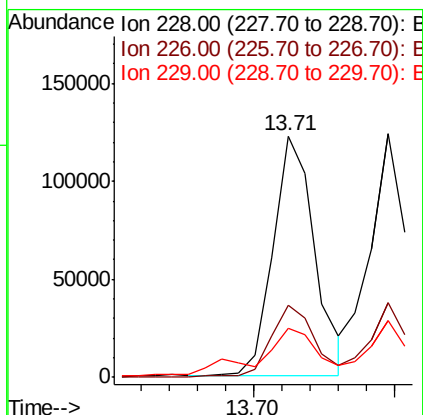
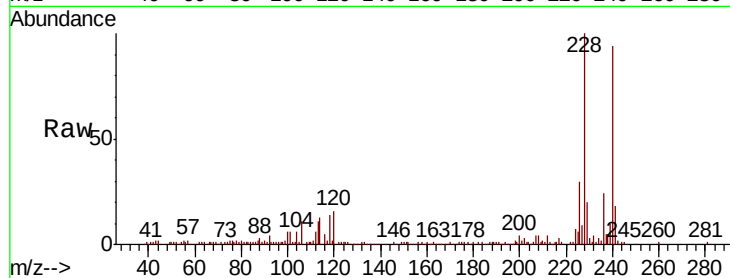




#81
Benzo(a)anthracene
Concen: 2.063 ng
RT: 13.71 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF115161.D
Acq: 24 Jun 2019 21:41

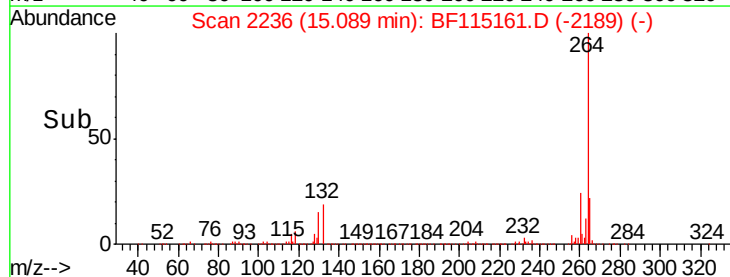
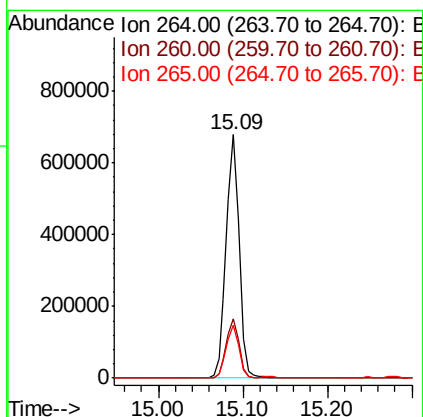
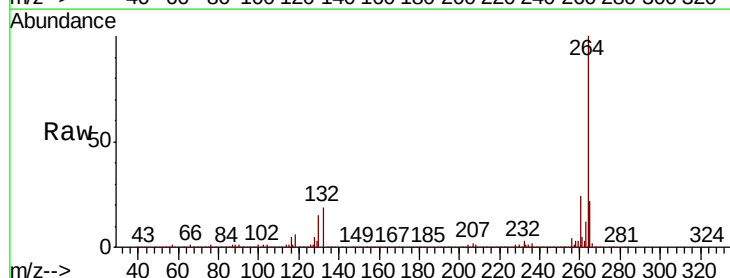
Instrument :
BNA_F
ClientSampleId :
TP-2

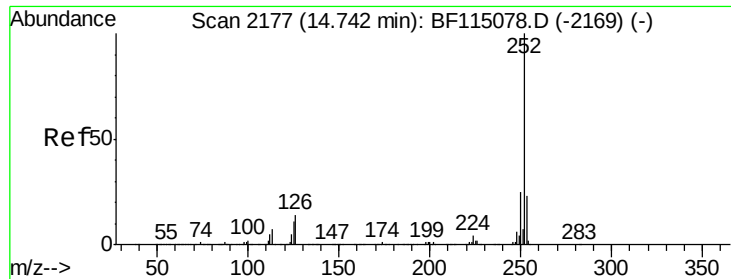
Tot Ion:228 Resp: 126039
Ion Ratio Lower Upper
228 100
226 29.7 22.5 33.7
229 20.3 16.6 24.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.09 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF115161.D
Acq: 24 Jun 2019 21:41

Tgt Ion:264 Resp: 729424
Ion Ratio Lower Upper
264 100
260 24.4 19.6 29.4
265 21.7 17.3 25.9

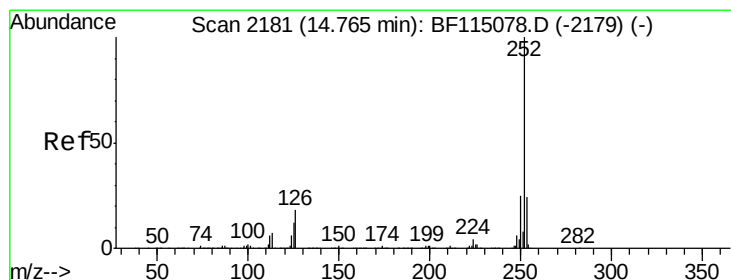
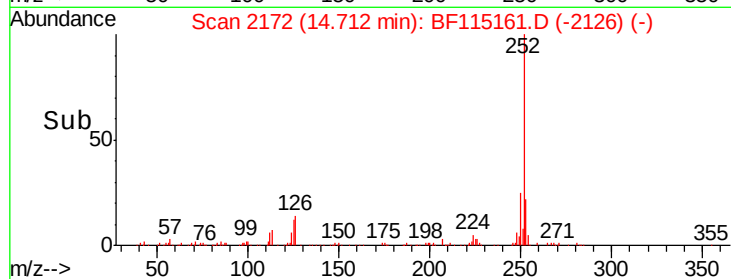
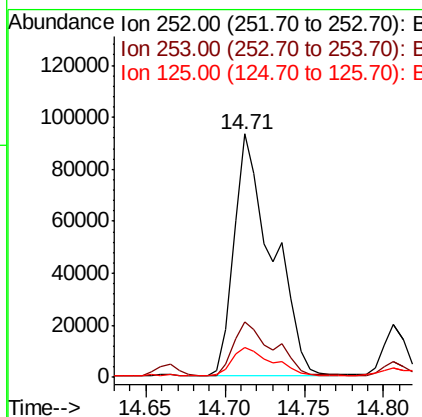
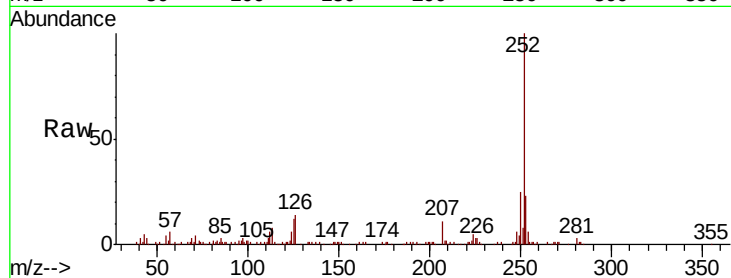




#88
Benzo(b)fluoranthene
Concen: 3.424 ng
RT: 14.71 min Scan# 2172
Delta R.T. -0.03 min
Lab File: BF115161.D
Acq: 24 Jun 2019 21:41

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	12.4	8.7	13.1



#89
Benzo(k)fluoranthene
Concen: 3.818 ng
RT: 14.71 min Scan# 2172
Delta R.T. -0.05 min
Lab File: BF115161.D
Acq: 24 Jun 2019 21:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.9	28.3
125	12.4	10.2	15.2

