

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
 Data File : BF115361.D
 Acq On : 2 Jul 2019 16:00
 Operator : HP/JU
 Sample : K3606-02DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 02 16:26:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 02 12:02:54 2019
 Response via : Initial Calibration

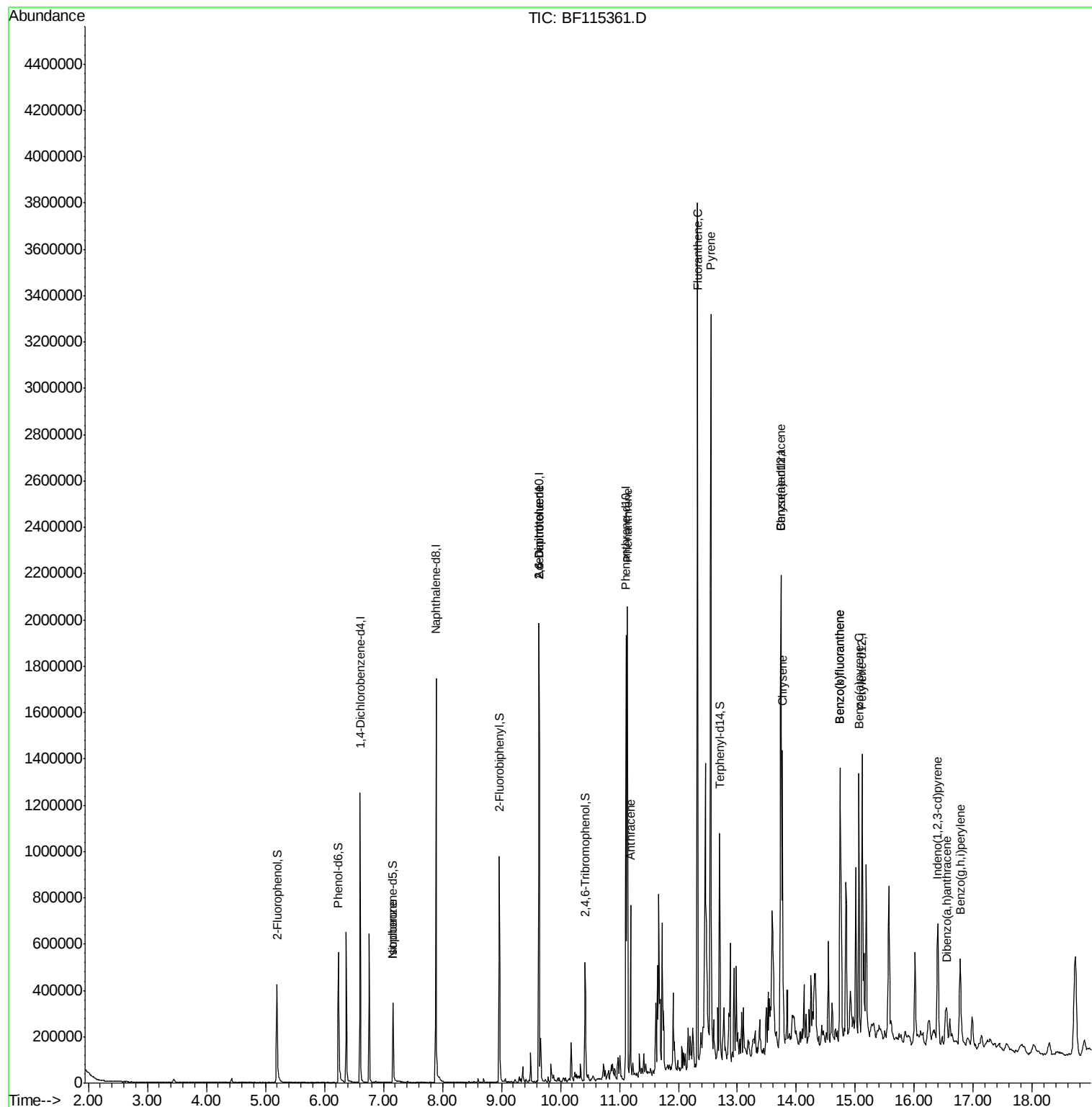
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	192747	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	779020	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	388667	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	763817	20.00	ng	0.00
76) Chrysene-d12	13.74	240	446114	20.00	ng	0.01
87) Perylene-d12	15.12	264	503963	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	172377	13.80	ng	0.00
7) Phenol-d6	6.24	99	232370	15.33	ng	-0.01
23) Nitrobenzene-d5	7.16	82	128771	10.17	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	59055	14.41	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	295393	12.91	ng	0.00
79) Terphenyl-d14	12.70	244	313039	14.92	ng	0.01
Target Compounds						
25) Isophorone	7.16	82	126347	4.870	ng	# 63
51) 2,6-Dinitrotoluene	9.64	165	49484	7.496	ng	# 30
57) 2,4-Dinitrotoluene	9.64	165	49484	5.805	ng	# 27
58) Fluorene	10.18	166	45890	Below Cal		100
71) Phenanthrene	11.14	178	791757	19.252	ng	98
72) Anthracene	11.19	178	270994	6.528	ng	96
75) Fluoranthene	12.32	202	1437317	35.029	ng	100
78) Pyrene	12.55	202	1399561	40.822	ng	98
81) Benzo(a)anthracene	13.74	228	582876	18.209	ng	99
83) Chrysene	13.77	228	505238	17.231	ng	97
86) Indeno(1,2,3-cd)pyrene	16.39	276	313840	9.045	ng	95
88) Benzo(b)fluoranthene	14.74	252	808739	25.718	ng	98
89) Benzo(k)fluoranthene	14.74	252	808739	28.679	ng	97
90) Benzo(a)pyrene	15.07	252	494211	17.437	ng	98
91) Dibenzo(a,h)anthracene	16.55	278	70930	2.681	ng	97
92) Benzo(g,h,i)perylene	16.78	276	283939	10.603	ng	100

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

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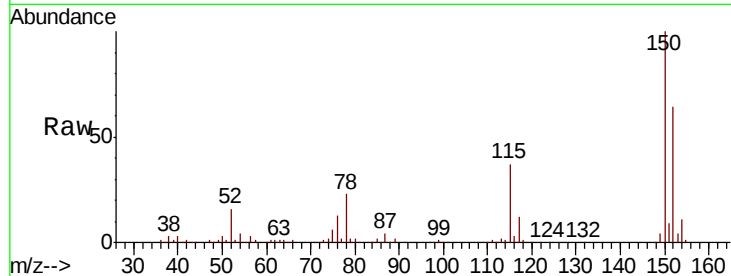


#1

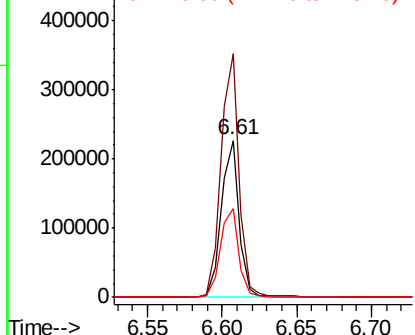
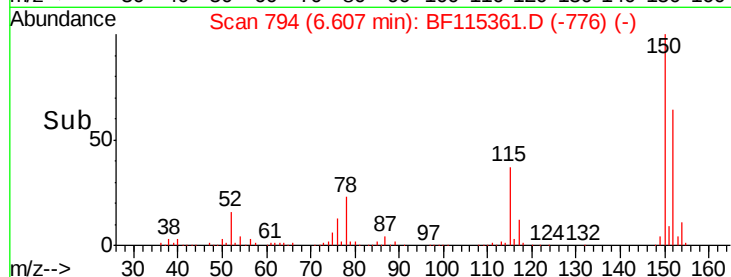
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF115361.D
Acq: 2 Jul 2019 16:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 192747
Ion Ratio Lower Upper
152 100
150 155.4 125.2 187.8
115 57.0 48.2 72.2



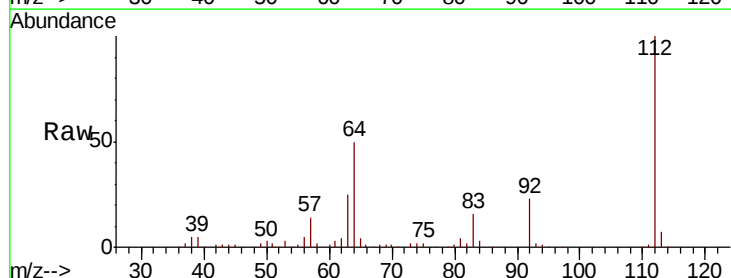
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



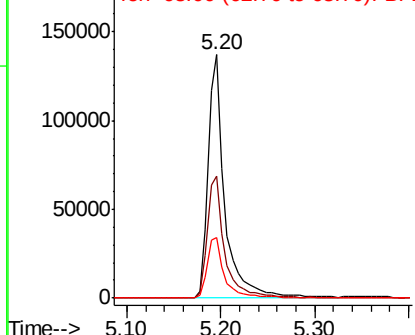
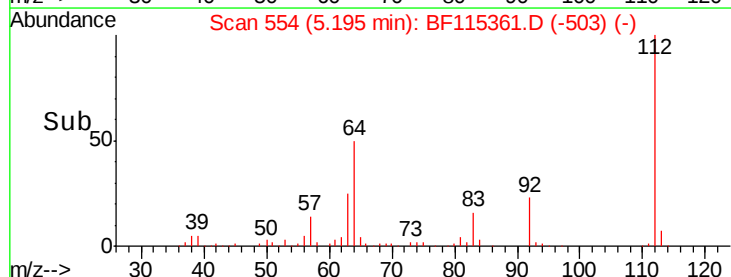
#5

2-Fluorophenol
Concen: 13.801 ng
RT: 5.20 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF115361.D
Acq: 2 Jul 2019 16:00

Tgt Ion:112 Resp: 172377
Ion Ratio Lower Upper
112 100
64 50.3 44.2 66.2
63 24.9 22.3 33.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 15.328 ng

RT: 6.24 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF115361.D

Acq: 2 Jul 2019 16:00

Instrument :

BNA_F

ClientSampled :

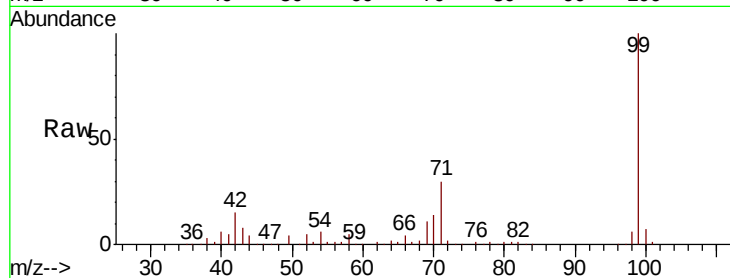
Tot Ion: 99 Resp: 232370

Ion Ratio Lower Upper

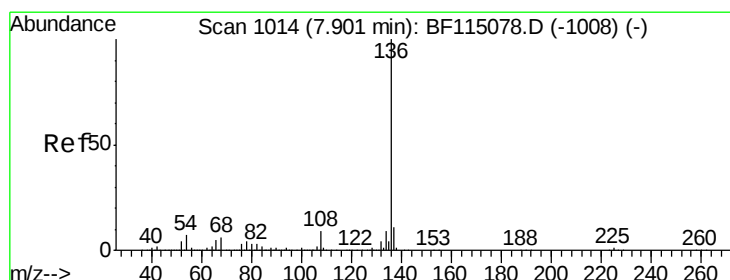
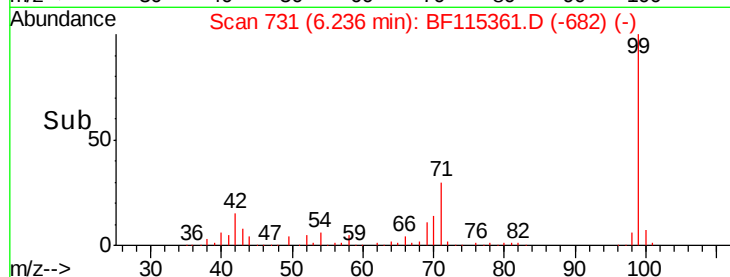
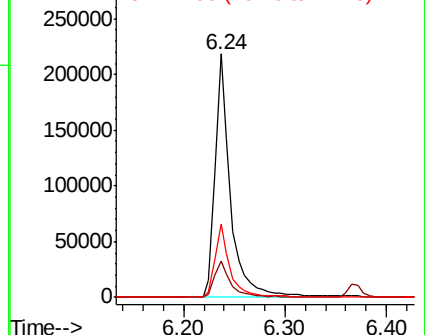
99 100

42 15.2 13.4 20.2

71 30.2 25.4 38.2



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BF115361.D

Acq: 2 Jul 2019 16:00

Tgt Ion: 136 Resp: 779020

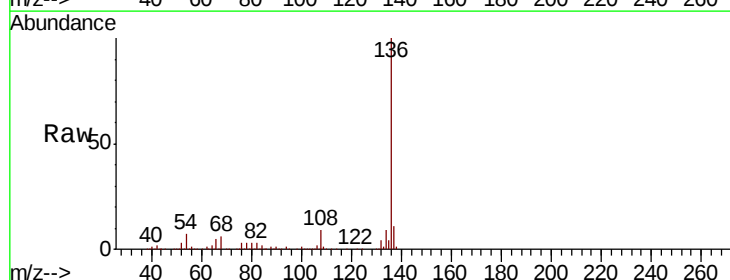
Ion Ratio Lower Upper

136 100

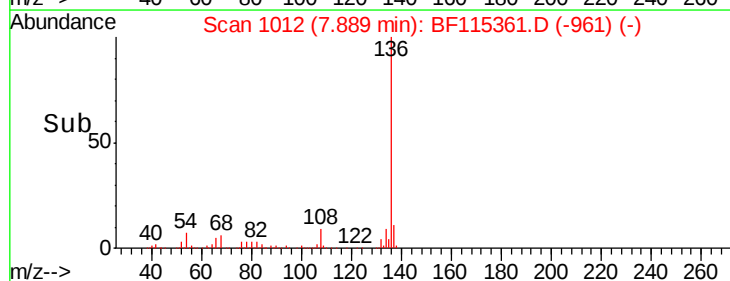
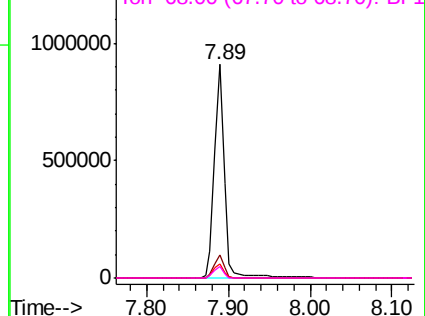
137 11.0 8.9 13.3

54 6.6 5.1 7.7

68 5.7 4.3 6.5



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

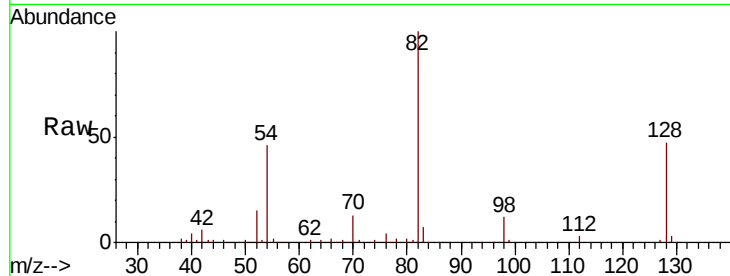




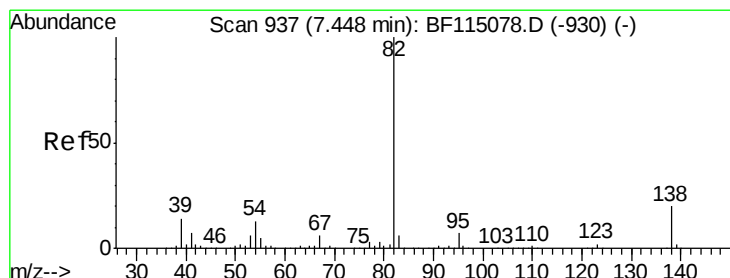
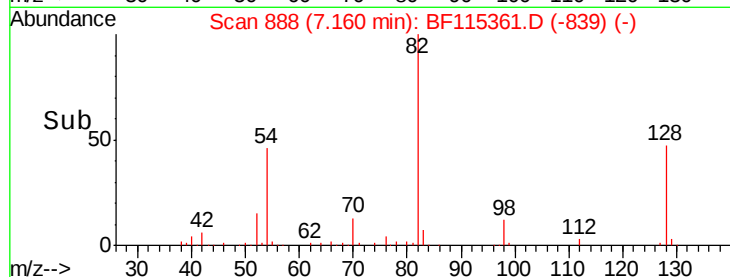
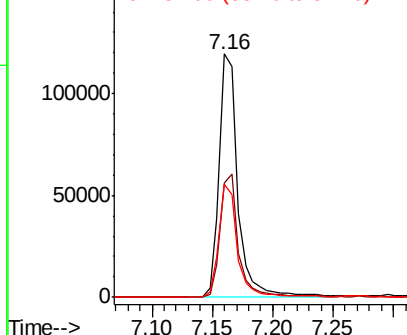
#23
Nitrobenzene-d5
Concen: 10.168 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115361.D
Acq: 2 Jul 2019 16:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 128771
Ion Ratio Lower Upper
82 100
128 47.1 40.8 61.2
54 46.3 37.0 55.4

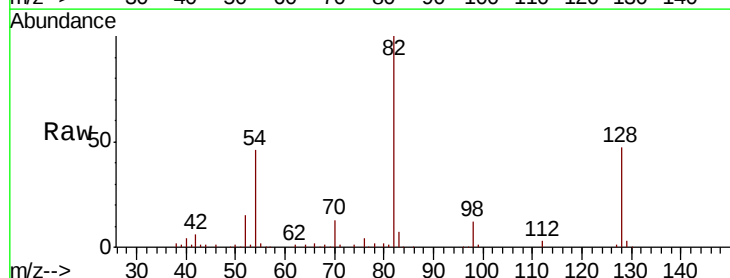


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

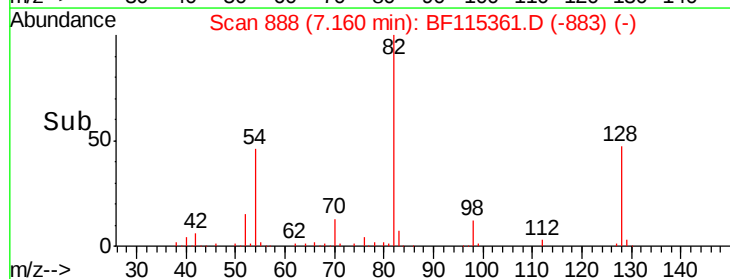
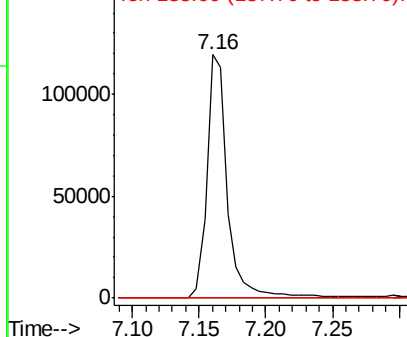


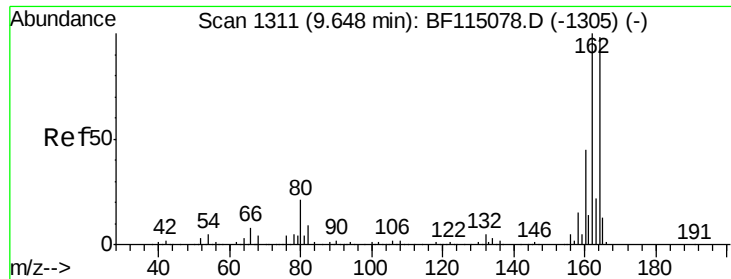
#25
Isophorone
Concen: 4.870 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.27 min
Lab File: BF115361.D
Acq: 2 Jul 2019 16:00

Tgt Ion: 82 Resp: 126347
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.4 23.2#



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

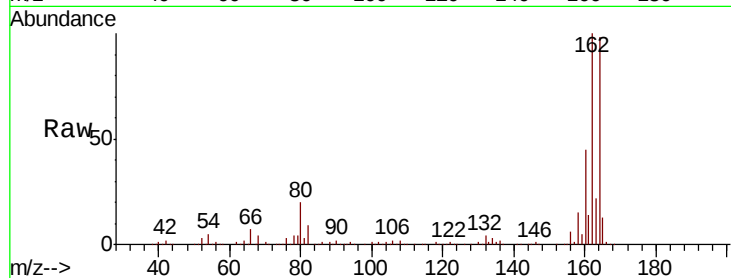




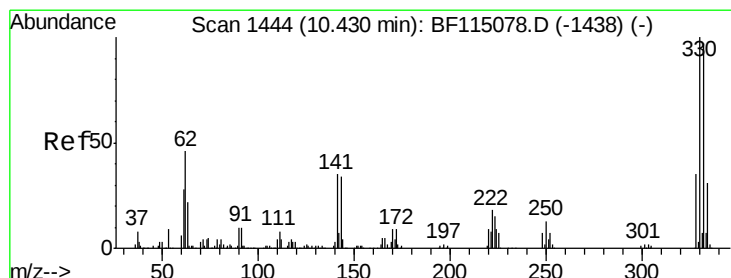
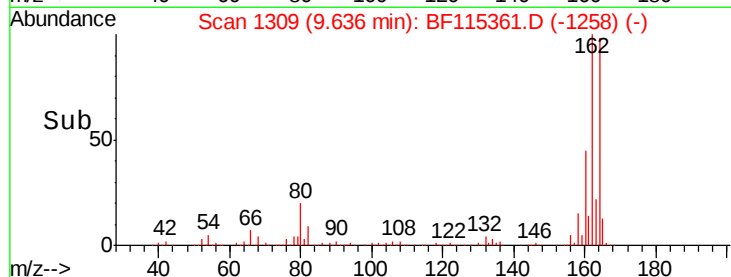
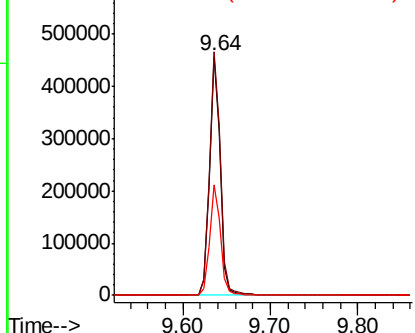
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BF115361.D
Acq: 2 Jul 2019 16:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 388667
Ion Ratio Lower Upper
164 100
162 101.9 82.0 123.0
160 46.1 37.0 55.6

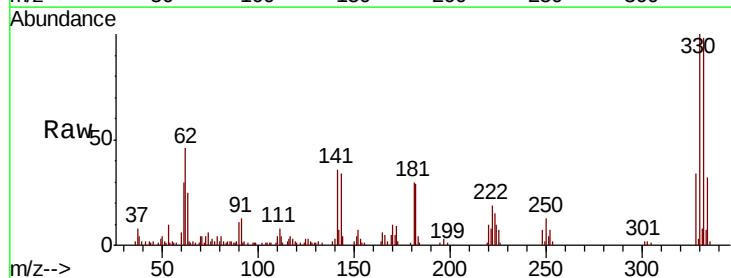


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

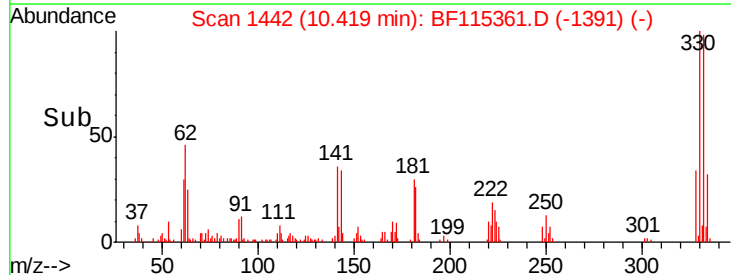
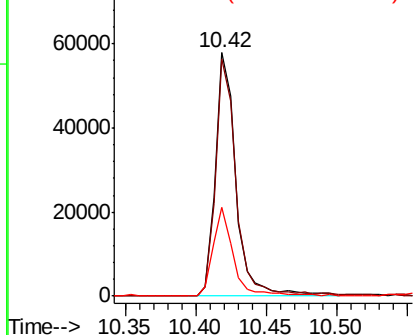


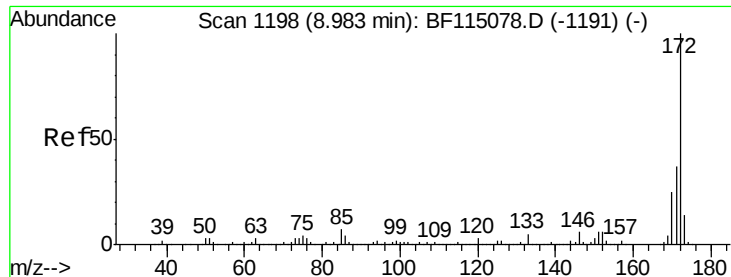
#42
2,4,6-Tribromophenol
Concen: 14.408 ng
RT: 10.42 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BF115361.D
Acq: 2 Jul 2019 16:00

Tgt Ion:330 Resp: 59055
Ion Ratio Lower Upper
330 100
332 98.6 77.0 115.6
141 35.6 25.4 38.2



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

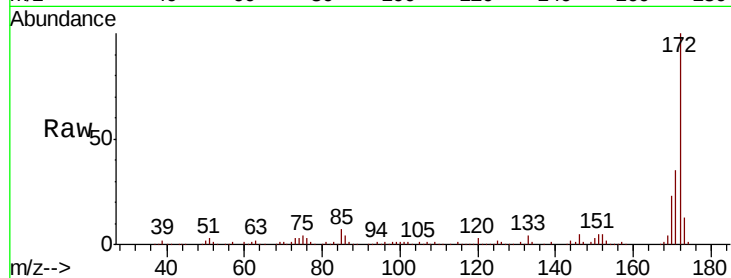




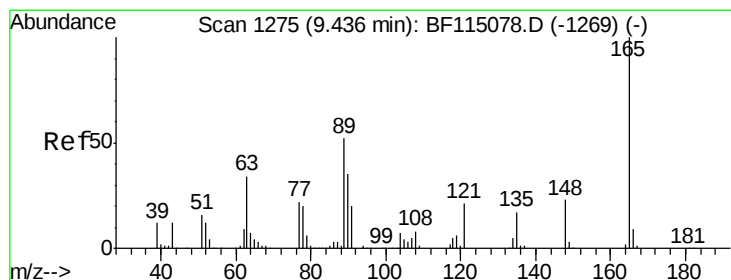
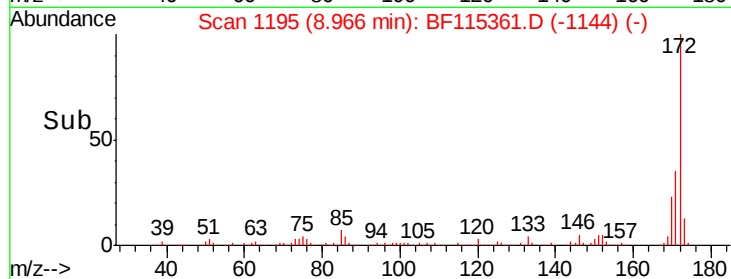
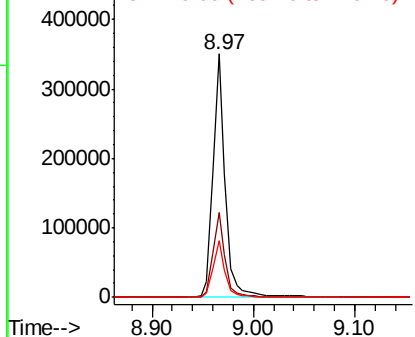
#45
 2-Fluorobiphenyl
 Concen: 12.910 ng
 RT: 8.97 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: BF115361.D
 Acq: 2 Jul 2019 16:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.8	44.8
170	23.4	20.2	30.4

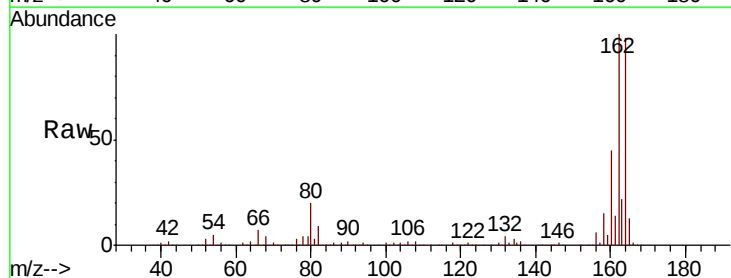


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

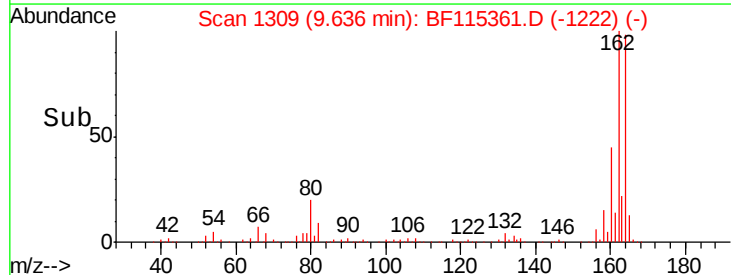
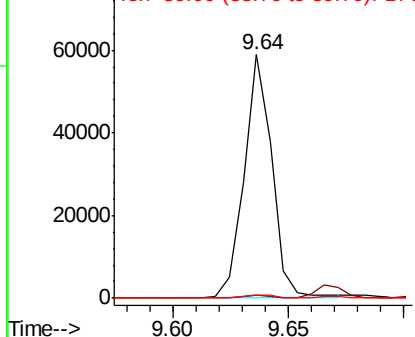


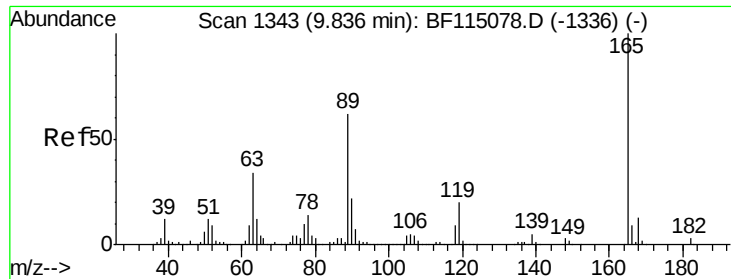
#51
 2,6-Dinitrotoluene
 Concen: 7.496 ng
 RT: 9.64 min Scan# 1309
 Delta R.T. 0.21 min
 Lab File: BF115361.D
 Acq: 2 Jul 2019 16:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	37.0	55.4#
89	1.4	40.4	60.6#



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

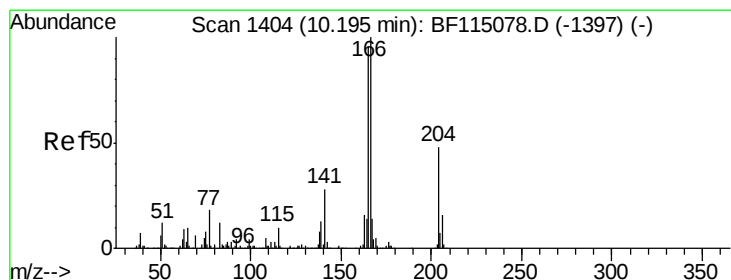
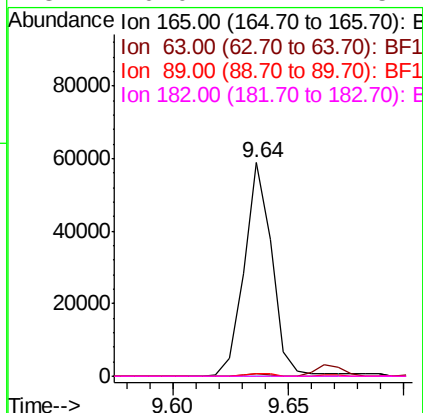
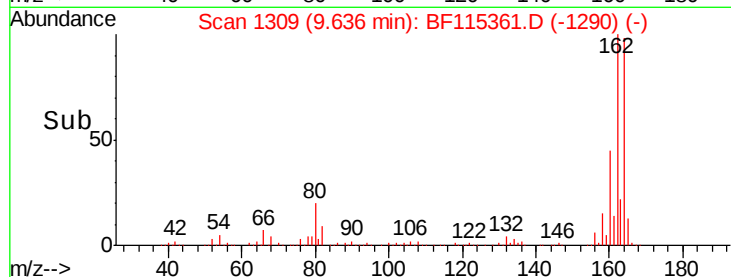
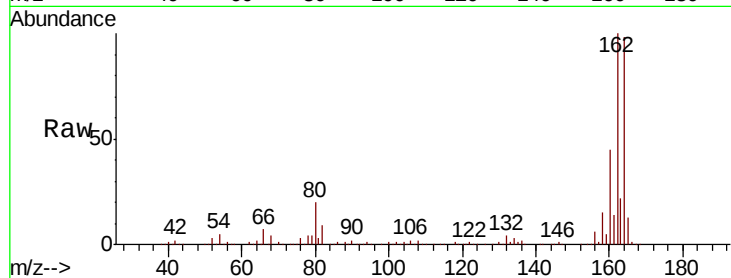




#57
2,4-Dinitrotoluene
Concen: 5.805 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.19 min
Lab File: BF115361.D
Acq: 2 Jul 2019 16:00

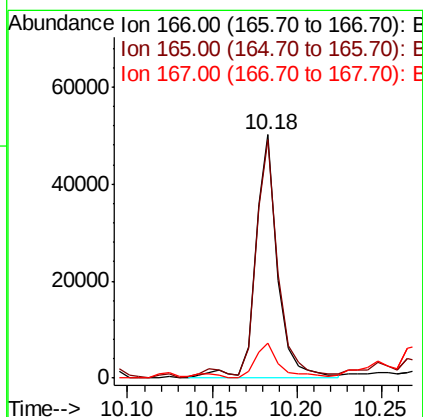
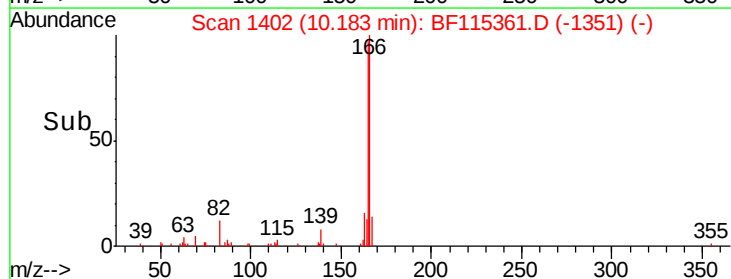
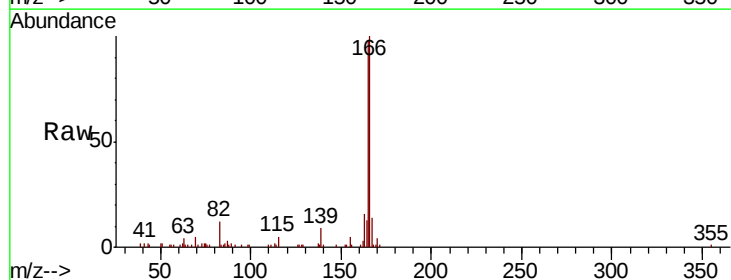
Instrument :
BNA_F
ClientSampleId :

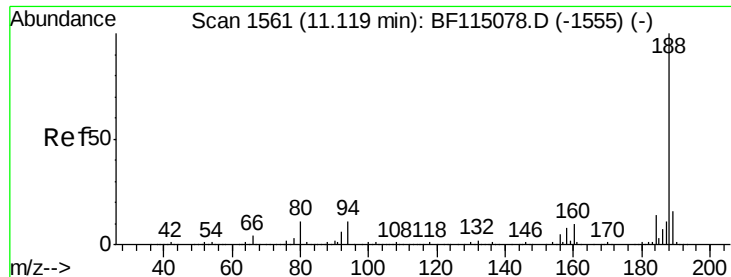
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	31.2	46.8#
89	1.4	52.8	79.2#
182	0.0	2.2	3.2#



#58
Fluorene
Concen: Below Cal
RT: 10.18 min Scan# 1402
Delta R.T. -0.00 min
Lab File: BF115361.D
Acq: 2 Jul 2019 16:00

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.5	117.7
167	14.1	10.5	15.7

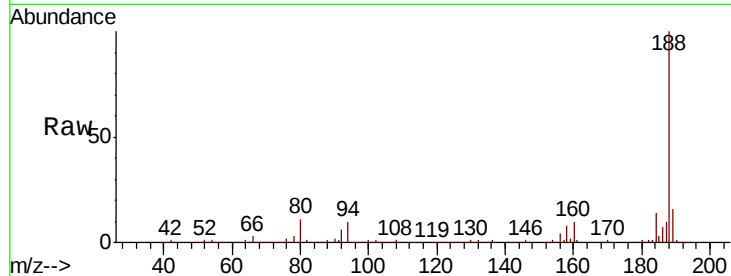




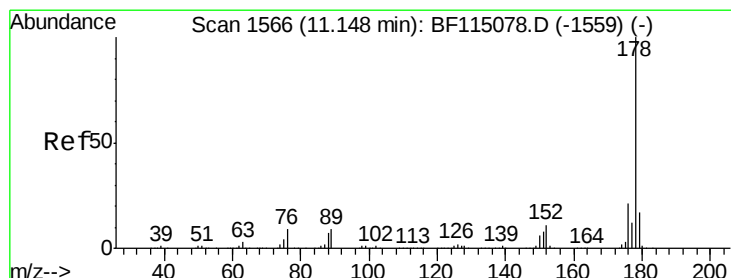
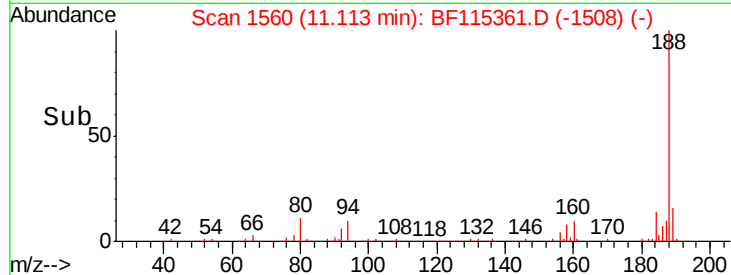
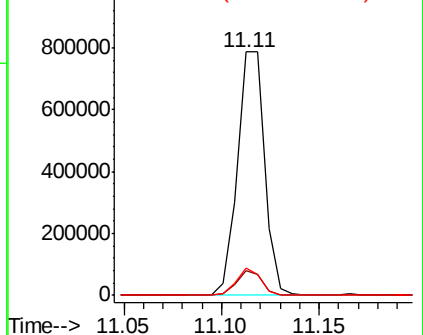
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.11 min Scan# 1560
 Delta R.T. 0.01 min
 Lab File: BF115361.D
 Acq: 2 Jul 2019 16:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 763817
 Ion Ratio Lower Upper
 188 100
 94 10.3 7.6 11.4
 80 11.0 7.9 11.9

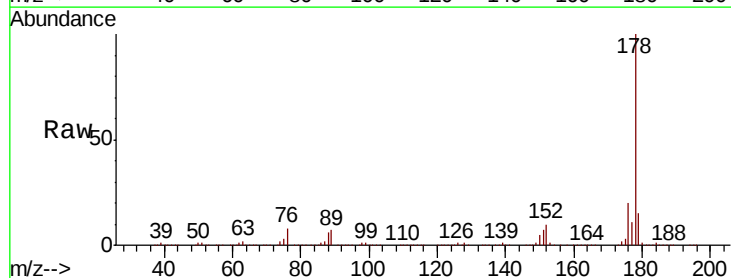


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

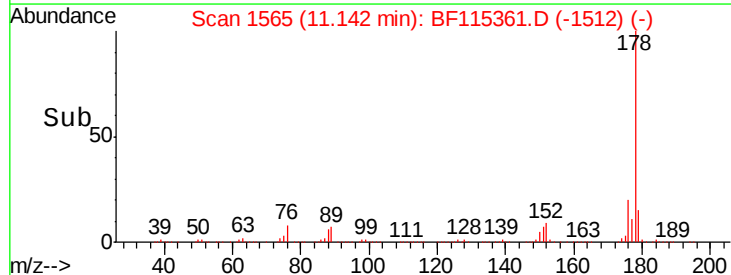
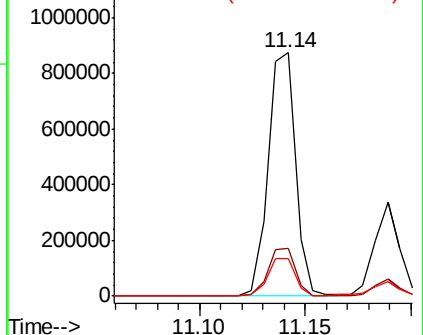


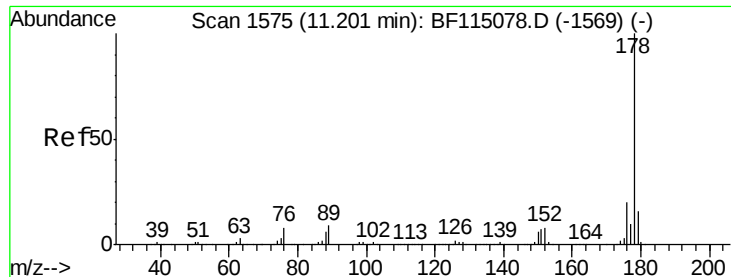
#71
 Phenanthrene
 Concen: 19.252 ng
 RT: 11.14 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: BF115361.D
 Acq: 2 Jul 2019 16:00

Tgt Ion:178 Resp: 791757
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.4 24.6
 179 15.3 13.1 19.7



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

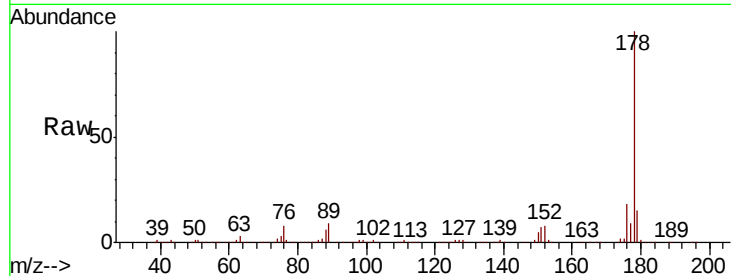




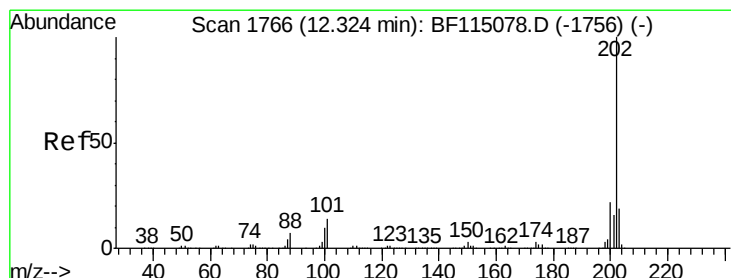
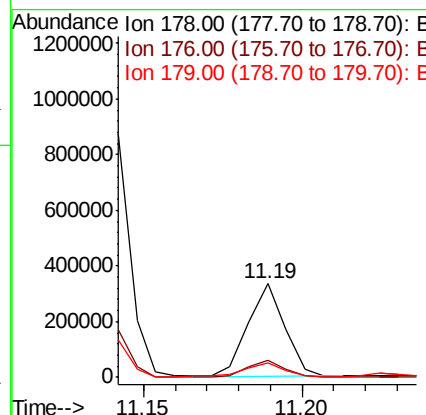
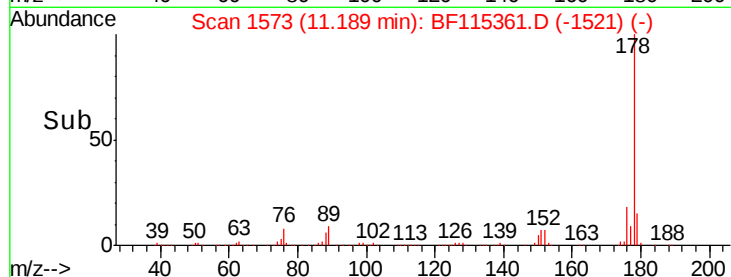
#72
 Anthracene
 Concen: 6.528 ng
 RT: 11.19 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF115361.D
 Acq: 2 Jul 2019 16:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 270994
 Ion Ratio Lower Upper
 178 100
 176 18.0 16.2 24.4
 179 15.4 13.2 19.8

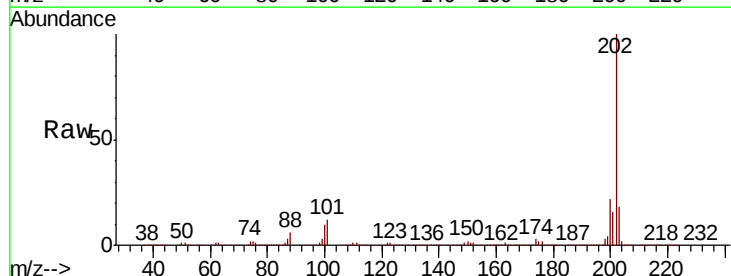


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

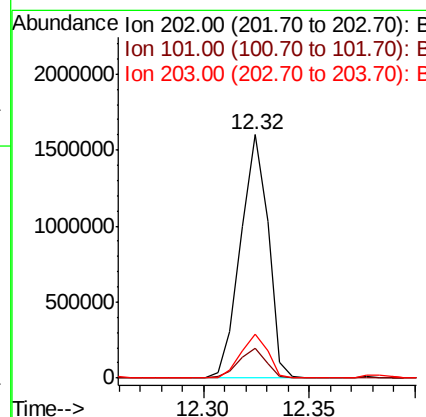
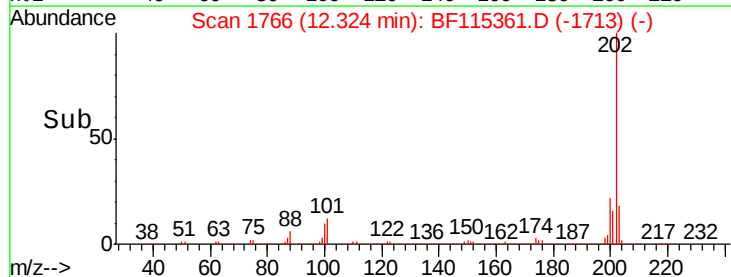


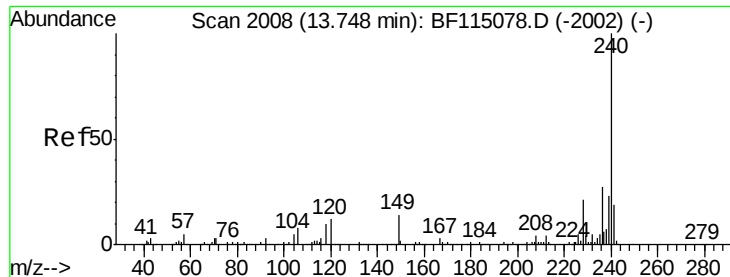
#75
 Fluoranthene
 Concen: 35.029 ng
 RT: 12.32 min Scan# 1766
 Delta R.T. 0.01 min
 Lab File: BF115361.D
 Acq: 2 Jul 2019 16:00

Tgt Ion:202 Resp: 1437317
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 32.6
 203 18.3 0.0 38.2



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: 13.74 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF115361.D

Acq: 2 Jul 2019 16:00

Instrument :

BNA_F

ClientSampleId :

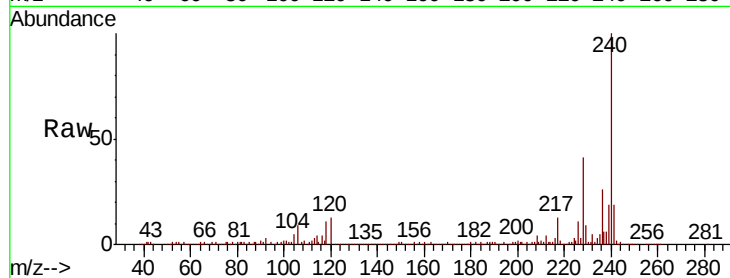
Tot Ion:240 Resp: 446114

Ion Ratio Lower Upper

240 100

120 12.5 10.8 16.2

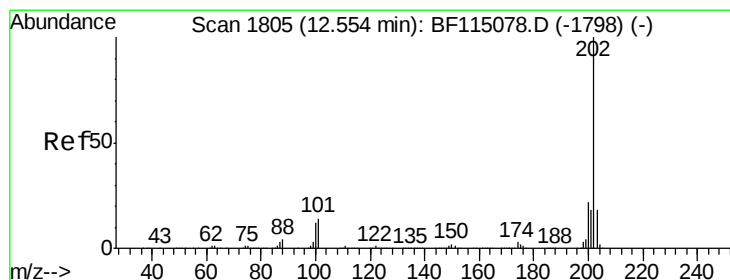
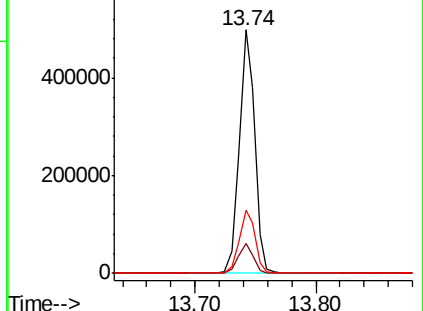
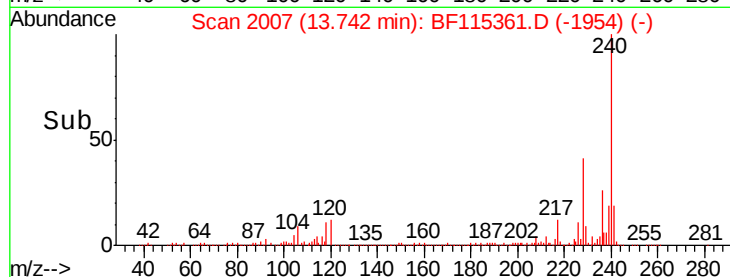
236 26.1 21.8 32.8



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

Pyrene

Concen: 40.822 ng

RT: 12.55 min Scan# 1805

Delta R.T. 0.02 min

Lab File: BF115361.D

Acq: 2 Jul 2019 16:00

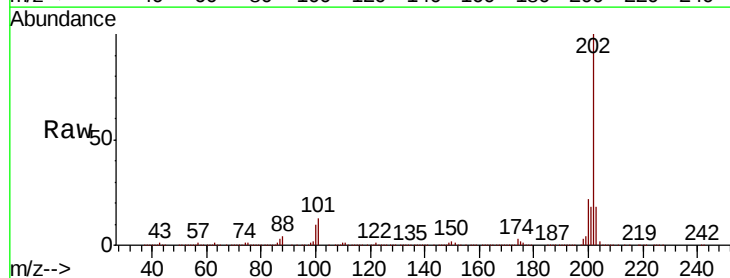
Tgt Ion:202 Resp: 1399561

Ion Ratio Lower Upper

202 100

200 21.7 18.3 27.5

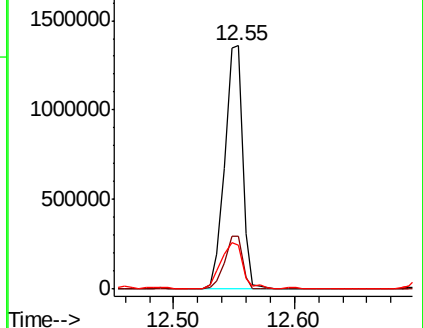
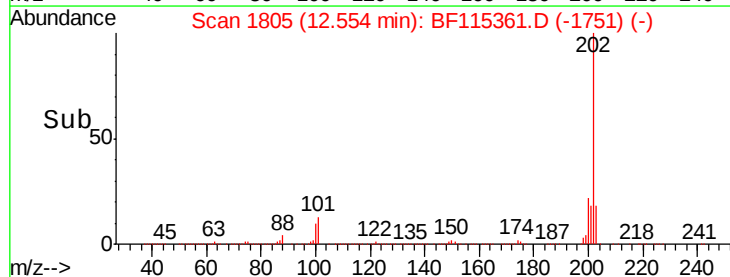
203 18.1 15.0 22.4

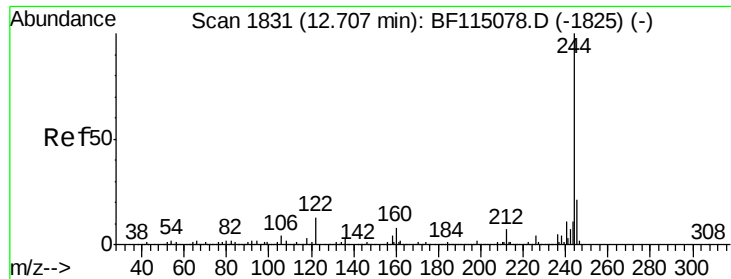


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 14.919 ng

RT: 12.70 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BF115361.D

Acq: 2 Jul 2019 16:00

Instrument :

BNA_F

ClientSampleId :

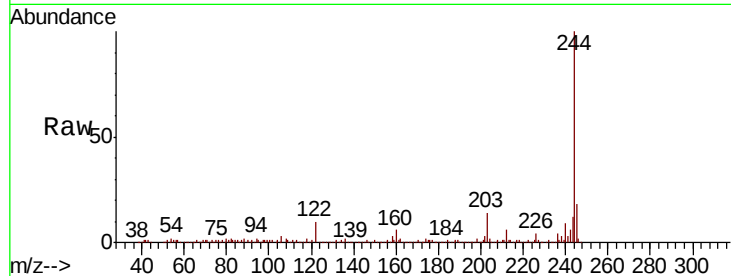
Tot Ion:244 Resp: 313039

Ion Ratio Lower Upper

244 100

212 6.0 5.7 8.5

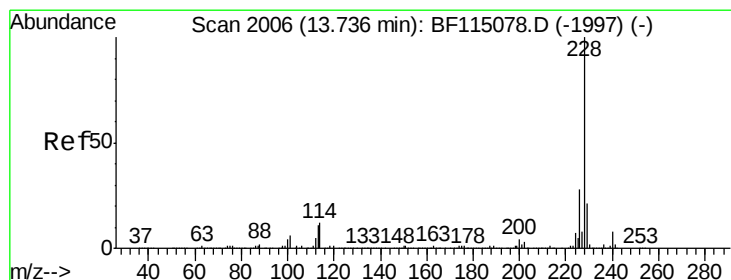
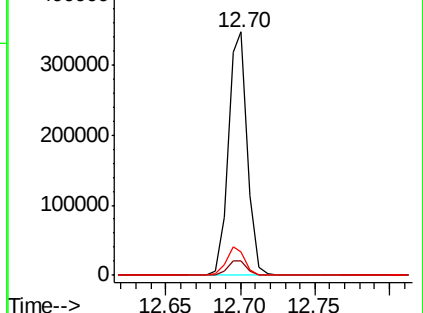
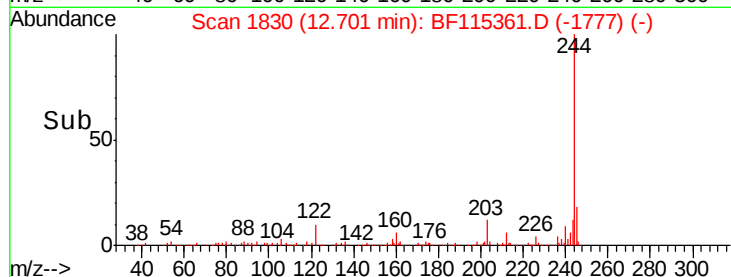
122 9.7 9.9 14.9#



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: 18.209 ng

RT: 13.74 min Scan# 2006

Delta R.T. 0.02 min

Lab File: BF115361.D

Acq: 2 Jul 2019 16:00

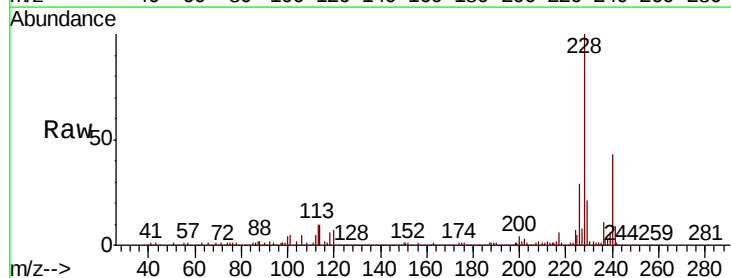
Tgt Ion:228 Resp: 582876

Ion Ratio Lower Upper

228 100

226 28.9 22.5 33.7

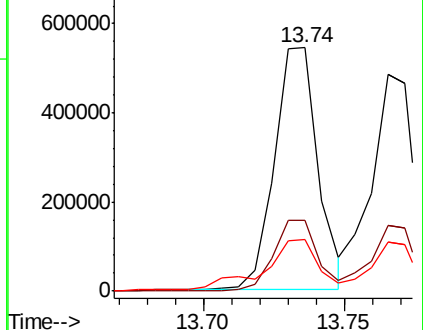
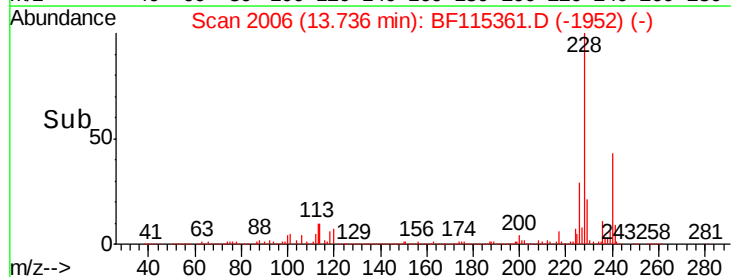
229 21.1 16.6 25.0

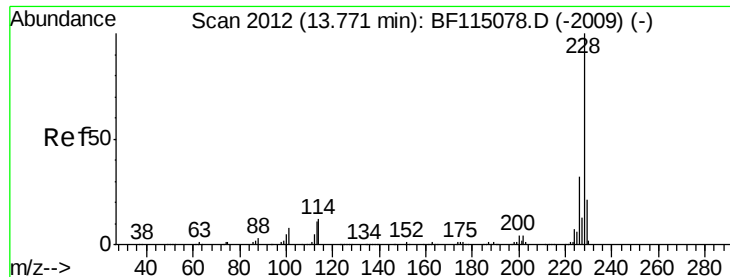


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 17.231 ng

RT: 13.77 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF115361.D

Acq: 2 Jul 2019 16:00

Instrument :

BNA_F

ClientSampleId :

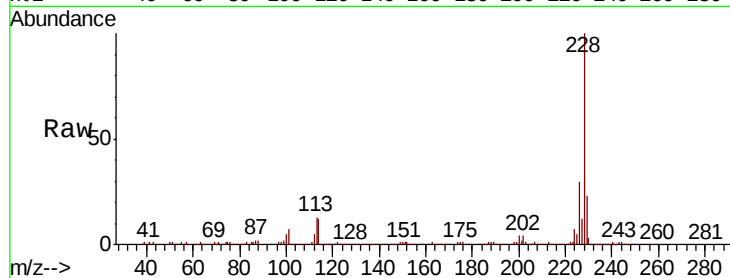
Tot Ion:228 Resp: 505238

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

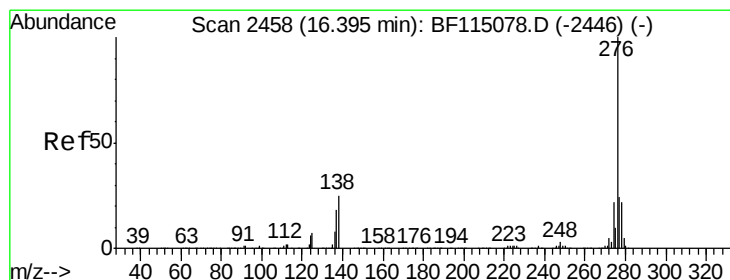
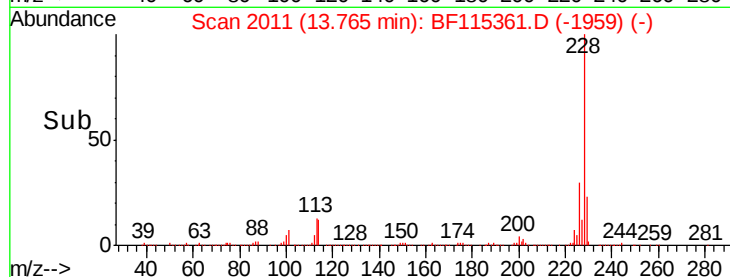
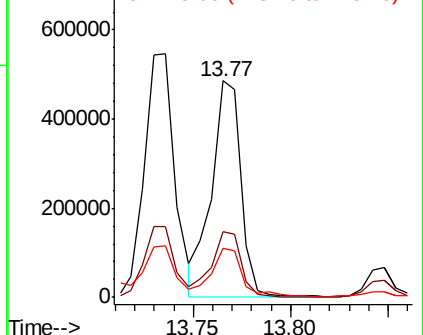
229 22.9 16.5 24.7



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 9.045 ng

RT: 16.39 min Scan# 2458

Delta R.T. 0.01 min

Lab File: BF115361.D

Acq: 2 Jul 2019 16:00

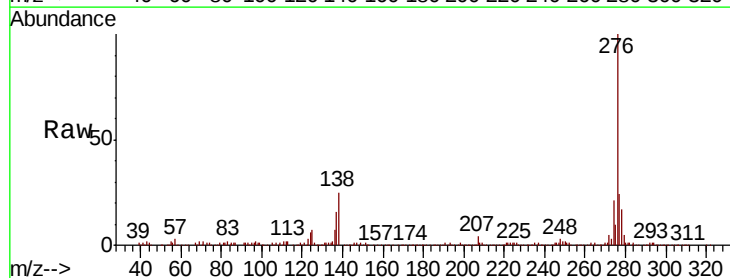
Tgt Ion:276 Resp: 313840

Ion Ratio Lower Upper

276 100

138 23.9 21.9 32.9

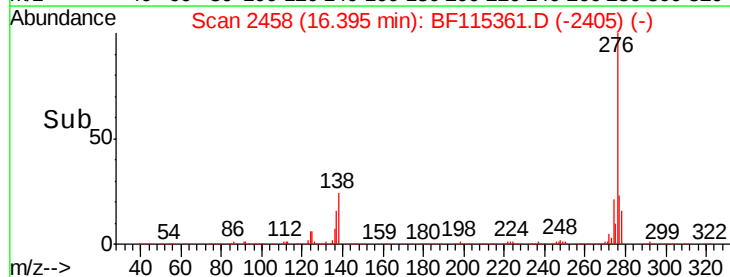
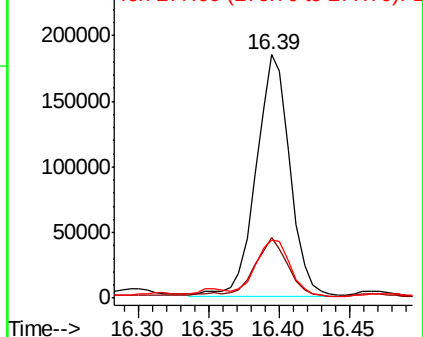
277 24.3 20.5 30.7

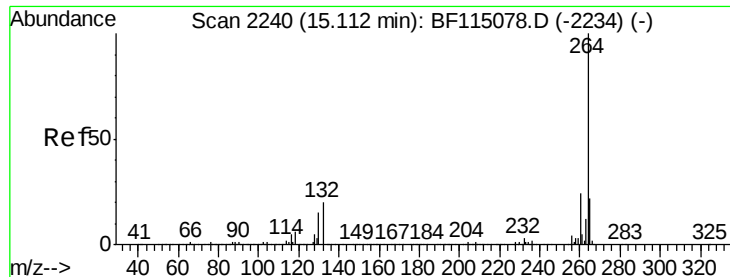


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

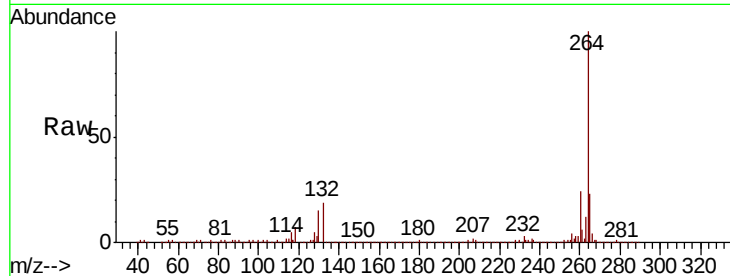




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.12 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF115361.D
Acq: 2 Jul 2019 16:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.8	18.2	27.2

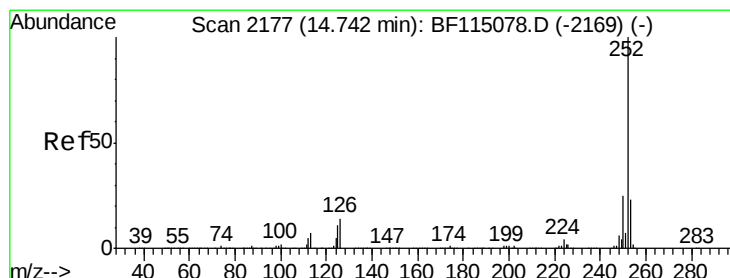
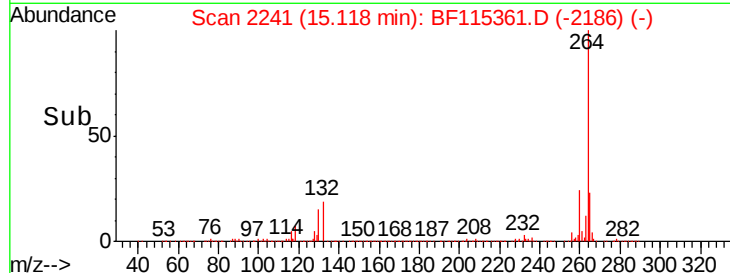
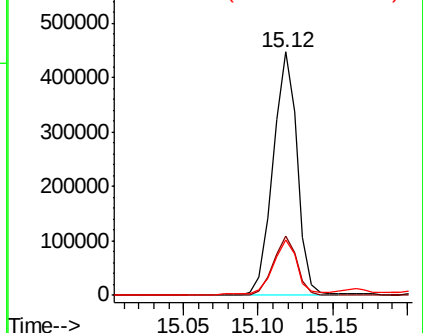


Abundance

Ion 264.00 (263.70 to 264.70): E

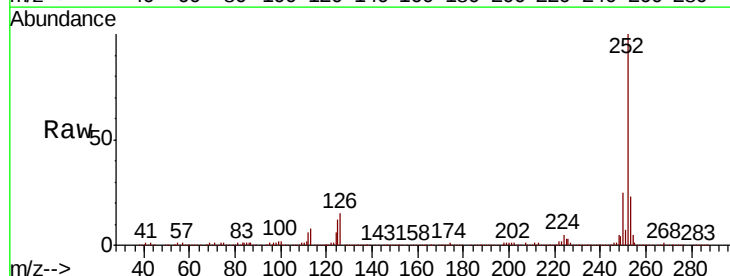
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 25.718 ng
RT: 14.74 min Scan# 2177
Delta R.T. 0.02 min
Lab File: BF115361.D
Acq: 2 Jul 2019 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	12.5	9.3	13.9

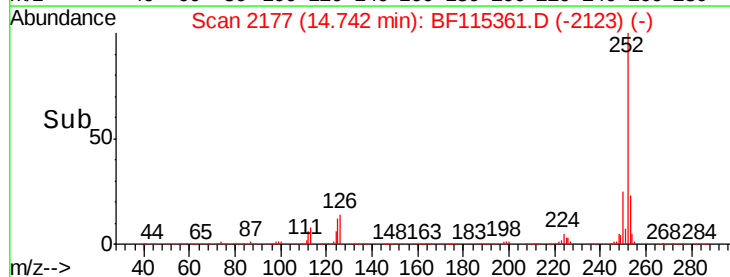
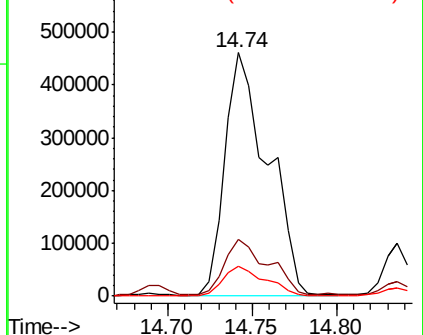


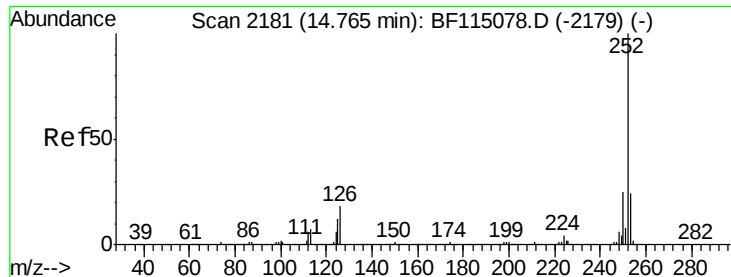
Abundance

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

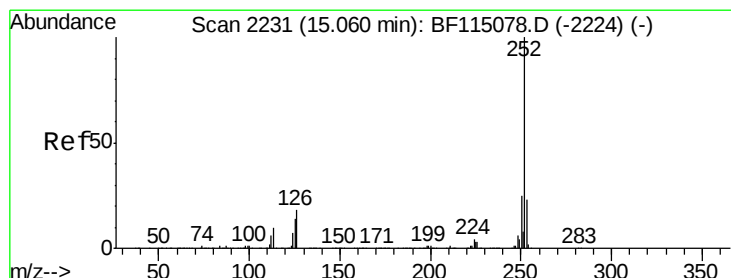
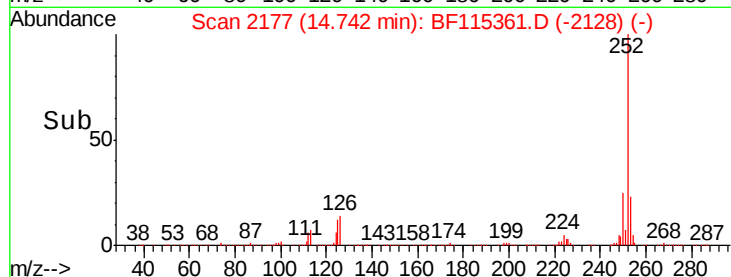
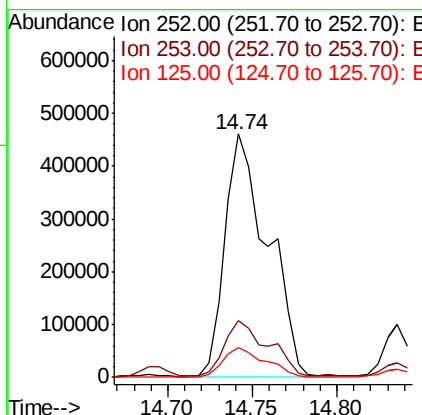
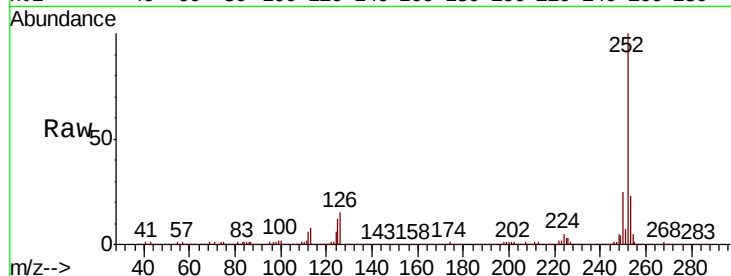




#89
Benzo(k)fluoranthene
Concen: 28.679 ng
RT: 14.74 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF115361.D
Acq: 2 Jul 2019 16:00

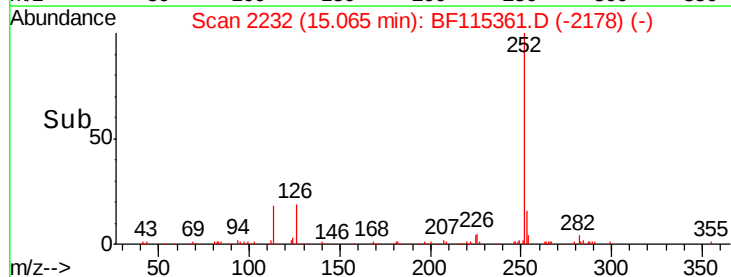
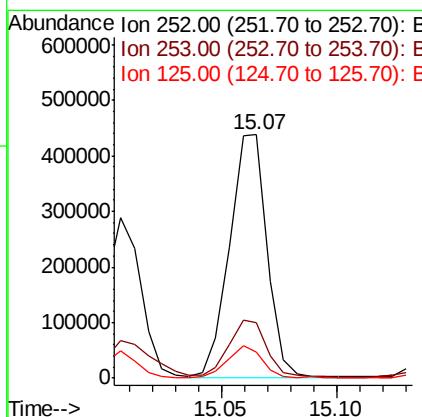
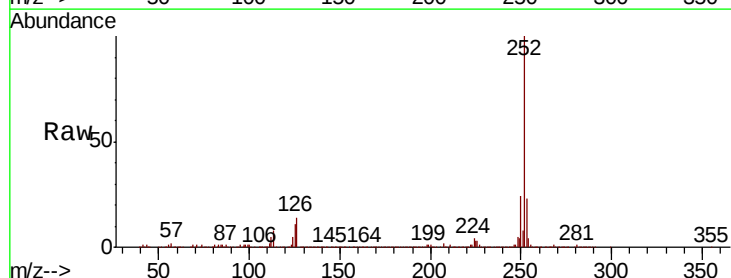
Instrument :
BNA_F
ClientSampleId :

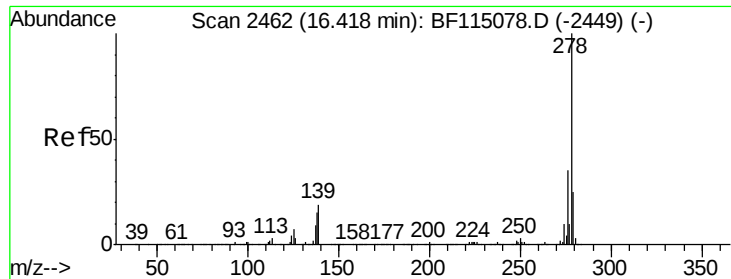
Tot Ion:252 Resp: 808739
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 12.5 8.7 13.1



#90
Benzo(a)pyrene
Concen: 17.437 ng
RT: 15.07 min Scan# 2232
Delta R.T. 0.02 min
Lab File: BF115361.D
Acq: 2 Jul 2019 16:00

Tgt Ion:252 Resp: 494211
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 10.8 9.9 14.9

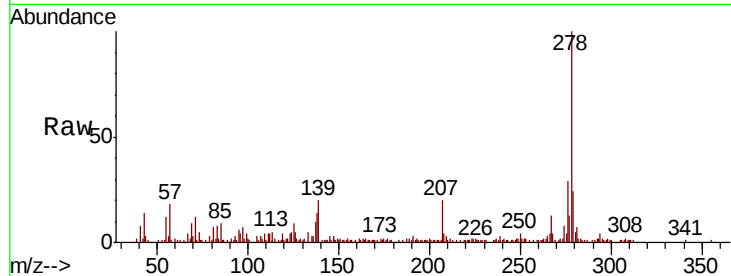




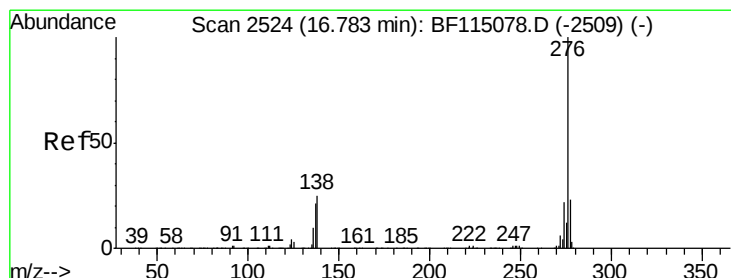
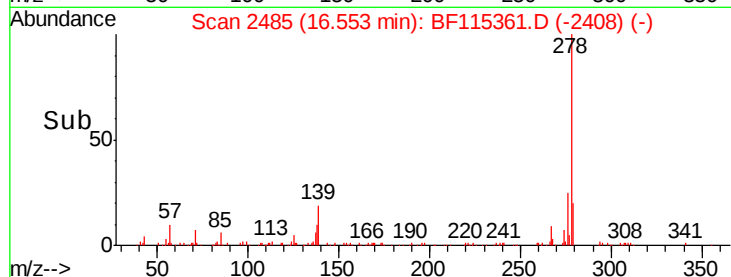
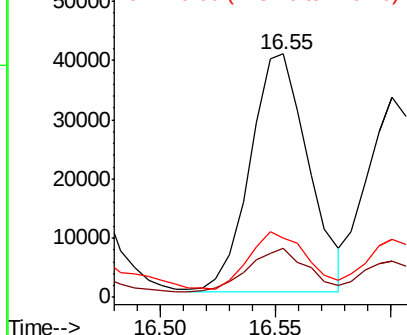
#91
Dibenzo(a,h)anthracene
Concen: 2.681 ng
RT: 16.55 min Scan# 2485
Delta R.T. 0.15 min
Lab File: BF115361.D
Acq: 2 Jul 2019 16:00

Instrument :
BNA_F
ClientSampleID :

Tot Ion:278 Resp: 70930
Ion Ratio Lower Upper
278 100
139 20.3 14.2 21.2
279 24.4 19.5 29.3

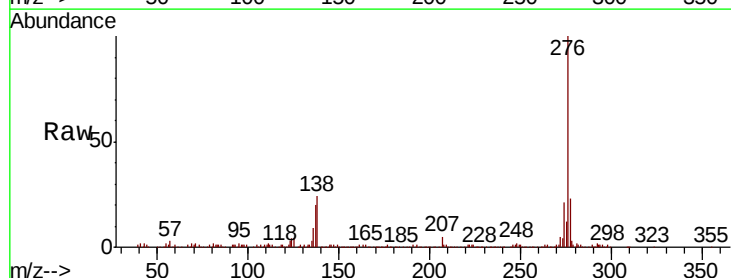


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 10.603 ng
RT: 16.78 min Scan# 2523
Delta R.T. 0.01 min
Lab File: BF115361.D
Acq: 2 Jul 2019 16:00

Tgt Ion:276 Resp: 283939
Ion Ratio Lower Upper
276 100
277 23.3 18.7 28.1
138 23.5 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

