

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121118\
 Data File : BF111302.D
 Acq On : 12 Dec 2018 3:21
 Operator : JU/SJ
 Sample : J6195-05 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-121018-A

Quant Time: Dec 12 04:33:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

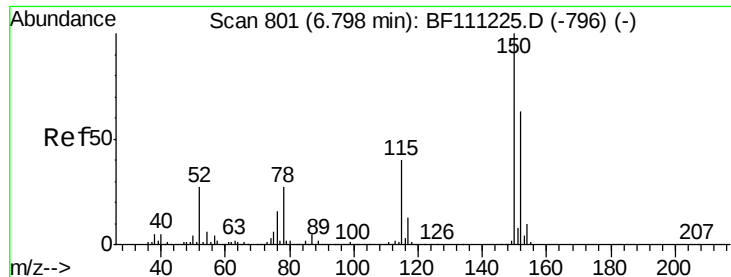
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	260340	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1030791	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	444903	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	667255	20.00	ng	0.00
76) Chrysene-d12	13.95	240	578575	20.00	ng	0.00
87) Perylene-d12	15.39	264	479979	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	398470	24.17	ng	0.00
7) Phenol-d6	6.42	99	513845	25.08	ng	-0.01
23) Nitrobenzene-d5	7.35	82	288210	15.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	82675	20.98	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	535894	14.03	ng	-0.01
79) Terphenyl-d14	12.90	244	374342	15.52	ng	0.00
Target Compounds						
9) Benzaldehyde	6.42	77	1233	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.35	70	35429	2.581 ng	#	1
25) Isophorone	7.35	82	286243	9.145 ng	#	77
46) 1,1'-Biphenyl	9.25	154	4934	Below Cal	#	64
50) Dimethylphthalate	9.55	163	84116	2.562 ng		95
51) 2,6-Dinitrotoluene	9.83	165	57545	7.938 ng	#	99
57) 2,4-Dinitrotoluene	9.83	165	57545	6.439 ng	#	30
71) Phenanthrene	11.34	178	310771	9.234 ng		25
72) Anthracene	11.39	178	90063	2.558 ng		92
75) Fluoranthene	12.53	202	361446	11.757 ng		94
78) Pyrene	12.75	202	346327	8.376 ng		96
81) Benzo(a)anthracene	13.94	228	191424	5.930 ng		97
83) Chrysene	13.97	228	173808	5.223 ng		94
86) Indeno(1,2,3-cd)pyrene	16.79	276	66717	2.484 ng		97
88) Benzo(b)fluoranthene	14.97	252	270622	10.195 ng		94
89) Benzo(k)fluoranthene	14.97	252	270622	10.844 ng		96
90) Benzo(a)pyrene	15.33	252	147276	6.025 ng		96
92) Benzo(g,h,i)perylene	17.22	276	68771	3.578 ng		98

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

```

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Sample    : J6195-05 5X
Misc      :
ALS Vial  : 21    Sample Multiplier: 1

```



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

Instrument :

BNA_F

ClientSampleId :

OR-02-121018-A

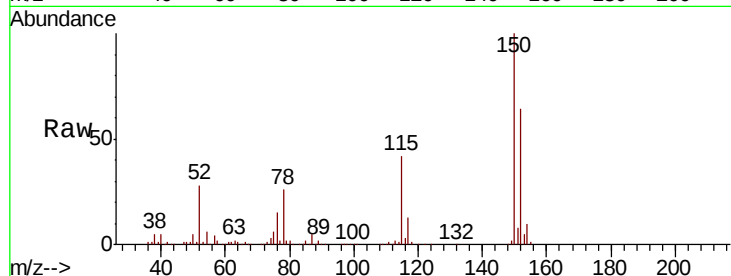
Tgt Ion:152 Resp: 260340

Ion Ratio Lower Upper

152 100

150 156.6 126.6 189.8

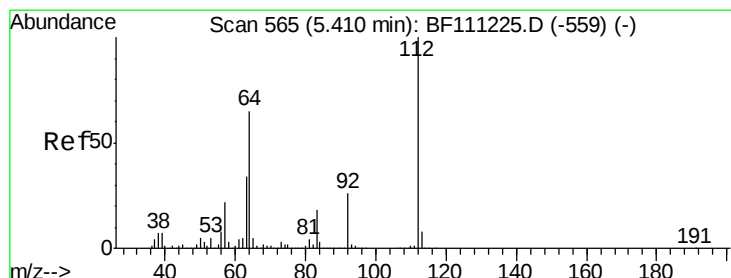
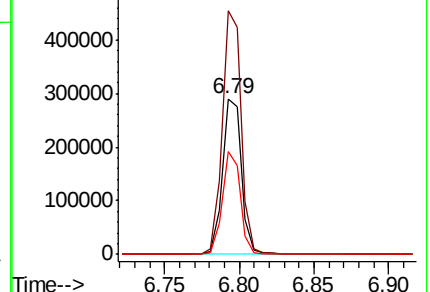
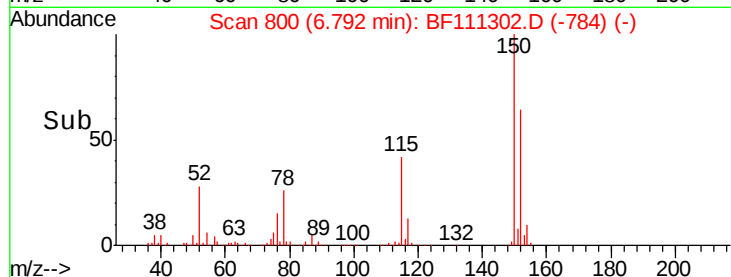
115 66.4 50.7 76.1



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: 24.169 ng

RT: 5.40 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

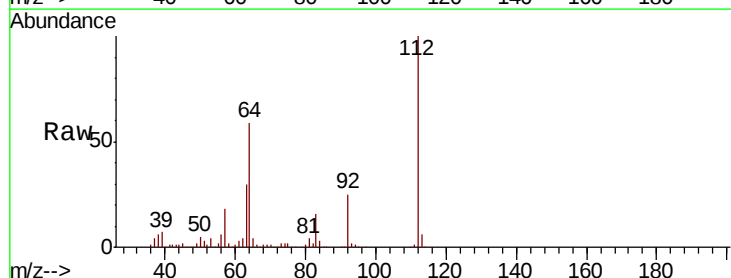
Tgt Ion:112 Resp: 398470

Ion Ratio Lower Upper

112 100

64 58.6 51.8 77.6

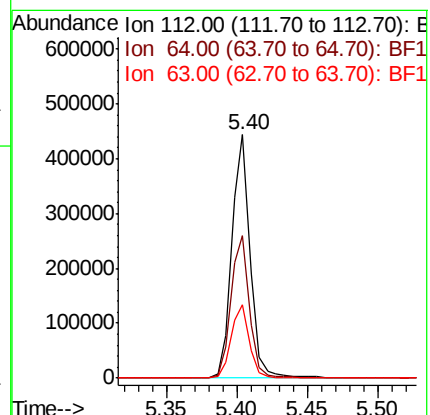
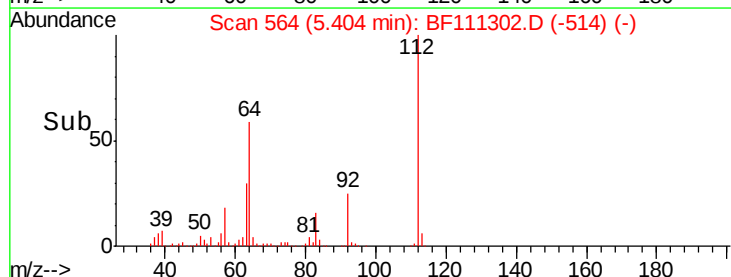
63 30.0 26.8 40.2

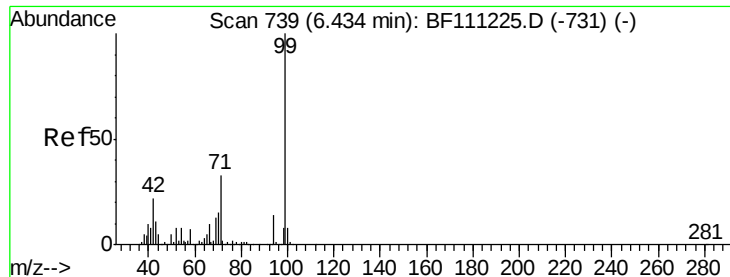


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 25.079 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

Instrument :

BNA_F

ClientSampleId :

OR-02-121018-A

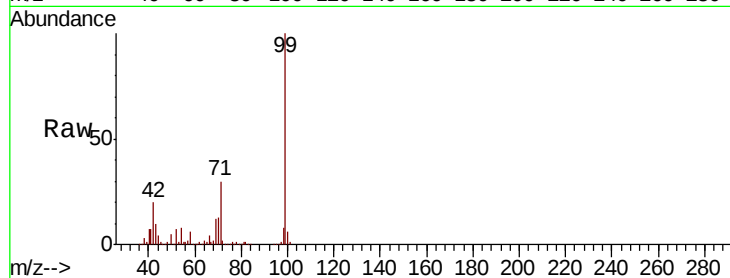
Tgt Ion: 99 Resp: 513845

Ion Ratio Lower Upper

99 100

42 19.6 17.4 26.0

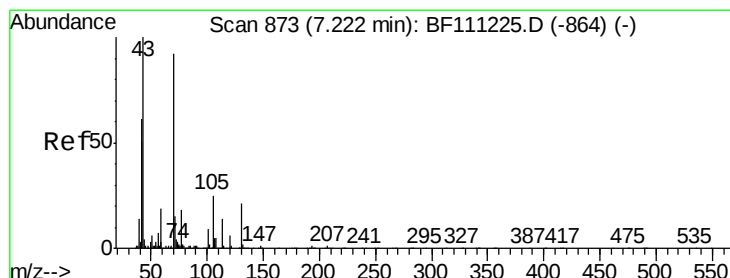
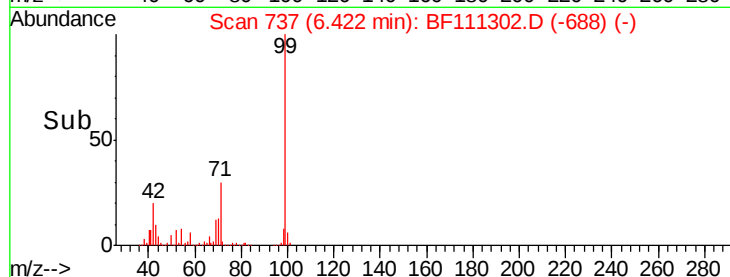
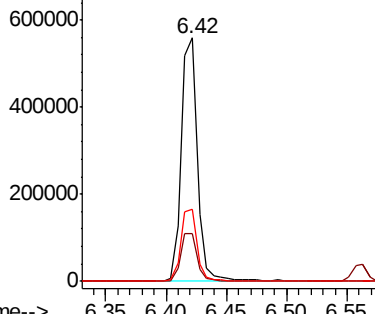
71 29.6 26.1 39.1



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: 2.581 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.13 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

Tgt Ion: 70 Resp: 35429

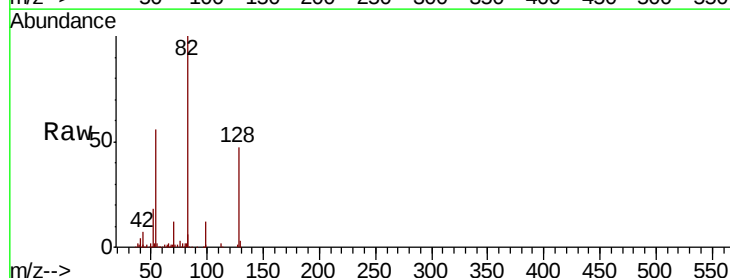
Ion Ratio Lower Upper

70 100

42 54.2 53.2 79.8

101 0.0 8.2 12.4#

130 1.9 18.1 27.1#

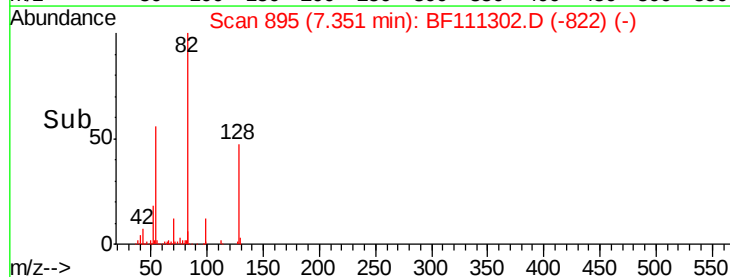
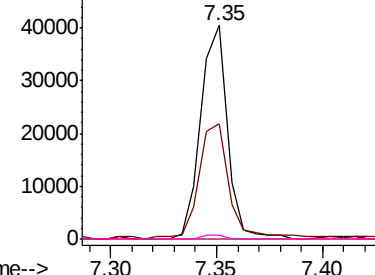


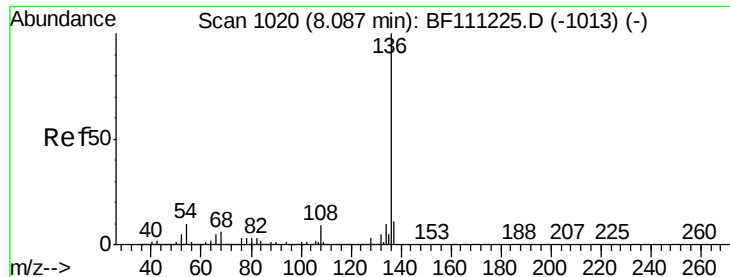
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

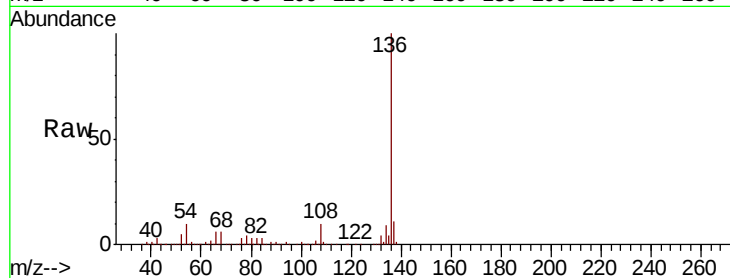




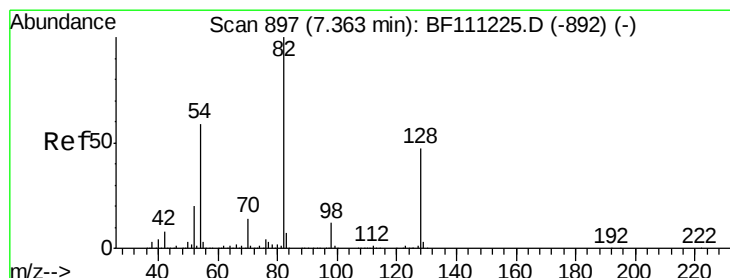
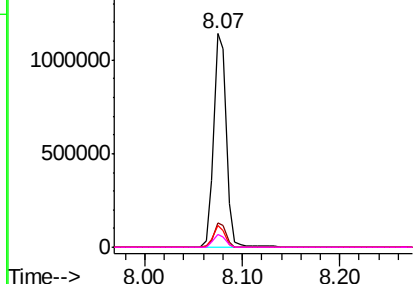
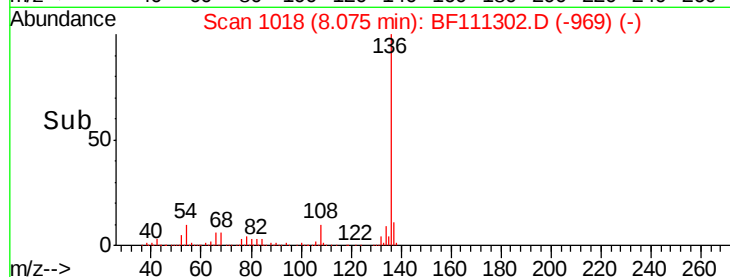
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Instrument :
BNA_F
ClientSampleId :
OR-02-121018-A

Tgt Ion: 136 Resp: 1030791
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 10.2 7.7 11.5
68 6.0 4.9 7.3

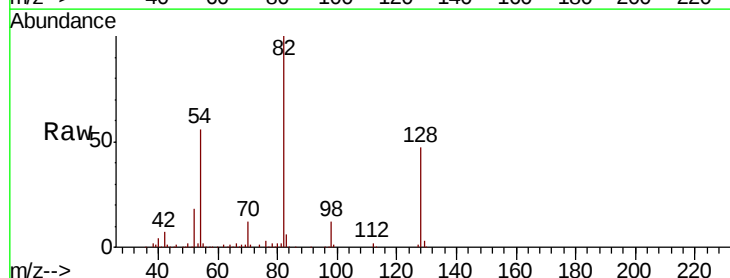


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

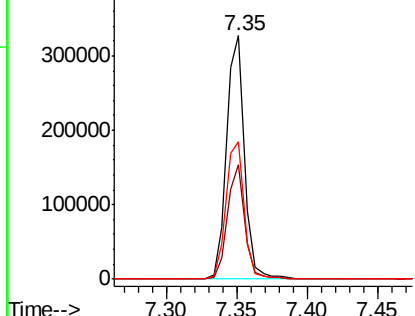
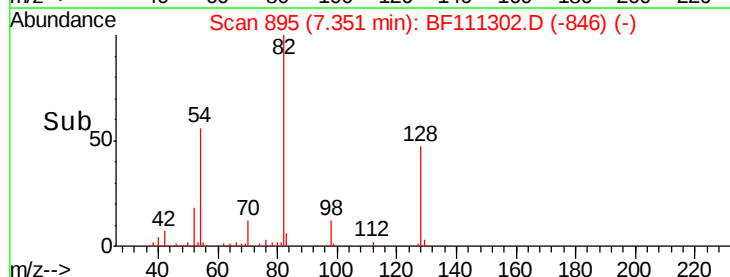


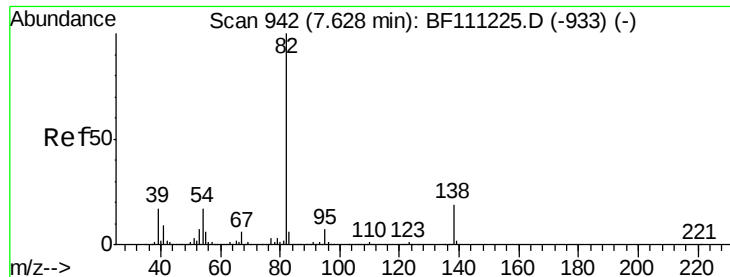
#23
Nitrobenzene-d5
Concen: 15.682 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Tgt Ion: 82 Resp: 288210
Ion Ratio Lower Upper
82 100
128 47.1 37.4 56.2
54 56.4 47.6 71.4



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

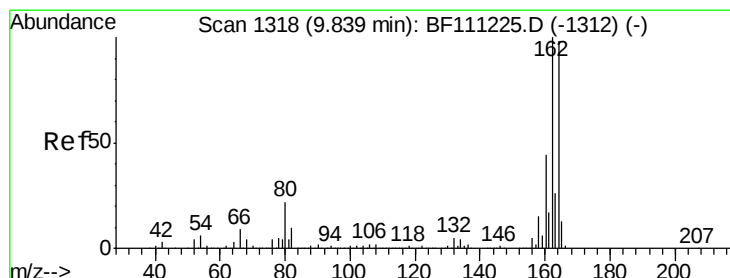
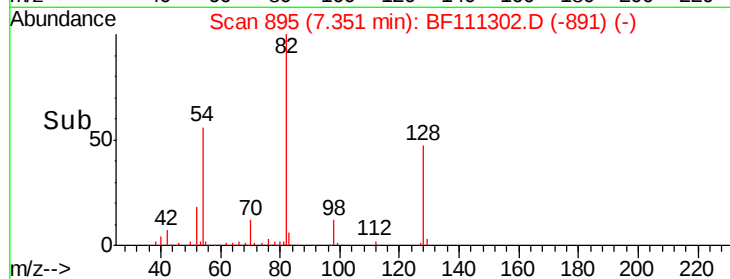
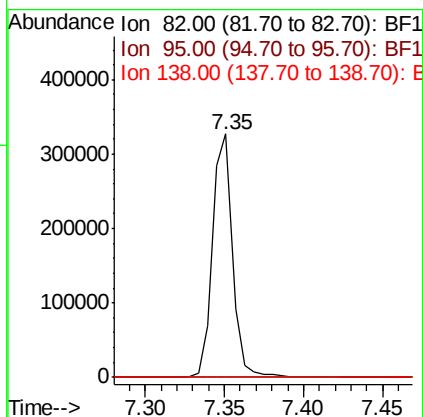
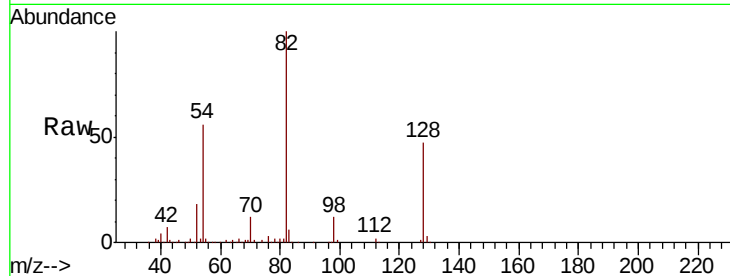




#25
Isophorone
Concen: 9.145 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.28 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

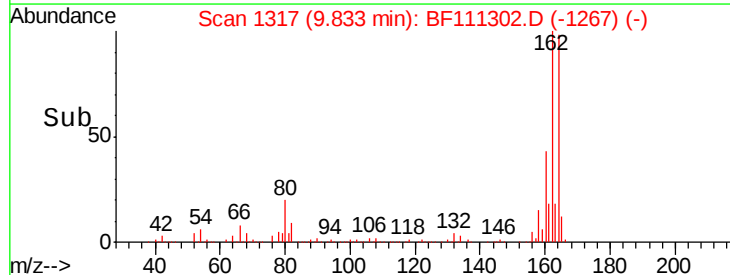
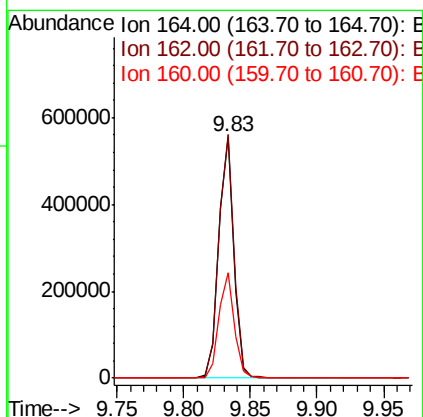
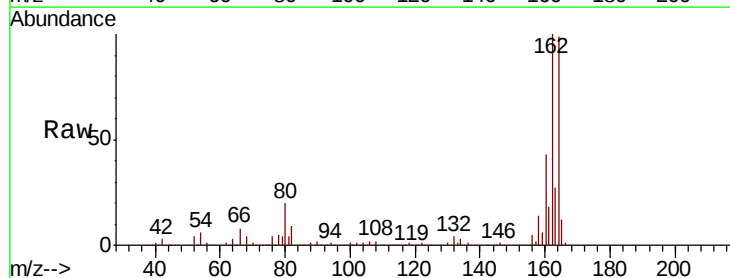
Instrument :
BNA_F
ClientSampleId :
OR-02-121018-A

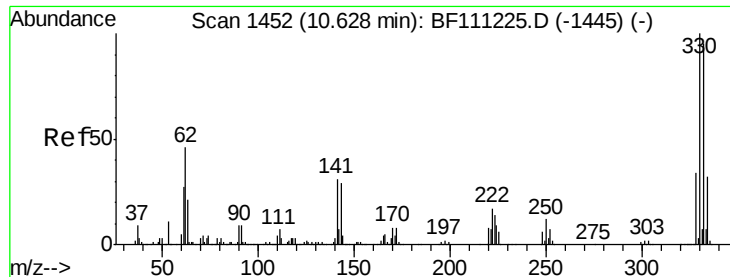
Tgt Ion: 82 Resp: 286243
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Tgt Ion: 164 Resp: 444903
Ion Ratio Lower Upper
164 100
162 101.0 81.4 122.0
160 43.8 35.7 53.5

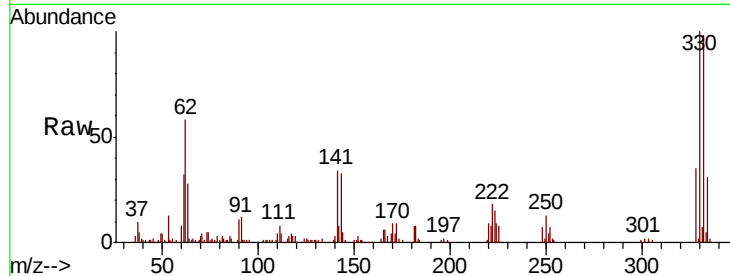




#42
 2,4,6-Tribromophenol
 Concen: 20.978 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111302.D
 Acq: 12 Dec 2018 3:21

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-121018-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.0	114.0
141	39.6	31.0	46.6

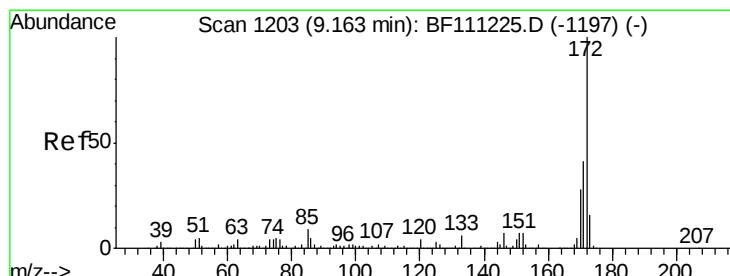
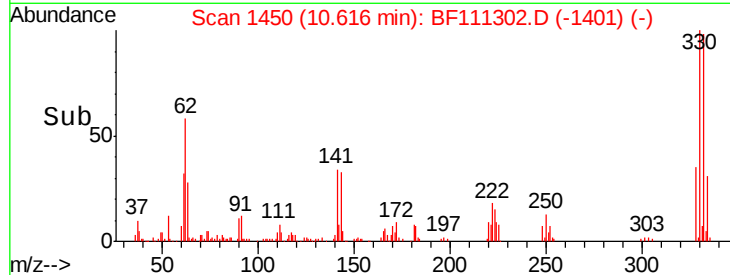
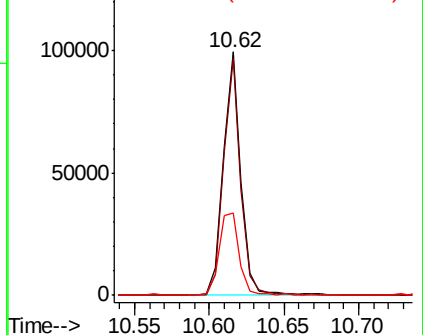


Abundance

Ion 329.80 (329.50 to 330.50): E

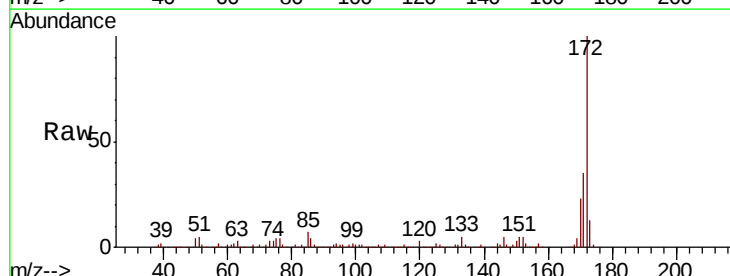
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 14.032 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111302.D
 Acq: 12 Dec 2018 3:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	33.0	49.4
170	23.1	22.3	33.5

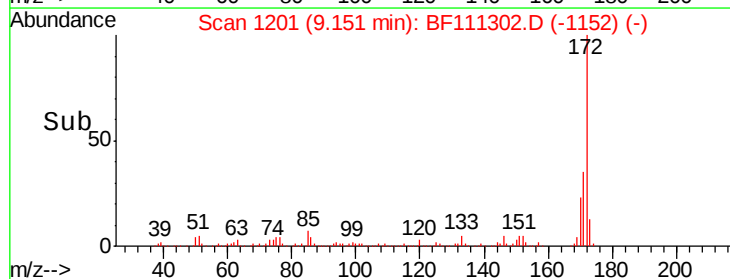
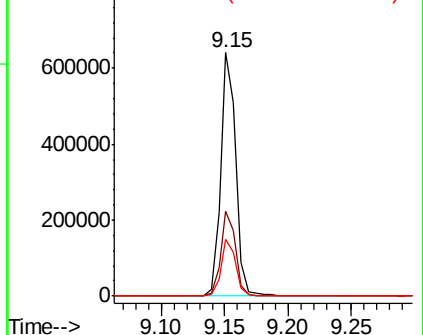


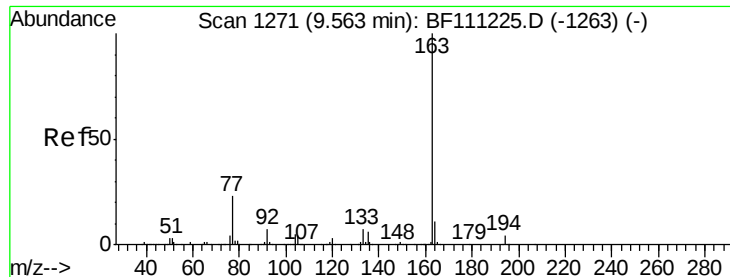
Abundance

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

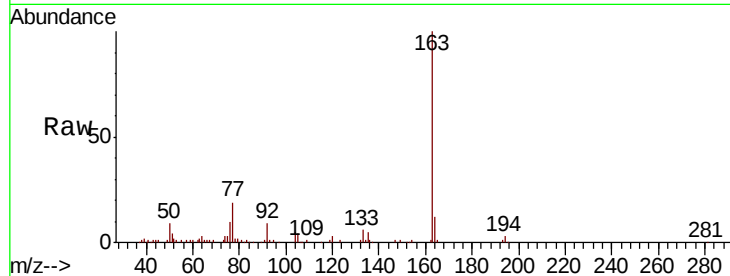




#50
Dimethylphthalate
Concen: 2.562 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Instrument :
BNA_F
ClientSampleId :
OR-02-121018-A

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.6
164	11.5	8.9	13.3

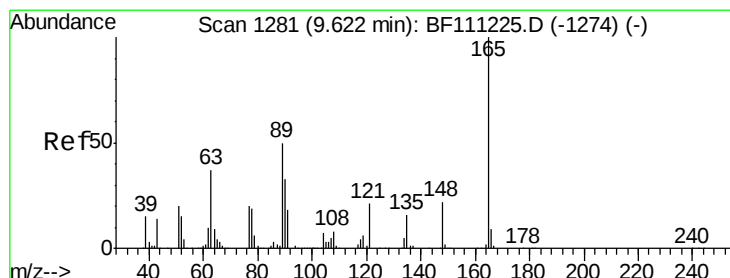
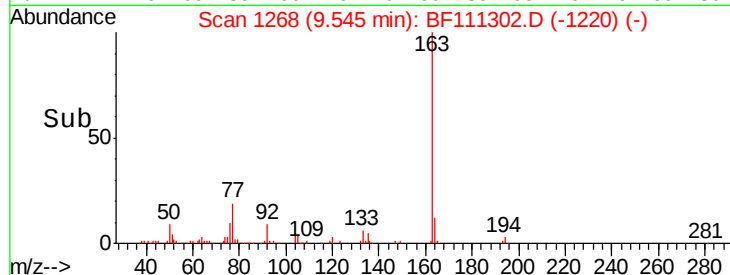
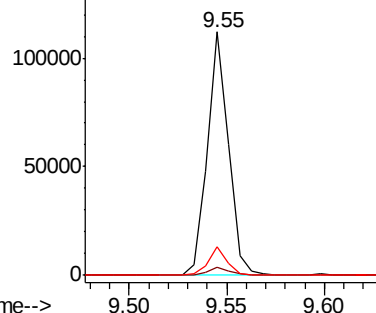


Abundance

Ion 163.00 (162.70 to 163.70): E

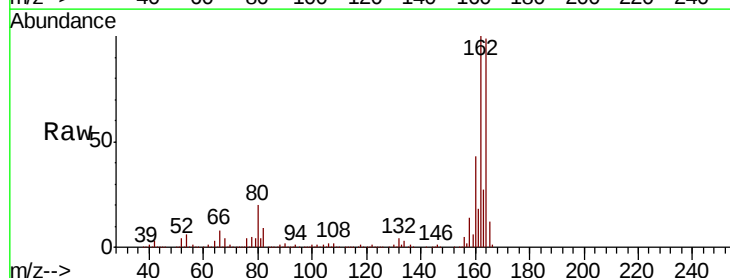
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 7.938 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.21 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	40.5	60.7#
89	1.9	40.0	60.0#

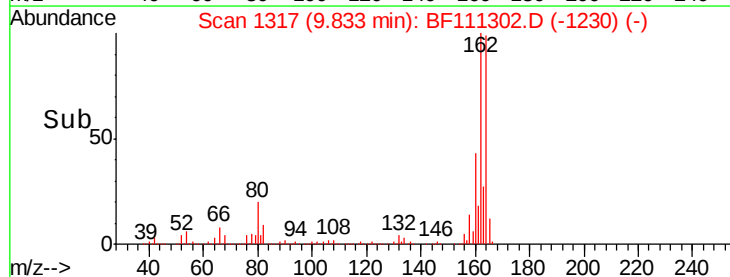
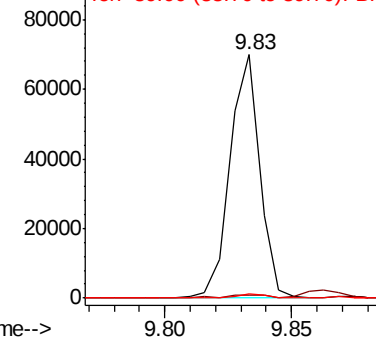


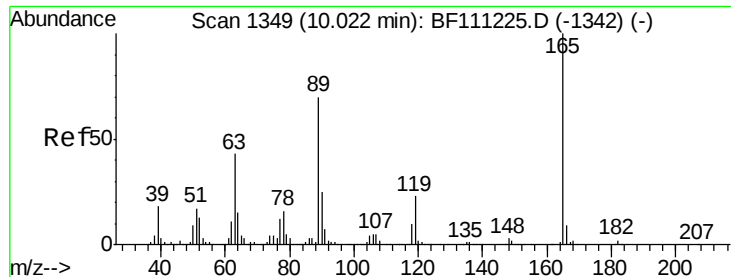
Abundance

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

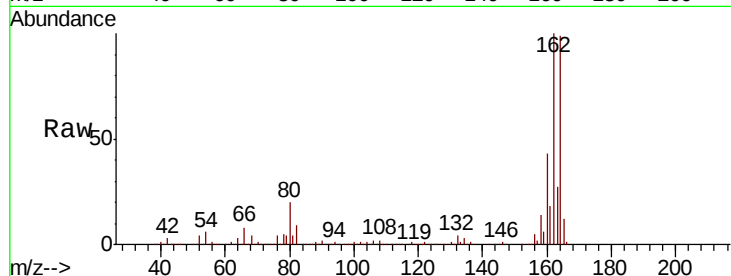




#57
 2,4-Dinitrotoluene
 Concen: 6.439 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.19 min
 Lab File: BF111302.D
 Acq: 12 Dec 2018 3:21

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-121018-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.6	52.0#
89	1.9	56.2	84.4#
182	0.0	1.8	2.6#

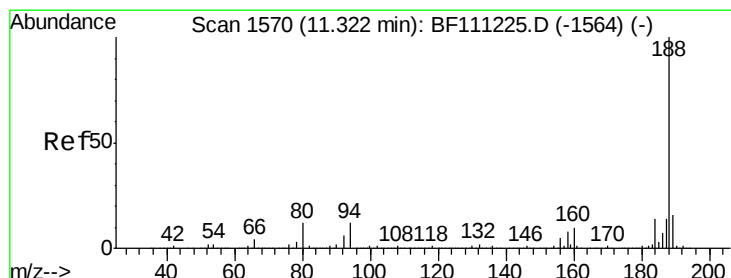
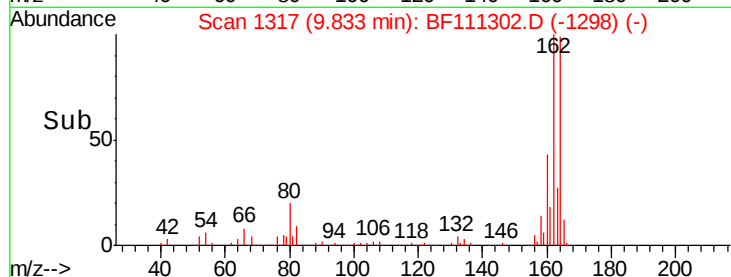
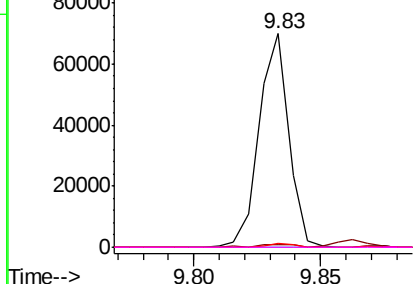


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

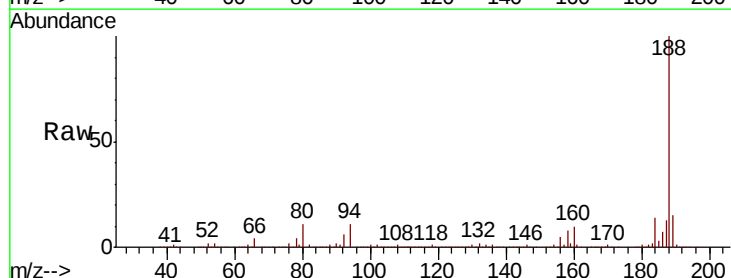
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF111302.D
 Acq: 12 Dec 2018 3:21

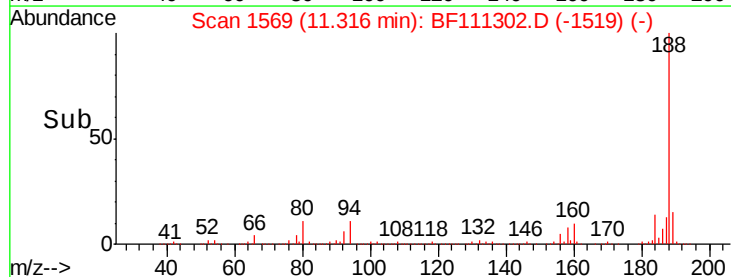
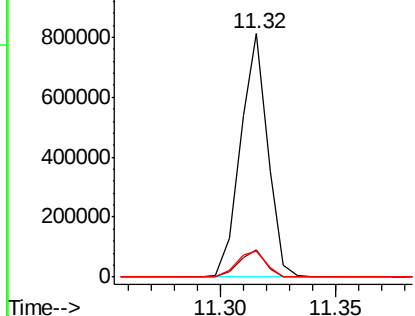
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.6	14.4
80	10.9	9.8	14.6

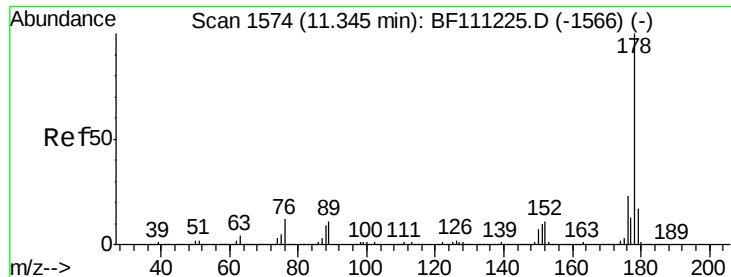


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

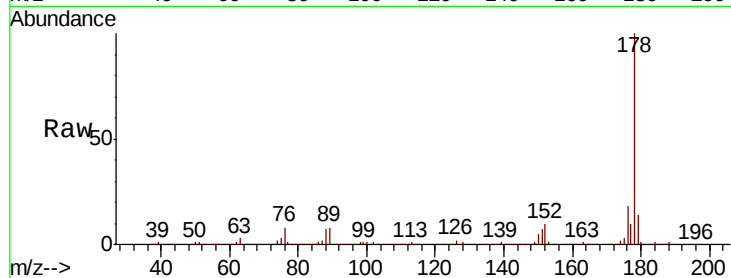




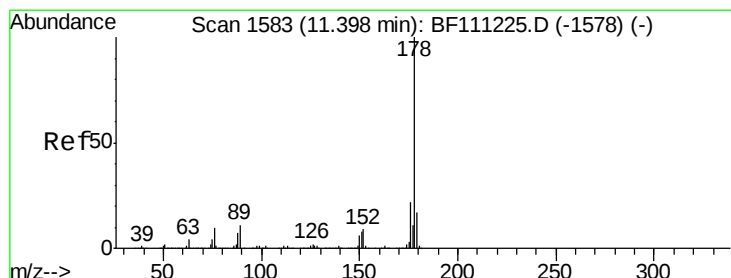
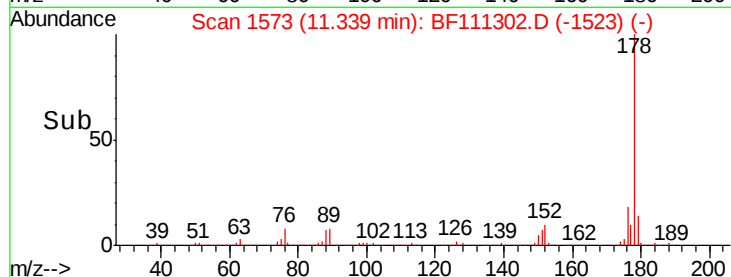
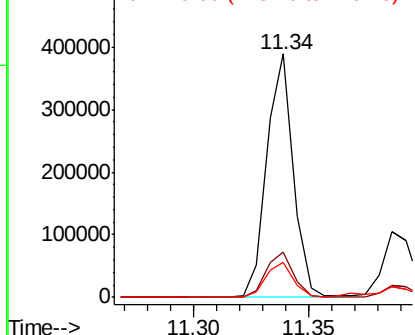
#71
Phenanthrene
Concen: 9.234 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Instrument :
BNA_F
ClientSampleId :
OR-02-121018-A

Tgt Ion:178 Resp: 310771
Ion Ratio Lower Upper
178 100
176 18.3 18.1 27.1
179 14.1 14.0 21.0

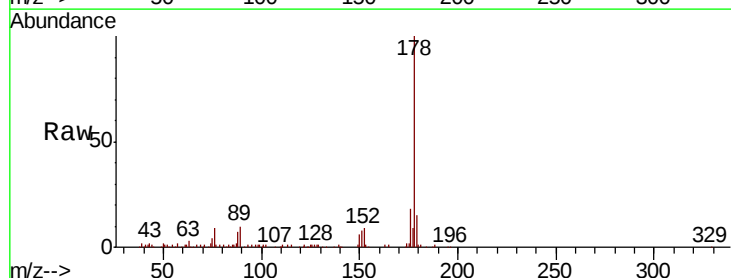


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

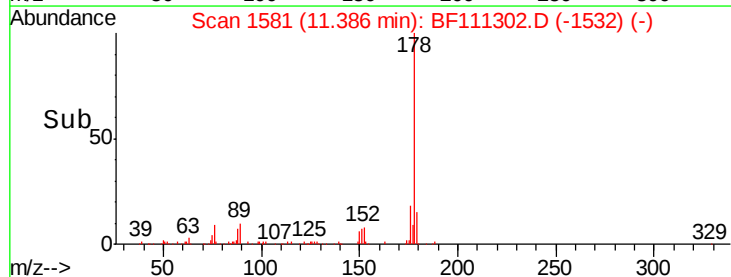
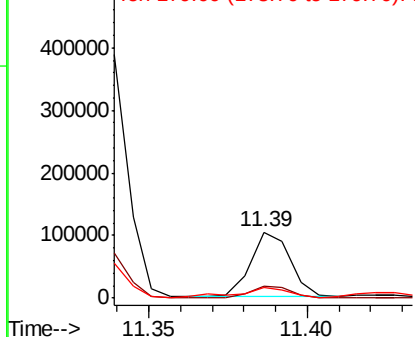


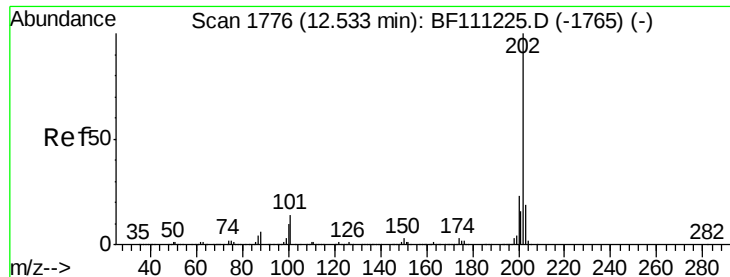
#72
Anthracene
Concen: 2.558 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Tgt Ion:178 Resp: 90063
Ion Ratio Lower Upper
178 100
176 18.4 17.2 25.8
179 15.4 13.8 20.8



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: 11.757 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

Instrument :

BNA_F

ClientSampleId :

OR-02-121018-A

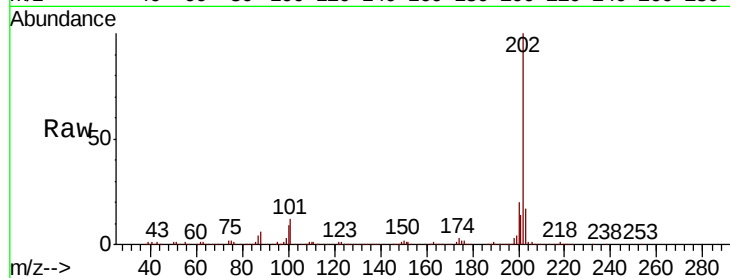
Tgt Ion:202 Resp: 361446

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.8

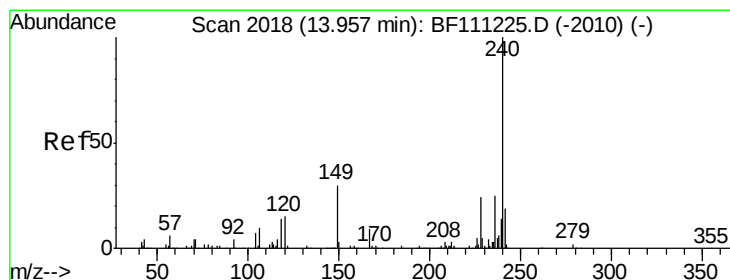
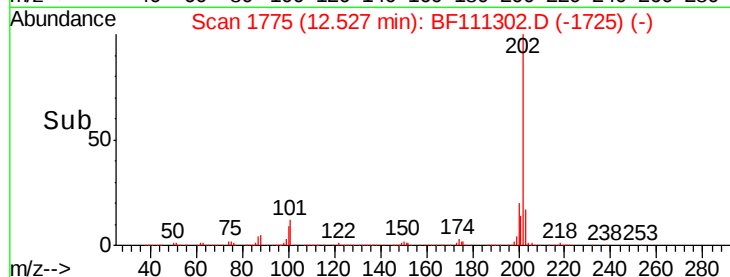
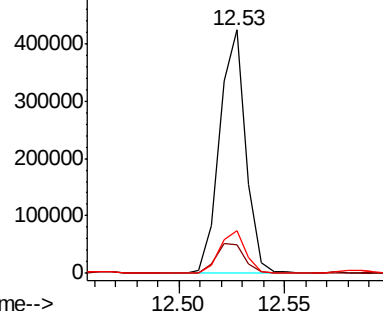
203 17.3 0.0 38.6



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: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

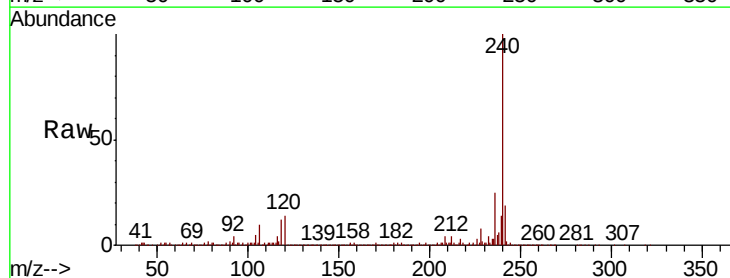
Tgt Ion:240 Resp: 578575

Ion Ratio Lower Upper

240 100

120 13.6 12.2 18.2

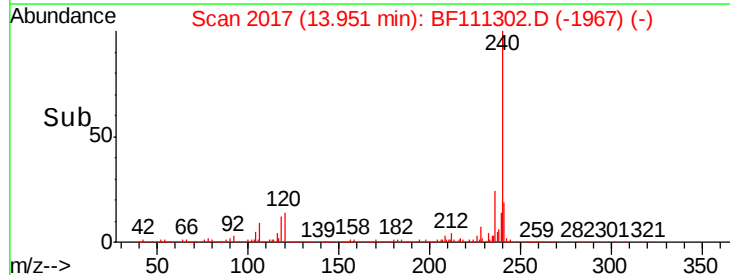
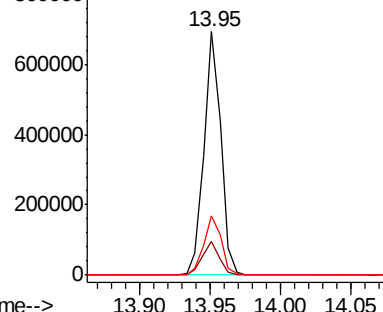
236 24.5 20.2 30.2

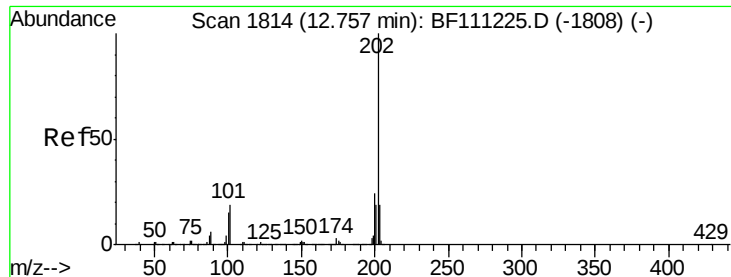


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

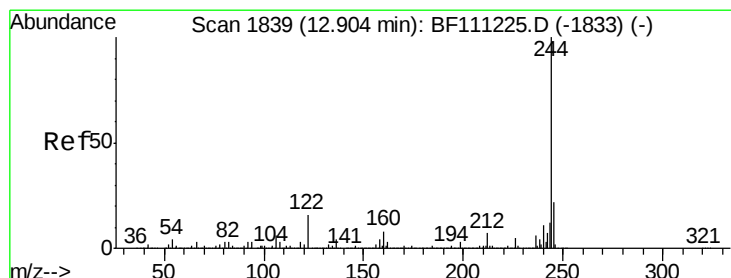
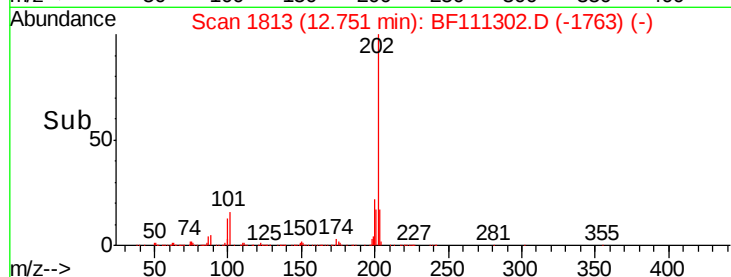
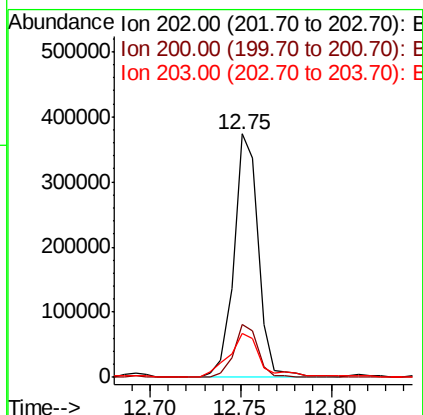
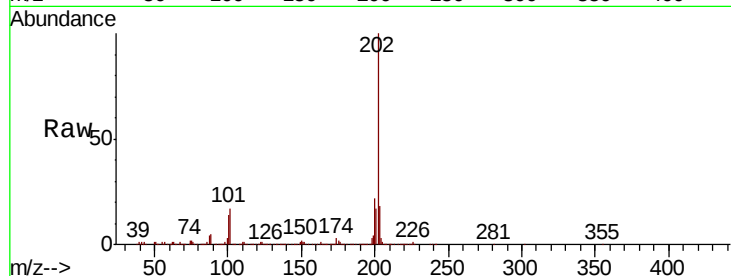




#78
 Pyrene
 Concen: 8.376 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.01 min
 Lab File: BF111302.D
 Acq: 12 Dec 2018 3:21

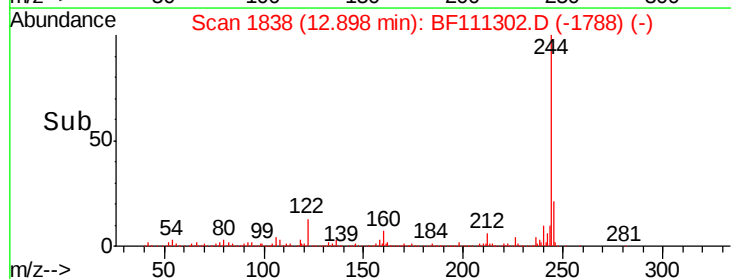
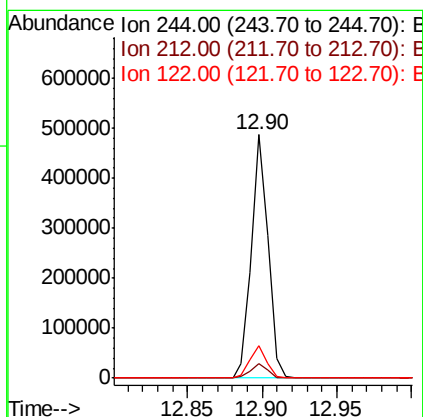
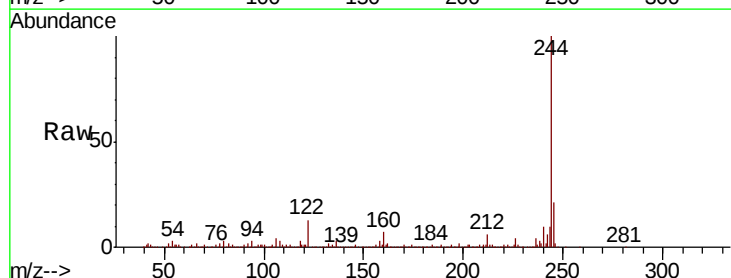
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-121018-A

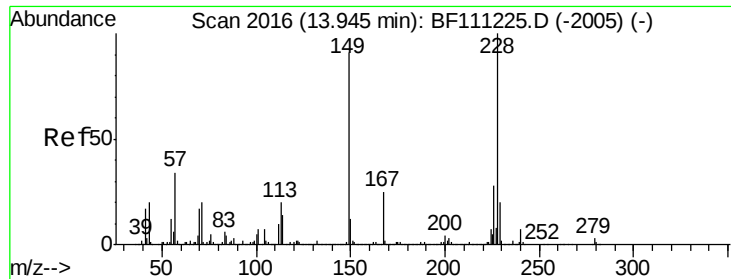
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	19.0	28.4
203	18.1	15.2	22.8



#79
 Terphenyl-d14
 Concen: 15.519 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF111302.D
 Acq: 12 Dec 2018 3:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.7	8.5
122	13.5	13.1	19.7





#81

Benzo(a)anthracene

Concen: 5.930 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

Instrument :

BNA_F

ClientSampleId :

OR-02-121018-A

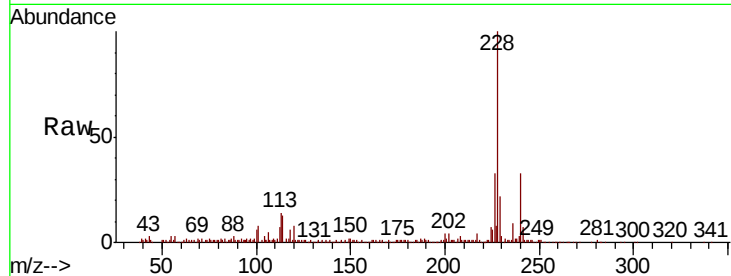
Tgt Ion:228 Resp: 191424

Ion Ratio Lower Upper

228 100

226 33.0 22.6 34.0

229 21.6 16.3 24.5

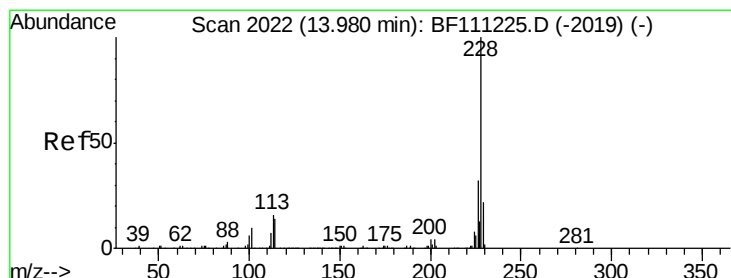
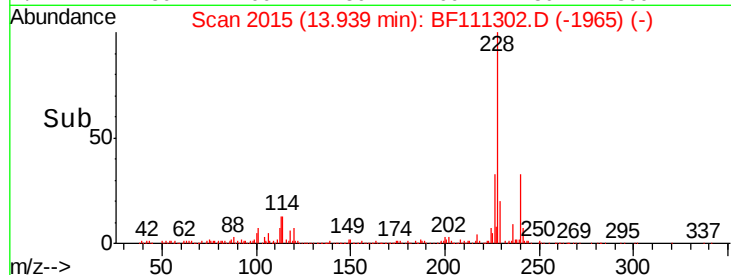
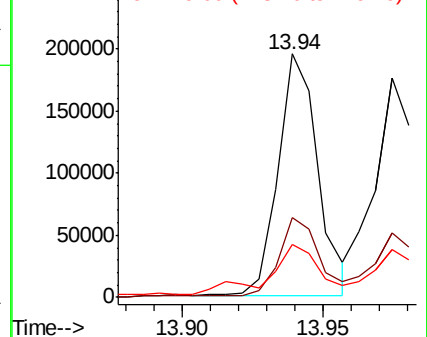


Abundance

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



#83

Chrysene

Concen: 5.223 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

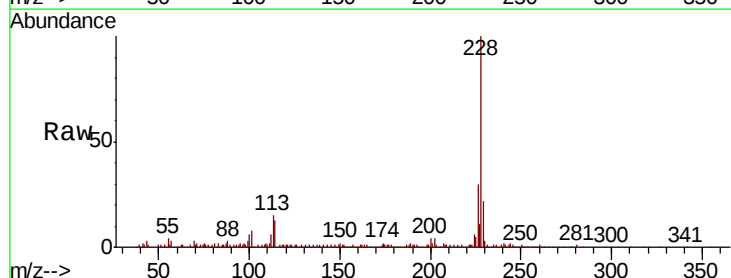
Tgt Ion:228 Resp: 173808

Ion Ratio Lower Upper

228 100

226 29.5 25.3 37.9

229 22.0 17.2 25.8

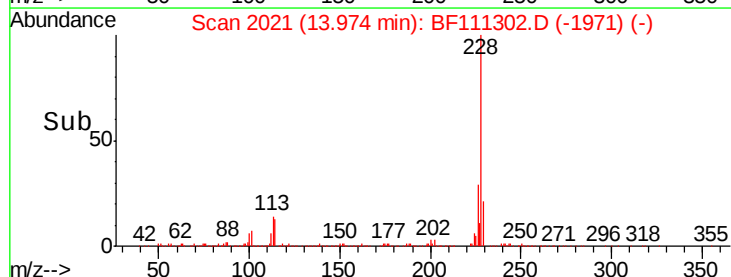
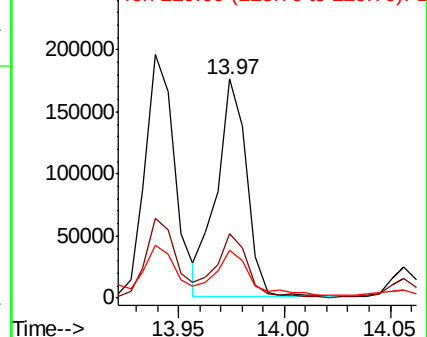


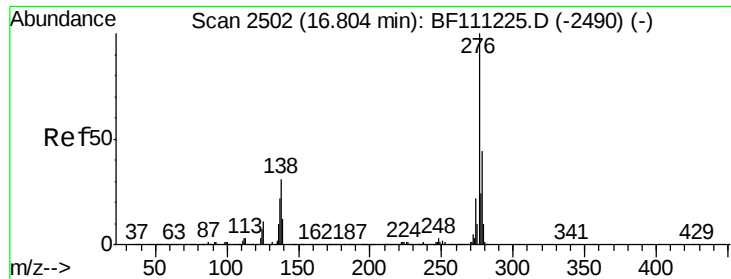
Abundance

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

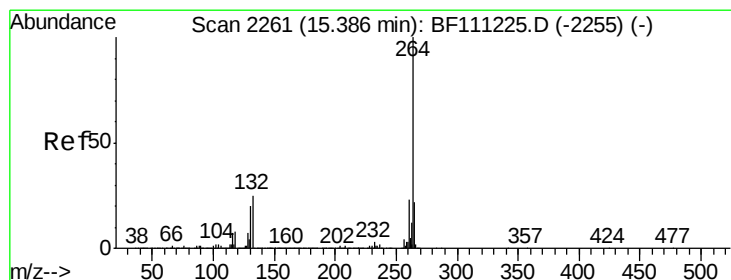
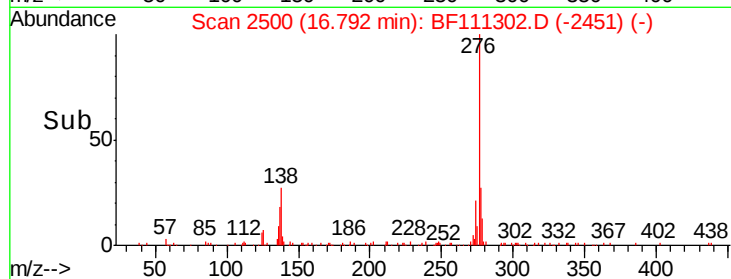
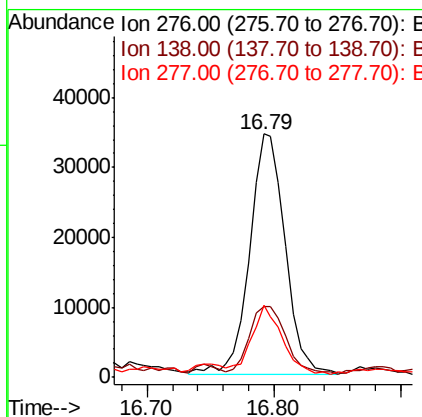
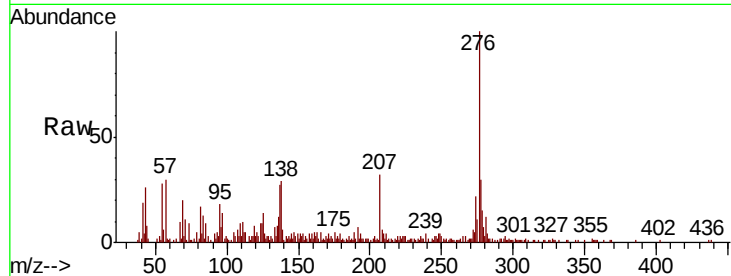




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.484 ng
 RT: 16.79 min Scan# 2500
 Delta R.T. -0.01 min
 Lab File: BF111302.D
 Acq: 12 Dec 2018 3:21

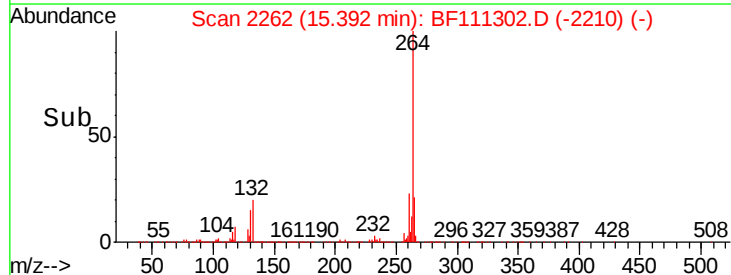
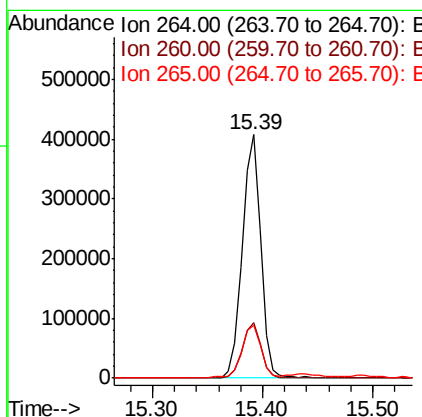
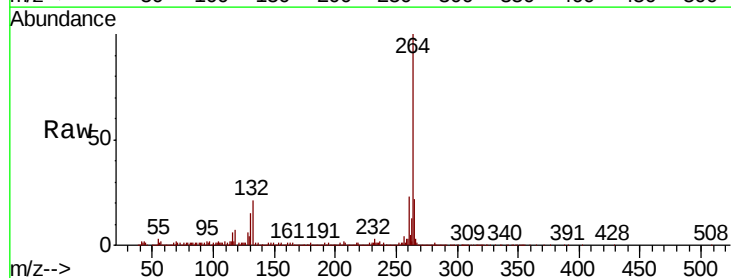
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-121018-A

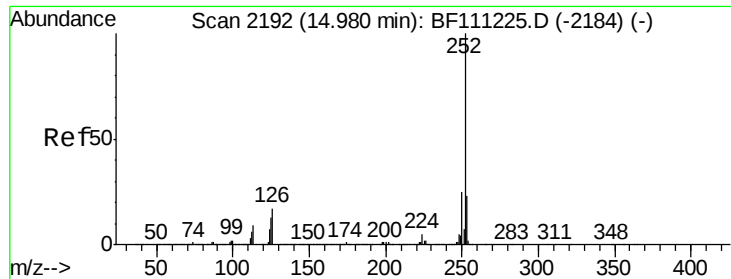
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.2	27.8	41.6
277	24.6	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: BF111302.D
 Acq: 12 Dec 2018 3:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.3	27.5
265	21.7	17.7	26.5

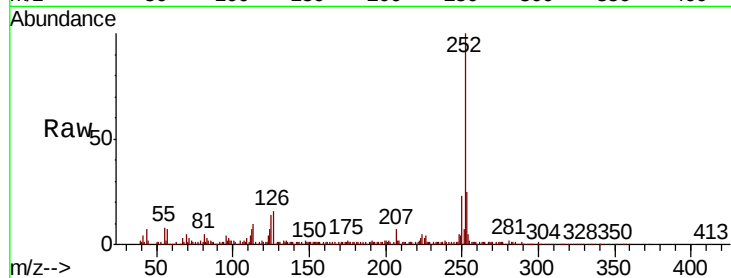




#88
Benzo(b)fluoranthene
Concen: 10.195 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Instrument :
BNA_F
ClientSampleId :
OR-02-121018-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	14.1	10.4	15.6

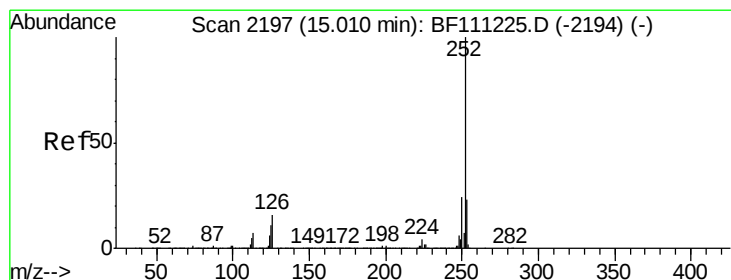
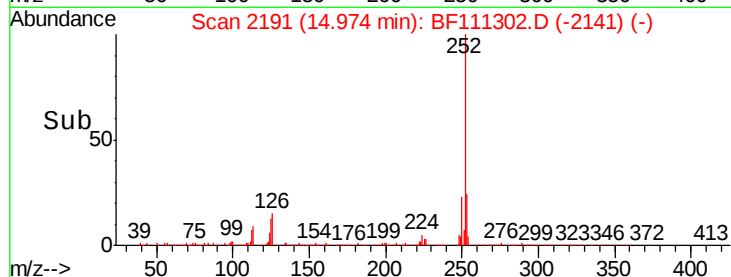
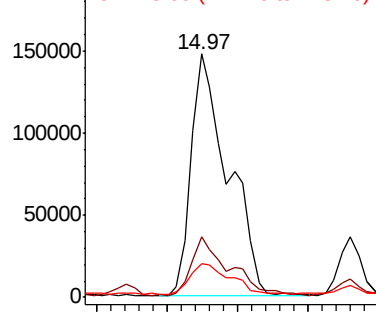


Abundance

Ion 252.00 (251.70 to 252.70): E

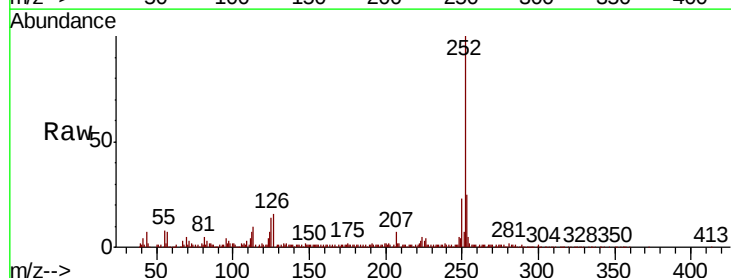
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 10.844 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF111302.D
Acq: 12 Dec 2018 3:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	14.1	9.8	14.8

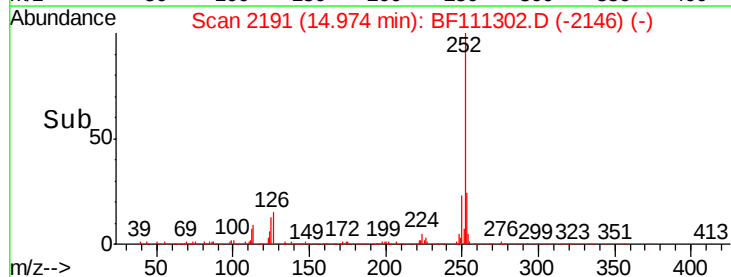
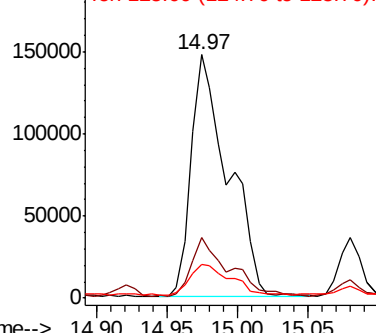


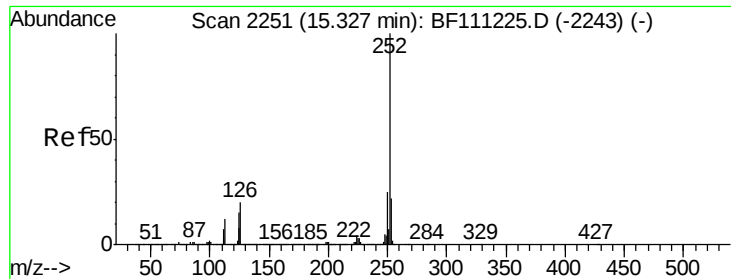
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 6.025 ng

RT: 15.33 min Scan# 2251

Delta R.T. -0.00 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

Instrument :

BNA_F

ClientSampleId :

OR-02-121018-A

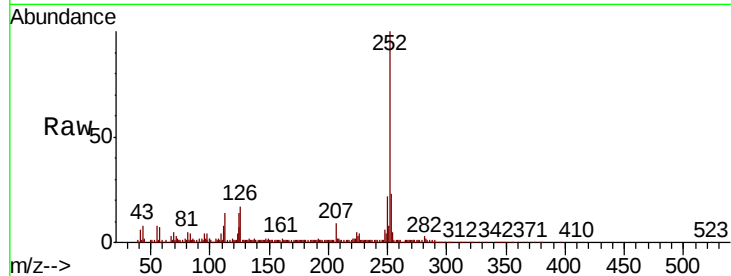
Tgt Ion:252 Resp: 147276

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 14.4 12.3 18.5

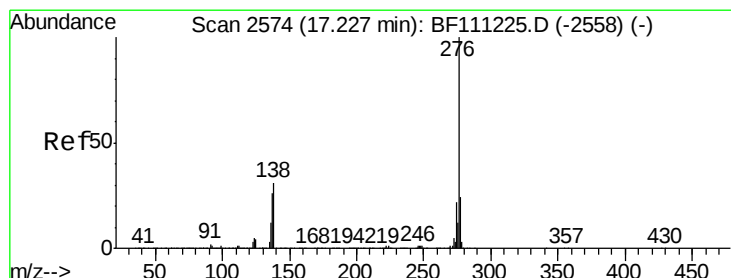
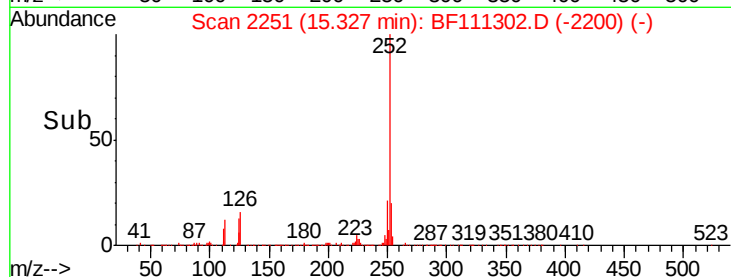
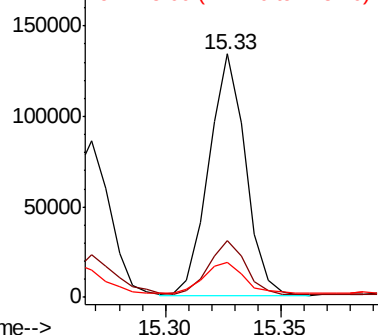


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.578 ng

RT: 17.22 min Scan# 2572

Delta R.T. -0.01 min

Lab File: BF111302.D

Acq: 12 Dec 2018 3:21

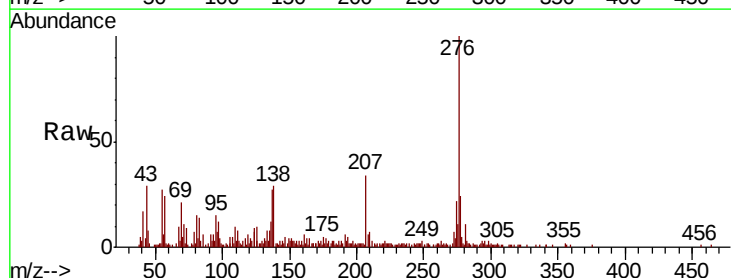
Tgt Ion:276 Resp: 68771

Ion Ratio Lower Upper

276 100

277 24.1 19.2 28.8

138 29.4 24.9 37.3



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

