

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
 Data File : BF108214.D
 Acq On : 17 Aug 2018 00:03
 Operator : JU/SJ
 Sample : J4483-02 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOD1-IB-0-4

Quant Time: Aug 17 04:08:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

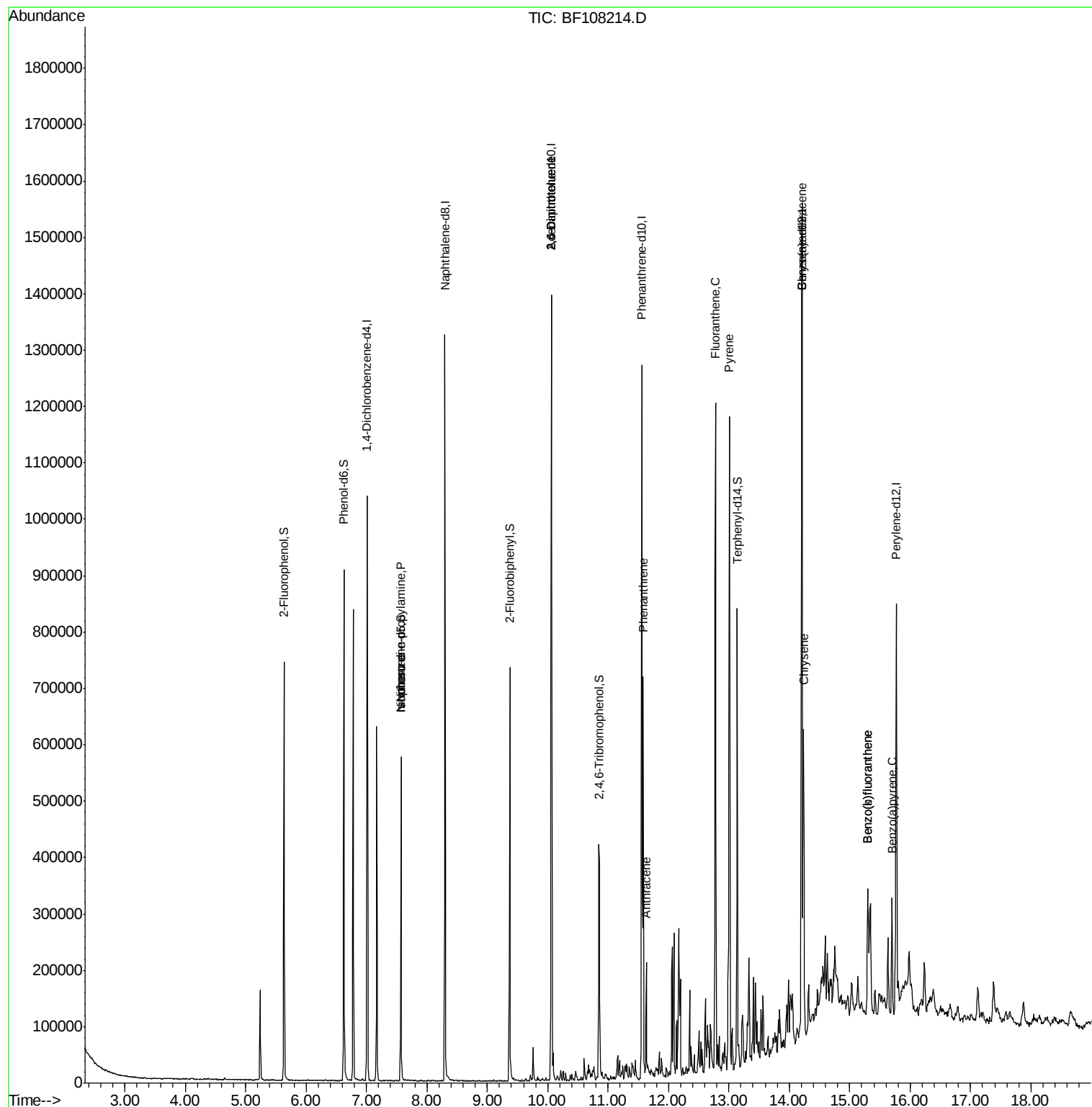
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	152685	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	566892	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	260354	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	486809	20.00	ng	0.00
75) Chrysene-d12	14.21	240	462036	20.00	ng	0.00
86) Perylene-d12	15.77	264	361126	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	196967	23.36	ng	0.00
7) Phenol-d6	6.62	99	253636	22.63	ng	0.00
23) Nitrobenzene-d5	7.57	82	160011	15.75	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	51262	19.74	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	240847	14.85	ng	0.00
78) Terphenyl-d14	13.14	244	266584	14.67	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	20689	2.730	ng	Qvalue # 84
25) Isophorone	7.57	82	160008	8.263	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	33621	8.861	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	33621	6.884	ng	# 23
70) Phenanthrene	11.58	178	271324	11.817	ng	97
71) Anthracene	11.63	178	74944	3.185	ng	98
74) Fluoranthene	12.78	202	430410	17.176	ng	95
77) Pyrene	13.01	202	484097	16.549	ng	99
80) Benzo(a)anthracene	14.20	228	220727	8.324	ng	98
82) Chrysene	14.24	228	175193	7.207	ng	98
87) Benzo(b)fluoranthene	15.30	252	187031	8.667	ng	98
88) Benzo(k)fluoranthene	15.30	252	187031	9.429	ng	# 96
89) Benzo(a)pyrene	15.70	252	106192	5.496	ng	98

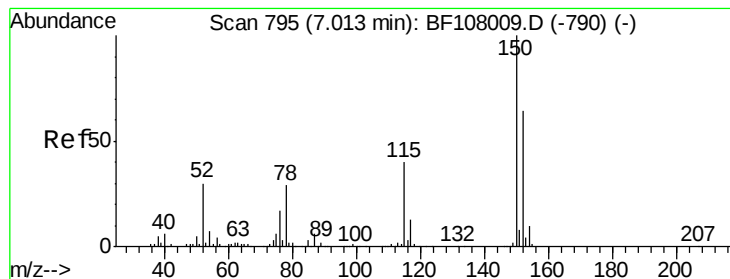
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
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QLast Update : Wed Aug 08 12:24:24 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.02 min Scan# 796

Delta R.T. 0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Instrument :

BNA_F

ClientSampleId :

TOD1-IB-0-4

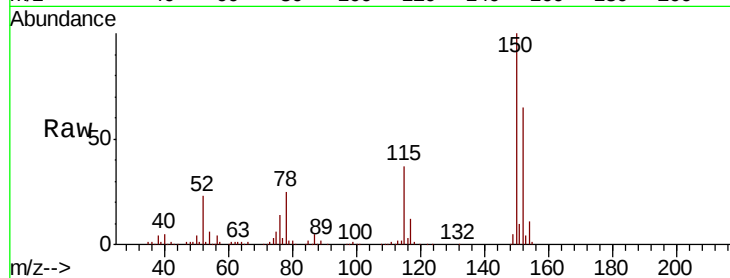
Tgt Ion:152 Resp: 152685

Ion Ratio Lower Upper

152 100

150 153.5 124.6 186.8

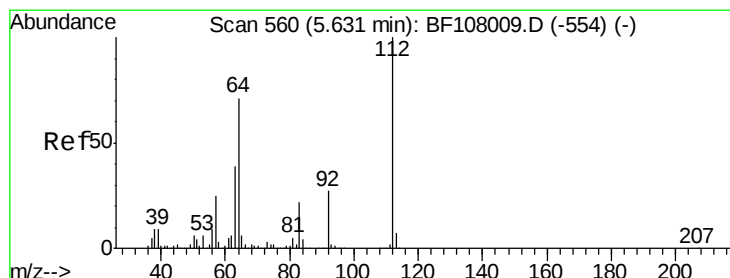
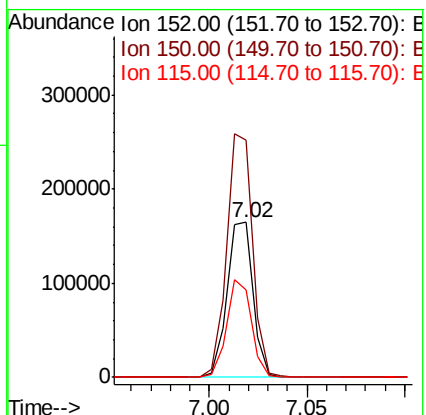
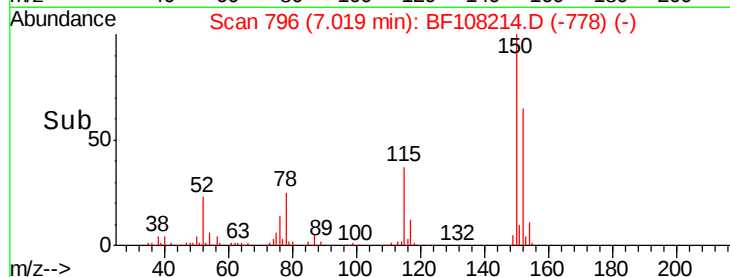
115 56.6 50.1 75.1



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: 23.355 ng

RT: 5.64 min Scan# 561

Delta R.T. 0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

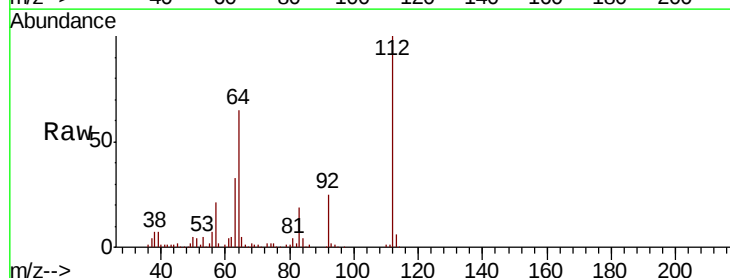
Tgt Ion:112 Resp: 196967

Ion Ratio Lower Upper

112 100

64 64.7 47.9 71.9

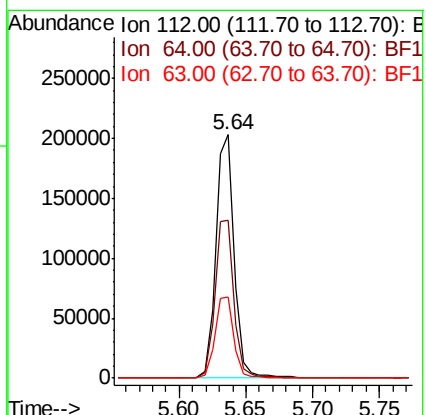
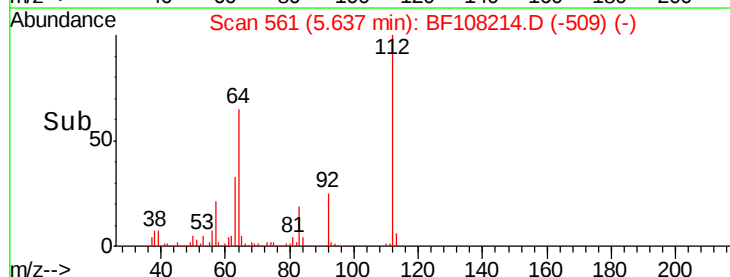
63 33.3 23.7 35.5

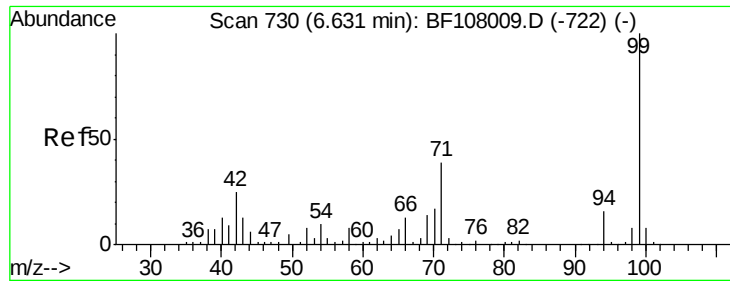


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 22.632 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Instrument :

BNA_F

ClientSampleId :

TOD1-IB-0-4

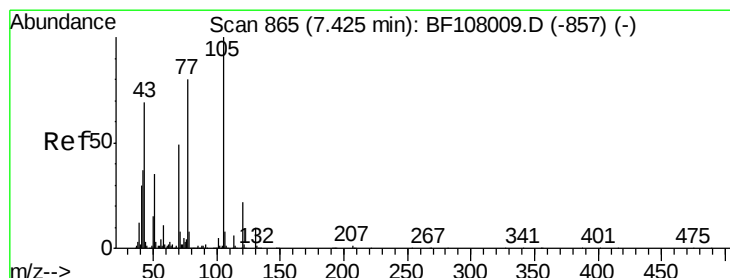
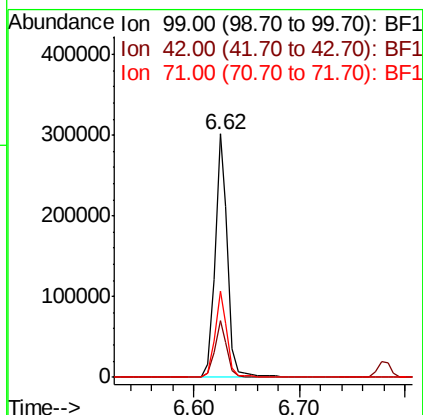
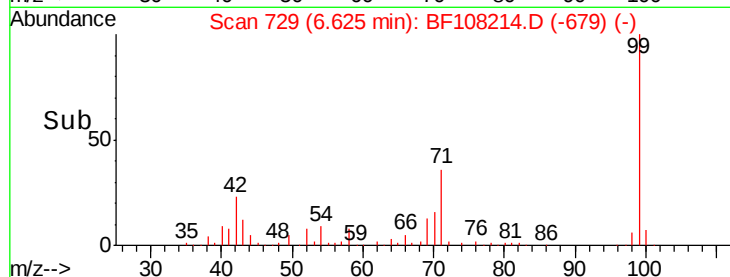
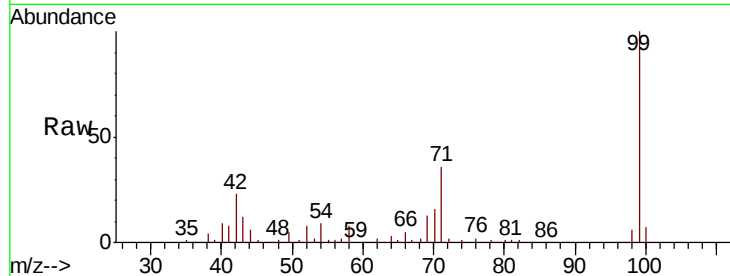
Tgt Ion: 99 Resp: 253636

Ion Ratio Lower Upper

99 100

42 23.2 14.5 21.7#

71 35.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.730 ng

RT: 7.57 min Scan# 890

Delta R.T. 0.15 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Tgt Ion: 70 Resp: 20689

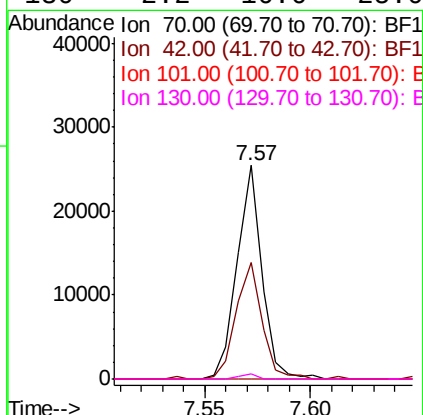
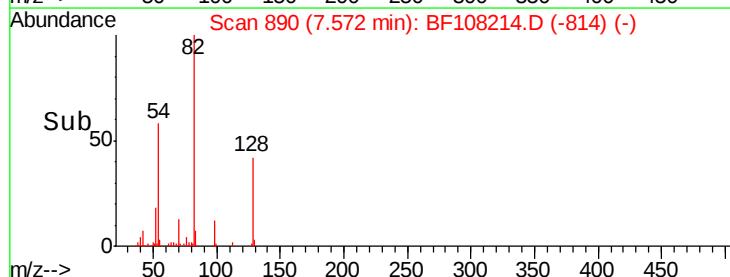
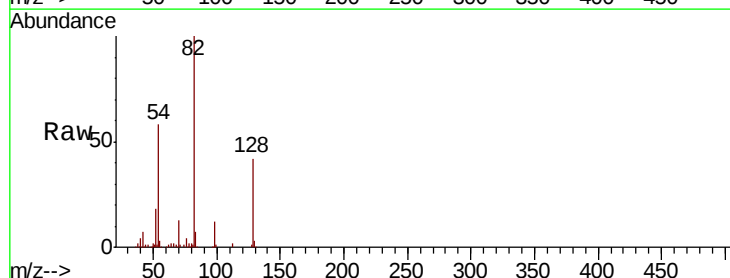
Ion Ratio Lower Upper

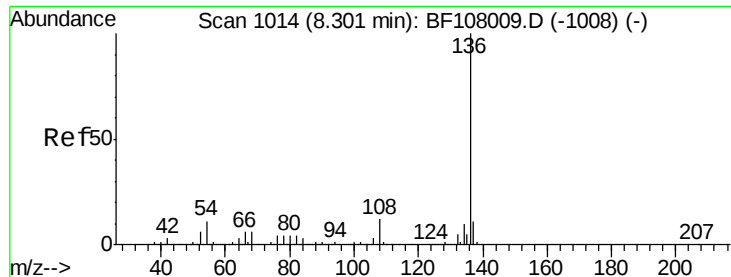
70 100

42 54.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

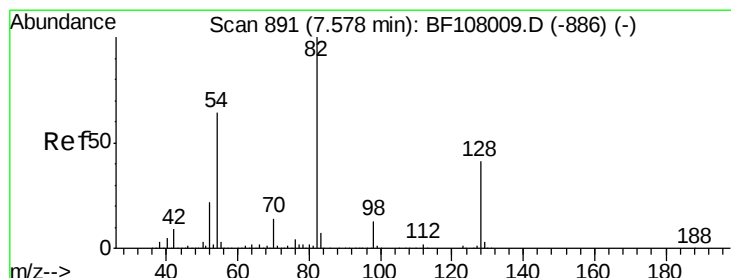
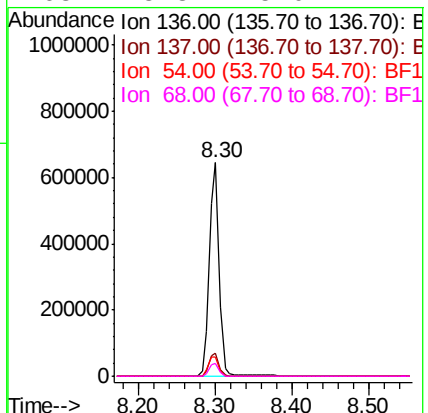
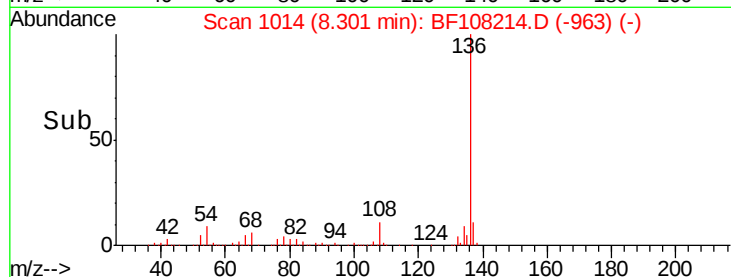
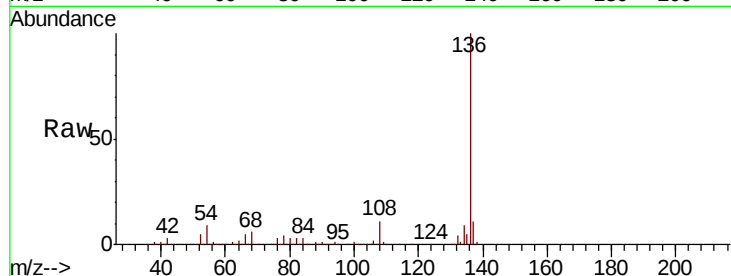




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108214.D
Acq: 17 Aug 2018 00:03

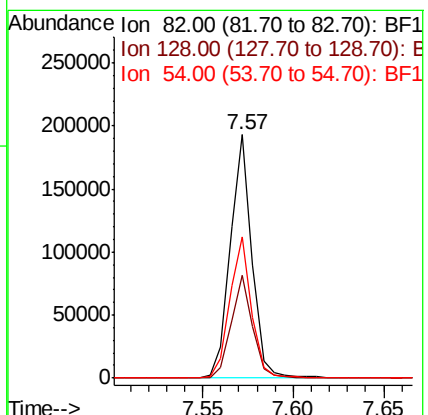
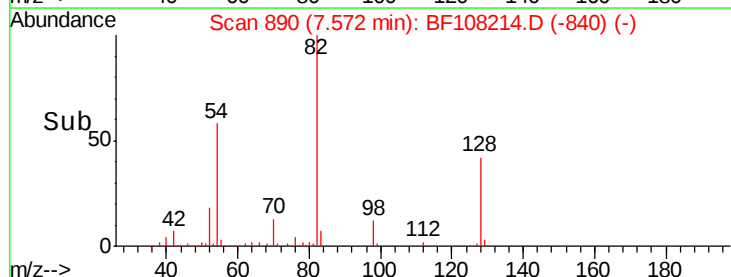
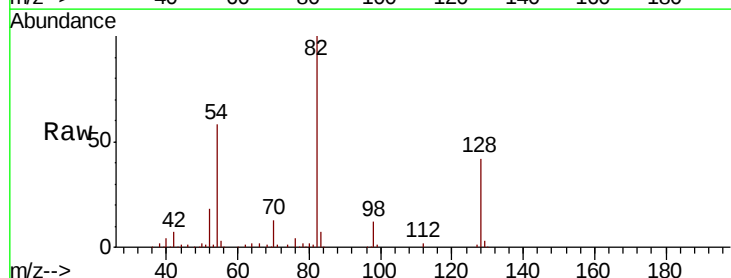
Instrument :
BNA_F
ClientSampleId :
TOD1-IB-0-4

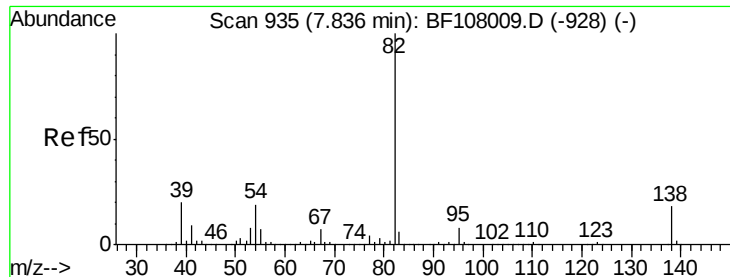
Tgt Ion:	136	Resp:	566892
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.2	6.6	9.8
68	5.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 15.751 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108214.D
Acq: 17 Aug 2018 00:03

Tgt Ion:	82	Resp:	160011
Ion	Ratio	Lower	Upper
82	100		
128	42.2	36.1	54.1
54	57.7	41.4	62.2





#25

Isophorone

Concen: 8.263 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.26 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Instrument :

BNA_F

ClientSampleId :

TOD1-IB-0-4

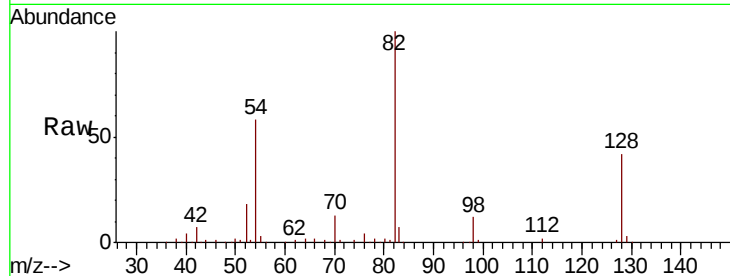
Tgt Ion: 82 Resp: 160008

Ion Ratio Lower Upper

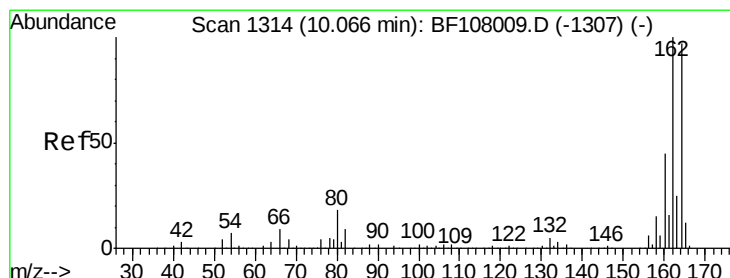
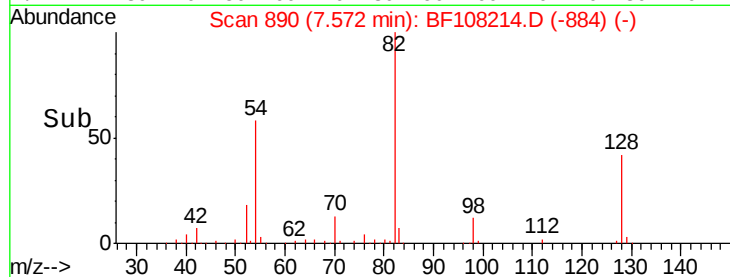
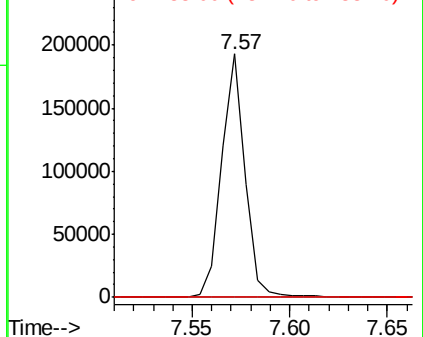
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

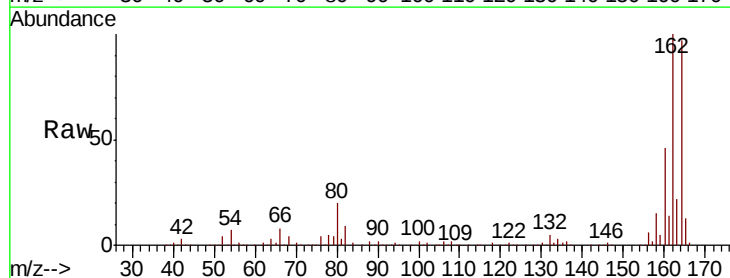
Tgt Ion: 164 Resp: 260354

Ion Ratio Lower Upper

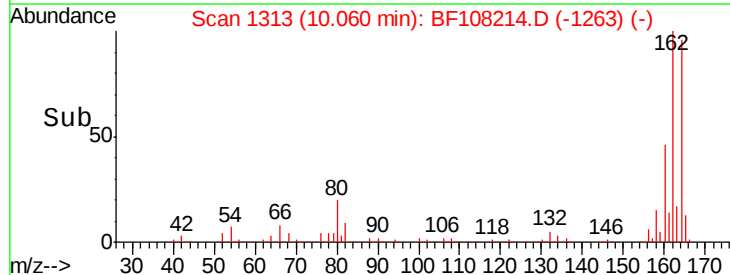
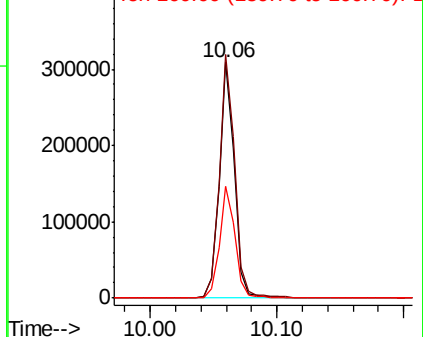
164 100

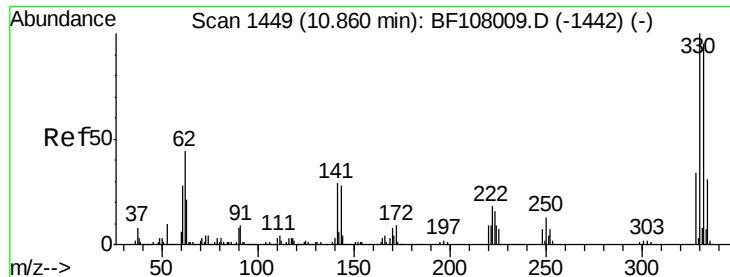
162 103.4 86.1 129.1

160 47.7 38.3 57.5



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

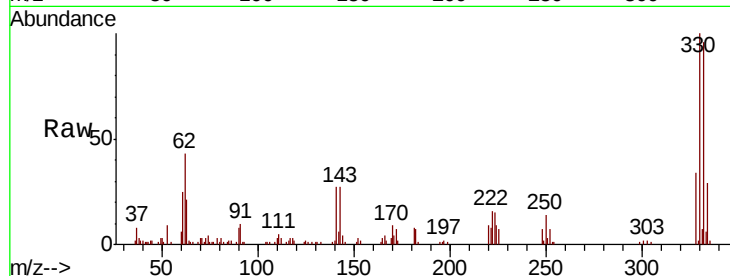




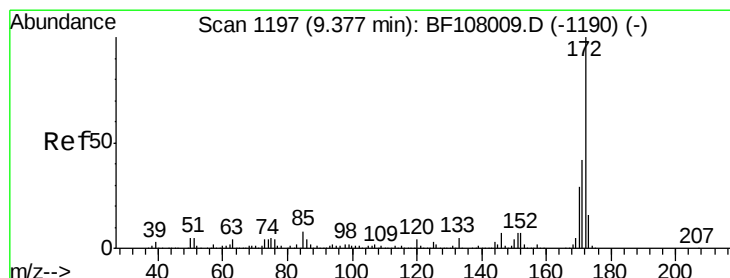
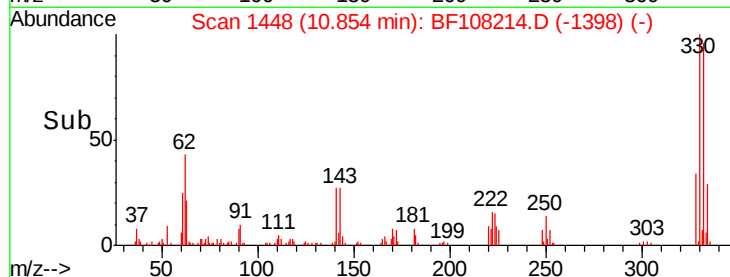
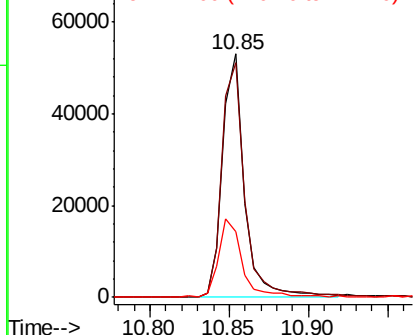
#41
 2,4,6-Tribromophenol
 Concen: 19.739 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108214.D
 Acq: 17 Aug 2018 00:03

Instrument :
 BNA_F
 ClientSampleId :
 TOD1-IB-0-4

Tgt Ion:330 Resp: 51262
 Ion Ratio Lower Upper
 330 100
 332 101.2 77.0 115.6
 141 35.0 29.9 44.9

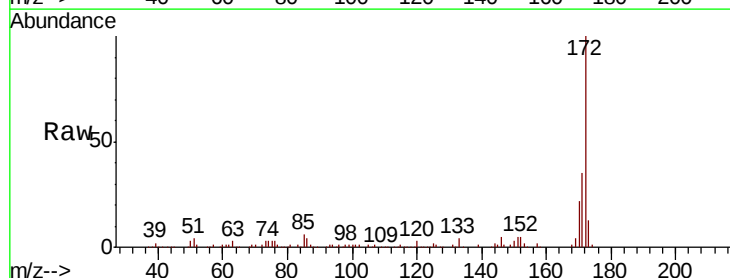


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

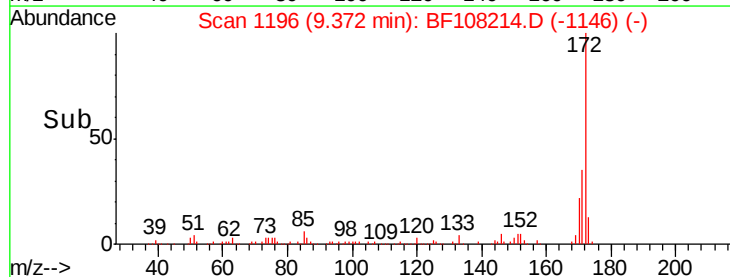
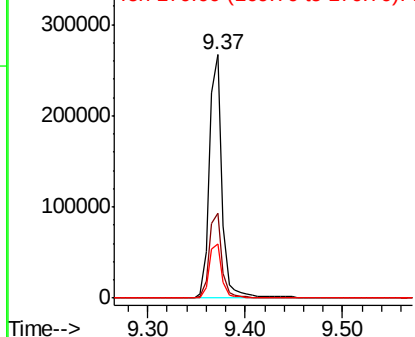


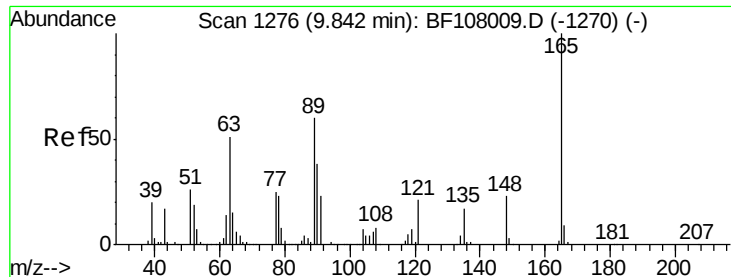
#44
 2-Fluorobiphenyl
 Concen: 14.852 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108214.D
 Acq: 17 Aug 2018 00:03

Tgt Ion:172 Resp: 240847
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 22.4 19.6 29.4



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

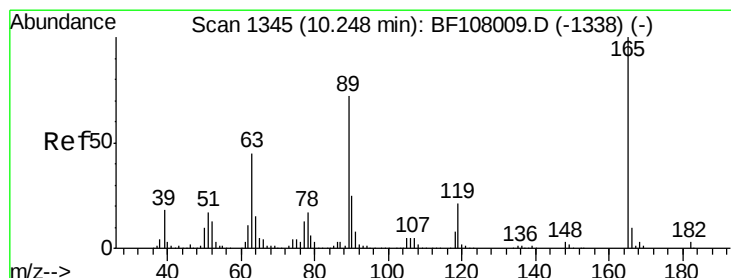
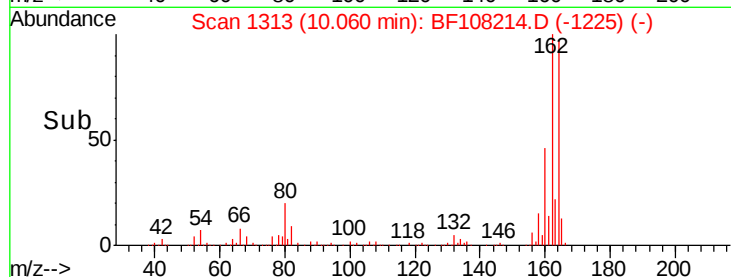
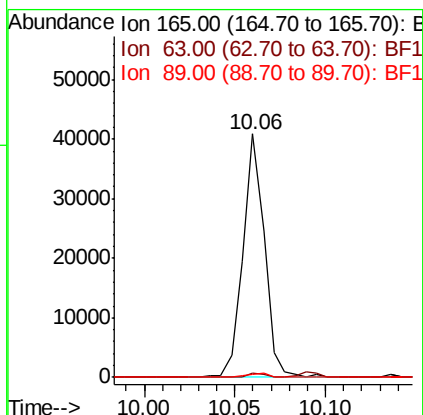
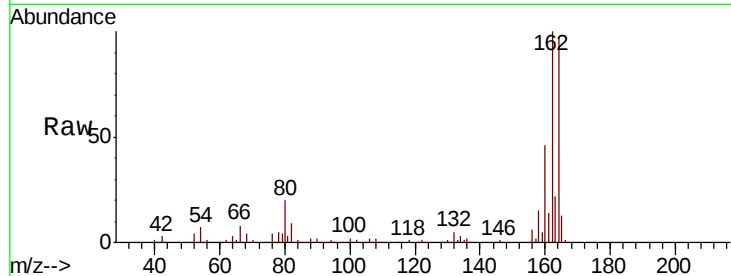




#50
 2,6-Dinitrotoluene
 Concen: 8.861 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108214.D
 Acq: 17 Aug 2018 00:03

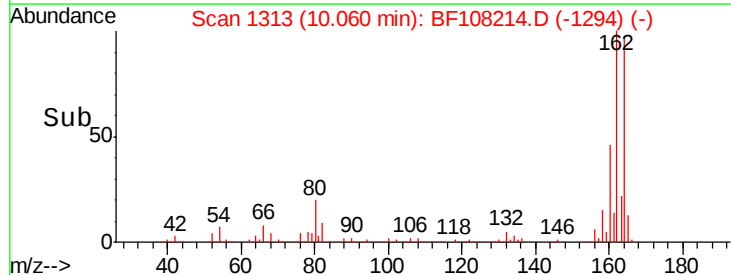
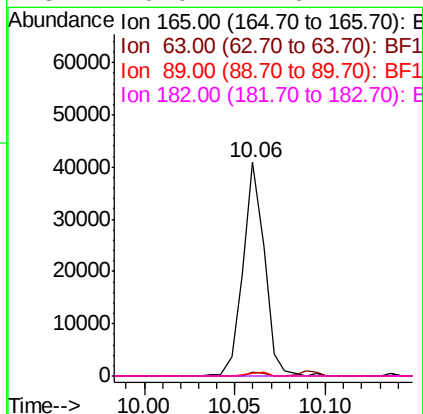
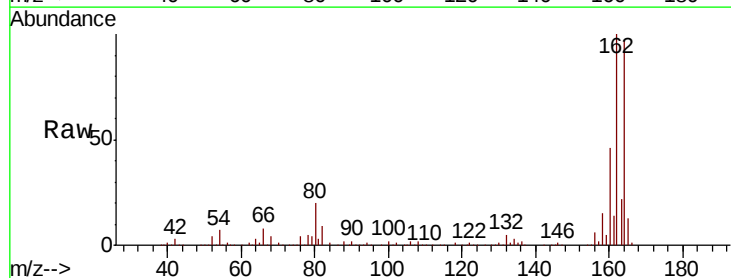
Instrument :
 BNA_F
 ClientSampleId :
 TOD1-IB-0-4

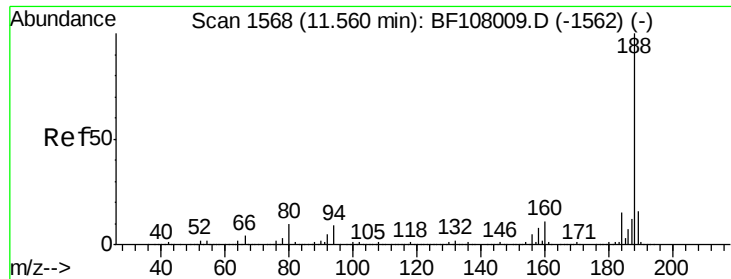
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.884 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108214.D
 Acq: 17 Aug 2018 00:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

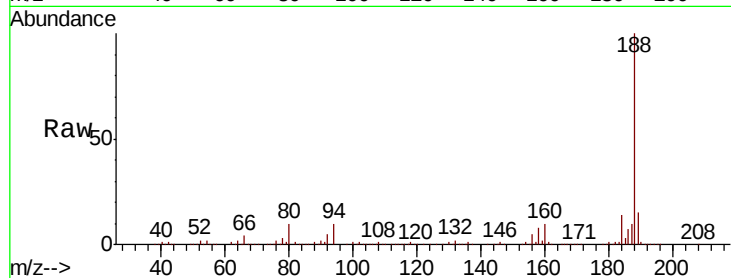




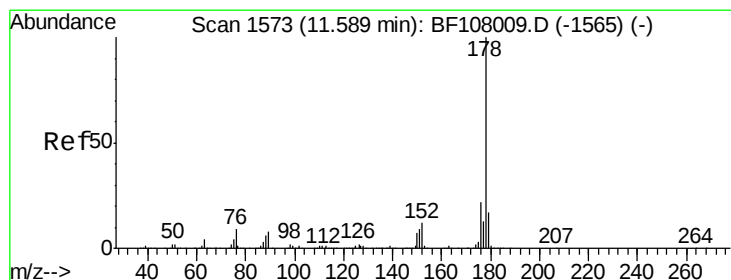
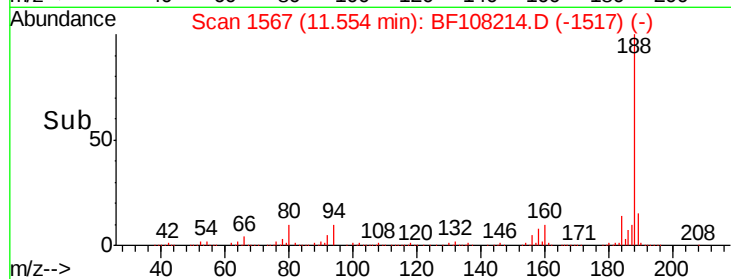
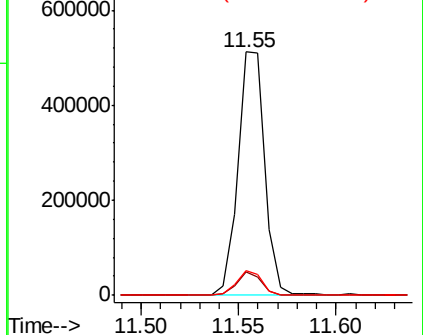
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108214.D
Acq: 17 Aug 2018 00:03

Instrument :
BNA_F
ClientSampleId :
TOD1-IB-0-4

Tgt Ion:188 Resp: 486809
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.4 9.2 13.8

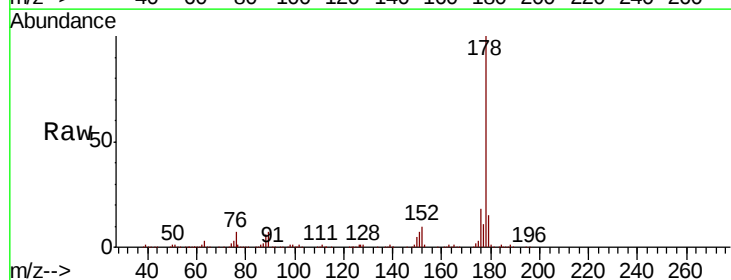


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

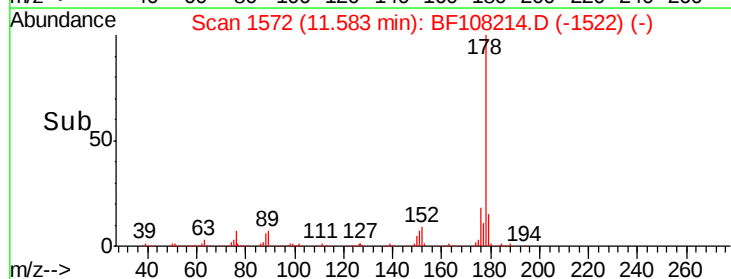
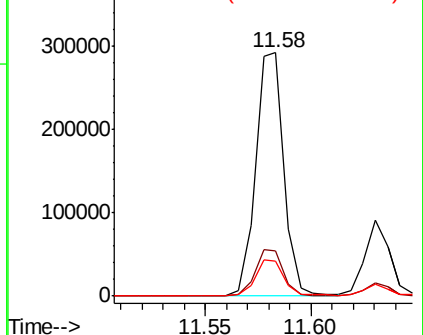


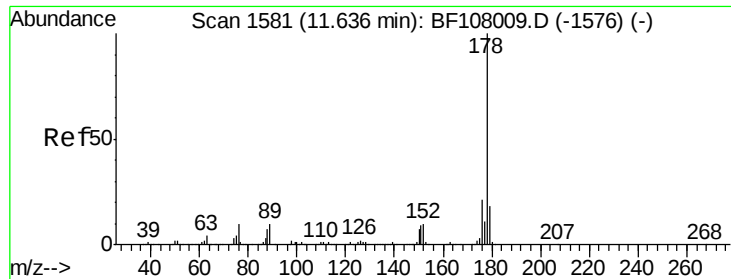
#70
Phenanthrene
Concen: 11.817 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108214.D
Acq: 17 Aug 2018 00:03

Tgt Ion:178 Resp: 271324
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 14.6 13.0 19.6



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

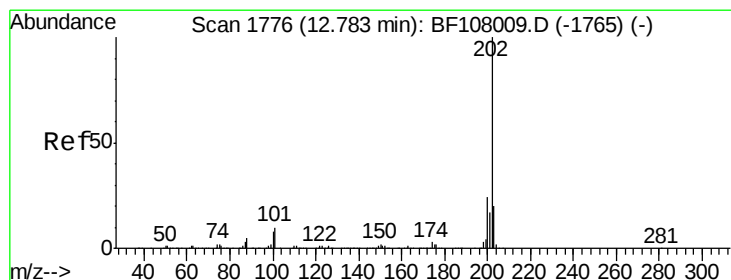
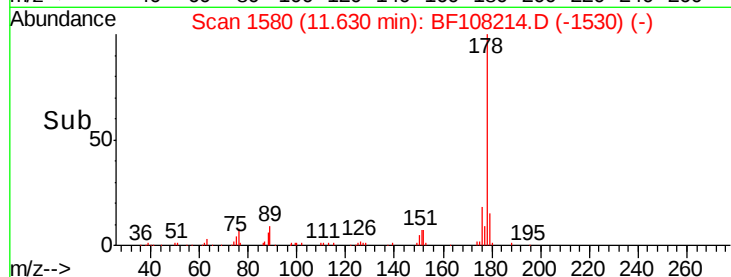
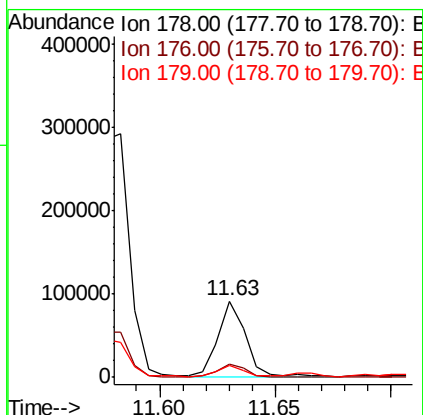
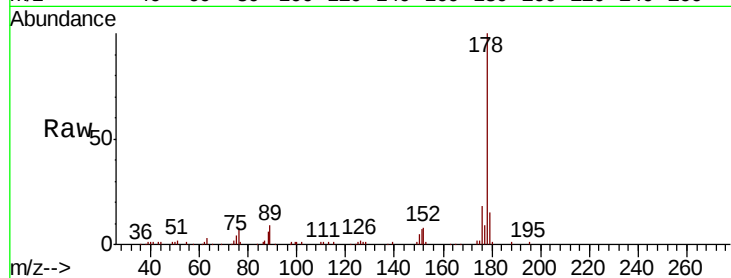




#71
 Anthracene
 Concen: 3.185 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108214.D
 Acq: 17 Aug 2018 00:03

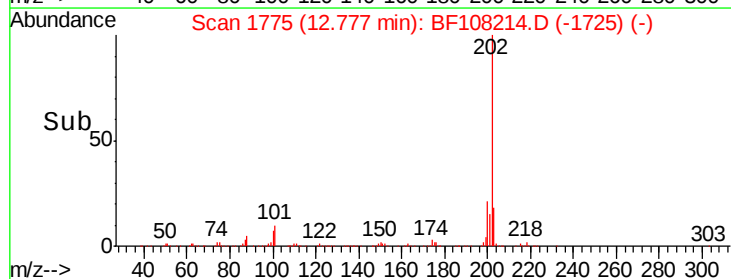
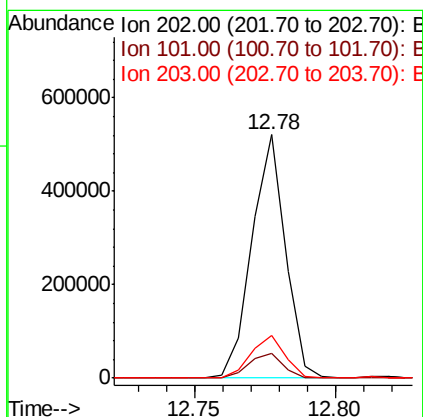
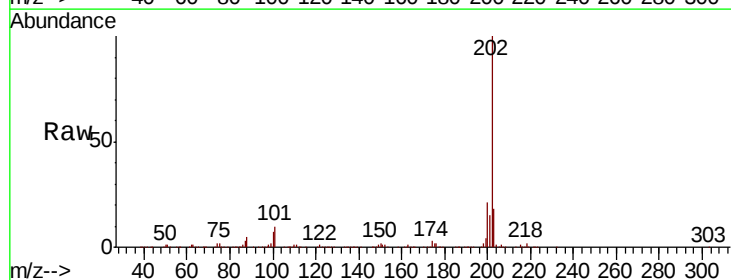
Instrument :
 BNA_F
 ClientSampleId :
 TOD1-IB-0-4

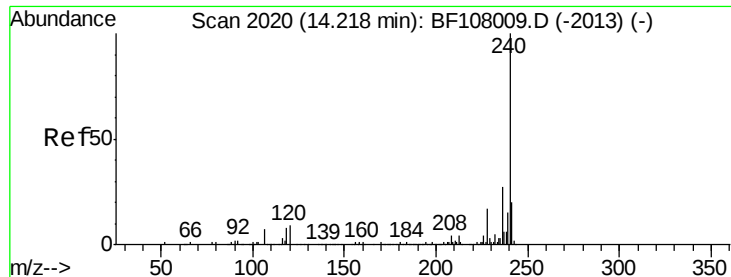
Tgt Ion:178 Resp: 74944
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.2
 179 15.2 12.6 19.0



#74
 Fluoranthene
 Concen: 17.176 ng
 RT: 12.78 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF108214.D
 Acq: 17 Aug 2018 00:03

Tgt Ion:202 Resp: 430410
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 34.1
 203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Instrument :

BNA_F

ClientSampleId :

TOD1-IB-0-4

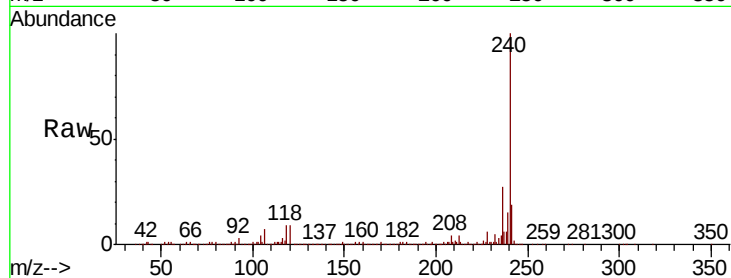
Tgt Ion:240 Resp: 462036

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

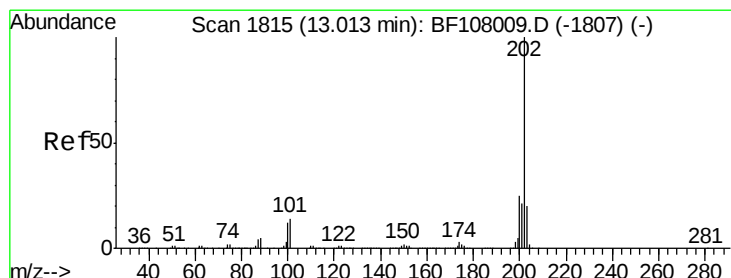
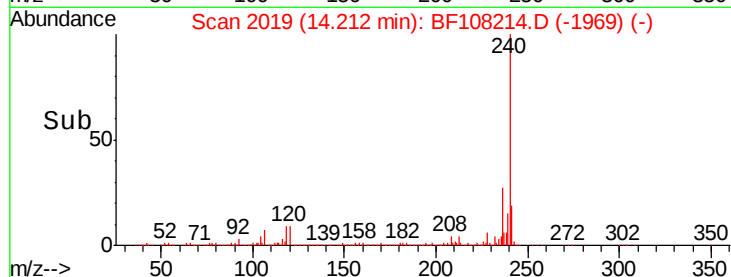
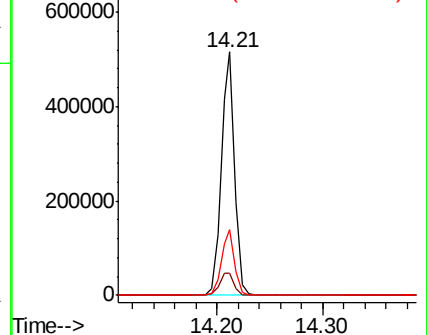
236 27.0 20.7 31.1



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



#77

Pyrene

Concen: 16.549 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

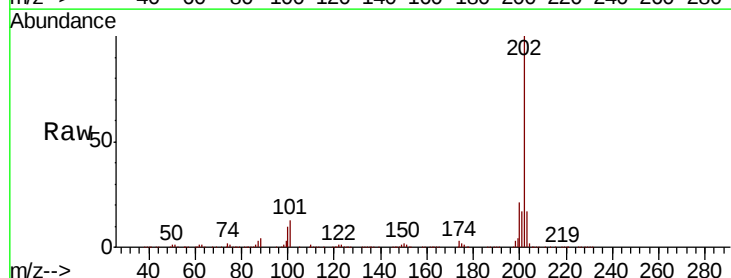
Tgt Ion:202 Resp: 484097

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

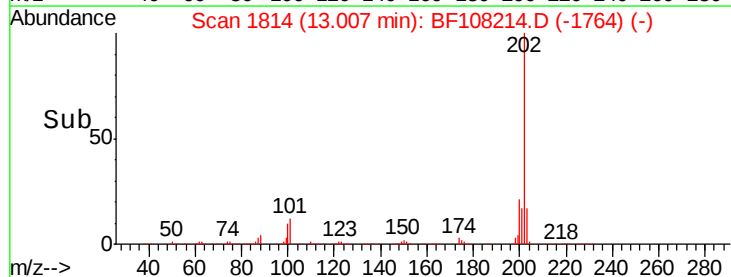
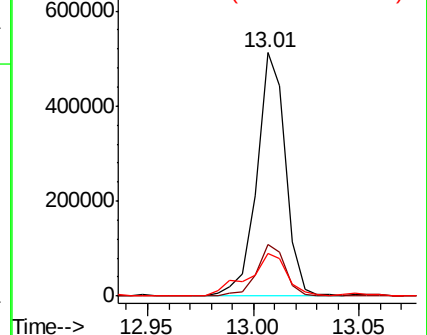
203 17.4 14.3 21.5

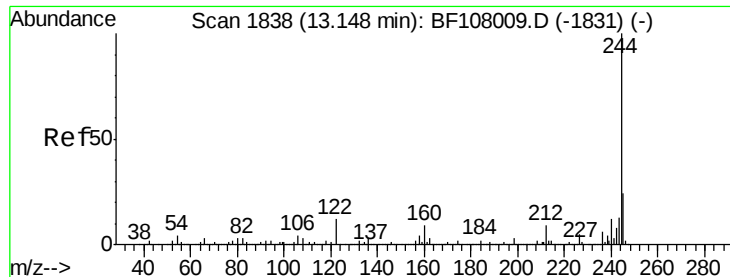


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.670 ng

RT: 13.14 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Instrument :

BNA_F

ClientSampleId :

TOD1-IB-0-4

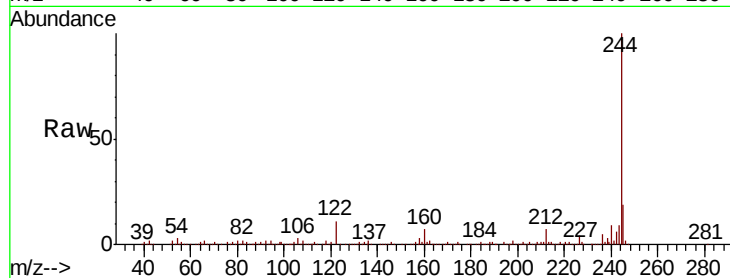
Tgt Ion:244 Resp: 266584

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

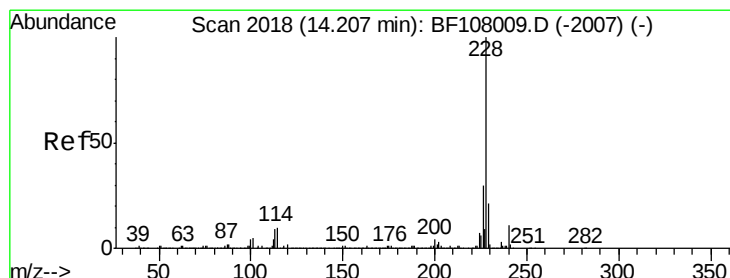
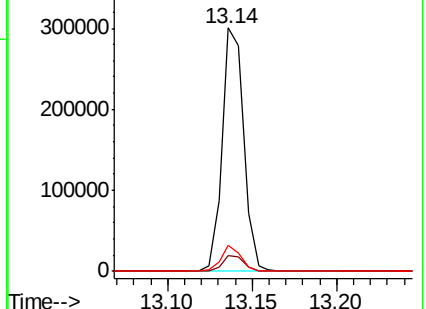
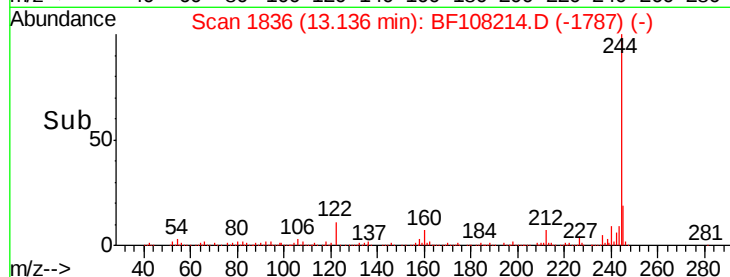
122 10.6 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 8.324 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

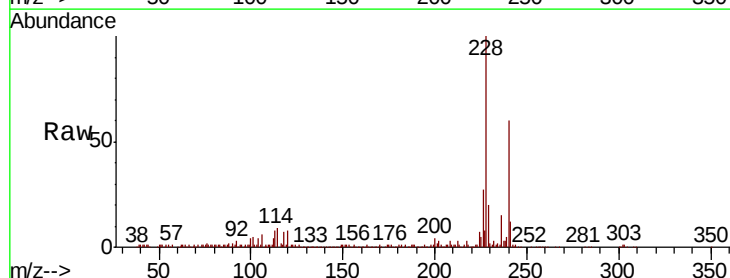
Tgt Ion:228 Resp: 220727

Ion Ratio Lower Upper

228 100

226 26.8 22.6 33.8

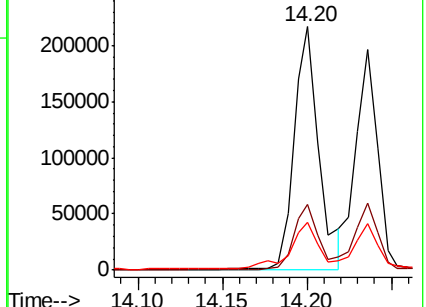
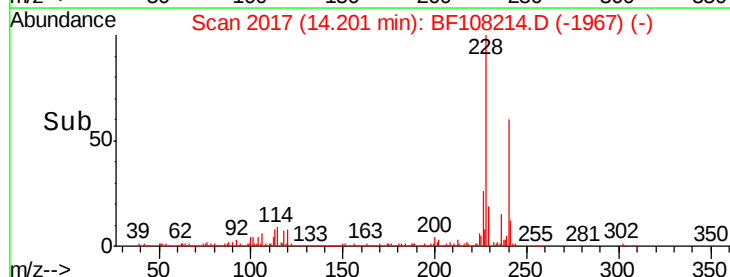
229 19.6 15.8 23.6

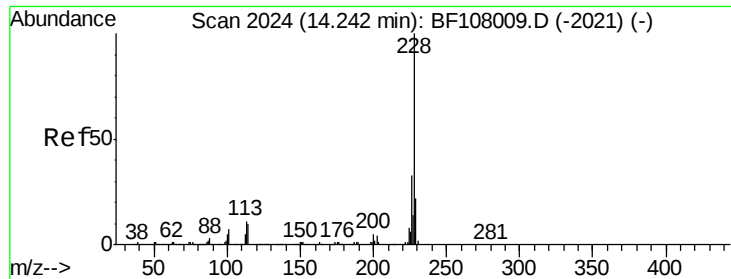


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

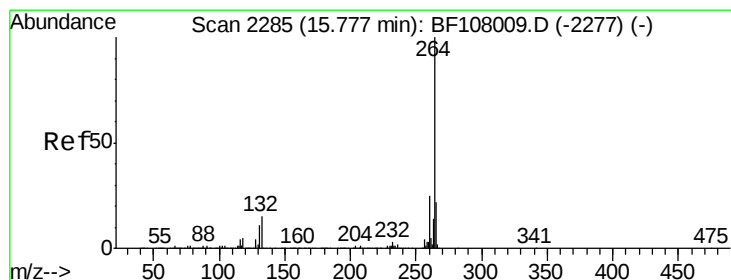
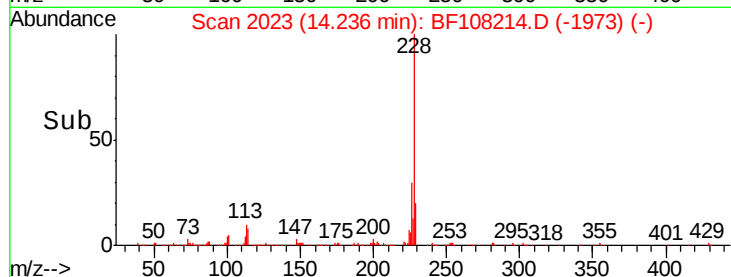
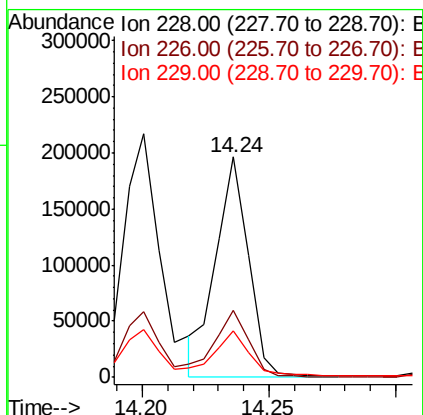
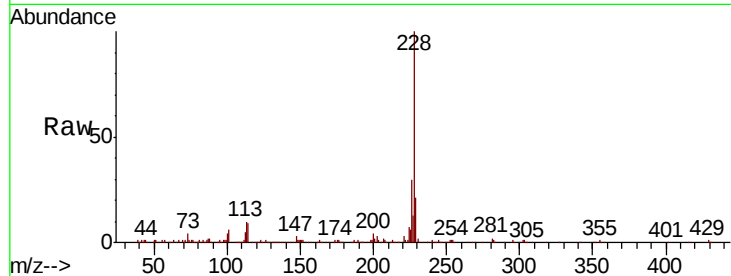




#82
Chrysene
Concen: 7.207 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108214.D
Acq: 17 Aug 2018 00:03

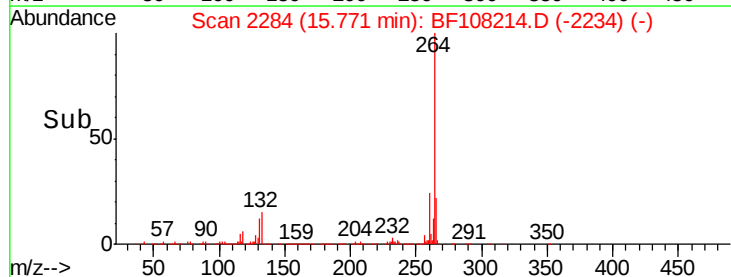
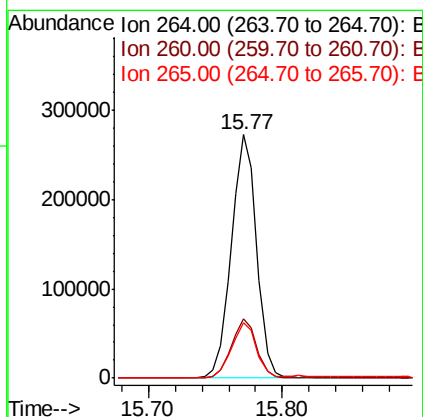
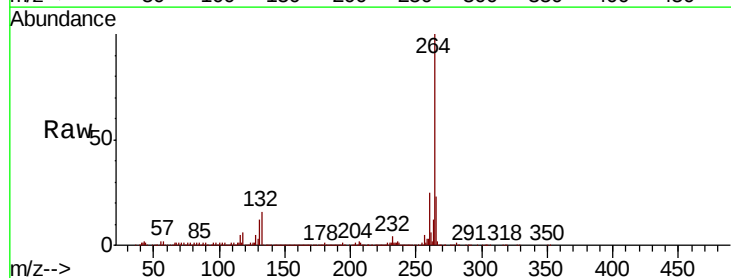
Instrument :
BNA_F
ClientSampleId :
TOD1-IB-0-4

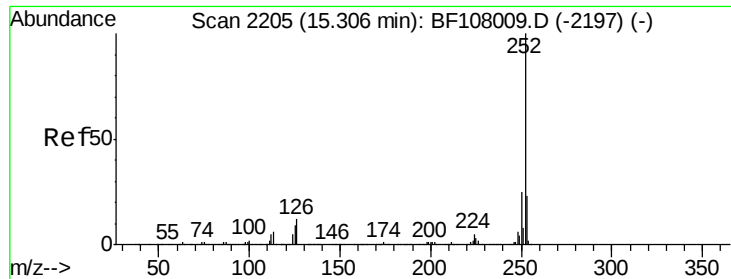
Tgt Ion: 228 Resp: 175193
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 20.9 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108214.D
Acq: 17 Aug 2018 00:03

Tgt Ion: 264 Resp: 361126
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 22.5 17.5 26.3

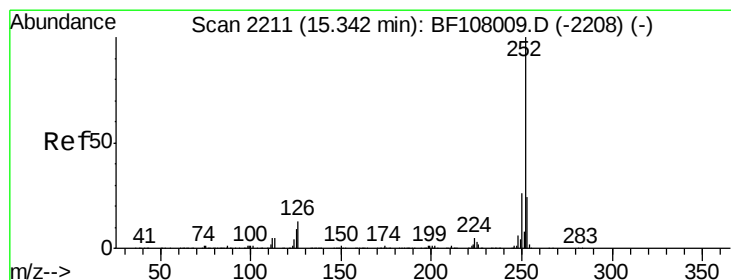
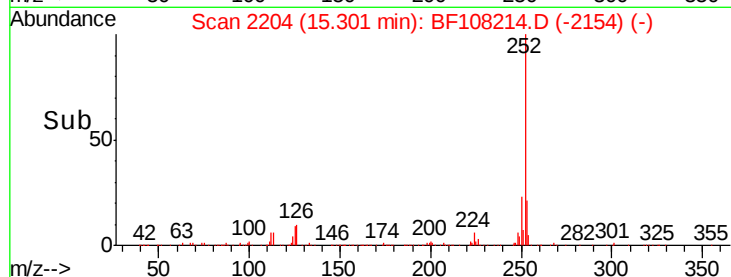
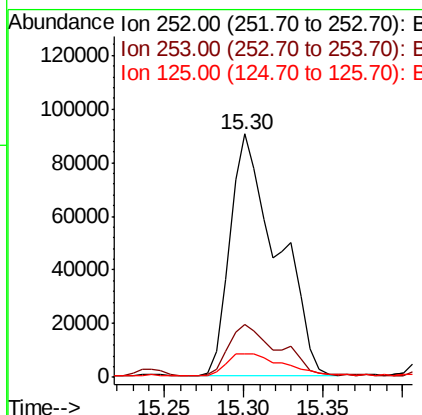
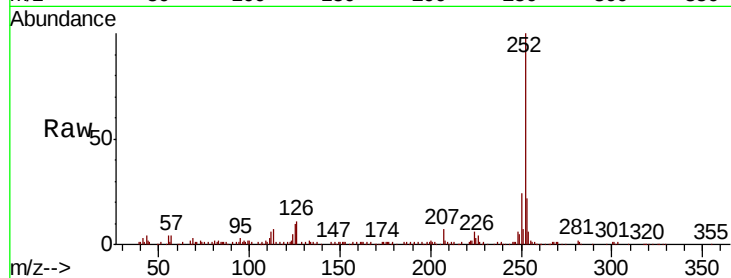




#87
Benzo(b)fluoranthene
Concen: 8.667 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108214.D
Acq: 17 Aug 2018 00:03

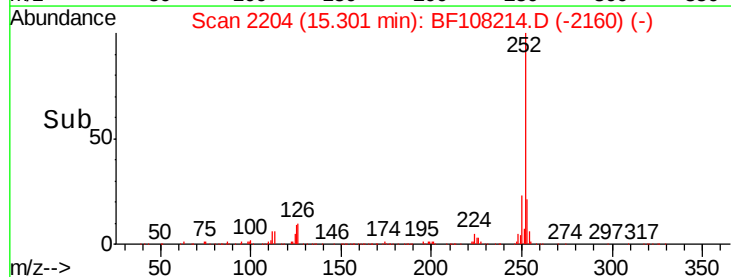
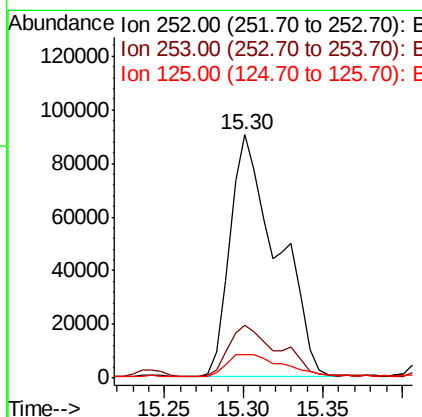
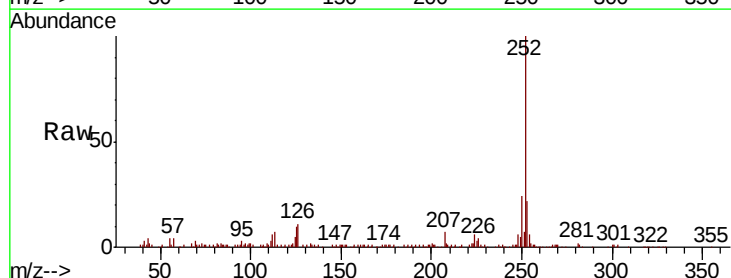
Instrument :
BNA_F
ClientSampleId :
TOD1-IB-0-4

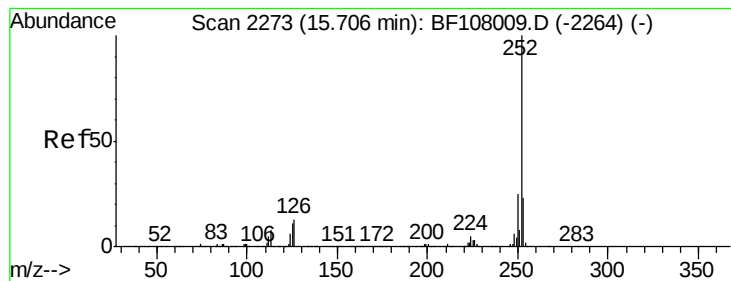
Tgt Ion:252 Resp: 187031
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 9.8 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 9.429 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF108214.D
Acq: 17 Aug 2018 00:03

Tgt Ion:252 Resp: 187031
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 9.8 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 5.496 ng

RT: 15.70 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Instrument :

BNA_F

ClientSampleId :

TOD1-IB-0-4

Tgt Ion:252 Resp: 106192

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

125 12.0 9.8 14.6

