

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
 Data File : BF108097.D
 Acq On : 10 Aug 2018 21:18
 Operator : JU/SJ
 Sample : J4272-19 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-J

Quant Time: Aug 10 23:14:02 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	285742	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	988173	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	415599	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	714572	20.00	ng	0.00
75) Chrysene-d12	14.22	240	583318	20.00	ng	0.00
86) Perylene-d12	15.79	264	388987	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	912762	57.83	ng	0.00
7) Phenol-d6	6.63	99	1213336	57.85	ng	0.00
23) Nitrobenzene-d5	7.58	82	745059	42.07	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	219304	52.90	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1169527	45.18	ng	0.00
78) Terphenyl-d14	13.15	244	1028068	44.81	ng	0.00

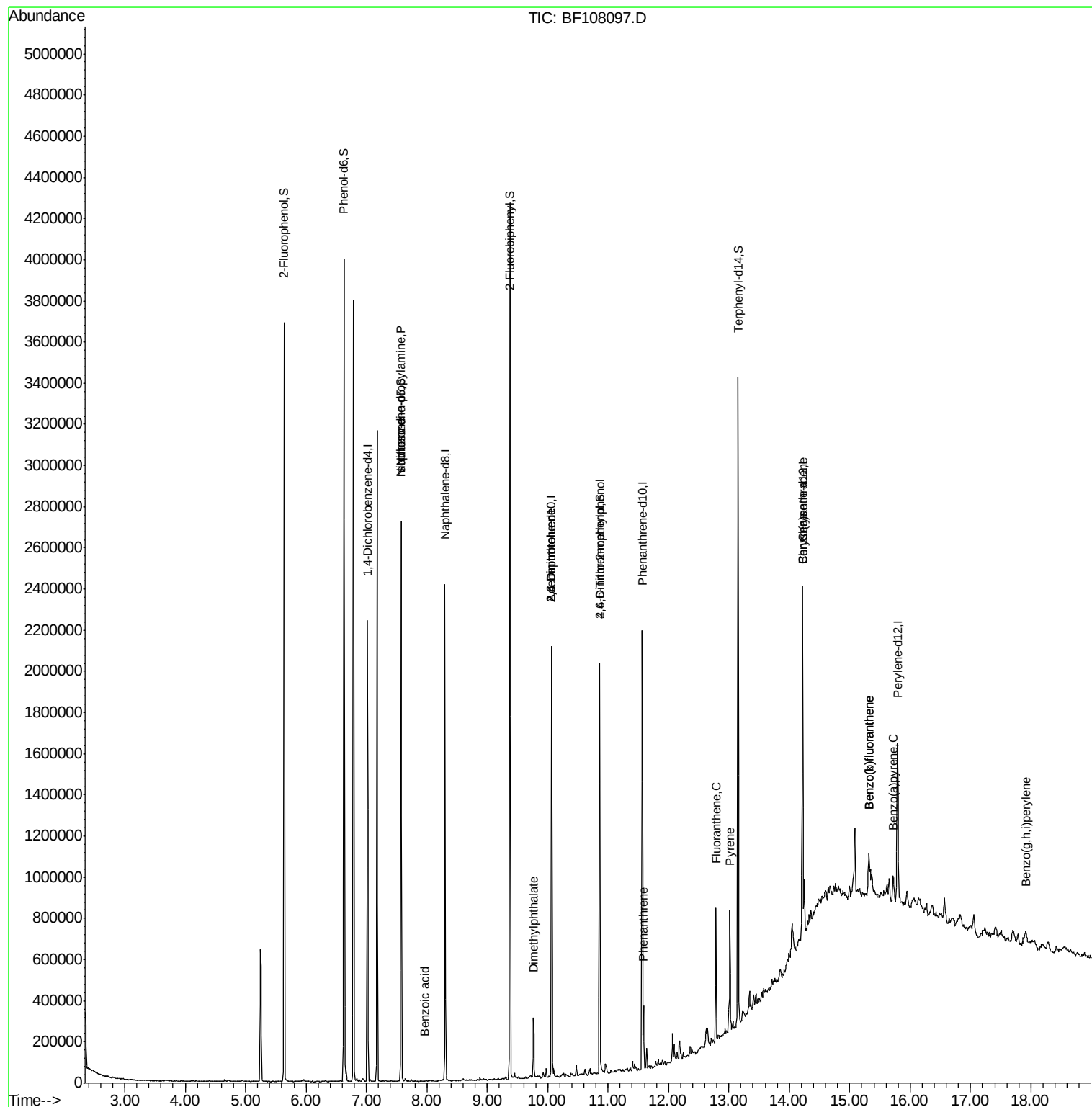
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	100583	7.092	ng	# 84
25) Isophorone	7.58	82	745182	22.077	ng	# 64
32) Benzoic acid	7.97	122	113	5.986	ng	# 1
49) Dimethylphthalate	9.77	163	96379	3.329	ng	99
50) 2,6-Dinitrotoluene	10.07	165	53625	8.854	ng	# 25
56) 2,4-Dinitrotoluene	10.07	165	53625	6.878	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.86	198	321	5.465	ng	# 1
70) Phenanthrene	11.59	178	98062	2.910	ng	99
74) Fluoranthene	12.78	202	254132	6.909	ng	95
77) Pyrene	13.02	202	235957	6.389	ng	98
80) Benzo(a)anthracene	14.21	228	114849	3.431	ng	95
82) Chrysene	14.21	228	114849	3.742	ng	96
87) Benzo(b)fluoranthene	15.32	252	126746	5.453	ng	# 81
88) Benzo(k)fluoranthene	15.32	252	126746	5.932	ng	# 84
89) Benzo(a)pyrene	15.72	252	64459	3.097	ng	# 84
91) Benzo(g,h,i)perylene	17.91	276	34237	2.019	ng	# 82

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

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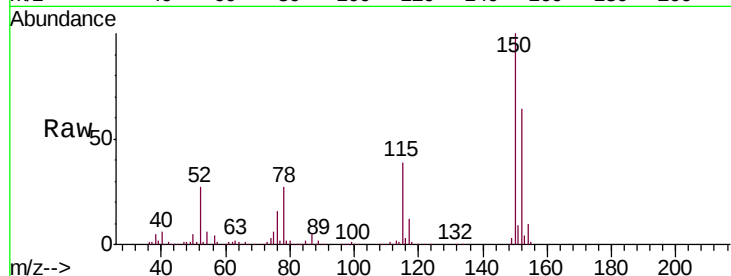


#1

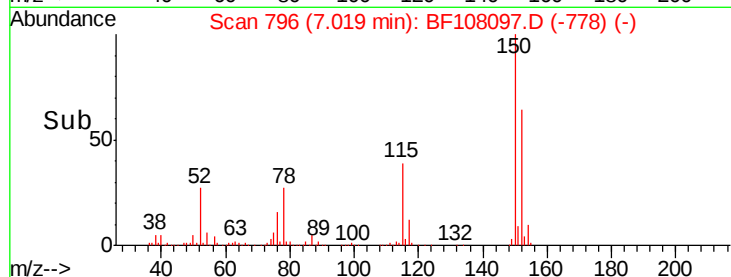
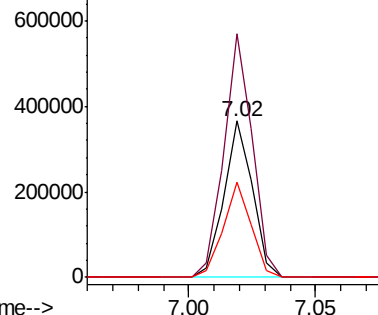
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108097.D
Acq: 10 Aug 2018 21:18

Instrument :
BNA_F
ClientSampleId :
JC-03-080918-J

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	60.4	50.1	75.1



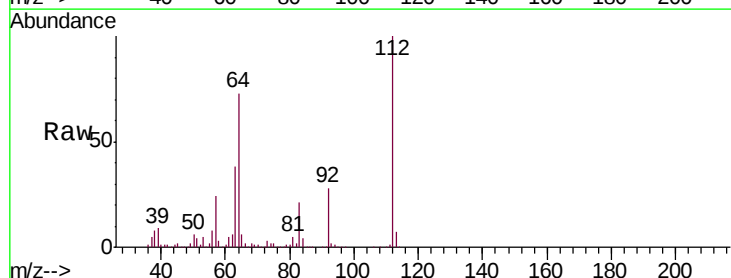
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



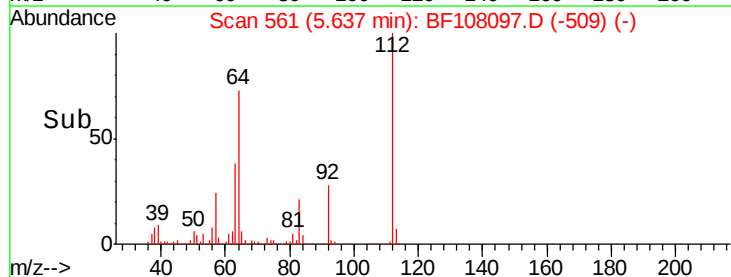
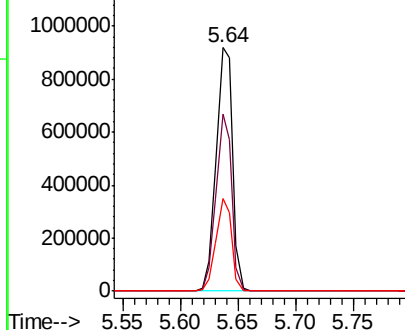
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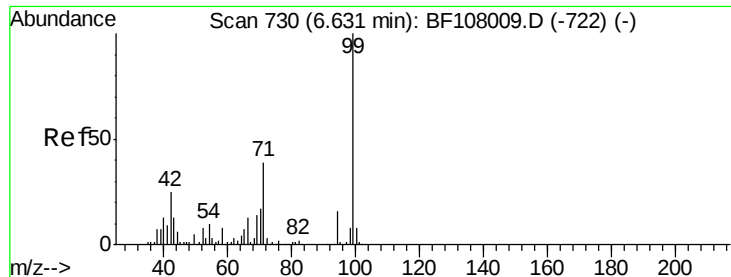
2-Fluorophenol
Concen: 57.832 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108097.D
Acq: 10 Aug 2018 21:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	47.9	71.9#
63	38.0	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: 57.851 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108097.D

Acq: 10 Aug 2018 21:18

Instrument :

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ClientSampleId :

JC-03-080918-J

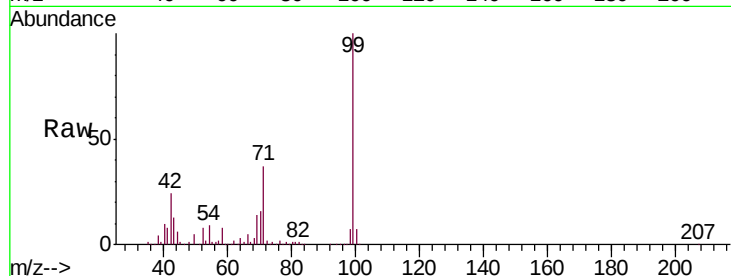
Tgt Ion: 99 Resp: 1213336

Ion Ratio Lower Upper

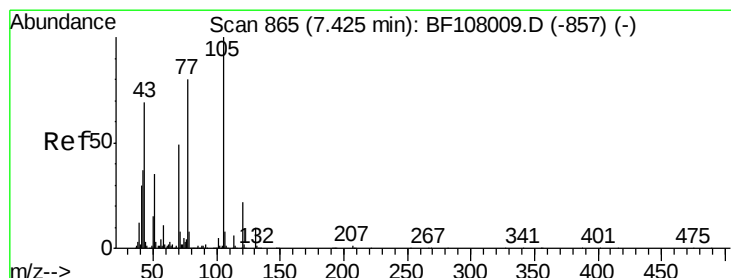
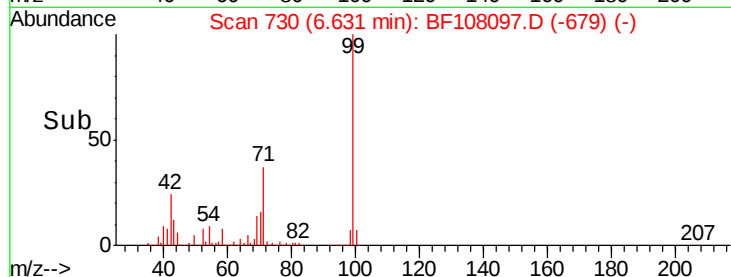
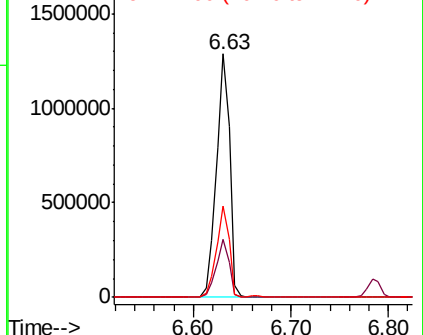
99 100

42 24.0 14.5 21.7#

71 37.4 25.4 38.0



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: 7.092 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108097.D

Acq: 10 Aug 2018 21:18

Tgt Ion: 70 Resp: 100583

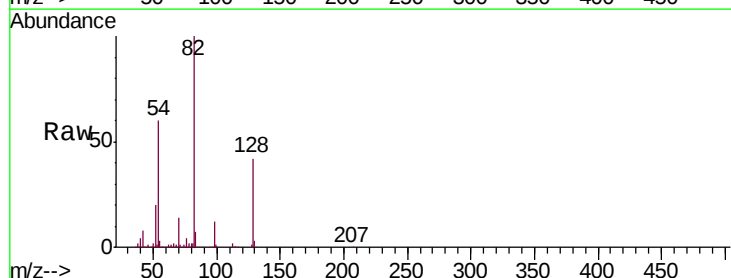
Ion Ratio Lower Upper

70 100

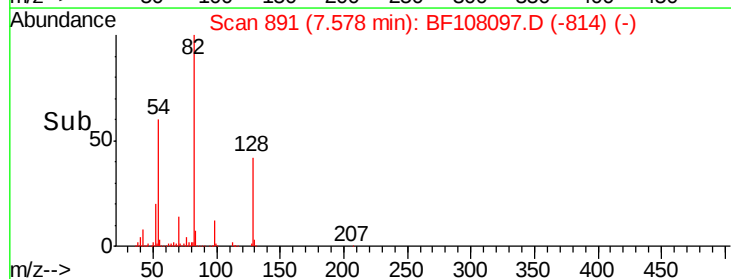
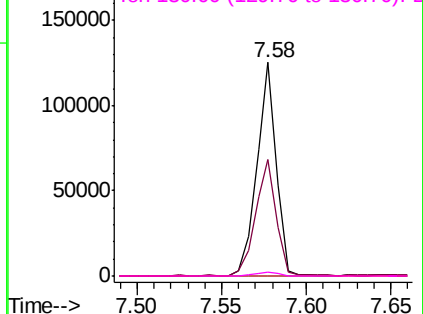
42 54.4 47.5 71.3

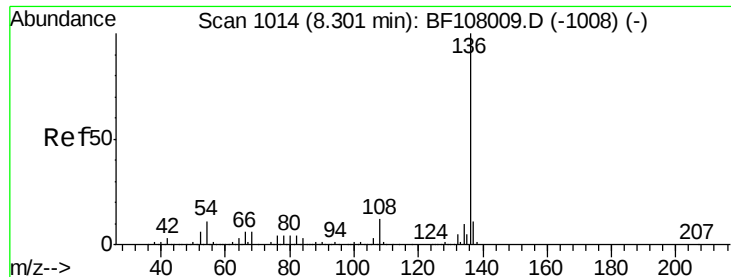
101 0.0 7.4 11.2#

130 2.0 16.6 25.0#



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

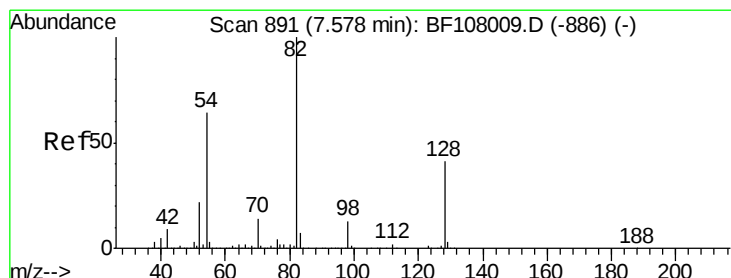
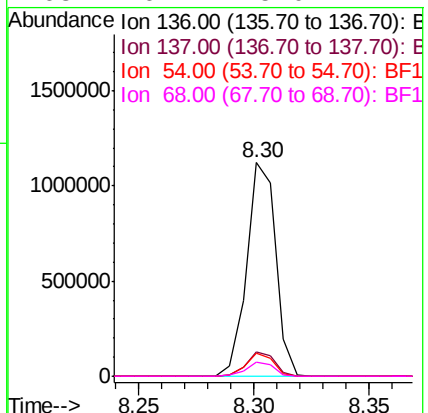
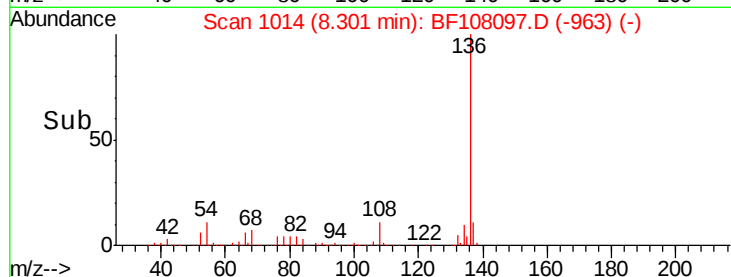
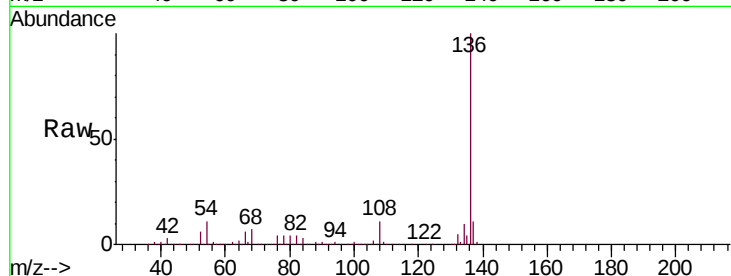




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF108097.D
Acq: 10 Aug 2018 21:18

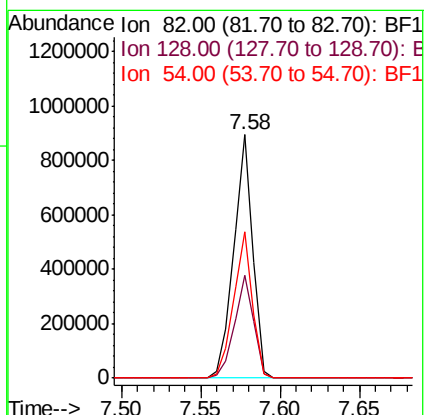
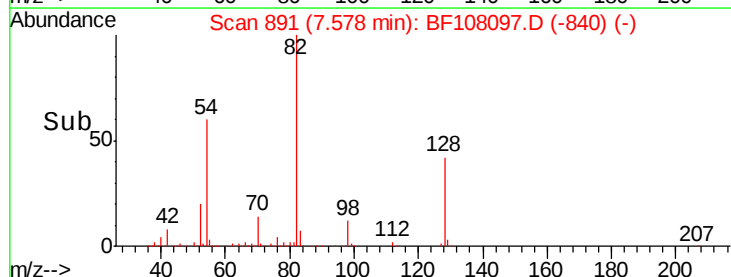
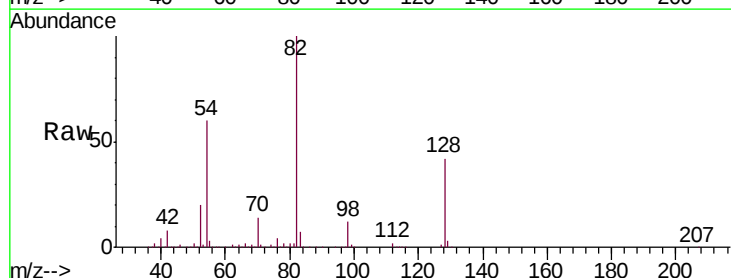
Instrument :
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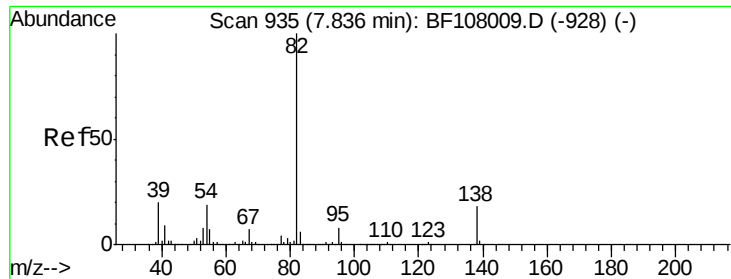
Tgt Ion:	136	Resp:	988173
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	10.8	6.6	9.8#
68	6.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 42.073 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.00 min
Lab File: BF108097.D
Acq: 10 Aug 2018 21:18

Tgt Ion:	82	Resp:	745059
Ion	Ratio	Lower	Upper
82	100		
128	42.4	36.1	54.1
54	59.9	41.4	62.2





#25

Isophorone

Concen: 22.077 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108097.D

Acq: 10 Aug 2018 21:18

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-J

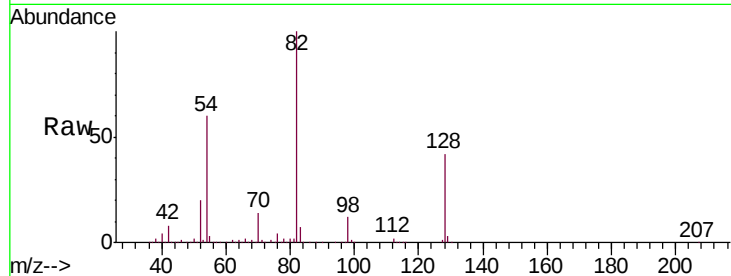
Tgt Ion: 82 Resp: 745182

Ion Ratio Lower Upper

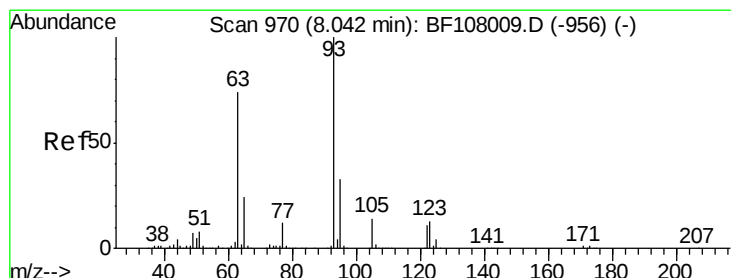
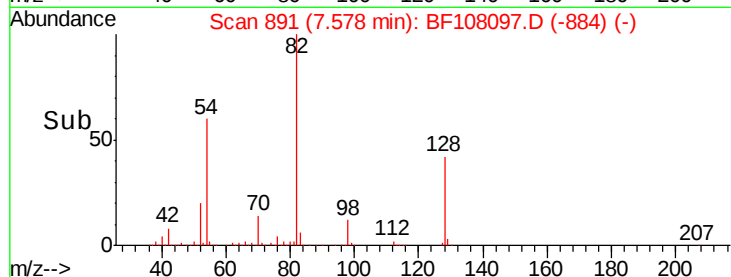
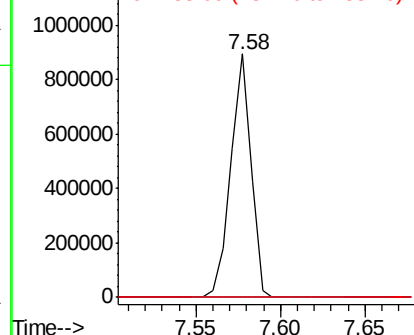
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
1200000
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 5.986 ng

RT: 7.97 min Scan# 957

Delta R.T. -0.08 min

Lab File: BF108097.D

Acq: 10 Aug 2018 21:18

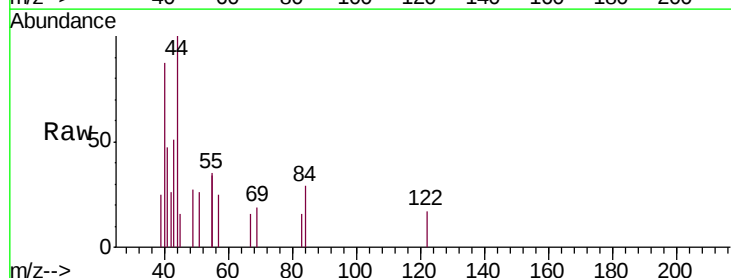
Tgt Ion: 122 Resp: 113

Ion Ratio Lower Upper

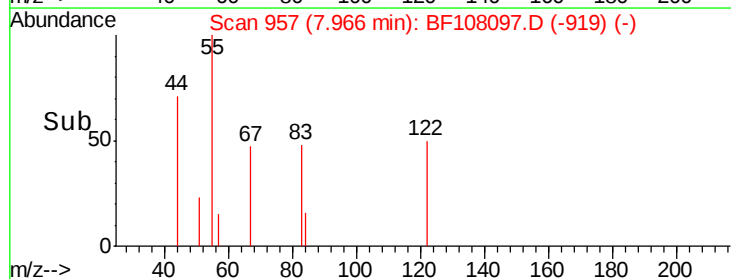
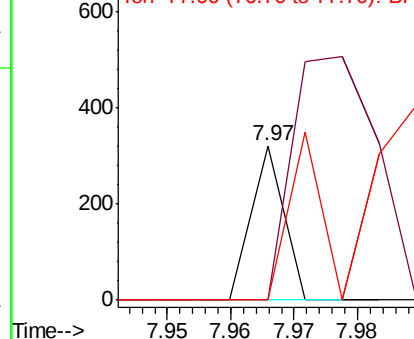
122 100

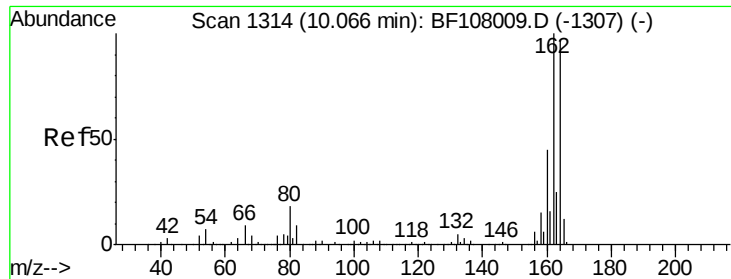
105 0.0 101.1 141.1#

77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
600
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

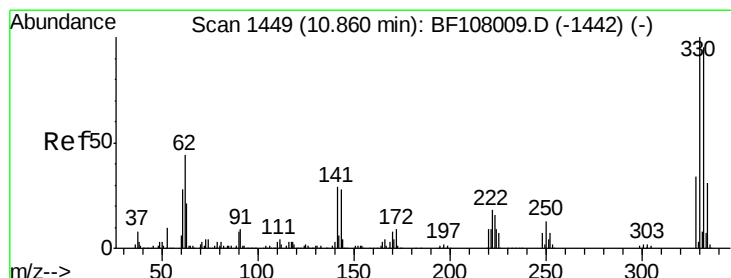
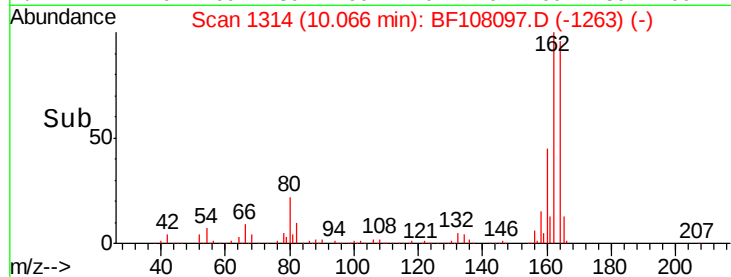
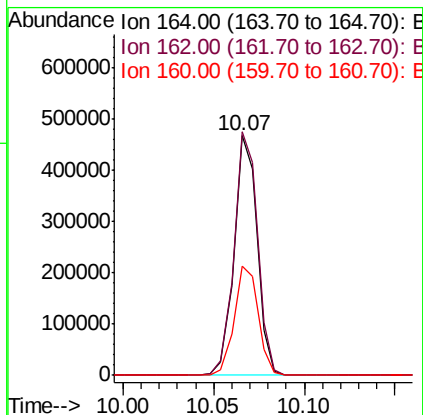
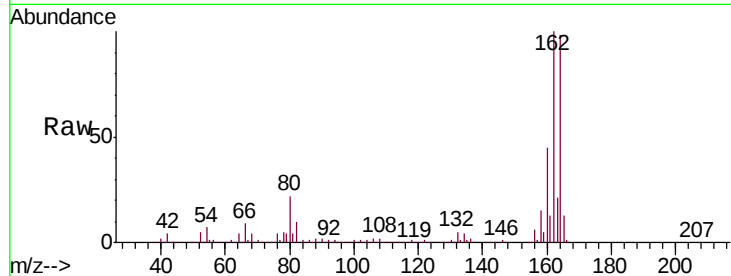




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: BF108097.D
 Acq: 10 Aug 2018 21:18

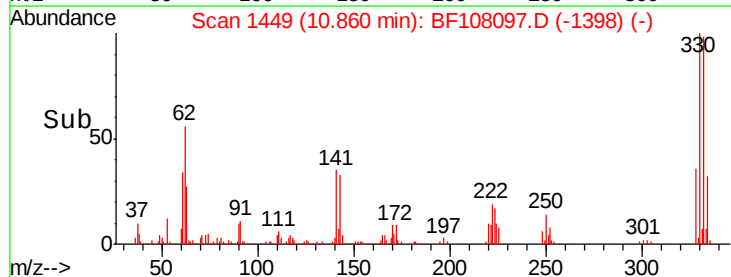
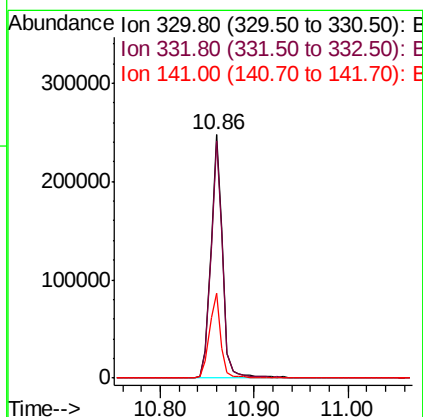
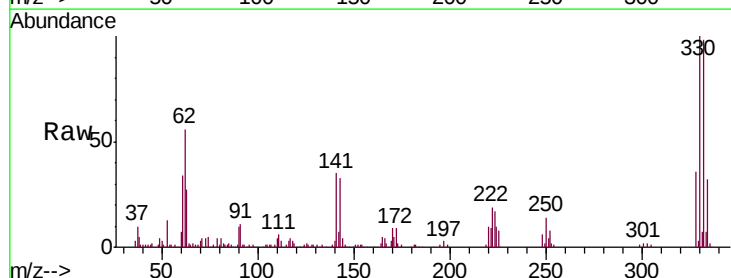
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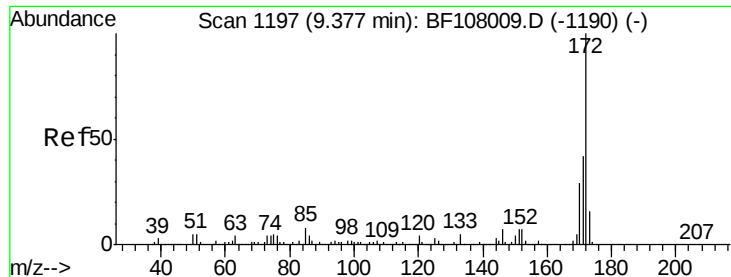
Tgt Ion:164 Resp: 415599
 Ion Ratio Lower Upper
 164 100
 162 101.6 86.1 129.1
 160 45.5 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 52.902 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. -0.00 min
 Lab File: BF108097.D
 Acq: 10 Aug 2018 21:18

Tgt Ion:330 Resp: 219304
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 34.7 29.9 44.9

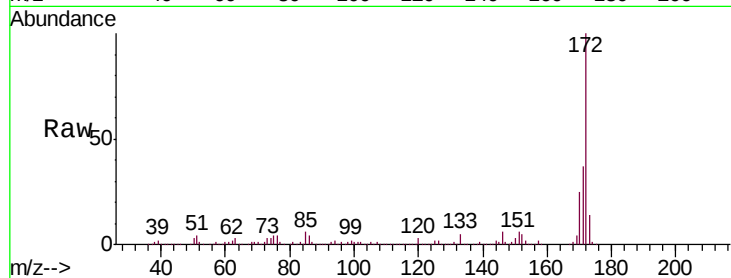




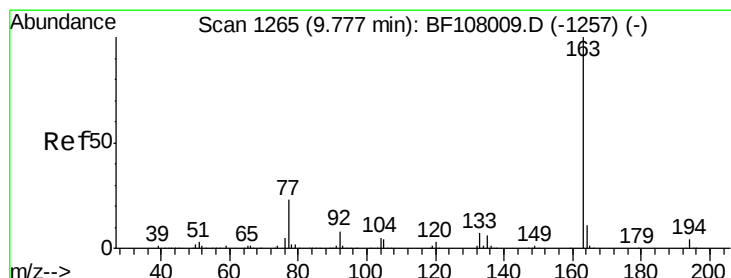
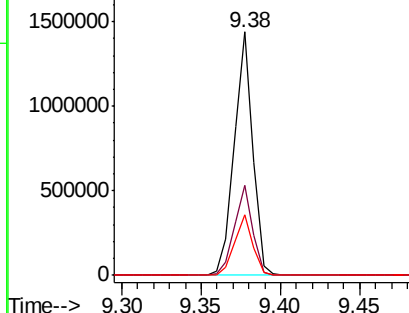
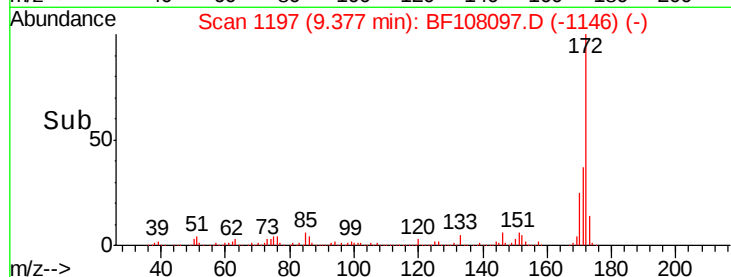
#44
2-Fluorobiphenyl
Concen: 45.179 ng
RT: 9.38 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BF108097.D
Acq: 10 Aug 2018 21:18

Instrument :
BNA_F
ClientSampleId :
JC-03-080918-J

Tgt Ion:172 Resp: 1169527
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.9 19.6 29.4

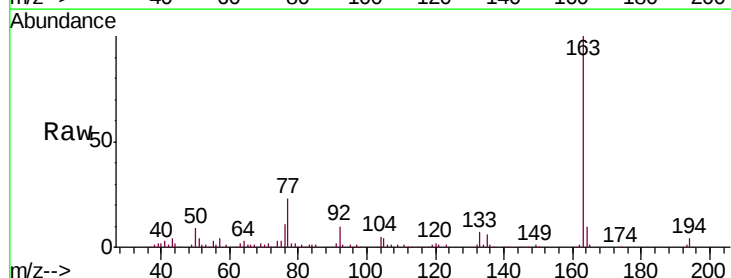


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

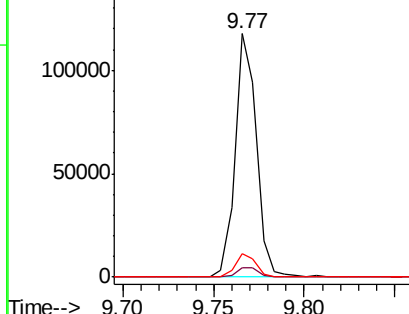
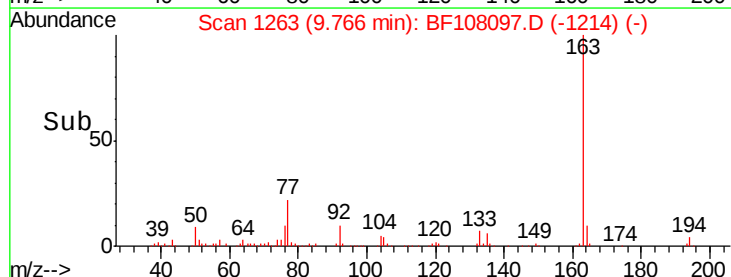


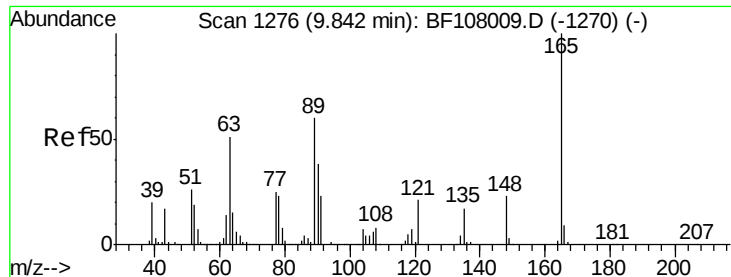
#49
Dimethylphthalate
Concen: 3.329 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108097.D
Acq: 10 Aug 2018 21:18

Tgt Ion:163 Resp: 96379
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.7 8.2 12.2



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

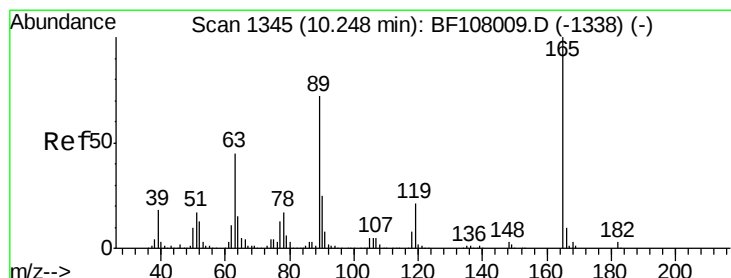
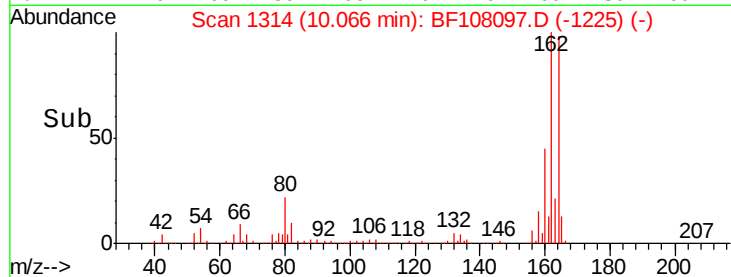
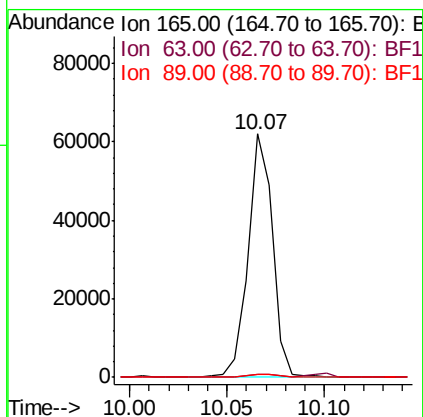
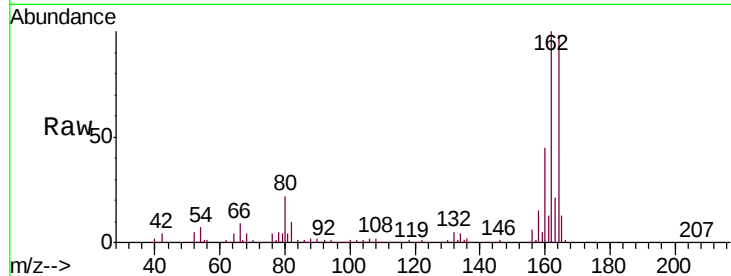




#50
 2,6-Dinitrotoluene
 Concen: 8.854 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.22 min
 Lab File: BF108097.D
 Acq: 10 Aug 2018 21:18

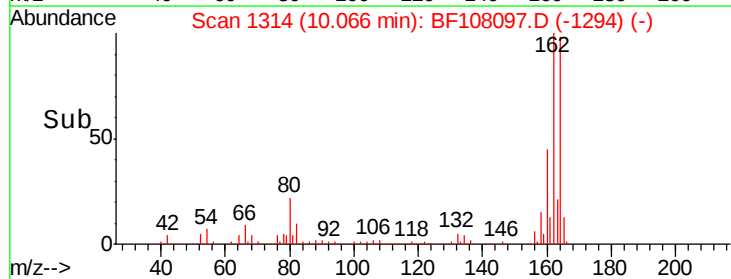
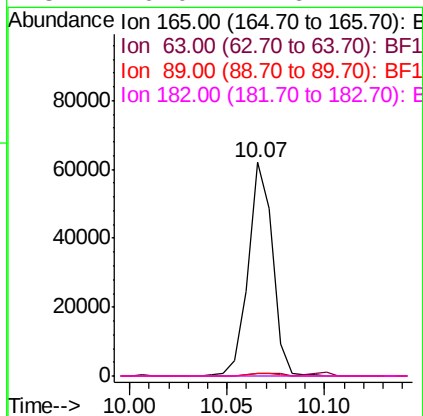
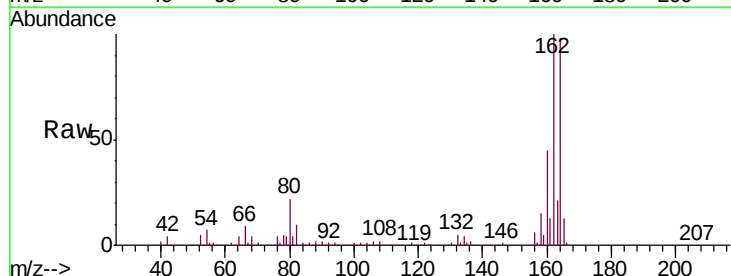
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 ClientSampleId :
 JC-03-080918-J

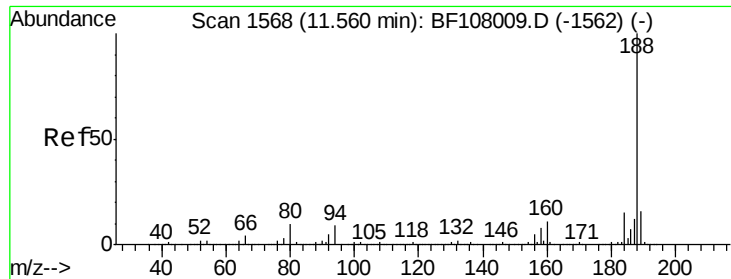
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.878 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.18 min
 Lab File: BF108097.D
 Acq: 10 Aug 2018 21:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

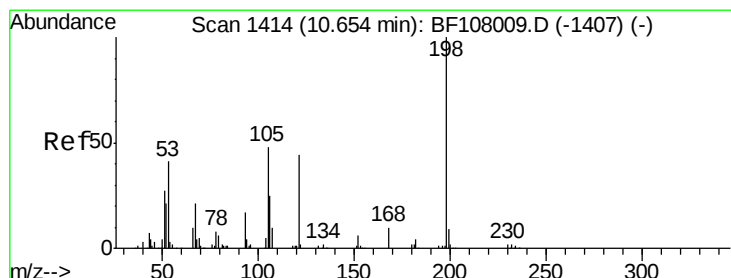
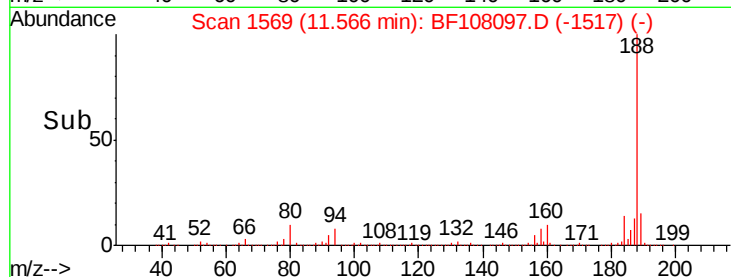
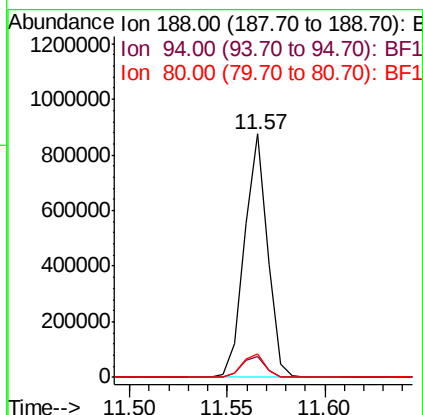
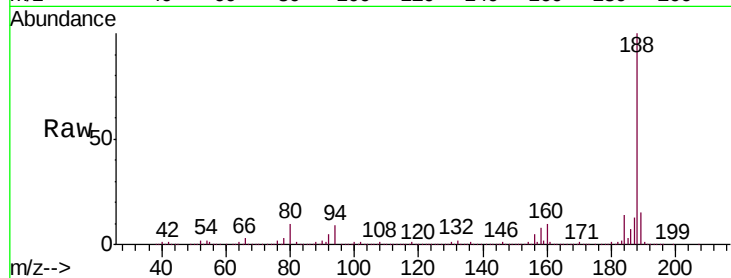




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BF108097.D
 Acq: 10 Aug 2018 21:18

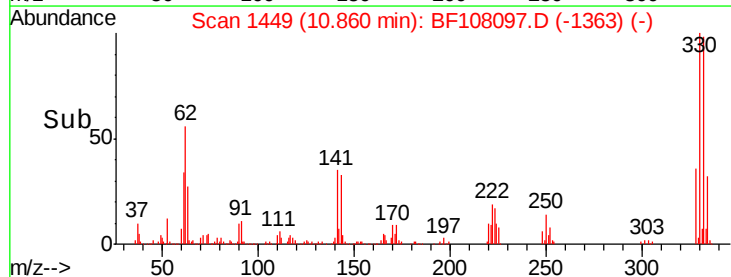
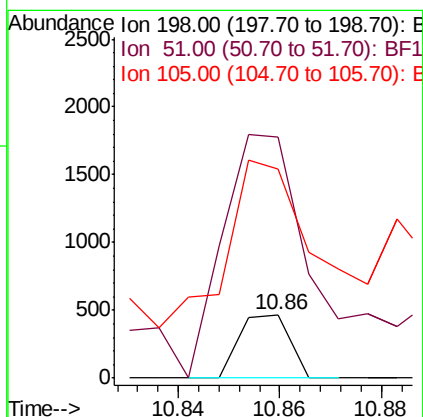
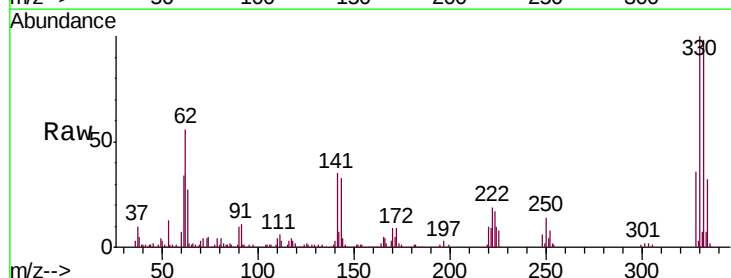
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-J

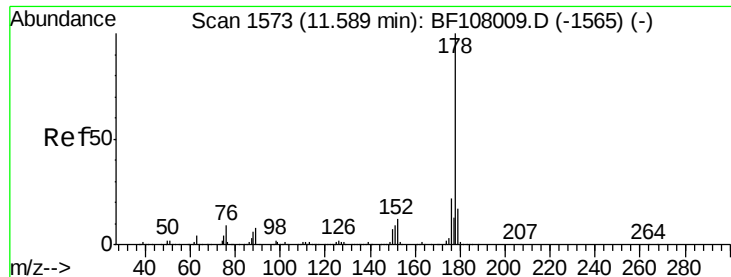
Tgt Ion:188 Resp: 714572
 Ion Ratio Lower Upper
 188 100
 94 8.5 8.5 12.7
 80 9.7 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.465 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.21 min
 Lab File: BF108097.D
 Acq: 10 Aug 2018 21:18

Tgt Ion:198 Resp: 321
 Ion Ratio Lower Upper
 198 100
 51 380.9 37.7 77.7#
 105 330.0 36.3 76.3#





#70

Phenanthrene

Concen: 2.910 ng

RT: 11.59 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF108097.D

Acq: 10 Aug 2018 21:18

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-J

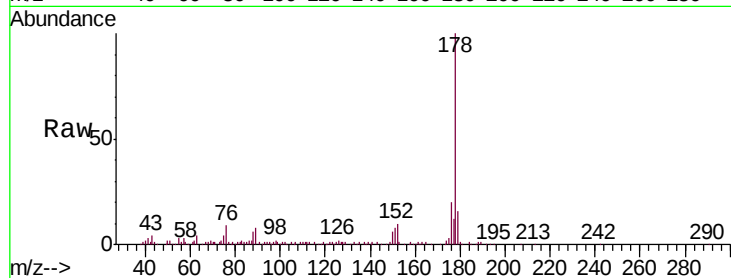
Tgt Ion:178 Resp: 98062

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

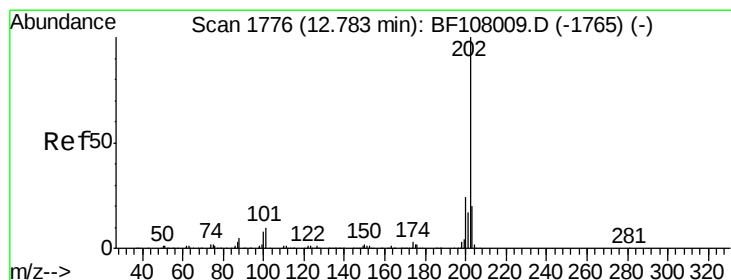
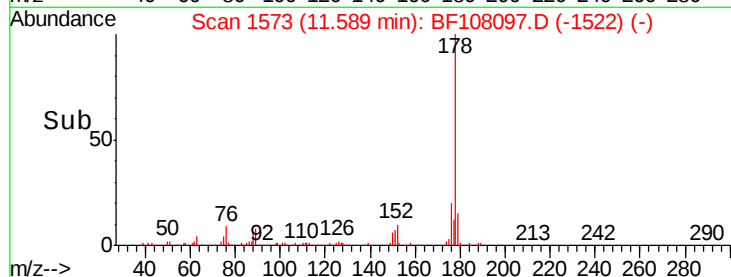
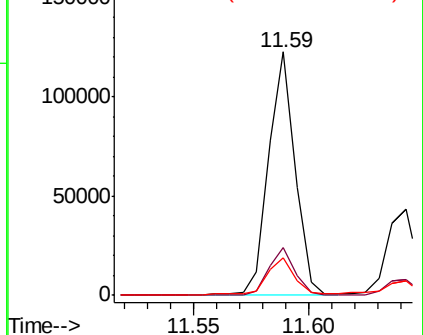
179 15.6 13.0 19.6



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



#74

Fluoranthene

Concen: 6.909 ng

RT: 12.78 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF108097.D

Acq: 10 Aug 2018 21:18

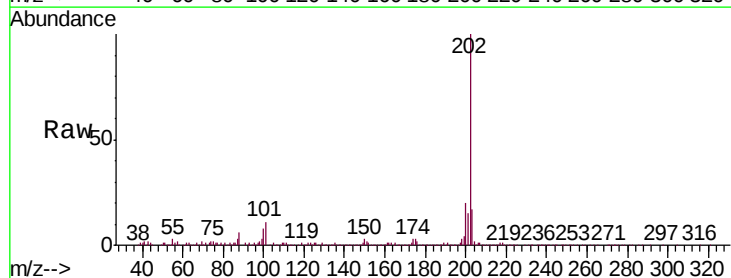
Tgt Ion:202 Resp: 254132

Ion Ratio Lower Upper

202 100

101 10.5 0.0 34.1

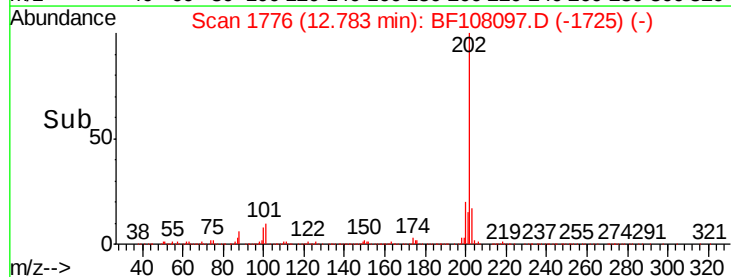
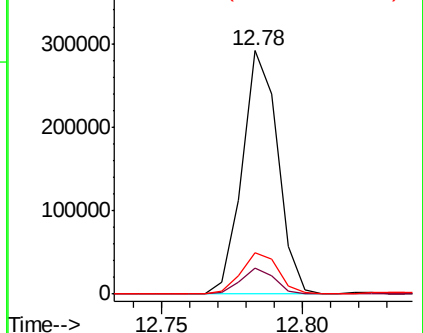
203 17.1 0.0 38.1

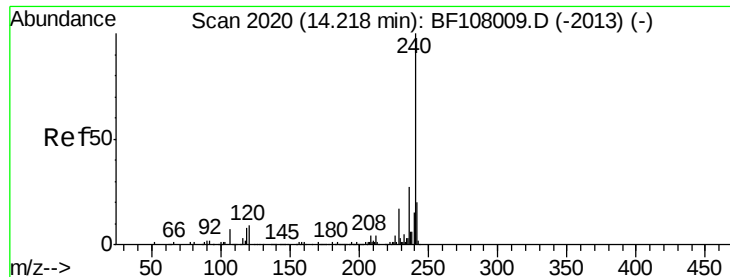


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.22 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF108097.D

Acq: 10 Aug 2018 21:18

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-J

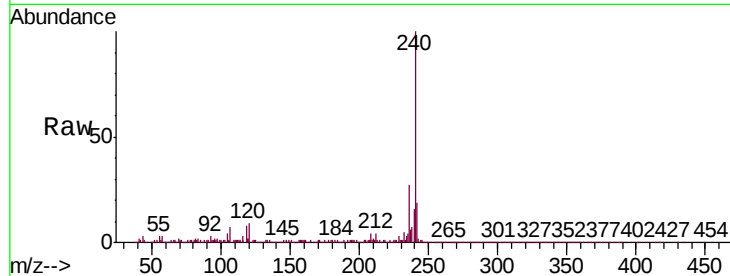
Tgt Ion:240 Resp: 583318

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

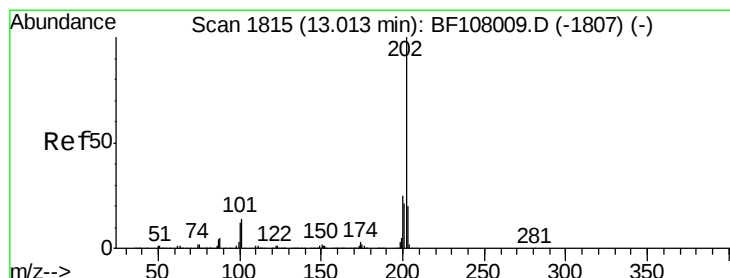
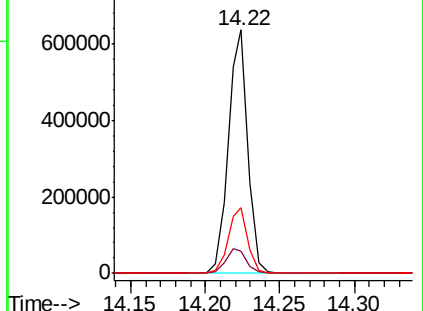
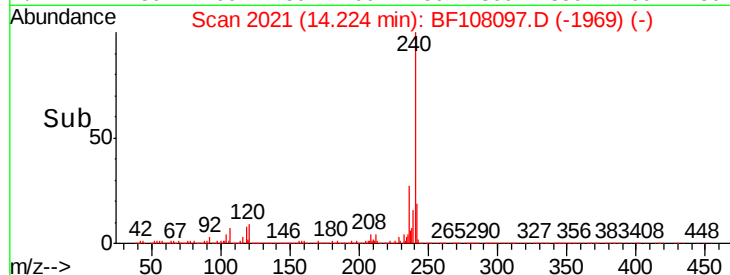
236 27.1 20.7 31.1



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: 6.389 ng

RT: 13.02 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF108097.D

Acq: 10 Aug 2018 21:18

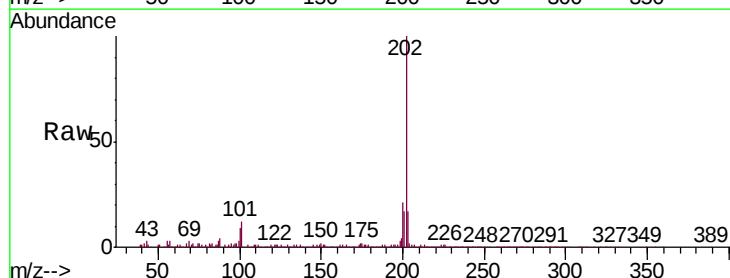
Tgt Ion:202 Resp: 235957

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

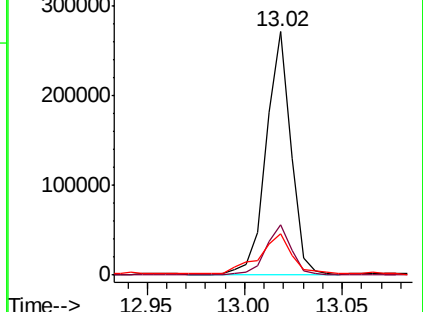
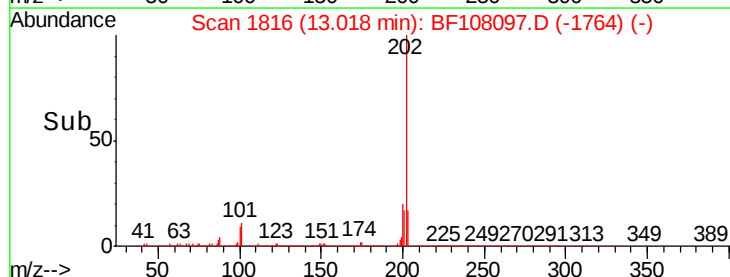
203 17.1 14.3 21.5

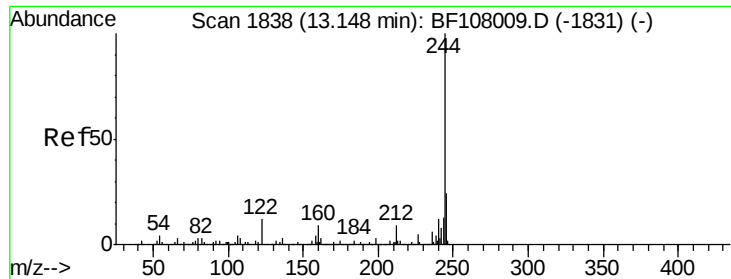


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 44.811 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF108097.D

Acq: 10 Aug 2018 21:18

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-J

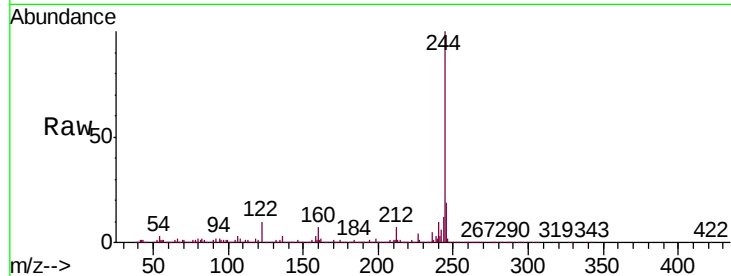
Tgt Ion:244 Resp: 1028068

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

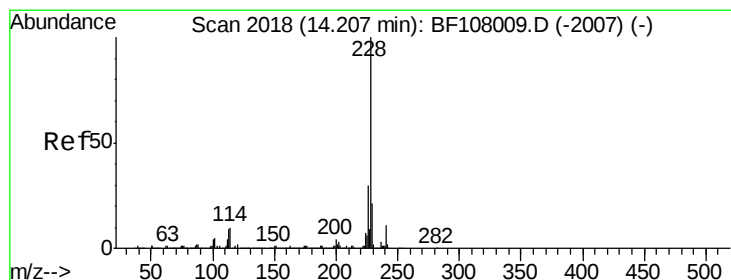
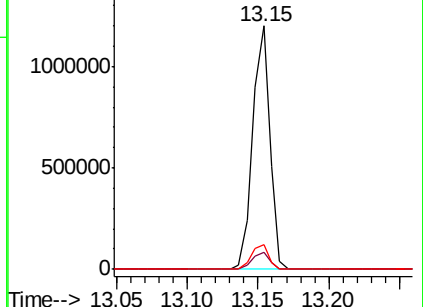
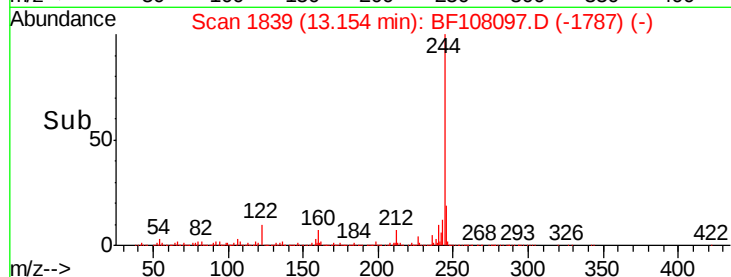
122 9.9 11.0 16.4#



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: 3.431 ng

RT: 14.21 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF108097.D

Acq: 10 Aug 2018 21:18

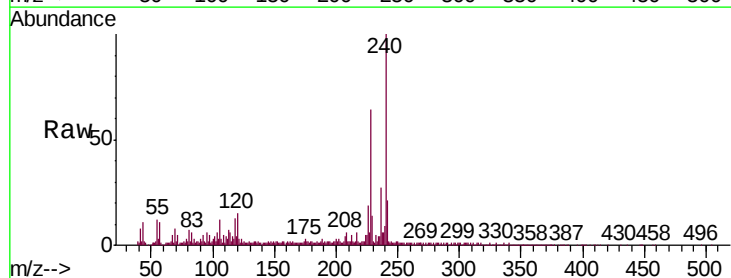
Tgt Ion:228 Resp: 114849

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

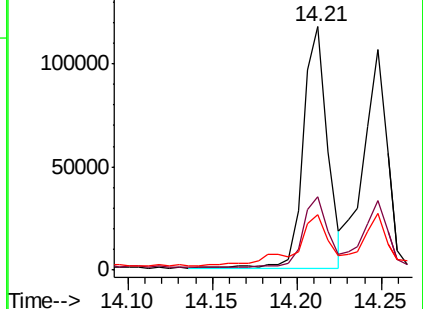
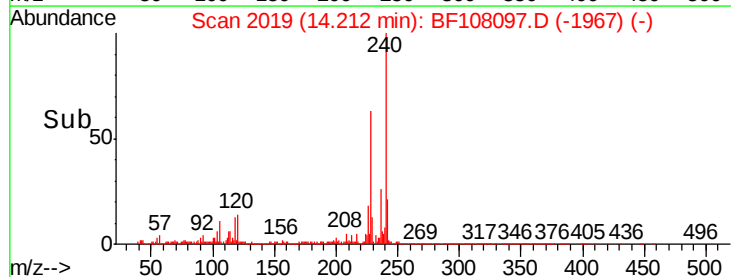
229 22.6 15.8 23.6

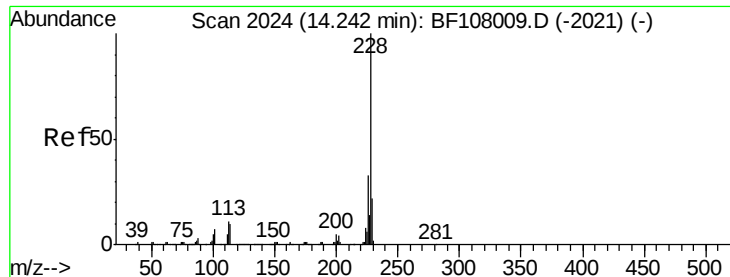


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.742 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.03 min

Lab File: BF108097.D

Acq: 10 Aug 2018 21:18

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-J

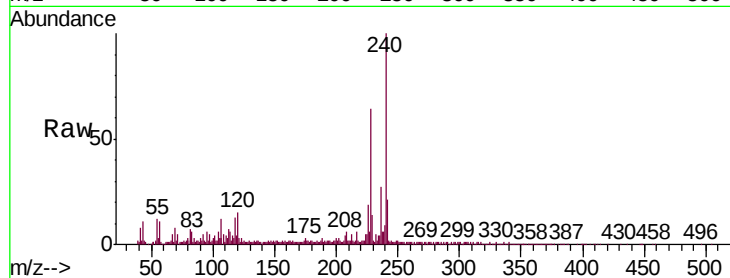
Tgt Ion:228 Resp: 114849

Ion Ratio Lower Upper

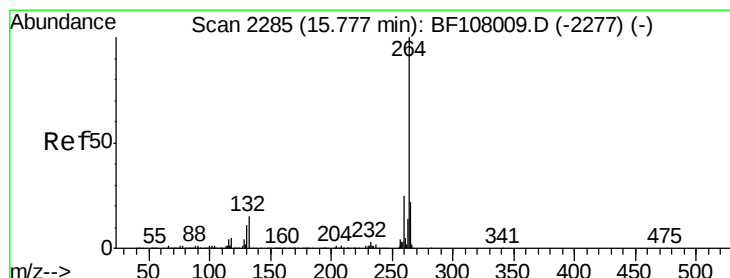
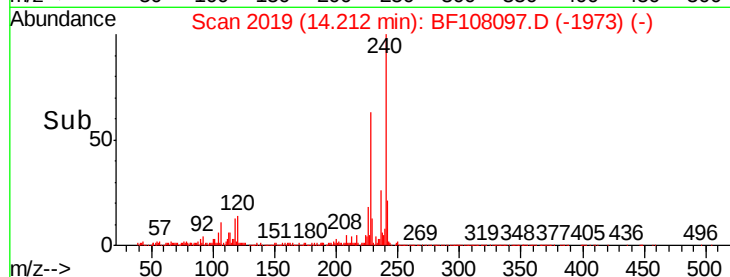
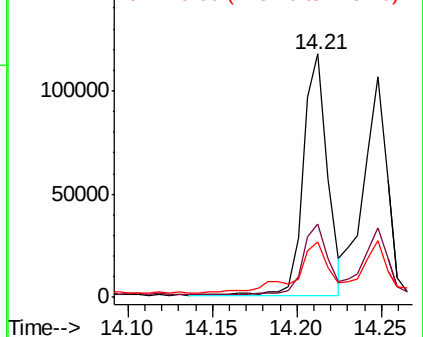
228 100

226 29.9 25.0 37.6

229 22.6 16.2 24.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.79 min Scan# 2288

Delta R.T. 0.02 min

Lab File: BF108097.D

Acq: 10 Aug 2018 21:18

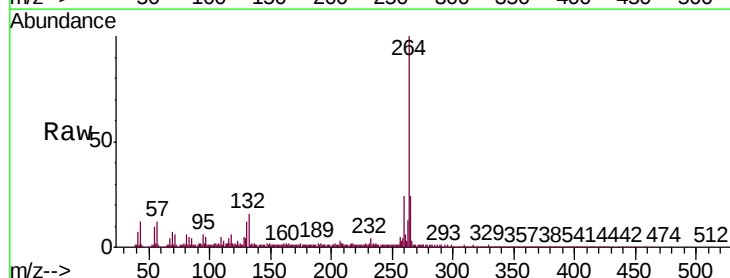
Tgt Ion:264 Resp: 388987

Ion Ratio Lower Upper

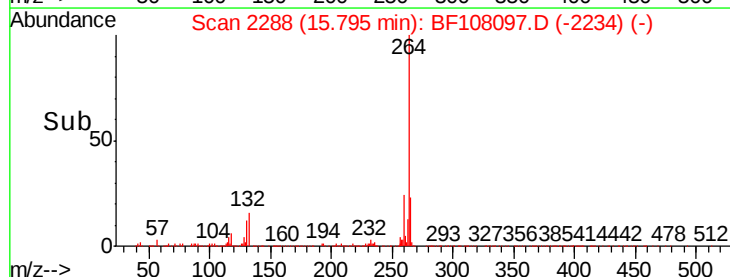
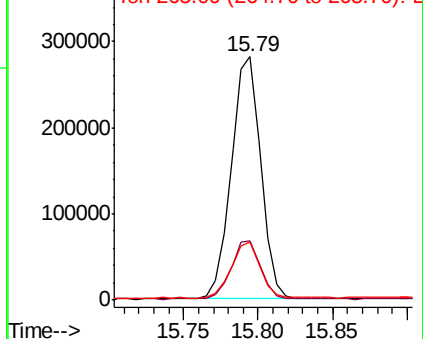
264 100

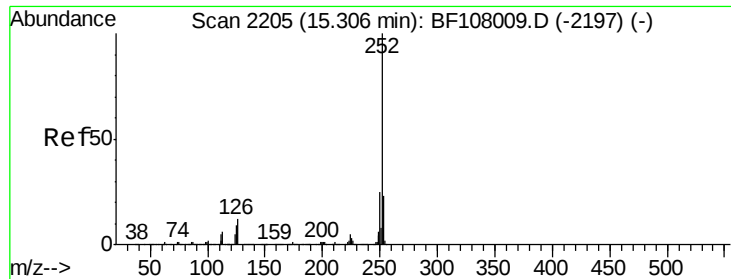
260 24.4 19.2 28.8

265 23.6 17.5 26.3



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

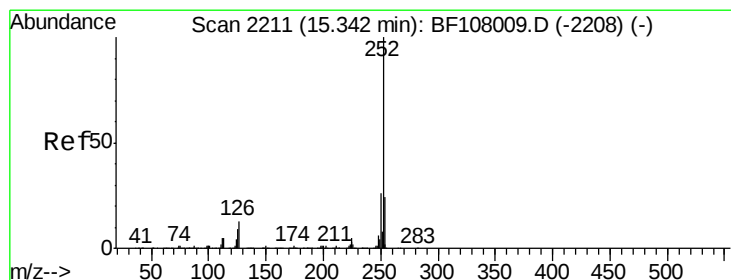
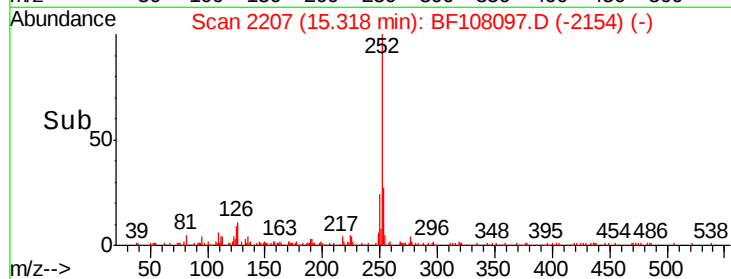
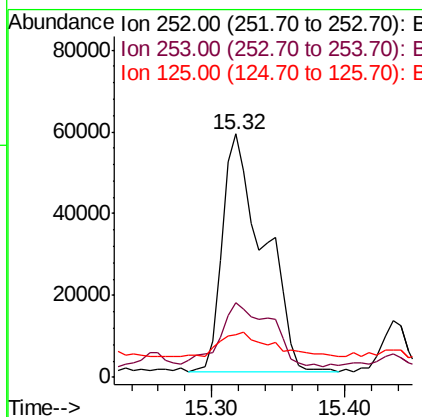
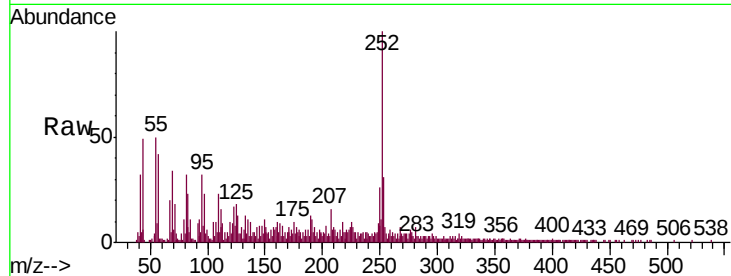




#87
 Benzo(b)fluoranthene
 Concen: 5.453 ng
 RT: 15.32 min Scan# 2207
 Delta R.T. 0.01 min
 Lab File: BF108097.D
 Acq: 10 Aug 2018 21:18

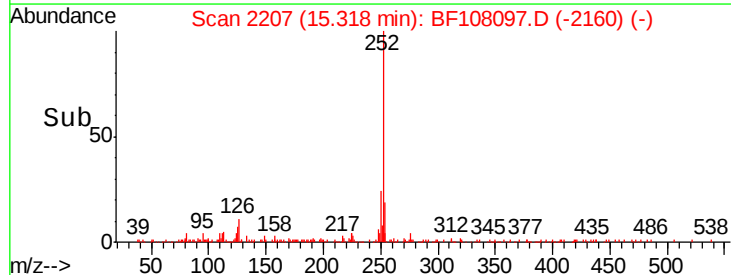
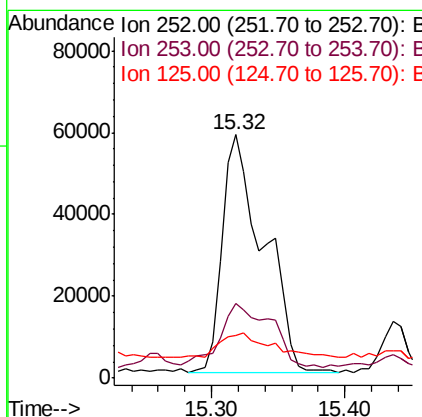
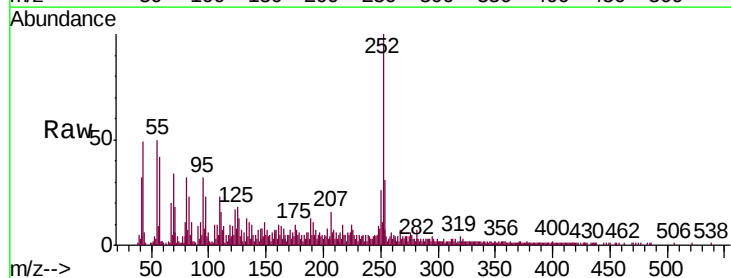
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-J

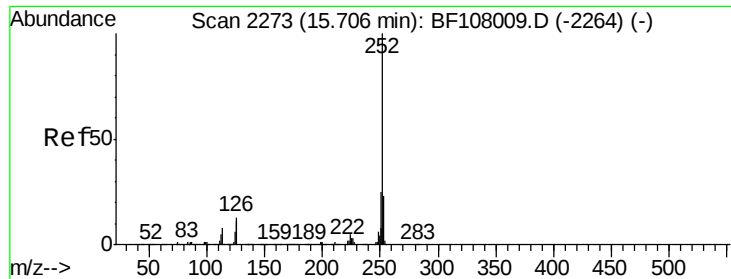
Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.8	17.0	25.6#
125	17.5	9.0	13.6#



#88
 Benzo(k)fluoranthene
 Concen: 5.932 ng
 RT: 15.32 min Scan# 2207
 Delta R.T. -0.02 min
 Lab File: BF108097.D
 Acq: 10 Aug 2018 21:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.8	17.9	26.9#
125	17.5	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 3.097 ng

RT: 15.72 min Scan# 2275

Delta R.T. 0.01 min

Lab File: BF108097.D

Acq: 10 Aug 2018 21:18

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-J

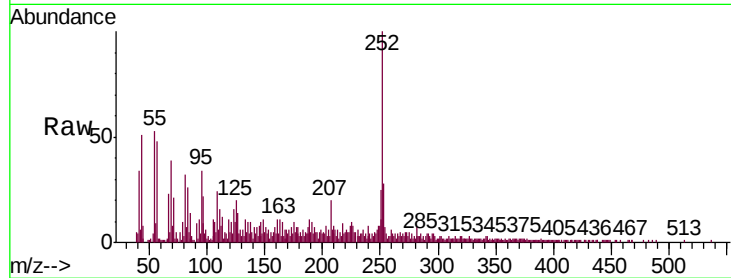
Tgt Ion:252 Resp: 64459

Ion Ratio Lower Upper

252 100

253 28.1 17.1 25.7#

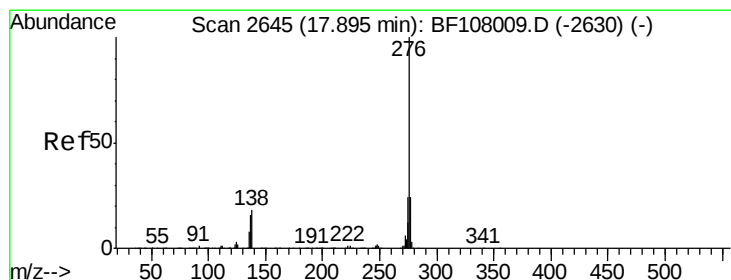
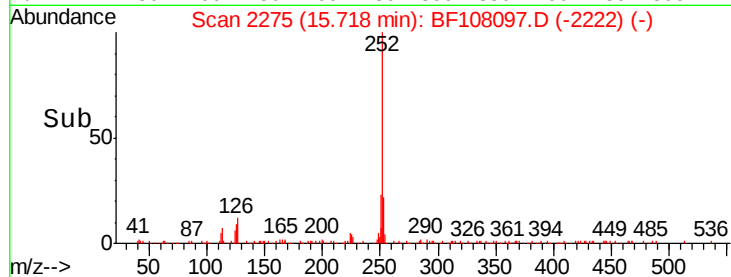
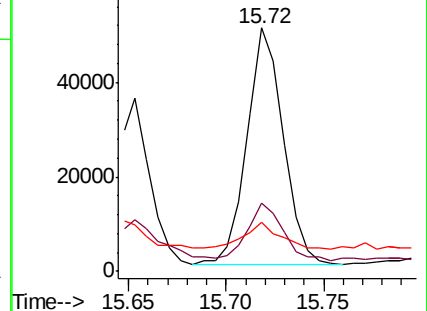
125 20.0 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 2.019 ng

RT: 17.91 min Scan# 2648

Delta R.T. 0.02 min

Lab File: BF108097.D

Acq: 10 Aug 2018 21:18

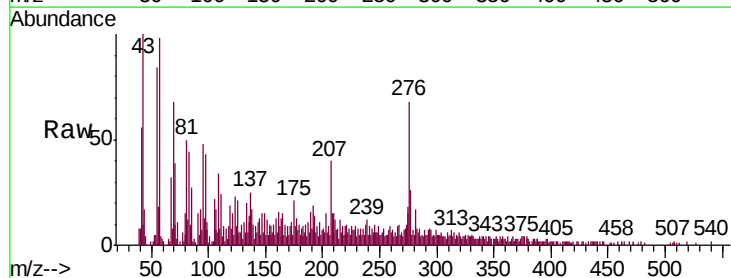
Tgt Ion:276 Resp: 34237

Ion Ratio Lower Upper

276 100

277 38.5 17.9 26.9#

138 24.6 21.8 32.8



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

