

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108397.D
 Acq On : 22 Aug 2018 21:39
 Operator : JU/SJ
 Sample : J4276-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 02:17:34 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 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	143141	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	553974	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	259149	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	423787	20.00	ng	0.00
75) Chrysene-d12	14.19	240	298180	20.00	ng	0.00
86) Perylene-d12	15.75	264	272151	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	153841	19.46	ng	-0.01
7) Phenol-d6	6.61	99	215257	20.49	ng	-0.02
23) Nitrobenzene-d5	7.56	82	131673	13.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	39853	15.42	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	277080	17.17	ng	-0.01
78) Terphenyl-d14	13.12	244	195479	16.67	ng	0.00

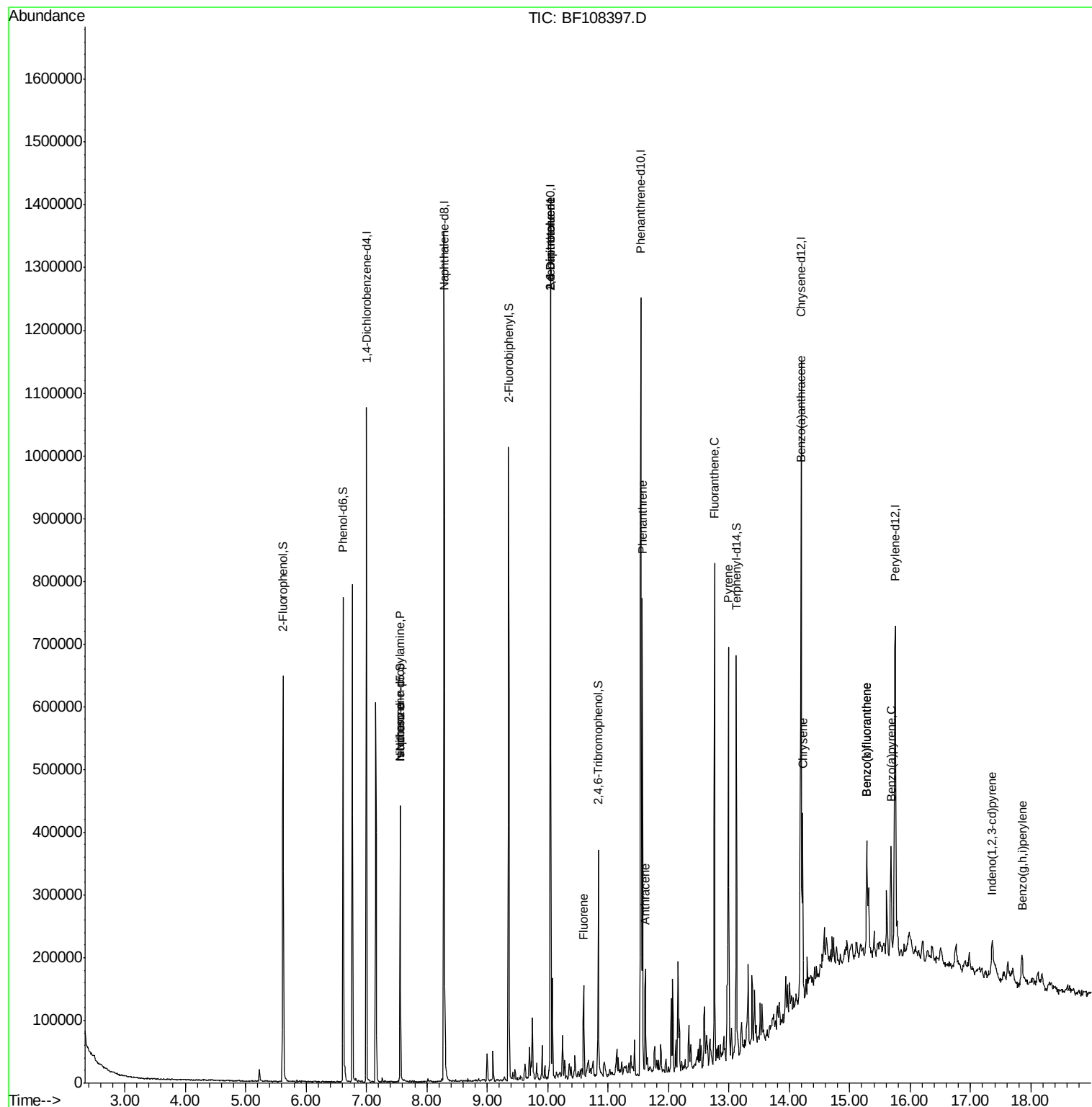
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.56	70	17152	2.414	ng	# 80
25) Isophorone	7.56	82	131670	6.958	ng	# 64
50) 2,6-Dinitrotoluene	10.05	165	34622	9.167	ng	# 26
56) 2,4-Dinitrotoluene	10.05	165	34622	7.122	ng	# 24
57) Fluorene	10.60	166	37166	2.216	ng	97
70) Phenanthrene	11.57	178	247345	12.374	ng	99
71) Anthracene	11.62	178	63095	3.080	ng	96
74) Fluoranthene	12.76	202	286148	13.117	ng	95
77) Pyrene	13.00	202	265247	14.051	ng	98
80) Benzo(a)anthracene	14.18	228	117608	6.873	ng	98
82) Chrysene	14.22	228	106242	6.772	ng	97
85) Indeno(1,2,3-cd)pyrene	17.36	276	39010	2.870	ng	# 82
87) Benzo(b)fluoranthene	15.28	252	148420	9.127	ng	97
88) Benzo(k)fluoranthene	15.28	252	148420	9.929	ng	98
89) Benzo(a)pyrene	15.68	252	83229	5.715	ng	96
91) Benzo(g,h,i)perylene	17.85	276	38784	3.269	ng	# 89

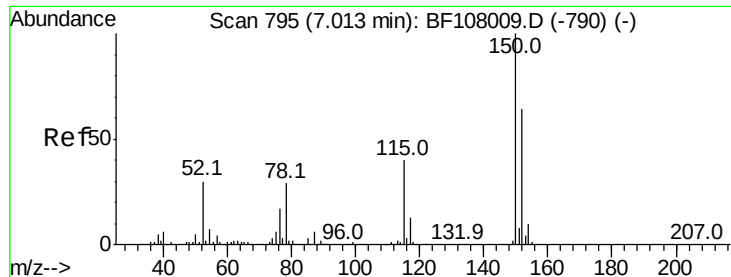
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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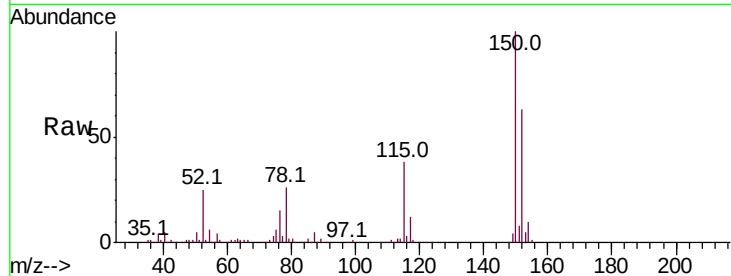


#1

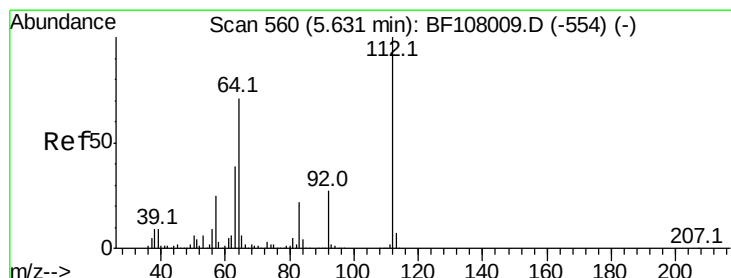
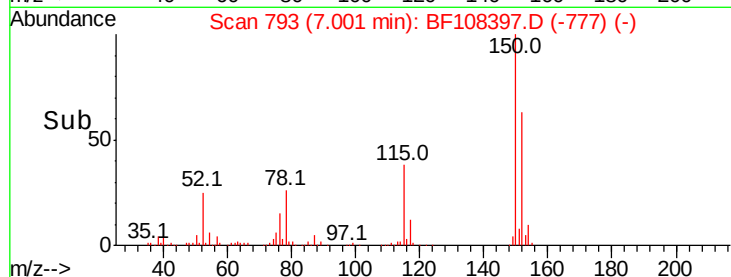
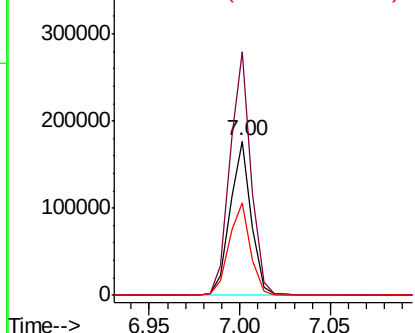
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108397.D
Acq: 22 Aug 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	60.2	50.1	75.1



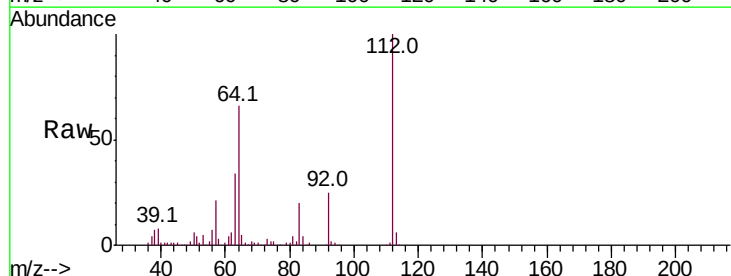
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



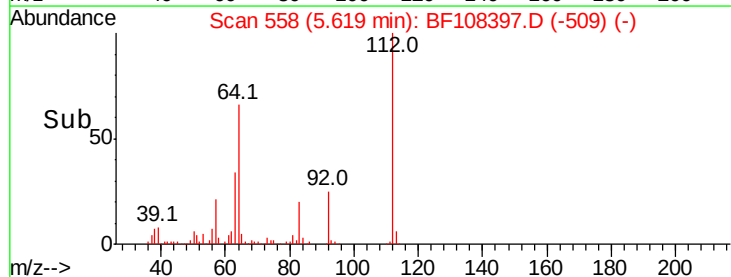
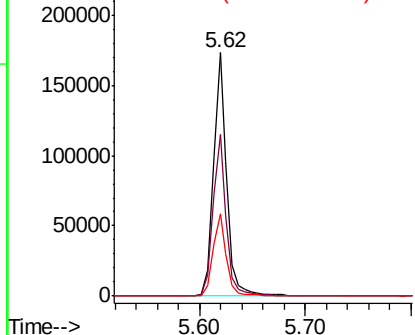
#5

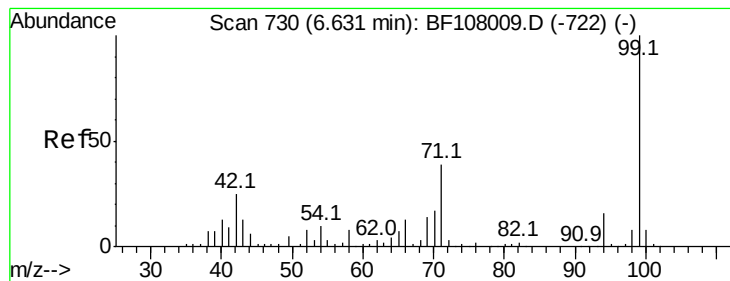
2-Fluorophenol
Concen: 19.458 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108397.D
Acq: 22 Aug 2018 21:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	47.9	71.9
63	33.7	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: 20.488 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108397.D

Acq: 22 Aug 2018 21:39

Instrument :

BNA_F

ClientSampleId :

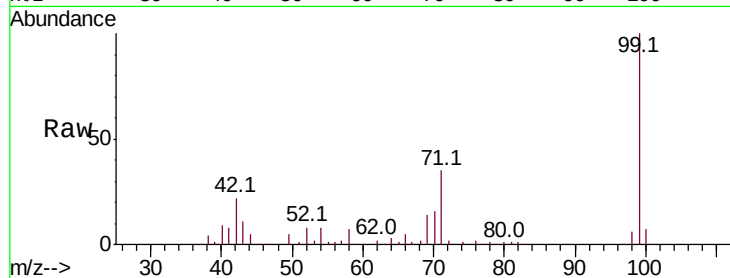
Tot Ion: 99 Resp: 215257

Ion Ratio Lower Upper

99 100

42 22.2 14.5 21.7#

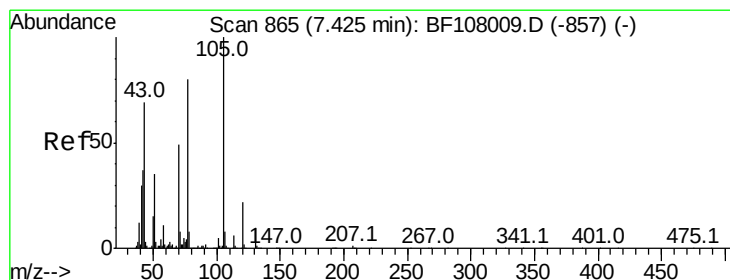
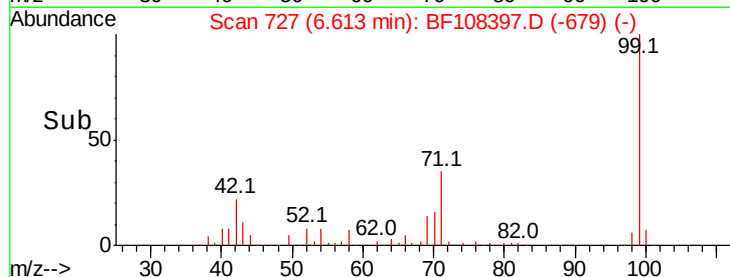
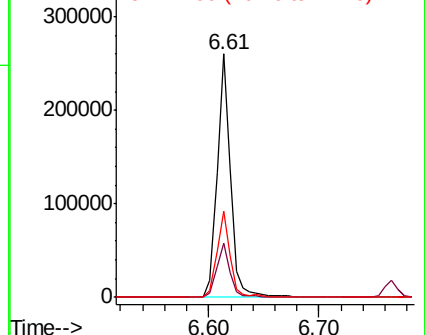
71 35.3 25.4 38.0



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: 2.414 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108397.D

Acq: 22 Aug 2018 21:39

Tgt Ion: 70 Resp: 17152

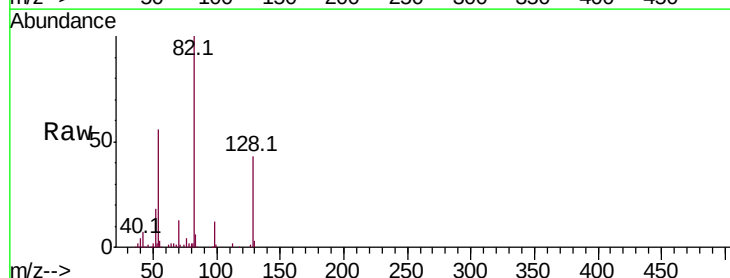
Ion Ratio Lower Upper

70 100

42 51.2 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

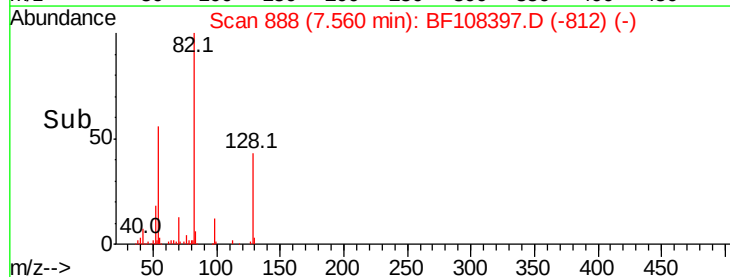
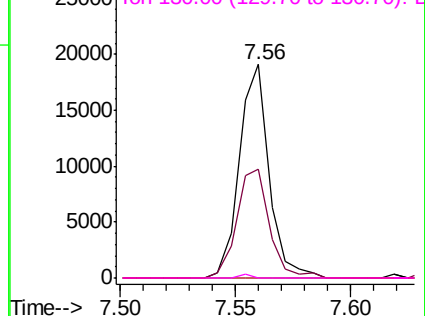


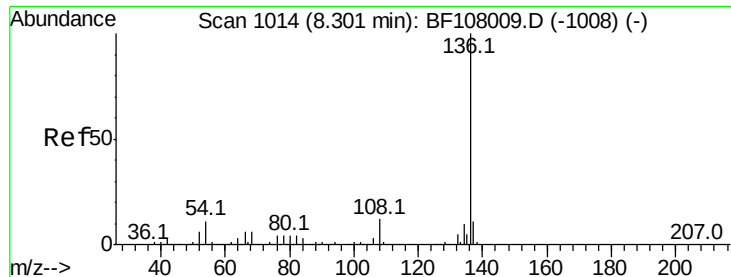
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

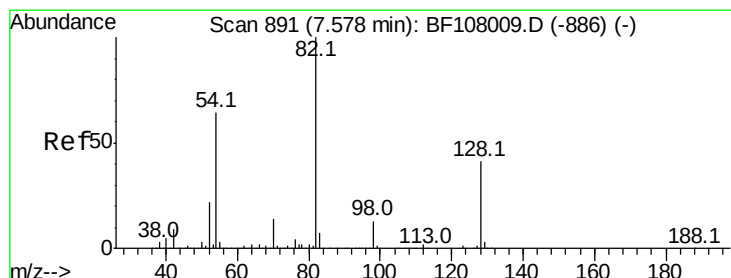
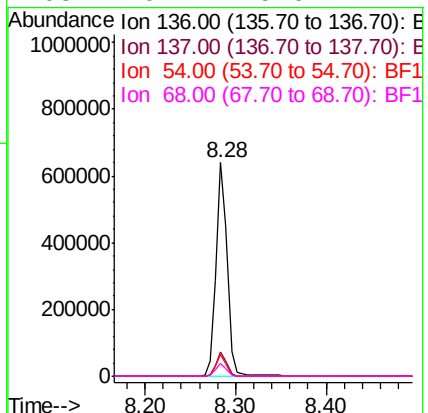
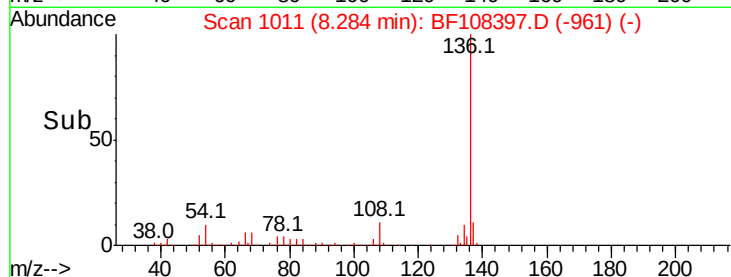
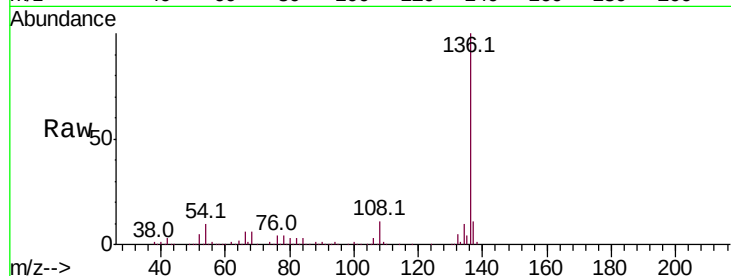




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108397.D
Acq: 22 Aug 2018 21:39

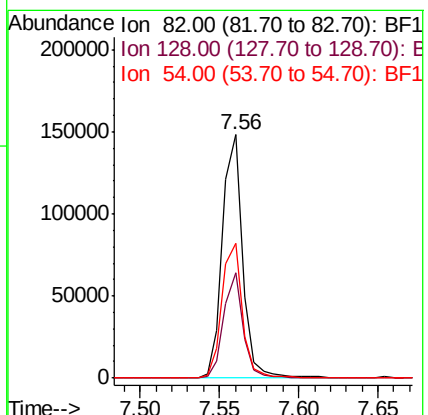
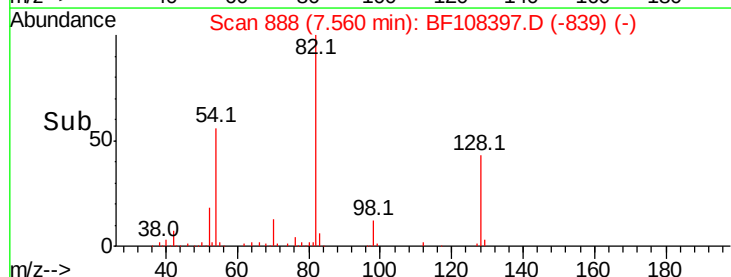
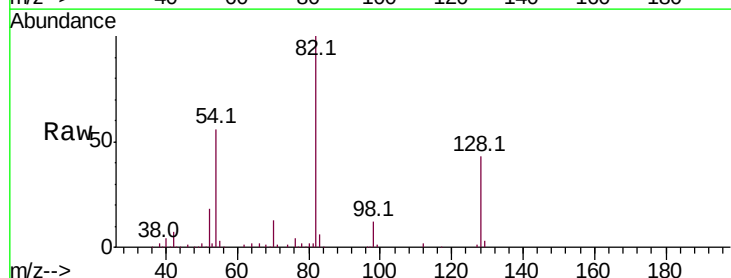
Instrument :
BNA_F
ClientSampleId :

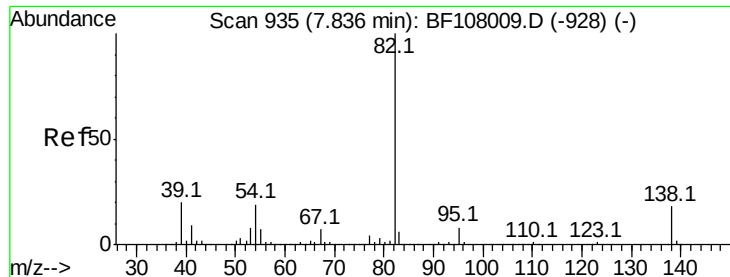
Tot Ion:	136	Resp:	553974
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.1	6.6	9.8#
68	6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 13.263 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108397.D
Acq: 22 Aug 2018 21:39

Tgt Ion:	82	Resp:	131673
Ion	Ratio	Lower	Upper
82	100		
128	43.5	36.1	54.1
54	55.6	41.4	62.2





#25

Isophorone

Concen: 6.958 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108397.D

Acq: 22 Aug 2018 21:39

Instrument :

BNA_F

ClientSampled :

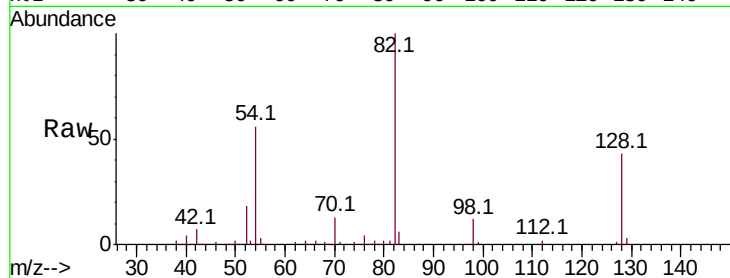
Tot Ion: 82 Resp: 131670

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

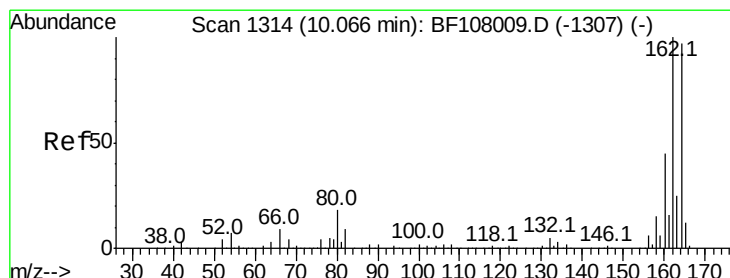
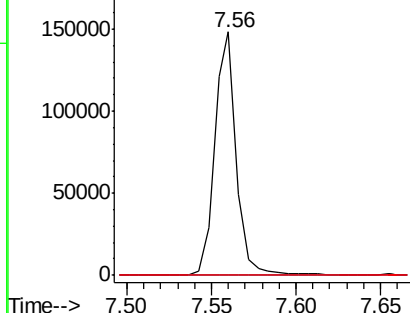
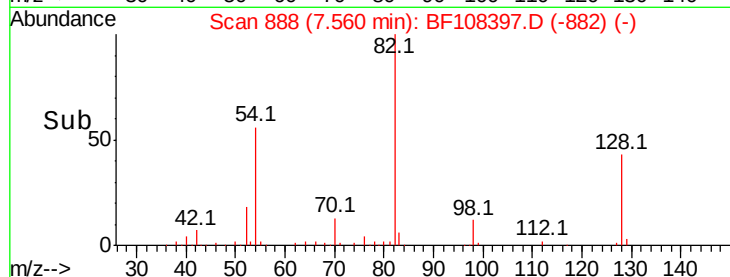
138 0.0 14.9 22.3#



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: 10.05 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF108397.D

Acq: 22 Aug 2018 21:39

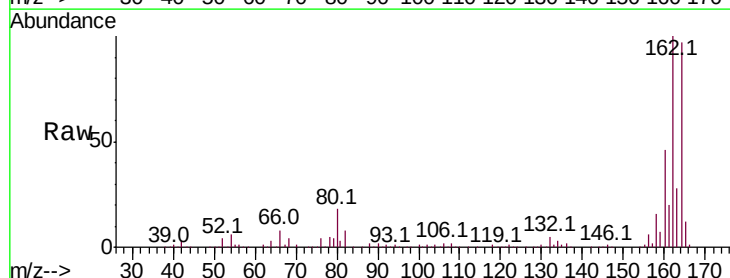
Tgt Ion:164 Resp: 259149

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

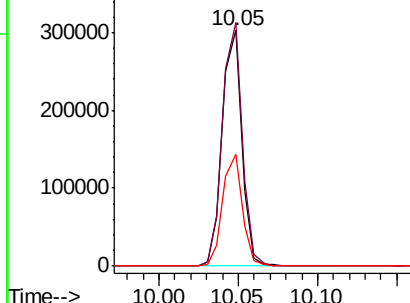
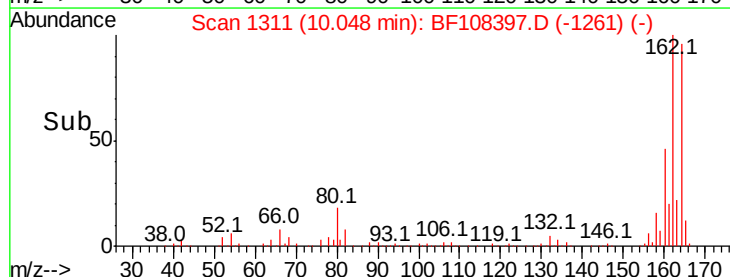
160 47.7 38.3 57.5

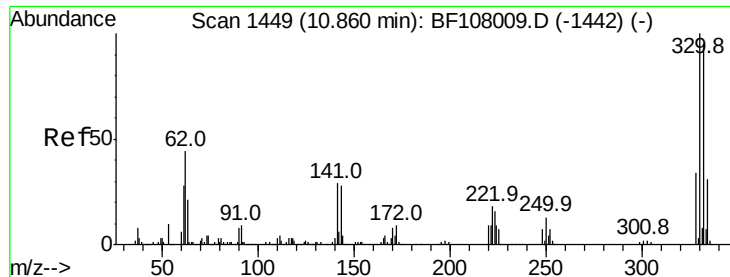


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

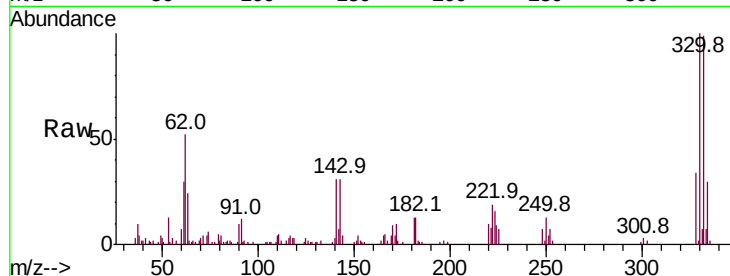




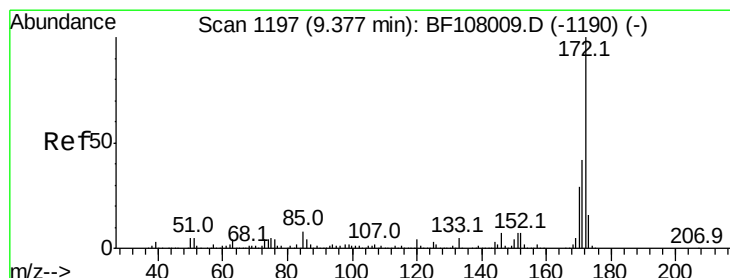
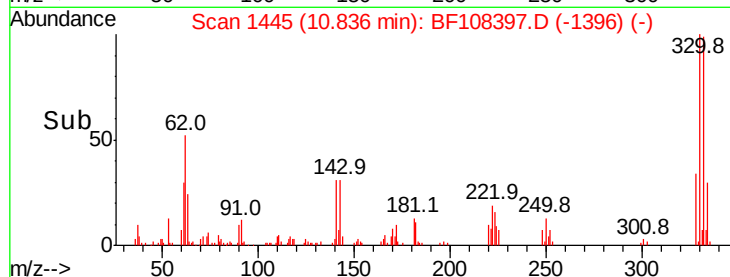
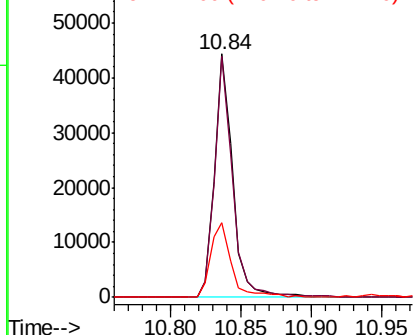
#41
 2,4,6-Tribromophenol
 Concen: 15.417 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108397.D
 Acq: 22 Aug 2018 21:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	35.2	29.9	44.9

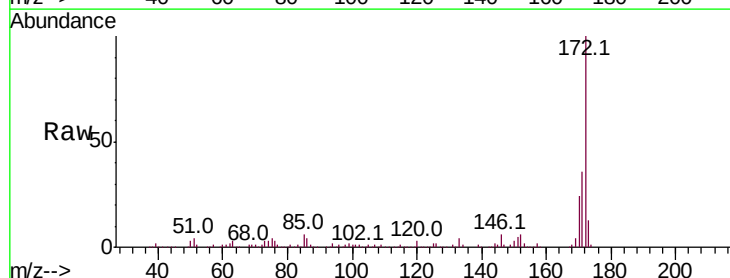


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

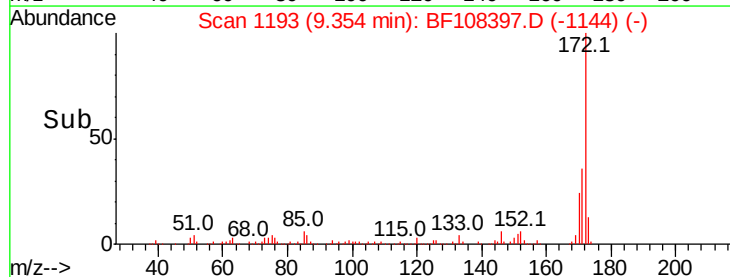
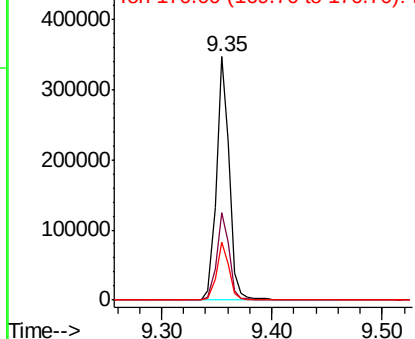


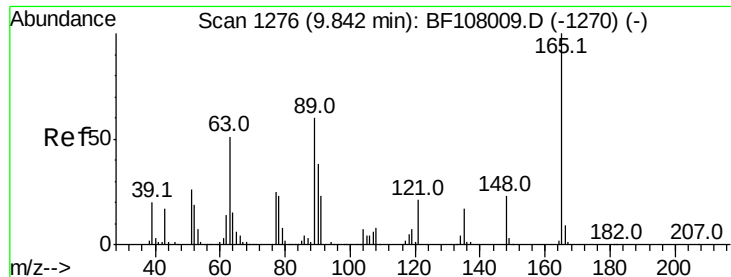
#44
 2-Fluorobiphenyl
 Concen: 17.166 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108397.D
 Acq: 22 Aug 2018 21:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.9	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

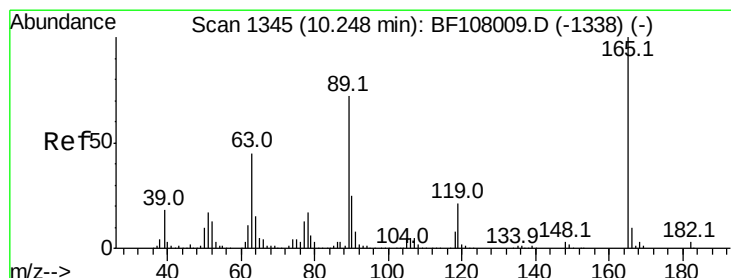
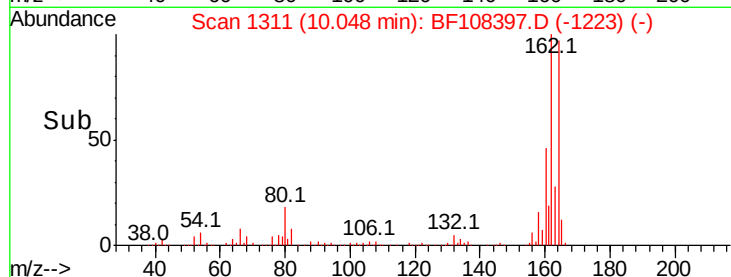
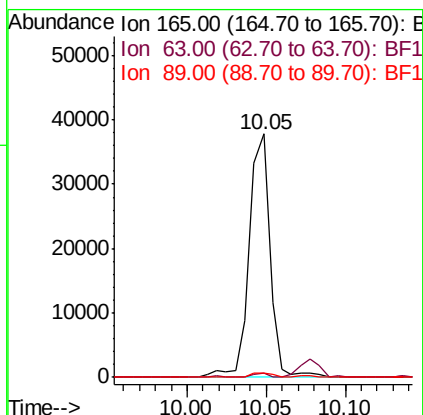
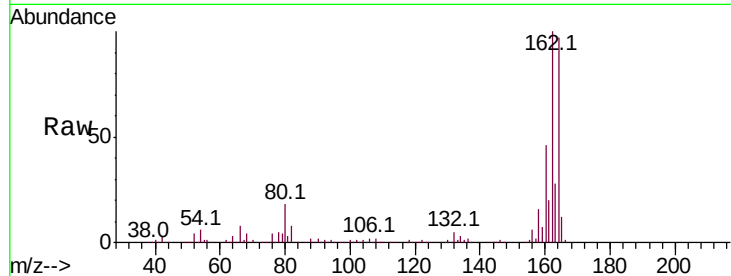




#50
 2,6-Dinitrotoluene
 Concen: 9.167 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. 0.22 min
 Lab File: BF108397.D
 Acq: 22 Aug 2018 21:39

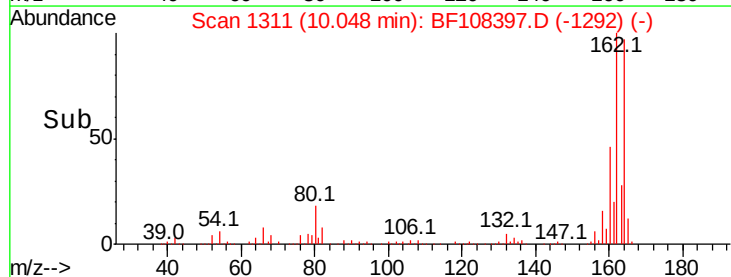
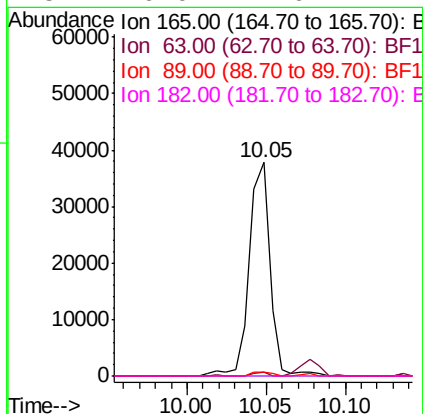
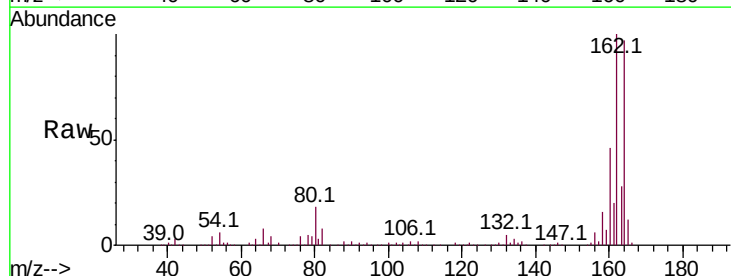
Instrument :
 BNA_F
 ClientSampleId :

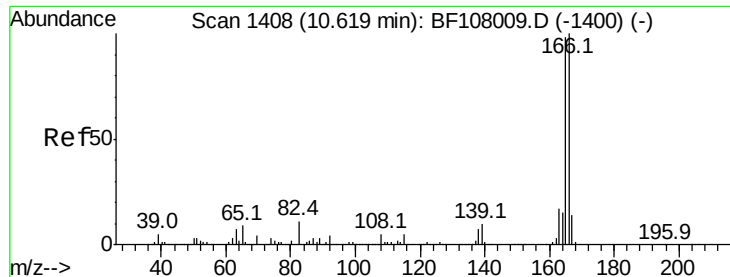
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.8	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.122 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.19 min
 Lab File: BF108397.D
 Acq: 22 Aug 2018 21:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

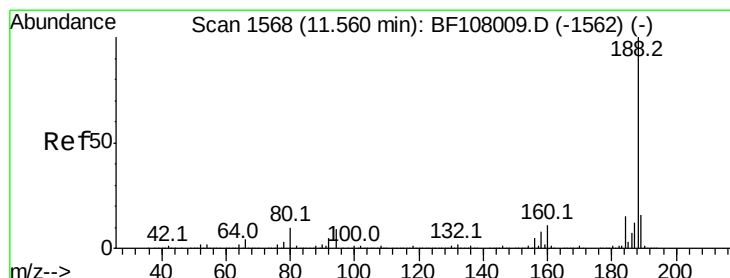
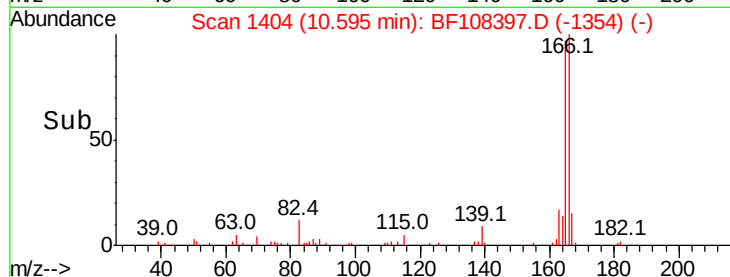
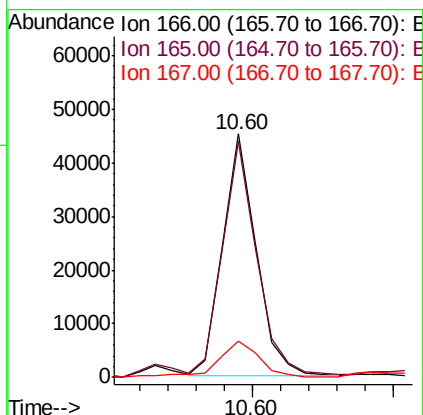
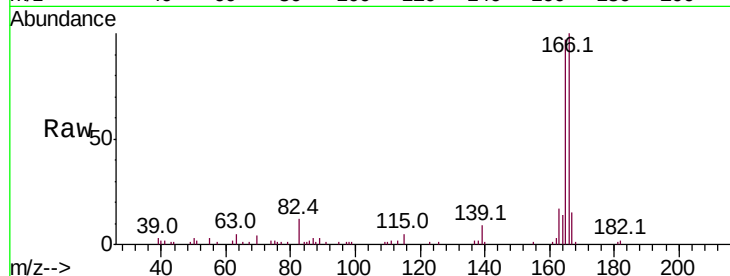




#57
 Fluorene
 Concen: 2.216 ng
 RT: 10.60 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BF108397.D
 Acq: 22 Aug 2018 21:39

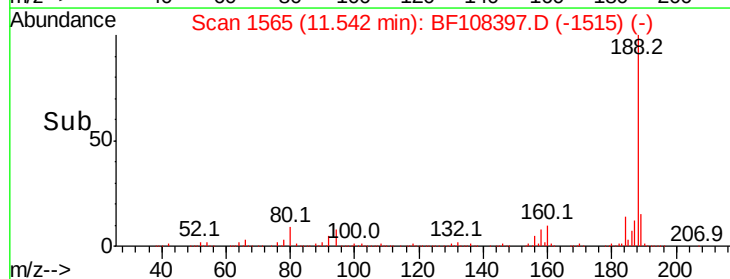
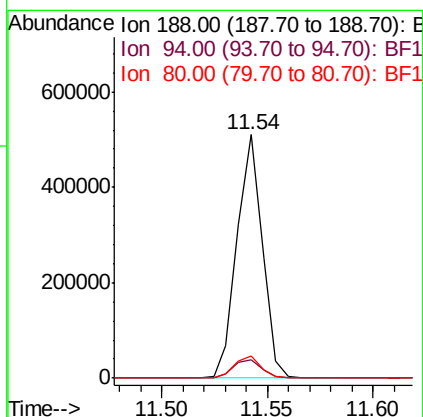
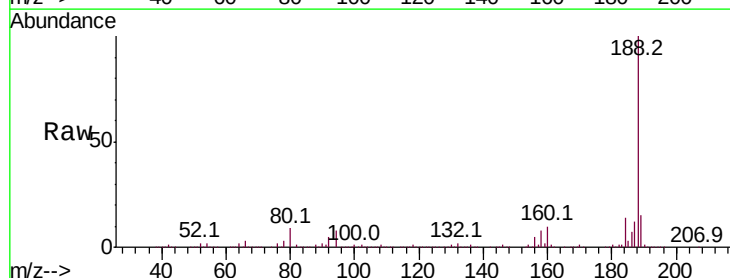
Instrument :
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 ClientSampleId :

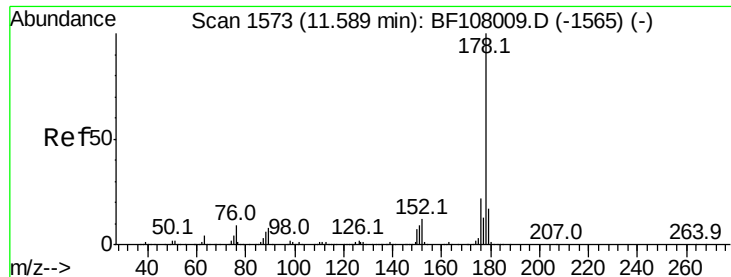
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.8	119.8
167	14.9	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108397.D
 Acq: 22 Aug 2018 21:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.9	9.2	13.8#





#70

Phenanthrene

Concen: 12.374 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF108397.D

Acq: 22 Aug 2018 21:39

Instrument :

BNA_F

ClientSampleId :

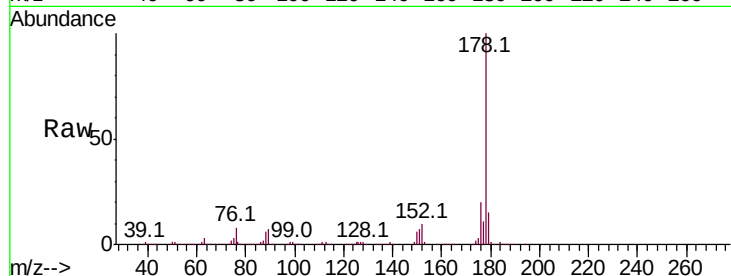
Tot Ion:178 Resp: 247345

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.4	13.0	19.6

178 100

176 20.1 15.8 23.8

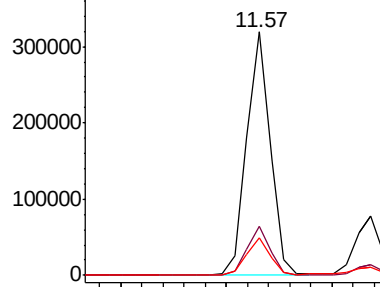
179 15.4 13.0 19.6



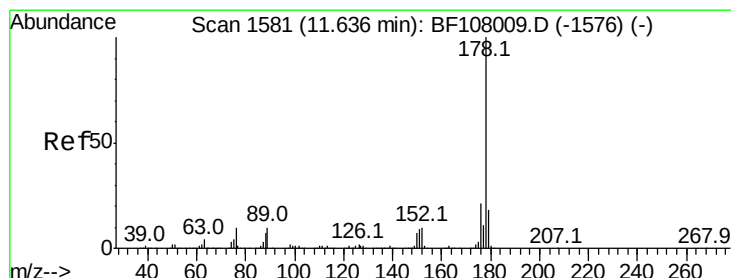
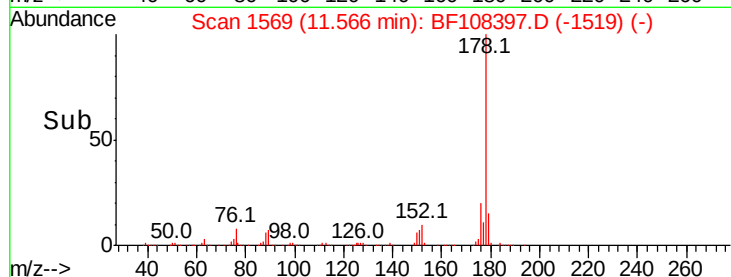
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 3.080 ng

RT: 11.62 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF108397.D

Acq: 22 Aug 2018 21:39

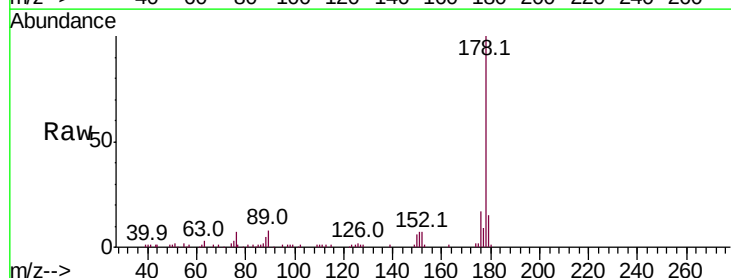
Tgt Ion:178 Resp: 63095

Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.4	23.2
179	14.8	12.6	19.0

178 100

176 17.1 15.4 23.2

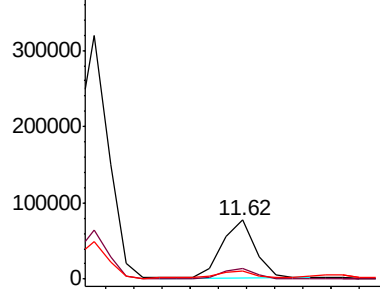
179 14.8 12.6 19.0



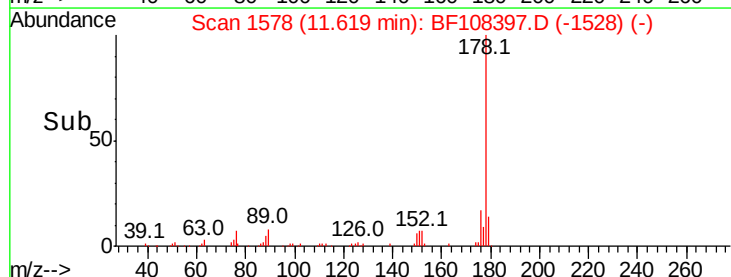
Abundance Ion 178.00 (177.70 to 178.70): E

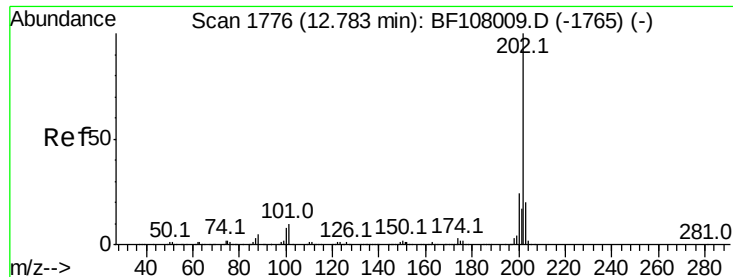
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 13.117 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108397.D

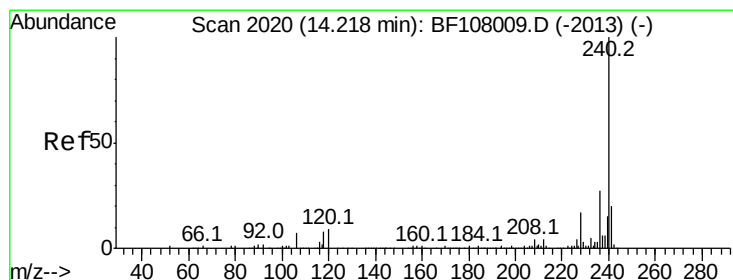
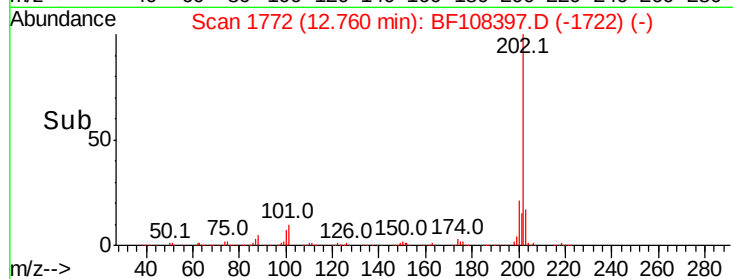
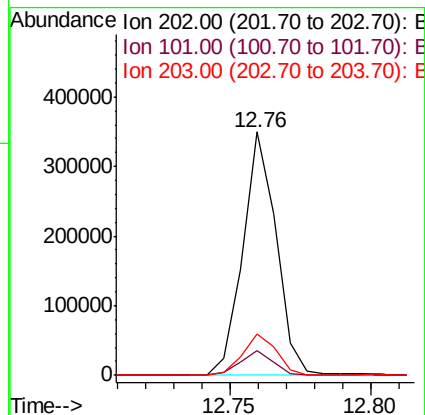
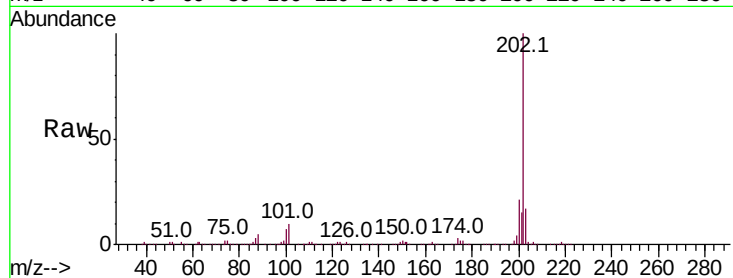
Acq: 22 Aug 2018 21:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	286148
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	34.1
203	17.2	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

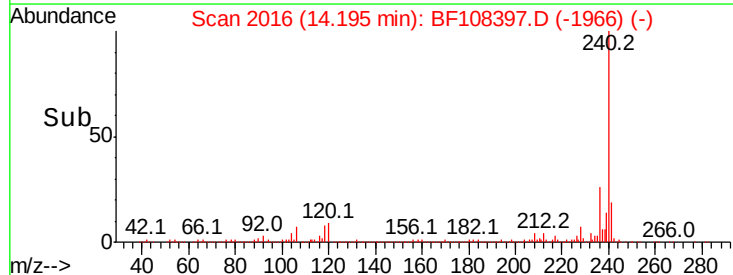
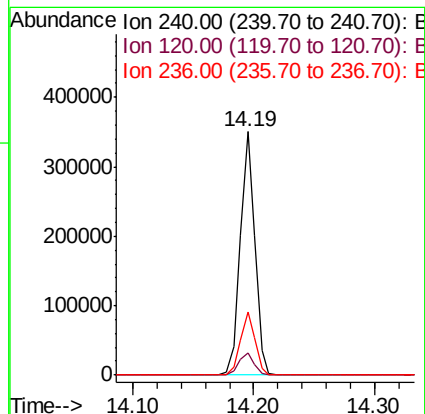
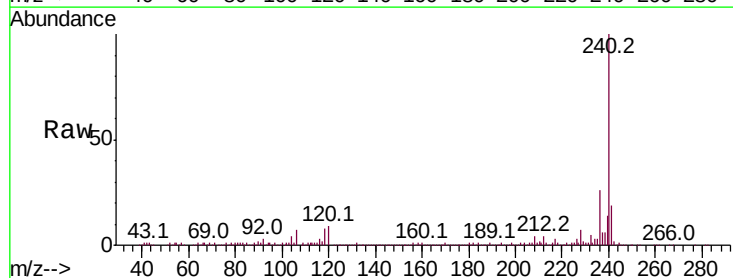
RT: 14.19 min Scan# 2016

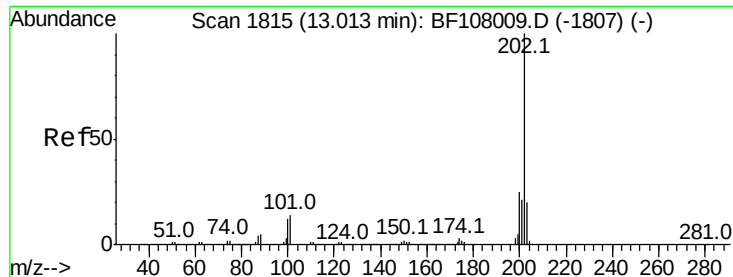
Delta R.T. -0.01 min

Lab File: BF108397.D

Acq: 22 Aug 2018 21:39

Tgt Ion:	240	Resp:	298180
Ion	Ratio	Lower	Upper
240	100		
120	9.3	9.5	14.3#
236	25.9	20.7	31.1





#77

Pvrene

Concen: 14.051 ng

RT: 13.00 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108397.D

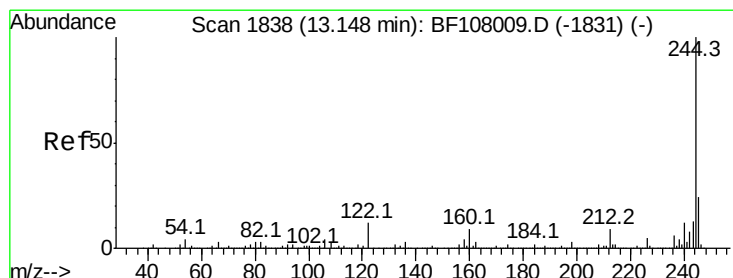
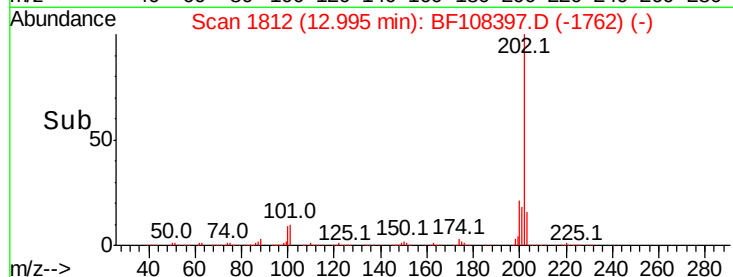
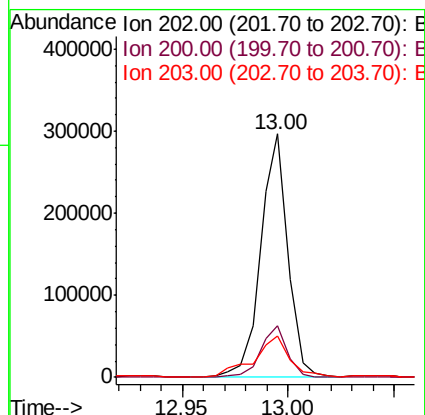
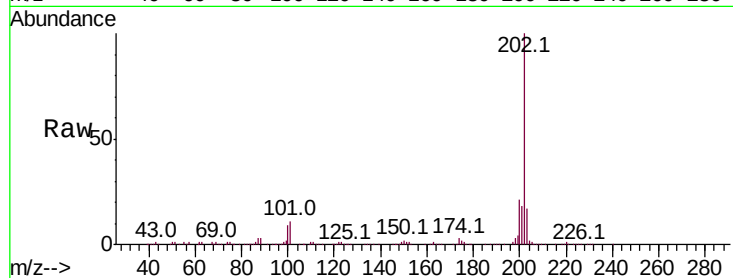
Acq: 22 Aug 2018 21:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	265247
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.3	14.3	21.5



#78

Terphenyl-d14

Concen: 16.668 ng

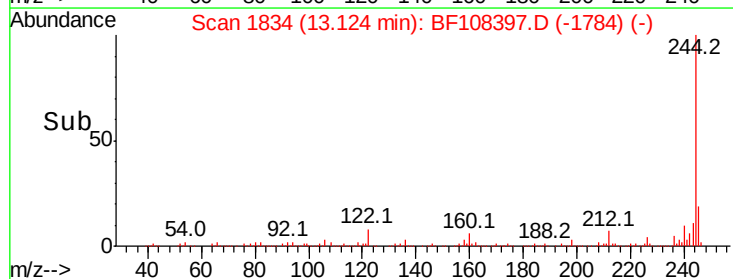
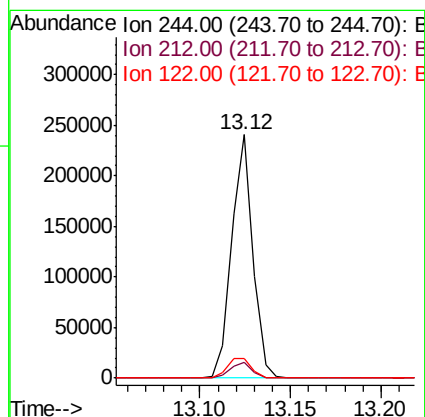
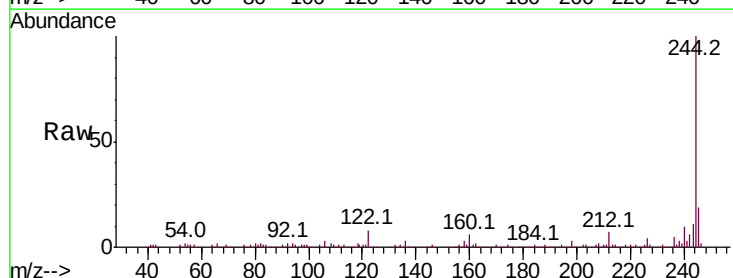
RT: 13.12 min Scan# 1834

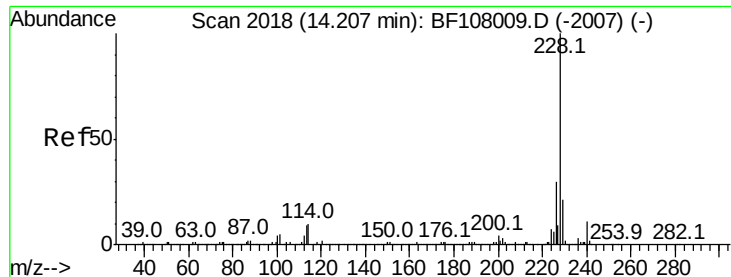
Delta R.T. -0.01 min

Lab File: BF108397.D

Acq: 22 Aug 2018 21:39

Tgt Ion:	244	Resp:	195479
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	8.1	11.0	16.4#

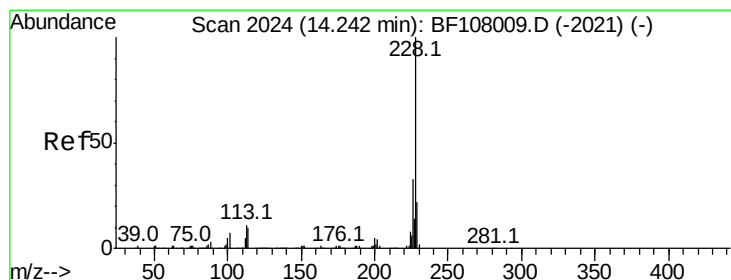
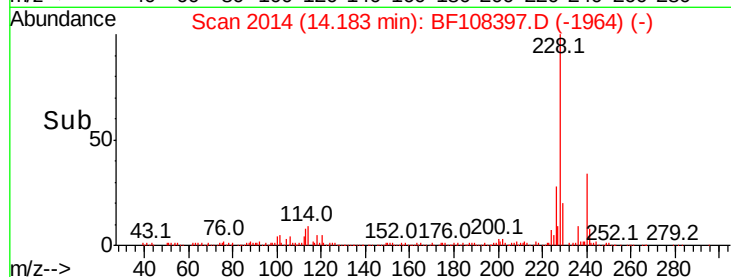
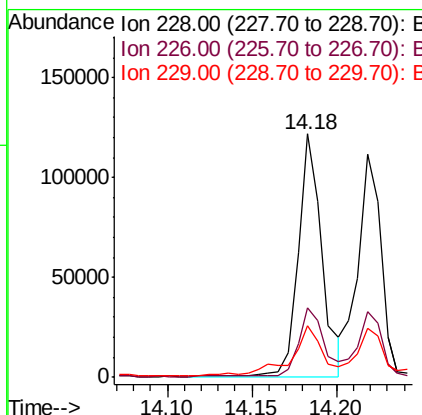
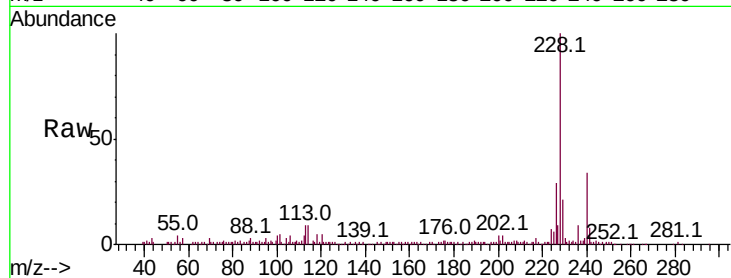




#80
Benzo(a)anthracene
Concen: 6.873 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108397.D
Acq: 22 Aug 2018 21:39

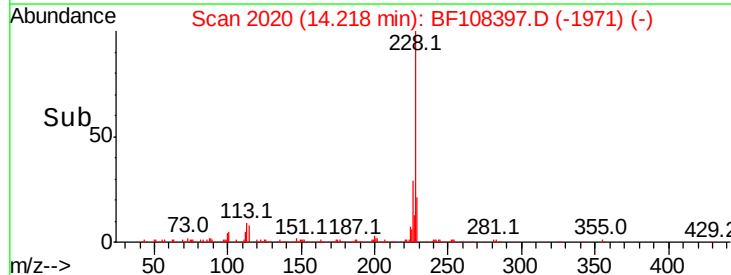
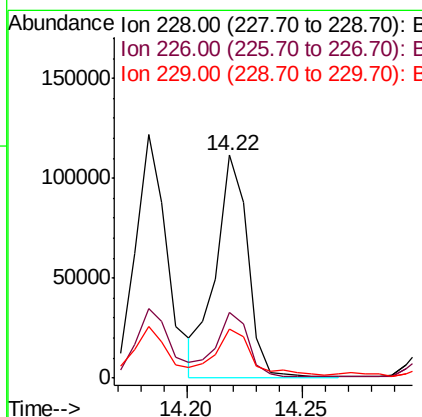
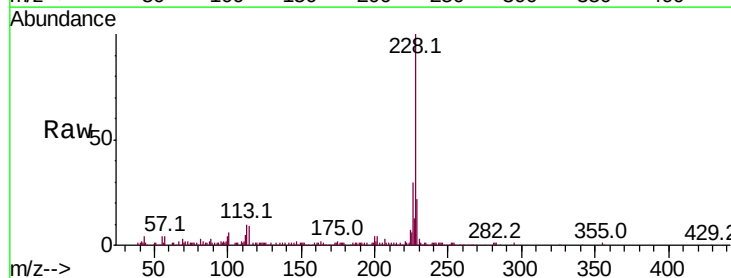
Instrument :
BNA_F
ClientSampleId :

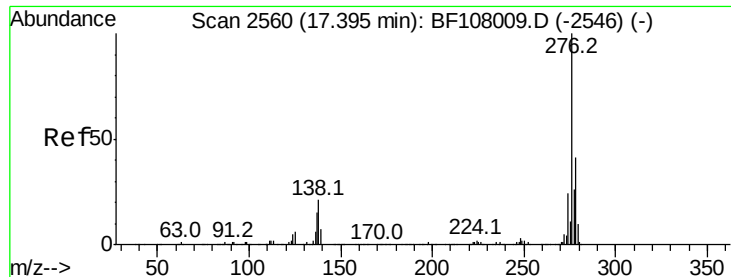
Tot Ion:228 Resp: 117608
Ion Ratio Lower Upper
228 100
226 28.6 22.6 33.8
229 21.4 15.8 23.6



#82
Chrysene
Concen: 6.772 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108397.D
Acq: 22 Aug 2018 21:39

Tgt Ion:228 Resp: 106242
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.6
229 22.2 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.870 ng

RT: 17.36 min Scan# 2554

Delta R.T. -0.01 min

Lab File: BF108397.D

Acq: 22 Aug 2018 21:39

Instrument :

BNA_F

ClientSampled :

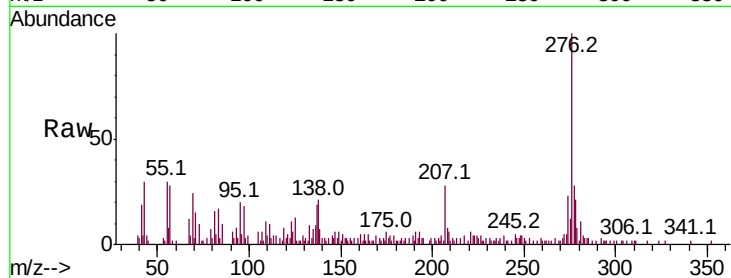
Tot Ion:276 Resp: 39010

Ion Ratio Lower Upper

276 100

138 17.9 25.0 37.6#

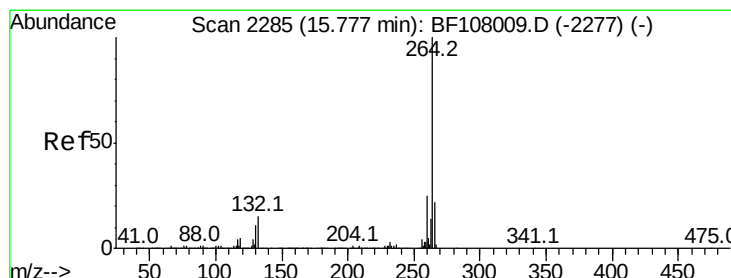
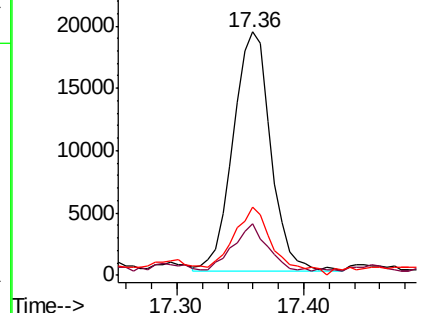
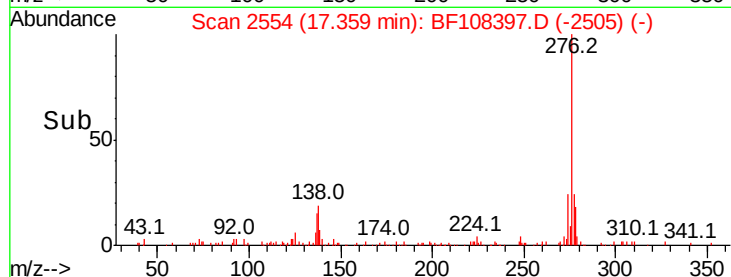
277 30.7 20.1 30.1#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF108397.D

Acq: 22 Aug 2018 21:39

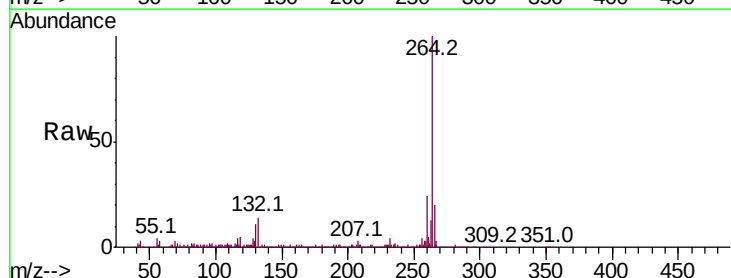
Tgt Ion:264 Resp: 272151

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

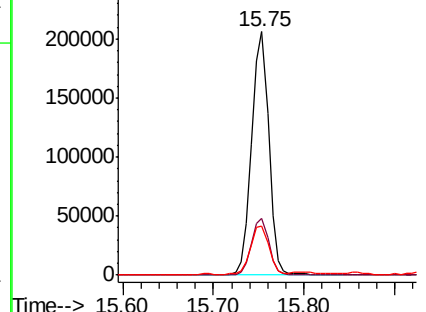
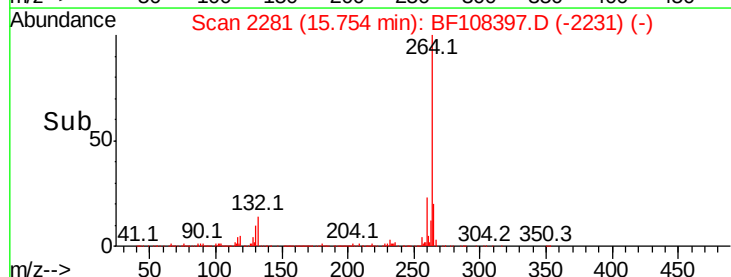
265 20.1 17.5 26.3

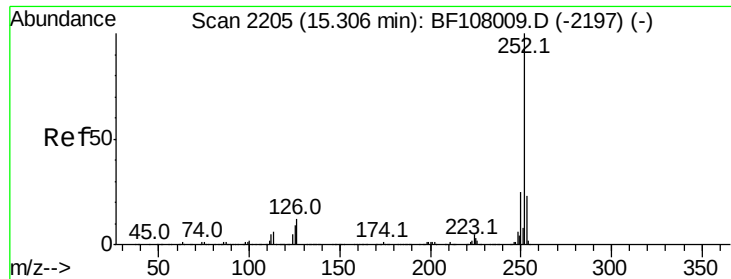


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

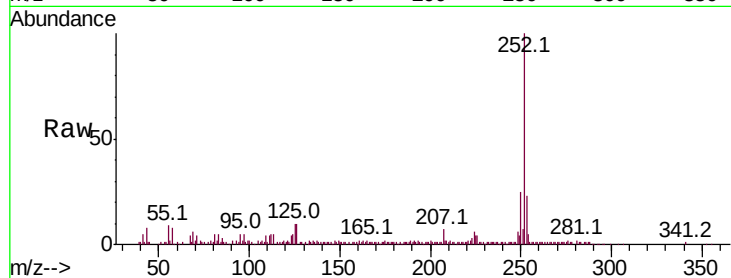




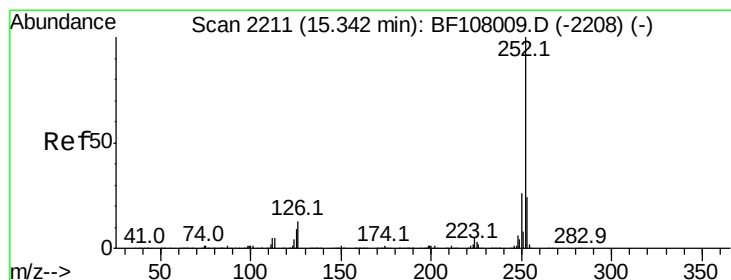
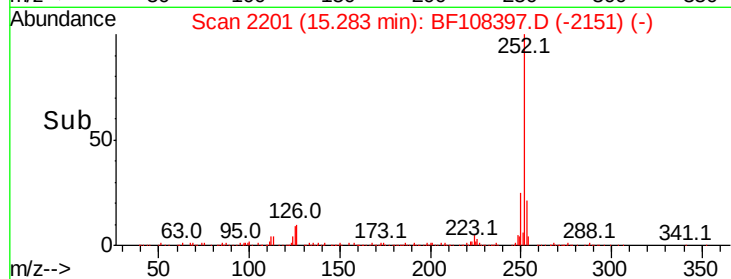
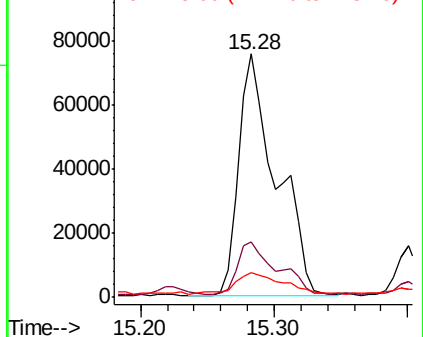
#87
Benzo(b)fluoranthene
Concen: 9.127 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108397.D
Acq: 22 Aug 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 148420
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 10.3 9.0 13.6

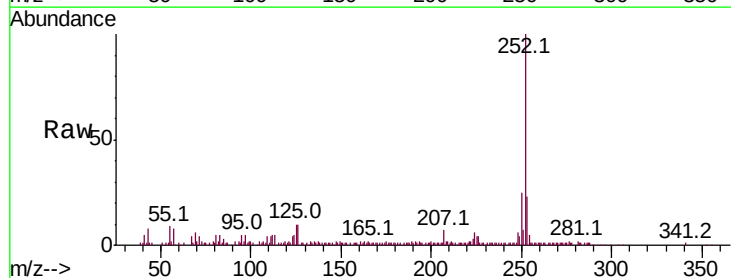


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

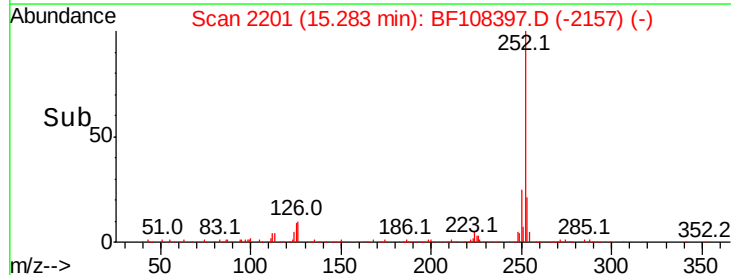
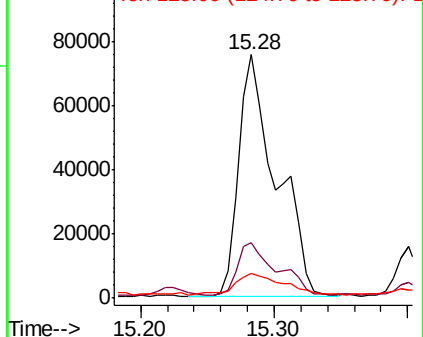


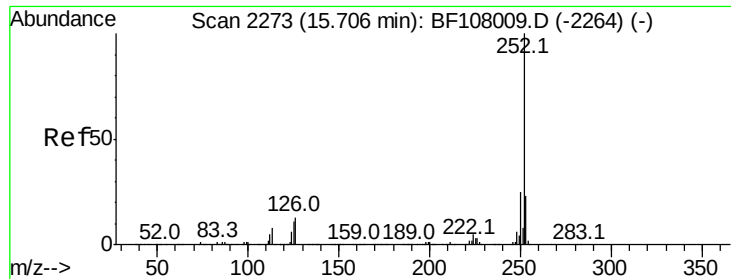
#88
Benzo(k)fluoranthene
Concen: 9.929 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF108397.D
Acq: 22 Aug 2018 21:39

Tgt Ion:252 Resp: 148420
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 10.3 10.2 15.2



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

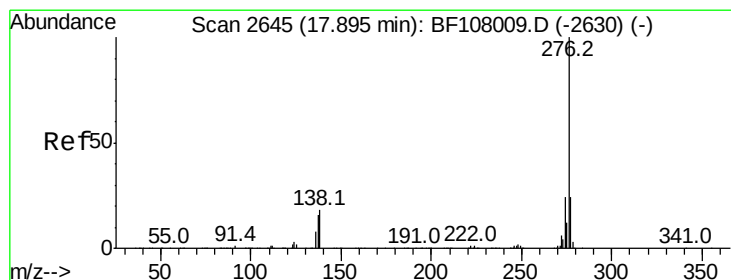
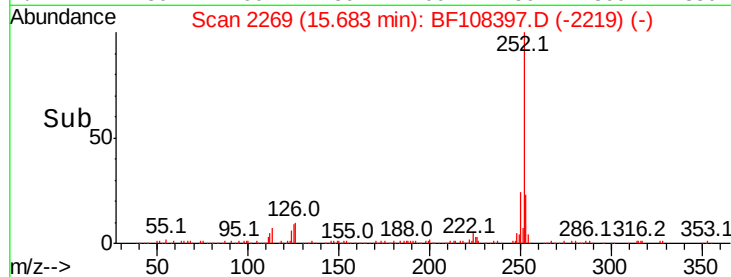
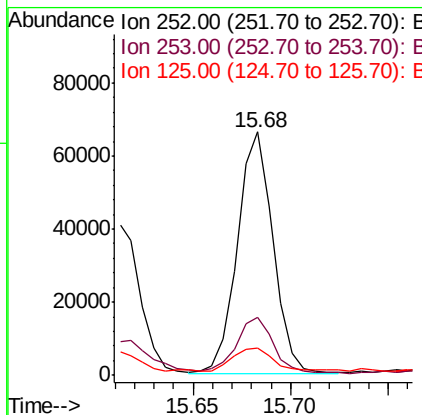
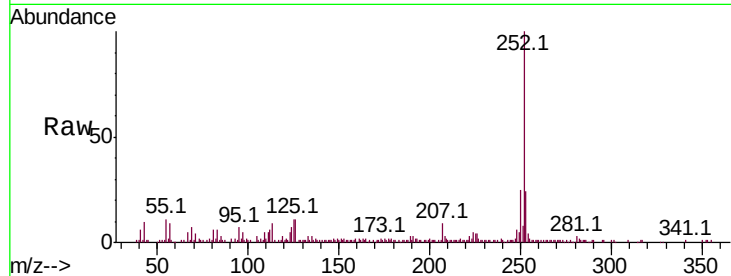




#89
Benzo(a)pyrene
Concen: 5.715 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108397.D
Acq: 22 Aug 2018 21:39

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	11.1	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 3.269 ng
RT: 17.85 min Scan# 2637
Delta R.T. -0.02 min
Lab File: BF108397.D
Acq: 22 Aug 2018 21:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	20.3	21.8	32.8

