

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
 Data File : BF108121.D
 Acq On : 13 Aug 2018 17:32
 Operator : JU/SJ
 Sample : J4282-03 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-BRE

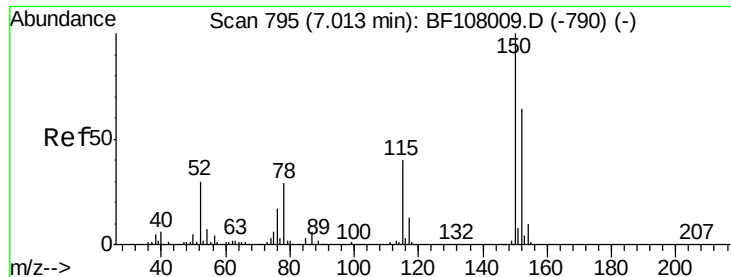
Quant Time: Aug 14 01:10:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	235721	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	860392	20.00	ng	0.00
38) Acenaphthene-d10	10.08	164	377738	20.00	ng	0.01
63) Phenanthrene-d10	11.57	188	667442	20.00	ng	0.01
75) Chrysene-d12	14.24	240	524394	20.00	ng	0.02
86) Perylene-d12	15.81	264	366494	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	326524	25.08	ng	0.01
7) Phenol-d6	6.63	99	433650	25.06	ng	0.00
23) Nitrobenzene-d5	7.58	82	258242	16.75	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	83565	22.18	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	432962	18.40	ng	0.00
78) Terphenyl-d14	13.16	244	398672	19.33	ng	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	34841	2.978	ng	# 84
25) Isophorone	7.58	82	258239	8.787	ng	# 64
32) Benzoic acid	7.99	122	130	5.989	ng	91
50) 2,6-Dinitrotoluene	10.07	165	51840	9.417	ng	# 25
56) 2,4-Dinitrotoluene	10.07	165	51840	7.316	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.87	198	106	5.396	ng	# 1
70) Phenanthrene	11.60	178	267143	8.486	ng	98
71) Anthracene	11.65	178	78001	2.417	ng	98
74) Fluoranthene	12.80	202	404801	11.782	ng	96
77) Pyrene	13.03	202	373601	11.253	ng	100
80) Benzo(a)anthracene	14.22	228	162695	5.406	ng	98
82) Chrysene	14.26	228	126821	4.597	ng	97
85) Indeno(1,2,3-cd)pyrene	17.45	276	59305	2.481	ng	# 89
87) Benzo(b)fluoranthene	15.34	252	180549	8.244	ng	# 91
88) Benzo(k)fluoranthene	15.34	252	180549	8.969	ng	94
89) Benzo(a)pyrene	15.74	252	100835	5.142	ng	# 93
91) Benzo(g,h,i)perylene	17.95	276	54026	3.381	ng	# 87

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

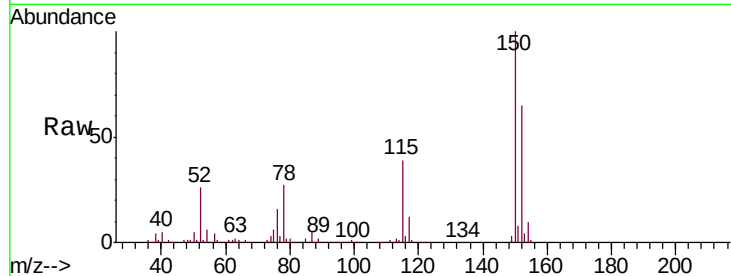


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080918-BRE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.6	186.8
115	59.7	50.1	75.1

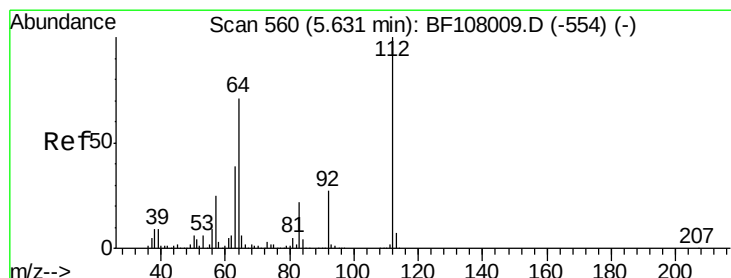
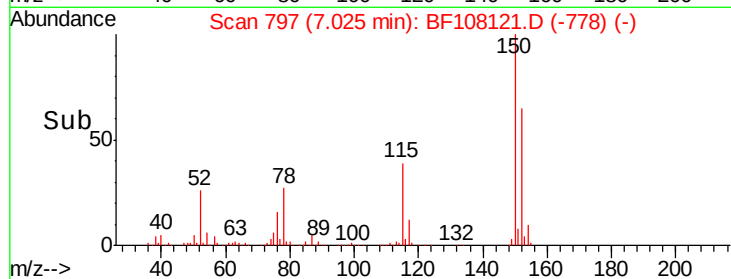
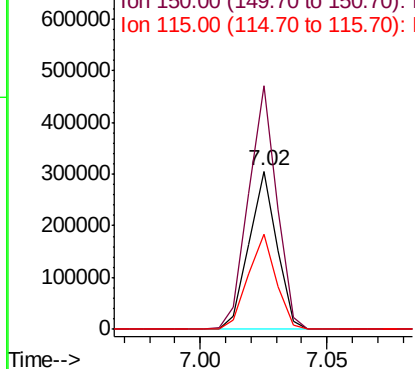


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

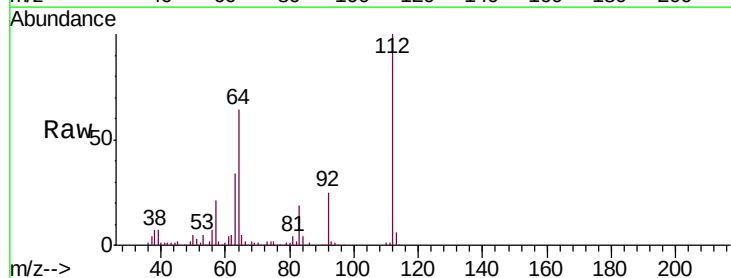
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 25.079 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	47.9	71.9
63	33.6	23.7	35.5

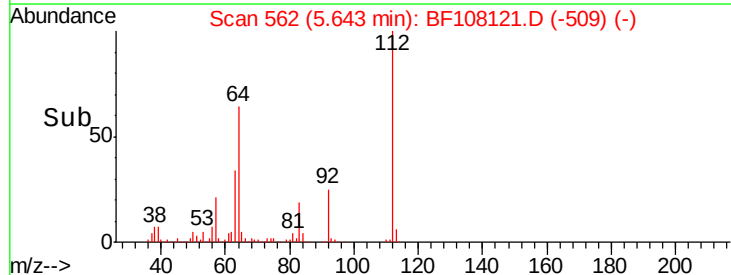
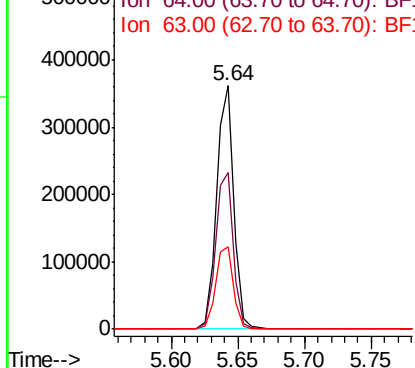


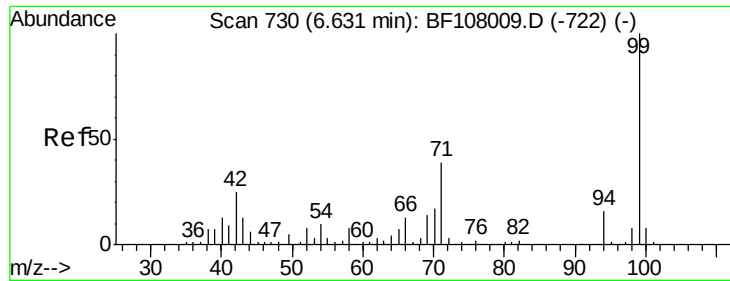
Abundance

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: 25.064 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

Instrument :

BNA_F

ClientSampleId :

SU-02-080918-BRE

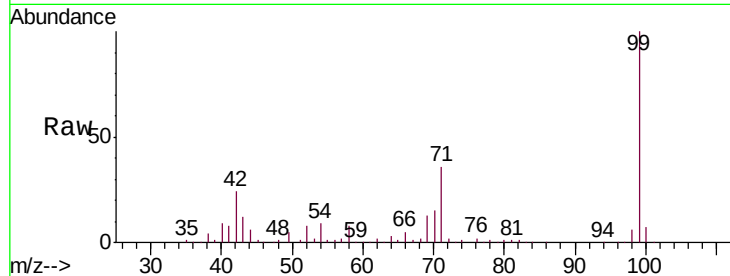
Tgt Ion: 99 Resp: 433650

Ion Ratio Lower Upper

99 100

42 23.5 14.5 21.7#

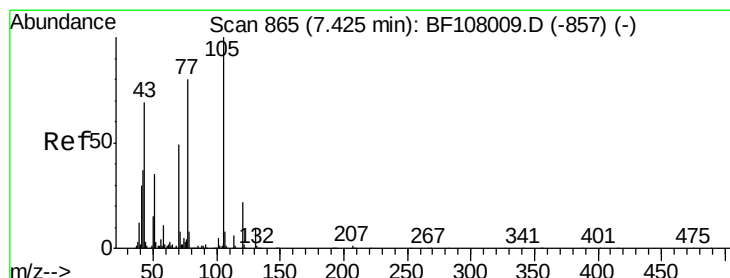
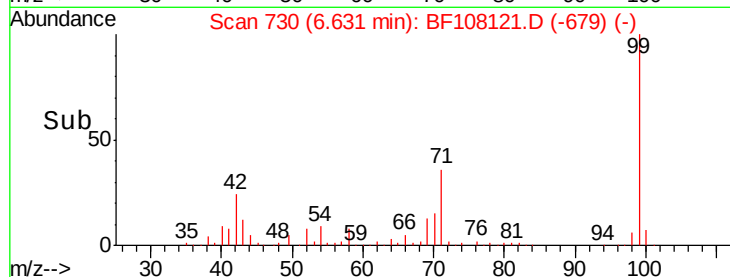
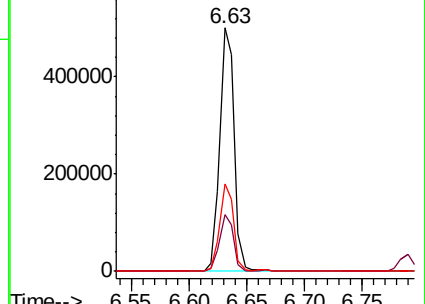
71 35.9 25.4 38.0



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: 2.978 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

Tgt Ion: 70 Resp: 34841

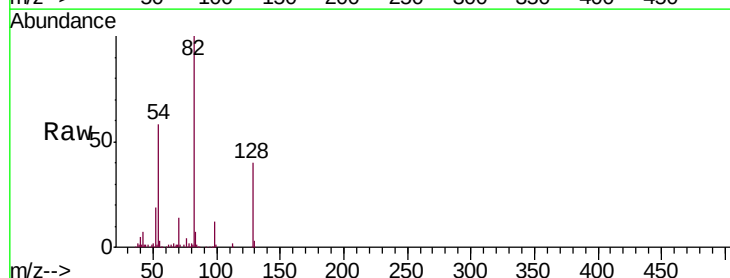
Ion Ratio Lower Upper

70 100

42 55.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.5 16.6 25.0#

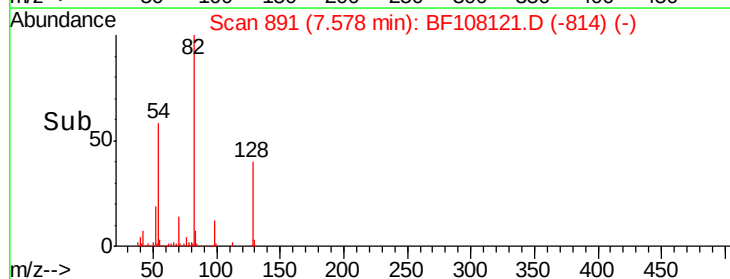
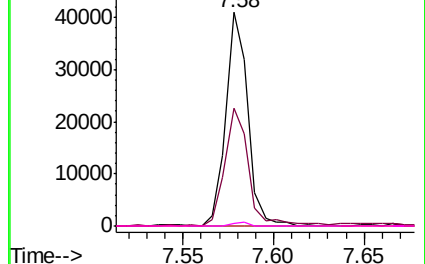


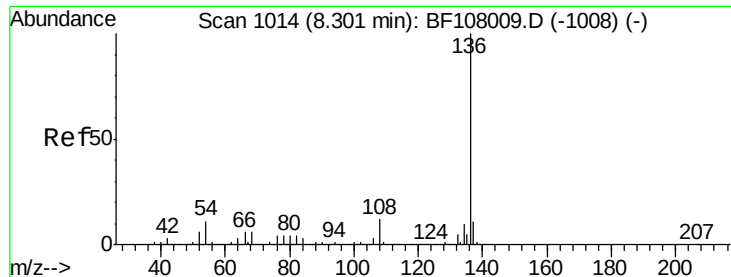
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

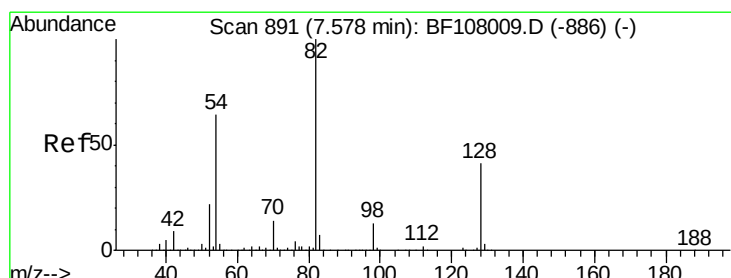
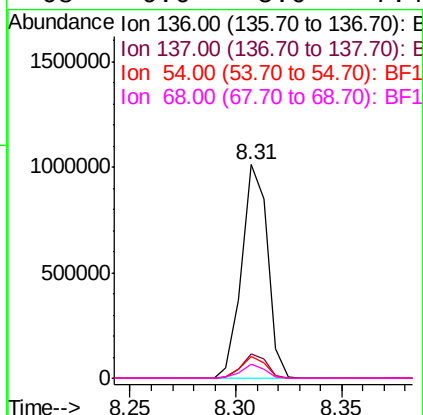
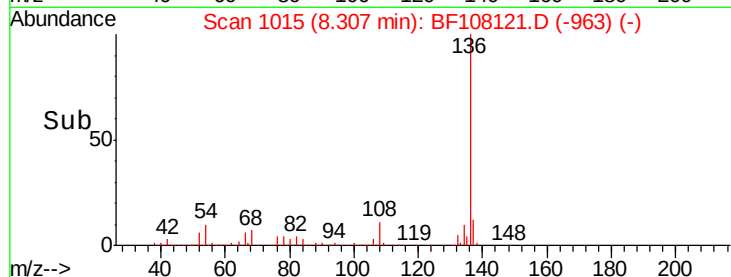
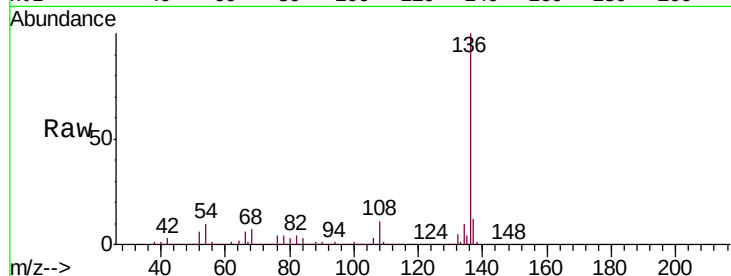




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.31 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

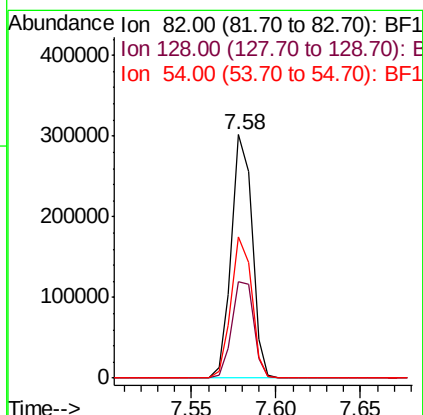
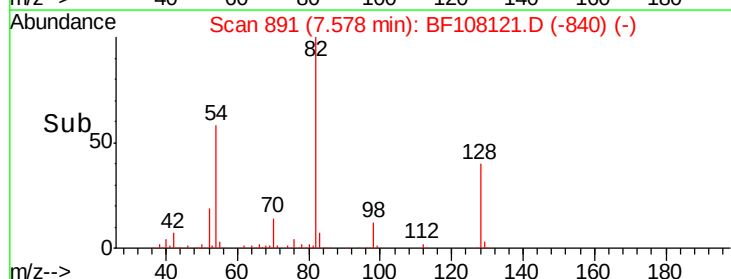
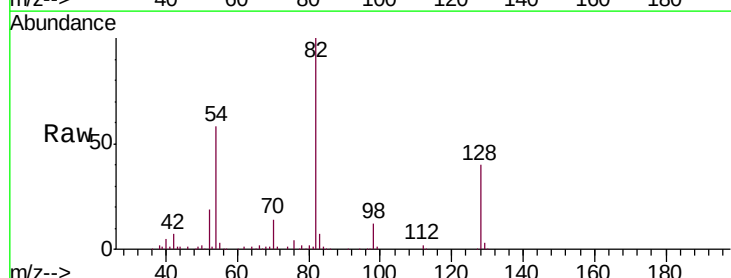
Instrument :
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SU-02-080918-BRE

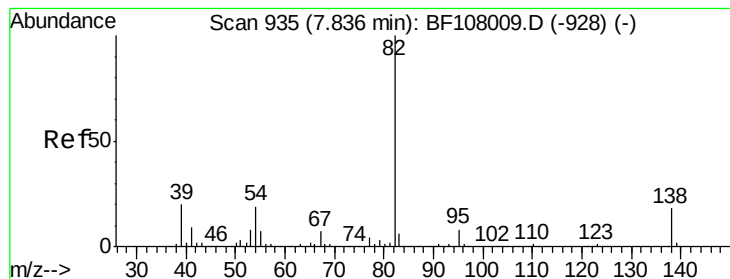
Tgt Ion:	136	Resp:	860392
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	10.2	6.6	9.8#
68	6.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 16.749 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

Tgt Ion:	82	Resp:	258242
Ion	Ratio	Lower	Upper
82	100		
128	39.7	36.1	54.1
54	58.1	41.4	62.2





#25

Isophorone

Concen: 8.787 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

Instrument :

BNA_F

ClientSampleId :

SU-02-080918-BRE

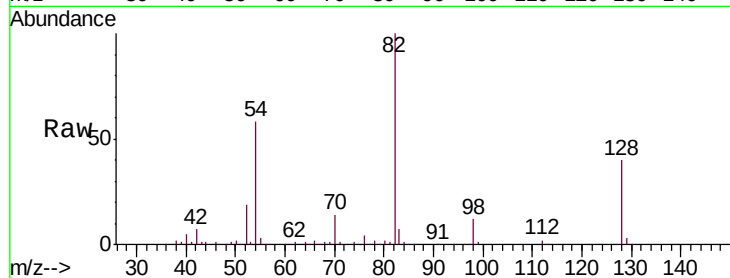
Tgt Ion: 82 Resp: 258239

Ion Ratio Lower Upper

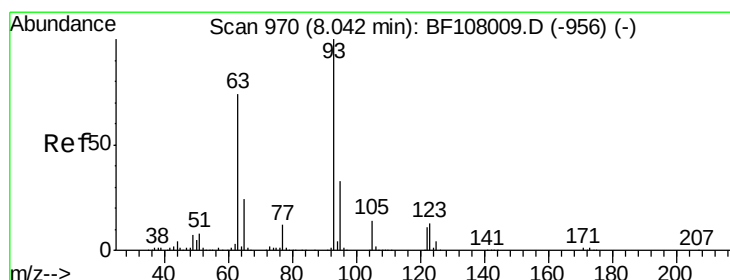
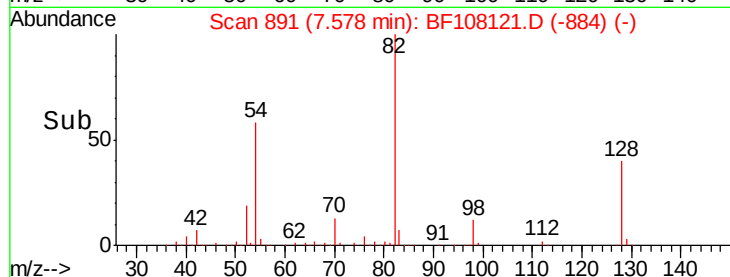
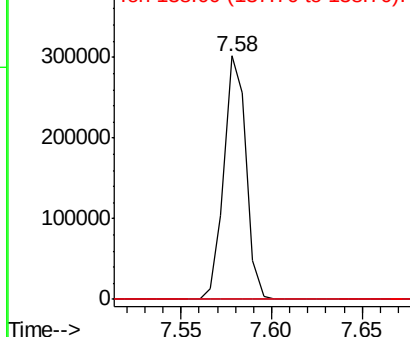
82 100

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



#32

Benzoic acid

Concen: 5.989 ng

RT: 7.99 min Scan# 961

Delta R.T. -0.05 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

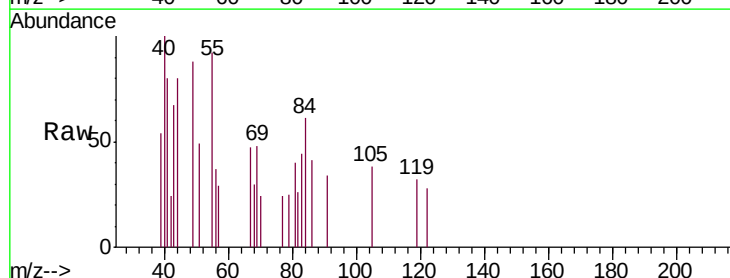
Tgt Ion: 122 Resp: 130

Ion Ratio Lower Upper

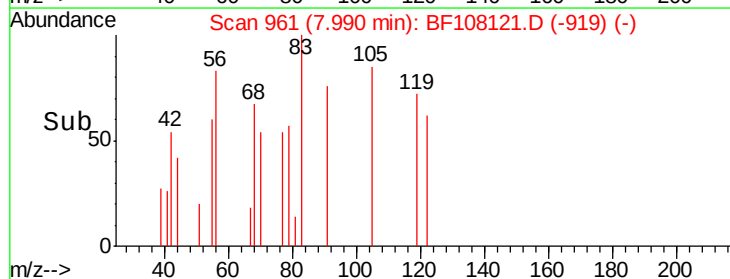
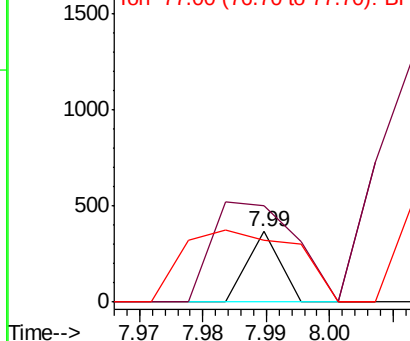
122 100

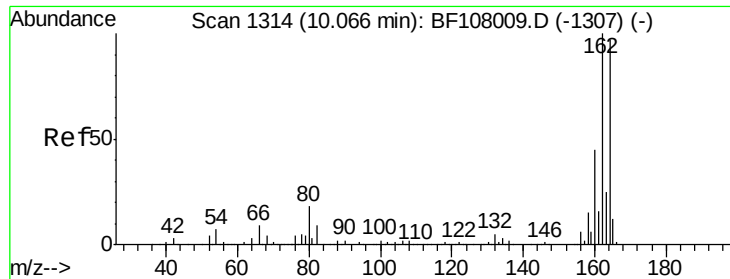
105 136.2 101.1 141.1

77 86.9 70.7 110.7



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

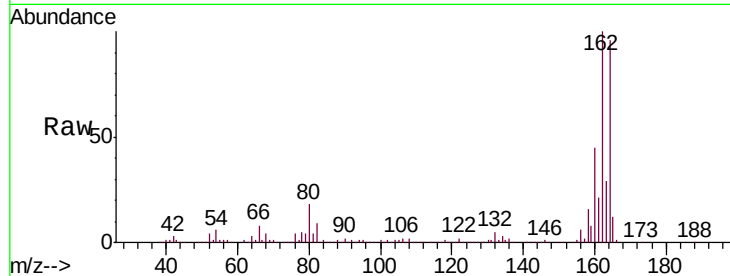




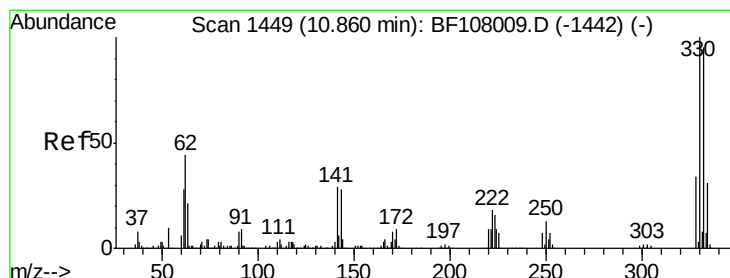
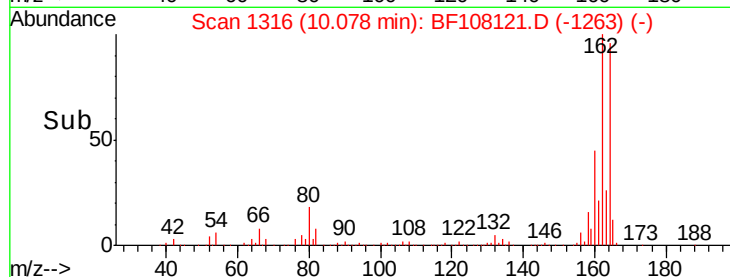
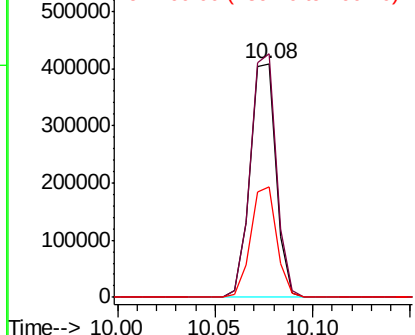
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.08 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: BF108121.D
 Acq: 13 Aug 2018 17:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-BRE

Tgt Ion:164 Resp: 377738
 Ion Ratio Lower Upper
 164 100
 162 104.1 86.1 129.1
 160 47.1 38.3 57.5

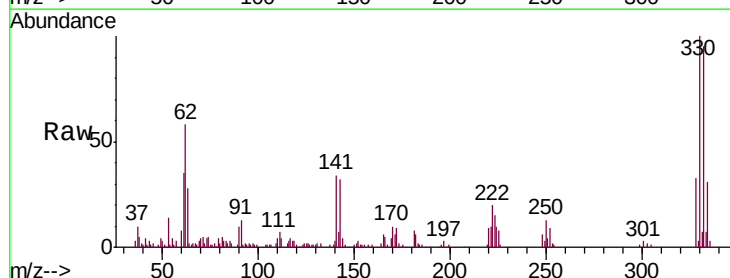


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

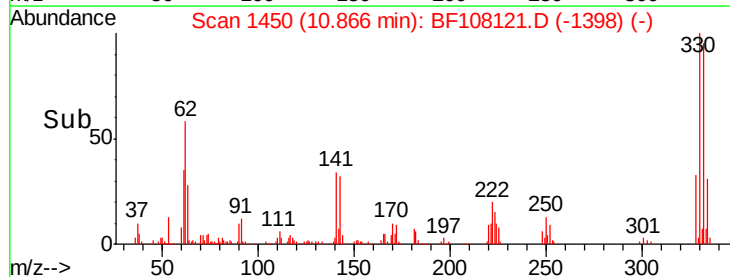
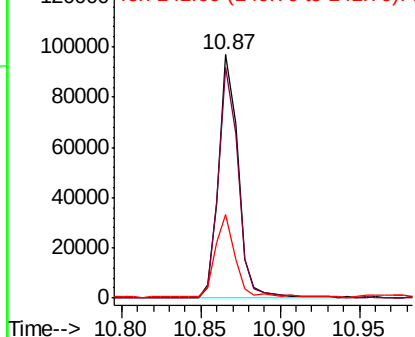


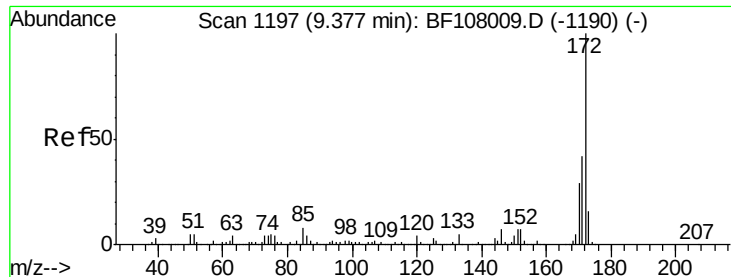
#41
 2,4,6-Tribromophenol
 Concen: 22.178 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF108121.D
 Acq: 13 Aug 2018 17:32

Tgt Ion:330 Resp: 83565
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 36.2 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

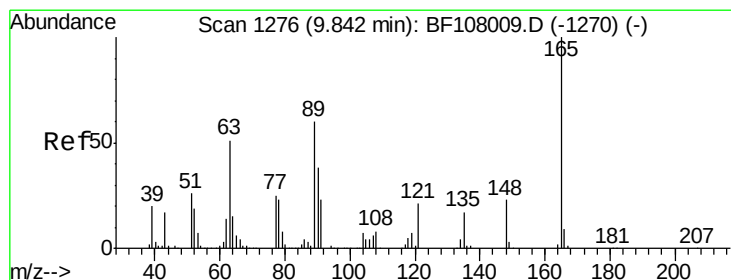
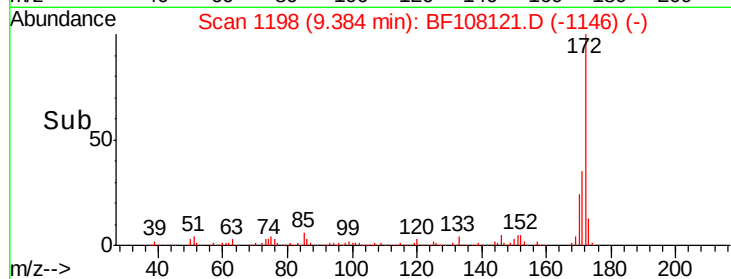
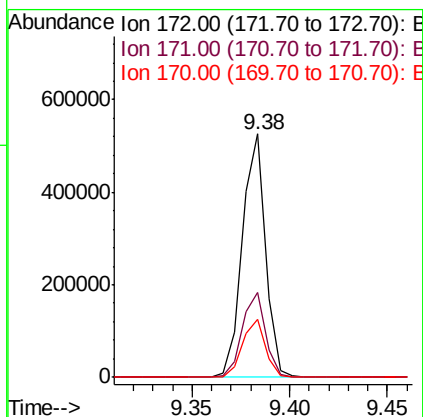
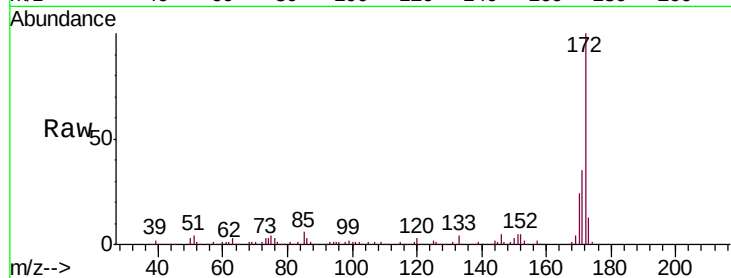




#44
2-Fluorobiphenyl
Concen: 18.402 ng
RT: 9.38 min Scan# 1198
Delta R.T. 0.01 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

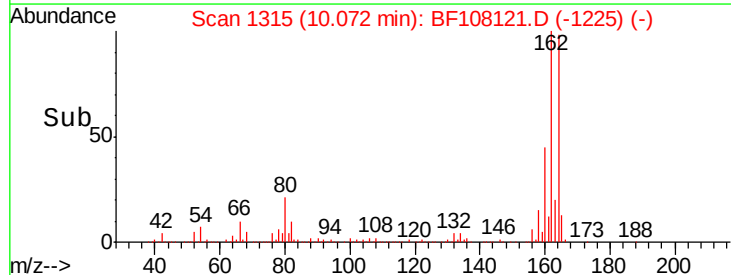
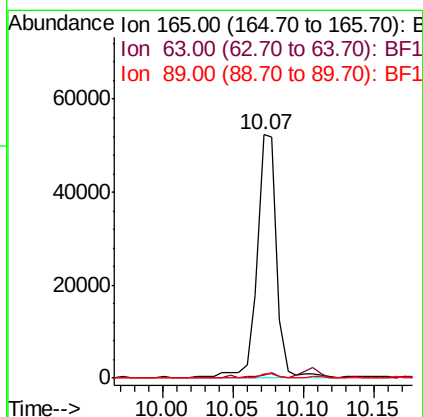
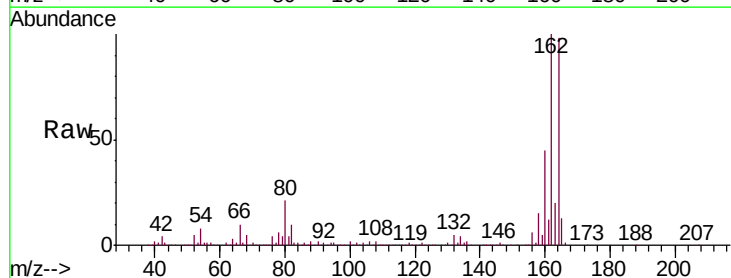
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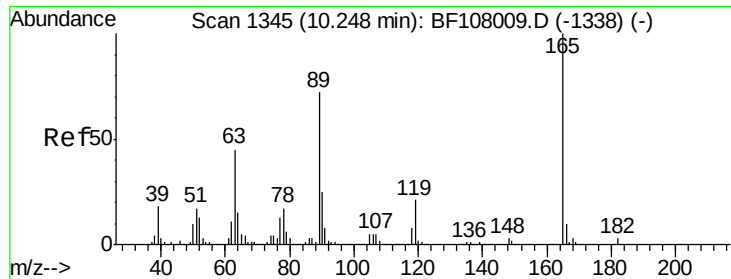
Tgt Ion:172 Resp: 432962
Ion Ratio Lower Upper
172 100
171 35.1 29.7 44.5
170 23.6 19.6 29.4



#50
2,6-Dinitrotoluene
Concen: 9.417 ng
RT: 10.07 min Scan# 1315
Delta R.T. 0.23 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

Tgt Ion:165 Resp: 51840
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 1.6 44.0 66.0#

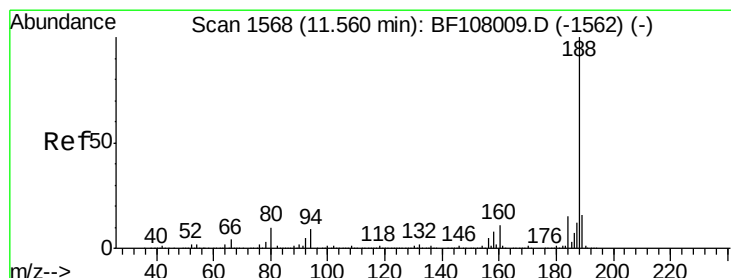
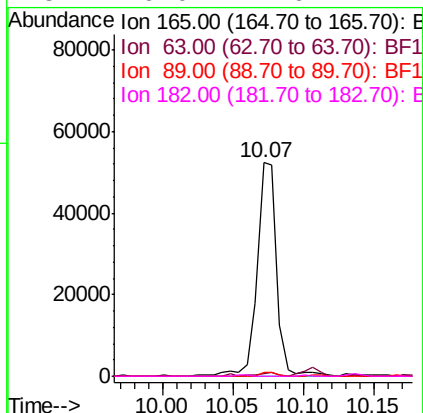
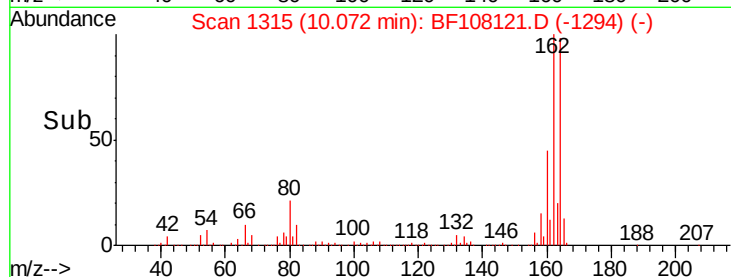
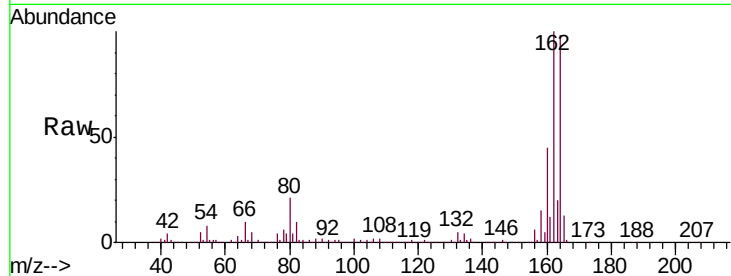




#56
 2,4-Dinitrotoluene
 Concen: 7.316 ng
 RT: 10.07 min Scan# 1315
 Delta R.T. -0.18 min
 Lab File: BF108121.D
 Acq: 13 Aug 2018 17:32

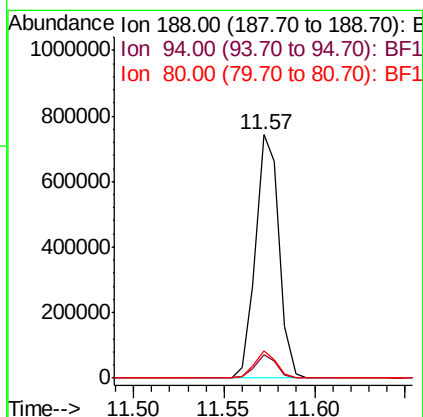
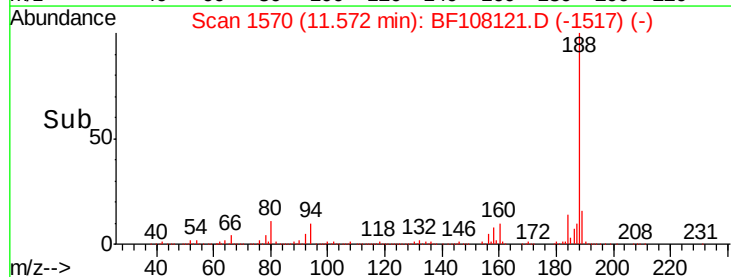
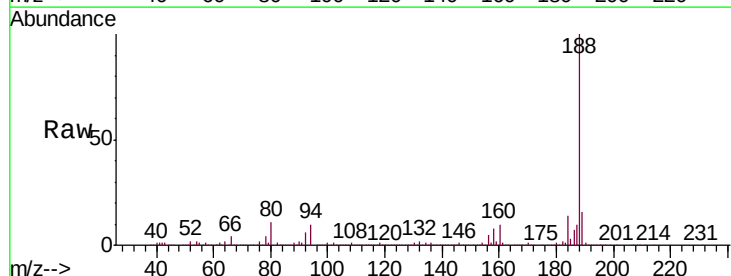
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-BRE

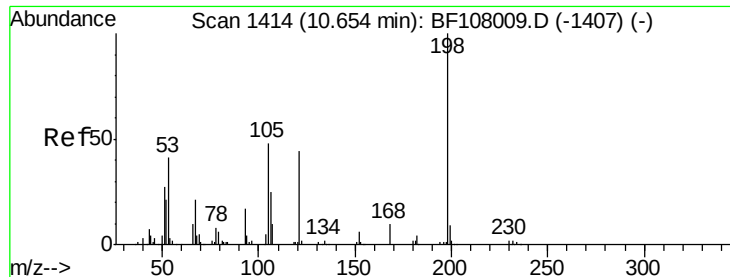
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF108121.D
 Acq: 13 Aug 2018 17:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	11.3	9.2	13.8

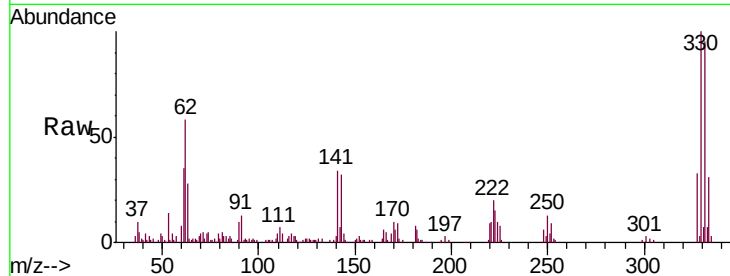




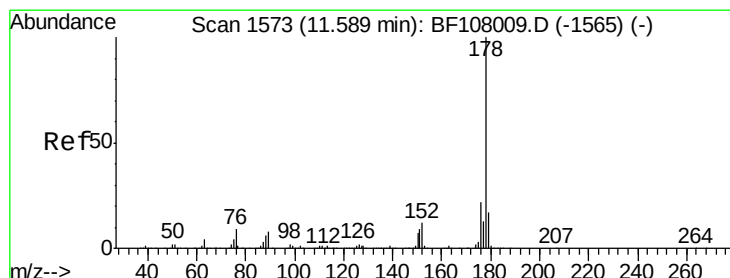
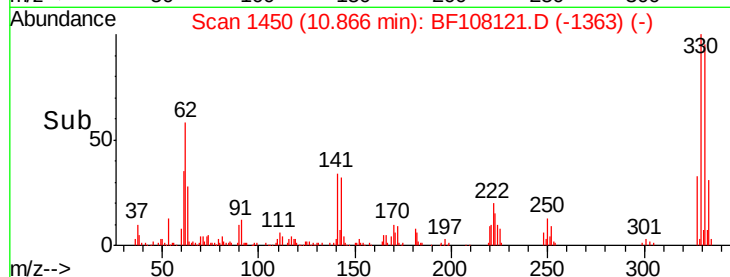
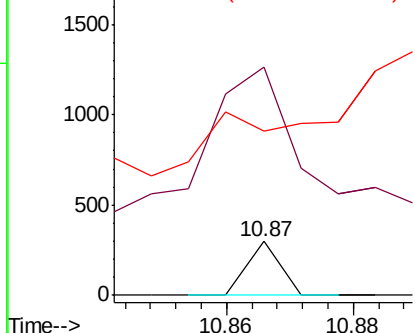
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.396 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. 0.21 min
 Lab File: BF108121.D
 Acq: 13 Aug 2018 17:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-BRE

Tgt Ion:198 Resp: 106
 Ion Ratio Lower Upper
 198 100
 51 422.3 37.7 77.7#
 105 304.0 36.3 76.3#

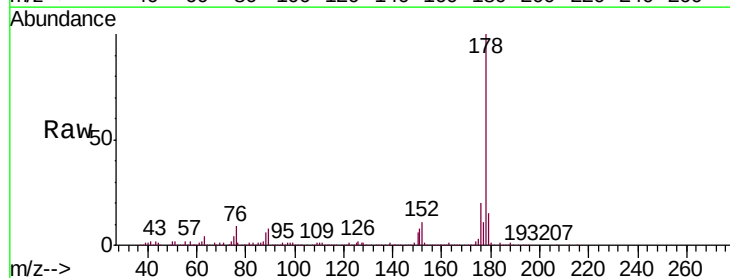


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

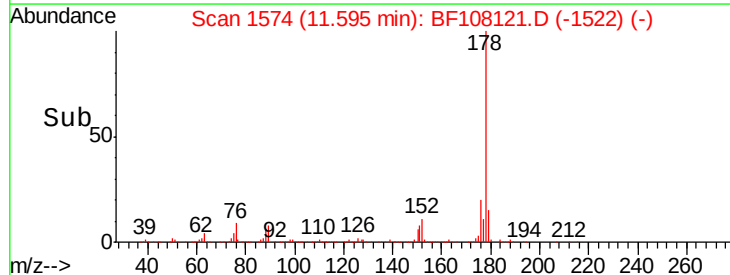
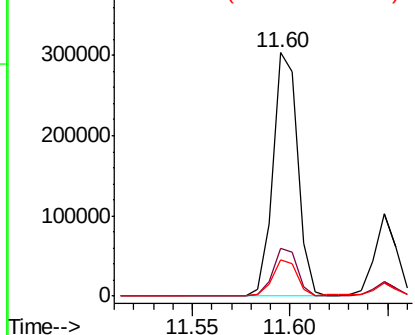


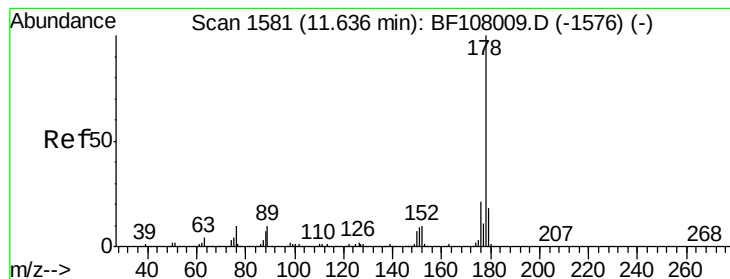
#70
 Phenanthrene
 Concen: 8.486 ng
 RT: 11.60 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: BF108121.D
 Acq: 13 Aug 2018 17:32

Tgt Ion:178 Resp: 267143
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 15.1 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: 2.417 ng

RT: 11.65 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

Instrument :

BNA_F

ClientSampleId :

SU-02-080918-BRE

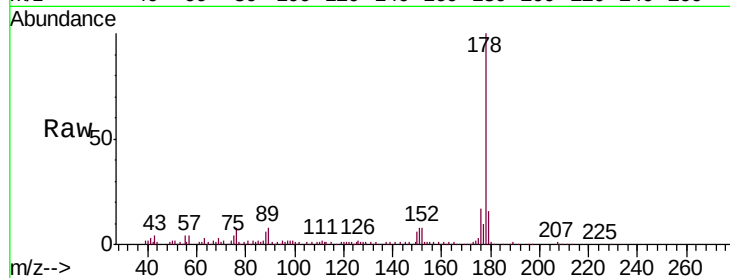
Tgt Ion:178 Resp: 78001

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.2

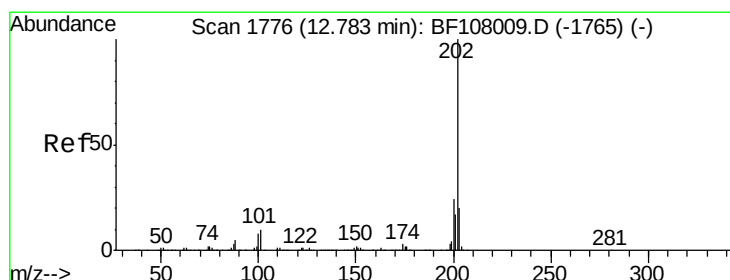
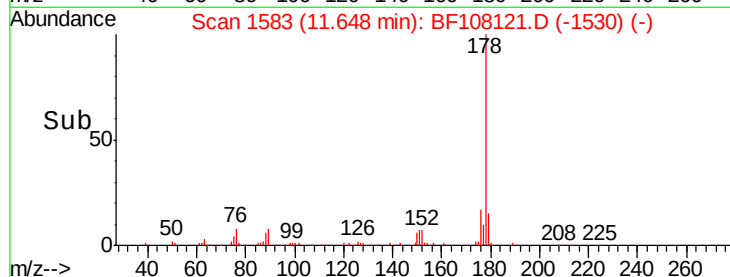
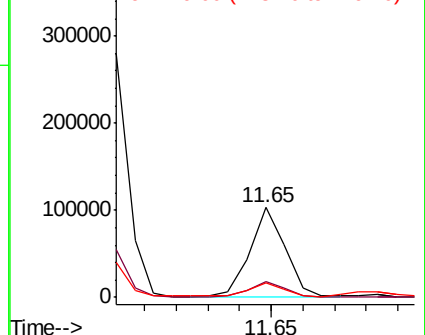
179 16.0 12.6 19.0



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



#74

Fluoranthene

Concen: 11.782 ng

RT: 12.80 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

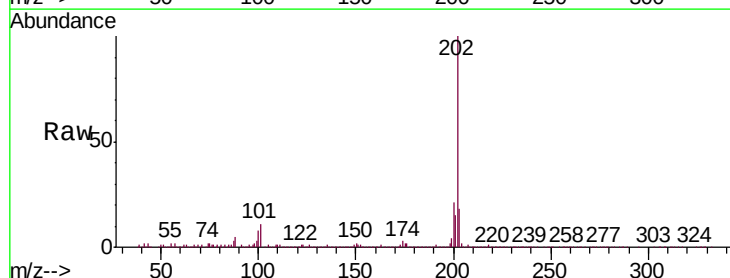
Tgt Ion:202 Resp: 404801

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.1

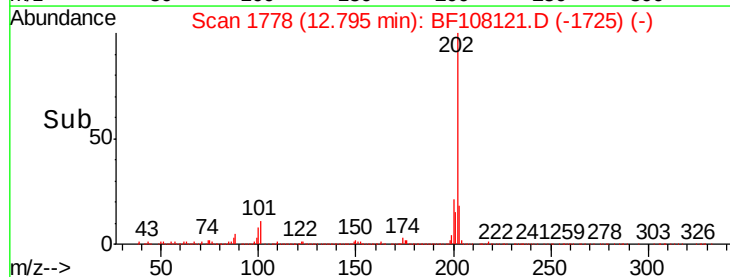
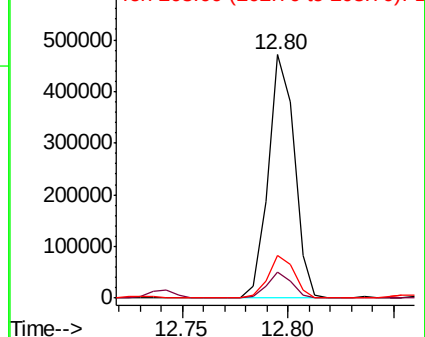
203 17.7 0.0 38.1

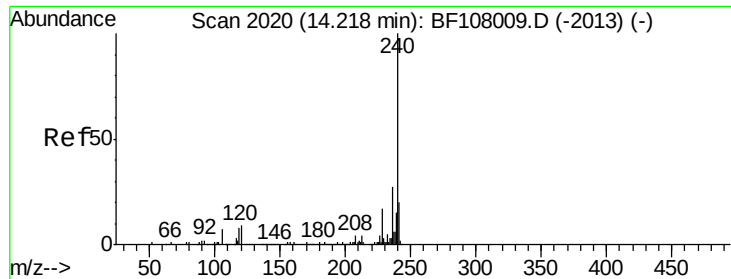


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.24 min Scan# 2023

Delta R.T. 0.02 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

Instrument :

BNA_F

ClientSampleId :

SU-02-080918-BRE

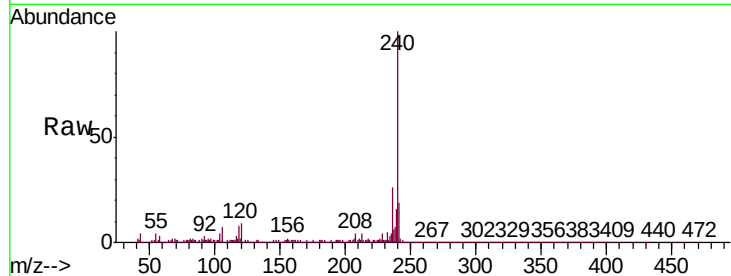
Tgt Ion:240 Resp: 524394

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

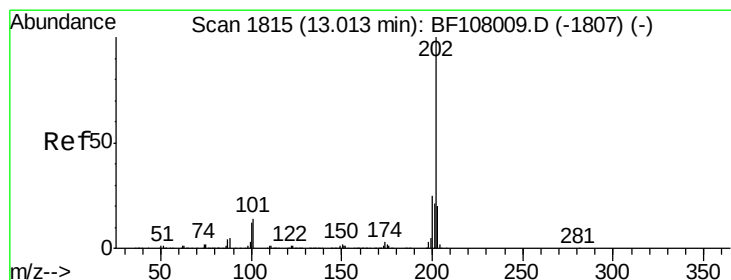
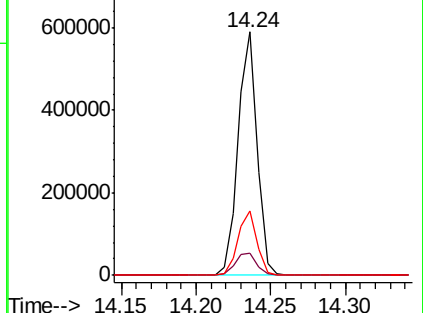
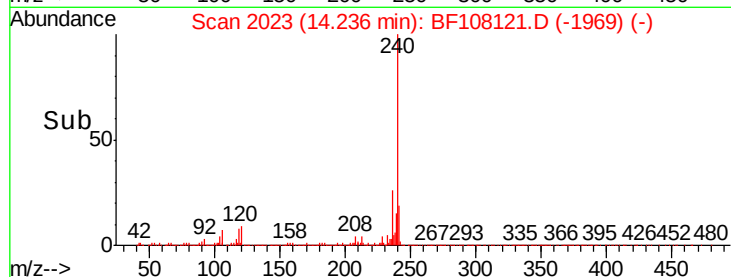
236 26.5 20.7 31.1



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: 11.253 ng

RT: 13.03 min Scan# 1818

Delta R.T. 0.02 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

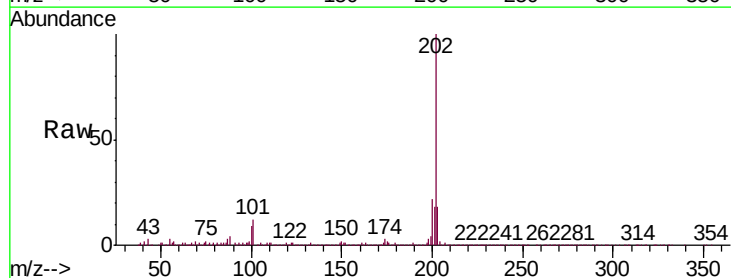
Tgt Ion:202 Resp: 373601

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

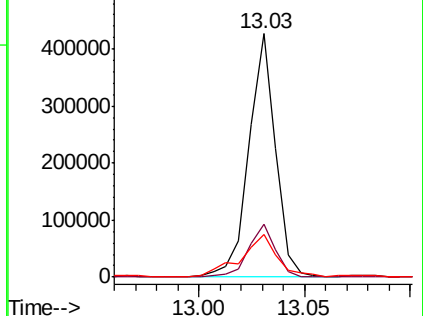
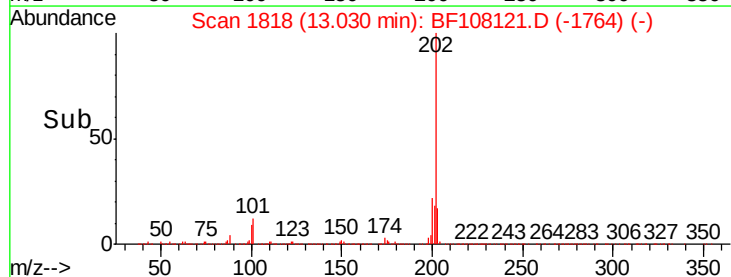
203 17.7 14.3 21.5

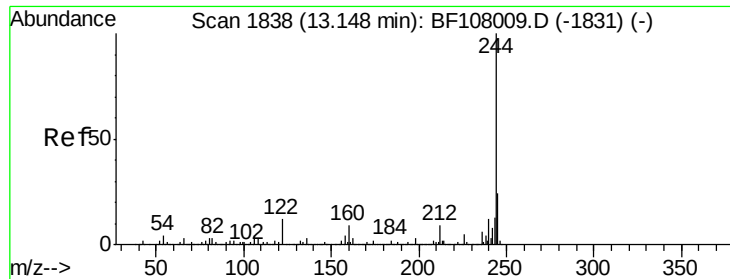


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

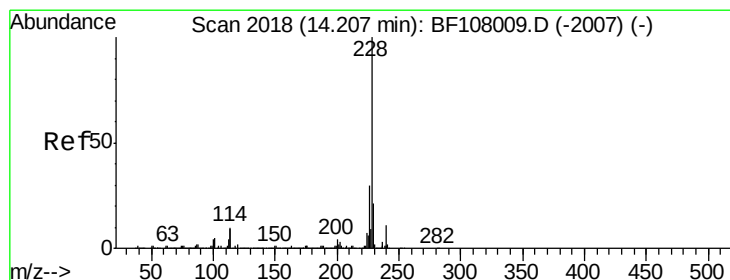
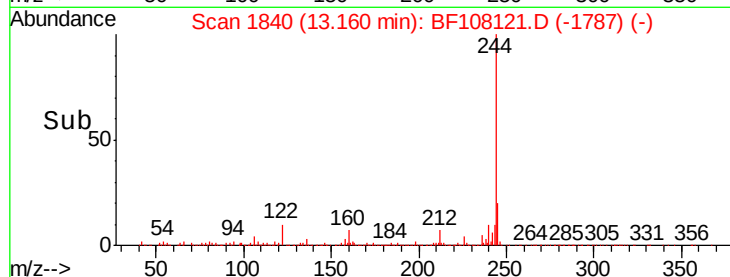
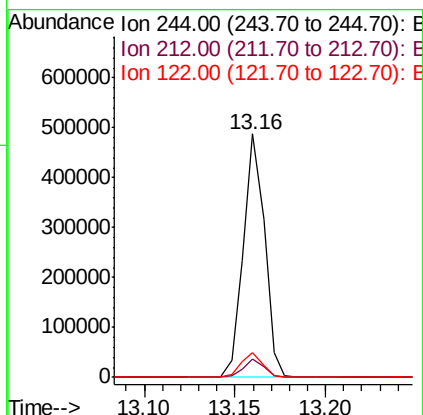
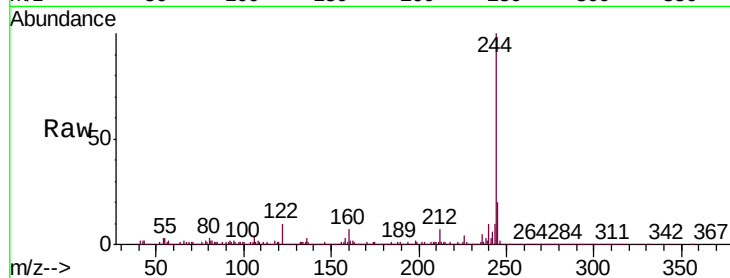




#78
 Terphenyl-d14
 Concen: 19.330 ng
 RT: 13.16 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF108121.D
 Acq: 13 Aug 2018 17:32

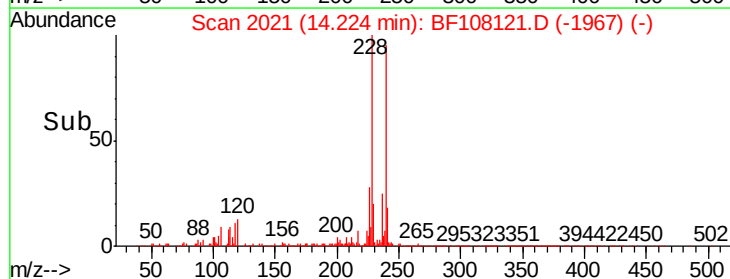
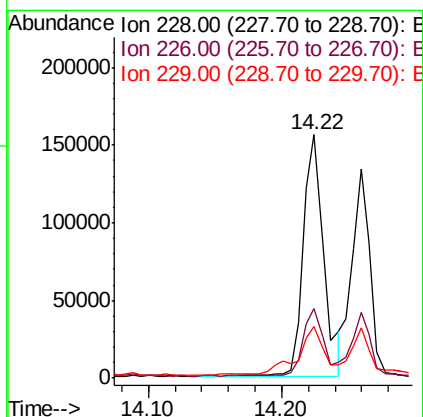
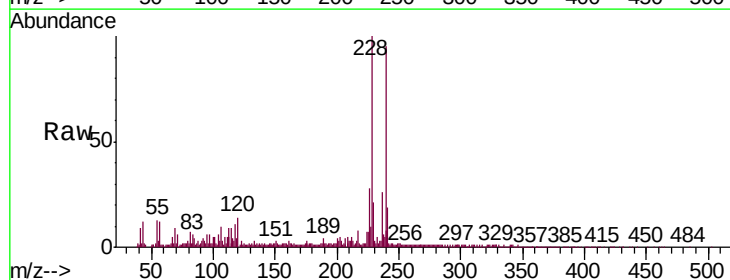
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-BRE

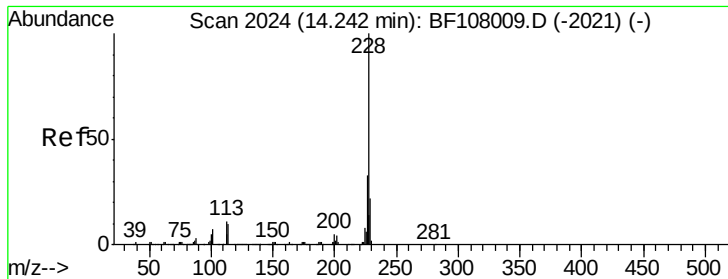
Tgt Ion:244 Resp: 398672
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 10.2 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 5.406 ng
 RT: 14.22 min Scan# 2021
 Delta R.T. 0.02 min
 Lab File: BF108121.D
 Acq: 13 Aug 2018 17:32

Tgt Ion:228 Resp: 162695
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.6 33.8
 229 21.4 15.8 23.6





#82

Chrysene

Concen: 4.597 ng

RT: 14.26 min Scan# 2027

Delta R.T. 0.02 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

Instrument :

BNA_F

ClientSampleId :

SU-02-080918-BRE

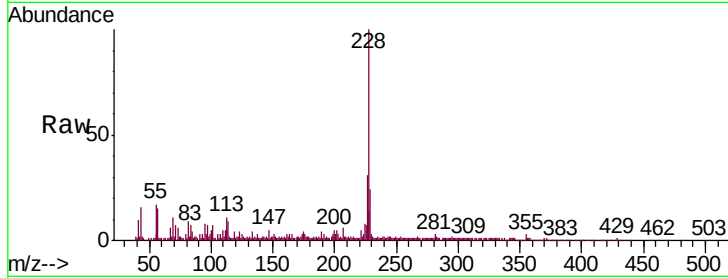
Tgt Ion:228 Resp: 126821

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

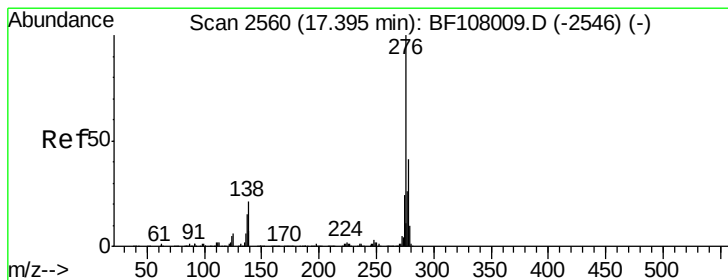
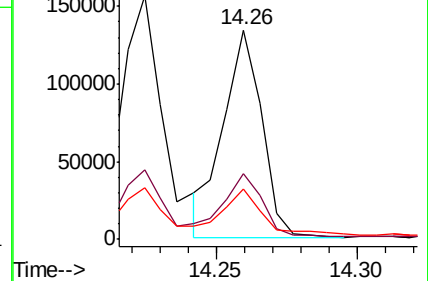
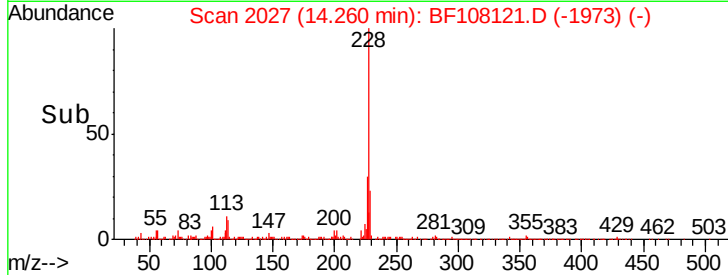
229 23.9 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.481 ng

RT: 17.45 min Scan# 2570

Delta R.T. 0.06 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

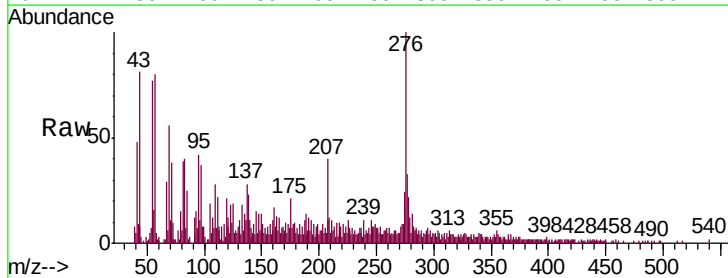
Tgt Ion:276 Resp: 59305

Ion Ratio Lower Upper

276 100

138 20.8 25.0 37.6#

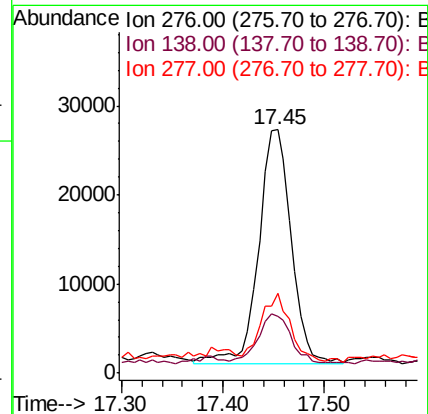
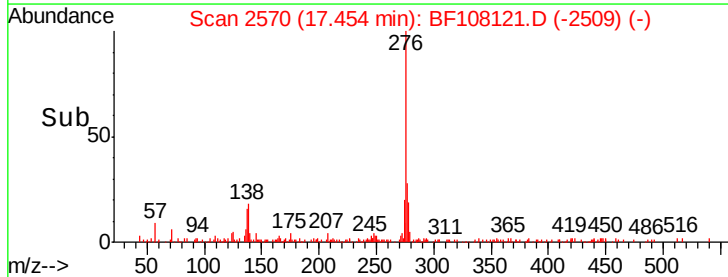
277 25.2 20.1 30.1

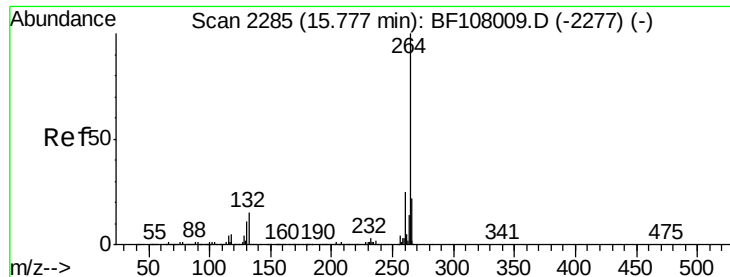


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

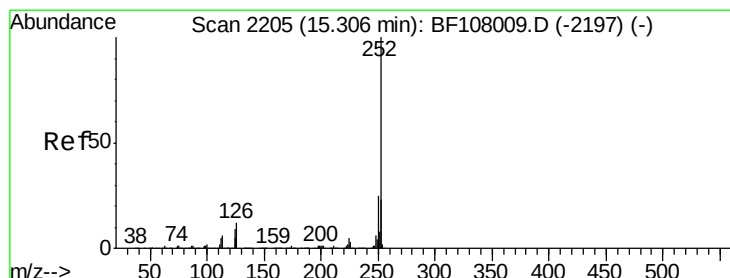
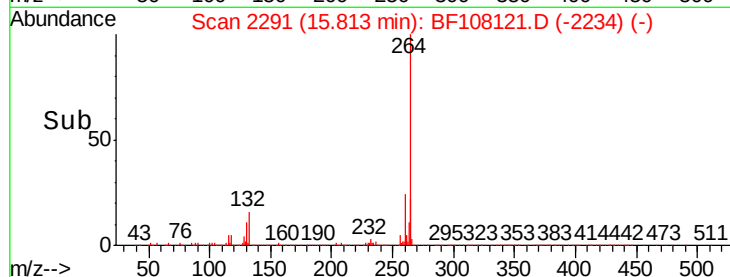
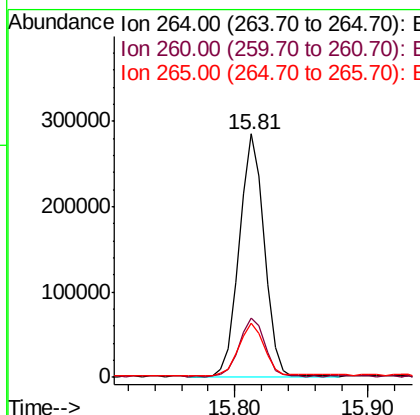
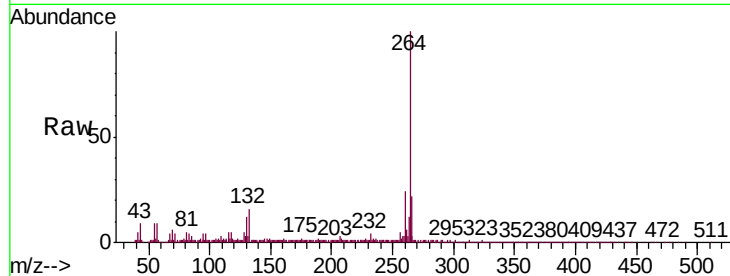




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.81 min Scan# 2291
Delta R.T. 0.04 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

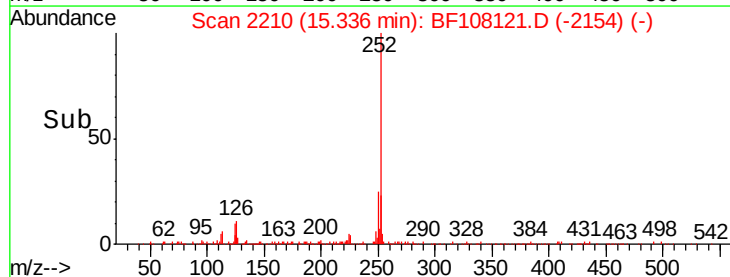
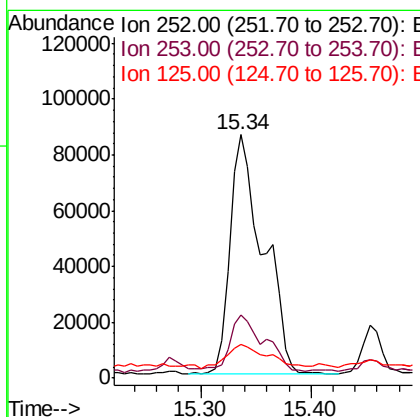
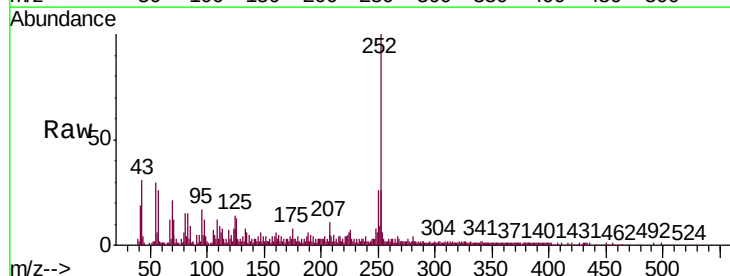
Instrument :
BNA_F
ClientSampleId :
SU-02-080918-BRE

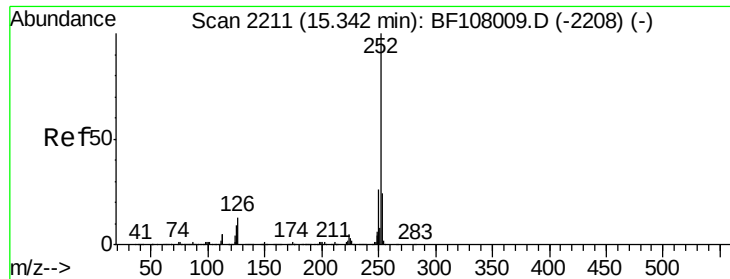
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 8.244 ng
RT: 15.34 min Scan# 2210
Delta R.T. 0.03 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.0	25.6#
125	13.8	9.0	13.6#

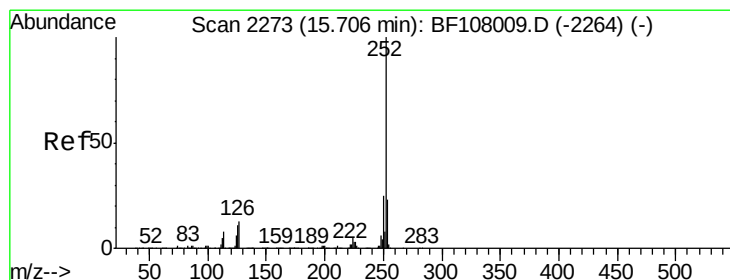
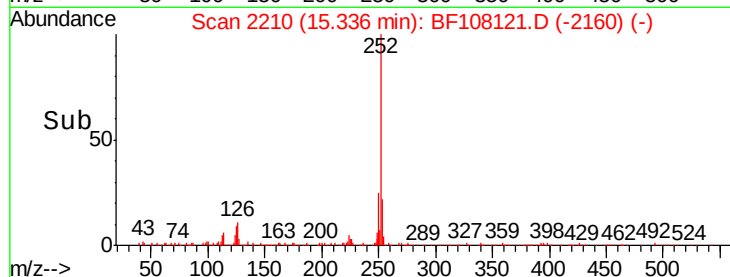
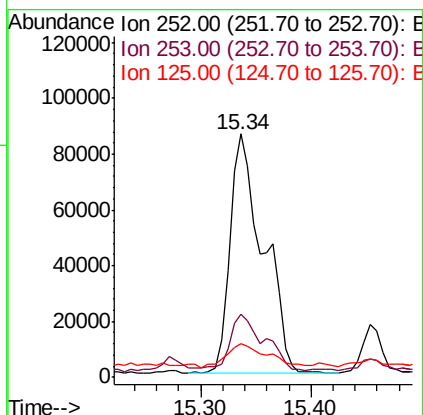
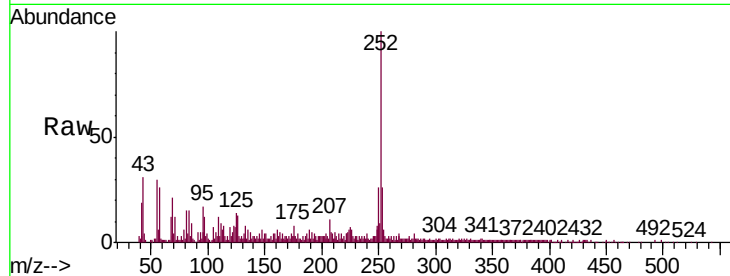




#88
Benzo(k)fluoranthene
Concen: 8.969 ng
RT: 15.34 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

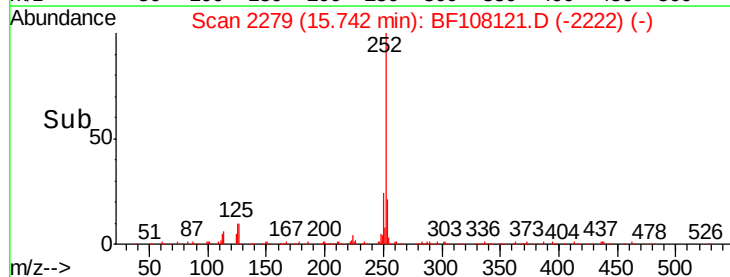
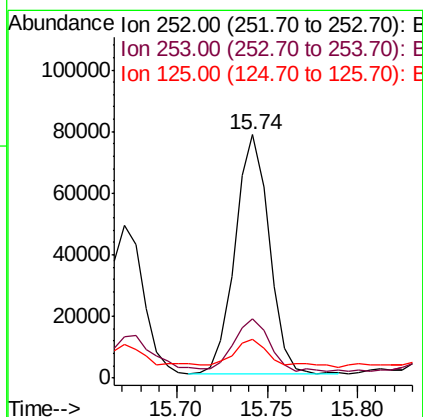
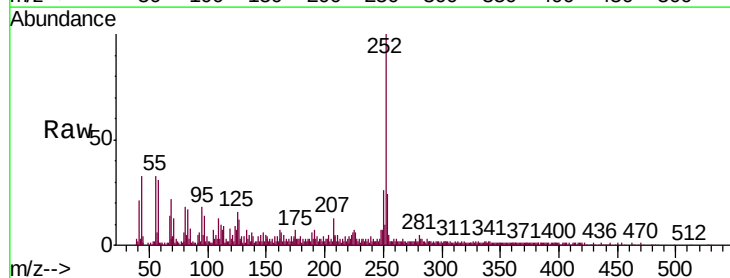
Instrument :
BNA_F
ClientSampleId :
SU-02-080918-BRE

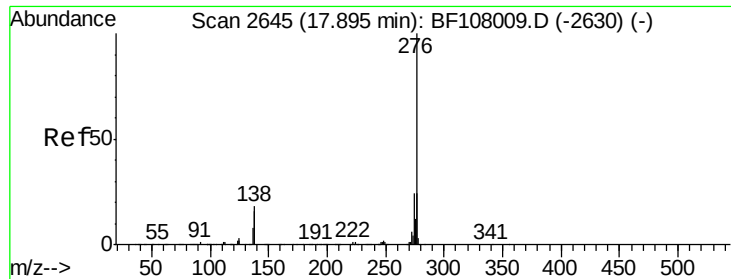
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	13.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 5.142 ng
RT: 15.74 min Scan# 2279
Delta R.T. 0.04 min
Lab File: BF108121.D
Acq: 13 Aug 2018 17:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	15.8	9.8	14.6





#91

Benzo(g,h,i)perylene

Concen: 3.381 ng

RT: 17.95 min Scan# 2655

Delta R.T. 0.06 min

Lab File: BF108121.D

Acq: 13 Aug 2018 17:32

Instrument :

BNA_F

ClientSampleId :

SU-02-080918-BRE

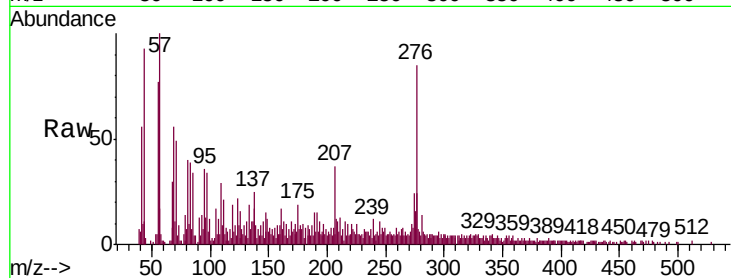
Tgt Ion: 276 Resp: 54026

Ion Ratio Lower Upper

276 100

277 28.8 17.9 26.9#

138 20.5 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

