

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082118\
 Data File : BF108346.D
 Acq On : 21 Aug 2018 19:20
 Operator : JU/SJ
 Sample : J4521-10DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11975DL

Quant Time: Aug 21 23:18:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

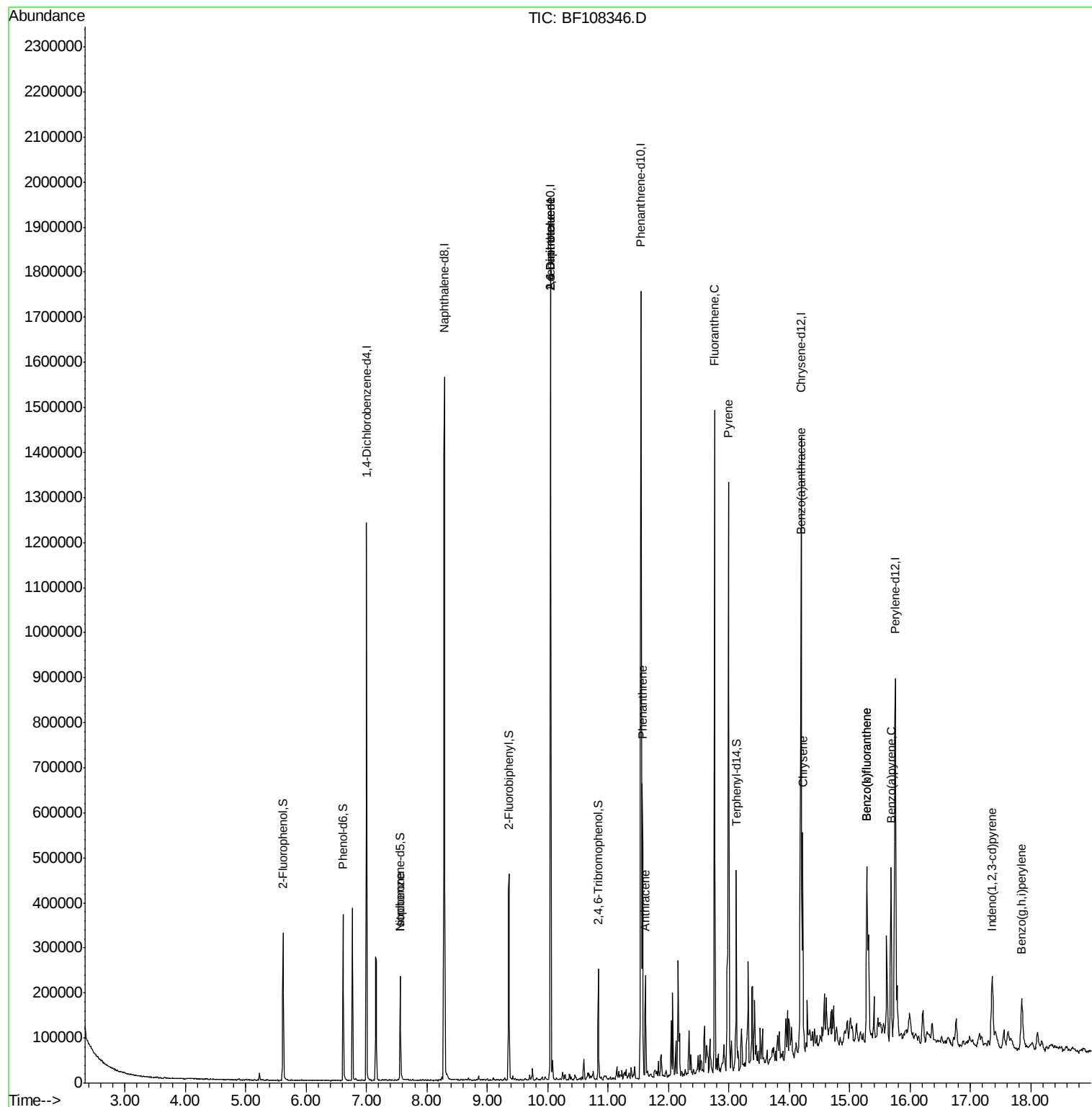
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	175683	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	702713	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	354139	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	667773	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	396399	20.00	ng	-0.02
86) Perylene-d12	15.75	264	393686	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	81258	8.37	ng	-0.01
7) Phenol-d6	6.61	99	111651	8.66	ng	-0.02
23) Nitrobenzene-d5	7.56	82	70029	5.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	25155	7.12	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	148139	6.72	ng	-0.02
78) Terphenyl-d14	13.12	244	130557	8.37	ng	-0.02
Target Compounds						
25) Isophorone	7.56	82	70028	2.917	ng	Qvalue # 64
50) 2,6-Dinitrotoluene	10.05	165	46877	9.083	ng	# 26
56) 2,4-Dinitrotoluene	10.05	165	46877	7.056	ng	# 24
70) Phenanthrene	11.57	178	224964	7.143	ng	97
71) Anthracene	11.62	178	85656	2.653	ng	98
74) Fluoranthene	12.77	202	570481	16.596	ng	95
77) Pyrene	12.99	202	519443	20.698	ng	100
80) Benzo(a)anthracene	14.18	228	231152	10.161	ng	99
82) Chrysene	14.22	228	188322	9.029	ng	99
85) Indeno(1,2,3-cd)pyrene	17.35	276	107955	5.974	ng	# 89
87) Benzo(b)fluoranthene	15.28	252	324718	13.803	ng	98
88) Benzo(k)fluoranthene	15.28	252	324718	15.016	ng	# 97
89) Benzo(a)pyrene	15.68	252	187917	8.921	ng	95
91) Benzo(g,h,i)perylene	17.85	276	95145	5.544	ng	# 90

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

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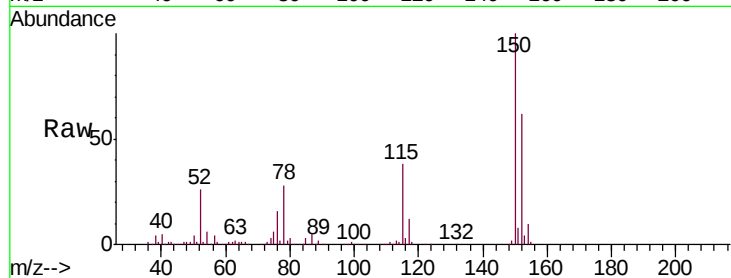


#1

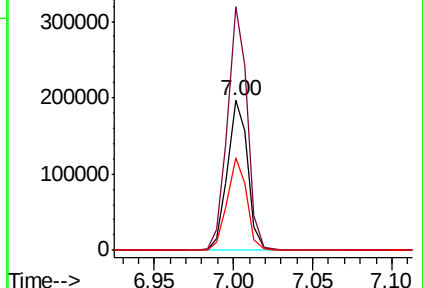
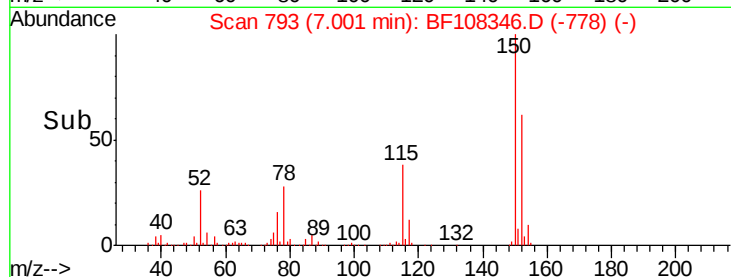
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Instrument :
BNA_F
ClientSampleId :
72-11975DL

Tgt Ion:152 Resp: 175683
Ion Ratio Lower Upper
152 100
150 162.4 124.6 186.8
115 62.0 50.1 75.1



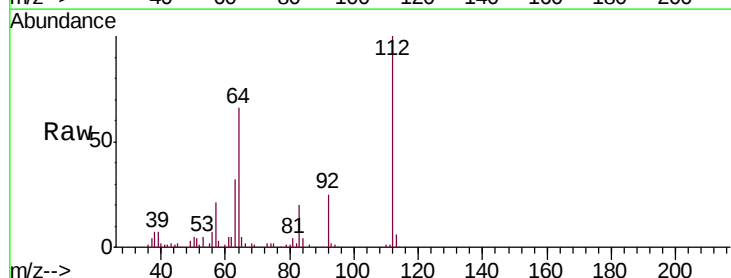
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



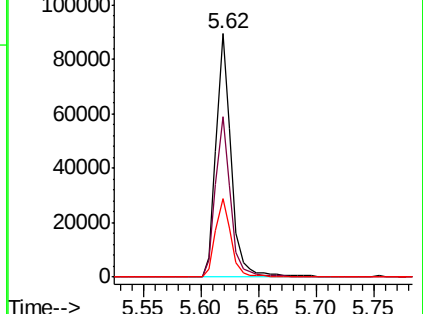
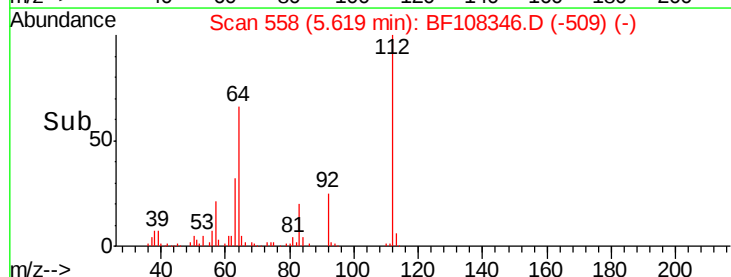
#5

2-Fluorophenol
Concen: 8.374 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Tgt Ion:112 Resp: 81258
Ion Ratio Lower Upper
112 100
64 65.8 47.9 71.9
63 32.4 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: 8.658 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Instrument :

BNA_F

ClientSampleId :

72-11975DL

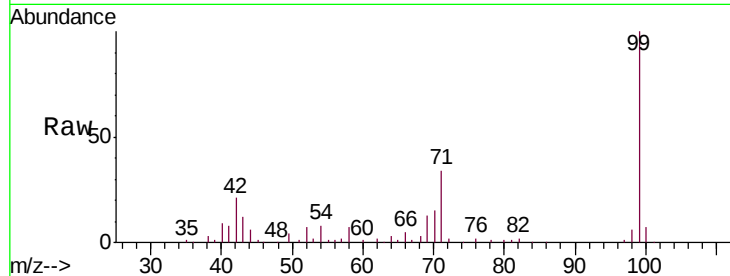
Tgt Ion: 99 Resp: 111651

Ion Ratio Lower Upper

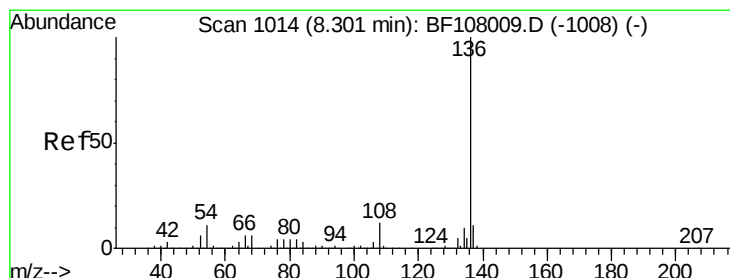
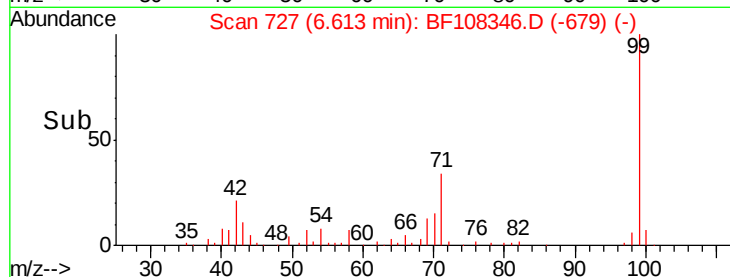
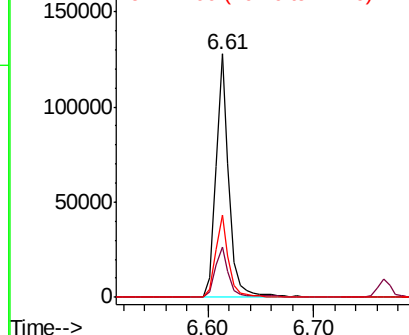
99 100

42 20.9 14.5 21.7

71 33.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Tgt Ion: 136 Resp: 702713

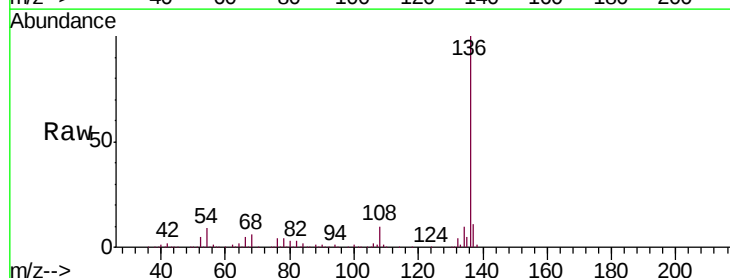
Ion Ratio Lower Upper

136 100

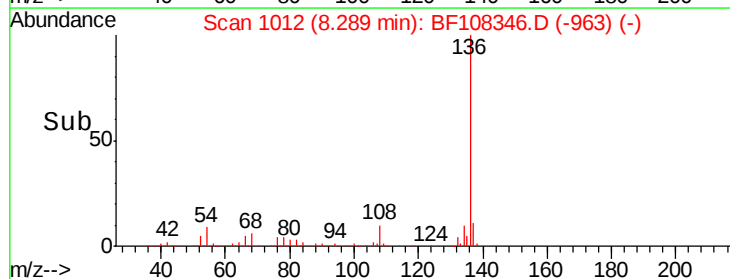
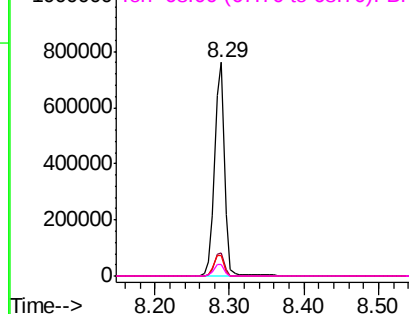
137 10.6 8.9 13.3

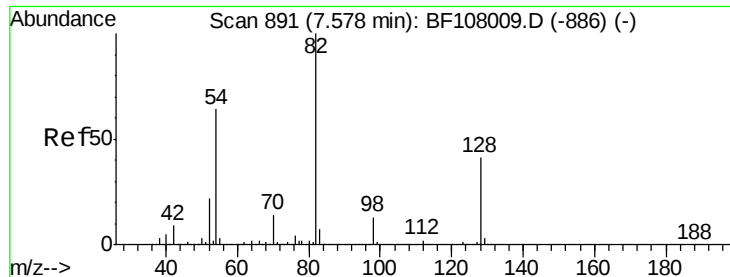
54 9.3 6.6 9.8

68 5.7 5.0 7.4



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

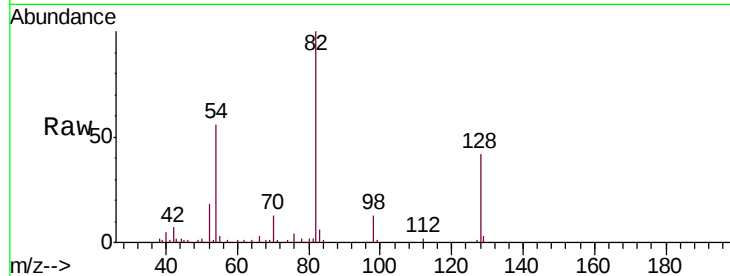




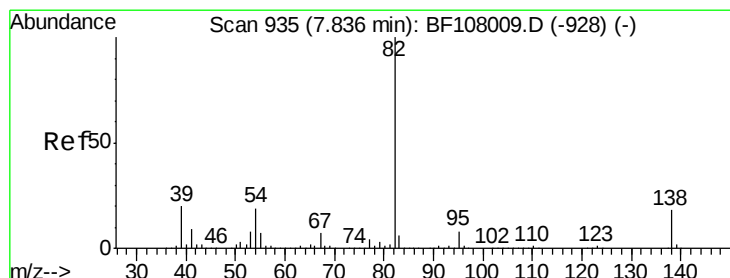
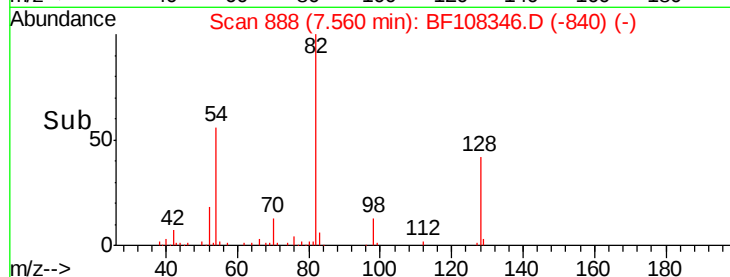
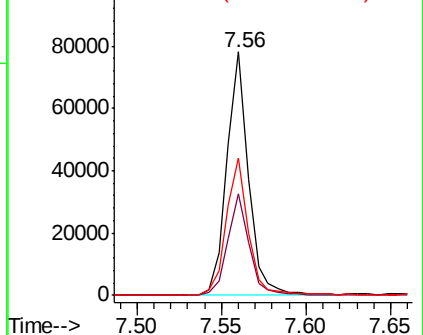
#23
Nitrobenzene-d5
Concen: 5.561 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Instrument :
BNA_F
ClientSampleId :
72-11975DL

Tgt Ion: 82 Resp: 70029
Ion Ratio Lower Upper
82 100
128 41.9 36.1 54.1
54 56.3 41.4 62.2

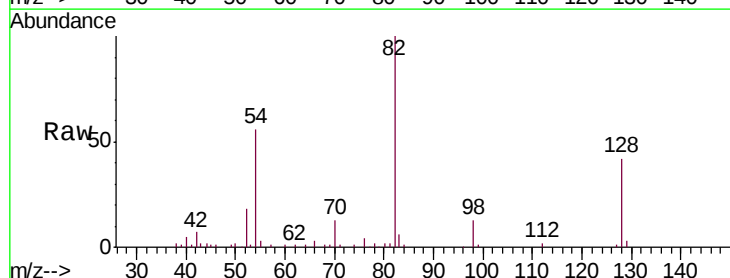


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

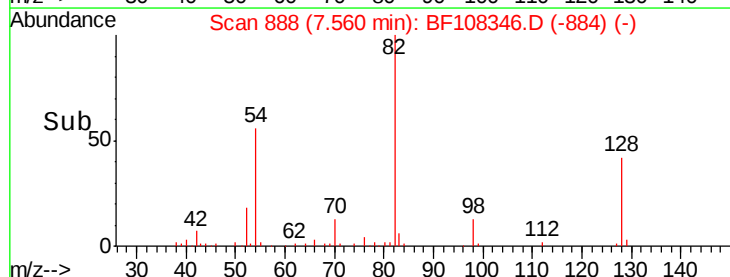
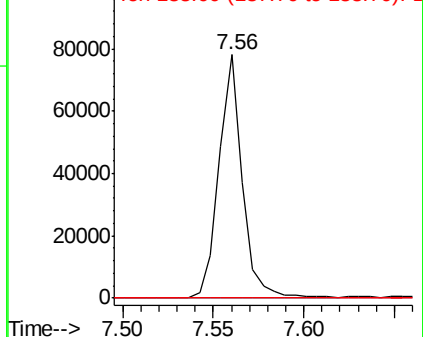


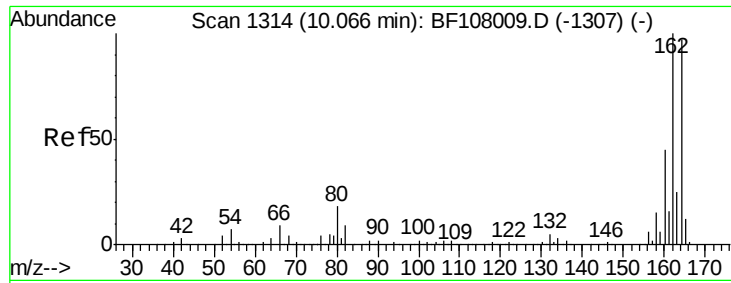
#25
Isophorone
Concen: 2.917 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.28 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Tgt Ion: 82 Resp: 70028
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

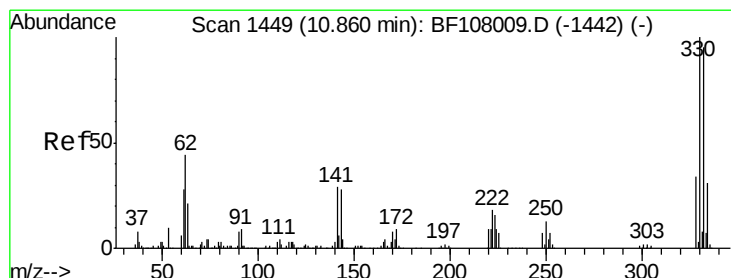
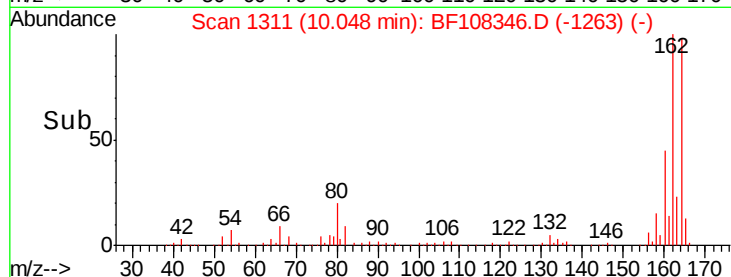
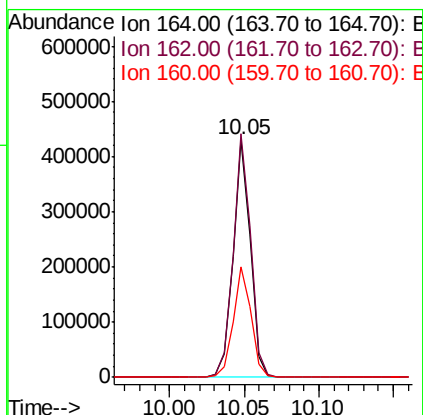
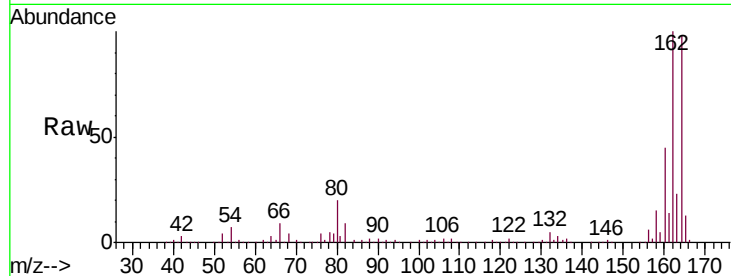




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF108346.D
 Acq: 21 Aug 2018 19:20

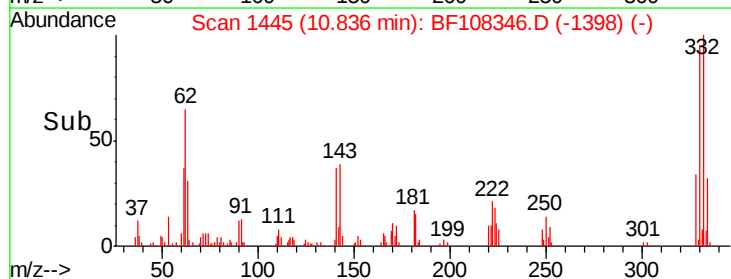
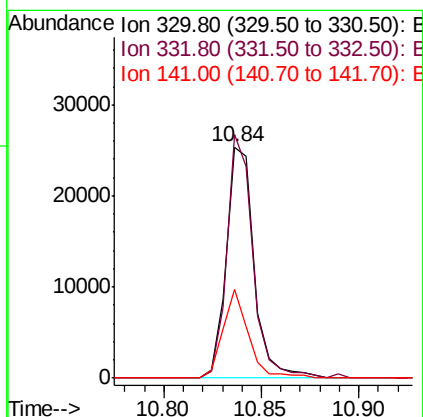
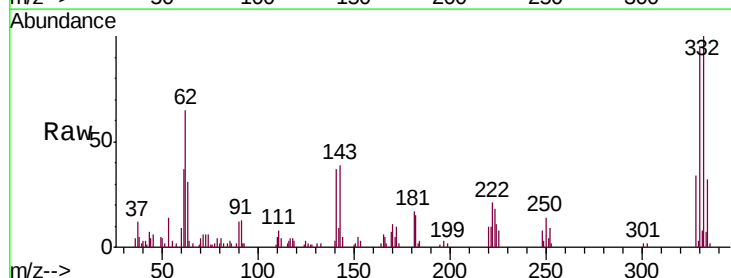
Instrument :
 BNA_F
 ClientSampleId :
 72-11975DL

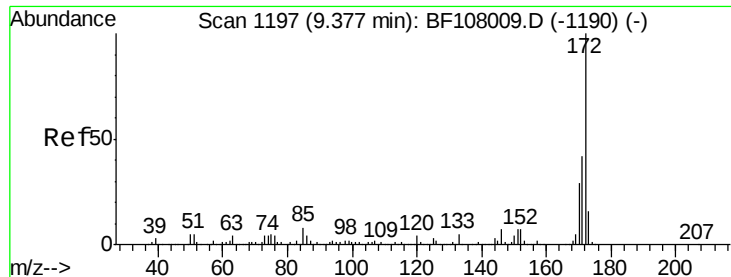
Tgt Ion:164 Resp: 354139
 Ion Ratio Lower Upper
 164 100
 162 102.5 86.1 129.1
 160 46.4 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 7.121 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF108346.D
 Acq: 21 Aug 2018 19:20

Tgt Ion:330 Resp: 25155
 Ion Ratio Lower Upper
 330 100
 332 98.8 77.0 115.6
 141 35.0 29.9 44.9

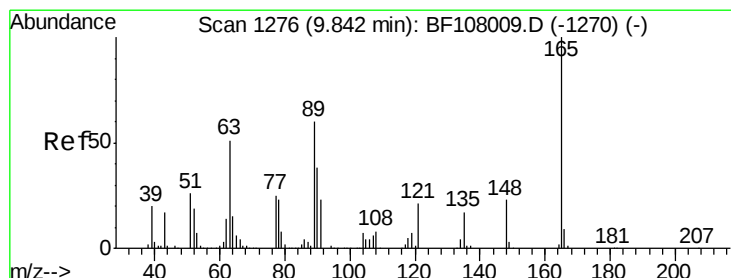
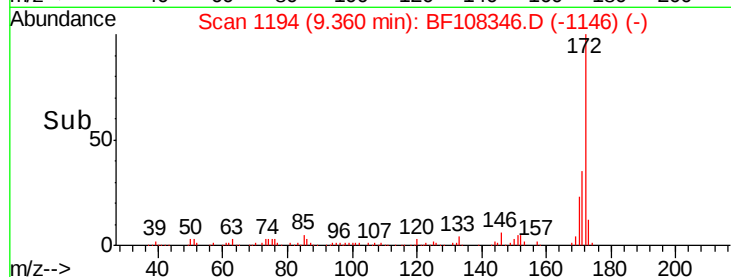
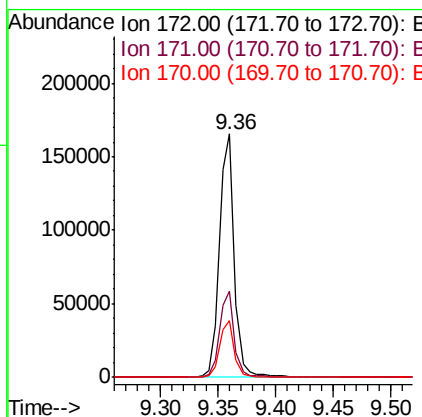
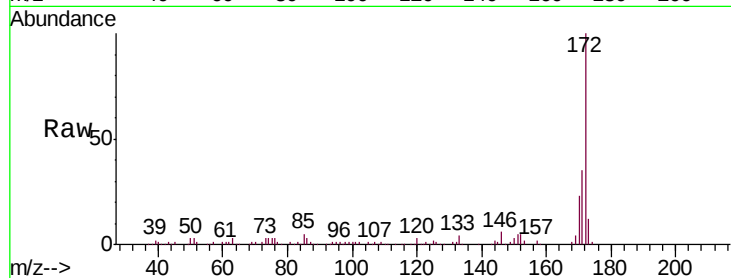




#44
 2-Fluorobiphenyl
 Concen: 6.716 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108346.D
 Acq: 21 Aug 2018 19:20

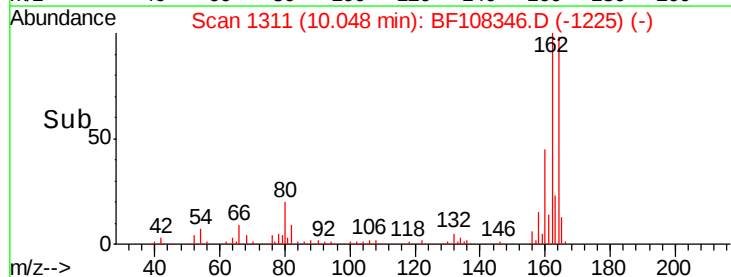
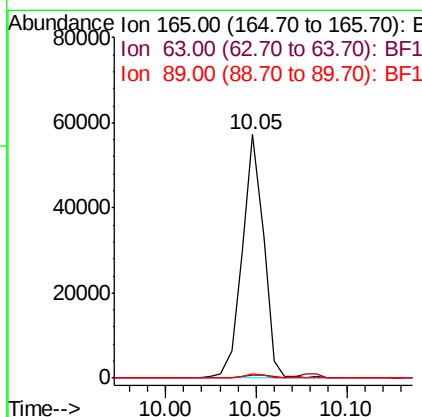
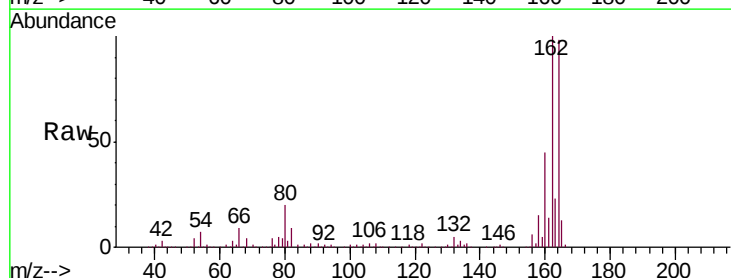
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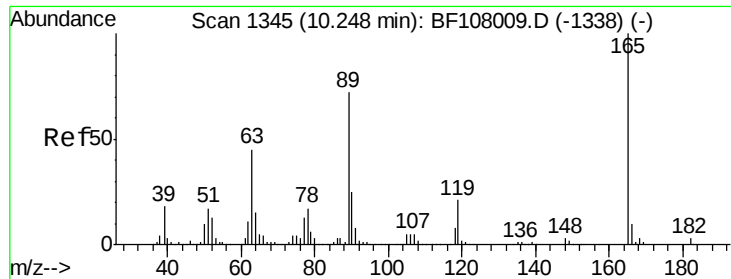
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.1	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 9.083 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. 0.21 min
 Lab File: BF108346.D
 Acq: 21 Aug 2018 19:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.9	44.0	66.0#

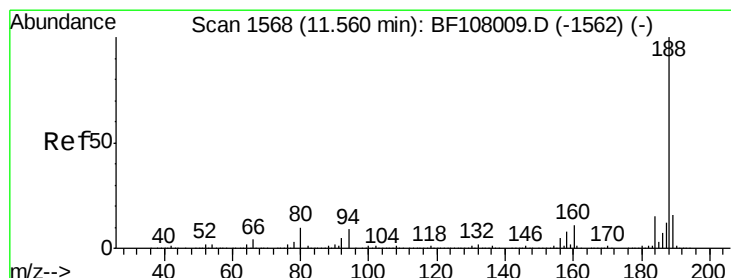
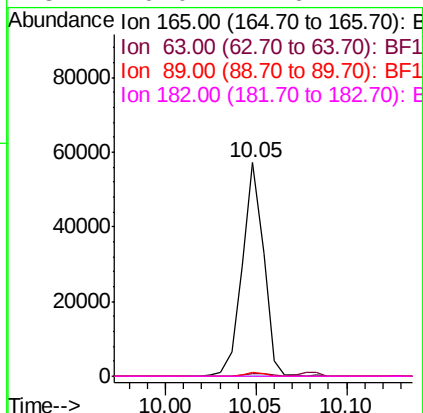
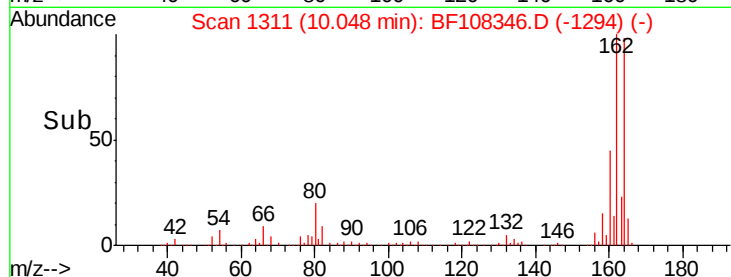
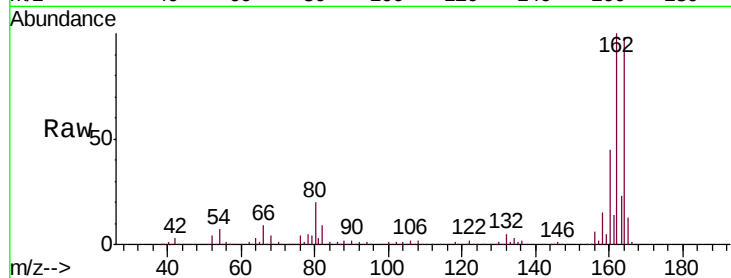




#56
 2,4-Dinitrotoluene
 Concen: 7.056 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108346.D
 Acq: 21 Aug 2018 19:20

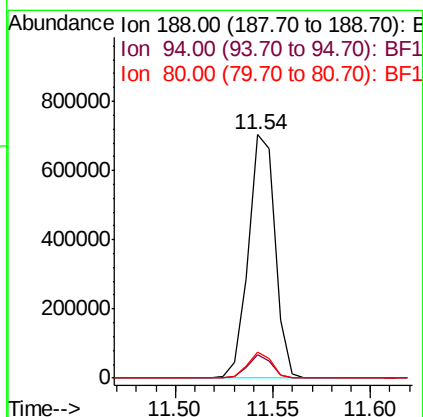
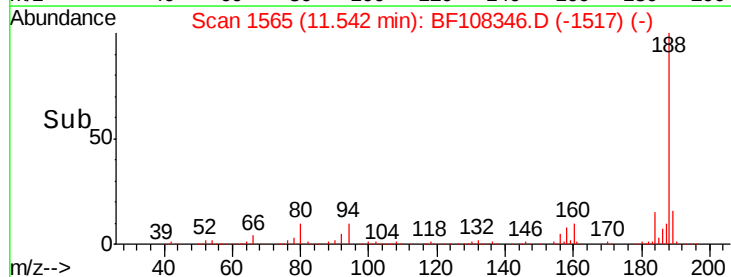
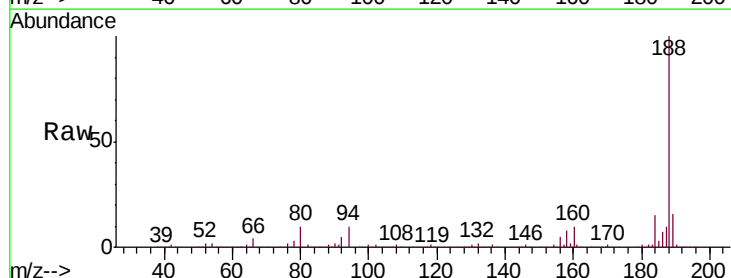
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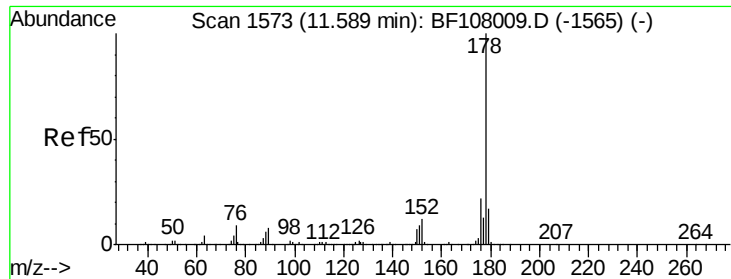
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: BF108346.D
 Acq: 21 Aug 2018 19:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.5	9.2	13.8

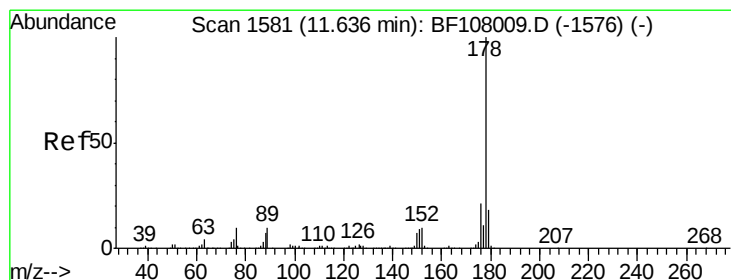
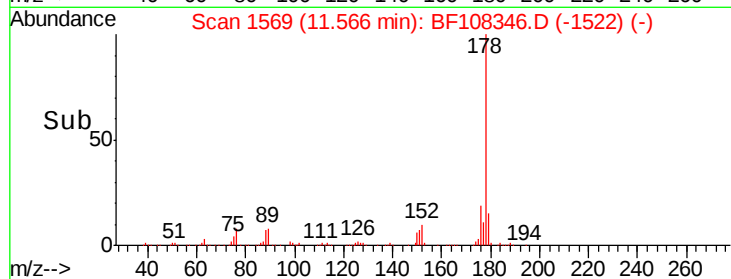
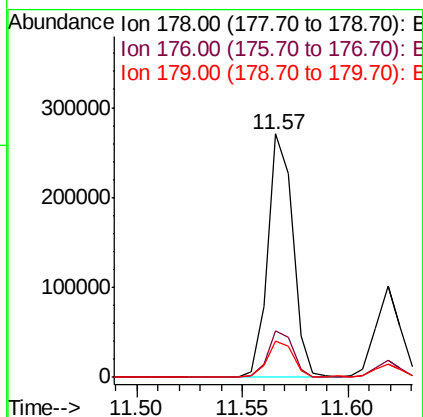
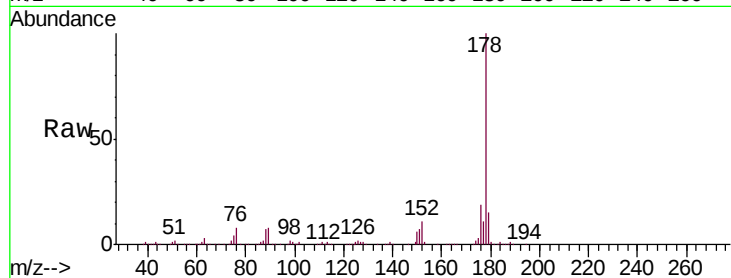




#70
Phenanthrene
Concen: 7.143 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

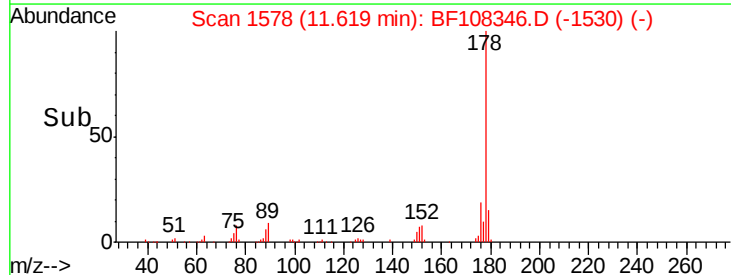
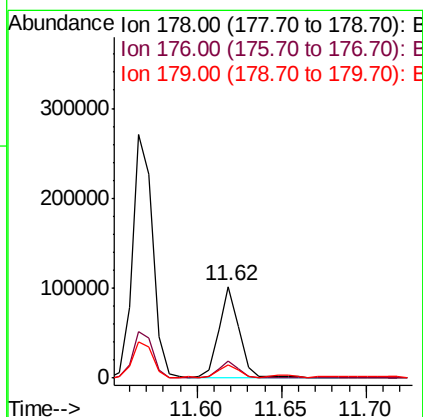
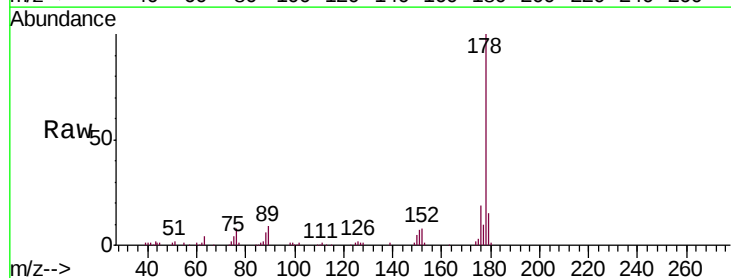
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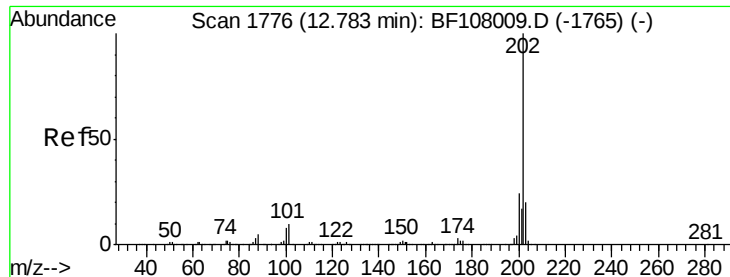
Tgt Ion:178 Resp: 224964
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 14.7 13.0 19.6



#71
Anthracene
Concen: 2.653 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Tgt Ion:178 Resp: 85656
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 14.8 12.6 19.0





#74

Fluoranthene

Concen: 16.596 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Instrument :

BNA_F

ClientSampleId :

72-11975DL

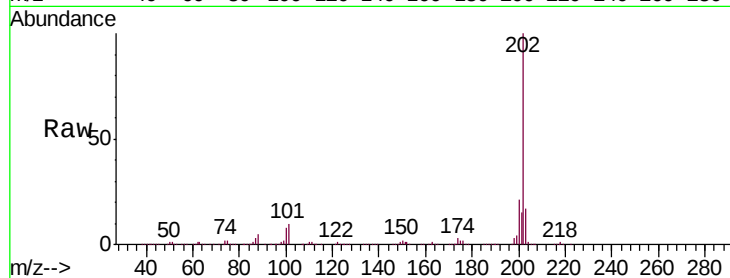
Tgt Ion:202 Resp: 570481

Ion Ratio Lower Upper

202 100

101 10.0 0.0 34.1

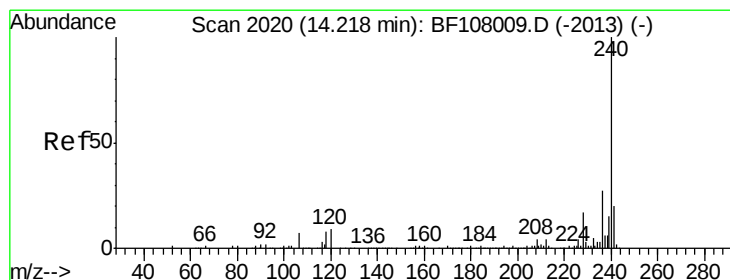
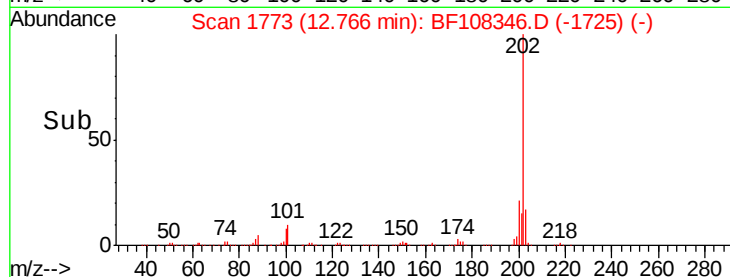
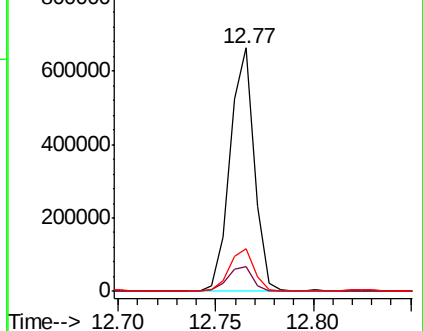
203 17.3 0.0 38.1



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: 14.19 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

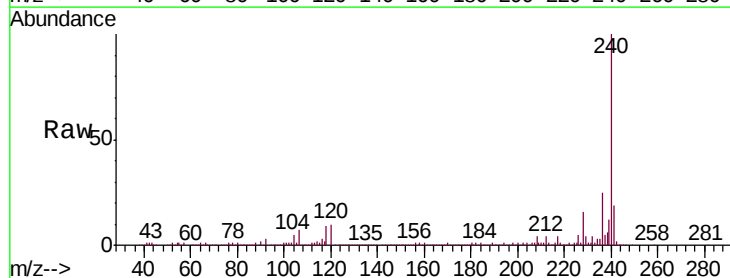
Tgt Ion:240 Resp: 396399

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

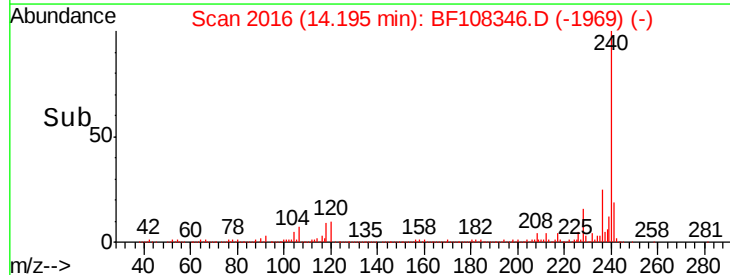
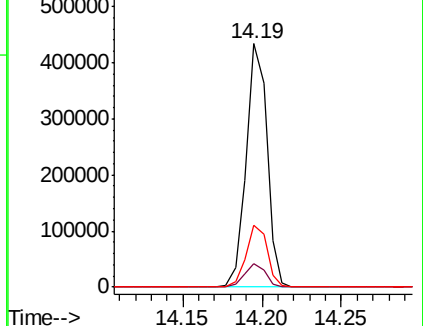
236 25.4 20.7 31.1

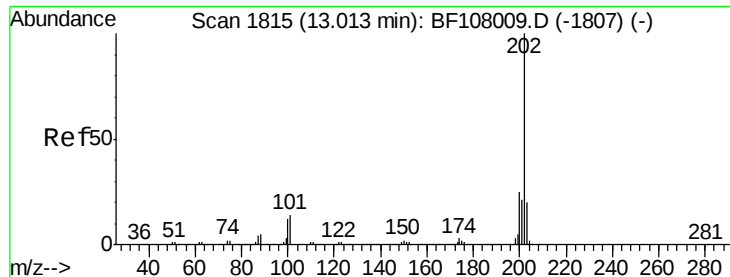


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

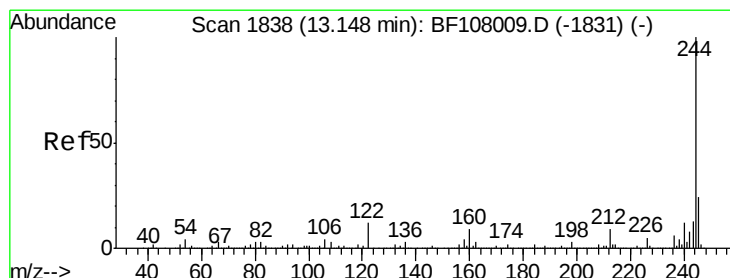
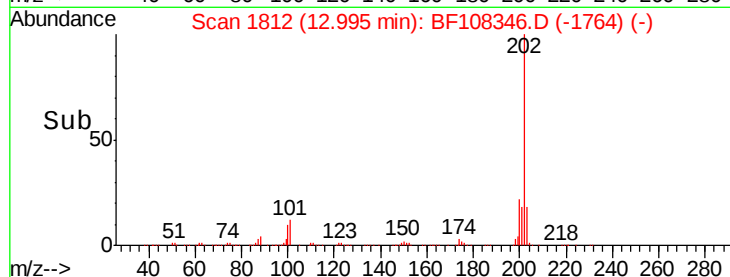
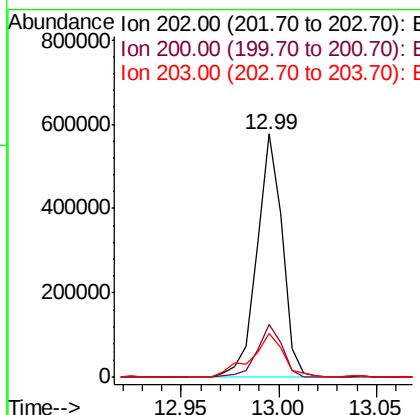
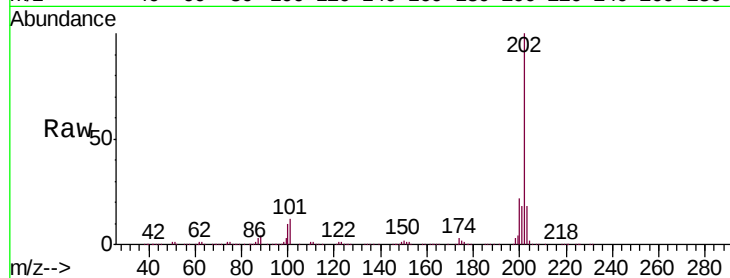




#77
 Pyrene
 Concen: 20.698 ng
 RT: 12.99 min Scan# 1812
 Delta R.T. -0.02 min
 Lab File: BF108346.D
 Acq: 21 Aug 2018 19:20

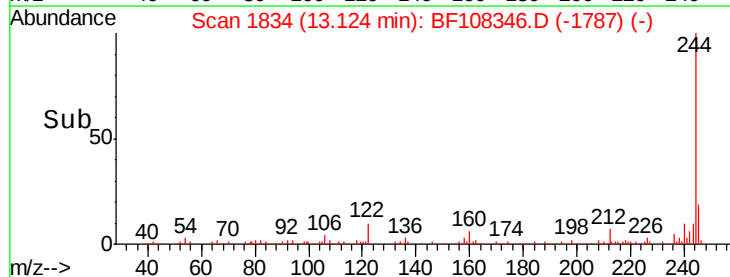
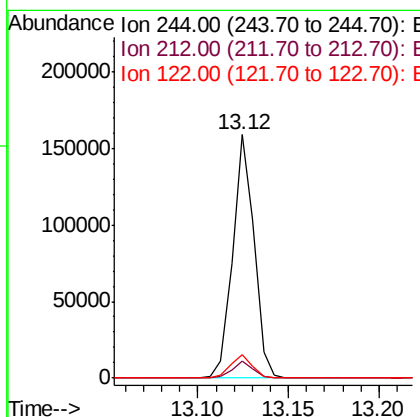
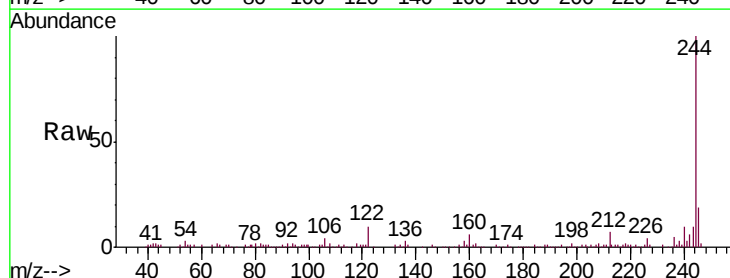
Instrument :
 BNA_F
 ClientSampleId :
 72-11975DL

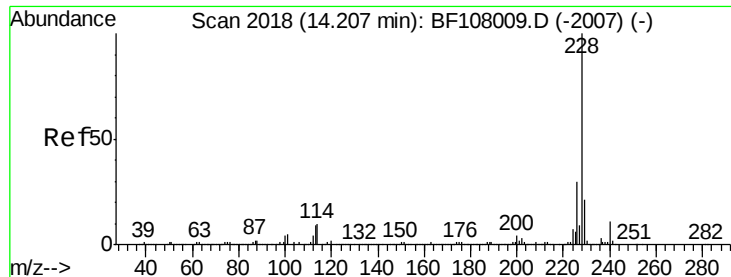
Tgt Ion:	202	Resp:	519443
Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.8	14.3	21.5



#78
 Terphenyl-d14
 Concen: 8.374 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.02 min
 Lab File: BF108346.D
 Acq: 21 Aug 2018 19:20

Tgt Ion:	244	Resp:	130557
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	9.6	11.0	16.4#





#80

Benzo(a)anthracene

Concen: 10.161 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.02 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Instrument :

BNA_F

ClientSampleId :

72-11975DL

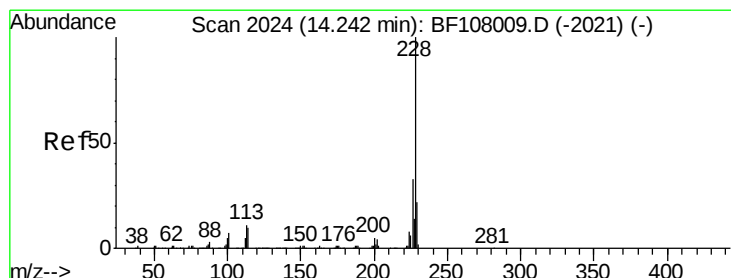
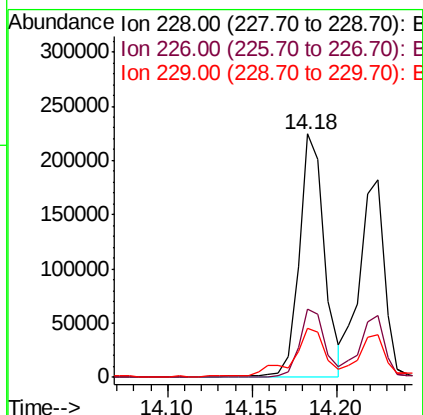
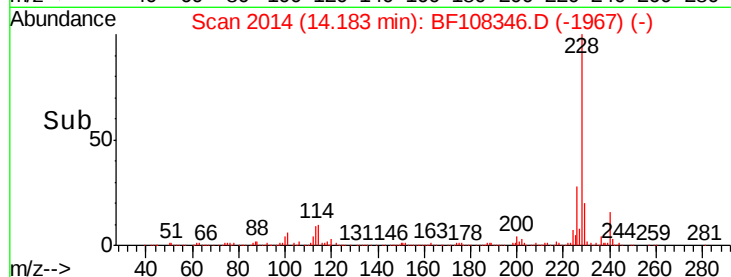
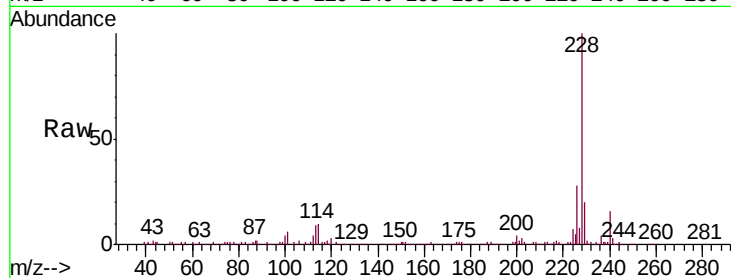
Tgt Ion:228 Resp: 231152

Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

229 20.2 15.8 23.6



#82

Chrysene

Concen: 9.029 ng

RT: 14.22 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

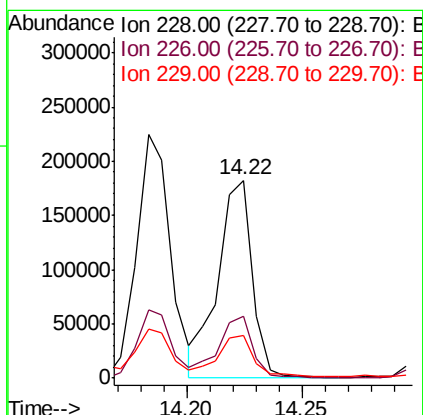
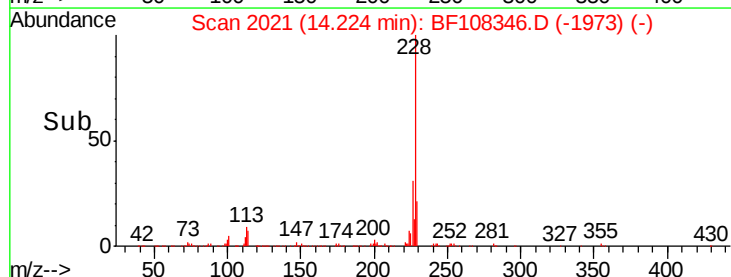
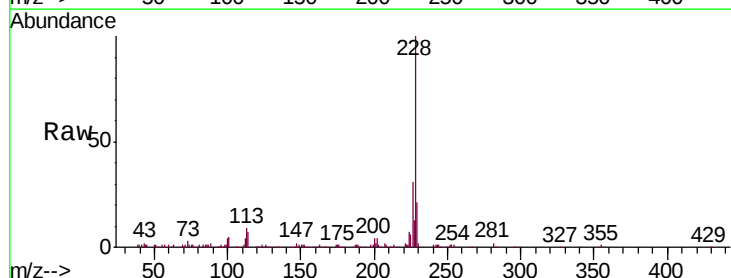
Tgt Ion:228 Resp: 188322

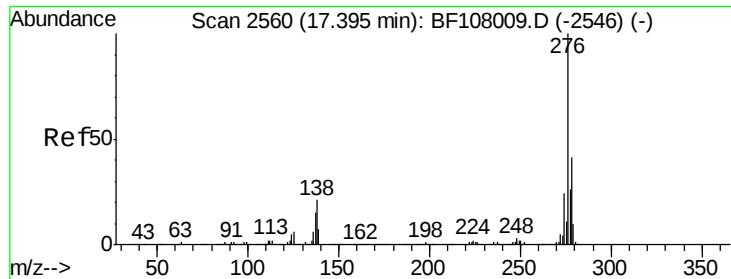
Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

229 21.3 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.974 ng

RT: 17.35 min Scan# 2553

Delta R.T. -0.04 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Instrument :

BNA_F

ClientSampleId :

72-11975DL

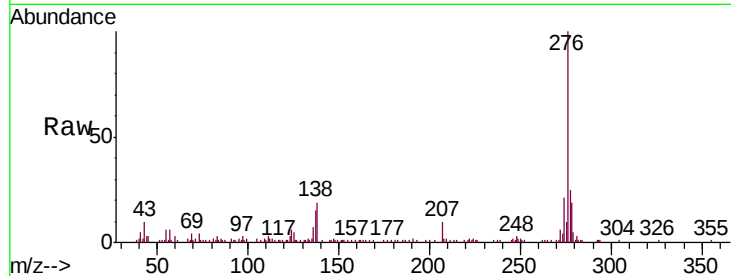
Tgt Ion:276 Resp: 107955

Ion Ratio Lower Upper

276 100

138 20.9 25.0 37.6#

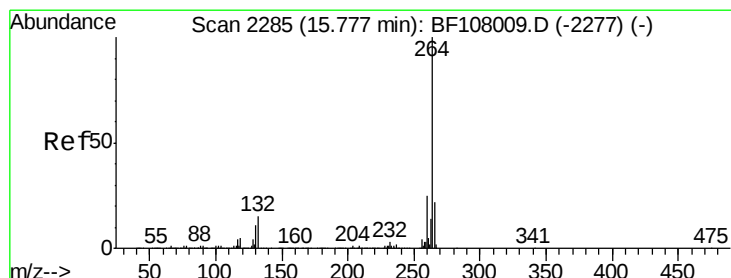
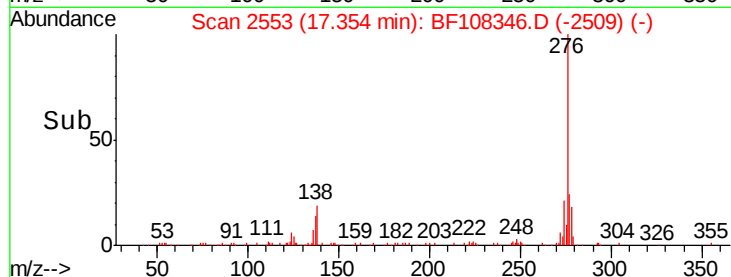
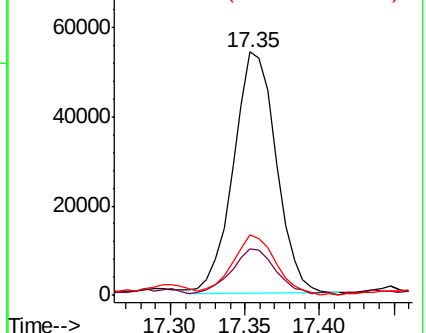
277 25.6 20.1 30.1



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. -0.02 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

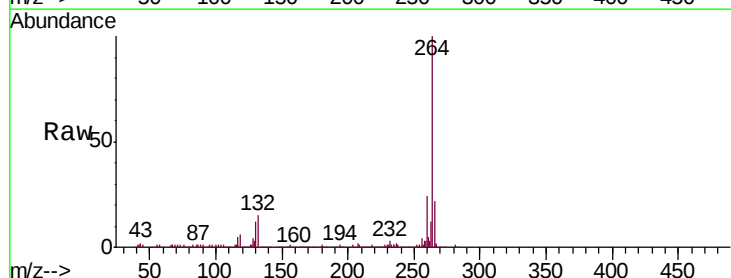
Tgt Ion:264 Resp: 393686

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

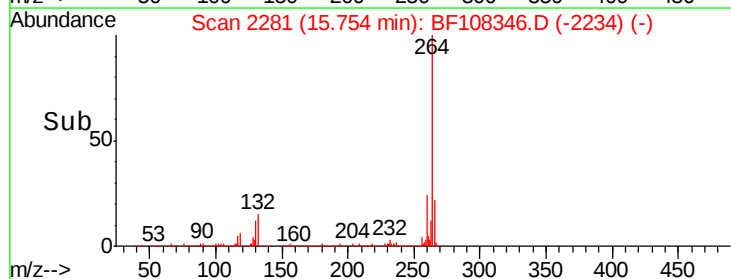
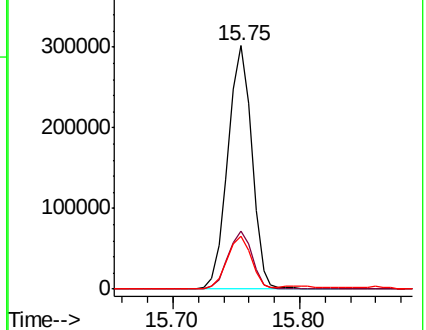
265 21.7 17.5 26.3

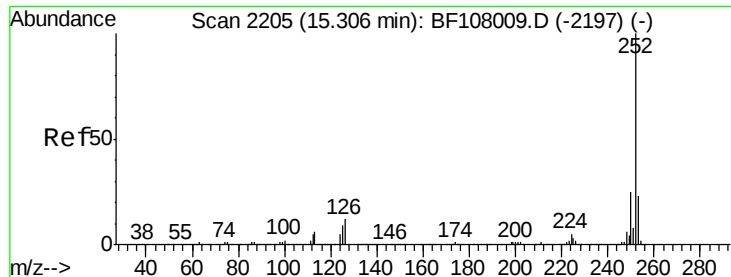


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

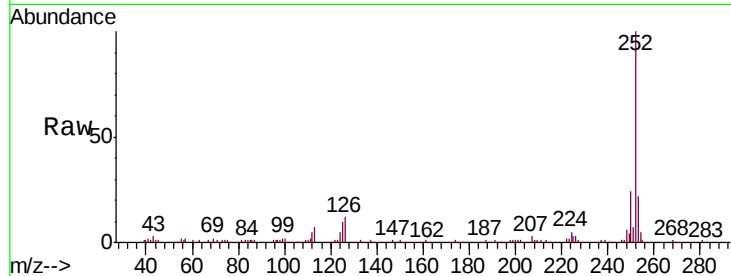




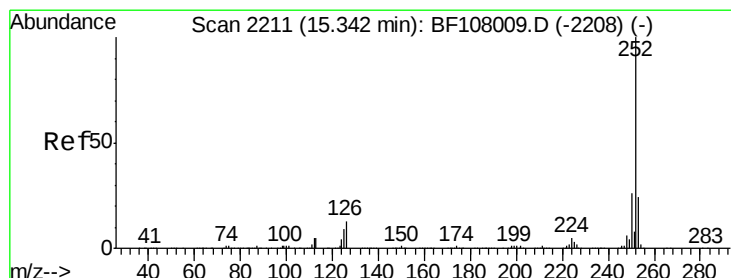
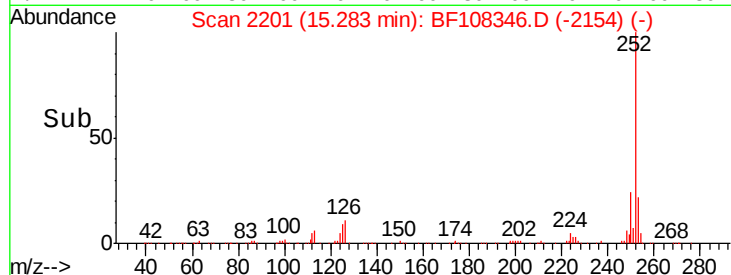
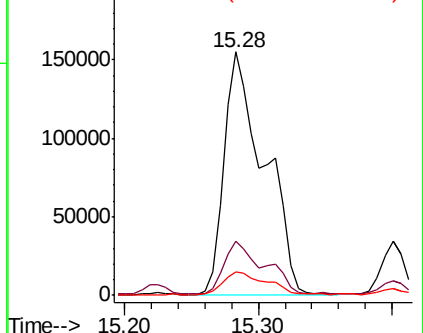
#87
Benzo(b)fluoranthene
Concen: 13.803 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Instrument :
BNA_F
ClientSampleId :
72-11975DL

Tgt Ion:252 Resp: 324718
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 9.8 9.0 13.6

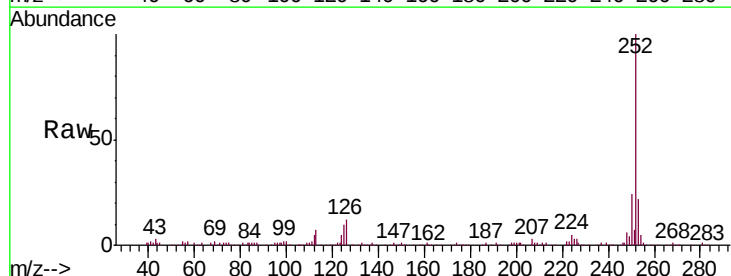


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

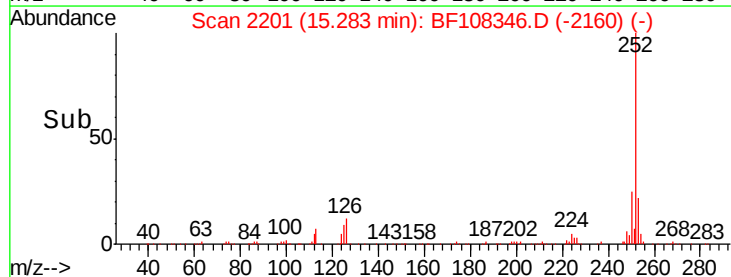
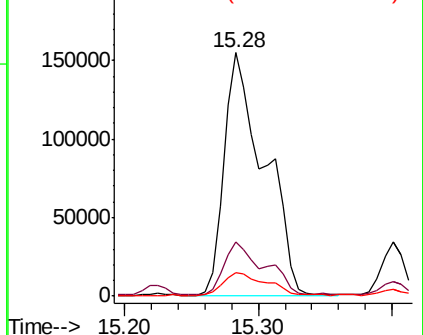


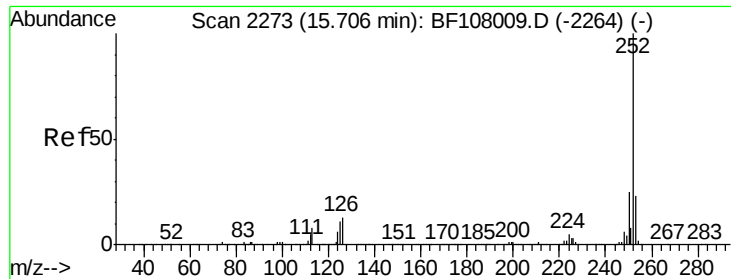
#88
Benzo(k)fluoranthene
Concen: 15.016 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.06 min
Lab File: BF108346.D
Acq: 21 Aug 2018 19:20

Tgt Ion:252 Resp: 324718
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 9.8 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: 8.921 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.02 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

Instrument :

BNA_F

ClientSampleId :

72-11975DL

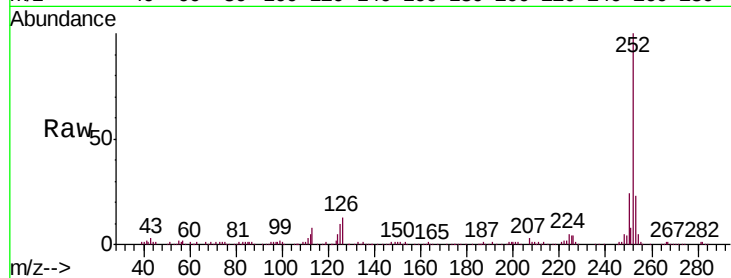
Tgt Ion:252 Resp: 187917

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

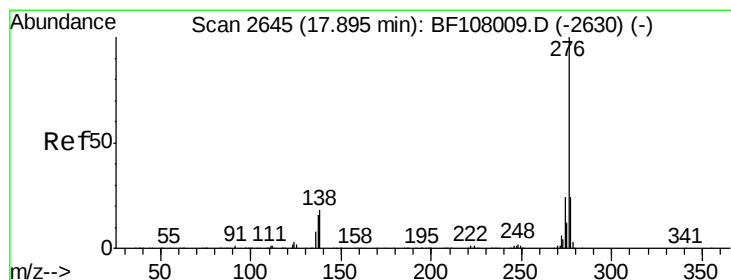
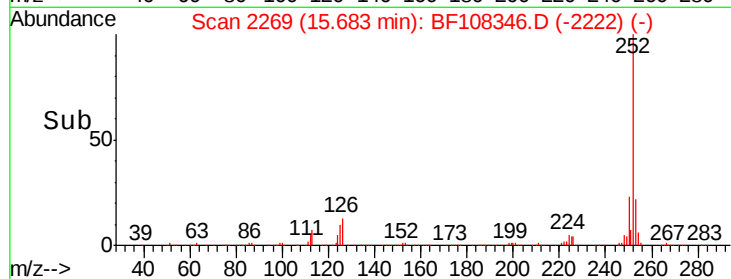
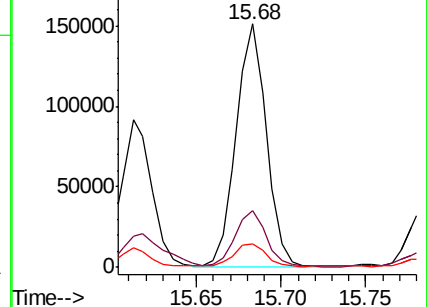
125 9.9 9.8 14.6



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: 5.544 ng

RT: 17.85 min Scan# 2637

Delta R.T. -0.05 min

Lab File: BF108346.D

Acq: 21 Aug 2018 19:20

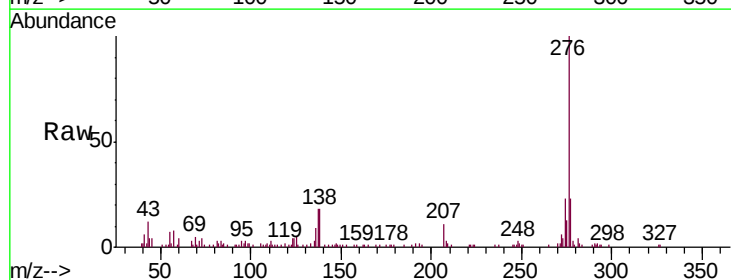
Tgt Ion:276 Resp: 95145

Ion Ratio Lower Upper

276 100

277 23.2 17.9 26.9

138 18.4 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

