

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092418\
 Data File : BF109276.D
 Acq On : 24 Sep 2018 19:03
 Operator : JU/SJ
 Sample : J4770-15 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-092118-H

Quant Time: Sep 25 04:43:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	96182	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	342438	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	153111	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	316331	20.00	ng	0.00
75) Chrysene-d12	13.84	240	256871	20.00	ng	0.00
86) Perylene-d12	15.25	264	174897	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	194033	33.23	ng	0.00
7) Phenol-d6	6.34	99	235680	31.63	ng	-0.02
23) Nitrobenzene-d5	7.26	82	132190	22.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	56204	37.24	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	237966	23.44	ng	-0.01
78) Terphenyl-d14	12.80	244	273274	26.11	ng	0.00

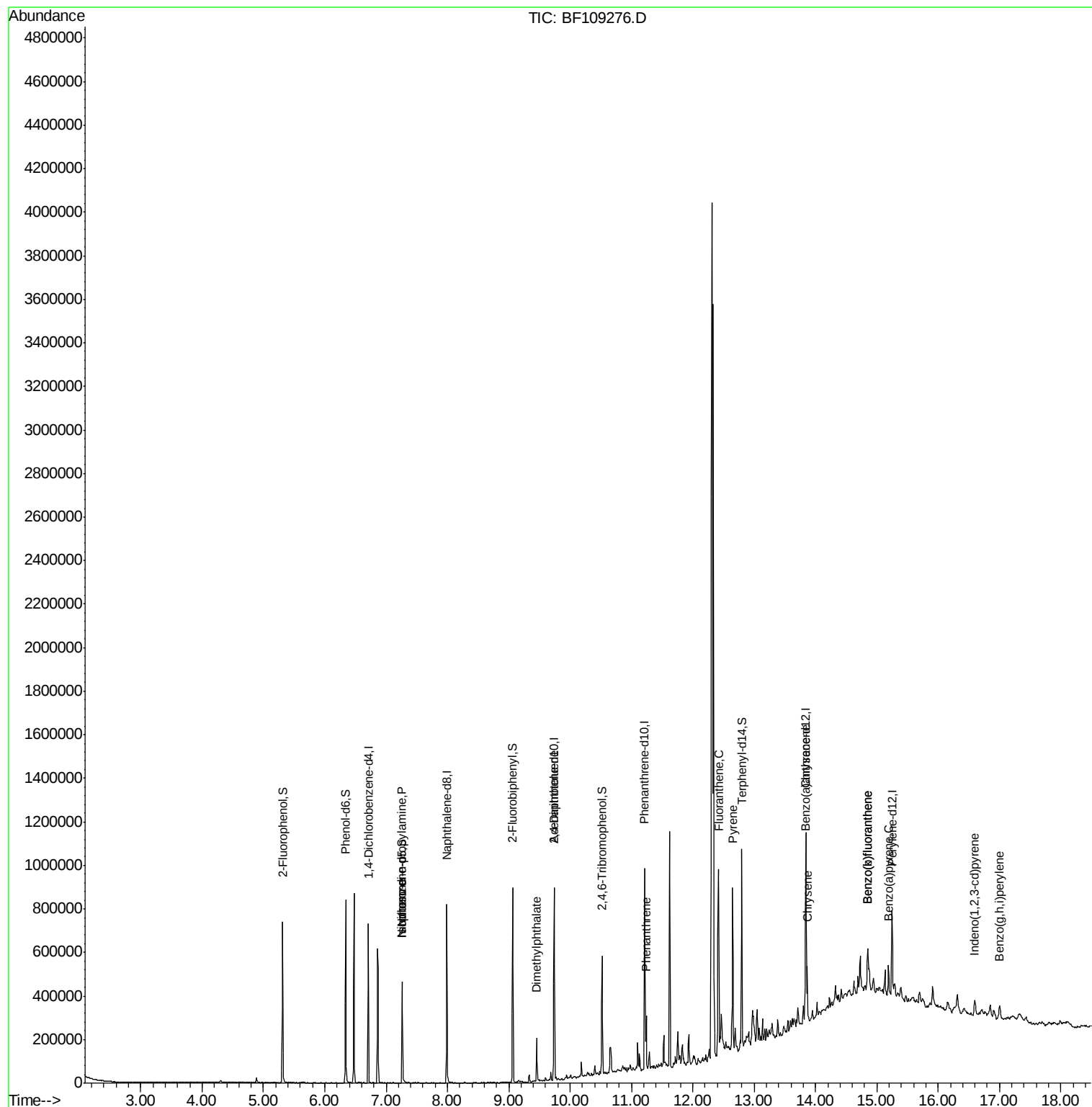
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	17877	3.661	ng	# 81
25) Isophorone	7.26	82	109749	10.506	ng	# 64
49) Dimethylphthalate	9.46	163	66785	5.997	ng	# 98
56) 2,4-Dinitrotoluene	9.74	165	19766	7.083	ng	# 23
70) Phenanthrene	11.24	178	74894	4.742	ng	98
74) Fluoranthene	12.43	202	248963	14.750	ng	93
77) Pyrene	12.65	202	260171	14.132	ng	99
80) Benzo(a)anthracene	13.83	228	114979	7.431	ng	99
82) Chrysene	13.87	228	94611	6.170	ng	96
85) Indeno(1,2,3-cd)pyrene	16.60	276	44529	3.582	ng	# 89
87) Benzo(b)fluoranthene	14.85	252	125166	13.024	ng	# 90
88) Benzo(k)fluoranthene	14.85	252	125166	13.725	ng	93
89) Benzo(a)pyrene	15.19	252	68660	7.929	ng	96
91) Benzo(g,h,i)perylene	17.00	276	42736	6.121	ng	92

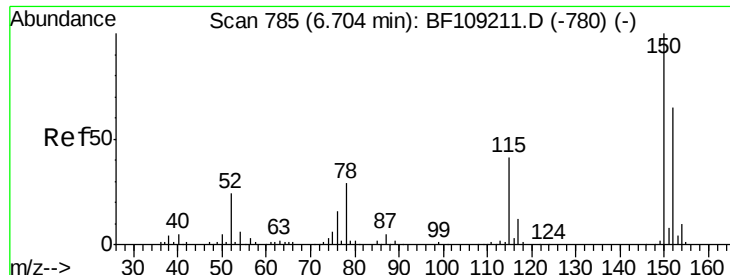
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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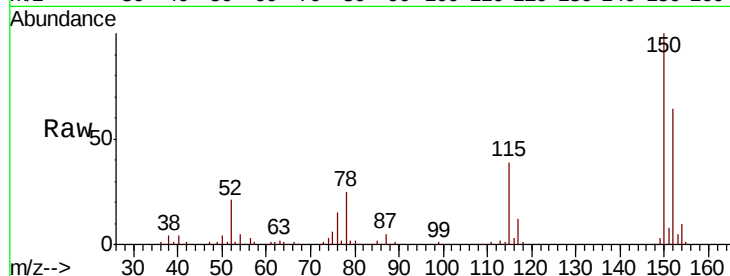




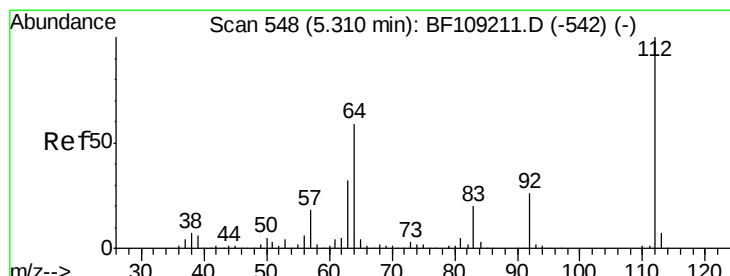
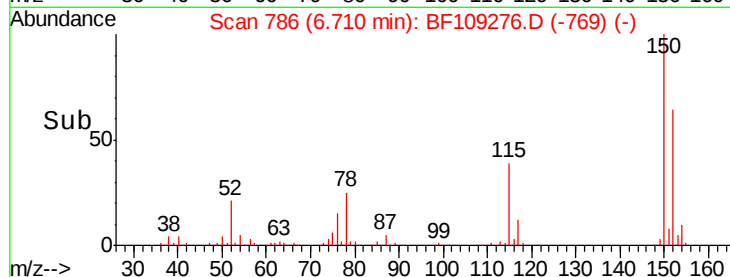
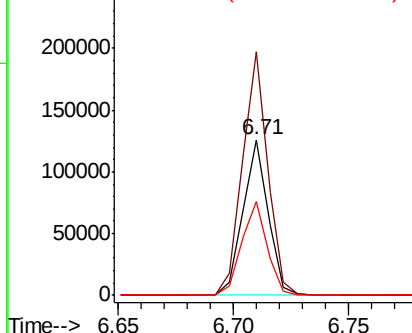
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF109276.D
 Acq: 24 Sep 2018 19:03

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-092118-H

Tgt Ion:152 Resp: 96182
 Ion Ratio Lower Upper
 152 100
 150 156.4 124.6 186.8
 115 60.7 50.1 75.1

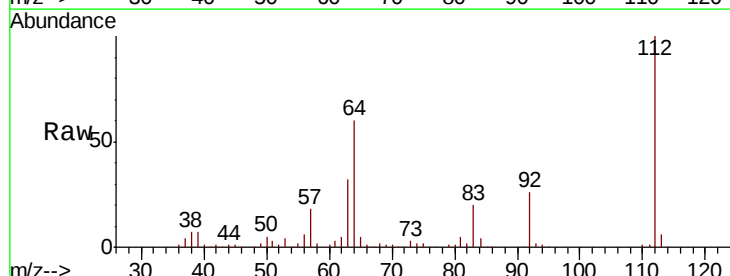


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

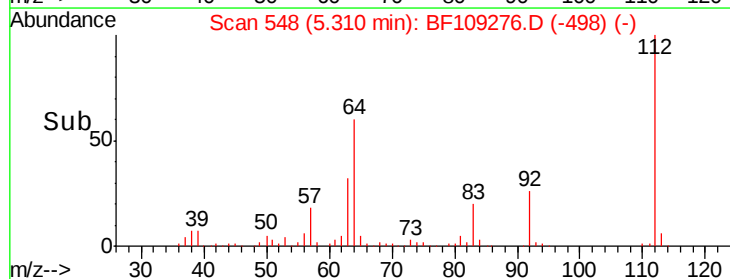
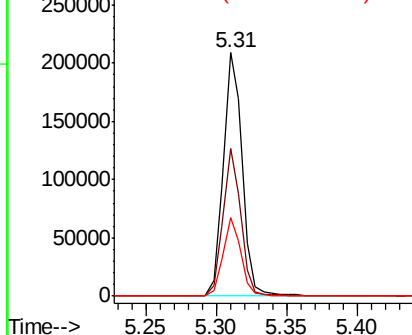


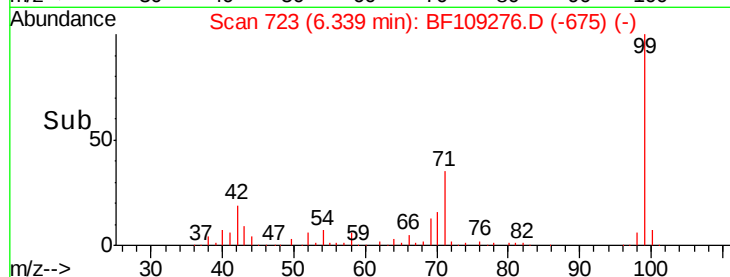
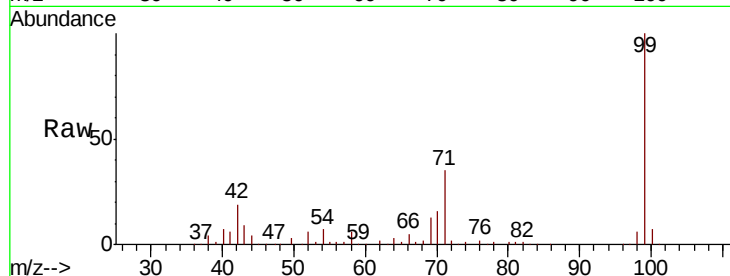
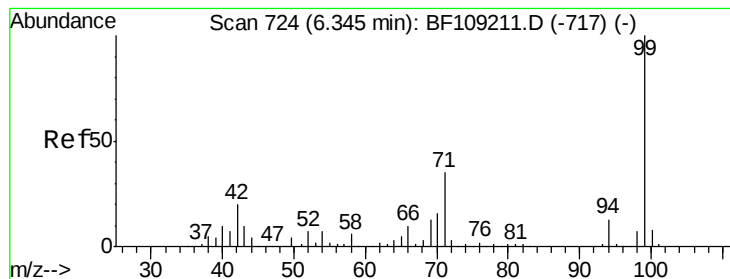
#5
 2-Fluorophenol
 Concen: 33.227 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF109276.D
 Acq: 24 Sep 2018 19:03

Tgt Ion:112 Resp: 194033
 Ion Ratio Lower Upper
 112 100
 64 60.4 47.9 71.9
 63 32.1 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: 31.629 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

Instrument :

BNA_F

ClientSampleId :

JC-02-092118-H

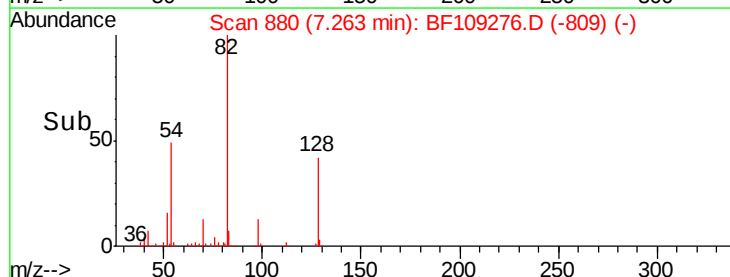
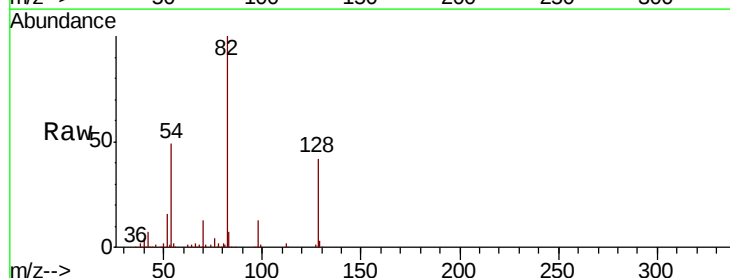
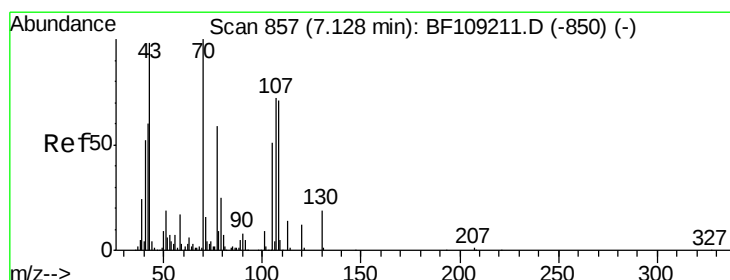
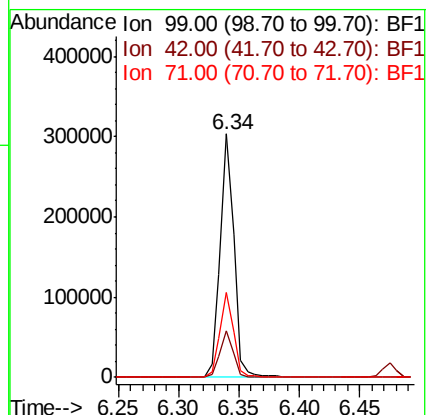
Tgt Ion: 99 Resp: 235680

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

71 35.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.661 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

Tgt Ion: 70 Resp: 17877

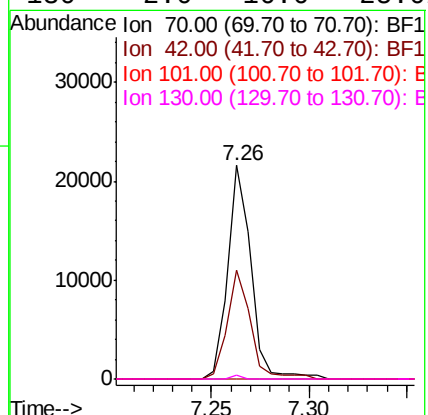
Ion Ratio Lower Upper

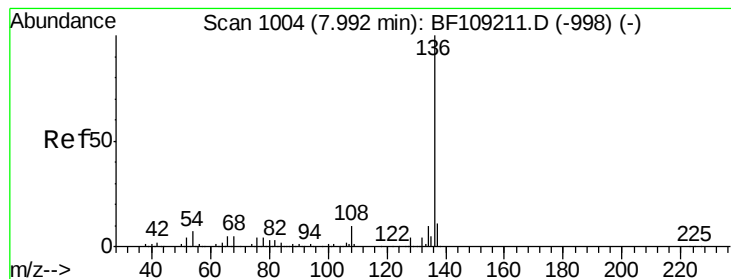
70 100

42 51.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

Instrument :

BNA_F

ClientSampleId :

JC-02-092118-H

Tgt Ion: 136 Resp: 342438

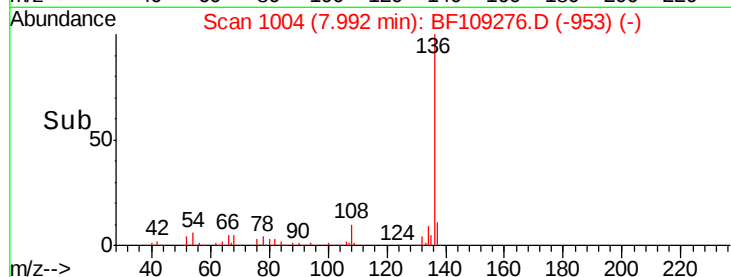
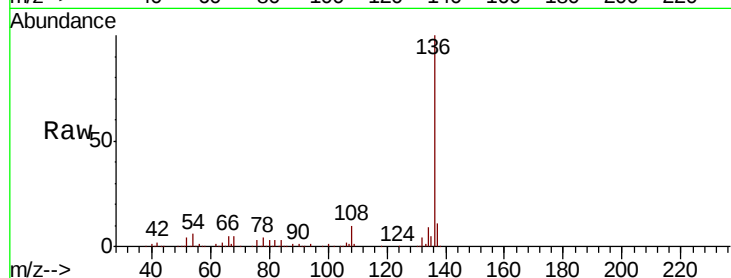
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.4 6.6 9.8#

68 5.2 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

600000

400000

300000

200000

100000

0

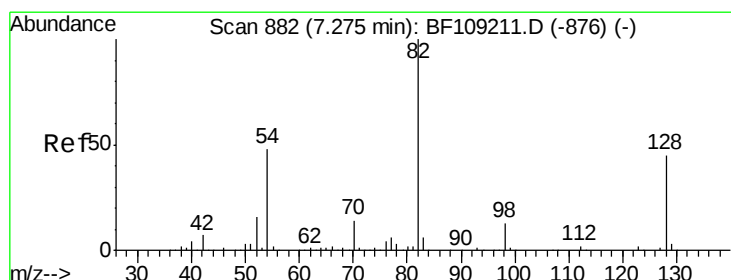
7.99

7.90

8.00

8.10

Time-->



#23

Nitrobenzene-d5

Concen: 22.788 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

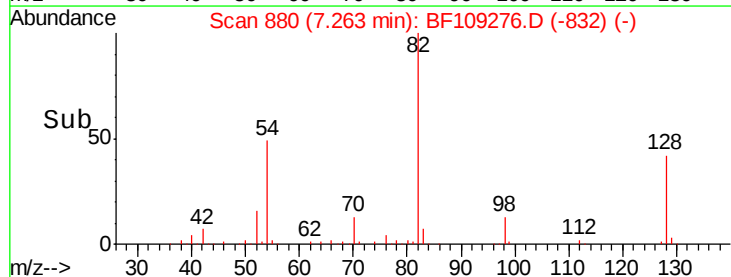
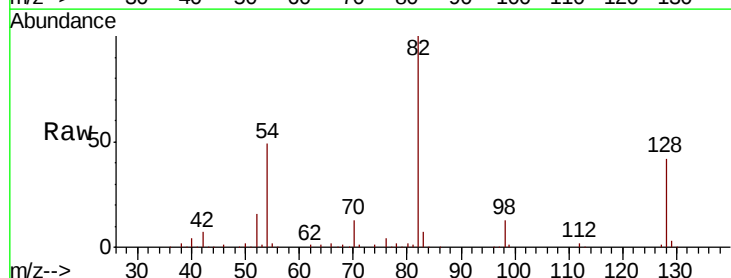
Tgt Ion: 82 Resp: 132190

Ion Ratio Lower Upper

82 100

128 42.4 36.1 54.1

54 49.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

200000

150000

100000

50000

0

7.26

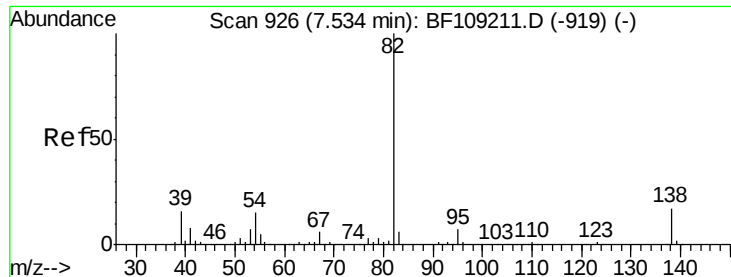
7.20

7.25

7.30

7.35

Time-->



#25

Isophorone

Concen: 10.506 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

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JC-02-092118-H

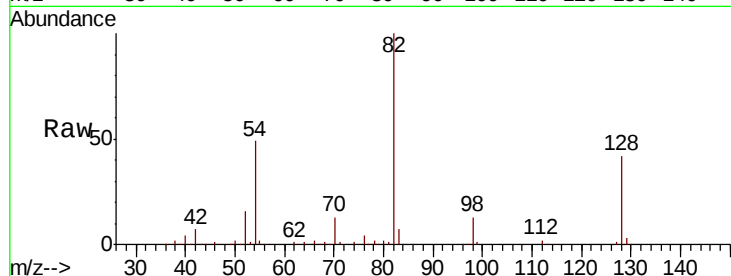
Tgt Ion: 82 Resp: 109749

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

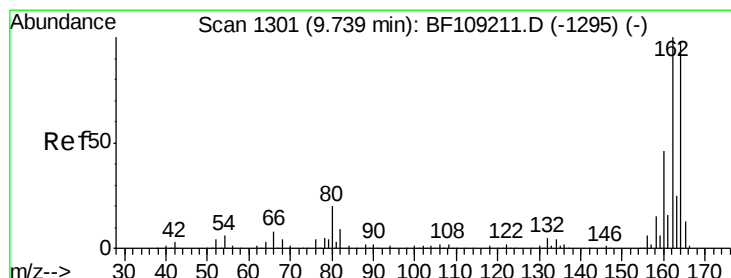
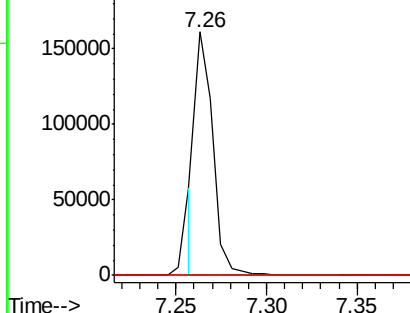
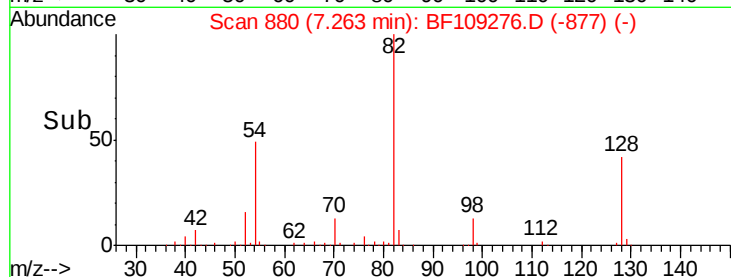
138 0.0 14.9 22.3#



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: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

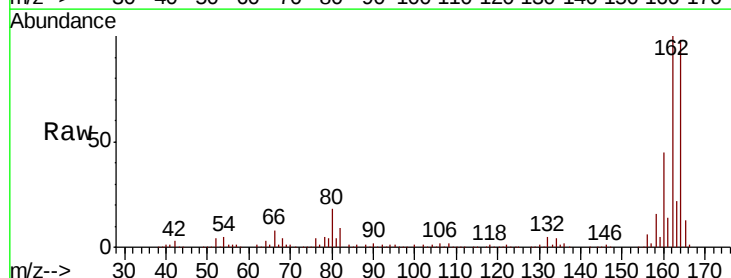
Tgt Ion: 164 Resp: 153111

Ion Ratio Lower Upper

164 100

162 102.2 86.1 129.1

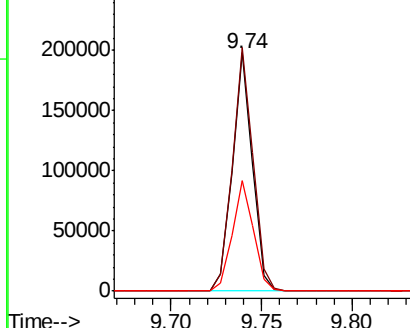
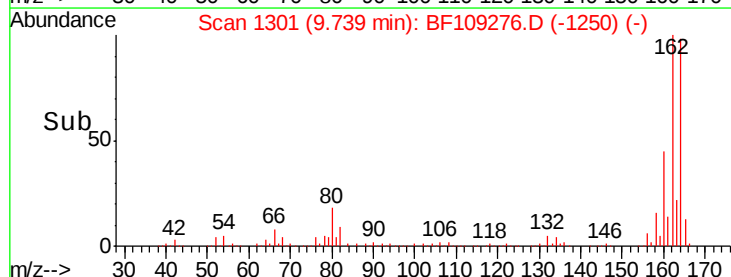
160 46.2 38.3 57.5

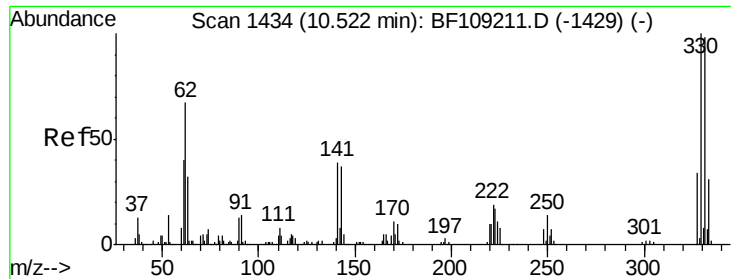


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

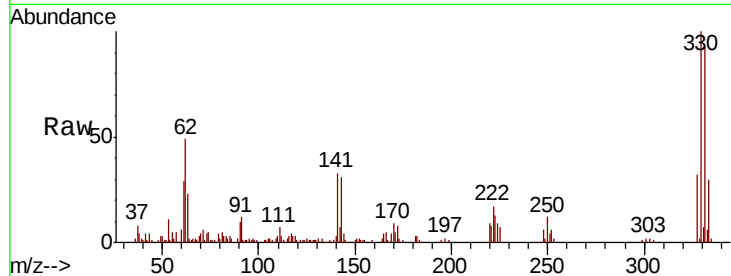




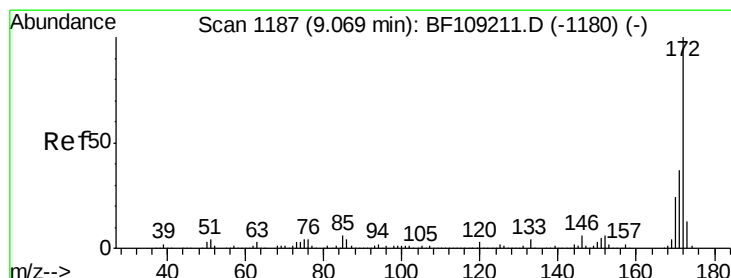
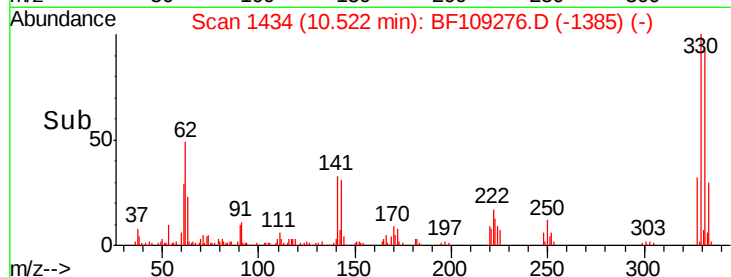
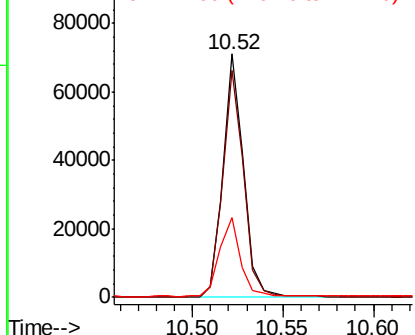
#41
 2,4,6-Tribromophenol
 Concen: 37.237 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109276.D
 Acq: 24 Sep 2018 19:03

Instrument :
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 JC-02-092118-H

Tgt Ion: 330 Resp: 56204
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 33.1 29.9 44.9

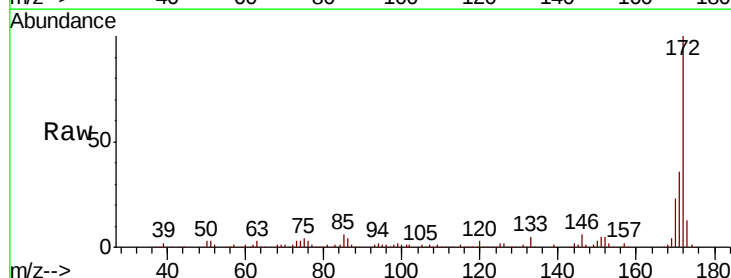


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

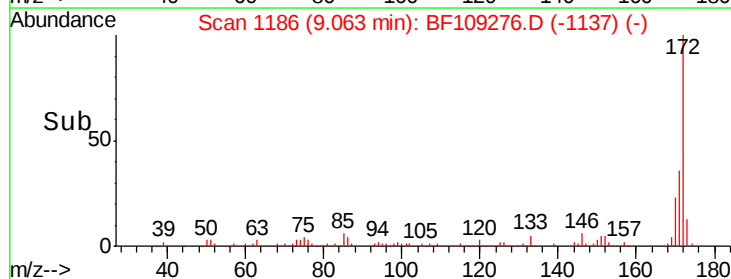
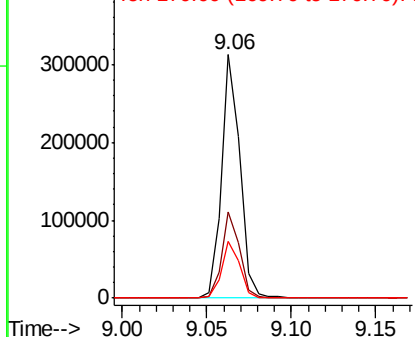


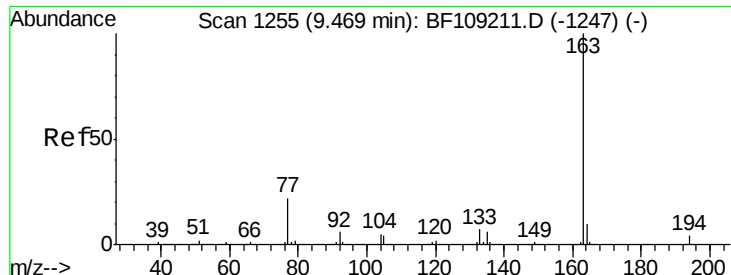
#44
 2-Fluorobiphenyl
 Concen: 23.440 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109276.D
 Acq: 24 Sep 2018 19:03

Tgt Ion: 172 Resp: 237966
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.3 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

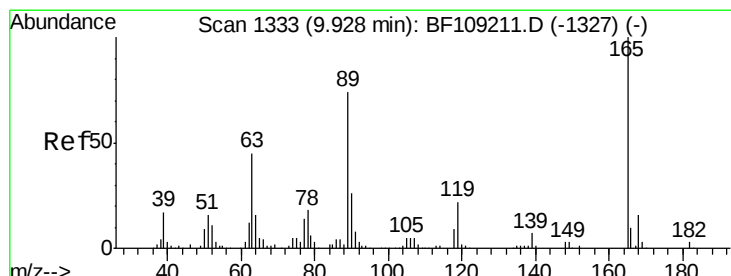
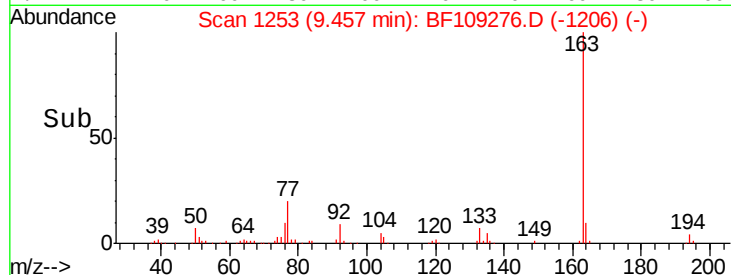
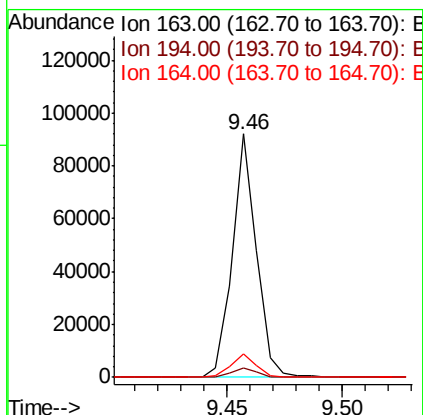
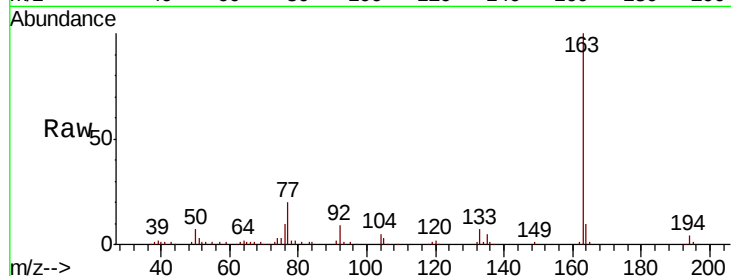




#49
Dimethylphthalate
Concen: 5.997 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109276.D
Acq: 24 Sep 2018 19:03

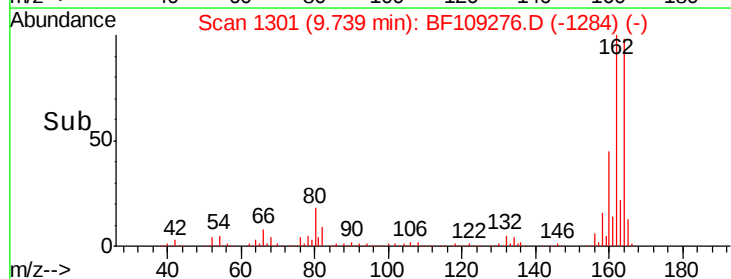
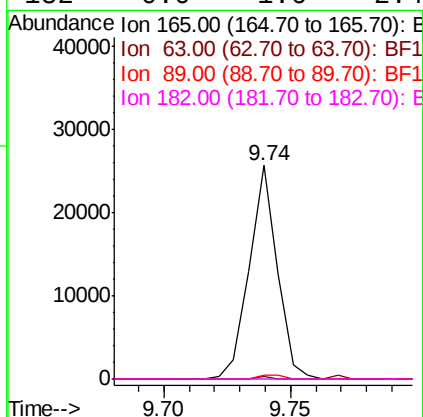
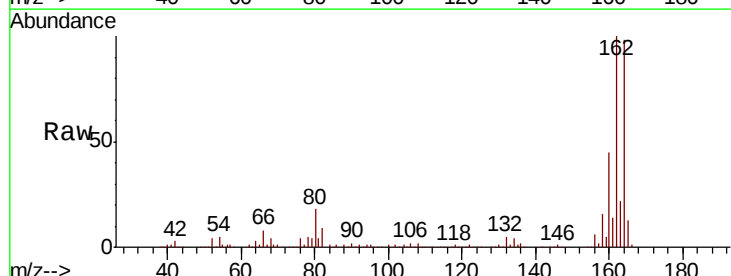
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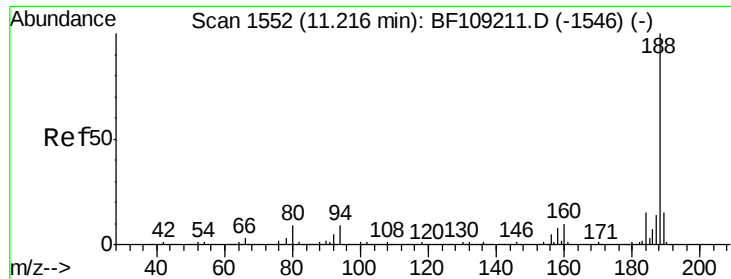
Tgt Ion:163 Resp: 66785
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 9.6 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 7.083 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.20 min
Lab File: BF109276.D
Acq: 24 Sep 2018 19:03

Tgt Ion:165 Resp: 19766
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.7 57.8 86.6#
182 0.0 1.6 2.4#

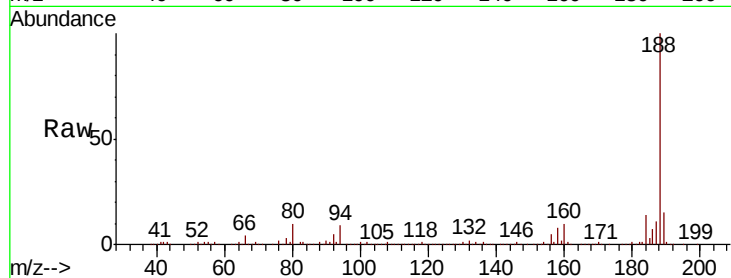




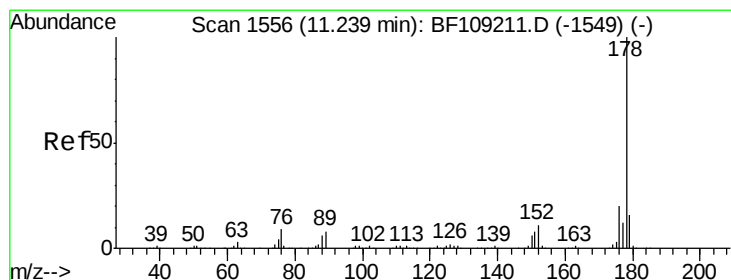
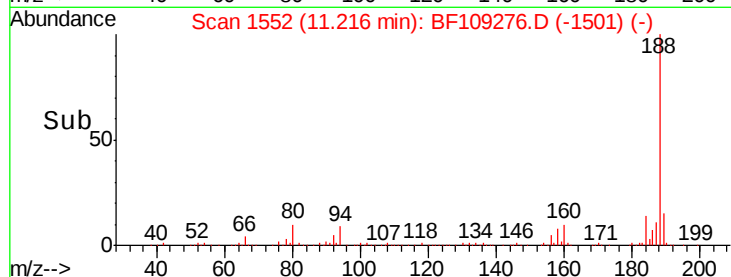
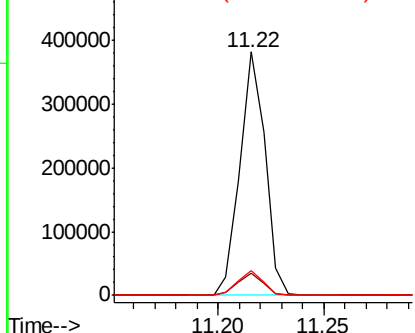
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109276.D
Acq: 24 Sep 2018 19:03

Instrument :
BNA_F
ClientSampleId :
JC-02-092118-H

Tgt Ion:188 Resp: 316331
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 10.2 9.2 13.8

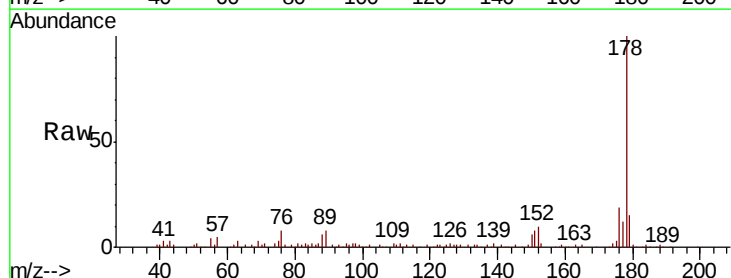


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

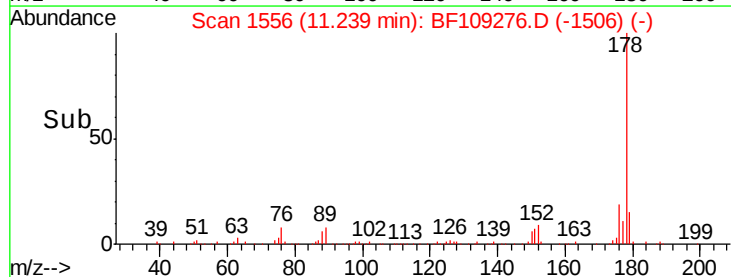
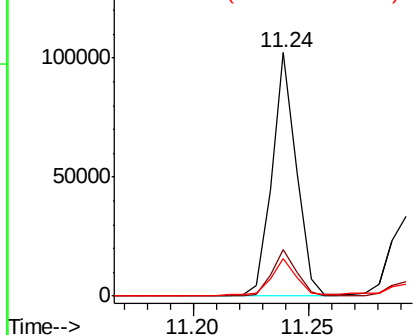


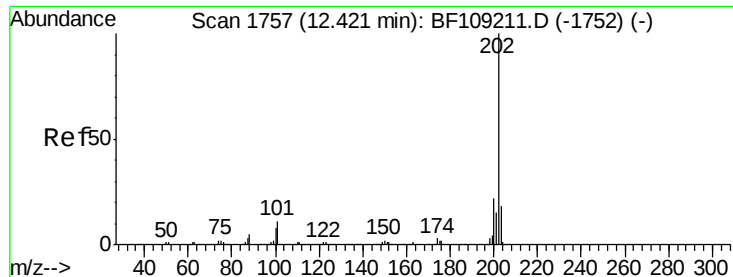
#70
Phenanthrene
Concen: 4.742 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109276.D
Acq: 24 Sep 2018 19:03

Tgt Ion:178 Resp: 74894
Ion Ratio Lower Upper
178 100
176 19.1 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





#74

Fluoranthene

Concen: 14.750 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

Instrument :

BNA_F

ClientSampleId :

JC-02-092118-H

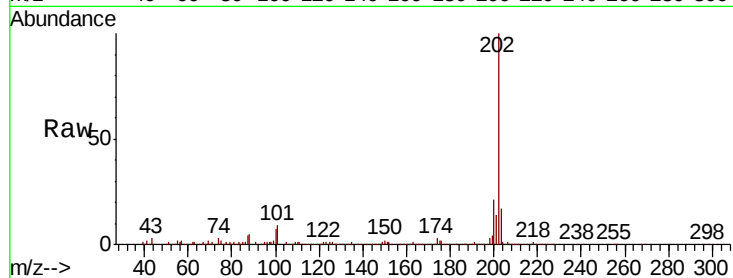
Tgt Ion:202 Resp: 248963

Ion Ratio Lower Upper

202 100

101 9.4 0.0 34.1

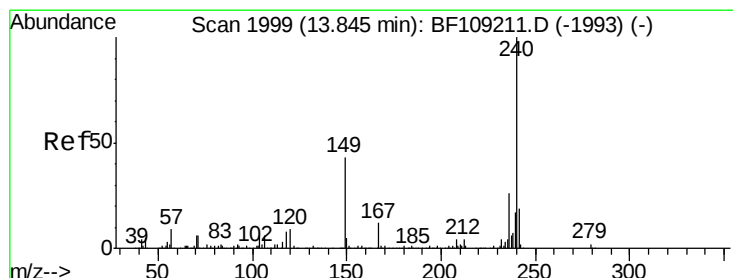
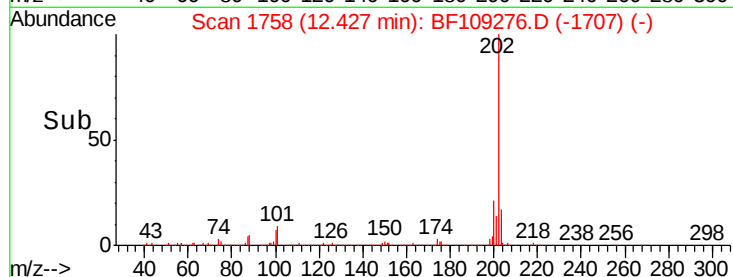
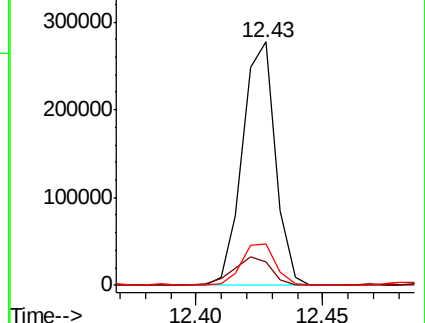
203 16.9 0.0 38.1



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: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

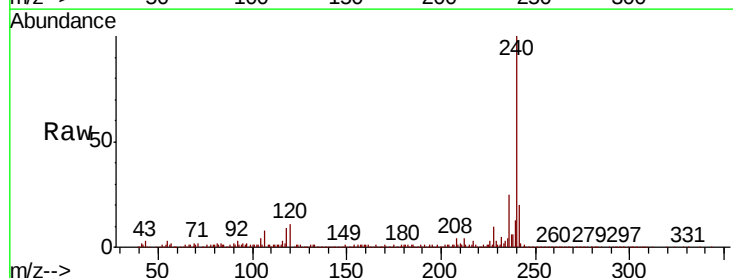
Tgt Ion:240 Resp: 256871

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

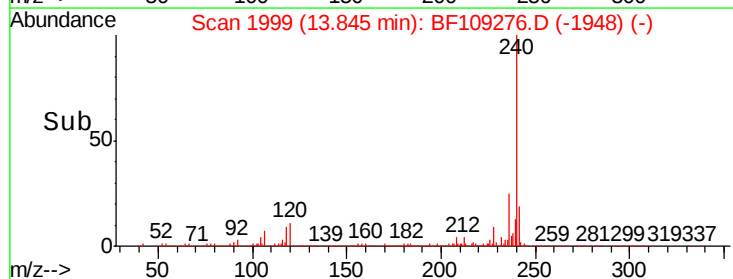
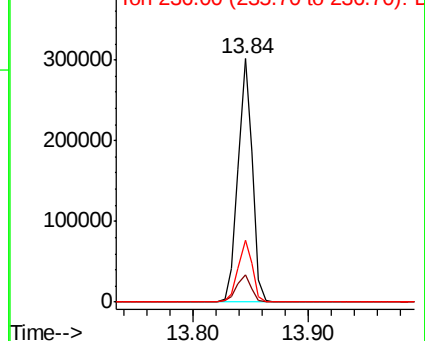
236 25.4 20.7 31.1

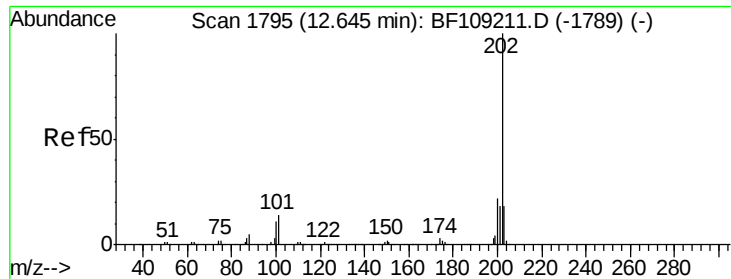


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 14.132 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

Instrument :

BNA_F

ClientSampleId :

JC-02-092118-H

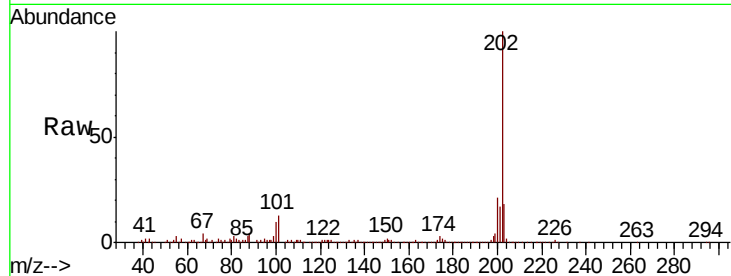
Tgt Ion: 202 Resp: 260171

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

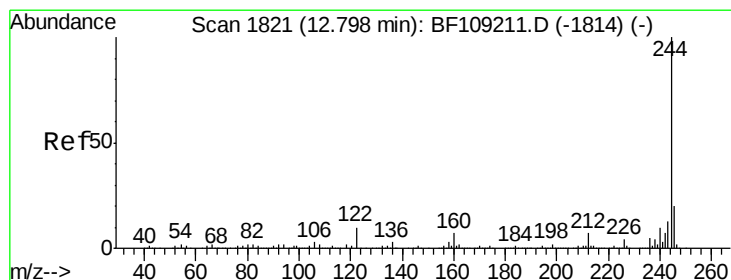
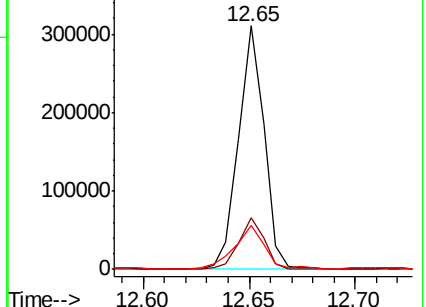
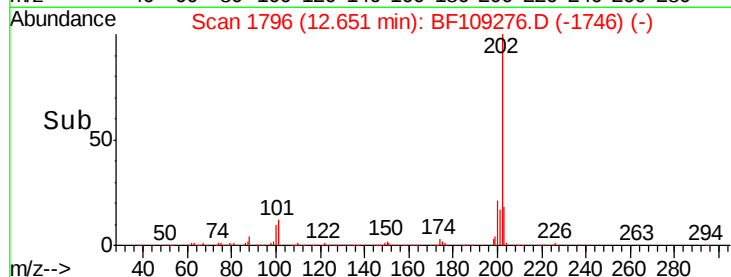
203 17.9 14.3 21.5



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: 26.109 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

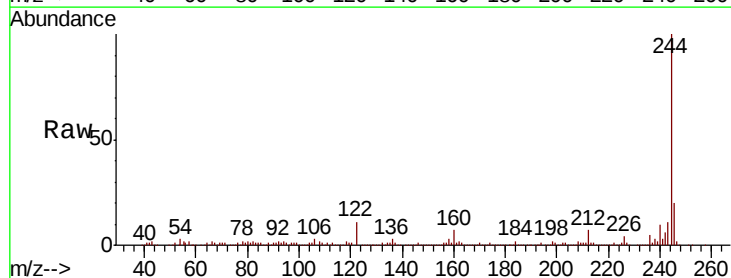
Tgt Ion: 244 Resp: 273274

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

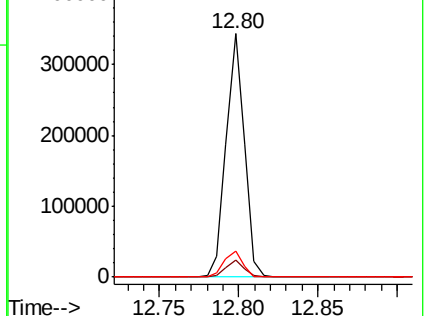
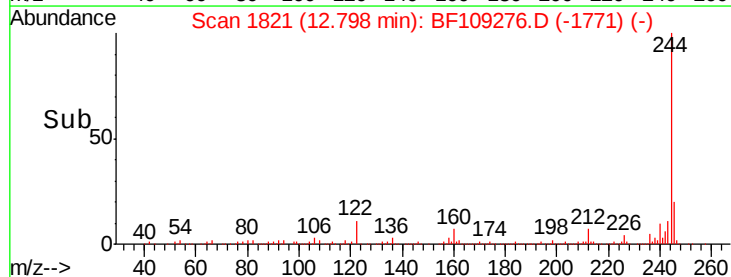
122 10.9 11.0 16.4#

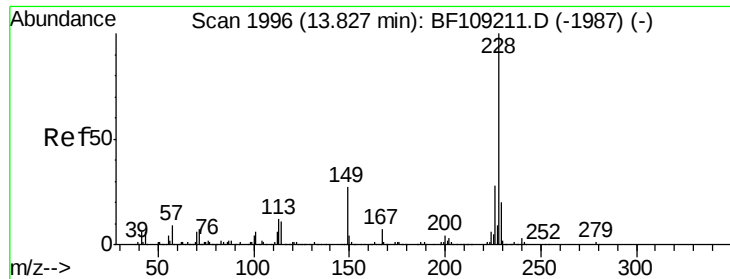


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.431 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

Instrument :

BNA_F

ClientSampleId :

JC-02-092118-H

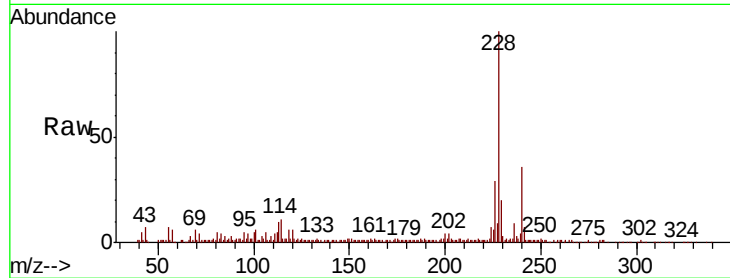
Tgt Ion:228 Resp: 114979

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

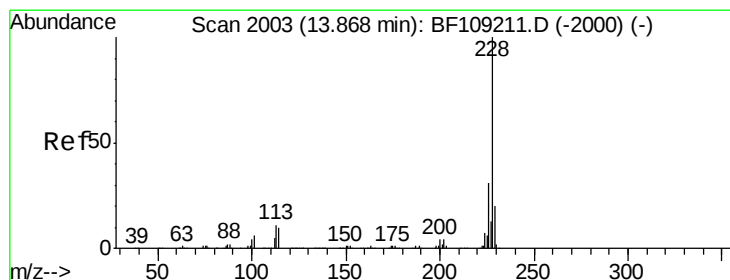
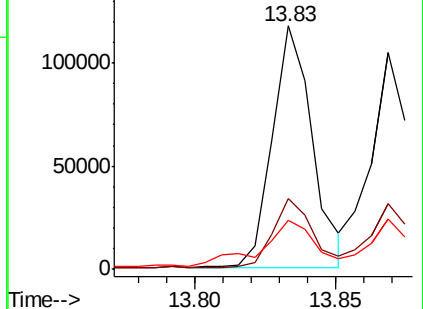
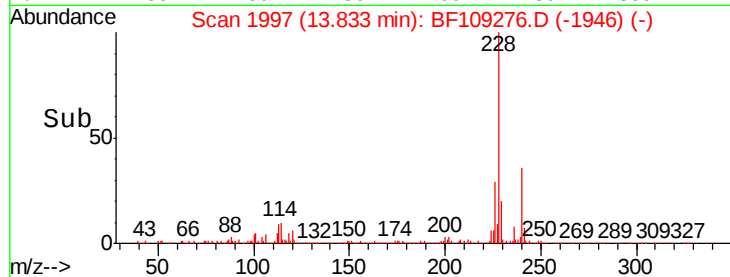
229 20.2 15.8 23.6



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: 6.170 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

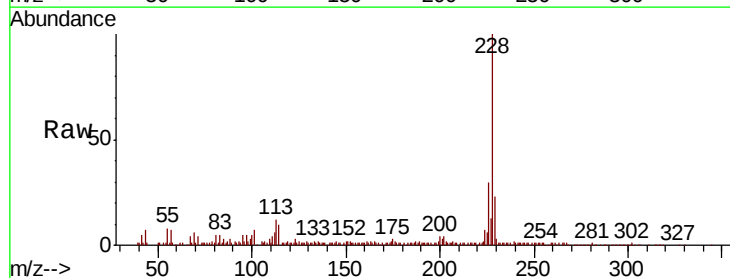
Tgt Ion:228 Resp: 94611

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

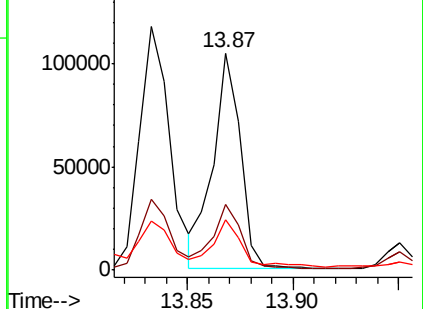
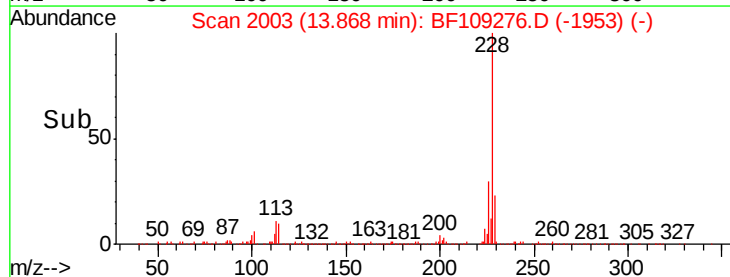
229 23.4 16.2 24.4

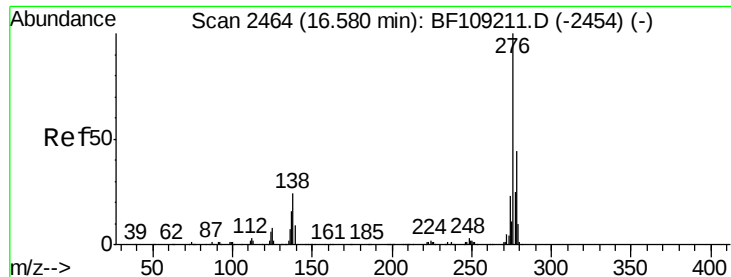


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

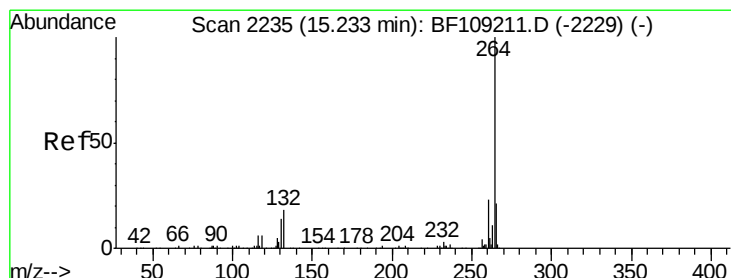
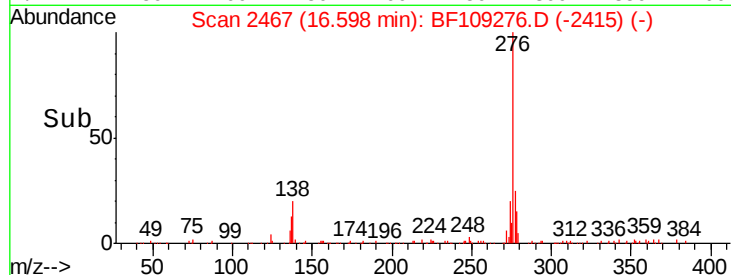
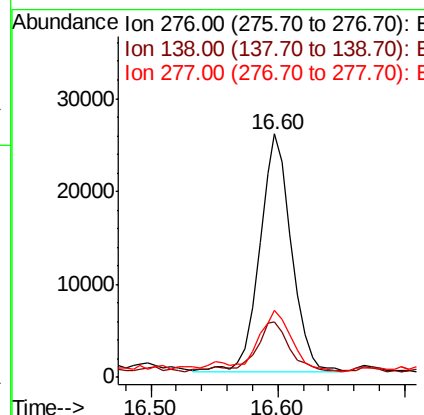
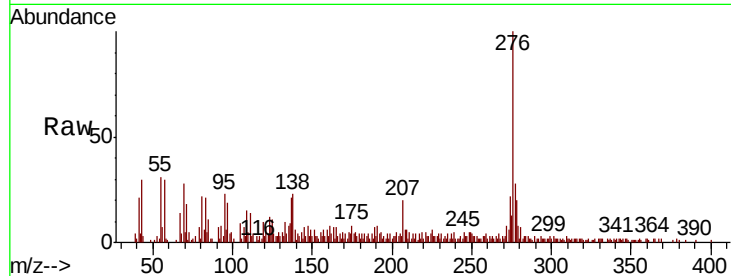




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.582 ng
 RT: 16.60 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BF109276.D
 Acq: 24 Sep 2018 19:03

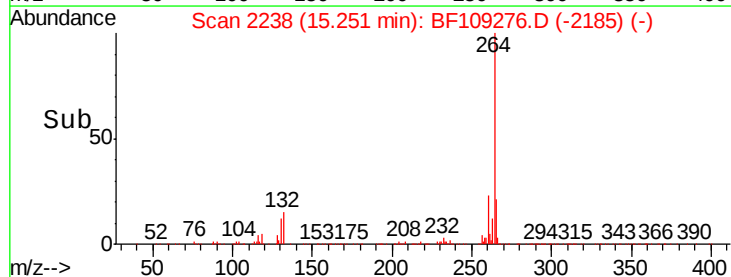
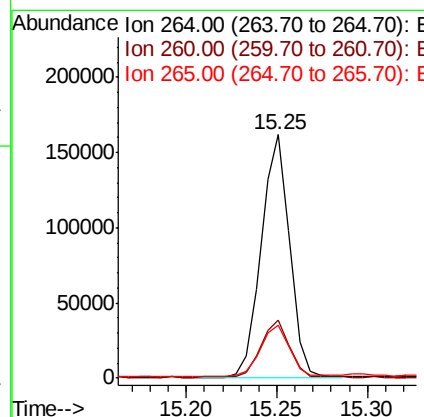
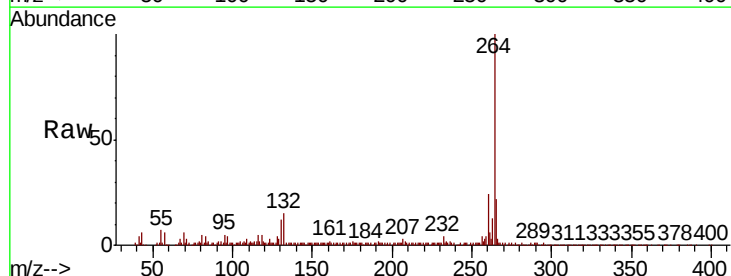
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-092118-H

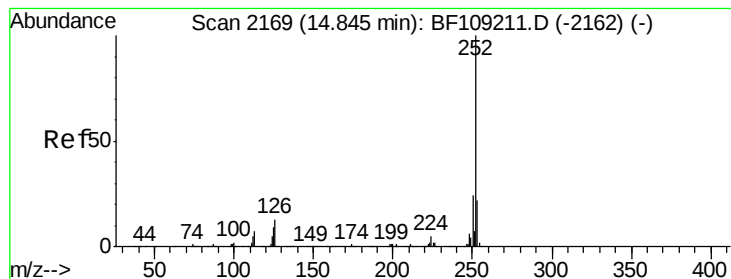
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	25.0	37.6#
277	27.2	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.25 min Scan# 2238
 Delta R.T. 0.01 min
 Lab File: BF109276.D
 Acq: 24 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 13.024 ng

RT: 14.85 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

Instrument :

BNA_F

ClientSampleId :

JC-02-092118-H

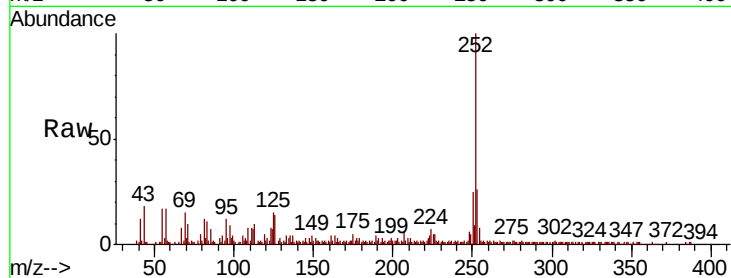
Tgt Ion:252 Resp: 125166

Ion Ratio Lower Upper

252 100

253 25.9 17.0 25.6#

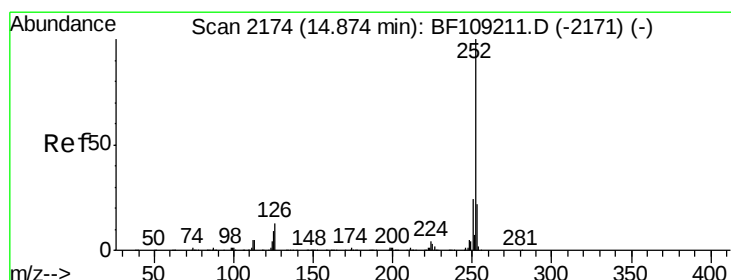
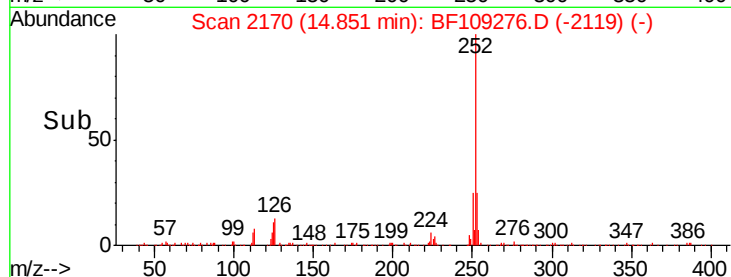
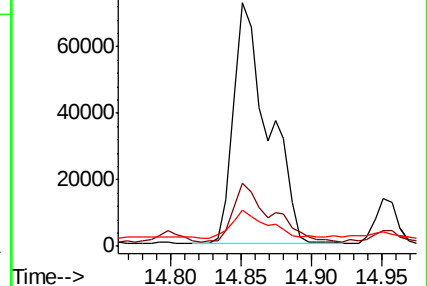
125 14.8 9.0 13.6#



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: 13.725 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.03 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

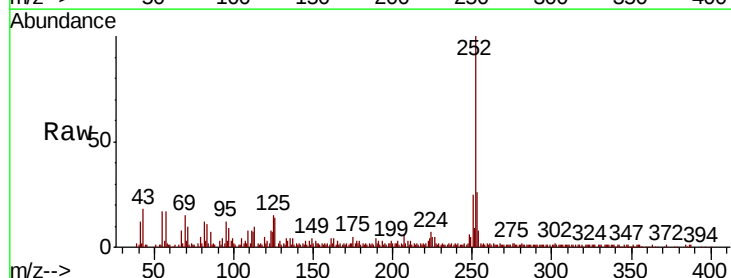
Tgt Ion:252 Resp: 125166

Ion Ratio Lower Upper

252 100

253 25.9 17.9 26.9

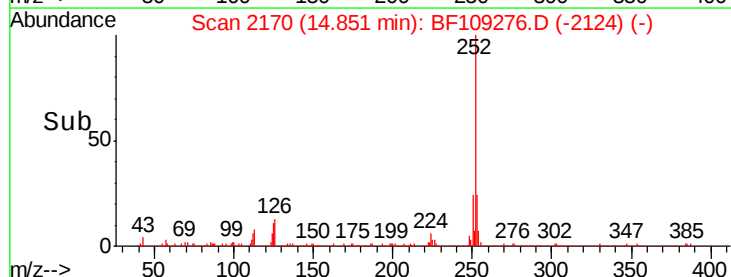
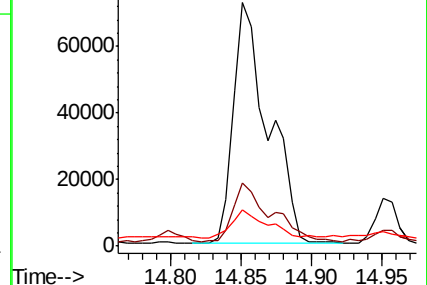
125 14.8 10.2 15.2

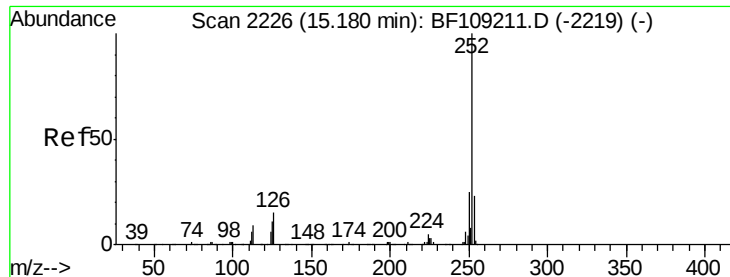


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.929 ng

RT: 15.19 min Scan# 2228

Delta R.T. 0.01 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

Instrument :

BNA_F

ClientSampleId :

JC-02-092118-H

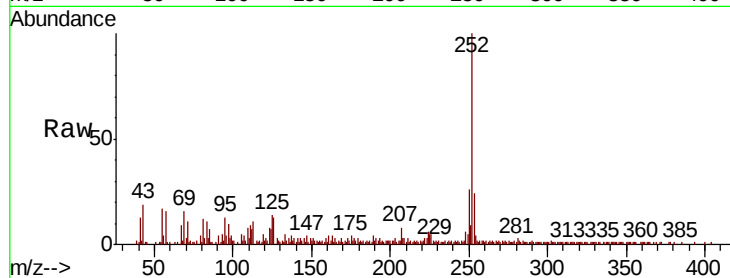
Tgt Ion:252 Resp: 68660

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

125 13.7 9.8 14.6

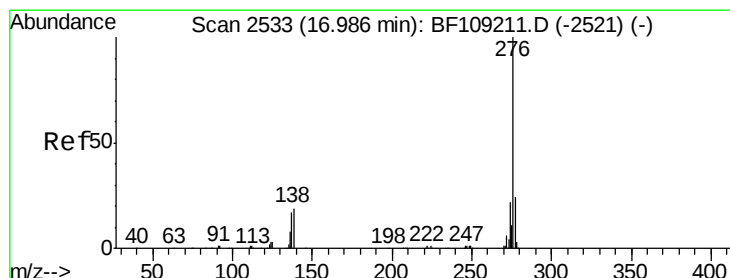
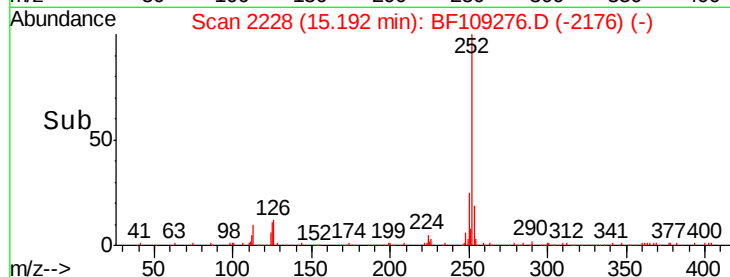
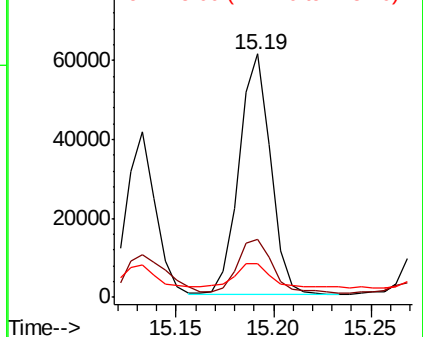


Abundance

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: 6.121 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BF109276.D

Acq: 24 Sep 2018 19:03

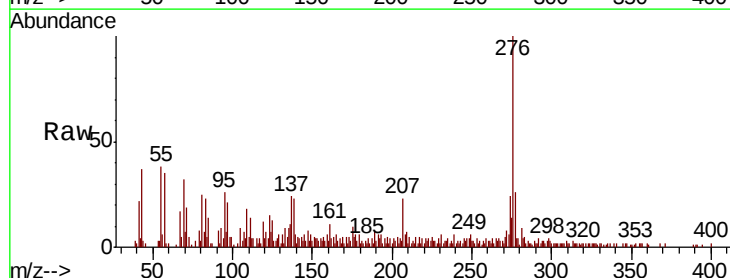
Tgt Ion:276 Resp: 42736

Ion Ratio Lower Upper

276 100

277 26.2 17.9 26.9

138 23.0 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

