

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092418\
 Data File : BF109275.D
 Acq On : 24 Sep 2018 18:37
 Operator : JU/SJ
 Sample : J4770-13 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Sep 25 04:42:52 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	118139	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	461271	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	206026	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	349302	20.00	ng	0.00
75) Chrysene-d12	13.84	240	275334	20.00	ng	0.00
86) Perylene-d12	15.25	264	210942	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	248905	34.70	ng	0.00
7) Phenol-d6	6.34	99	319888	34.95	ng	-0.02
23) Nitrobenzene-d5	7.26	82	188997	24.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	69431	34.19	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	337697	24.72	ng	-0.01
78) Terphenyl-d14	12.80	244	258556	23.05	ng	0.00

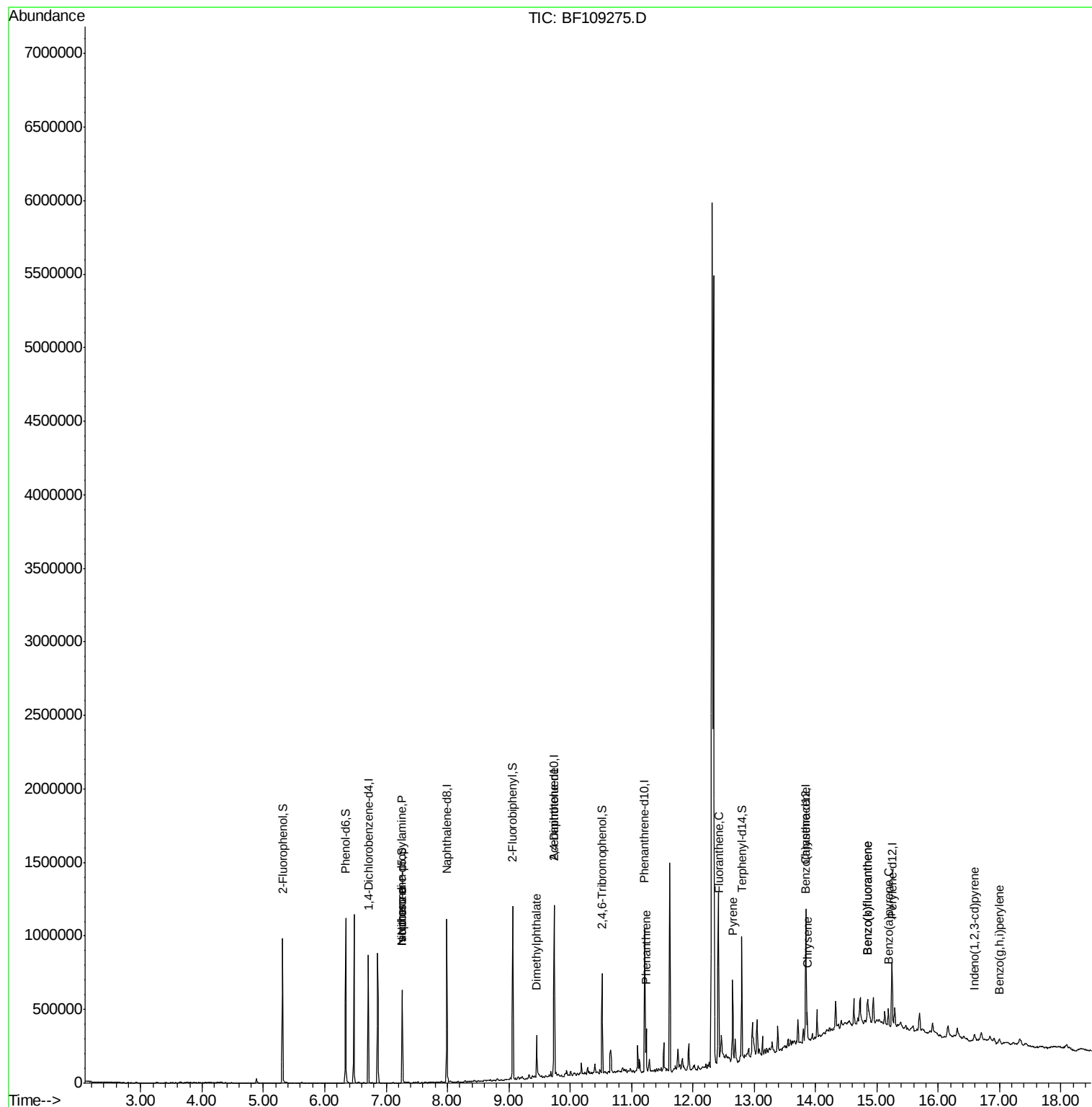
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	25918	4.322	ng	# 82
25) Isophorone	7.26	82	152568	10.843	ng	# 64
49) Dimethylphthalate	9.46	163	93730	6.255	ng	# 99
56) 2,4-Dinitrotoluene	9.74	165	27765	7.394	ng	# 23
70) Phenanthrene	11.24	178	95767	5.491	ng	98
74) Fluoranthene	12.43	202	170494	9.148	ng	93
77) Pyrene	12.65	202	166124	8.419	ng	98
80) Benzo(a)anthracene	13.83	228	82930	5.001	ng	93
82) Chrysene	13.87	228	70724	4.303	ng	97
85) Indeno(1,2,3-cd)pyrene	16.59	276	30256	2.271	ng	# 91
87) Benzo(b)fluoranthene	14.85	252	104175	8.988	ng	# 93
88) Benzo(k)fluoranthene	14.85	252	104175	9.471	ng	96
89) Benzo(a)pyrene	15.19	252	54783	5.245	ng	# 90
91) Benzo(g,h,i)perylene	17.00	276	26746	3.176	ng	# 91

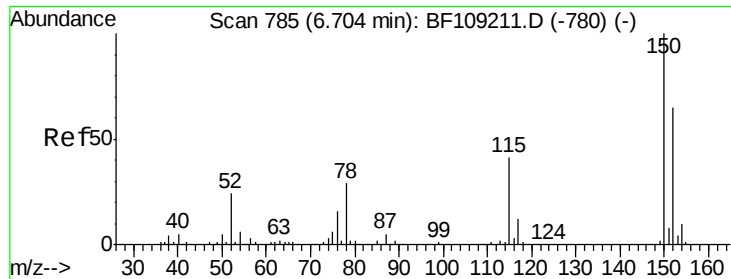
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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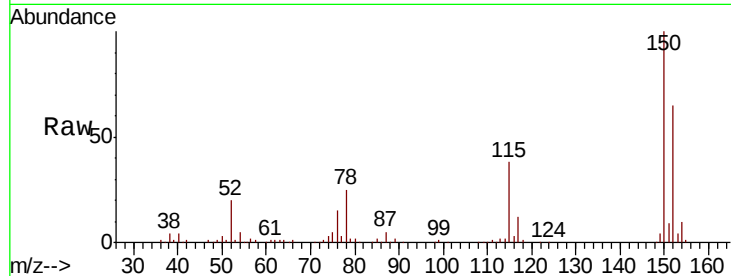


#1

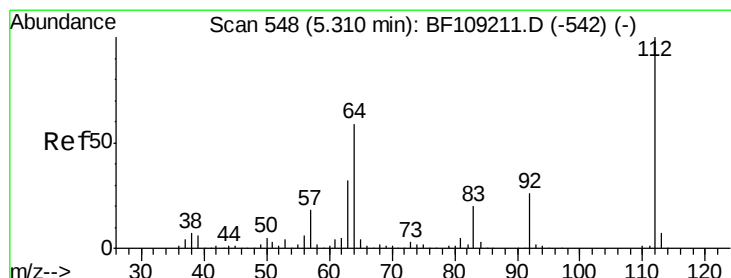
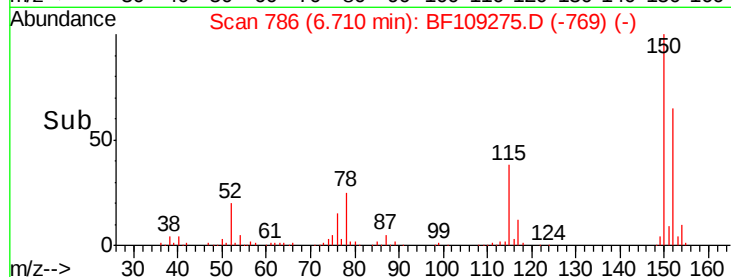
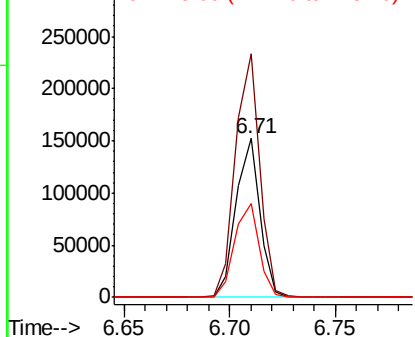
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109275.D
Acq: 24 Sep 2018 18:37

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

Tgt Ion:152 Resp: 118139
Ion Ratio Lower Upper
152 100
150 153.4 124.6 186.8
115 59.0 50.1 75.1



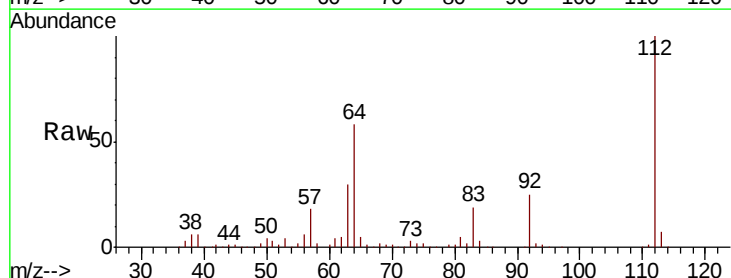
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



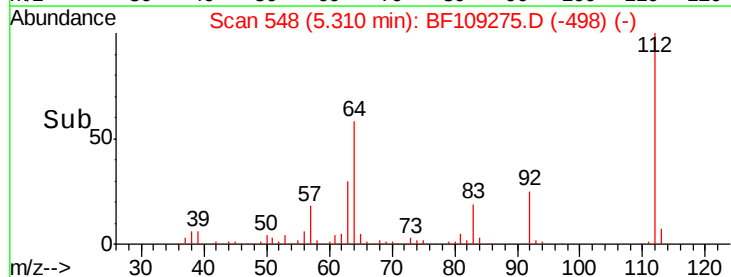
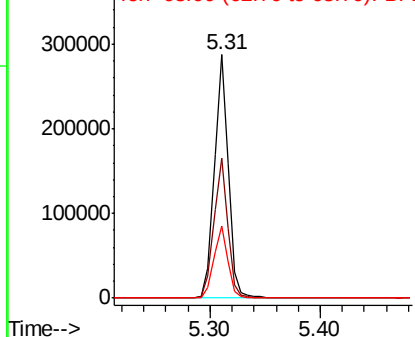
#5

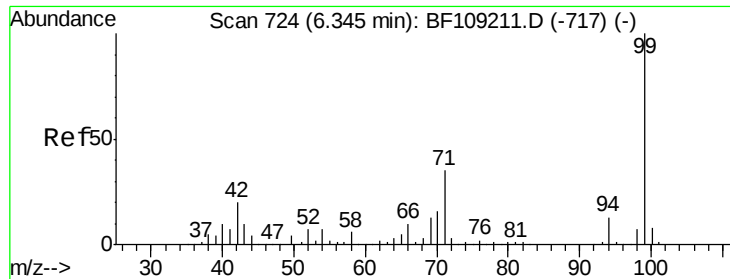
2-Fluorophenol
Concen: 34.702 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109275.D
Acq: 24 Sep 2018 18:37

Tgt Ion:112 Resp: 248905
Ion Ratio Lower Upper
112 100
64 57.6 47.9 71.9
63 29.8 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: 34.951 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109275.D

Acq: 24 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

JC-02-092118-G

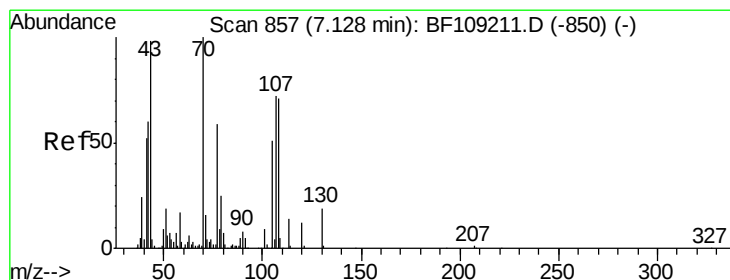
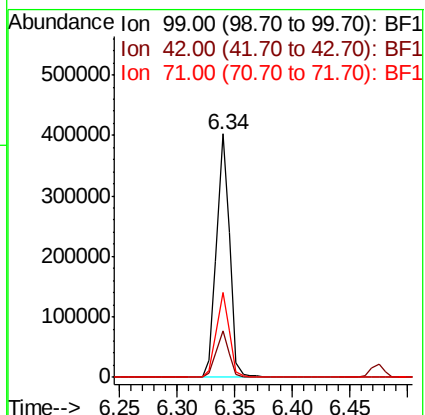
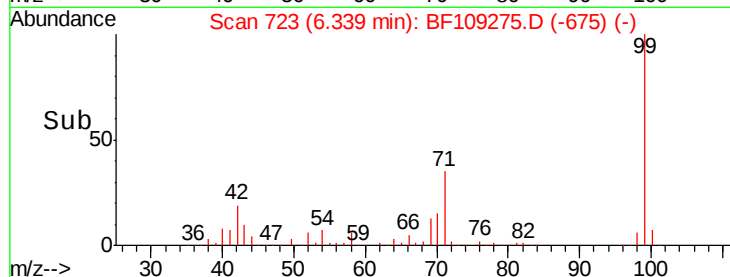
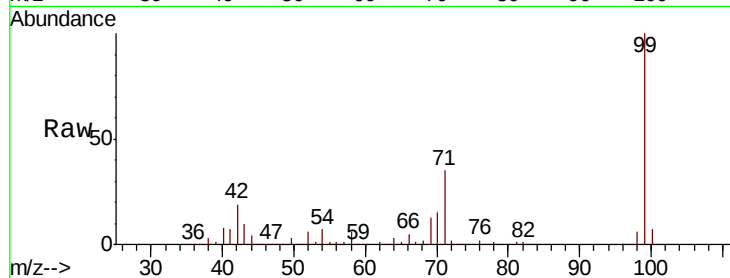
Tgt Ion: 99 Resp: 319888

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 35.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.322 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109275.D

Acq: 24 Sep 2018 18:37

Tgt Ion: 70 Resp: 25918

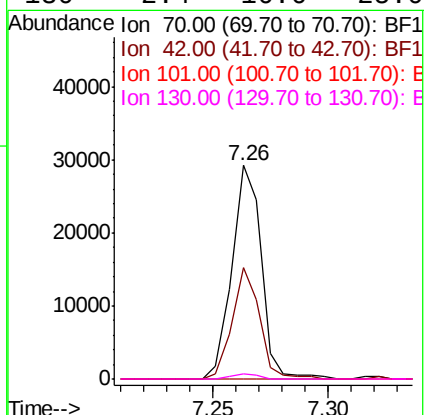
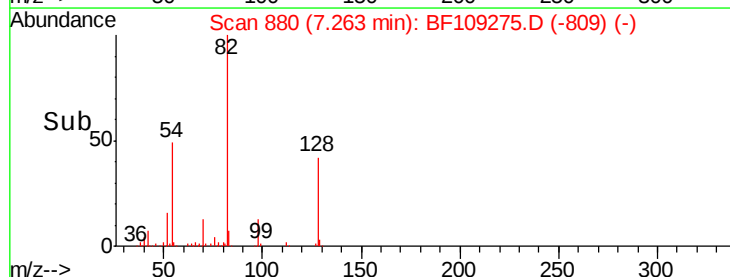
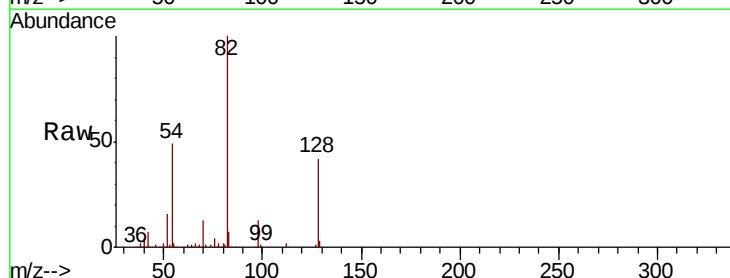
Ion Ratio Lower Upper

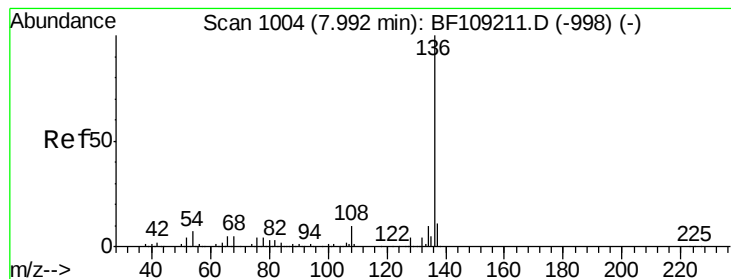
70 100

42 51.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 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: BF109275.D

Acq: 24 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

JC-02-092118-G

Tgt Ion: 136 Resp: 461271

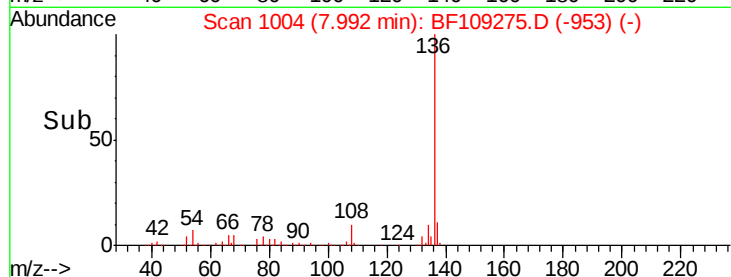
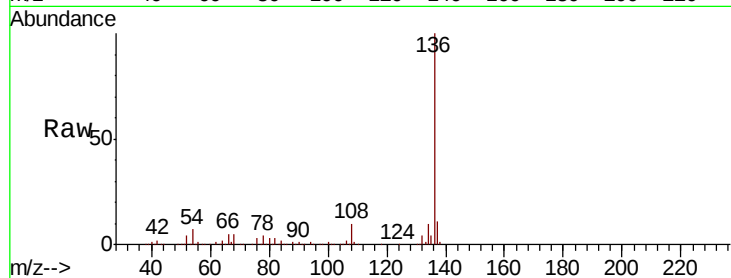
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.7 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

800000

600000

400000

200000

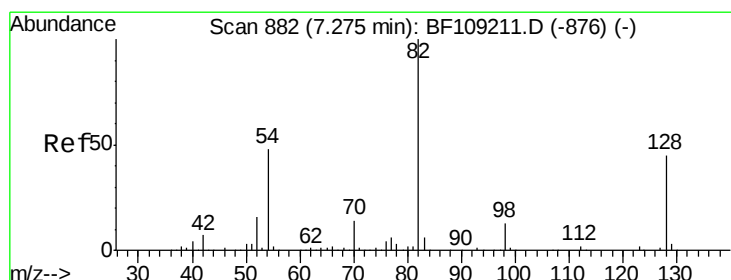
0

7.95

8.00

8.05

Time-->



#23

Nitrobenzene-d5

Concen: 24.187 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109275.D

Acq: 24 Sep 2018 18:37

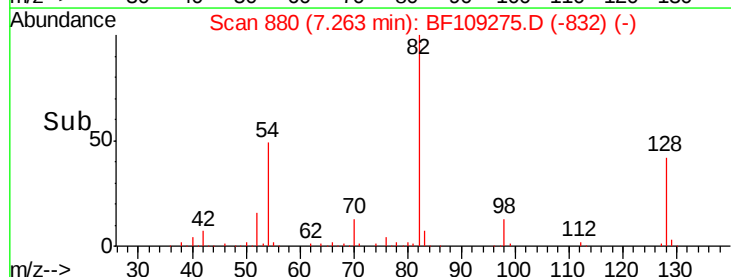
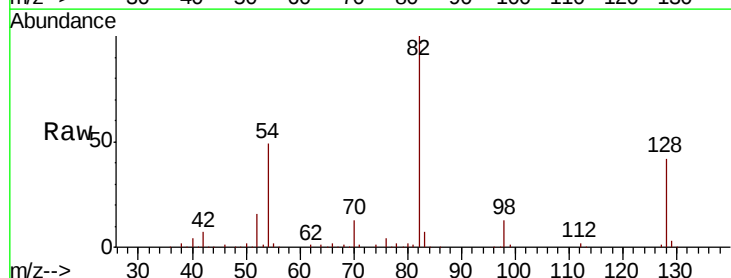
Tgt Ion: 82 Resp: 188997

Ion Ratio Lower Upper

82 100

128 41.6 36.1 54.1

54 48.8 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

300000

250000

200000

150000

100000

50000

0

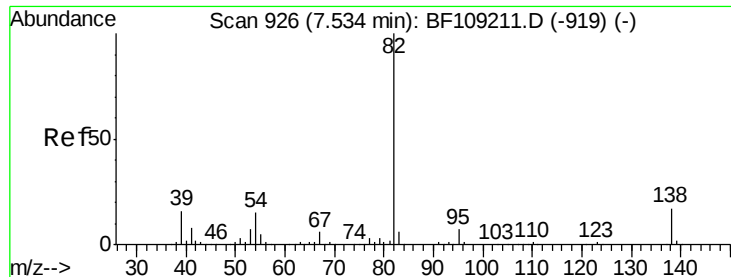
7.20

7.25

7.30

7.35

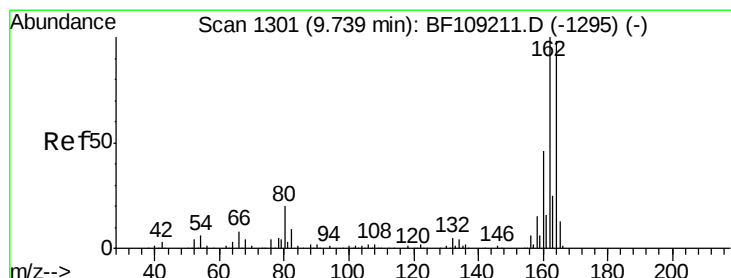
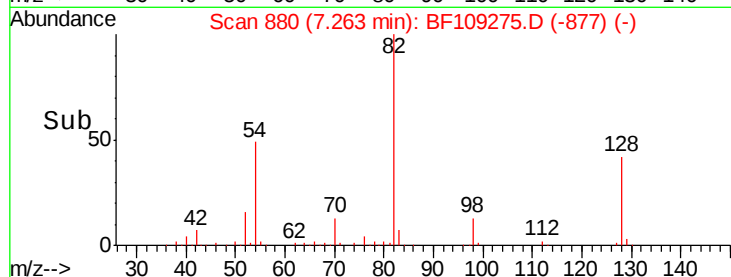
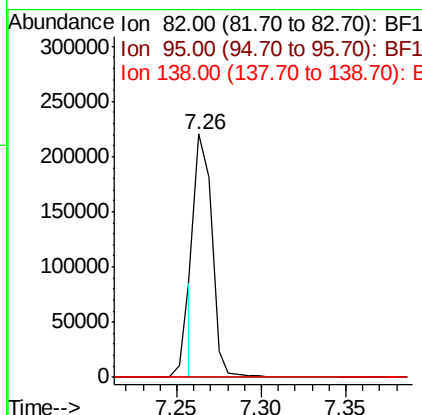
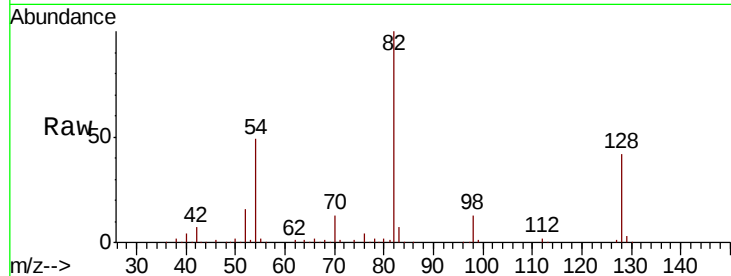
Time-->



#25
Isophorone
Concen: 10.843 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109275.D
Acq: 24 Sep 2018 18:37

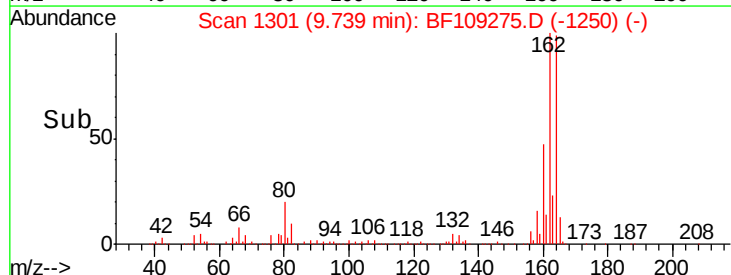
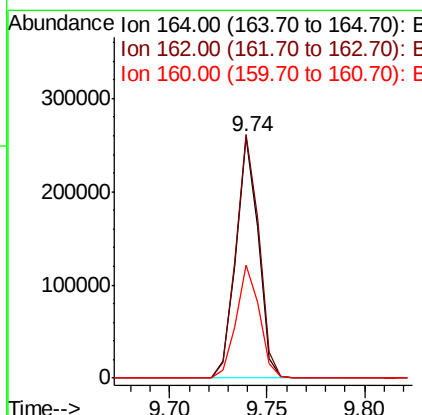
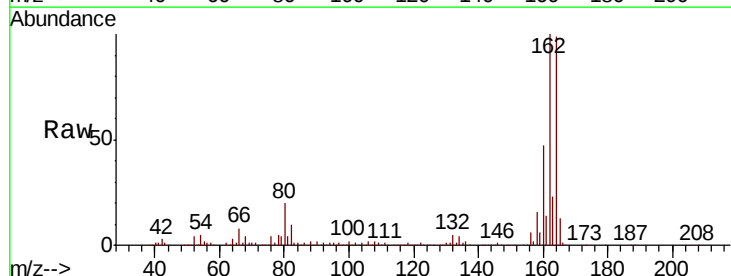
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JC-02-092118-G

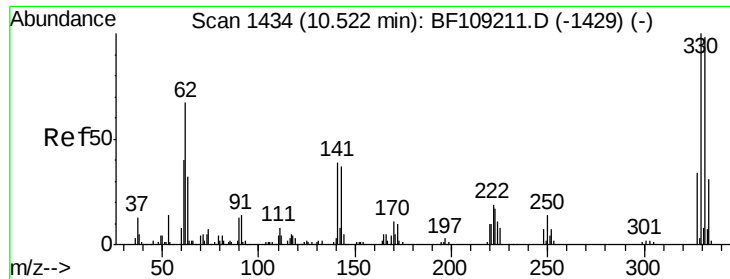
Tgt Ion: 82 Resp: 152568
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109275.D
Acq: 24 Sep 2018 18:37

Tgt Ion: 164 Resp: 206026
Ion Ratio Lower Upper
164 100
162 100.9 86.1 129.1
160 47.1 38.3 57.5

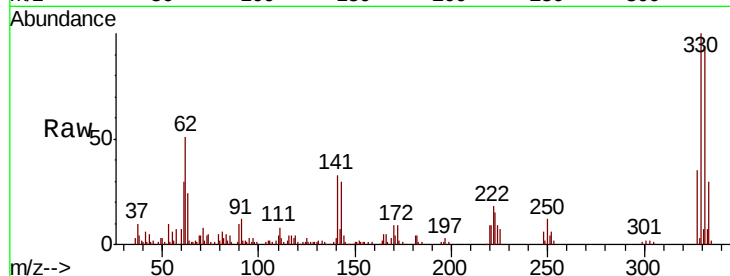




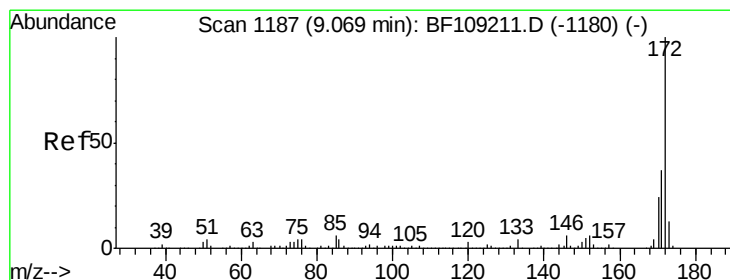
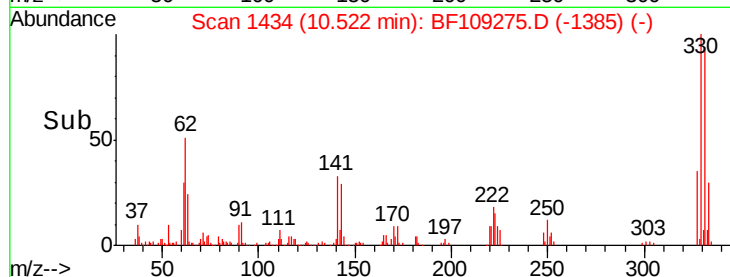
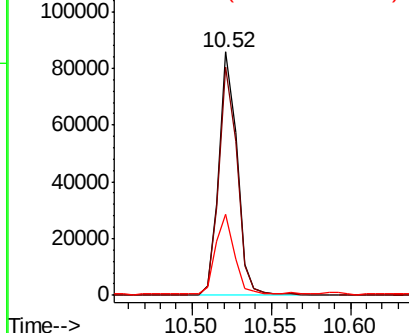
#41
 2,4,6-Tribromophenol
 Concen: 34.186 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109275.D
 Acq: 24 Sep 2018 18:37

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

Tgt Ion:330 Resp: 69431
 Ion Ratio Lower Upper
 330 100
 332 94.2 77.0 115.6
 141 33.5 29.9 44.9

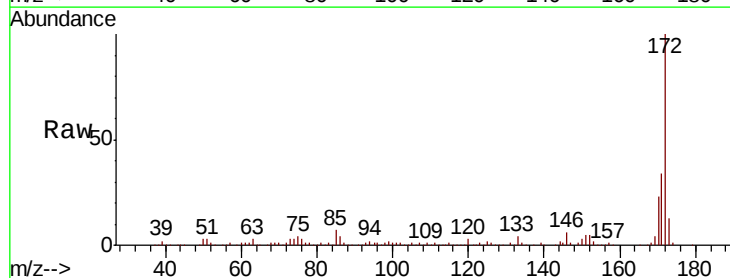


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

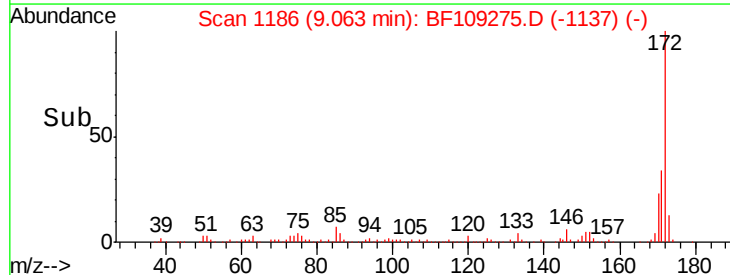
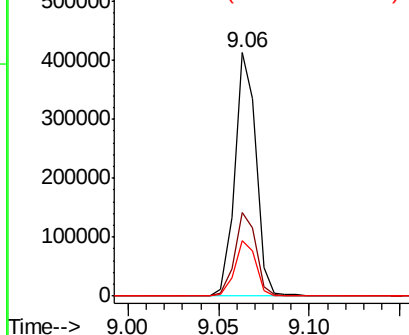


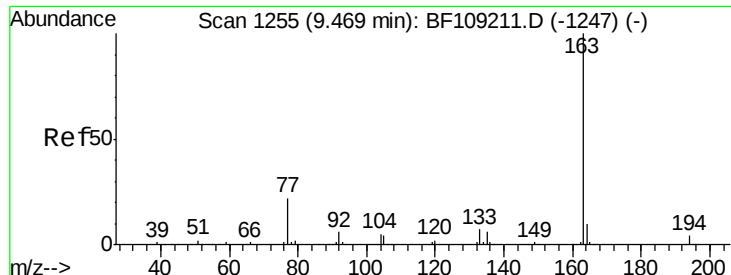
#44
 2-Fluorobiphenyl
 Concen: 24.721 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109275.D
 Acq: 24 Sep 2018 18:37

Tgt Ion:172 Resp: 337697
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.7 44.5
 170 23.0 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

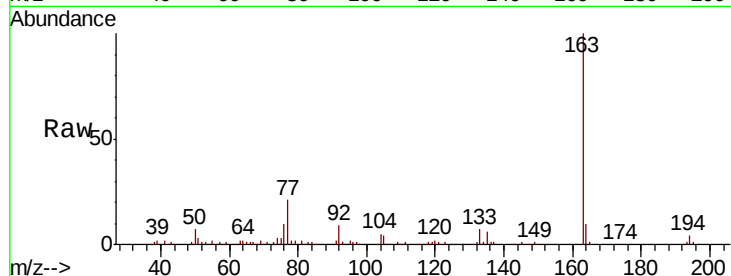




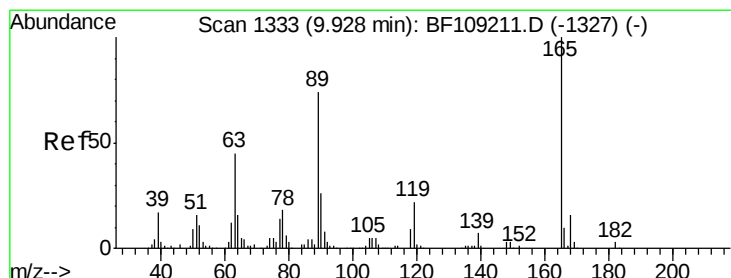
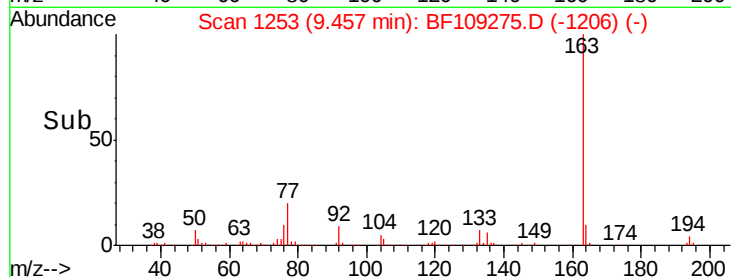
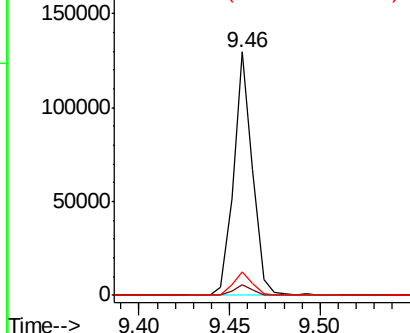
#49
Dimethylphthalate
Concen: 6.255 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109275.D
Acq: 24 Sep 2018 18:37

Instrument :
BNA_F
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JC-02-092118-G

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	9.8	8.2	12.2

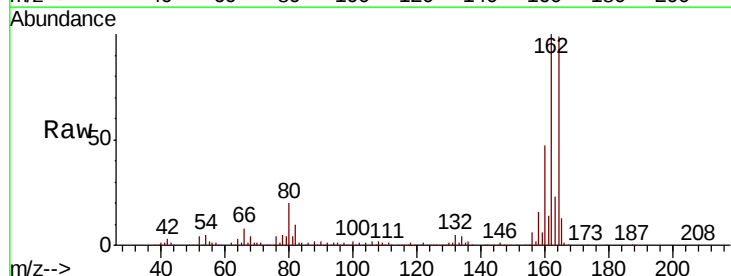


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

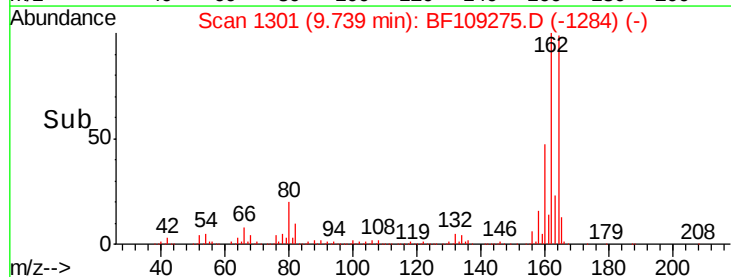
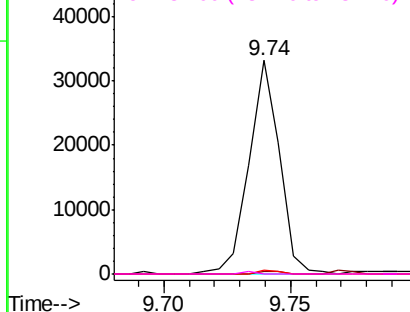


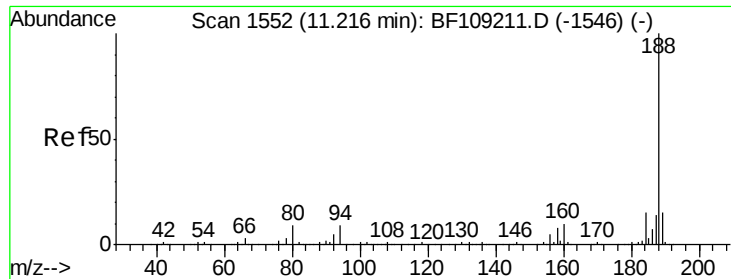
#56
2,4-Dinitrotoluene
Concen: 7.394 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.20 min
Lab File: BF109275.D
Acq: 24 Sep 2018 18:37

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



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

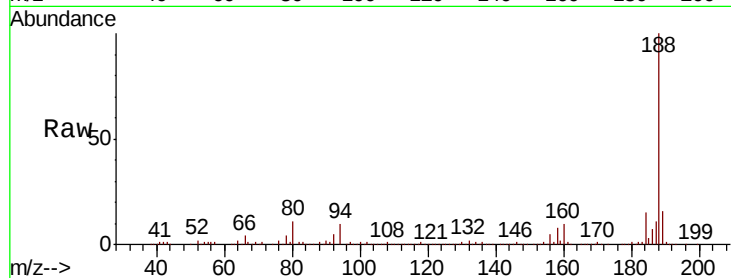




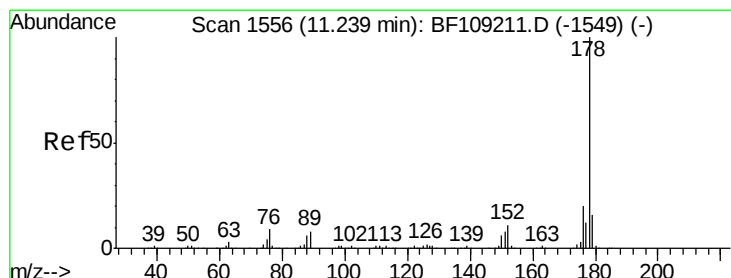
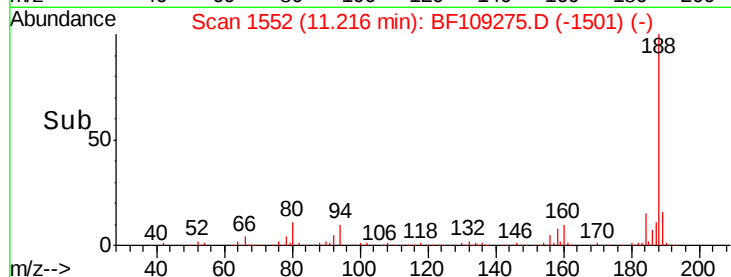
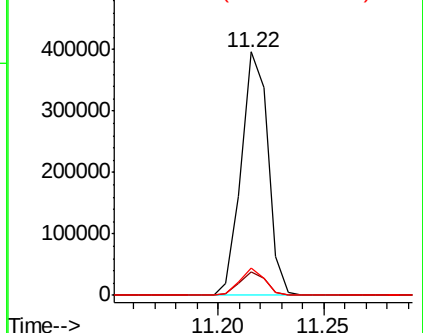
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109275.D
Acq: 24 Sep 2018 18:37

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

Tgt Ion:188 Resp: 349302
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 11.1 9.2 13.8

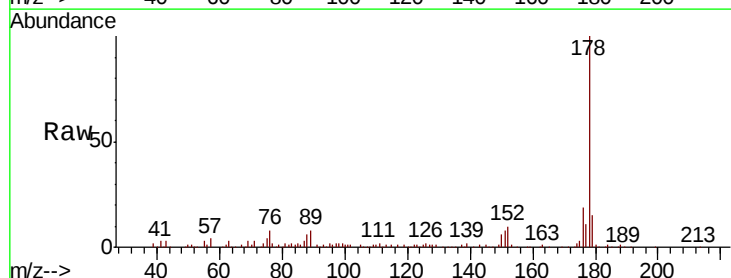


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

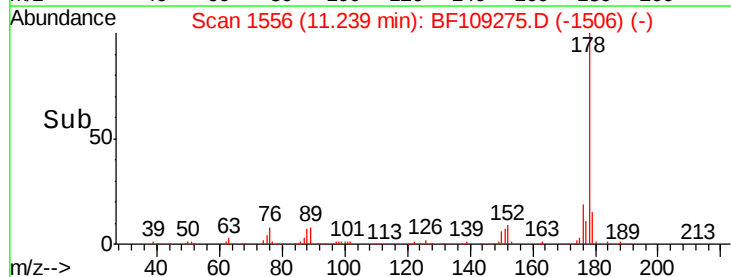
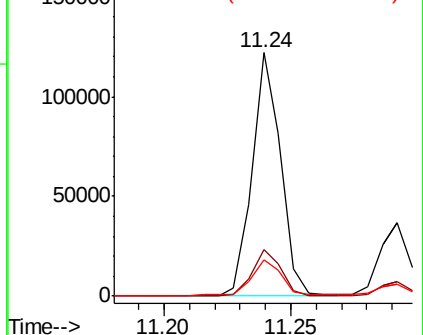


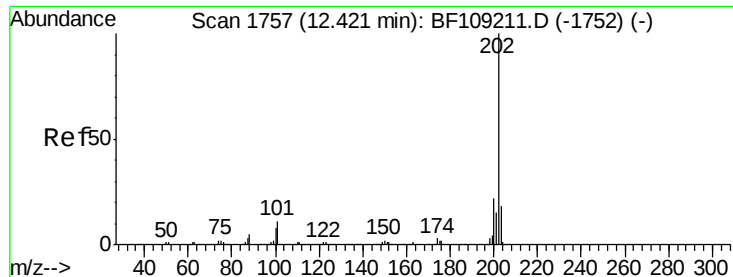
#70
Phenanthrene
Concen: 5.491 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109275.D
Acq: 24 Sep 2018 18:37

Tgt Ion:178 Resp: 95767
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 14.9 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: 9.148 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF109275.D

Acq: 24 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

JC-02-092118-G

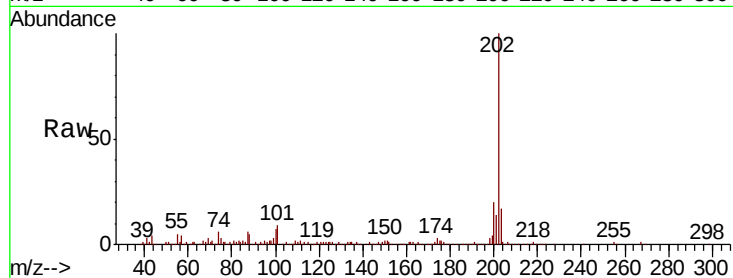
Tgt Ion:202 Resp: 170494

Ion Ratio Lower Upper

202 100

101 9.3 0.0 34.1

203 16.9 0.0 38.1

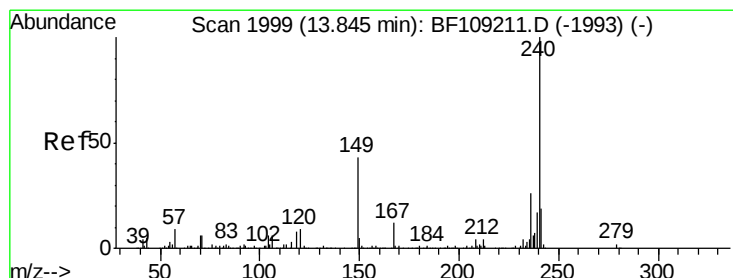
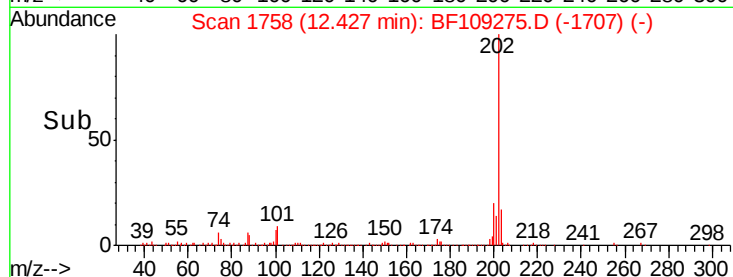
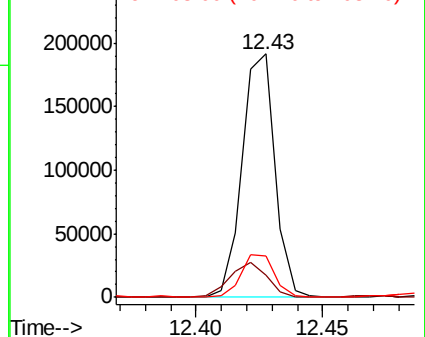


Abundance

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: BF109275.D

Acq: 24 Sep 2018 18:37

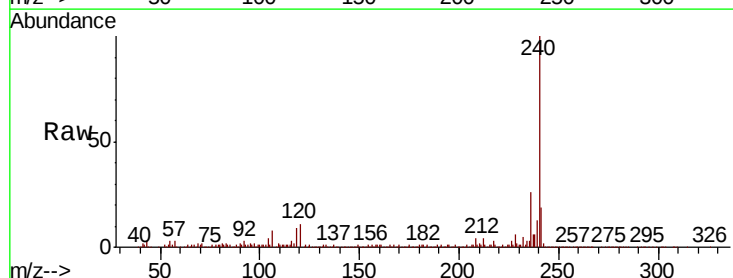
Tgt Ion:240 Resp: 275334

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

236 25.9 20.7 31.1

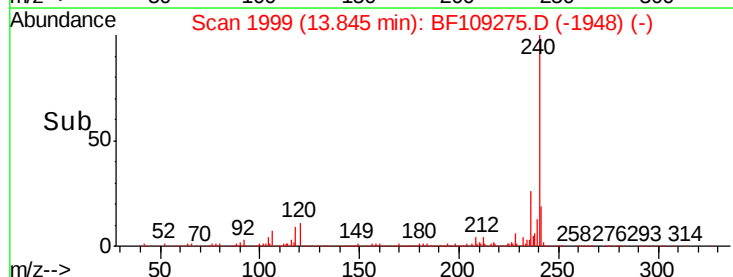
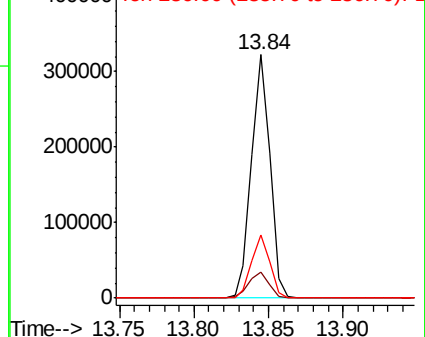


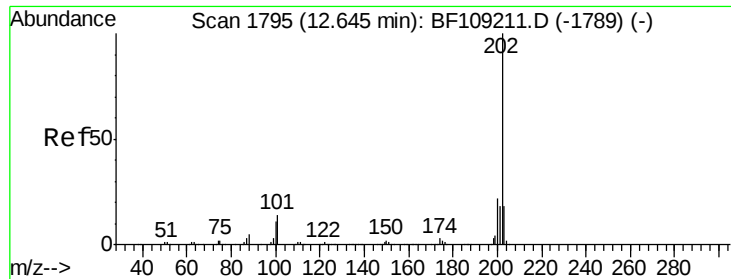
Abundance

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

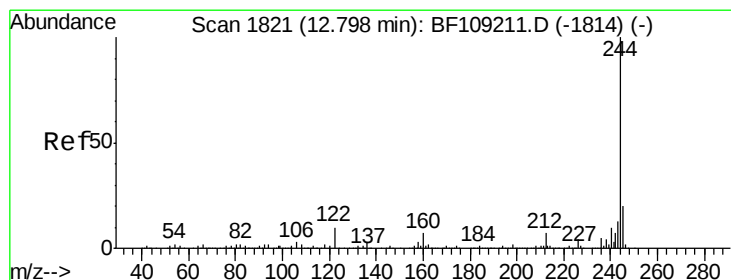
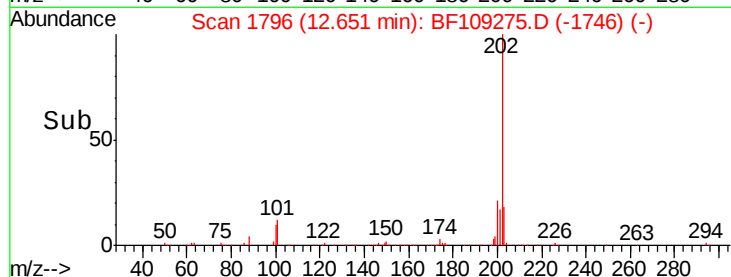
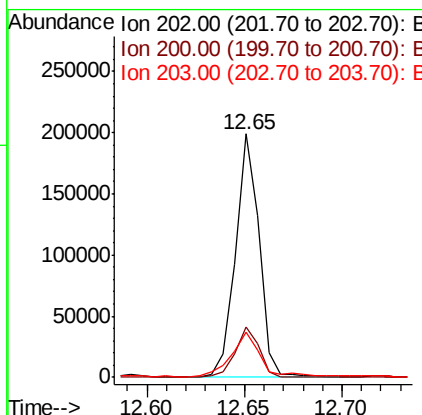
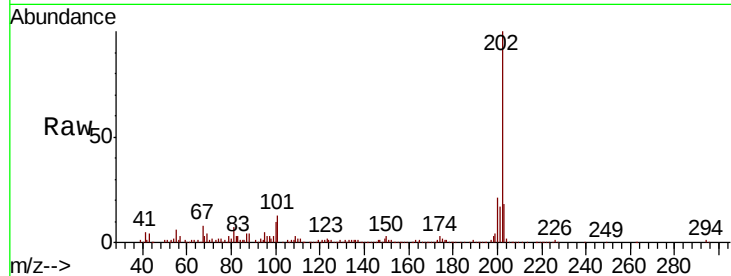




#77
 Pyrene
 Concen: 8.419 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: BF109275.D
 Acq: 24 Sep 2018 18:37

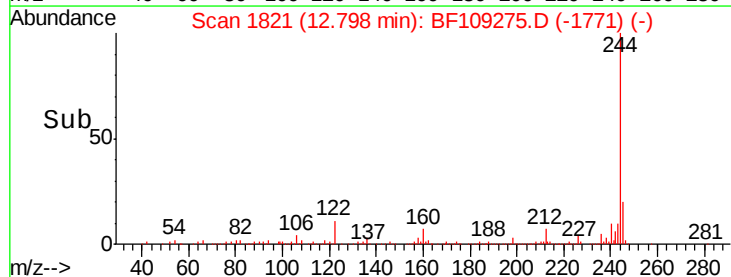
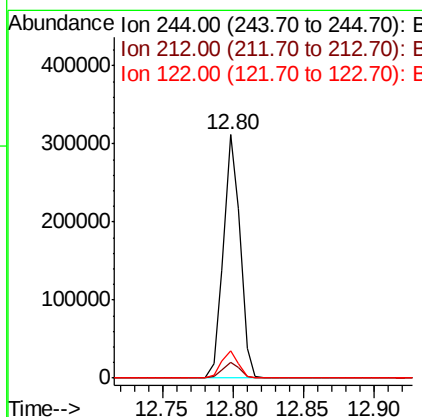
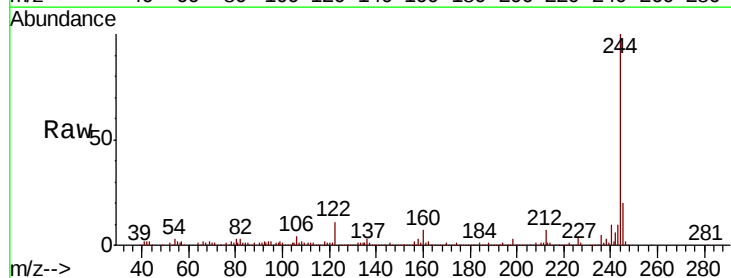
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-092118-G

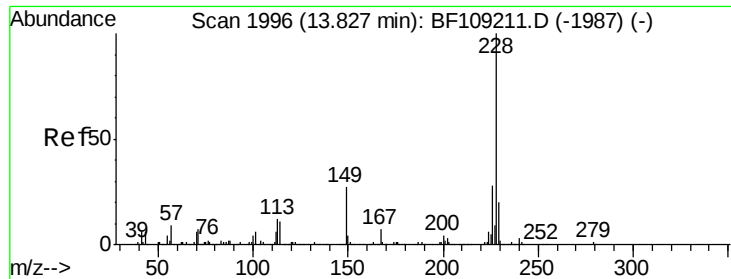
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	18.4	14.3	21.5



#78
 Terphenyl-d14
 Concen: 23.046 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109275.D
 Acq: 24 Sep 2018 18:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.2	11.0	16.4





#80

Benzo(a)anthracene

Concen: 5.001 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF109275.D

Acq: 24 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

JC-02-092118-G

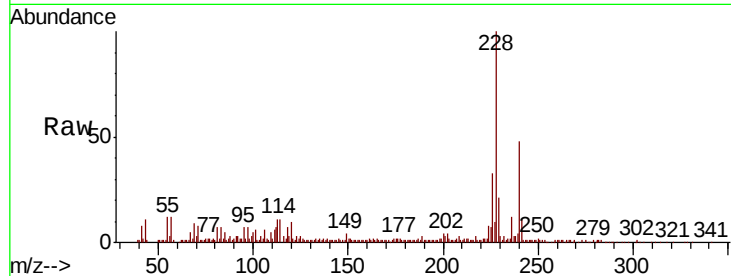
Tgt Ion:228 Resp: 82930

Ion Ratio Lower Upper

228 100

226 33.0 22.6 33.8

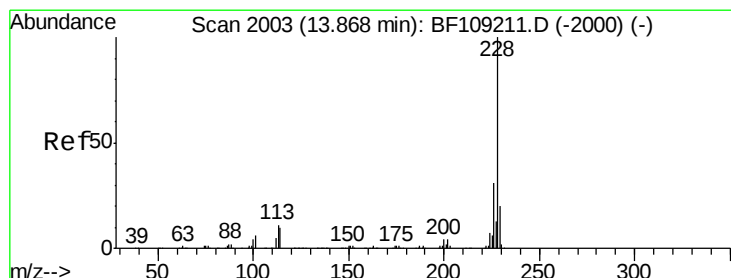
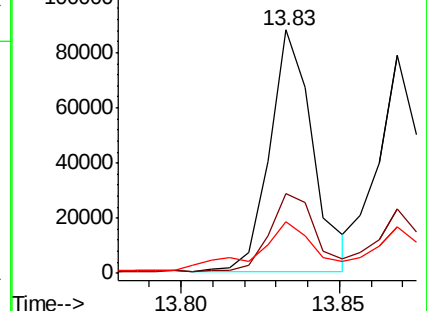
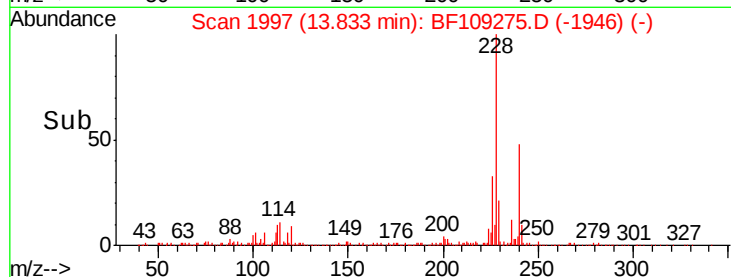
229 21.2 15.8 23.6



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: 4.303 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF109275.D

Acq: 24 Sep 2018 18:37

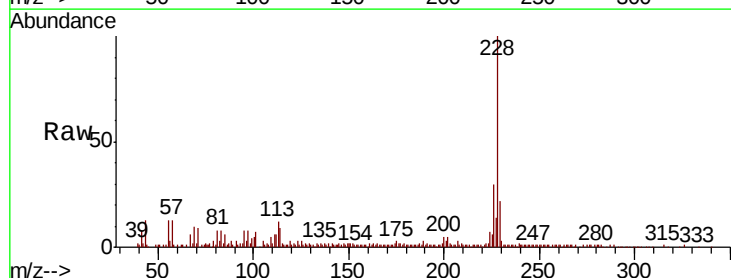
Tgt Ion:228 Resp: 70724

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

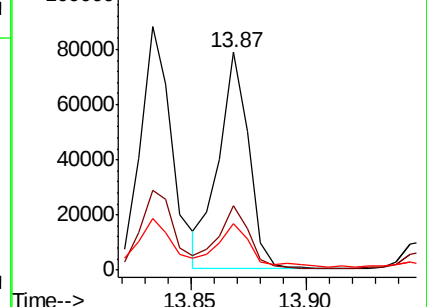
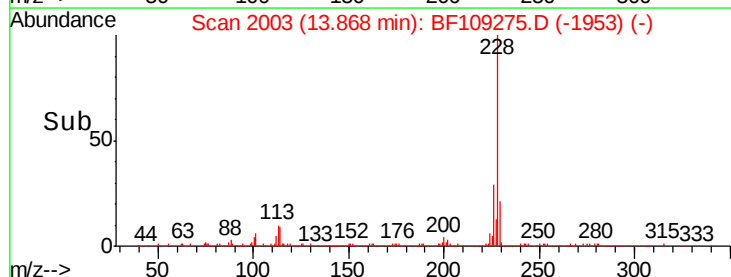
229 21.6 16.2 24.4

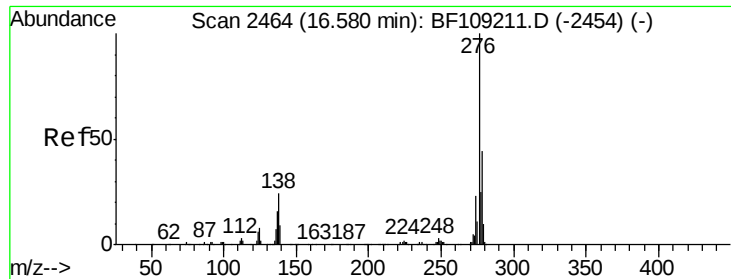


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

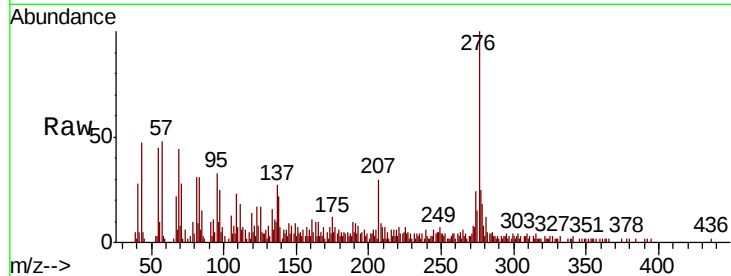




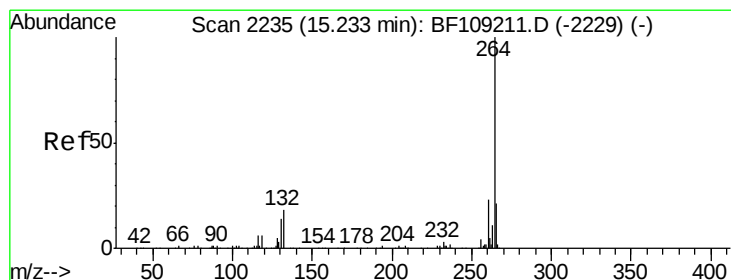
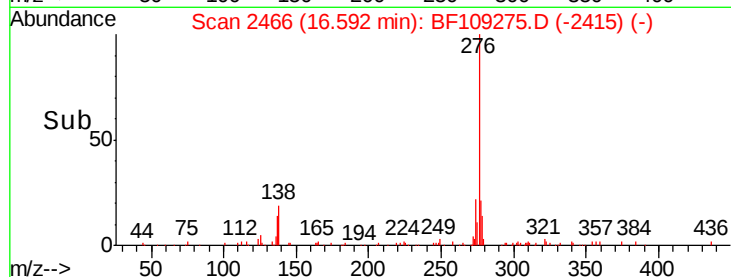
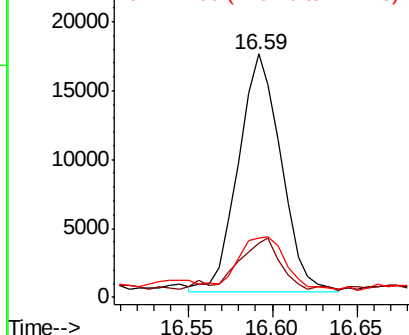
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.271 ng
RT: 16.59 min Scan# 2466
Delta R.T. 0.00 min
Lab File: BF109275.D
Acq: 24 Sep 2018 18:37

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

Tgt Ion: 276 Resp: 30256
Ion Ratio Lower Upper
276 100
138 22.4 25.0 37.6#
277 25.5 20.1 30.1

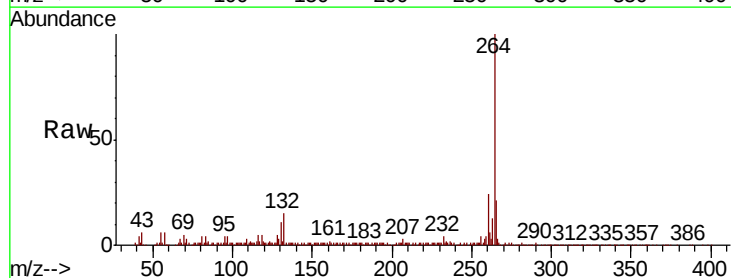


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

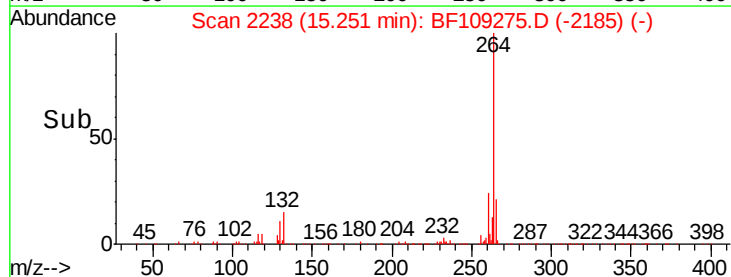
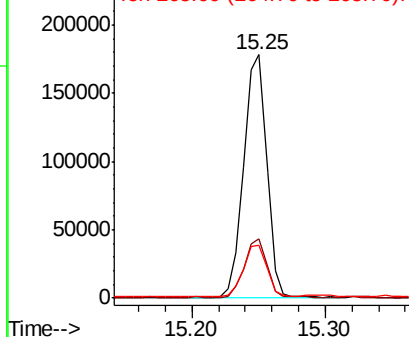


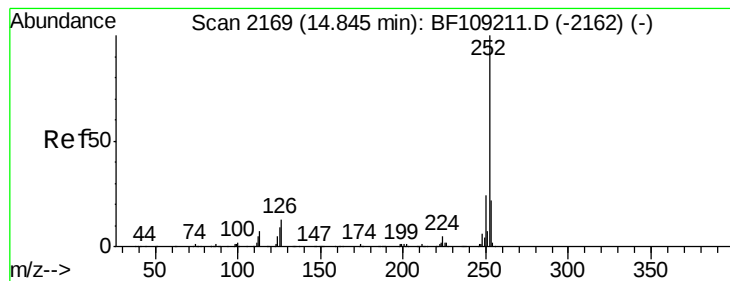
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109275.D
Acq: 24 Sep 2018 18:37

Tgt Ion: 264 Resp: 210942
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.5 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: 8.988 ng

RT: 14.85 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BF109275.D

Acq: 24 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

JC-02-092118-G

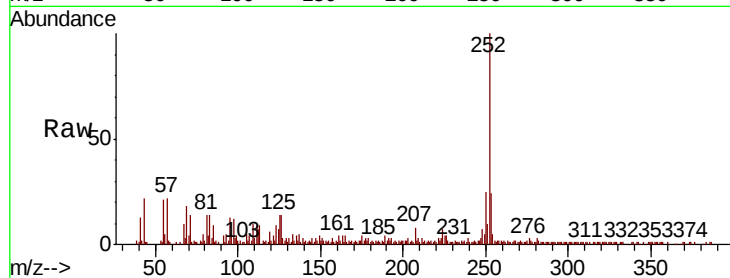
Tgt Ion:252 Resp: 104175

Ion Ratio Lower Upper

252 100

253 24.2 17.0 25.6

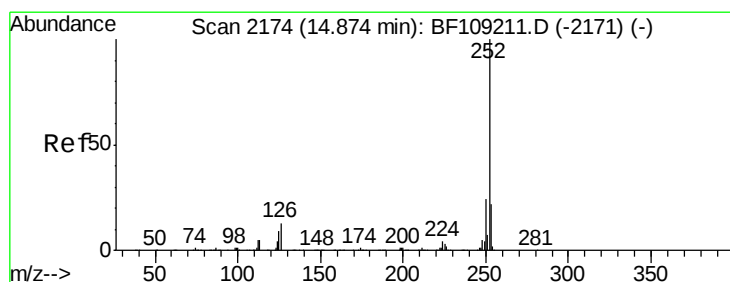
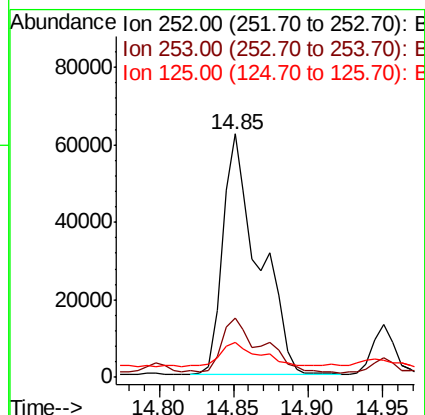
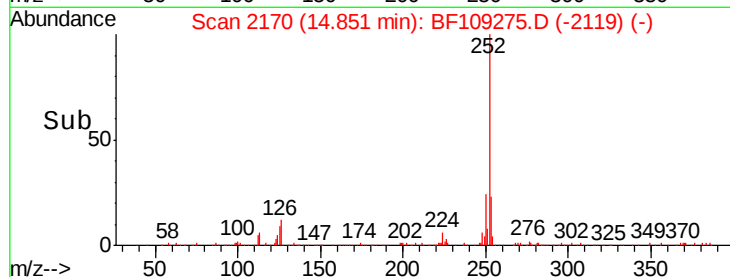
125 14.3 9.0 13.6#



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: 9.471 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.03 min

Lab File: BF109275.D

Acq: 24 Sep 2018 18:37

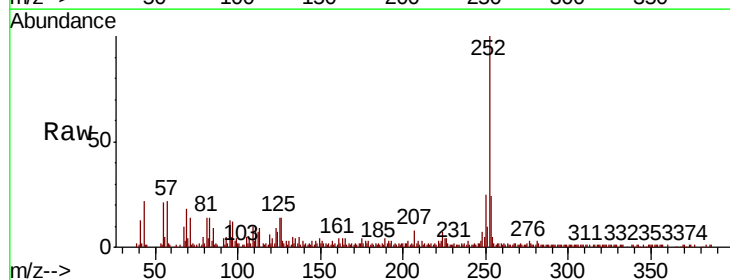
Tgt Ion:252 Resp: 104175

Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

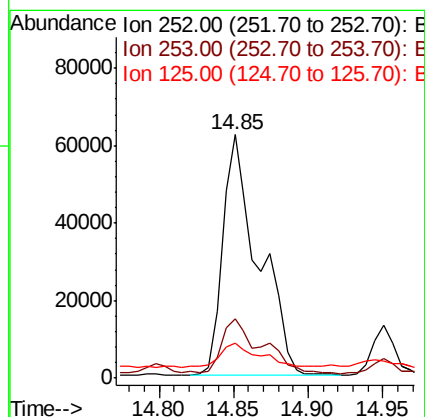
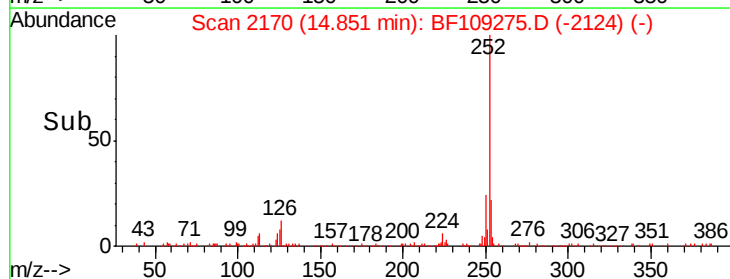
125 14.3 10.2 15.2

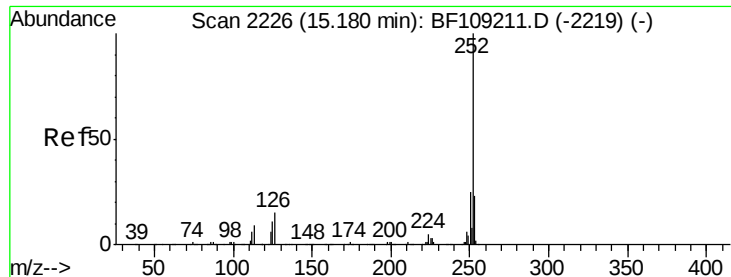


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.245 ng

RT: 15.19 min Scan# 2227

Delta R.T. 0.00 min

Lab File: BF109275.D

Acq: 24 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

JC-02-092118-G

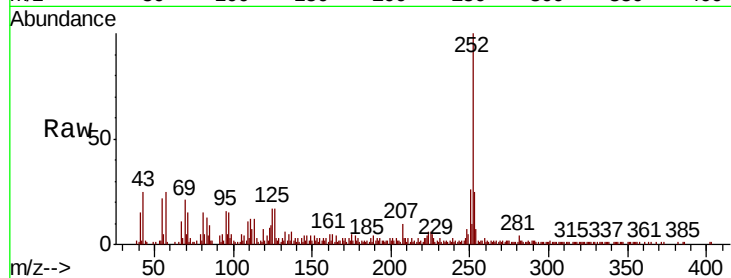
Tgt Ion:252 Resp: 54783

Ion Ratio Lower Upper

252 100

253 25.3 17.1 25.7

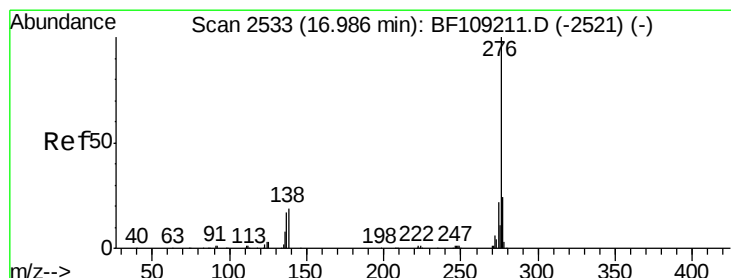
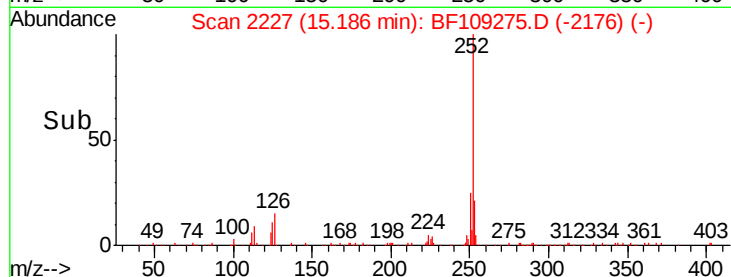
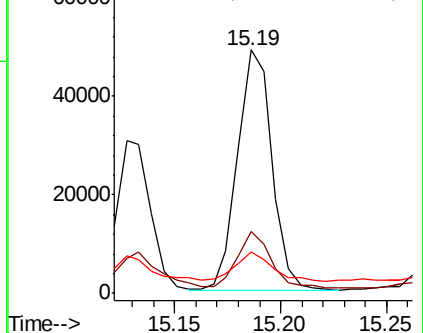
125 17.1 9.8 14.6#



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: 3.176 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.00 min

Lab File: BF109275.D

Acq: 24 Sep 2018 18:37

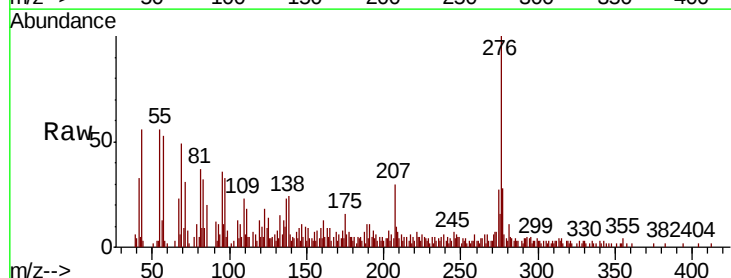
Tgt Ion:276 Resp: 26746

Ion Ratio Lower Upper

276 100

277 28.2 17.9 26.9#

138 23.5 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

