

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021219\
 Data File : BF112521.D
 Acq On : 12 Feb 2019 21:53
 Operator : JU/SJ
 Sample : K1343-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-B

Quant Time: Feb 13 03:41:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

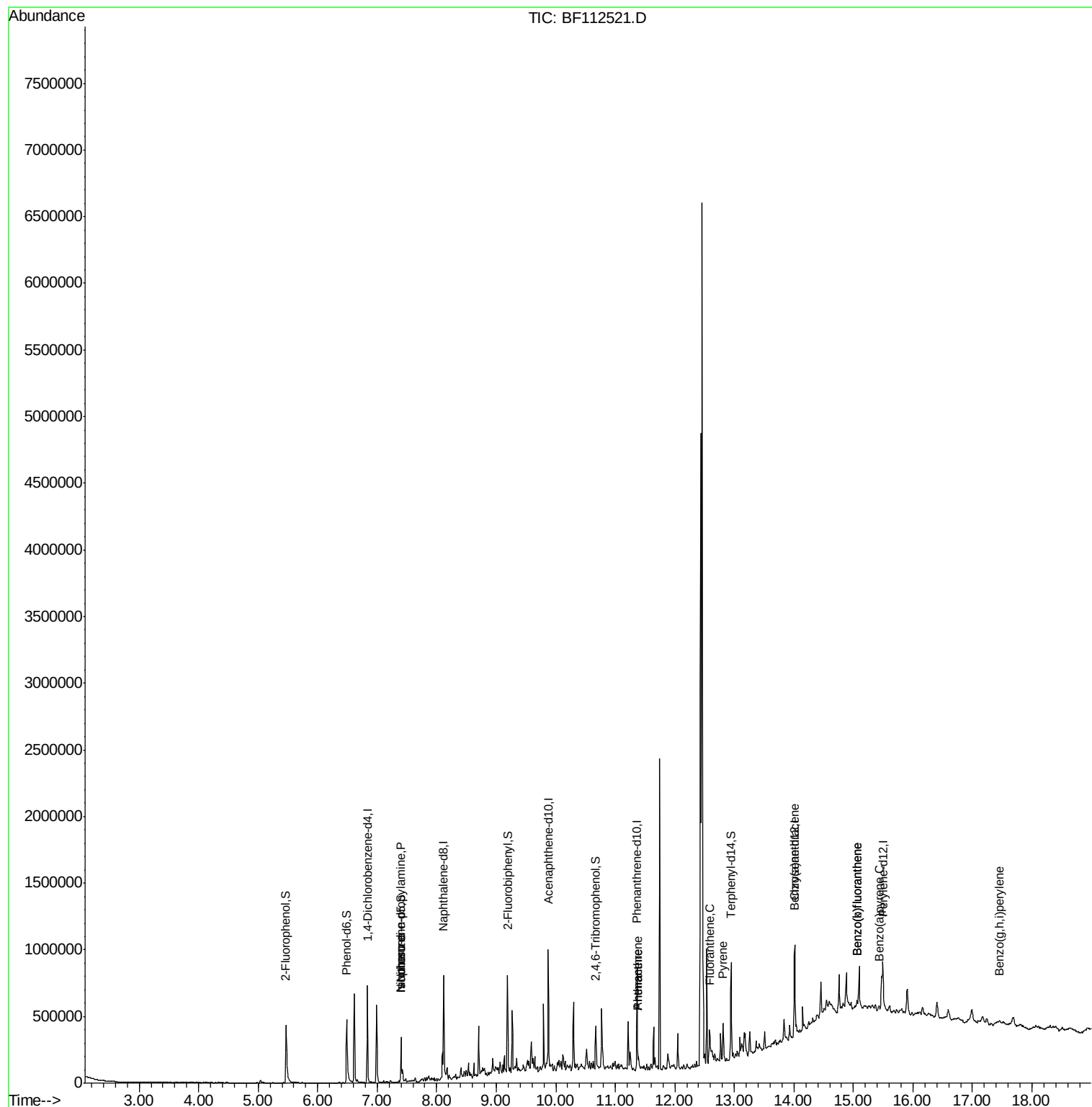
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	109307	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	396043	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	162471	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	274007	20.00	ng	0.00
76) Chrysene-d12	14.02	240	224323	20.00	ng	0.00
87) Perylene-d12	15.49	264	168282	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	179285	34.84	ng	-0.01
7) Phenol-d6	6.49	99	223055	31.19	ng	0.00
23) Nitrobenzene-d5	7.40	82	132387	19.26	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	44893	23.74	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	246783	21.48	ng	-0.01
79) Terphenyl-d14	12.94	244	216032	18.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	20168	4.090	ng	# 81
25) Isophorone	7.40	82	132386	12.277	ng	# 64
71) Phenanthrene	11.39	178	33579	2.357	ng	97
72) Anthracene	11.39	178	33579	2.366	ng	98
75) Fluoranthene	12.58	202	65363	4.278	ng	98
78) Pyrene	12.82	202	58037	3.737	ng	99
81) Benzo(a)anthracene	14.00	228	28250	2.142	ng	# 96
88) Benzo(b)fluoranthene	15.06	252	33332	3.312	ng	# 59
89) Benzo(k)fluoranthene	15.06	252	33332	3.458	ng	# 59
90) Benzo(a)pyrene	15.43	252	20770	2.294	ng	# 70
92) Benzo(g,h,i)perylene	17.46	276	15065	2.188	ng	# 76

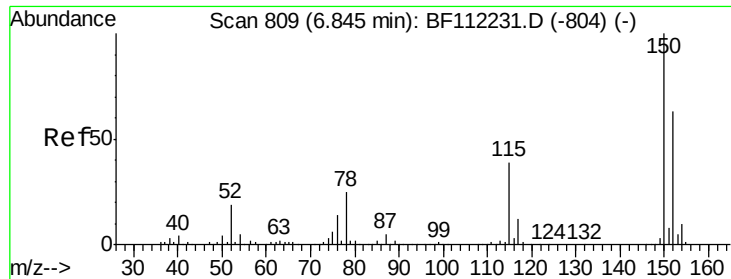
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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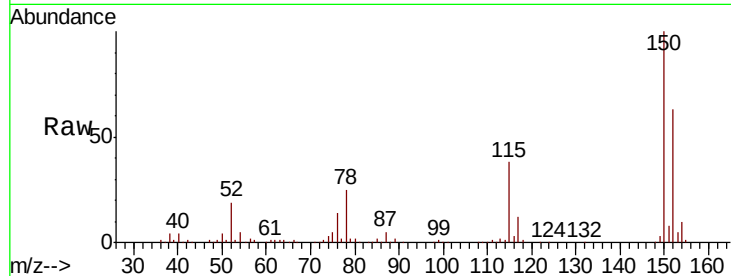


#1

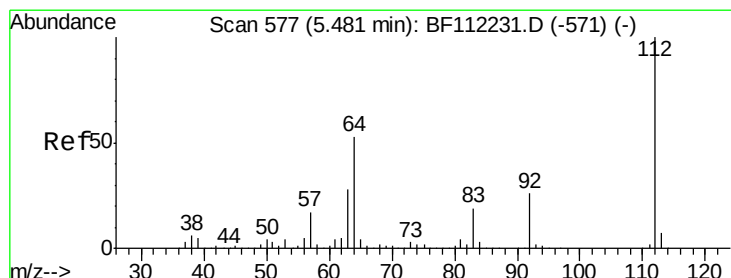
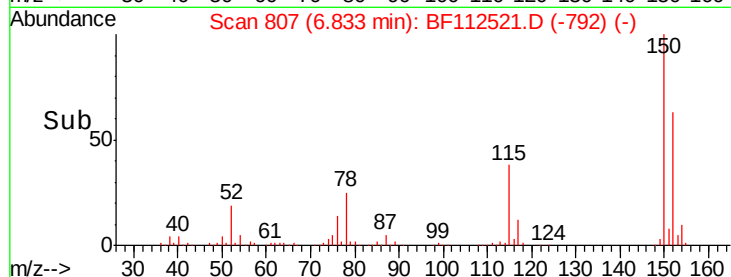
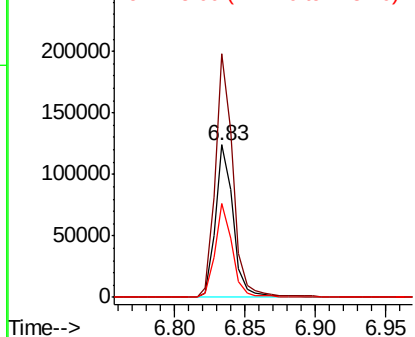
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-B

Tgt Ion:152 Resp: 109307
Ion Ratio Lower Upper
152 100
150 159.5 127.4 191.0
115 61.2 45.5 68.3



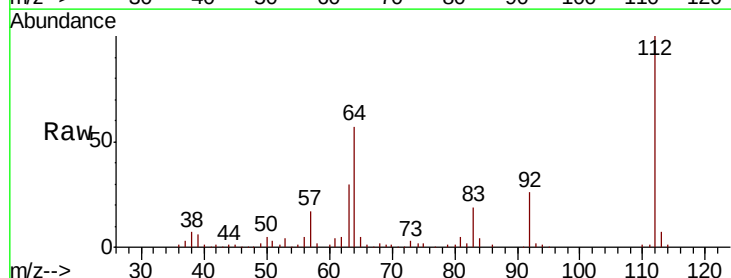
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



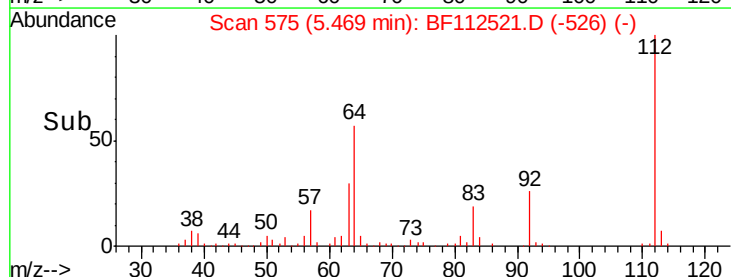
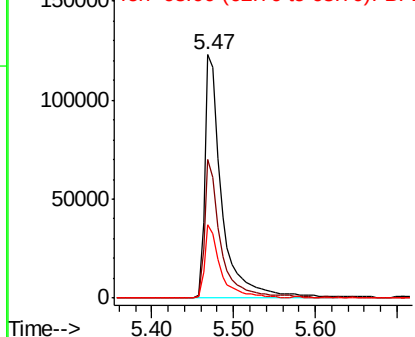
#5

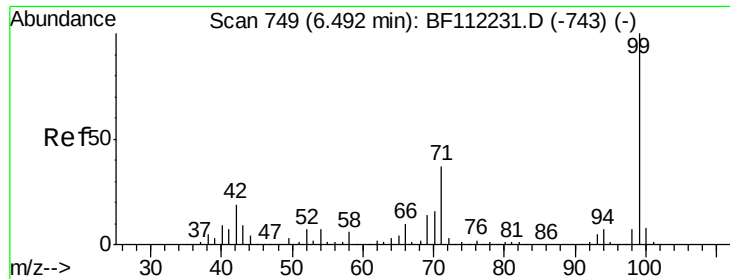
2-Fluorophenol
Concen: 34.839 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:112 Resp: 179285
Ion Ratio Lower Upper
112 100
64 57.1 45.7 68.5
63 30.3 23.6 35.4



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: 31.193 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112521.D

Acq: 12 Feb 2019 21:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-B

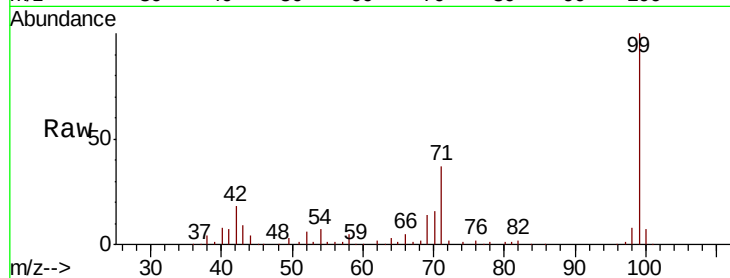
Tgt Ion: 99 Resp: 223055

Ion Ratio Lower Upper

99 100

42 17.8 15.1 22.7

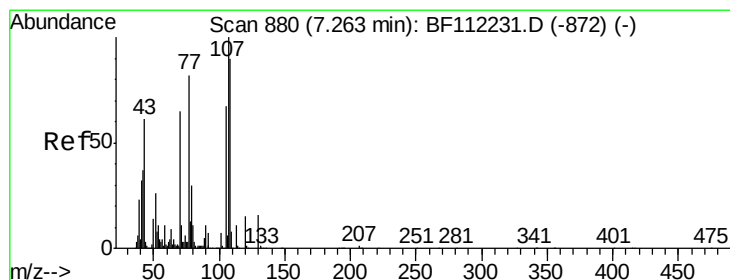
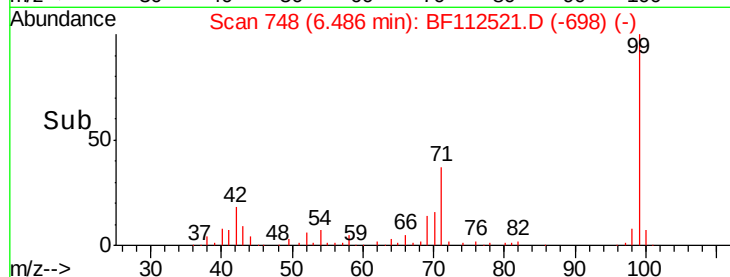
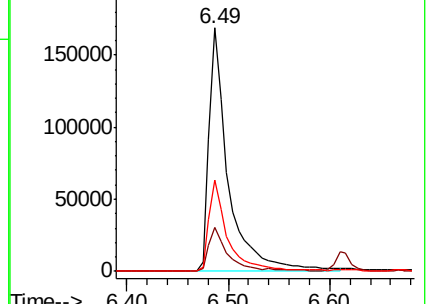
71 37.3 26.9 40.3



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: 4.090 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112521.D

Acq: 12 Feb 2019 21:53

Tgt Ion: 70 Resp: 20168

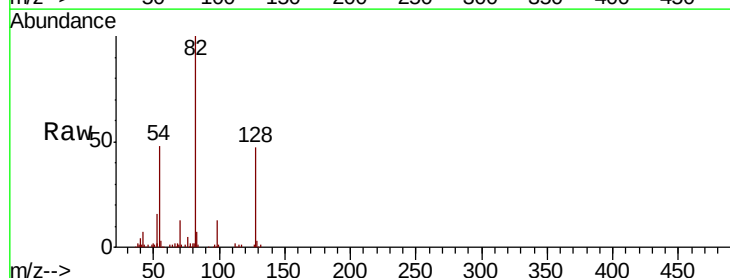
Ion Ratio Lower Upper

70 100

42 52.6 47.6 71.4

101 0.0 7.9 11.9#

130 2.3 18.4 27.6#

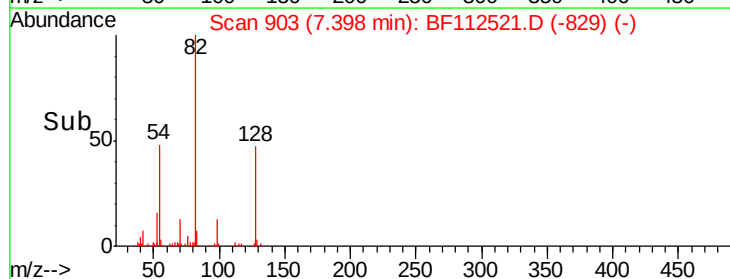
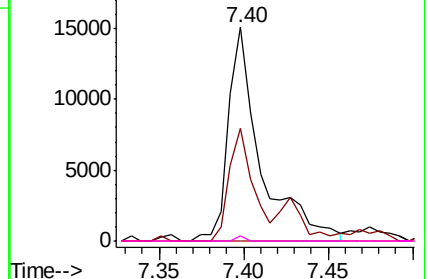


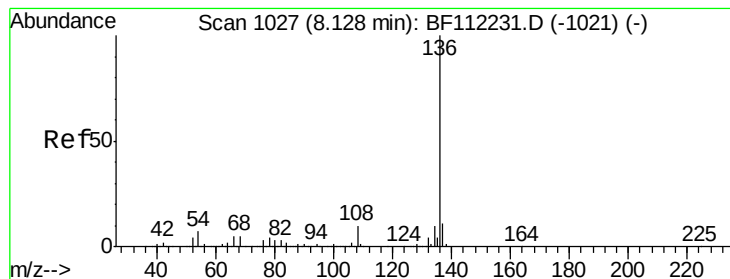
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112521.D

Acq: 12 Feb 2019 21:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-B

Tgt Ion: 136 Resp: 396043

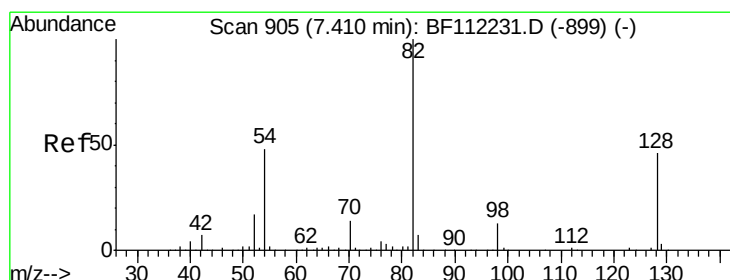
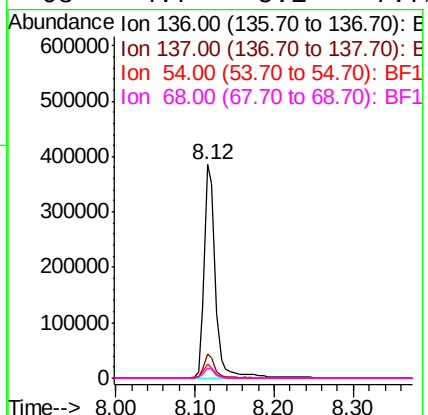
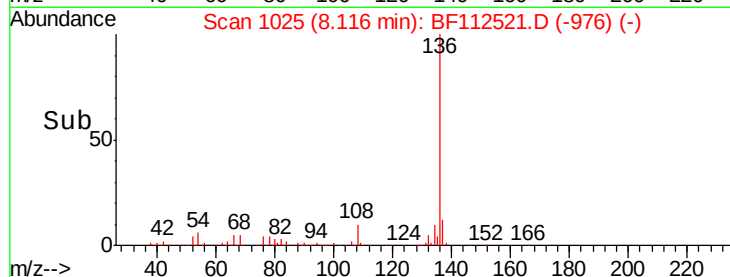
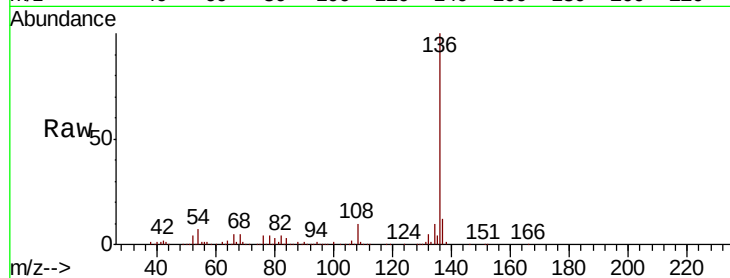
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 6.6 5.9 8.9

68 4.7 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 19.261 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112521.D

Acq: 12 Feb 2019 21:53

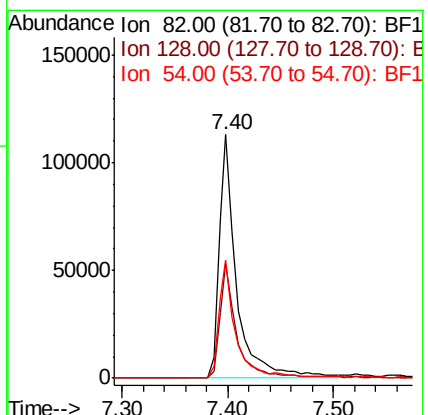
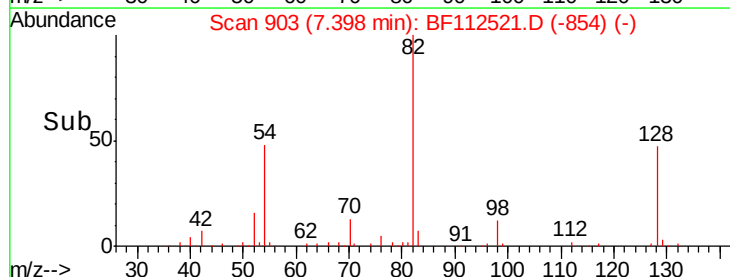
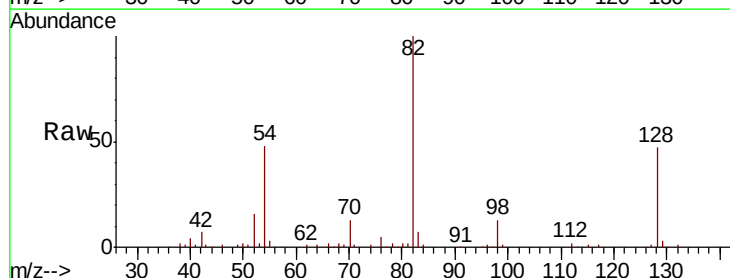
Tgt Ion: 82 Resp: 132387

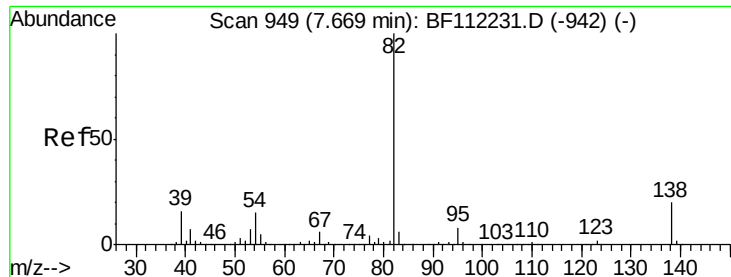
Ion Ratio Lower Upper

82 100

128 47.0 37.8 56.8

54 48.3 39.7 59.5





#25

Isophorone

Concen: 12.277 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112521.D

Acq: 12 Feb 2019 21:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-B

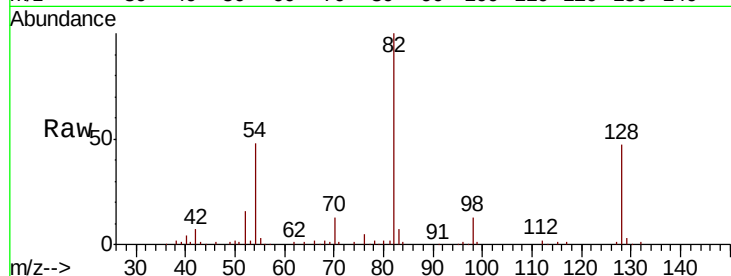
Tgt Ion: 82 Resp: 132386

Ion Ratio Lower Upper

82 100

95 0.3 5.7 8.5#

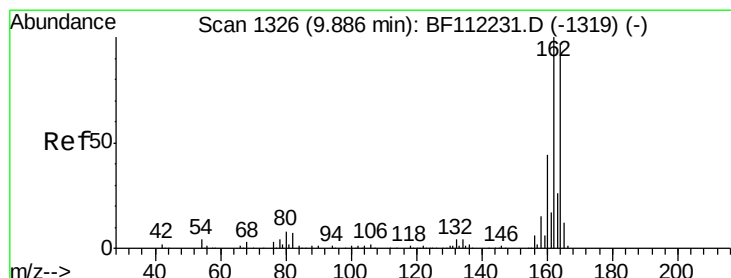
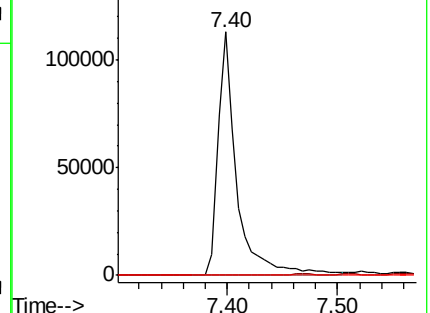
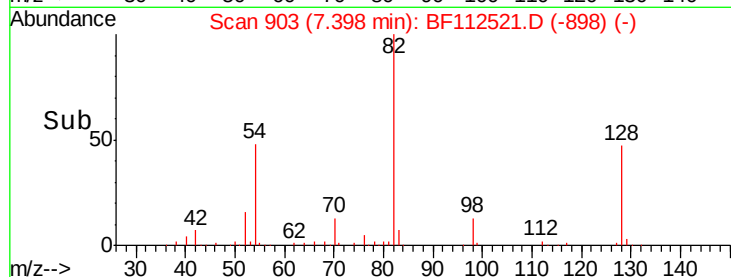
138 0.0 15.4 23.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112521.D

Acq: 12 Feb 2019 21:53

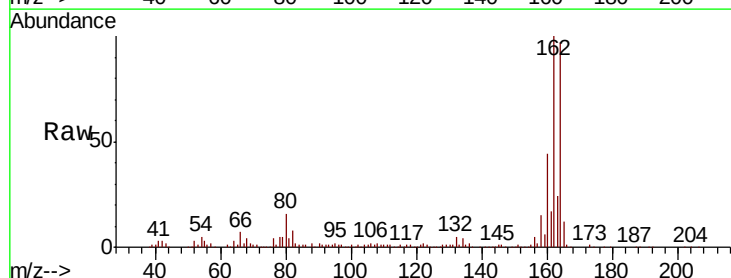
Tgt Ion: 164 Resp: 162471

Ion Ratio Lower Upper

164 100

162 103.4 82.2 123.4

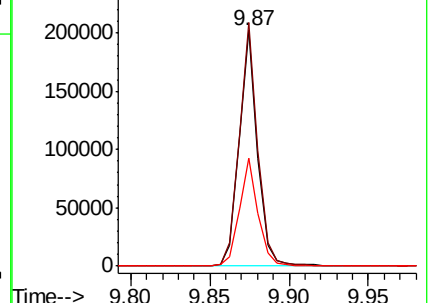
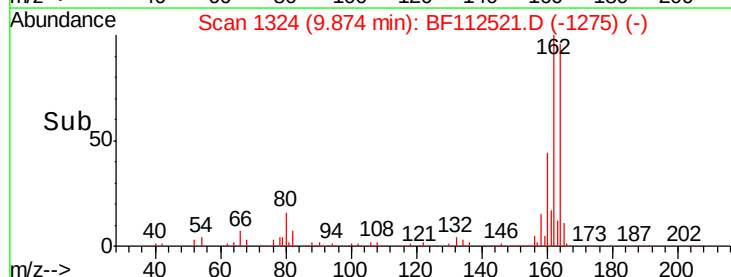
160 45.7 36.2 54.4

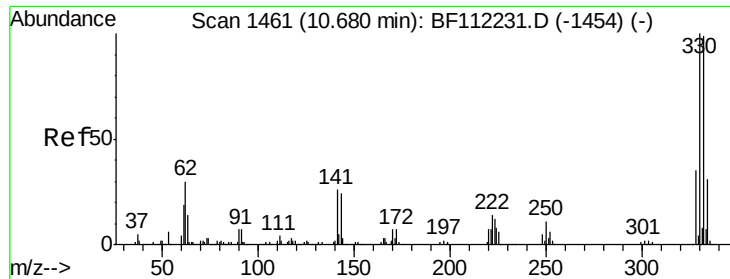


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

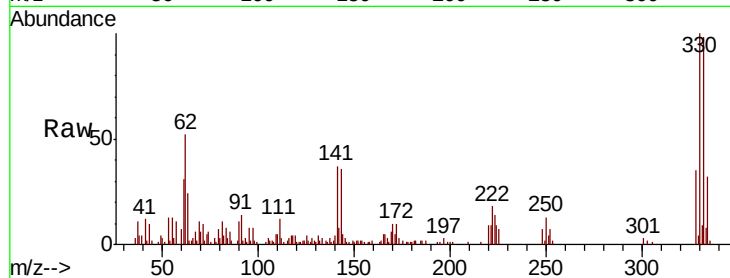




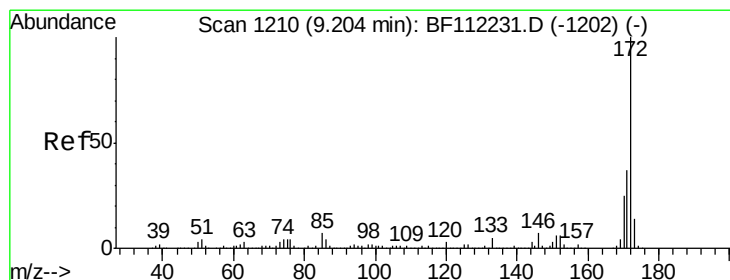
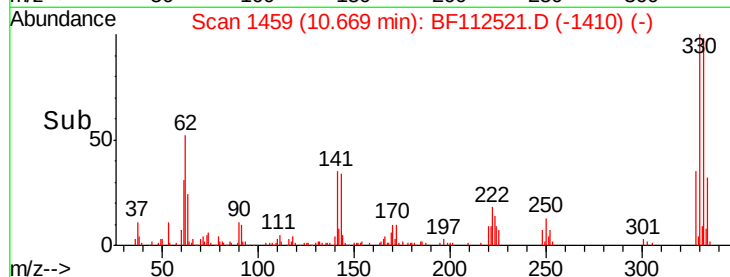
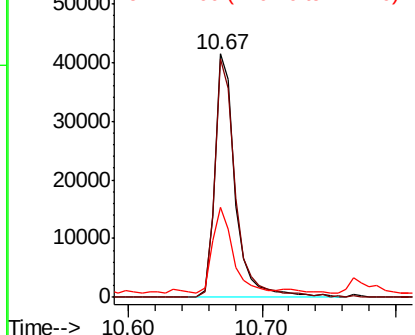
#42
 2,4,6-Tribromophenol
 Concen: 23.739 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112521.D
 Acq: 12 Feb 2019 21:53

Instrument :
 BNA_F
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 JC-02-021119-B

Tgt Ion:330 Resp: 44893
 Ion Ratio Lower Upper
 330 100
 332 99.5 76.6 114.8
 141 35.7 24.3 36.5

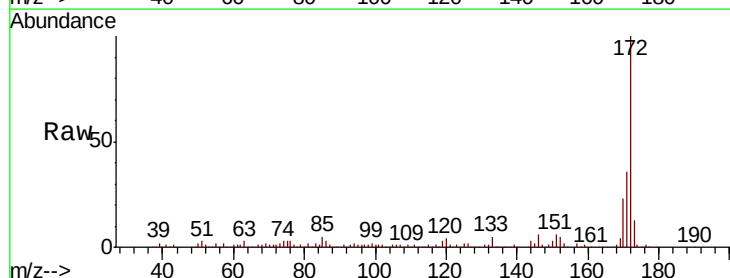


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

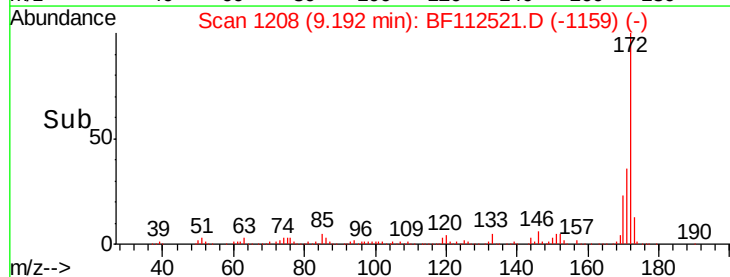
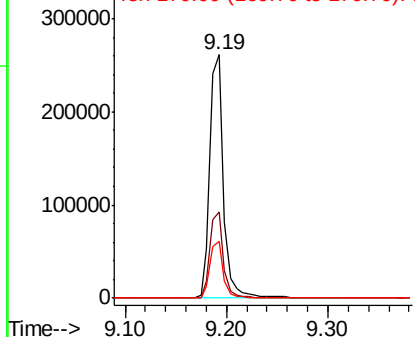


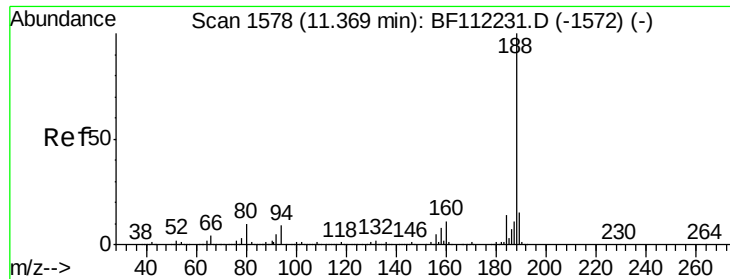
#45
 2-Fluorobiphenyl
 Concen: 21.483 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112521.D
 Acq: 12 Feb 2019 21:53

Tgt Ion:172 Resp: 246783
 Ion Ratio Lower Upper
 172 100
 171 35.6 30.5 45.7
 170 23.5 20.2 30.4



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

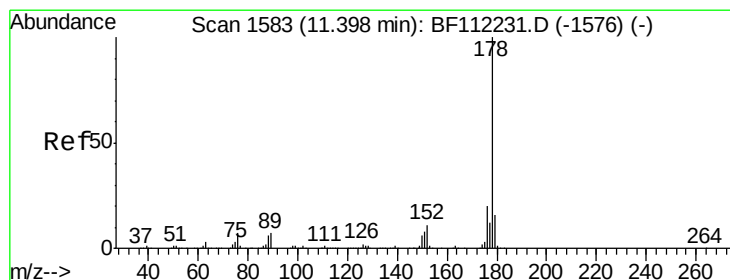
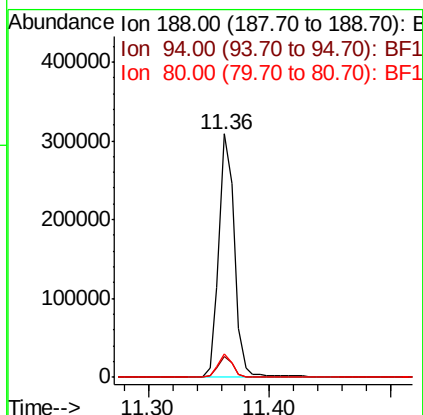
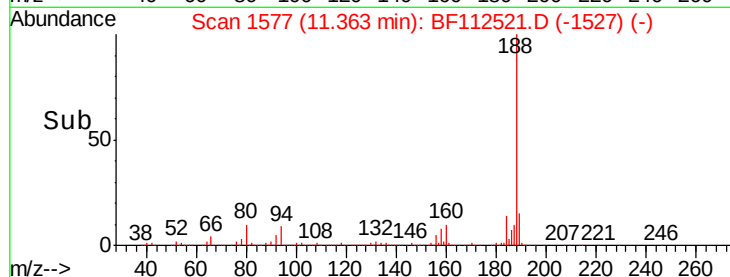
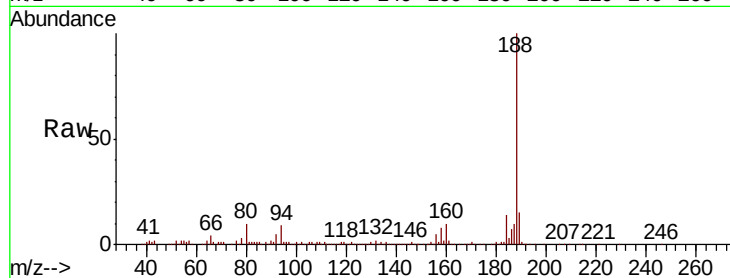




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

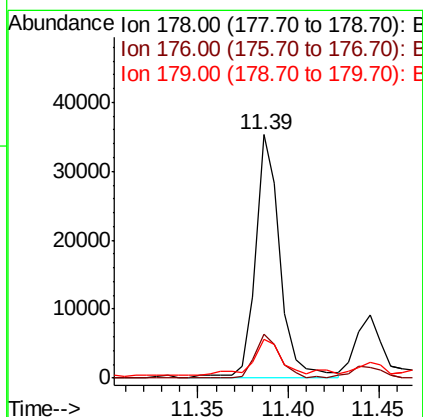
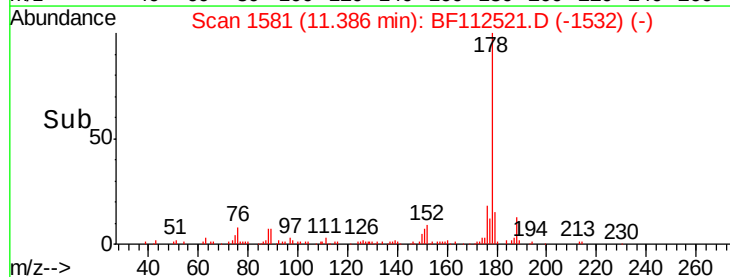
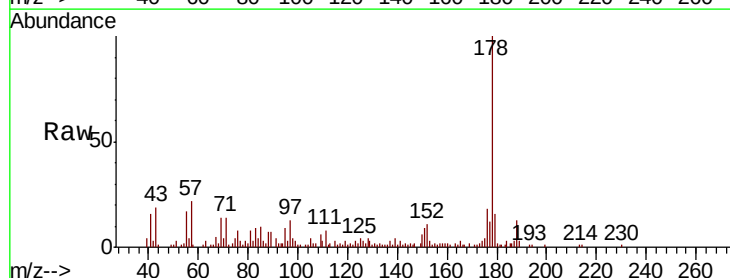
Instrument :
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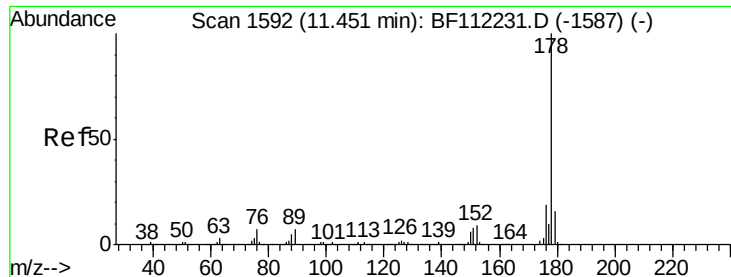
Tgt Ion:188 Resp: 274007
Ion Ratio Lower Upper
188 100
94 8.8 8.2 12.2
80 9.8 8.9 13.3



#71
Phenanthrene
Concen: 2.357 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion:178 Resp: 33579
Ion Ratio Lower Upper
178 100
176 17.9 16.3 24.5
179 15.8 13.0 19.4





#72

Anthracene

Concen: 2.366 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.06 min

Lab File: BF112521.D

Acq: 12 Feb 2019 21:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-B

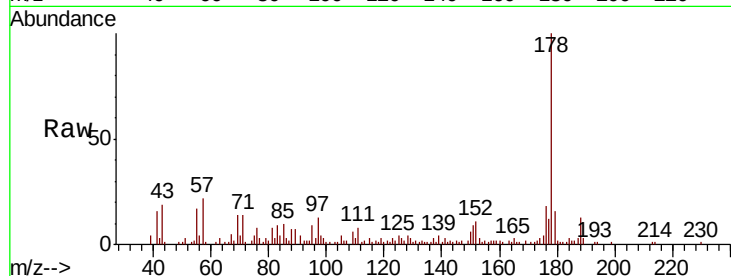
Tgt Ion:178 Resp: 33579

Ion Ratio Lower Upper

178 100

176 17.9 15.5 23.3

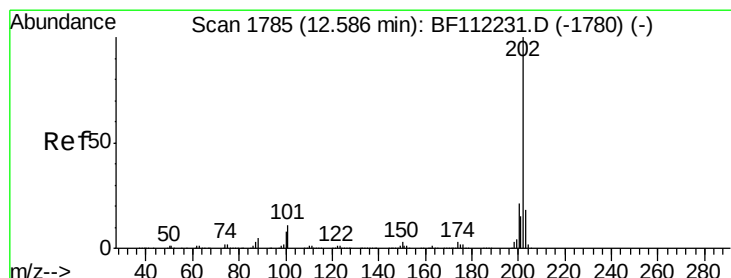
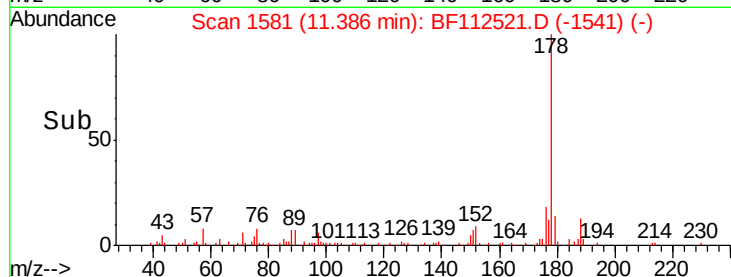
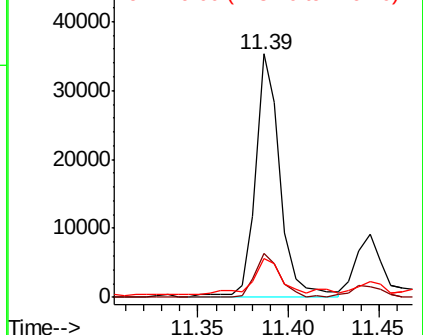
179 15.8 12.8 19.2



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



#75

Fluoranthene

Concen: 4.278 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112521.D

Acq: 12 Feb 2019 21:53

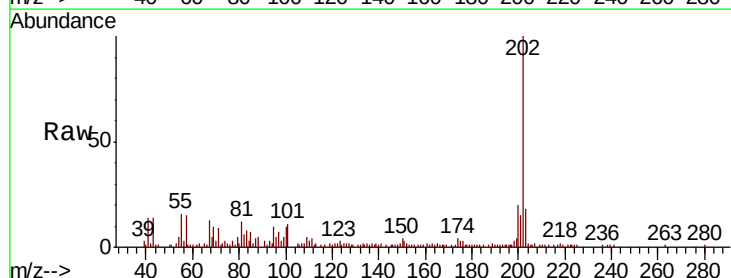
Tgt Ion:202 Resp: 65363

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.8

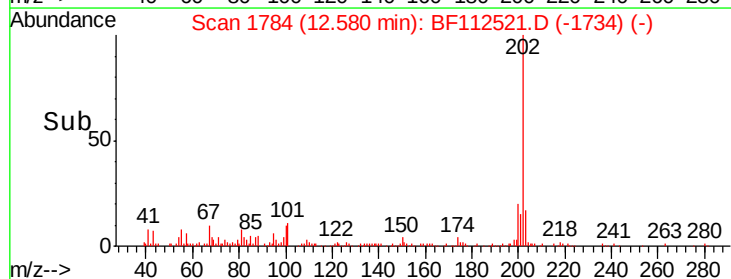
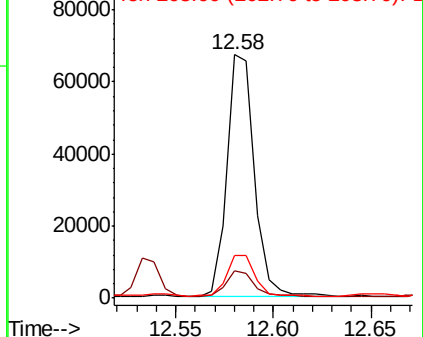
203 17.6 0.0 38.4

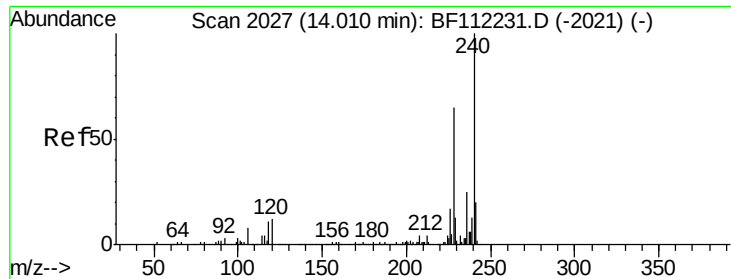


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF112521.D

Acq: 12 Feb 2019 21:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-B

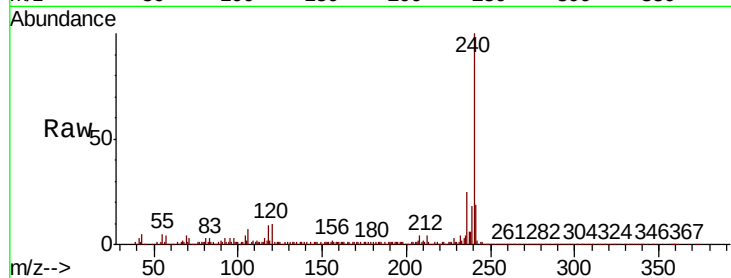
Tgt Ion:240 Resp: 224323

Ion Ratio Lower Upper

240 100

120 10.2 9.0 13.6

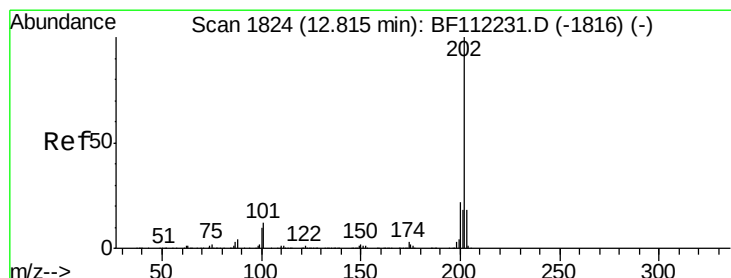
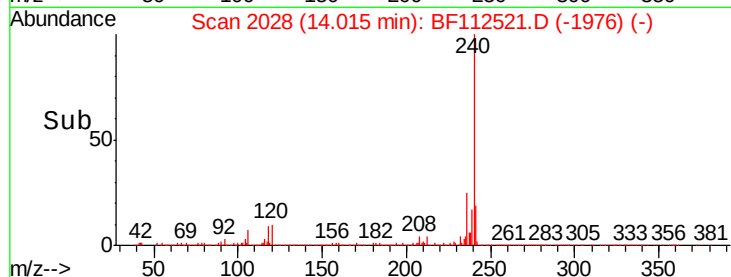
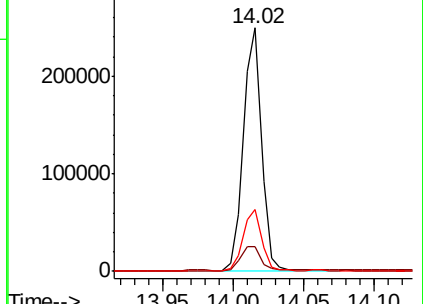
236 25.4 20.7 31.1



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



#78

Pyrene

Concen: 3.737 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF112521.D

Acq: 12 Feb 2019 21:53

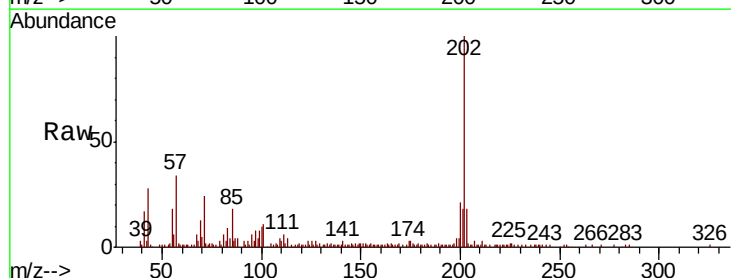
Tgt Ion:202 Resp: 58037

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

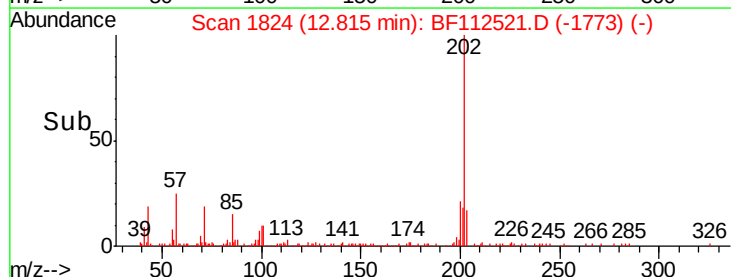
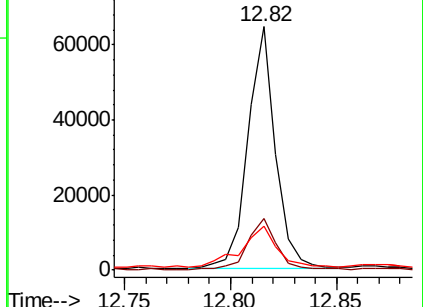
203 18.1 14.6 22.0

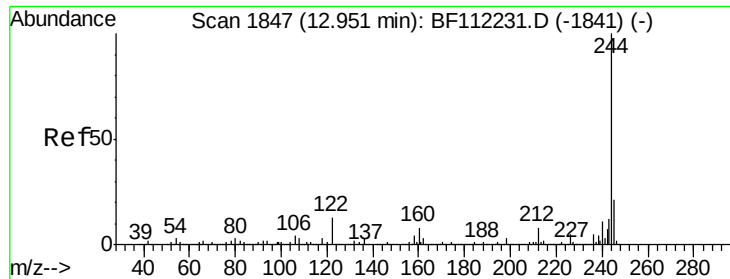


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 18.138 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112521.D

Acq: 12 Feb 2019 21:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-B

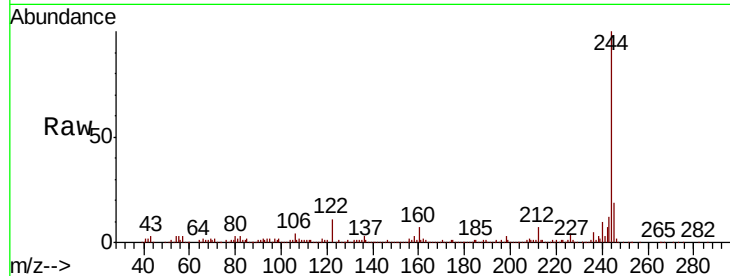
Tgt Ion:244 Resp: 216032

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

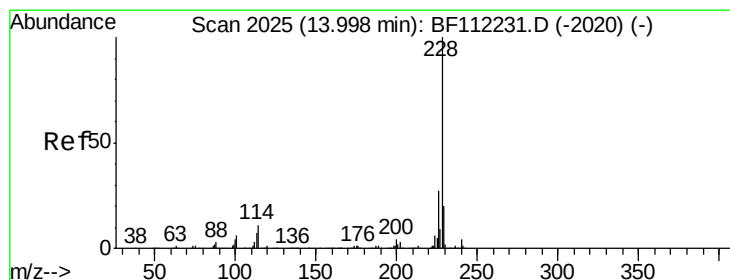
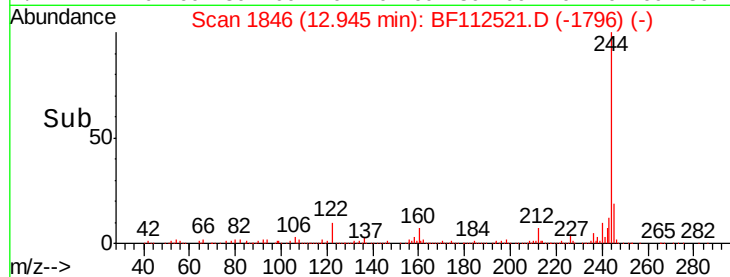
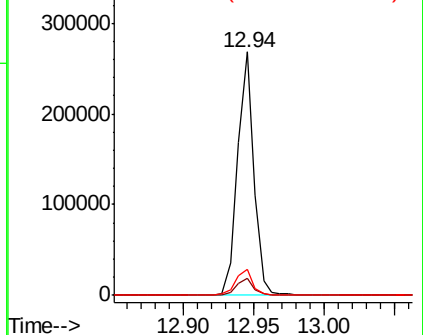
122 10.6 9.8 14.6



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



#81

Benzo(a)anthracene

Concen: 2.142 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF112521.D

Acq: 12 Feb 2019 21:53

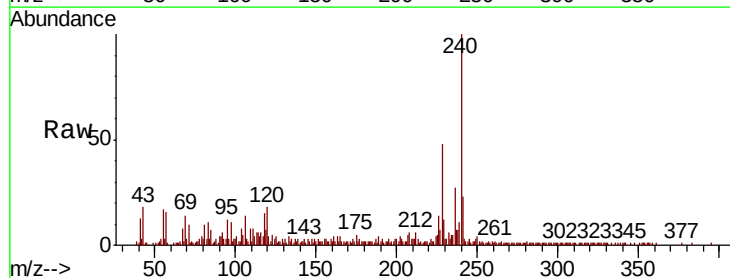
Tgt Ion:228 Resp: 28250

Ion Ratio Lower Upper

228 100

226 28.2 22.6 34.0

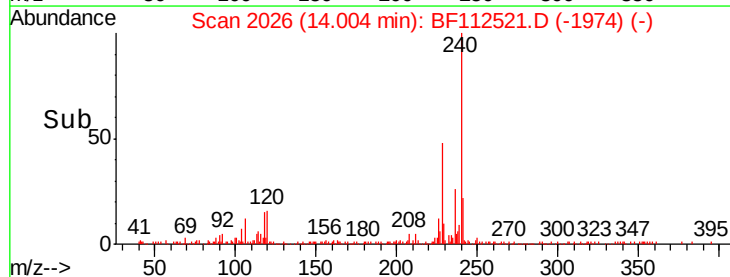
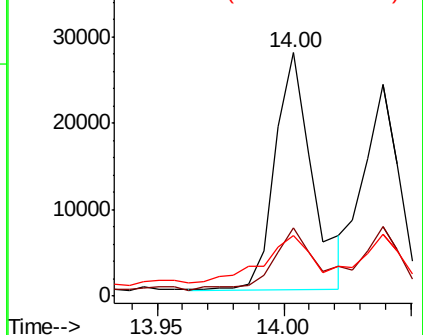
229 25.1 16.5 24.7#

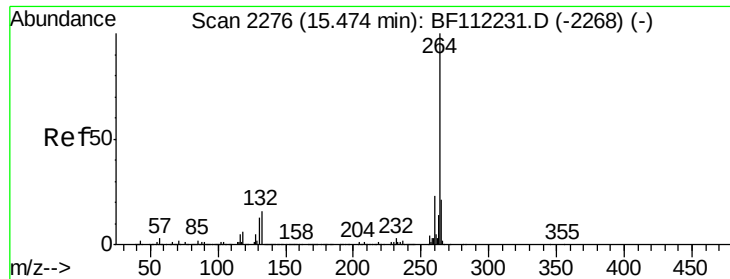


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

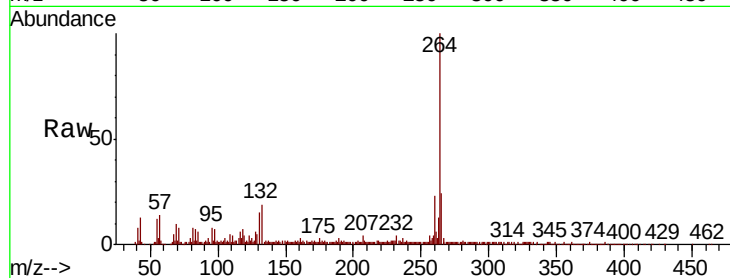




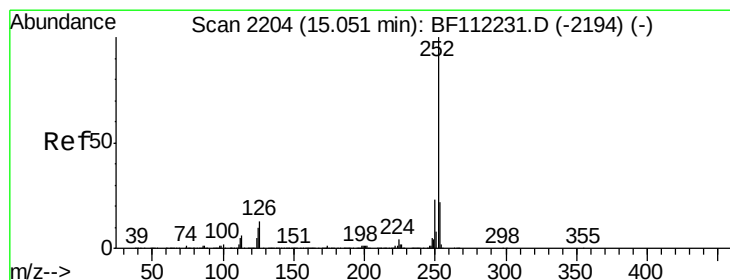
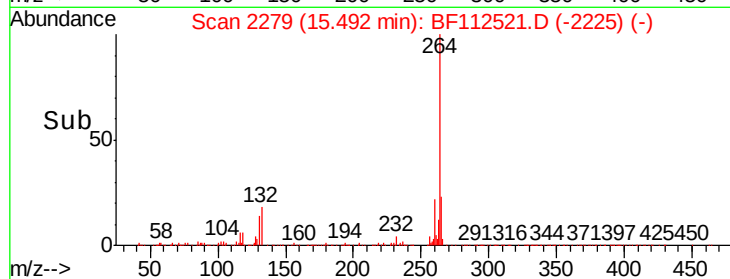
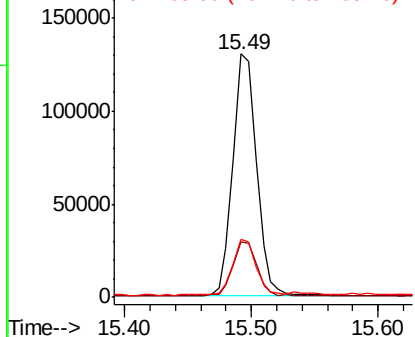
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.2
265	23.9	17.0	25.4

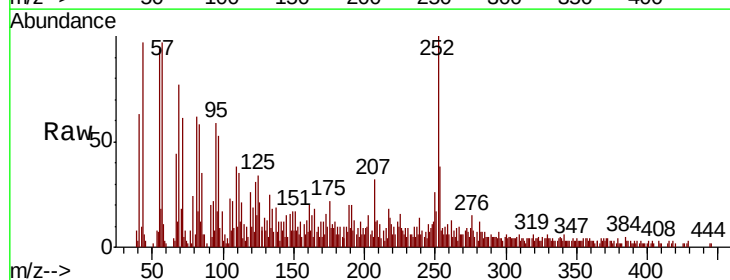


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

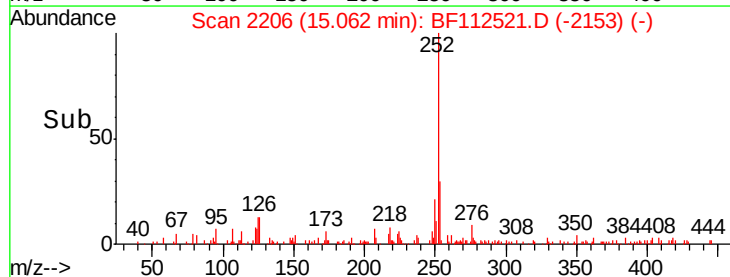
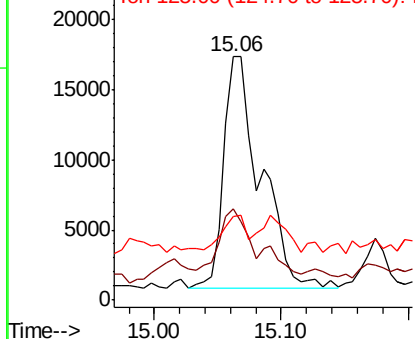


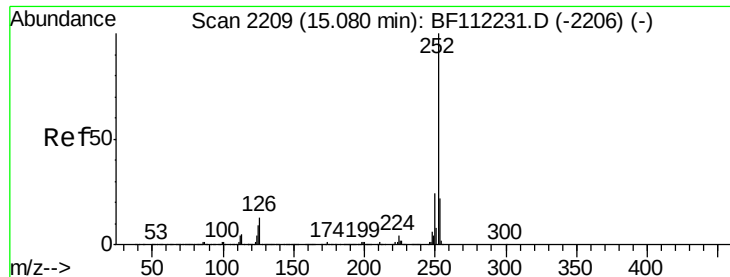
#88
Benzo(b)fluoranthene
Concen: 3.312 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.6	18.0	27.0#
125	34.1	8.7	13.1#



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

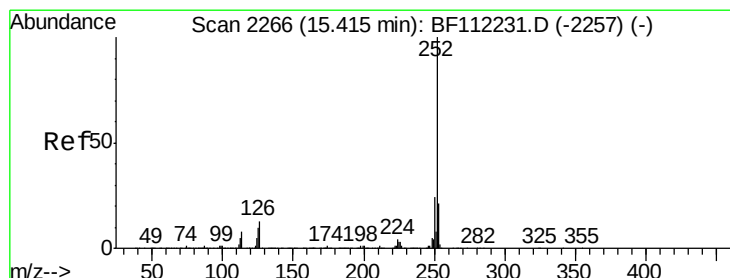
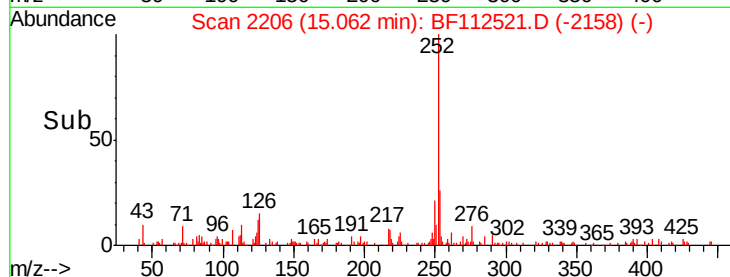
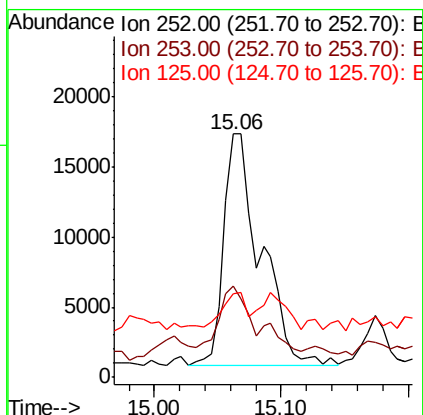
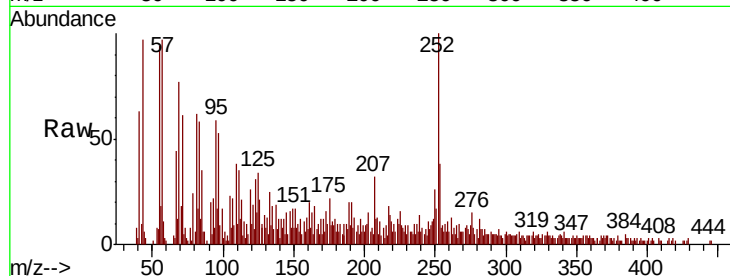




#89
Benzo(k)fluoranthene
Concen: 3.458 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

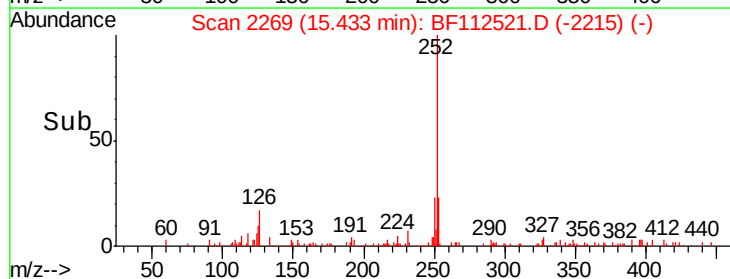
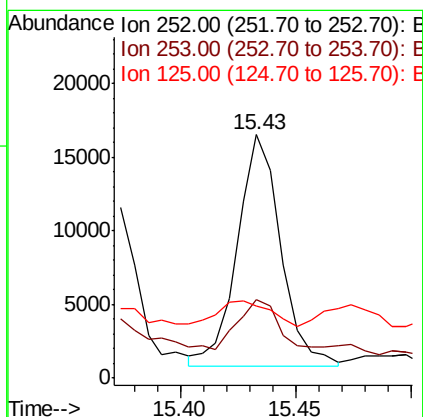
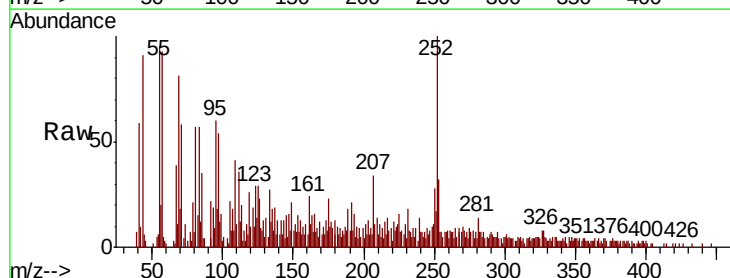
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-B

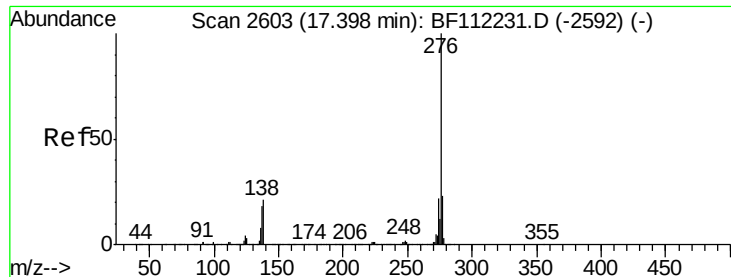
Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.6	18.0	27.0#
125	34.1	9.1	13.7#



#90
Benzo(a)pyrene
Concen: 2.294 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112521.D
Acq: 12 Feb 2019 21:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.1	17.5	26.3#
125	29.4	9.0	13.4#





#92

Benzo(g,h,i)perylene

Concen: 2.188 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.06 min

Lab File: BF112521.D

Acq: 12 Feb 2019 21:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-B

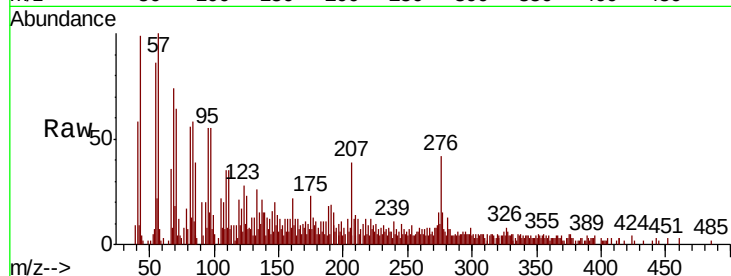
Tgt Ion: 276 Resp: 15065

Ion Ratio Lower Upper

276 100

277 36.8 19.4 29.0#

138 35.4 19.1 28.7#



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

