

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021219\
 Data File : BF112519.D
 Acq On : 12 Feb 2019 20:56
 Operator : JU/SJ
 Sample : K1343-23 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Feb 13 03:40:47 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

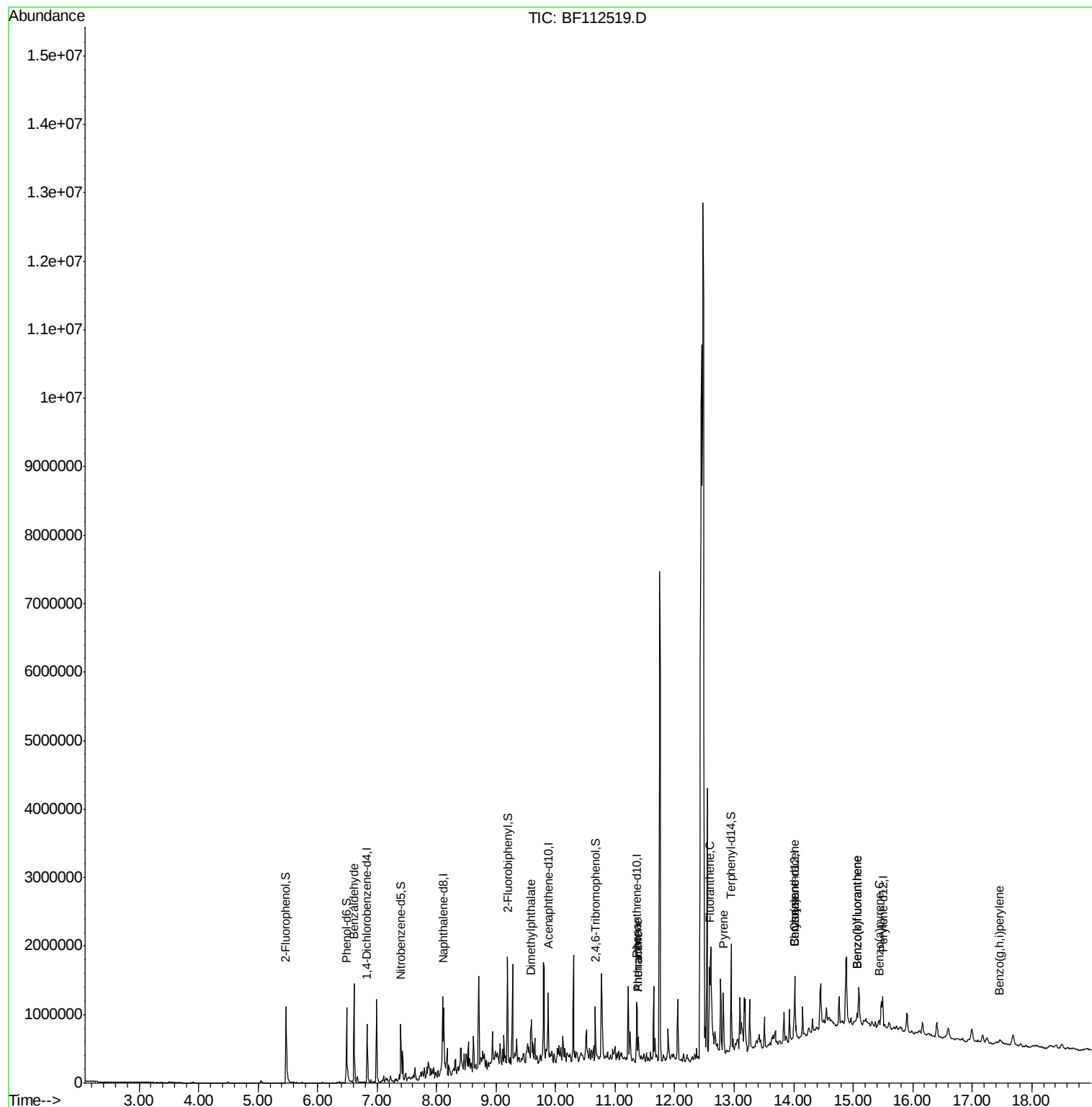
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	124967	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	435962	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	175265	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	316153	20.00	ng	0.00
76) Chrysene-d12	14.02	240	273163	20.00	ng	0.00
87) Perylene-d12	15.50	264	191939	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	371472	63.14	ng	-0.01
7) Phenol-d6	6.49	99	446691	54.64	ng	0.00
23) Nitrobenzene-d5	7.40	82	259580	34.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	97101	47.60	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	468324	37.79	ng	-0.01
79) Terphenyl-d14	12.95	244	486255	33.53	ng	0.00
Target Compounds						
9) Benzaldehyde	6.61	77	9205	2.154	ng	Qvalue 84
50) Dimethylphthalate	9.59	163	42371	3.112	ng	# 94
71) Phenanthrene	11.39	178	113048	6.878	ng	98
72) Anthracene	11.39	178	113048	6.905	ng	99
75) Fluoranthene	12.59	202	171444	9.725	ng	99
78) Pyrene	12.82	202	163059	8.622	ng	97
81) Benzo(a)anthracene	14.00	228	68042	4.237	ng	95
83) Chrysene	14.00	228	68042	4.439	ng	96
88) Benzo(b)fluoranthene	15.06	252	81324	7.085	ng	# 68
89) Benzo(k)fluoranthene	15.06	252	81324	7.396	ng	# 69
90) Benzo(a)pyrene	15.44	252	41928	4.059	ng	# 80
92) Benzo(g,h,i)perylene	17.46	276	23633	3.009	ng	# 82

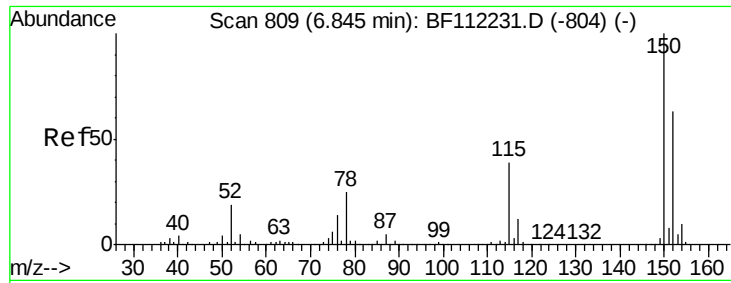
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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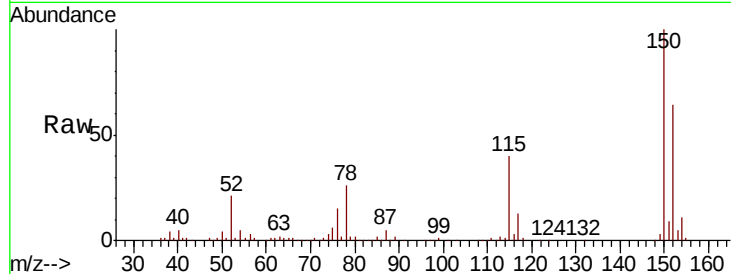


#1

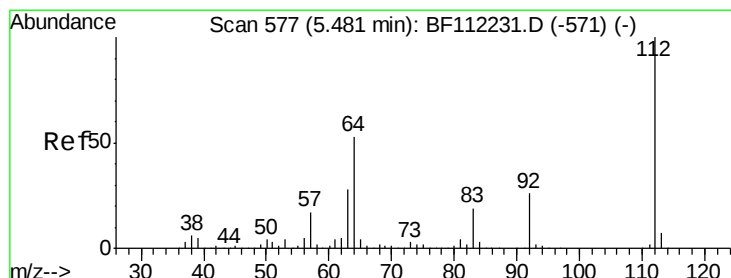
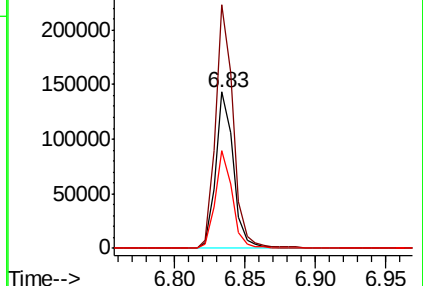
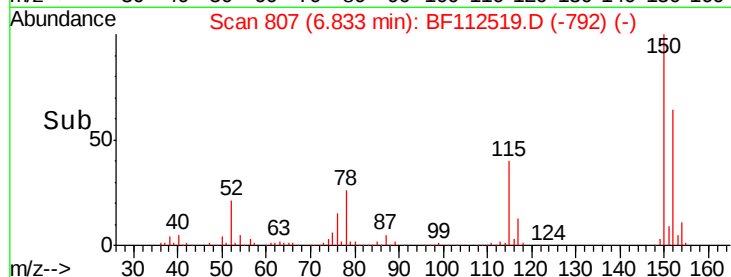
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112519.D
 Acq: 12 Feb 2019 20:56

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

Tgt Ion:152 Resp: 124967
 Ion Ratio Lower Upper
 152 100
 150 155.8 127.4 191.0
 115 62.8 45.5 68.3



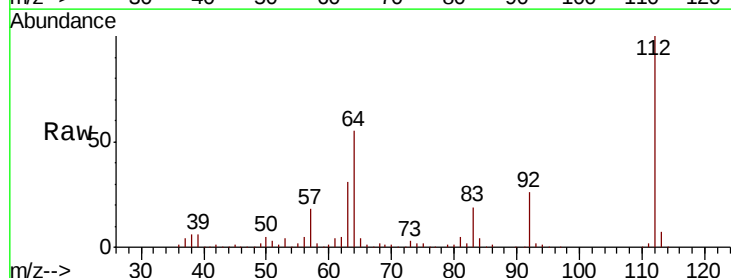
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



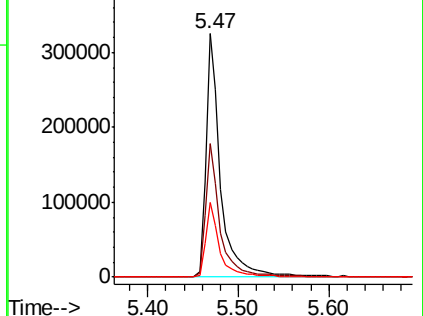
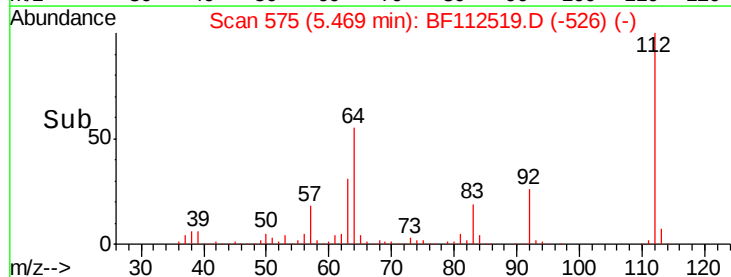
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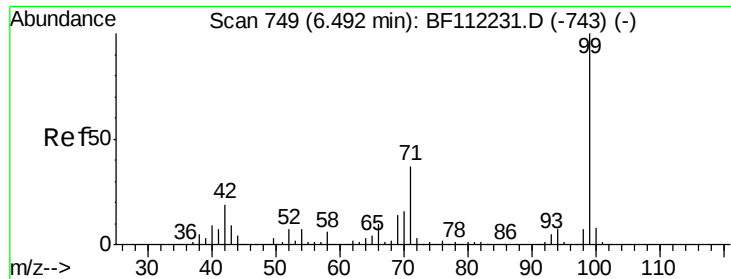
2-Fluorophenol
 Concen: 63.139 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF112519.D
 Acq: 12 Feb 2019 20:56

Tgt Ion:112 Resp: 371472
 Ion Ratio Lower Upper
 112 100
 64 54.6 45.7 68.5
 63 30.7 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: 54.639 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112519.D

Acq: 12 Feb 2019 20:56

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-L

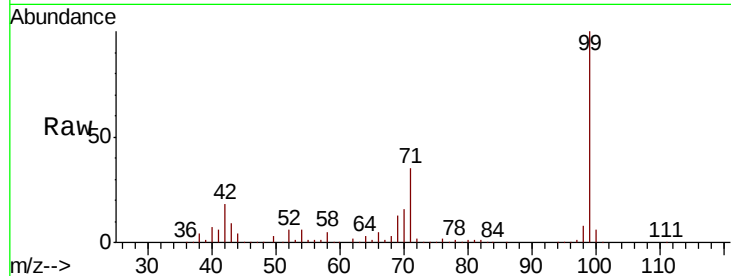
Tgt Ion: 99 Resp: 446691

Ion Ratio Lower Upper

99 100

42 17.6 15.1 22.7

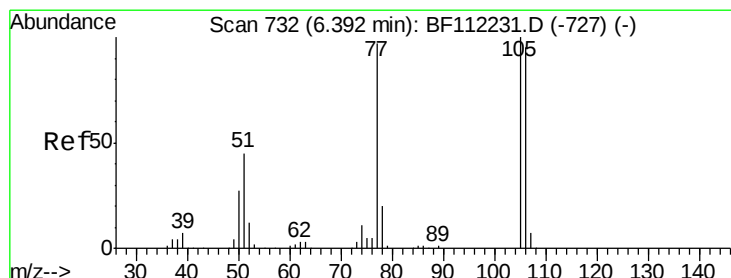
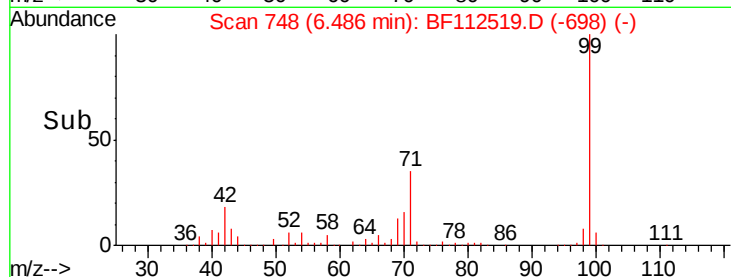
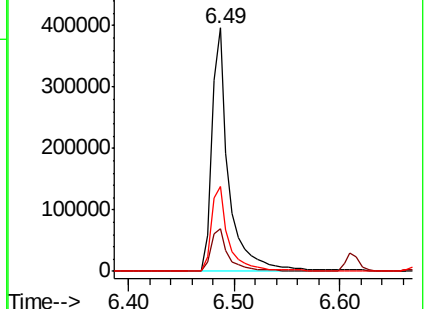
71 34.8 26.9 40.3



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



#9

Benzaldehyde

Concen: 2.154 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.22 min

Lab File: BF112519.D

Acq: 12 Feb 2019 20:56

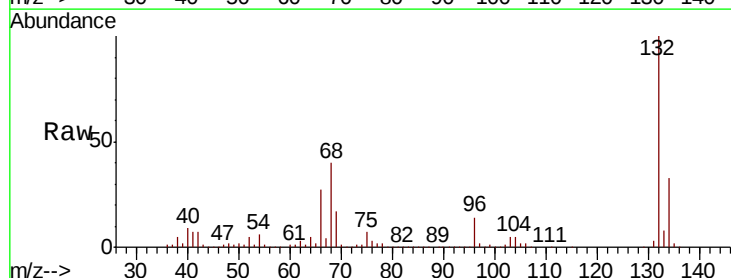
Tgt Ion: 77 Resp: 9205

Ion Ratio Lower Upper

77 100

105 88.0 80.8 120.8

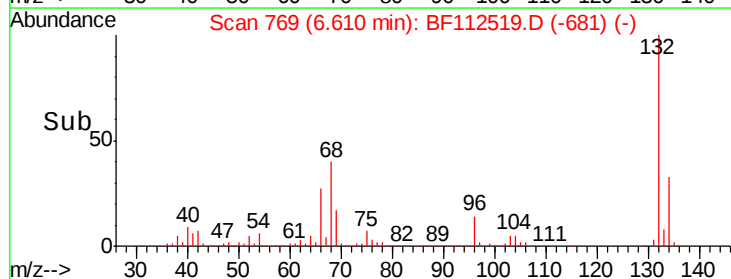
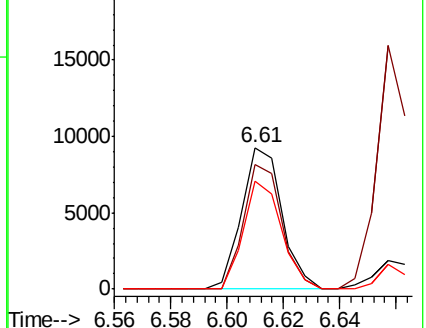
106 75.8 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

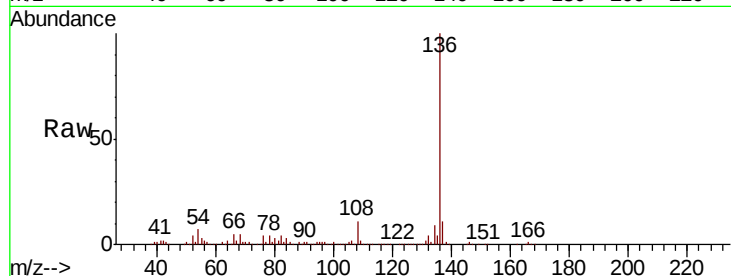




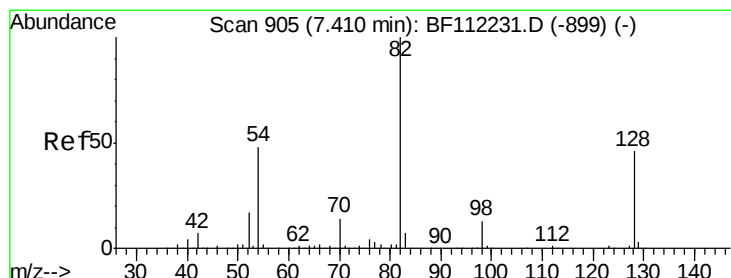
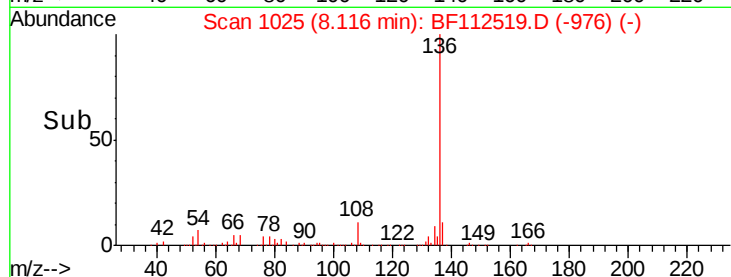
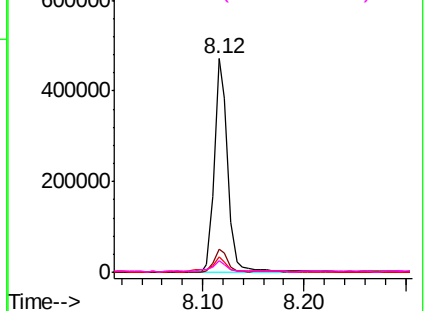
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112519.D
Acq: 12 Feb 2019 20:56

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

Tgt Ion:	136	Resp:	435962
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.9	5.9	8.9
68	5.1	5.1	7.7

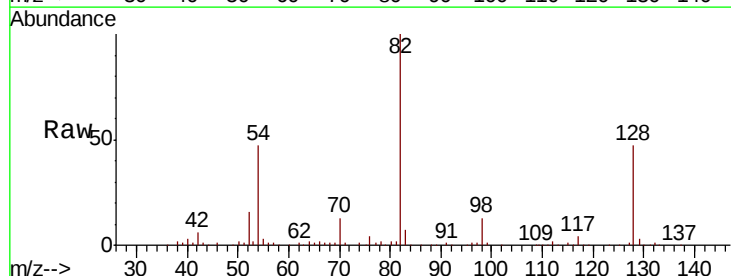


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

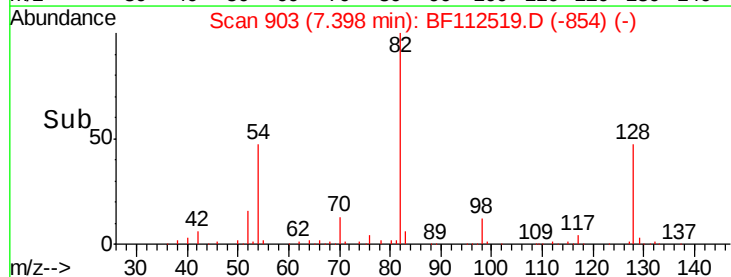
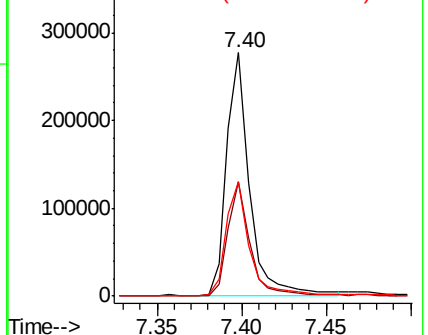


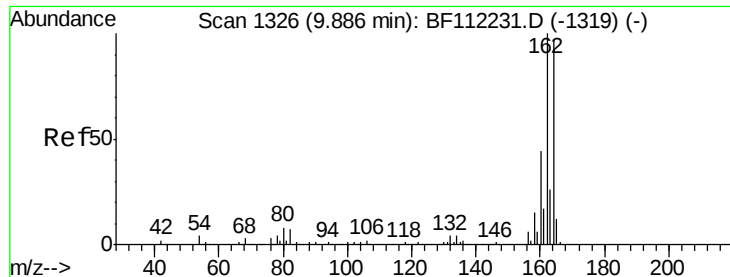
#23
Nitrobenzene-d5
Concen: 34.308 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112519.D
Acq: 12 Feb 2019 20:56

Tgt Ion:	82	Resp:	259580
Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.8	56.8
54	47.2	39.7	59.5



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

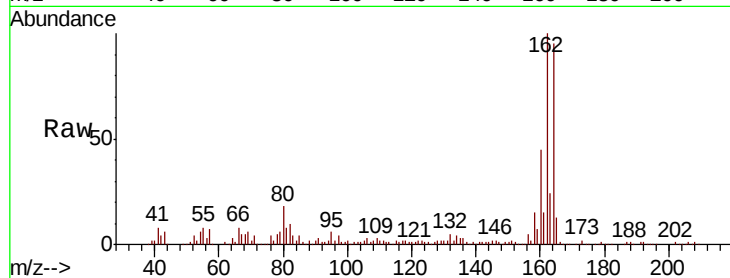




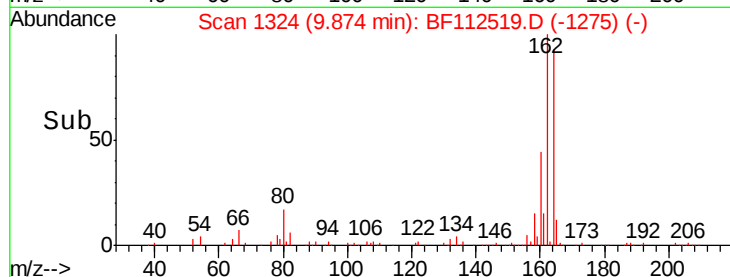
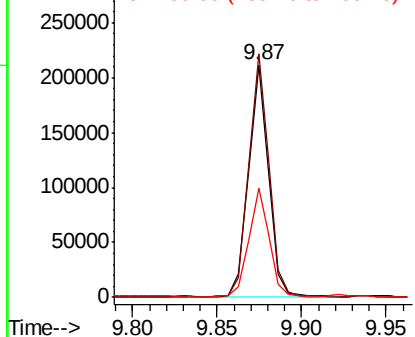
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112519.D
Acq: 12 Feb 2019 20:56

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

Tgt Ion:164 Resp: 175265
Ion Ratio Lower Upper
164 100
162 104.9 82.2 123.4
160 46.9 36.2 54.4

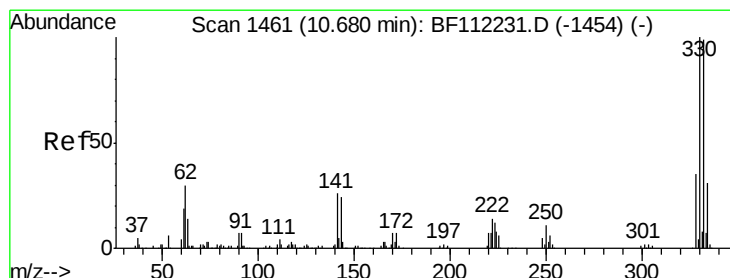


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

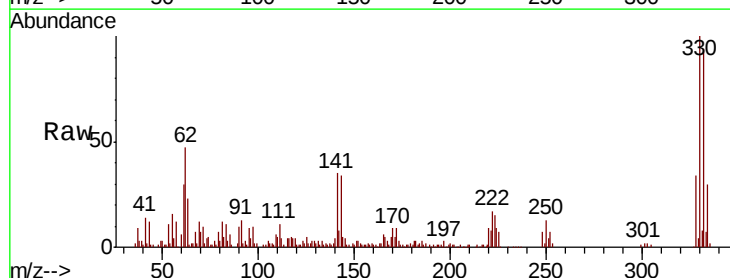
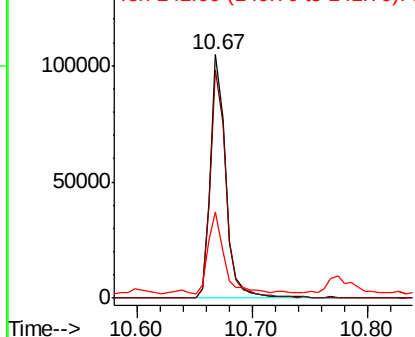


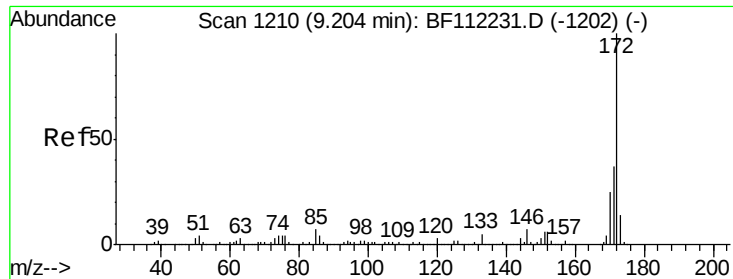
#42
2,4,6-Tribromophenol
Concen: 47.598 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112519.D
Acq: 12 Feb 2019 20:56

Tgt Ion:330 Resp: 97101
Ion Ratio Lower Upper
330 100
332 95.6 76.6 114.8
141 34.3 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

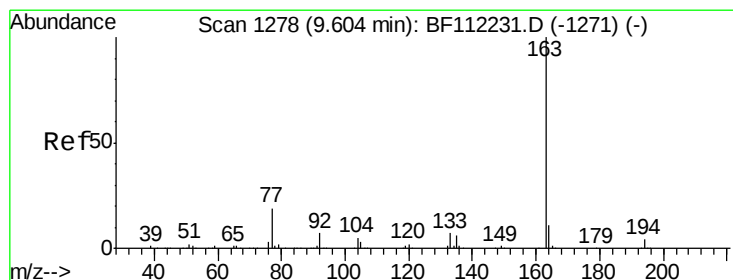
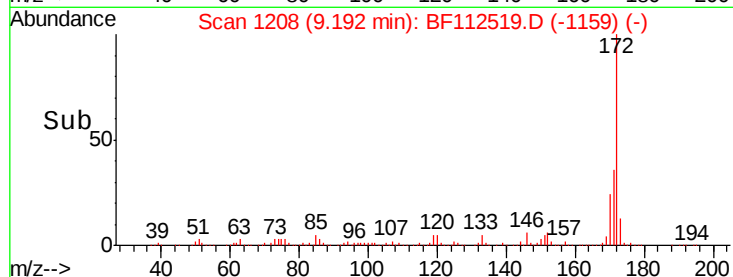
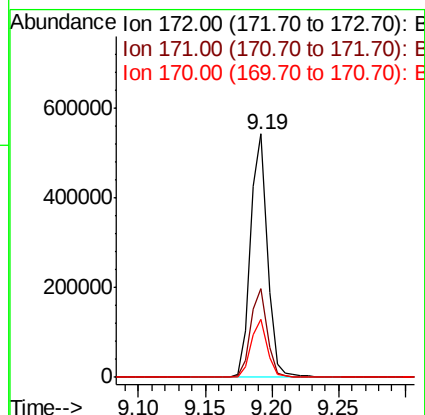
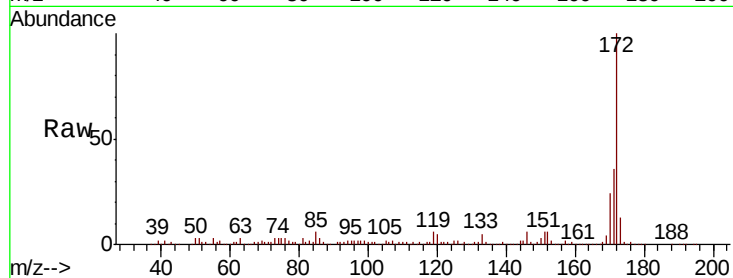




#45
2-Fluorobiphenyl
Concen: 37.792 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112519.D
Acq: 12 Feb 2019 20:56

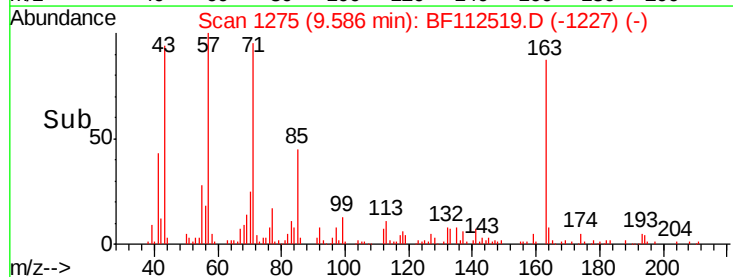
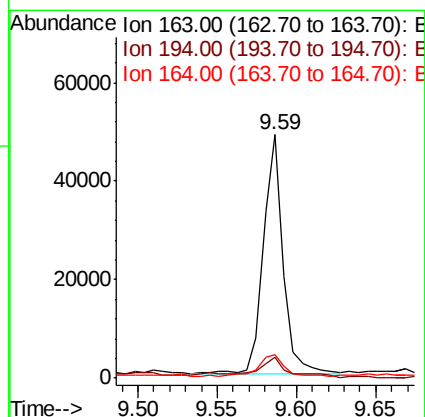
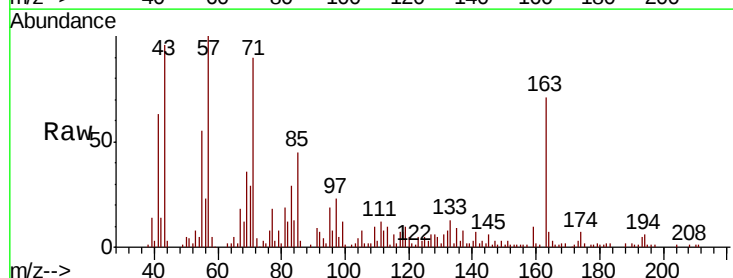
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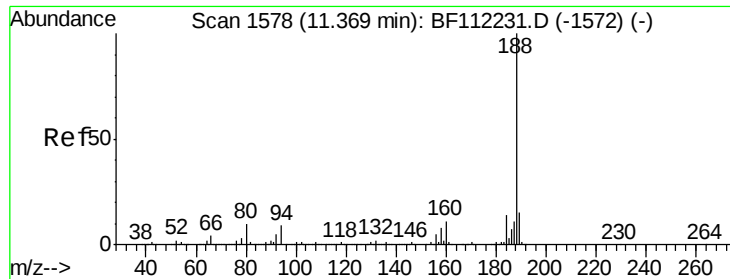
Tgt Ion:172 Resp: 468324
Ion Ratio Lower Upper
172 100
171 36.2 30.5 45.7
170 23.7 20.2 30.4



#50
Dimethylphthalate
Concen: 3.112 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112519.D
Acq: 12 Feb 2019 20:56

Tgt Ion:163 Resp: 42371
Ion Ratio Lower Upper
163 100
194 8.6 3.3 4.9#
164 9.5 8.5 12.7

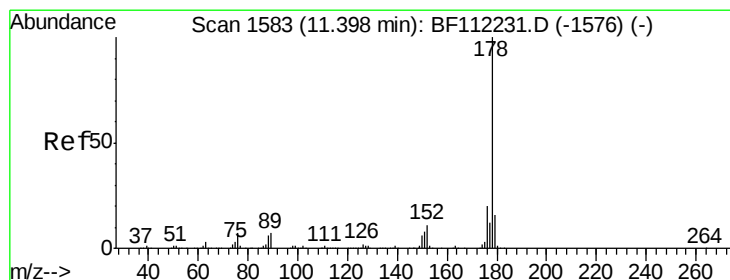
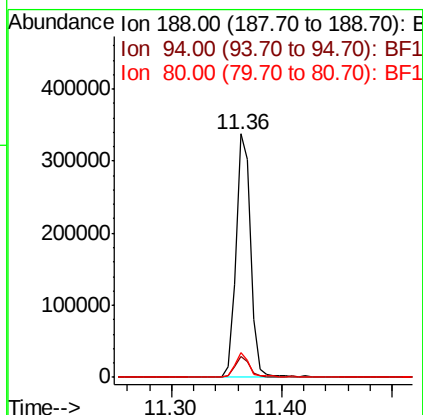
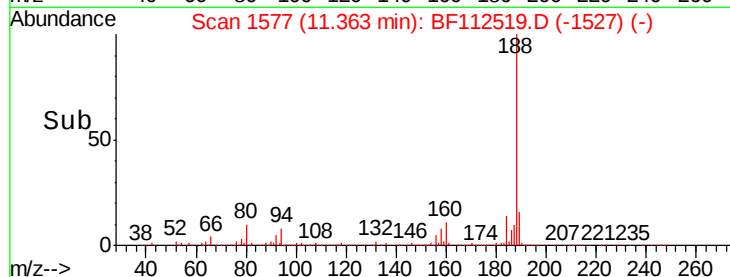
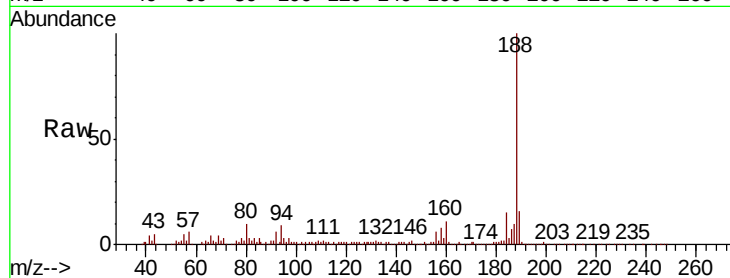




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112519.D
Acq: 12 Feb 2019 20:56

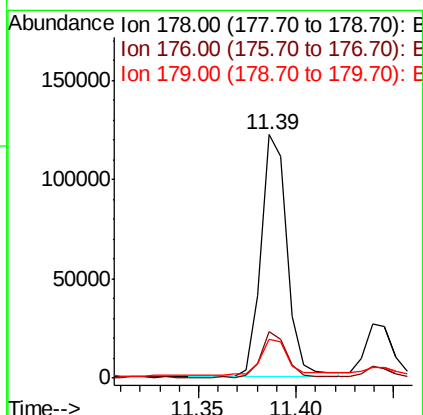
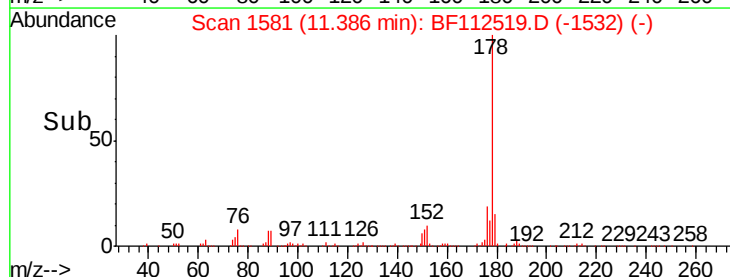
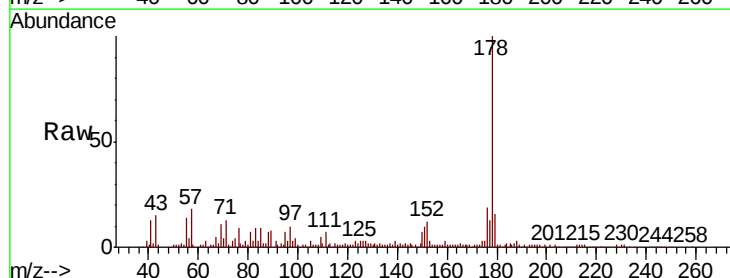
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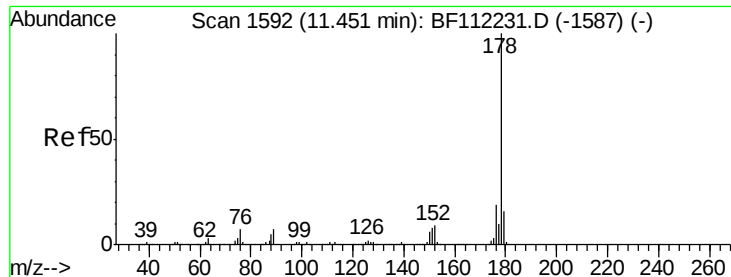
Tgt Ion:188 Resp: 316153
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.2
80 10.0 8.9 13.3



#71
Phenanthrene
Concen: 6.878 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112519.D
Acq: 12 Feb 2019 20:56

Tgt Ion:178 Resp: 113048
Ion Ratio Lower Upper
178 100
176 19.2 16.3 24.5
179 15.7 13.0 19.4





#72

Anthracene

Concen: 6.905 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.06 min

Lab File: BF112519.D

Acq: 12 Feb 2019 20:56

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-L

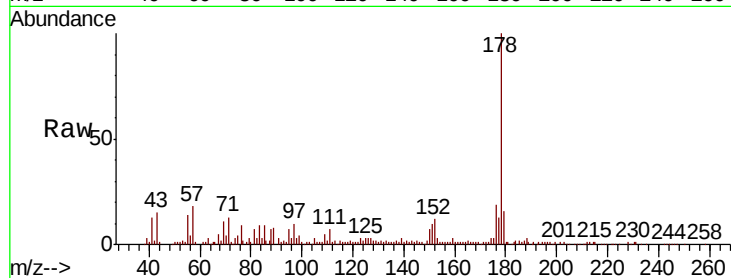
Tgt Ion:178 Resp: 113048

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

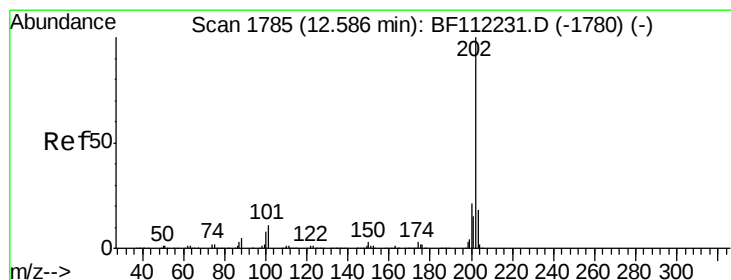
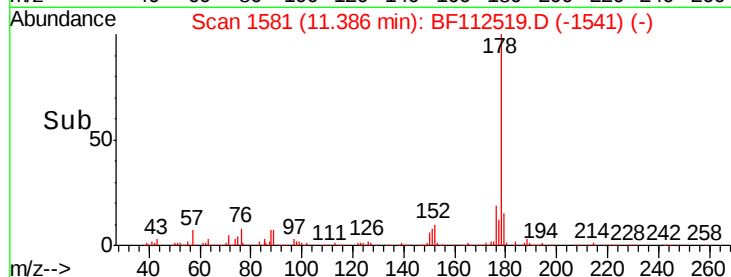
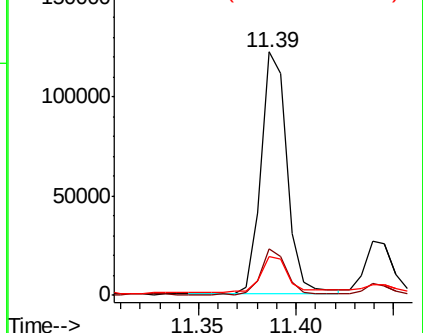
179 15.7 12.8 19.2



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: 9.725 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF112519.D

Acq: 12 Feb 2019 20:56

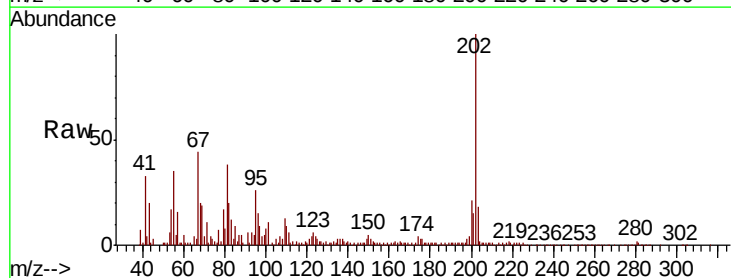
Tgt Ion:202 Resp: 171444

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.8

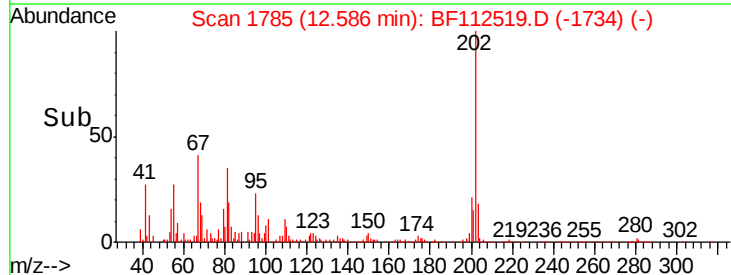
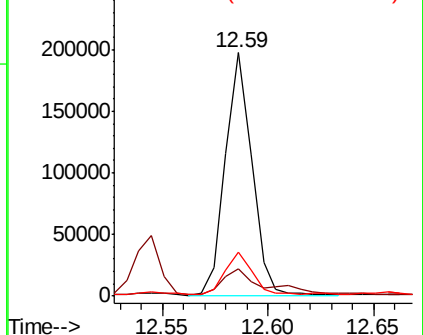
203 18.2 0.0 38.4

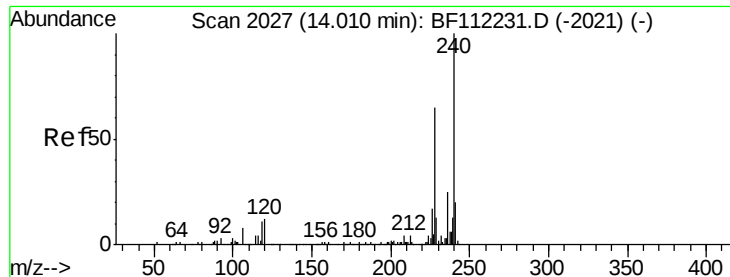


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

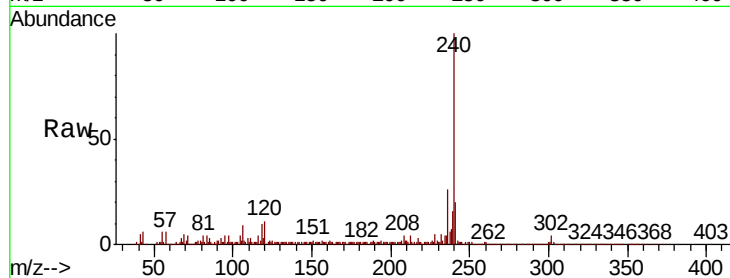




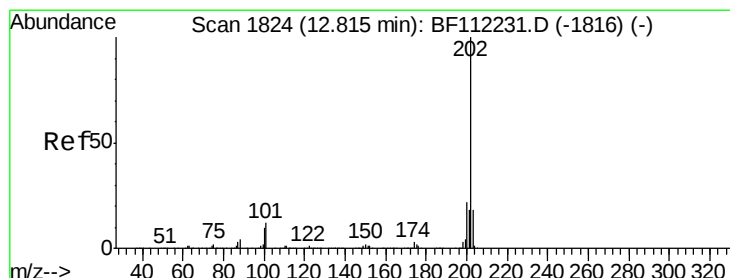
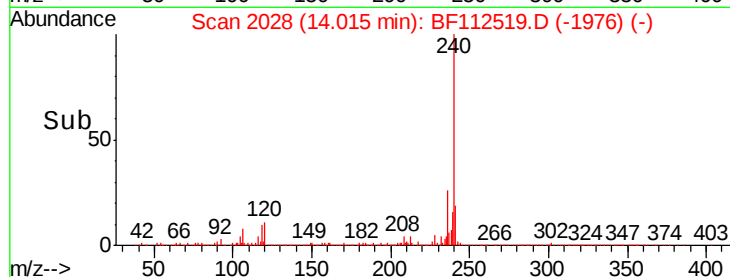
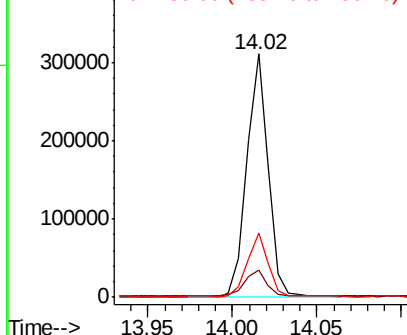
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF112519.D
Acq: 12 Feb 2019 20:56

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

Tgt Ion:240 Resp: 273163
Ion Ratio Lower Upper
240 100
120 11.3 9.0 13.6
236 26.4 20.7 31.1

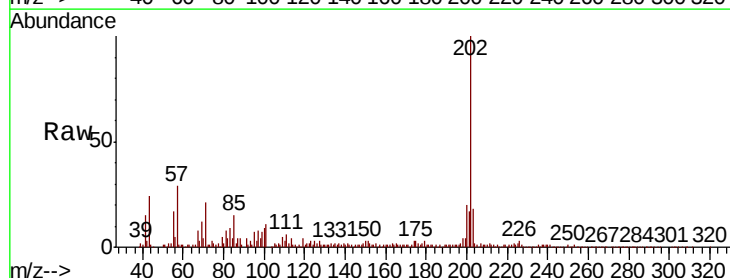


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

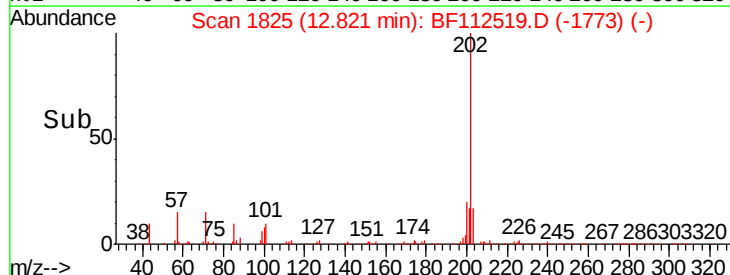
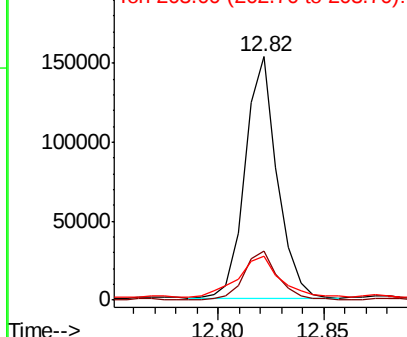


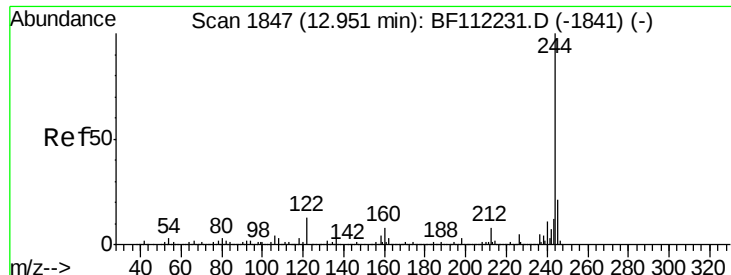
#78
Pyrene
Concen: 8.622 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.01 min
Lab File: BF112519.D
Acq: 12 Feb 2019 20:56

Tgt Ion:202 Resp: 163059
Ion Ratio Lower Upper
202 100
200 20.0 17.7 26.5
203 18.0 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: 33.527 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF112519.D

Acq: 12 Feb 2019 20:56

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-L

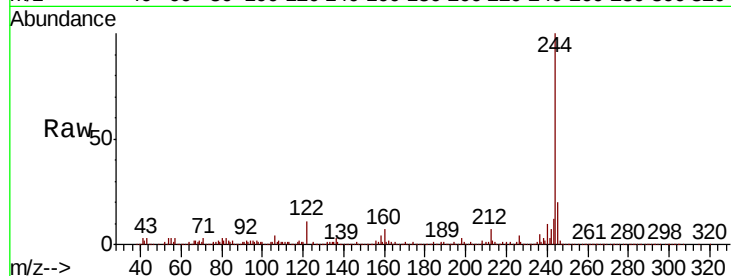
Tgt Ion:244 Resp: 486255

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

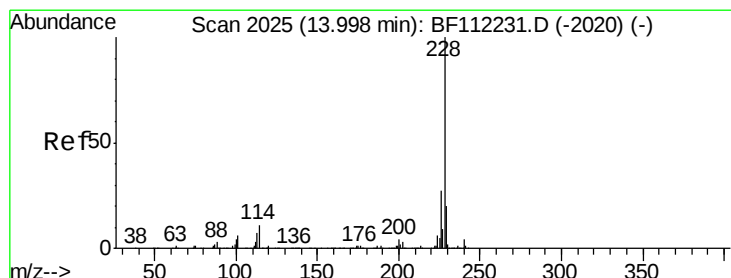
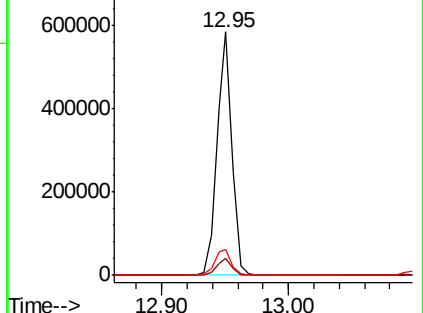
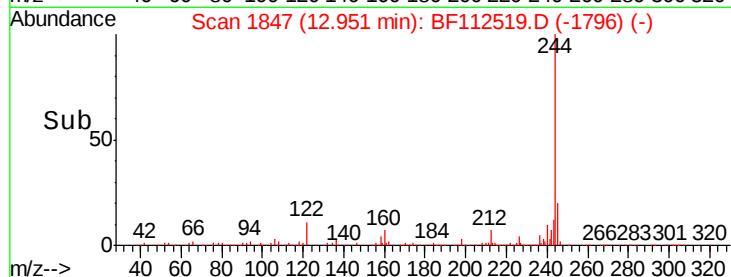
122 10.9 9.8 14.6



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: 4.237 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF112519.D

Acq: 12 Feb 2019 20:56

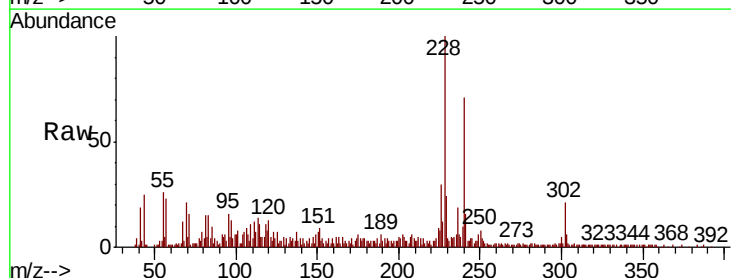
Tgt Ion:228 Resp: 68042

Ion Ratio Lower Upper

228 100

226 29.9 22.6 34.0

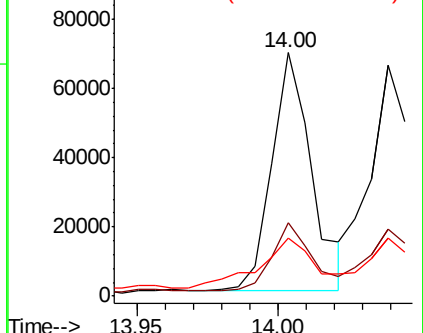
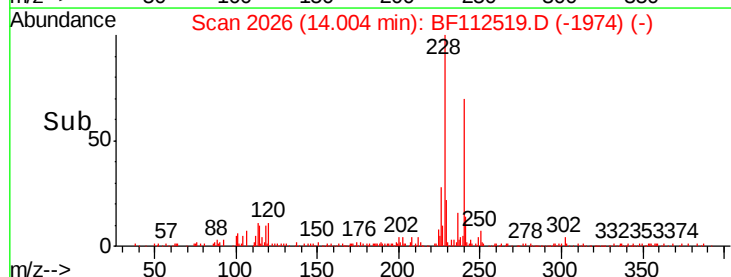
229 23.7 16.5 24.7

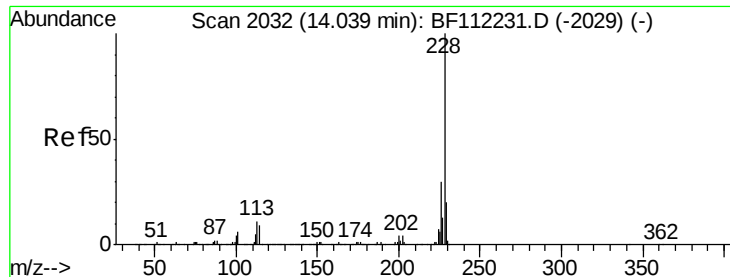


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.439 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.04 min

Lab File: BF112519.D

Acq: 12 Feb 2019 20:56

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-L

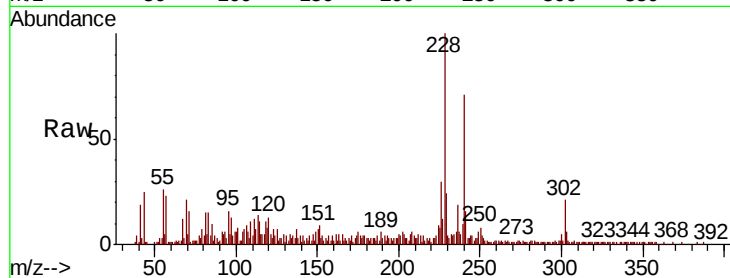
Tgt Ion:228 Resp: 68042

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

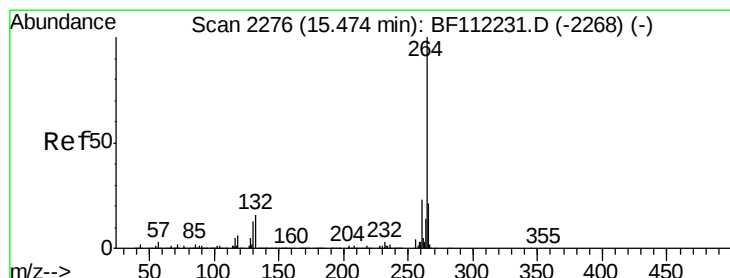
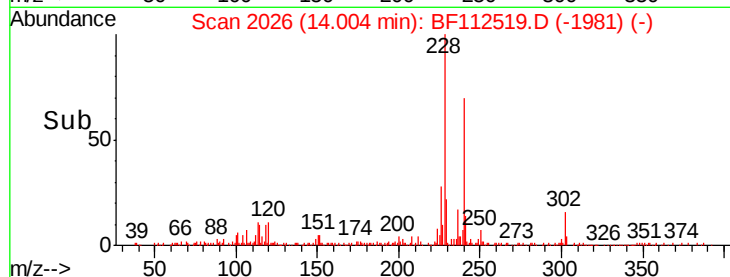
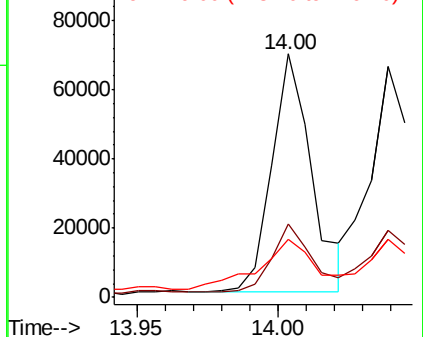
229 23.7 16.6 24.8



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: 15.50 min Scan# 2280

Delta R.T. 0.02 min

Lab File: BF112519.D

Acq: 12 Feb 2019 20:56

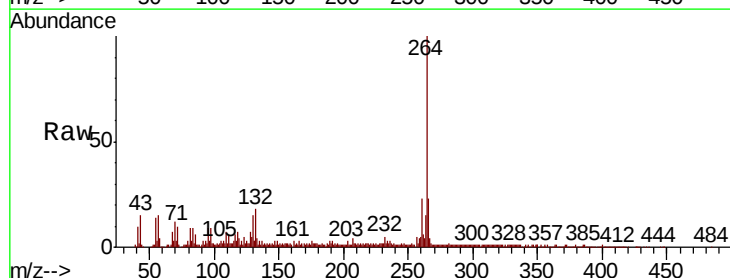
Tgt Ion:264 Resp: 191939

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.2

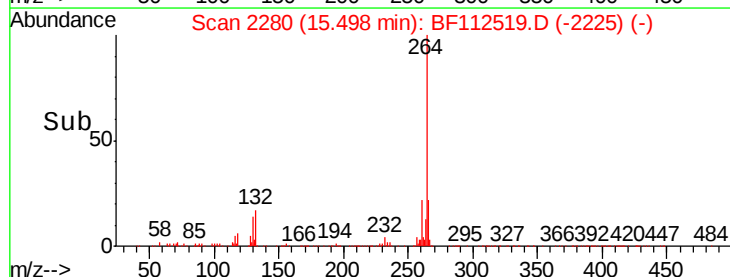
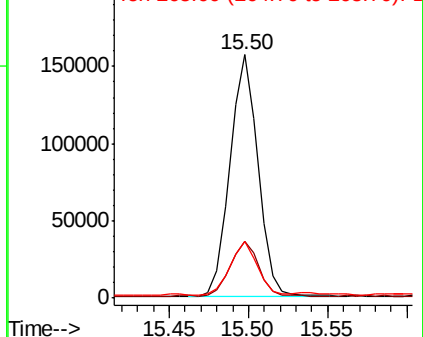
265 23.0 17.0 25.4

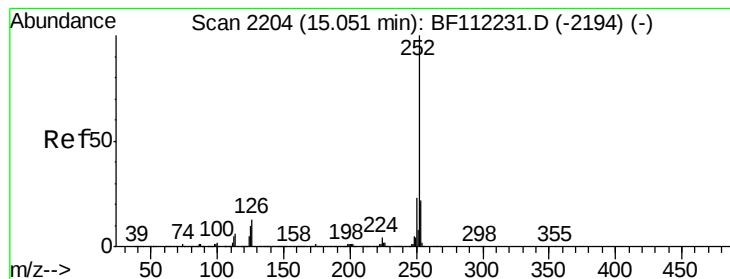


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 7.085 ng

RT: 15.06 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BF112519.D

Acq: 12 Feb 2019 20:56

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-L

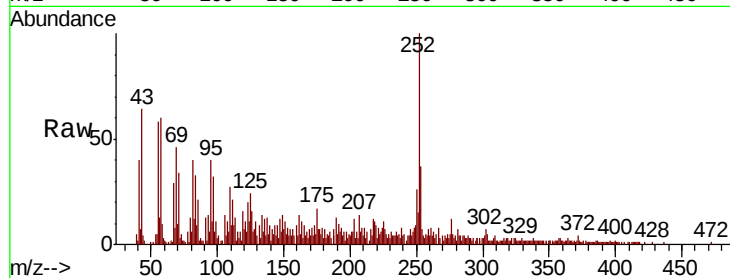
Tgt Ion:252 Resp: 81324

Ion Ratio Lower Upper

252 100

253 36.7 18.0 27.0#

125 24.5 8.7 13.1#

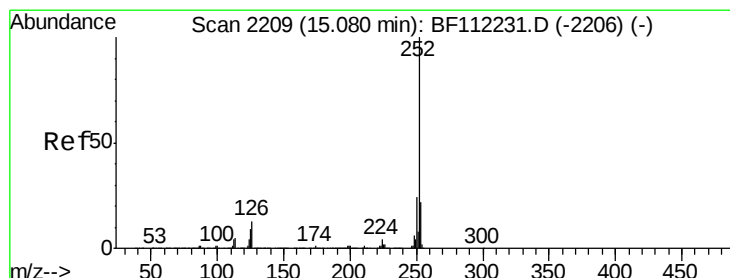
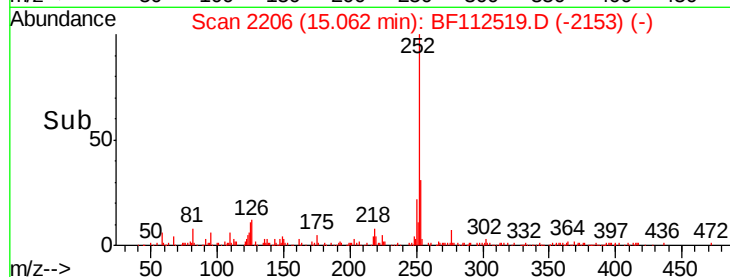
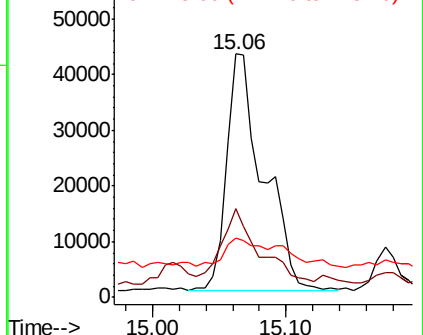


Abundance

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: 7.396 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BF112519.D

Acq: 12 Feb 2019 20:56

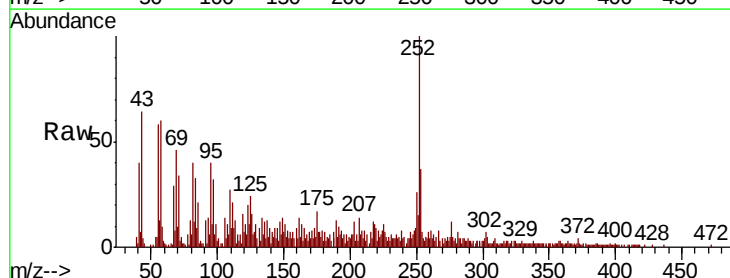
Tgt Ion:252 Resp: 81324

Ion Ratio Lower Upper

252 100

253 36.7 18.0 27.0#

125 24.5 9.1 13.7#

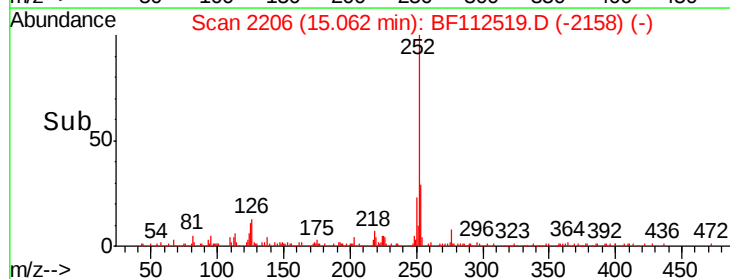
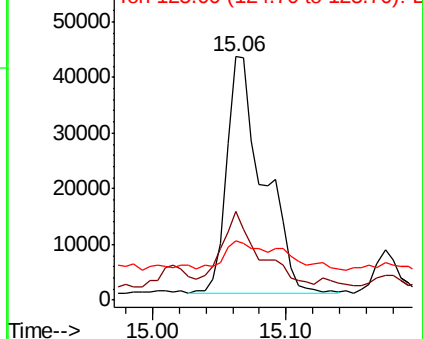


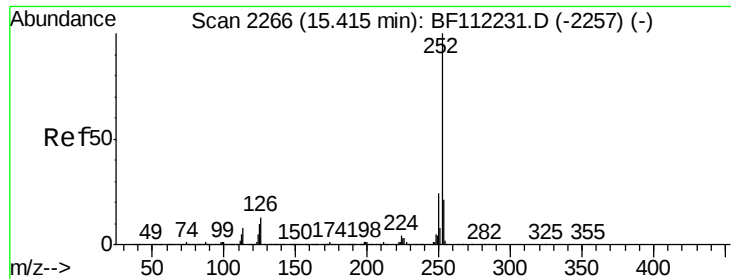
Abundance

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





#90

Benzo(a)pyrene

Concen: 4.059 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.02 min

Lab File: BF112519.D

Acq: 12 Feb 2019 20:56

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-L

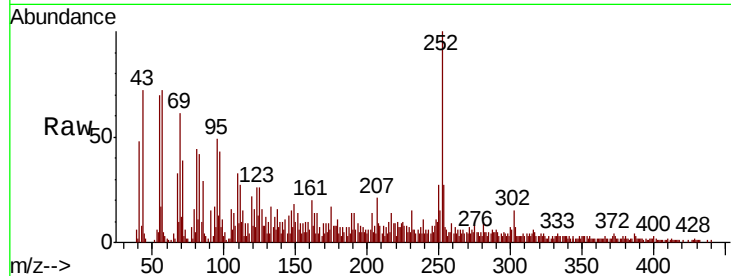
Tgt Ion:252 Resp: 41928

Ion Ratio Lower Upper

252 100

253 27.3 17.5 26.3#

125 25.6 9.0 13.4#



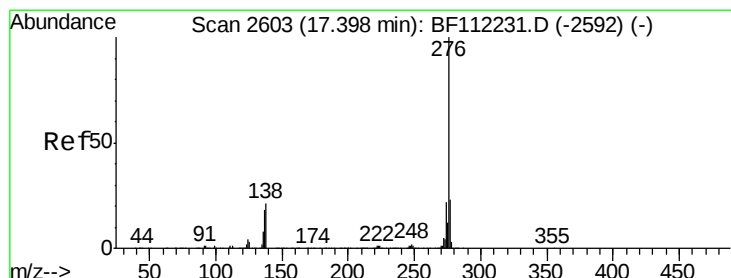
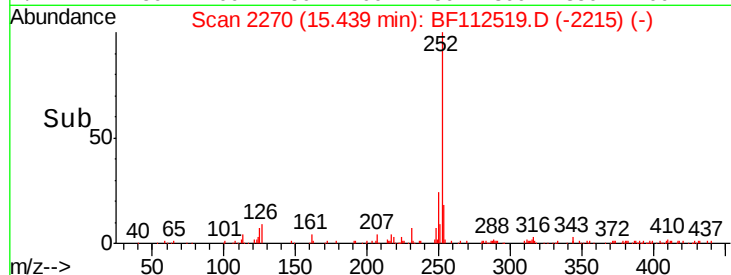
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

15.44

Time-->



#92

Benzo(g,h,i)perylene

Concen: 3.009 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.06 min

Lab File: BF112519.D

Acq: 12 Feb 2019 20:56

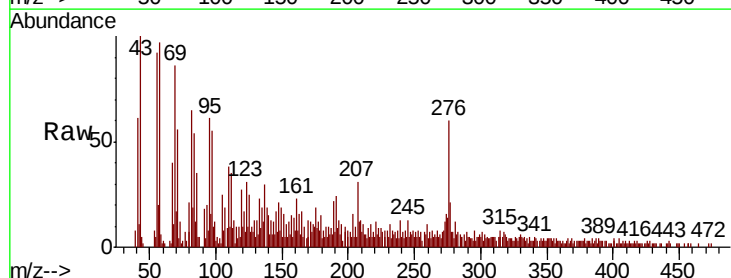
Tgt Ion:276 Resp: 23633

Ion Ratio Lower Upper

276 100

277 35.0 19.4 29.0#

138 30.8 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

17.46

Time-->

