

Data File : BF111472.D
Acq On : 15 Dec 2018 16:53
Operator : JU/SJ
Sample : J6316-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-3

Quant Time: Dec 16 00:44:53 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	147466	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	587233	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	261820	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	385658	20.00	ng	0.00
76) Chrysene-d12	13.95	240	280099	20.00	ng	0.00
87) Perylene-d12	15.39	264	245285	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	993910	112.16	ng	0.00
7) Phenol-d6	6.44	99	1259162	106.82	ng	0.00
23) Nitrobenzene-d5	7.35	82	779072	79.00	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	179544	76.55	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1356884	80.05	ng	0.00
79) Terphenyl-d14	12.90	244	856045	71.77	ng	0.00

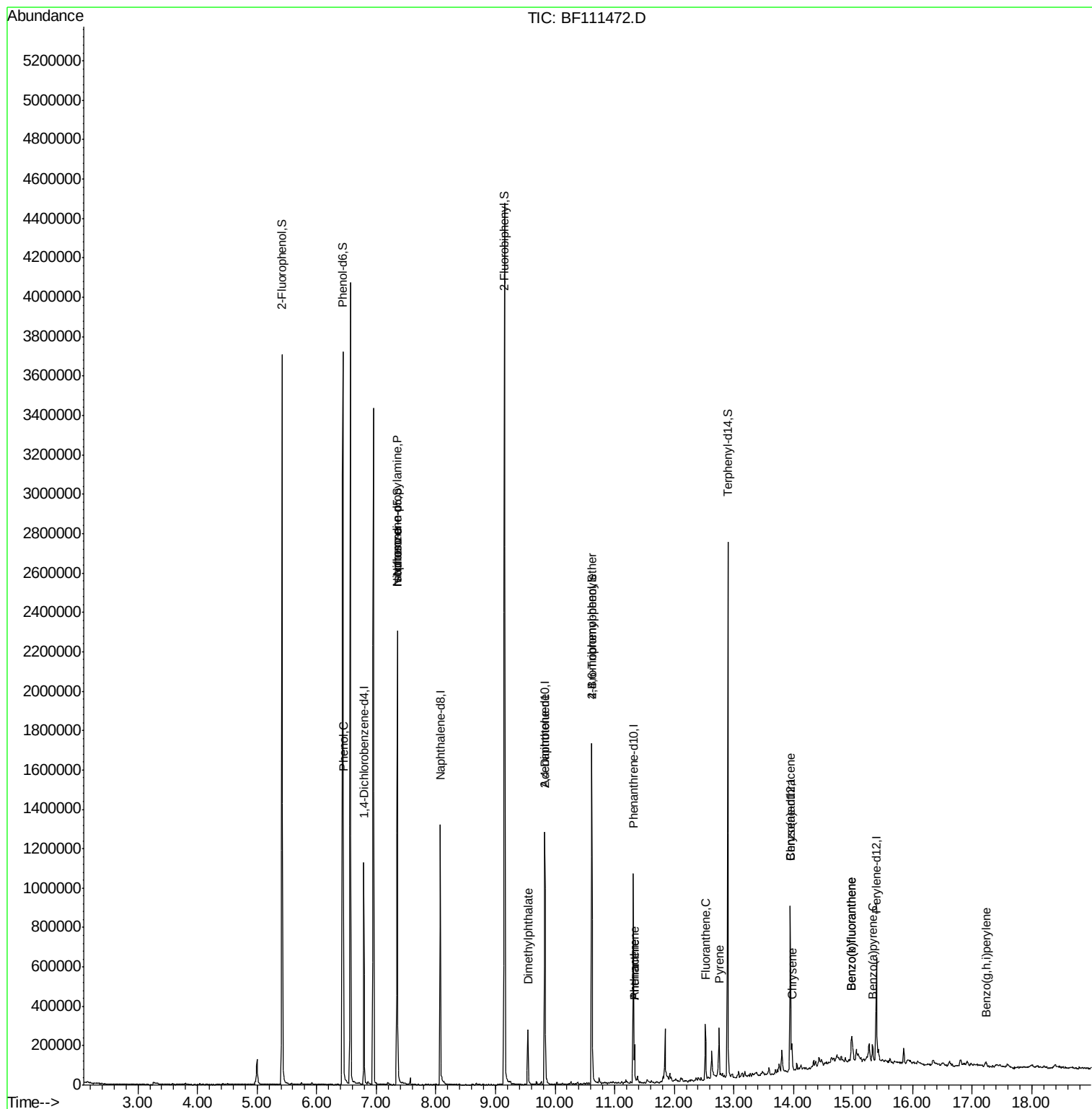
Target Compounds				Qvalue		
10) Phenol	6.45	94	86564	6.592	ng	93
19) n-Nitroso-di-n-propylamine	7.35	70	101593	13.063	ng	# 82
25) Isophorone	7.35	82	779065	46.691	ng	# 64
50) Dimethylphthalate	9.55	163	135469	7.184	ng	# 95
57) 2,4-Dinitrotoluene	9.83	165	33197	5.959	ng	# 24
67) 4-Bromophenyl-phenylether	10.62	248	11701	2.815	ng	# 1
71) Phenanthrene	11.33	178	62877	3.164	ng	94
72) Anthracene	11.33	178	62877	3.094	ng	95
75) Fluoranthene	12.52	202	108675	5.590	ng	98
78) Pyrene	12.75	202	99839	5.056	ng	94
81) Benzo(a)anthracene	13.94	228	49640	3.259	ng	97
83) Chrysene	13.97	228	54393	3.390	ng	95
88) Benzo(b)fluoranthene	14.97	252	85918	6.008	ng	98
89) Benzo(k)fluoranthene	14.97	252	85918	6.288	ng	# 98
90) Benzo(a)pyrene	15.33	252	41745	3.237	ng	98
92) Benzo(g,h,i)perylene	17.23	276	20054	2.008	ng	93

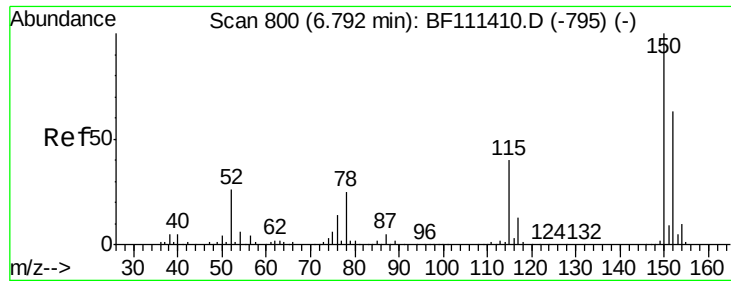
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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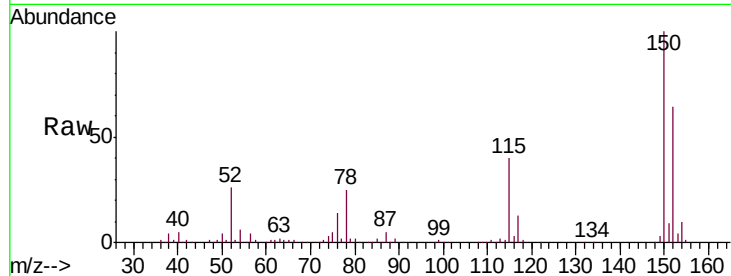




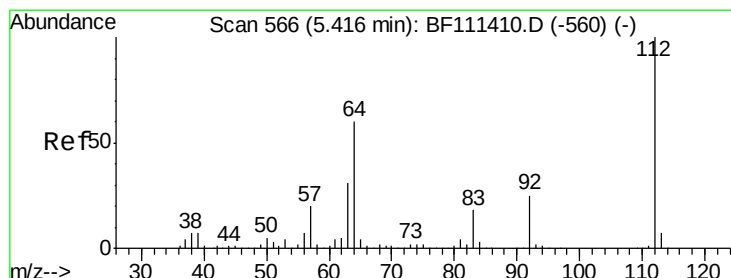
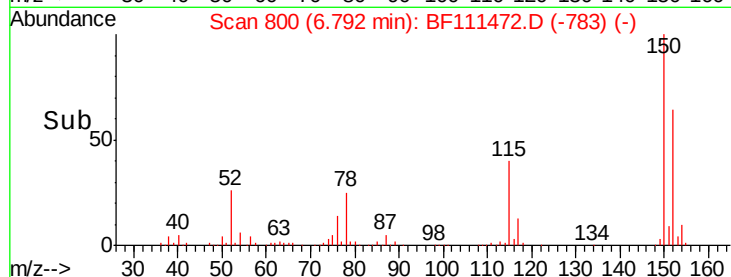
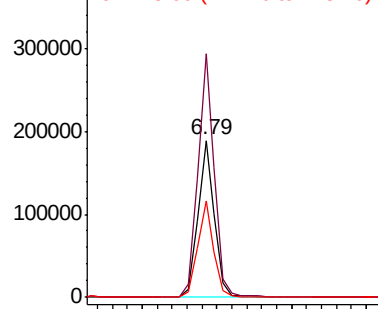
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF111472.D
 Acq: 15 Dec 2018 16:53

Instrument :
 BNA_F
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-3

Tgt Ion:152 Resp: 147466
 Ion Ratio Lower Upper
 152 100
 150 155.2 126.6 189.8
 115 61.9 50.7 76.1

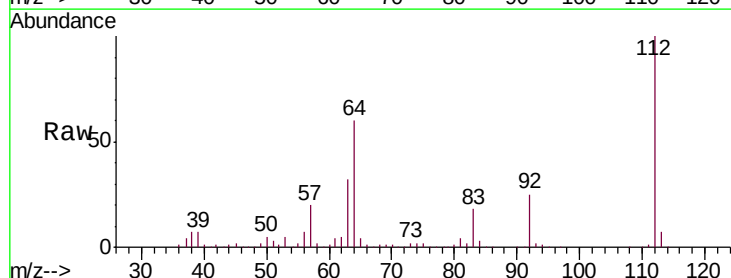


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

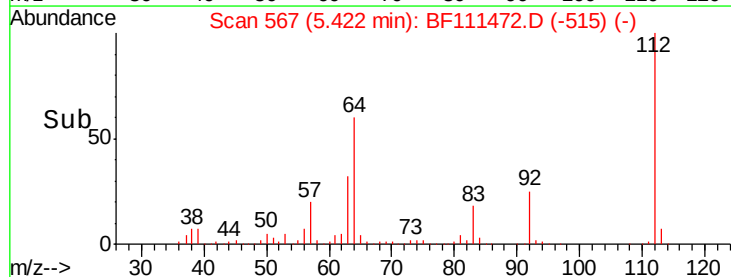
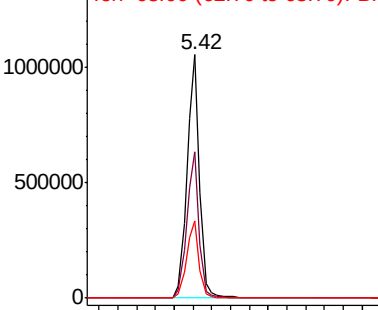


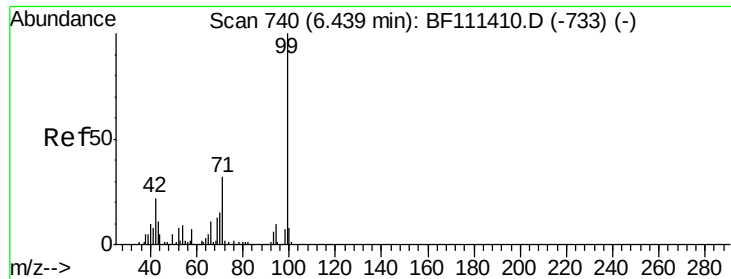
#5
 2-Fluorophenol
 Concen: 112.156 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF111472.D
 Acq: 15 Dec 2018 16:53

Tgt Ion:112 Resp: 993910
 Ion Ratio Lower Upper
 112 100
 64 60.0 51.8 77.6
 63 31.7 26.8 40.2



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: 106.819 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111472.D

Acq: 15 Dec 2018 16:53

Instrument :

BNA_F

ClientSampleId :

AVE-X-B-BALL-FIELD-S-3

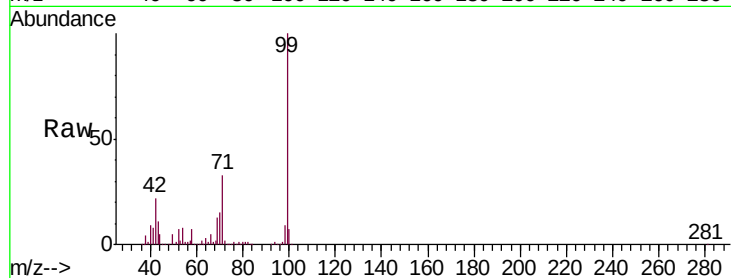
Tgt Ion: 99 Resp: 1259162

Ion Ratio Lower Upper

99 100

42 21.7 17.4 26.0

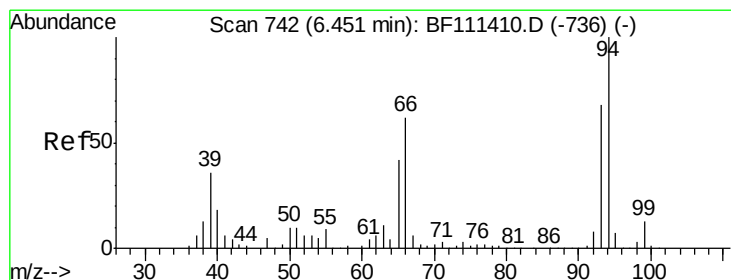
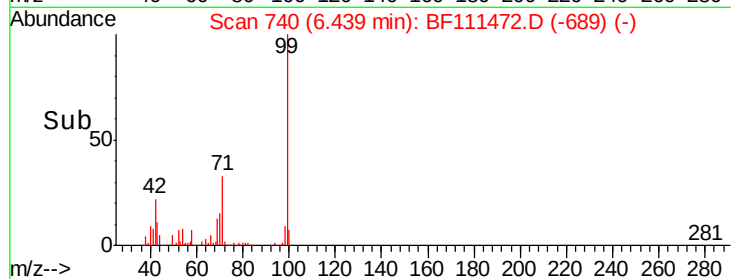
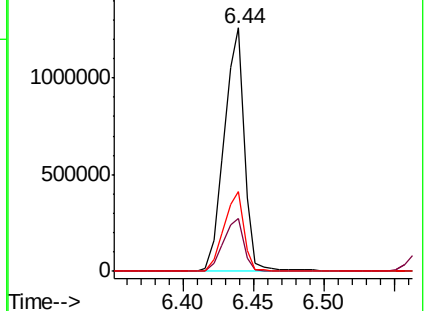
71 32.6 26.1 39.1



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



#10

Phenol

Concen: 6.592 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111472.D

Acq: 15 Dec 2018 16:53

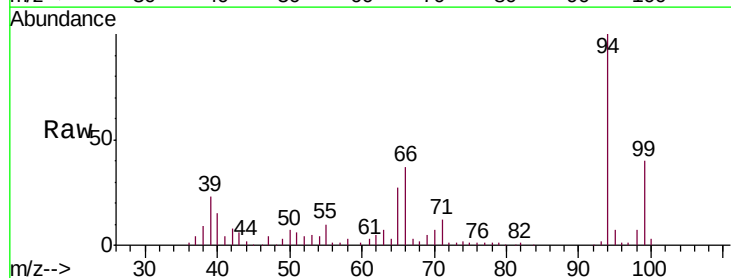
Tgt Ion: 94 Resp: 86564

Ion Ratio Lower Upper

94 100

65 27.1 11.7 51.7

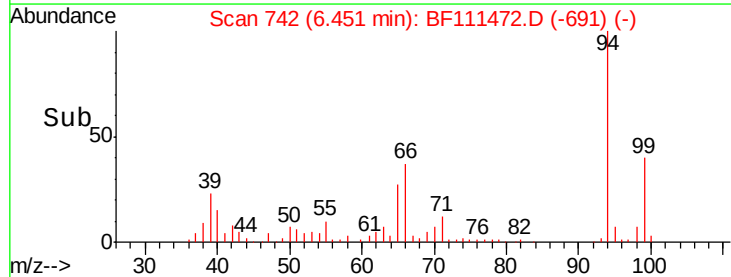
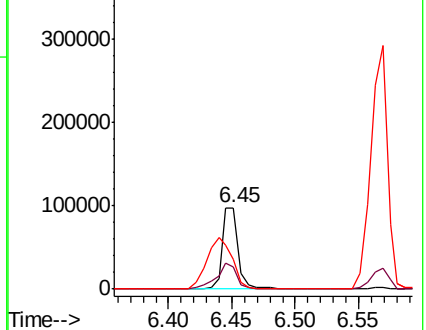
66 37.1 21.0 61.0

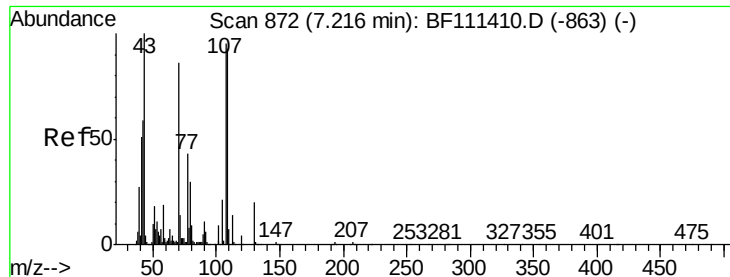


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

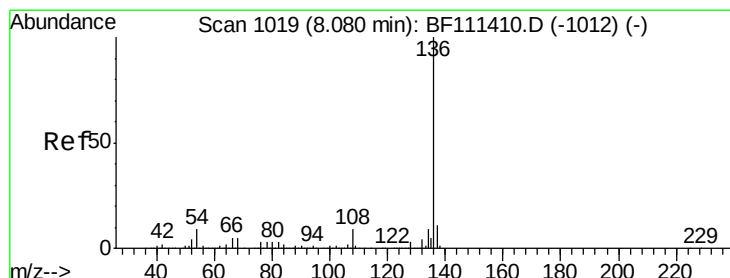
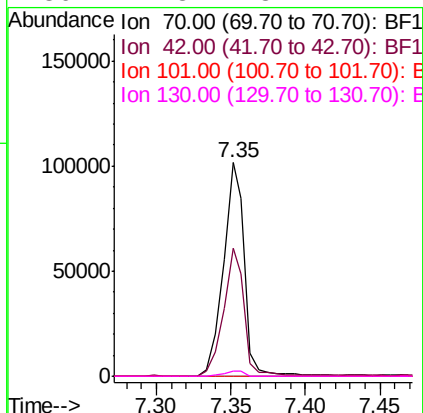
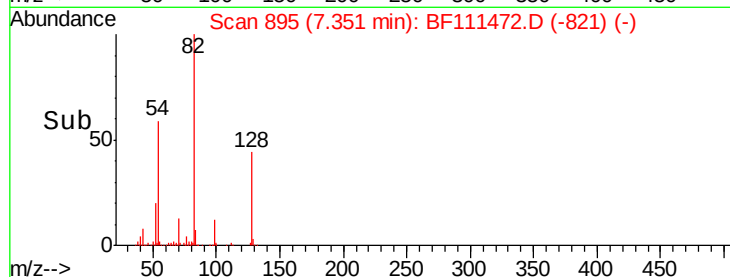
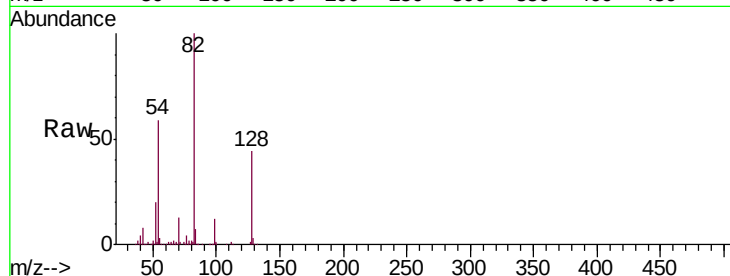




#19
n-Nitroso-di-n-propylamine
Concen: 13.063 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111472.D
Acq: 15 Dec 2018 16:53

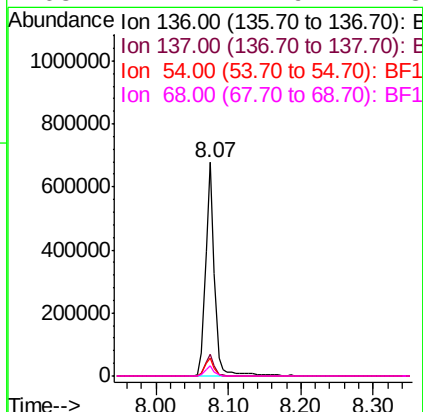
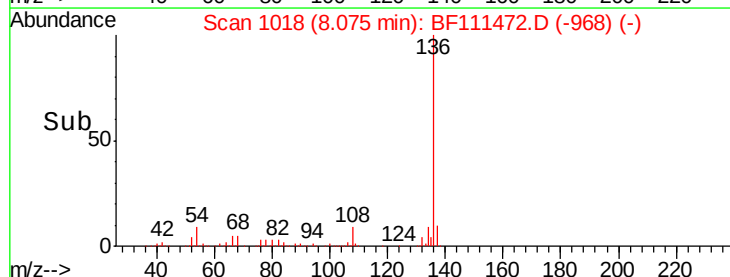
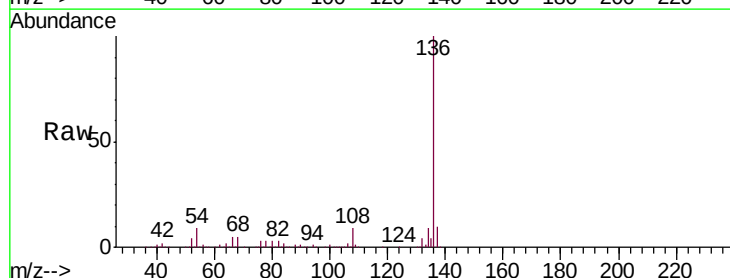
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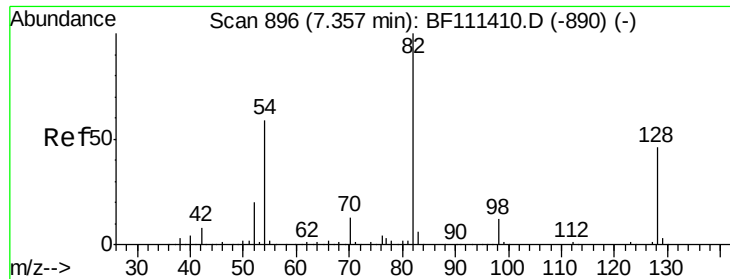
Tgt Ion:	70	Resp:	101593
Ion	Ratio	Lower	Upper
70	100		
42	59.9	53.2	79.8
101	0.0	8.2	12.4#
130	2.3	18.1	27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111472.D
Acq: 15 Dec 2018 16:53

Tgt Ion:	136	Resp:	587233
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.1	13.7
54	8.7	7.7	11.5
68	4.7	4.9	7.3#

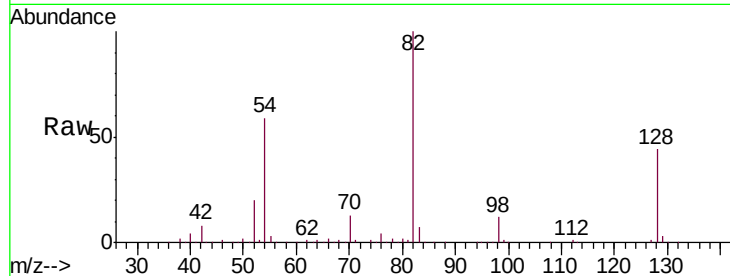




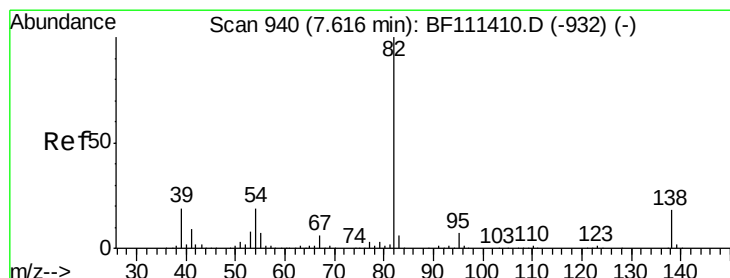
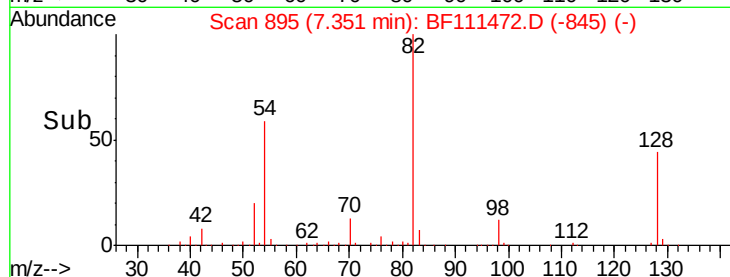
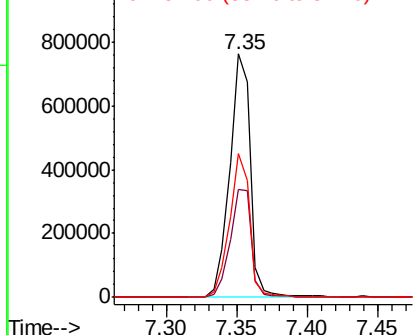
#23
 Nitrobenzene-d5
 Concen: 79.002 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF111472.D
 Acq: 15 Dec 2018 16:53

Instrument :
 BNA_F
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-3

Tgt Ion: 82 Resp: 779072
 Ion Ratio Lower Upper
 82 100
 128 44.3 37.4 56.2
 54 59.2 47.6 71.4

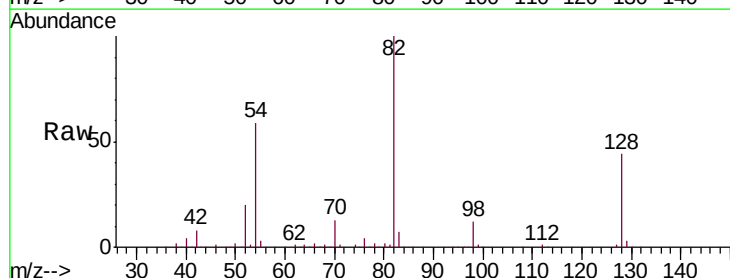


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

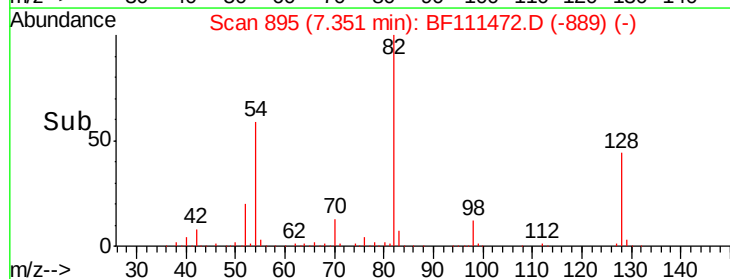
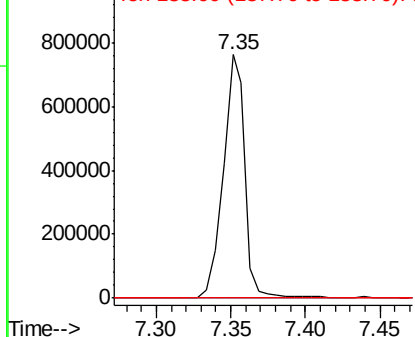


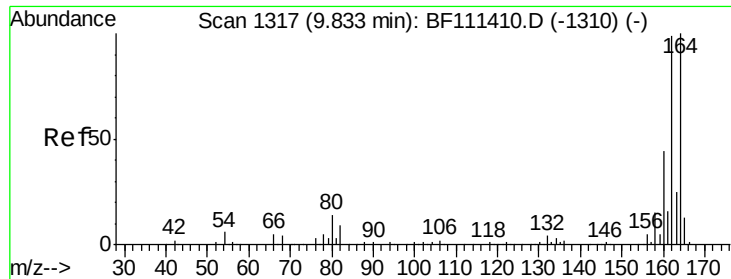
#25
 Isophorone
 Concen: 46.691 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.26 min
 Lab File: BF111472.D
 Acq: 15 Dec 2018 16:53

Tgt Ion: 82 Resp: 779065
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.4 8.2#
 138 0.0 15.1 22.7#



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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111472.D

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Instrument :

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ClientSampleId :

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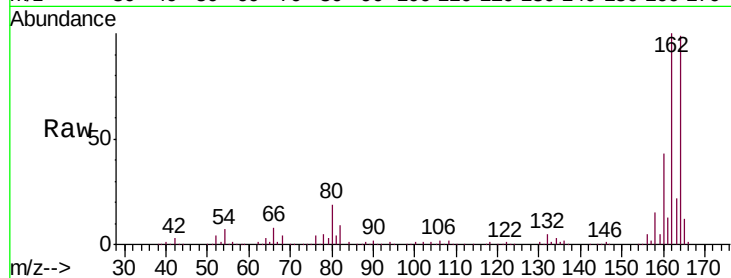
Tgt Ion:164 Resp: 261820

Ion Ratio Lower Upper

164 100

162 100.6 81.4 122.0

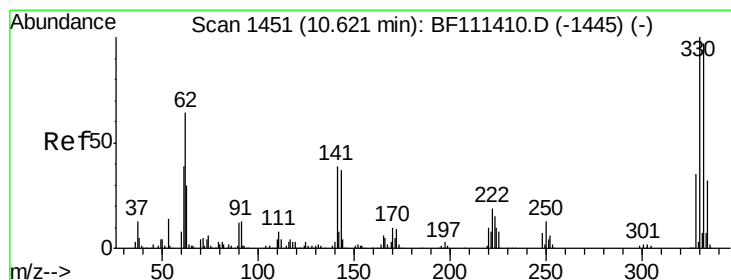
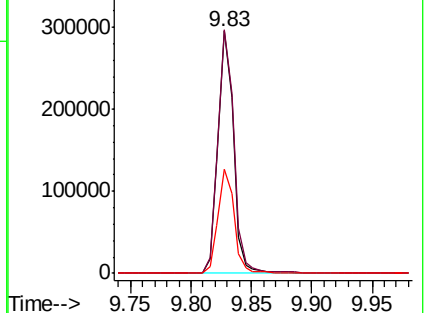
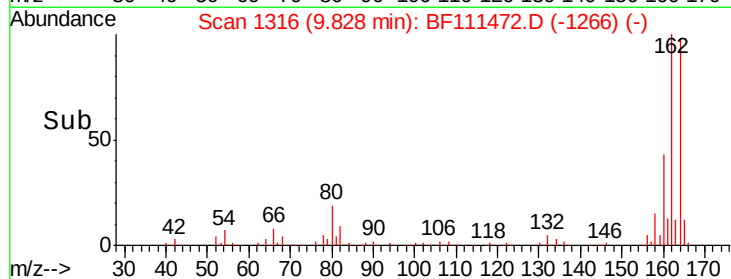
160 43.0 35.7 53.5



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



#42

2,4,6-Tribromophenol

Concen: 76.553 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111472.D

Acq: 15 Dec 2018 16:53

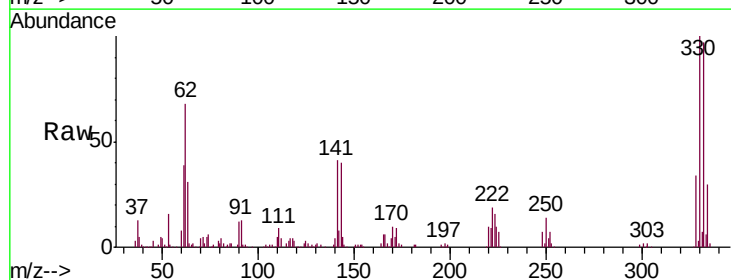
Tgt Ion:330 Resp: 179544

Ion Ratio Lower Upper

330 100

332 96.5 76.0 114.0

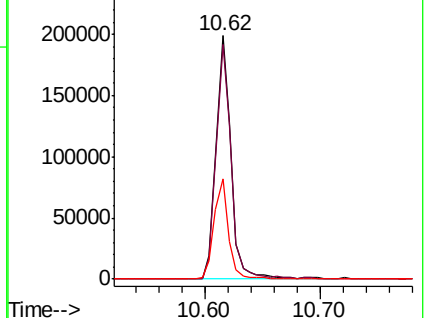
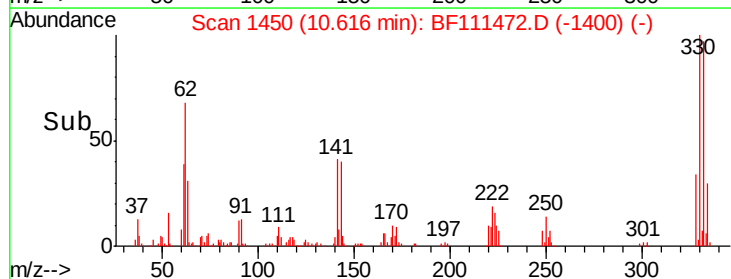
141 40.4 31.0 46.6

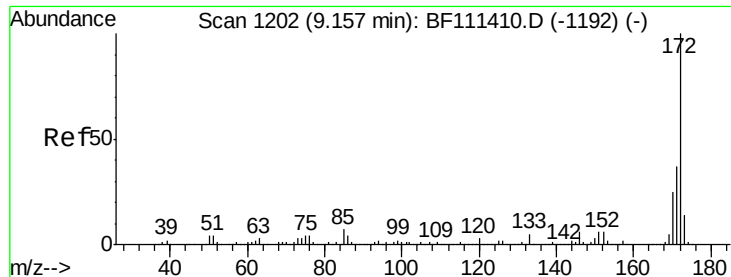


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

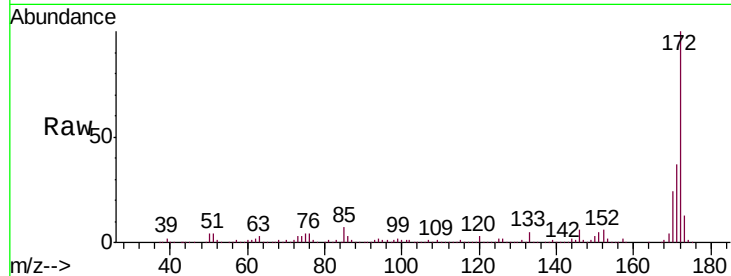




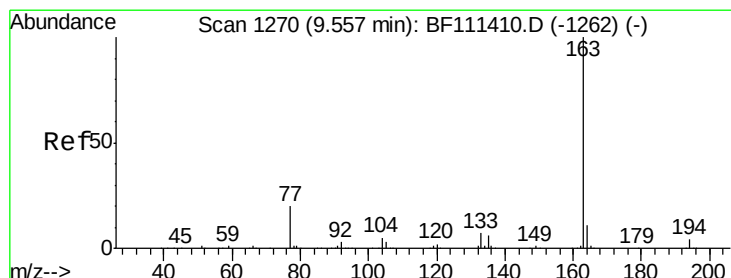
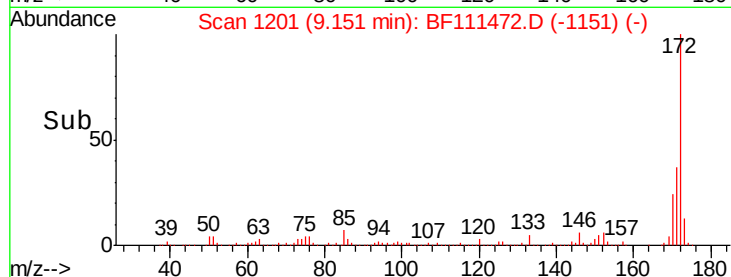
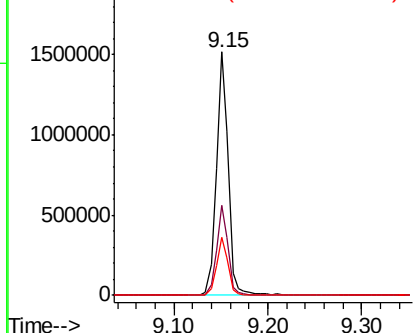
#45
2-Fluorobiphenyl
Concen: 80.051 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
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Tgt Ion:172 Resp: 1356884
Ion Ratio Lower Upper
172 100
171 36.7 33.0 49.4
170 23.7 22.3 33.5

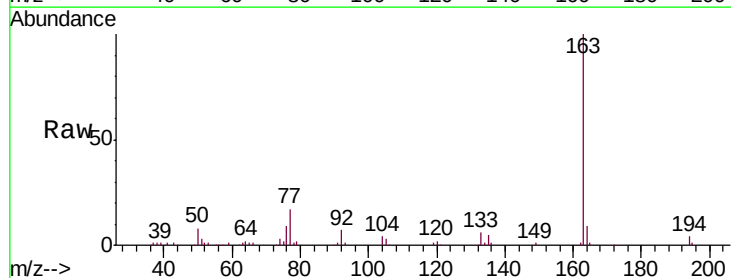


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

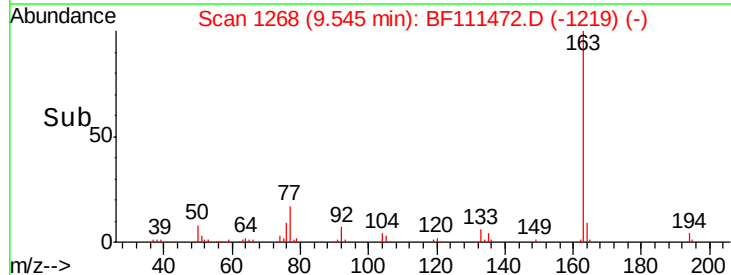
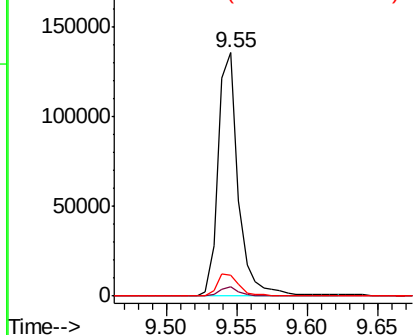


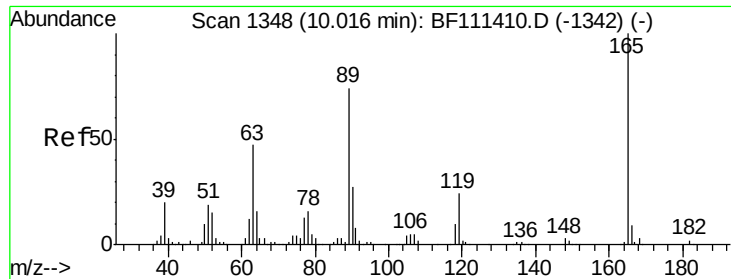
#50
Dimethylphthalate
Concen: 7.184 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111472.D
Acq: 15 Dec 2018 16:53

Tgt Ion:163 Resp: 135469
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.6
164 8.8 8.9 13.3#



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

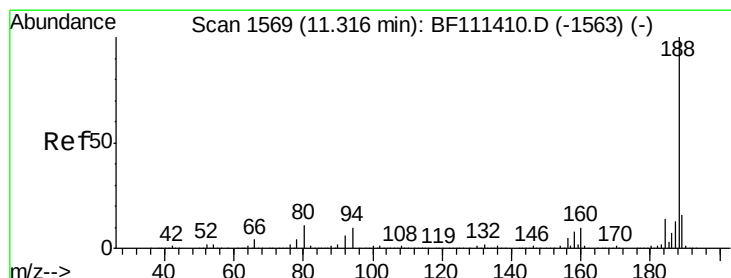
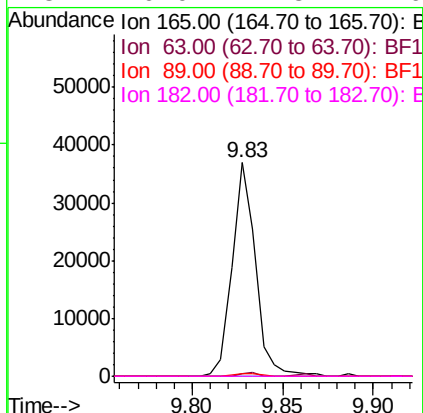
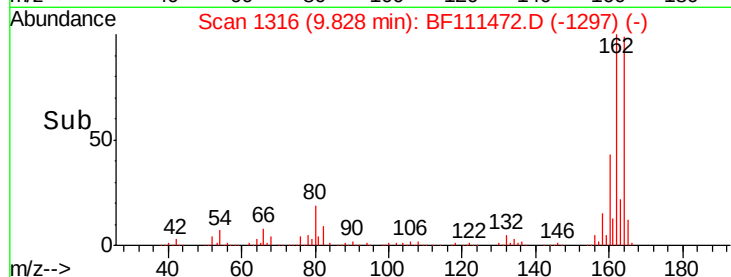
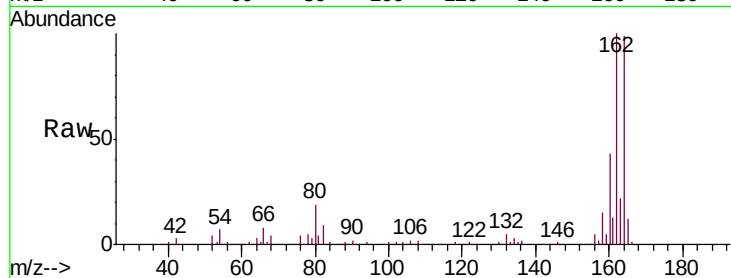




#57
2,4-Dinitrotoluene
Concen: 5.959 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF111472.D
Acq: 15 Dec 2018 16:53

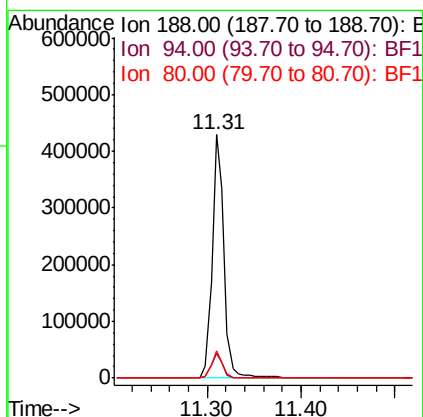
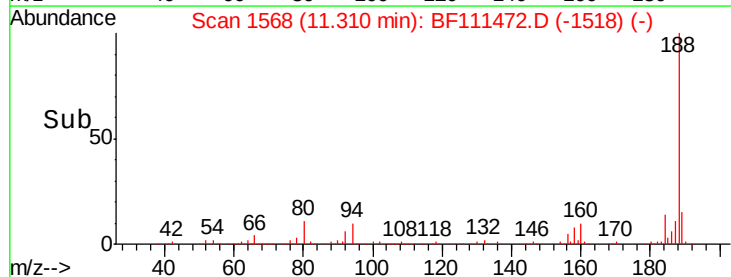
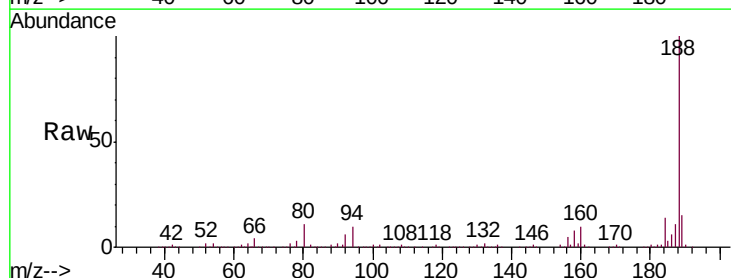
Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-3

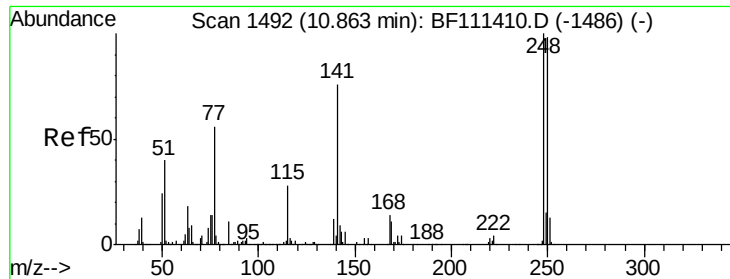
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.6	52.0#
89	1.0	56.2	84.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111472.D
Acq: 15 Dec 2018 16:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.6	14.4
80	11.0	9.8	14.6

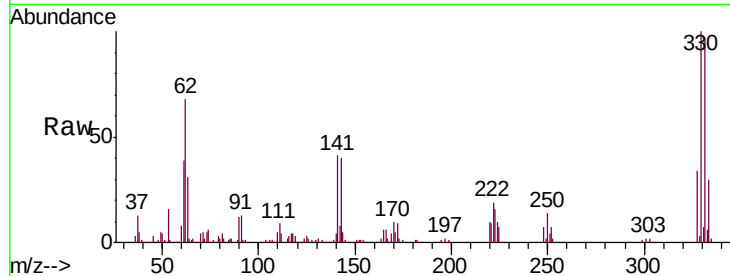




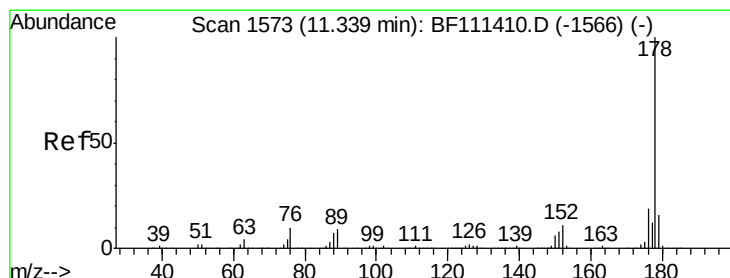
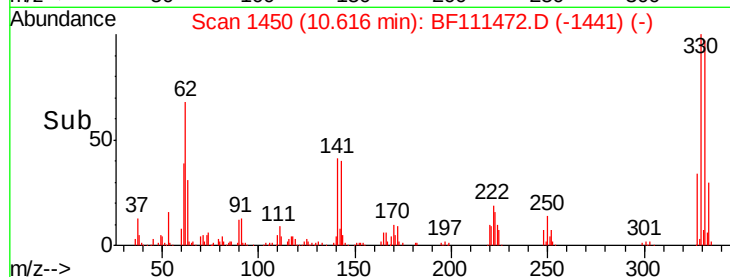
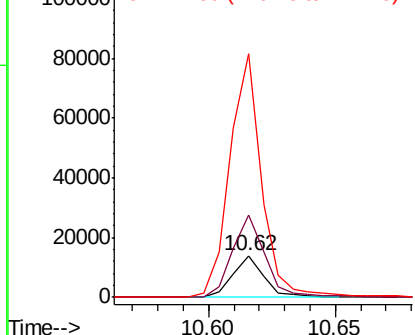
#67
 4-Bromophenyl-phenylether
 Concen: 2.815 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF111472.D
 Acq: 15 Dec 2018 16:53

Instrument :
 BNA_F
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-3

Tgt Ion:248 Resp: 11701
 Ion Ratio Lower Upper
 248 100
 250 196.9 77.0 115.4#
 141 580.0 63.0 94.6#

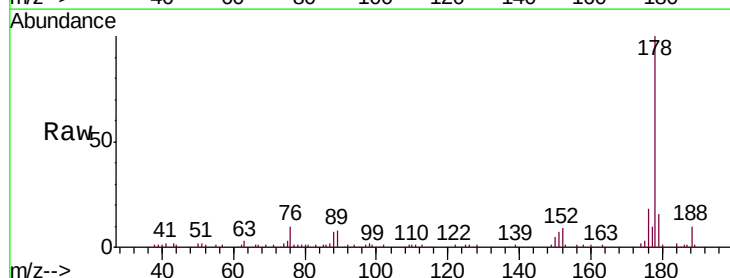


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

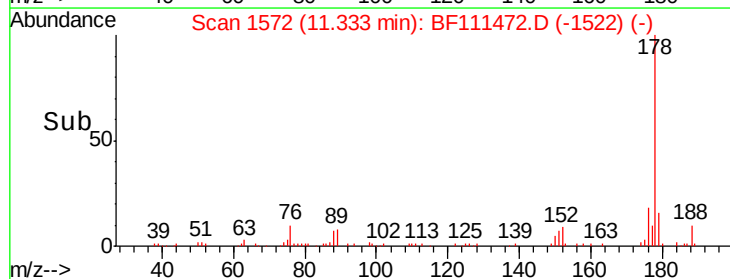
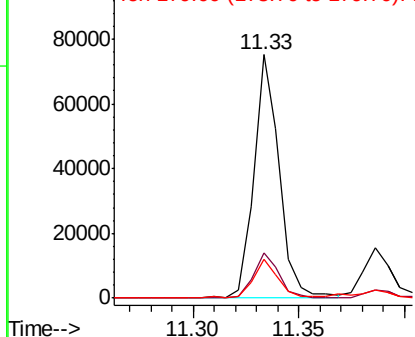


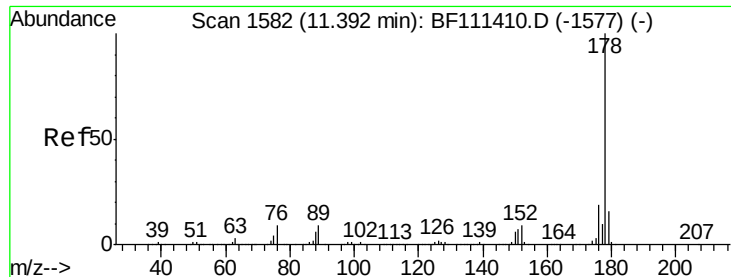
#71
 Phenanthrene
 Concen: 3.164 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF111472.D
 Acq: 15 Dec 2018 16:53

Tgt Ion:178 Resp: 62877
 Ion Ratio Lower Upper
 178 100
 176 18.4 18.1 27.1
 179 16.0 14.0 21.0



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





#72

Anthracene

Concen: 3.094 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.06 min

Lab File: BF111472.D

Acq: 15 Dec 2018 16:53

Instrument :

BNA_F

ClientSampleId :

AVE-X-B-BALL-FIELD-S-3

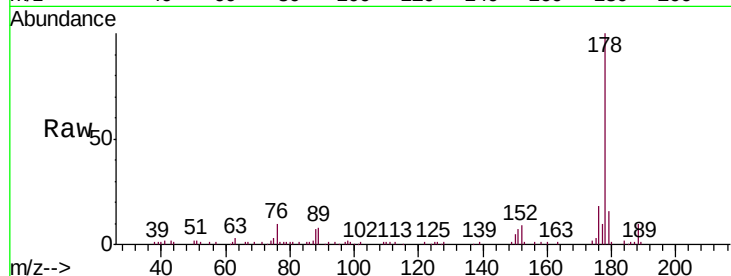
Tgt Ion:178 Resp: 62877

Ion Ratio Lower Upper

178 100

176 18.4 17.2 25.8

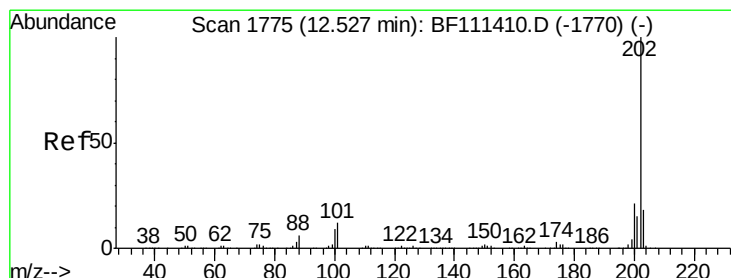
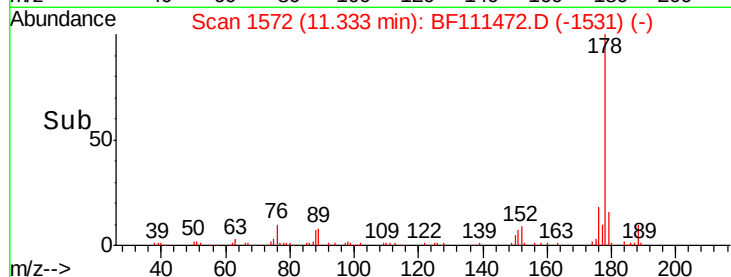
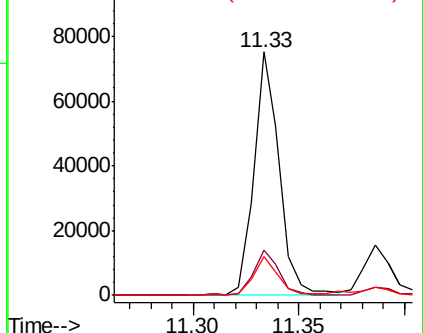
179 16.0 13.8 20.8



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: 5.590 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111472.D

Acq: 15 Dec 2018 16:53

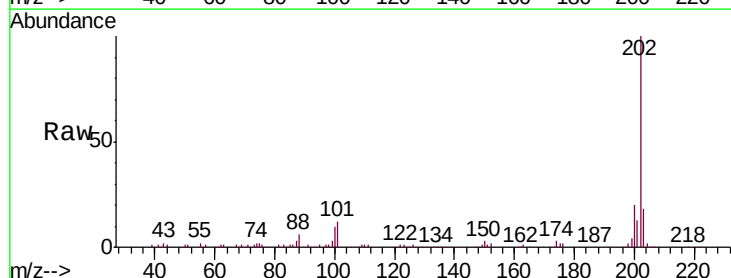
Tgt Ion:202 Resp: 108675

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.8

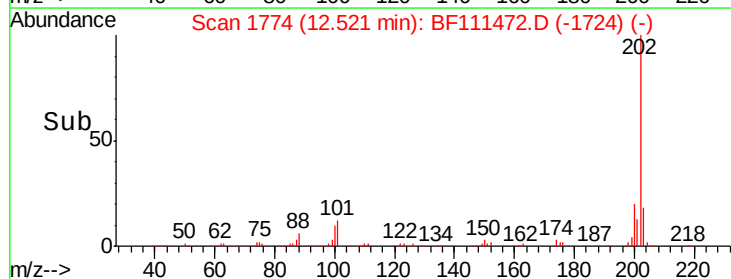
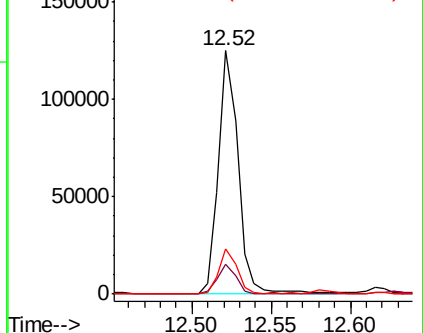
203 18.4 0.0 38.6

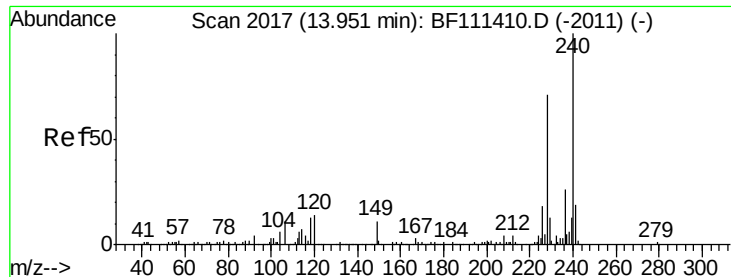


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF111472.D

Acq: 15 Dec 2018 16:53

Instrument :

BNA_F

ClientSampleId :

AVE-X-B-BALL-FIELD-S-3

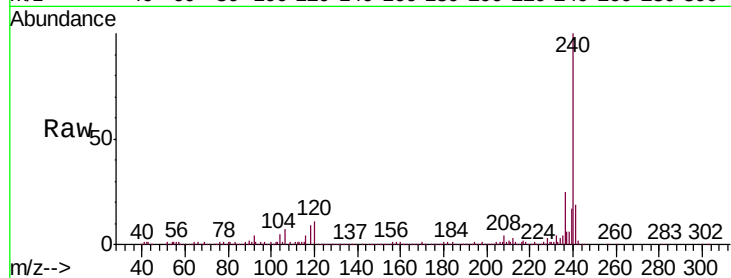
Tgt Ion:240 Resp: 280099

Ion Ratio Lower Upper

240 100

120 10.7 12.2 18.2#

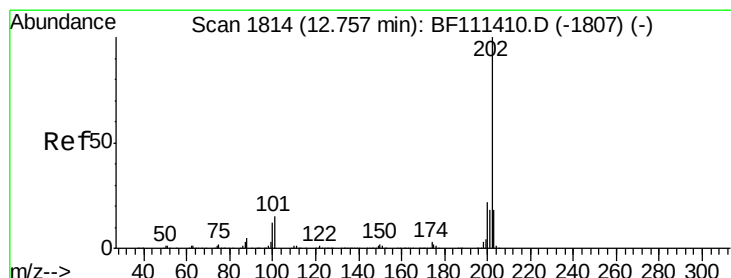
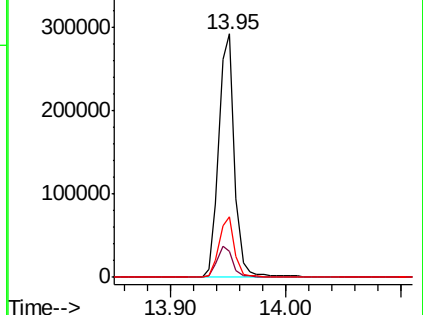
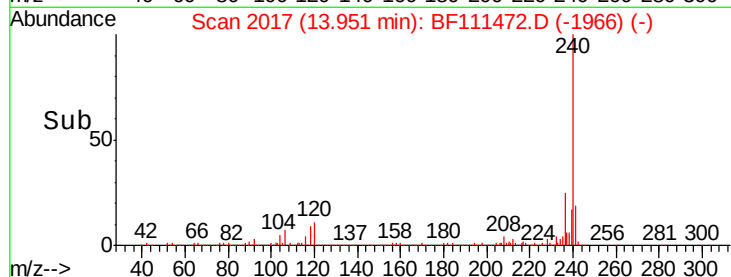
236 25.0 20.2 30.2



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: 5.056 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF111472.D

Acq: 15 Dec 2018 16:53

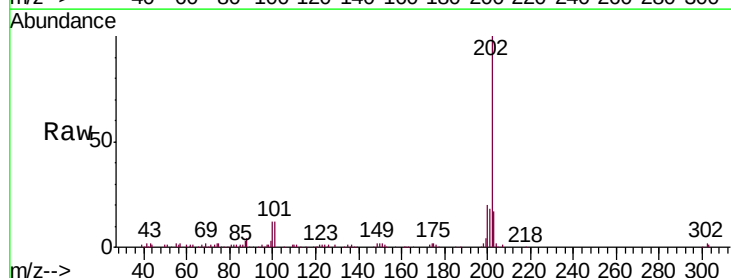
Tgt Ion:202 Resp: 99839

Ion Ratio Lower Upper

202 100

200 19.7 19.0 28.4

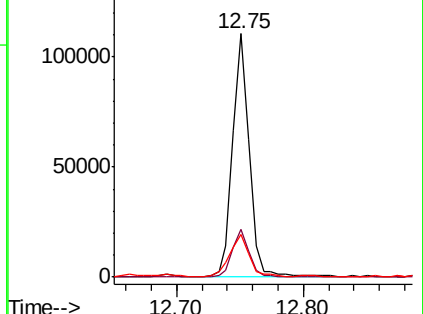
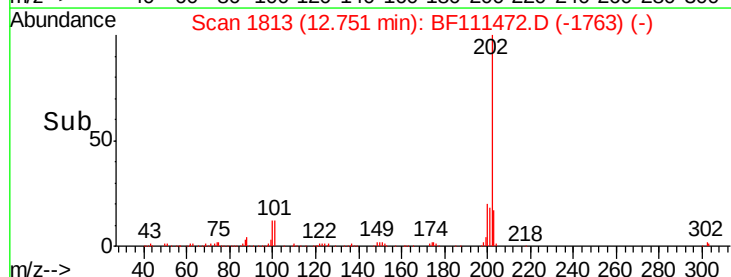
203 17.5 15.2 22.8

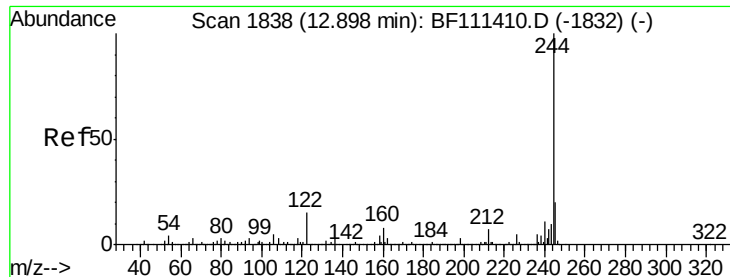


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.767 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF111472.D

Acq: 15 Dec 2018 16:53

Instrument :

BNA_F

ClientSampleId :

AVE-X-B-BALL-FIELD-S-3

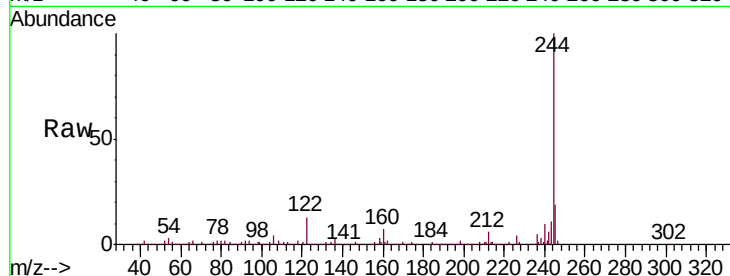
Tgt Ion:244 Resp: 856045

Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

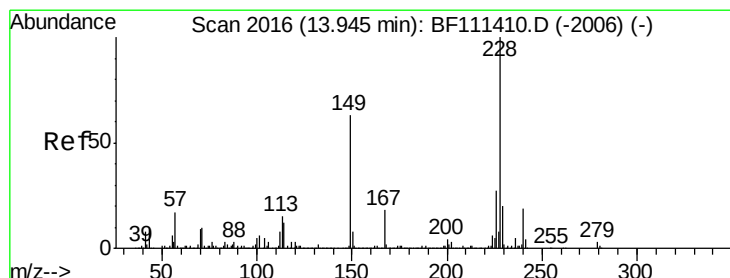
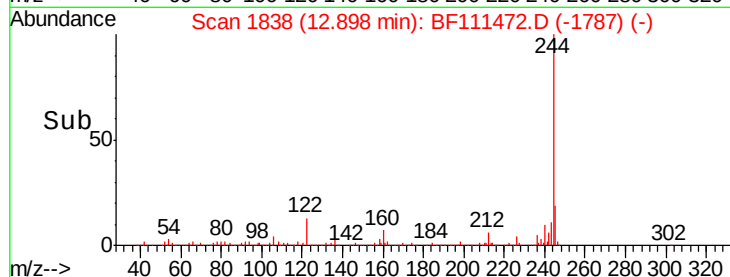
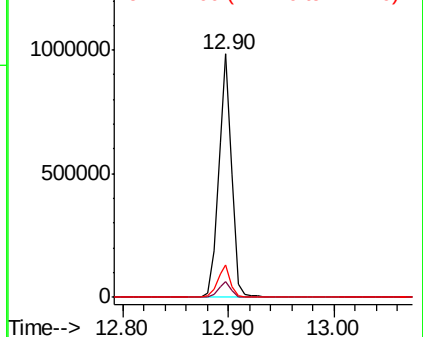
122 13.1 13.1 19.7#



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: 3.259 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111472.D

Acq: 15 Dec 2018 16:53

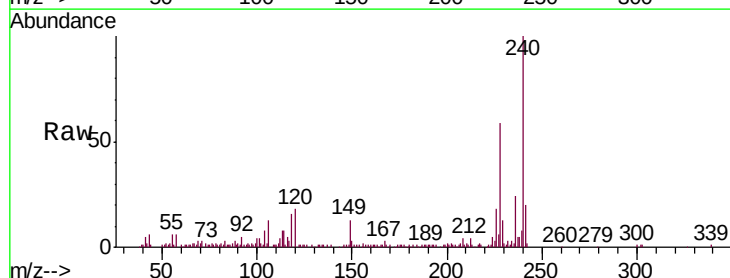
Tgt Ion:228 Resp: 49640

Ion Ratio Lower Upper

228 100

226 30.1 22.6 34.0

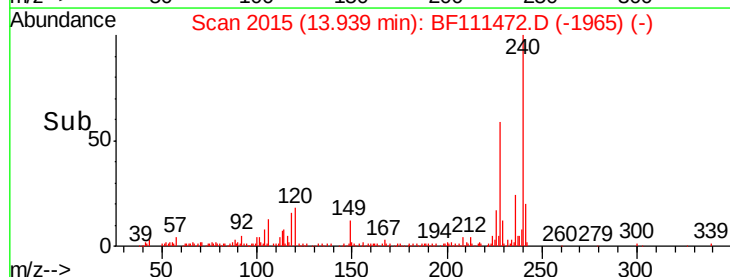
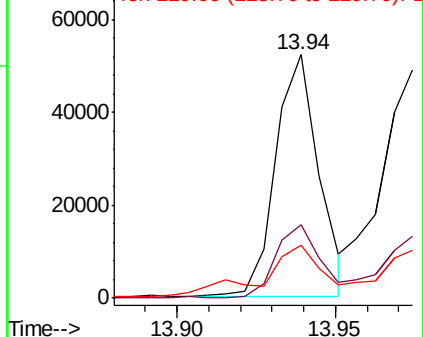
229 21.6 16.3 24.5

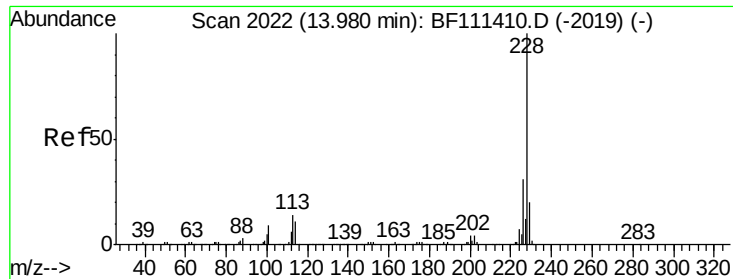


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

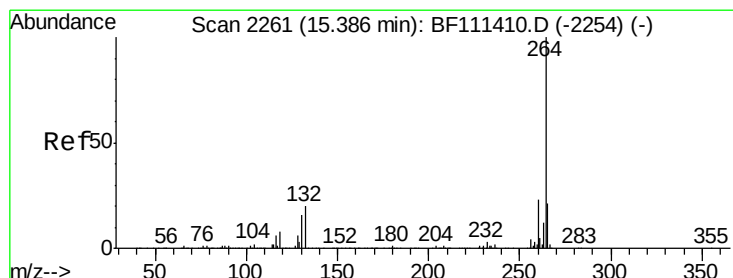
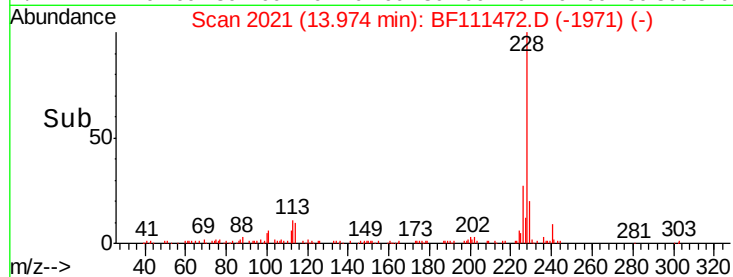
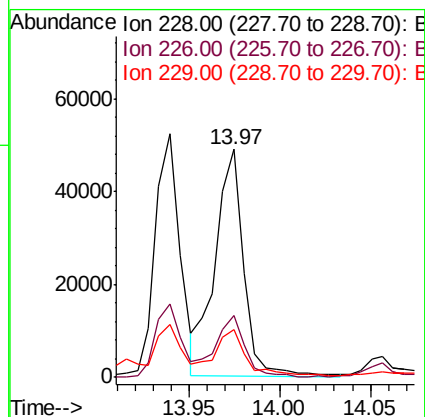
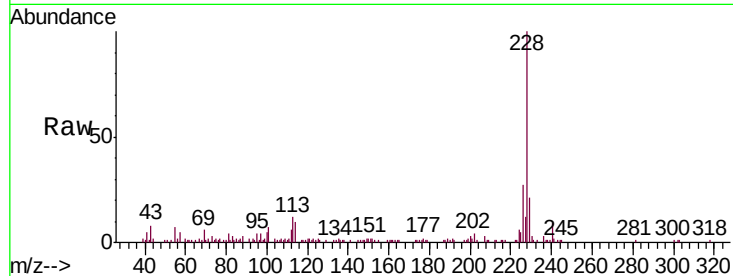




#83
Chrysene
Concen: 3.390 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111472.D
Acq: 15 Dec 2018 16:53

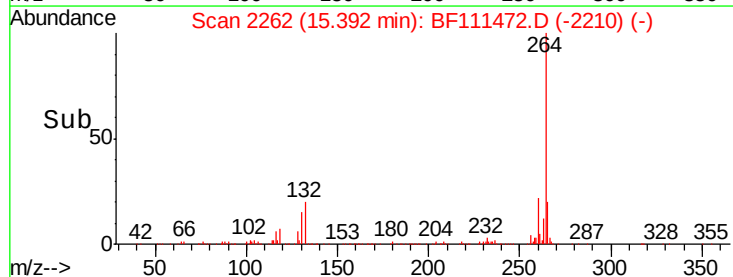
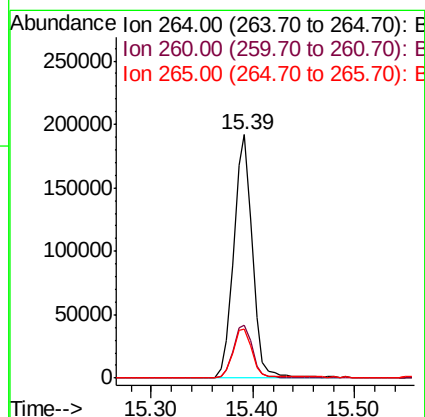
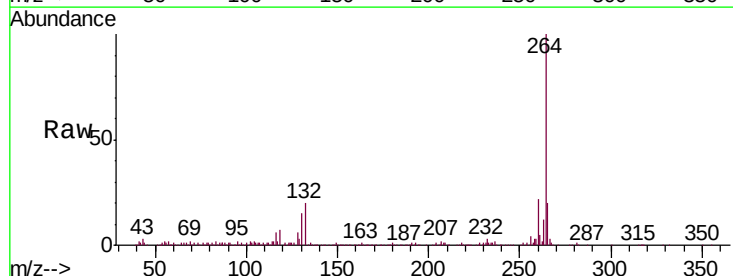
Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-3

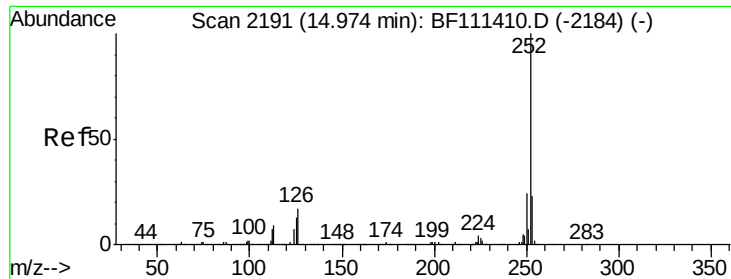
Tgt Ion: 228 Resp: 54393
Ion Ratio Lower Upper
228 100
226 27.0 25.3 37.9
229 20.9 17.2 25.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111472.D
Acq: 15 Dec 2018 16:53

Tgt Ion: 264 Resp: 245285
Ion Ratio Lower Upper
264 100
260 21.5 18.3 27.5
265 20.2 17.7 26.5

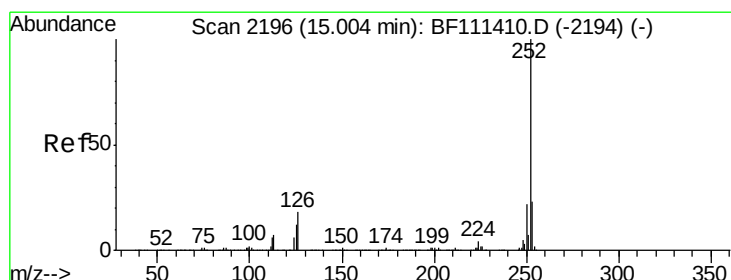
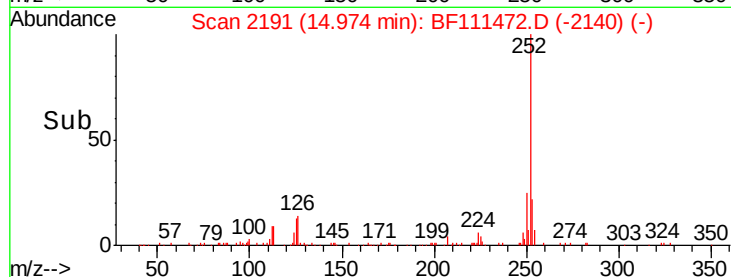
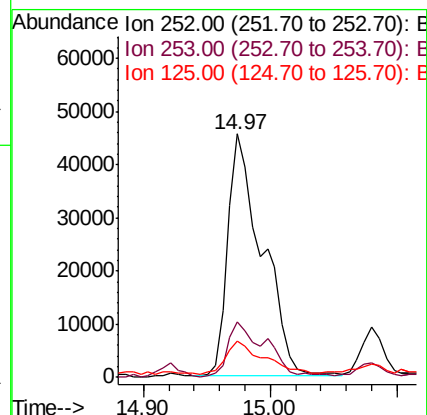
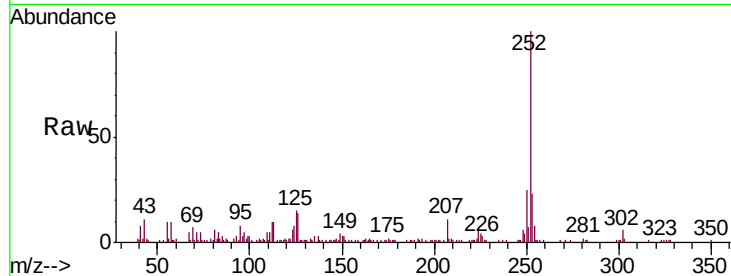




#88
Benzo(b)fluoranthene
Concen: 6.008 ng
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111472.D
Acq: 15 Dec 2018 16:53

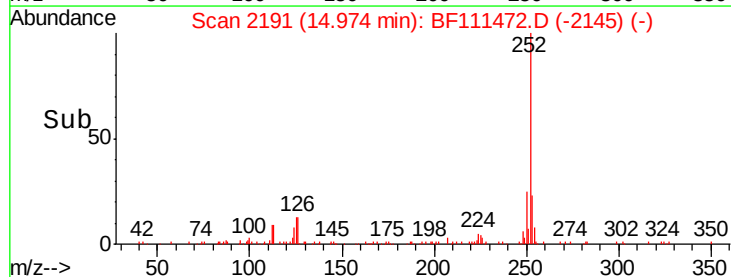
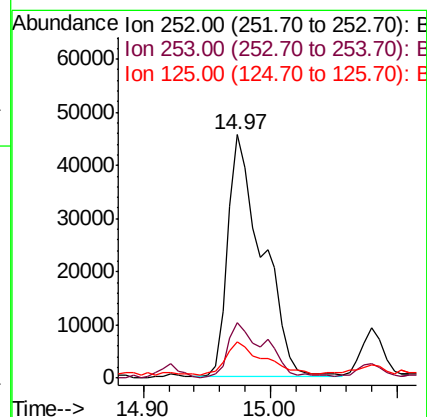
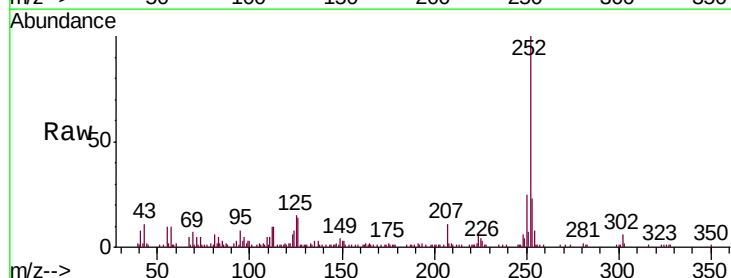
Instrument :
BNA_F
ClientSampleId :
AVE-X-B-BALL-FIELD-S-3

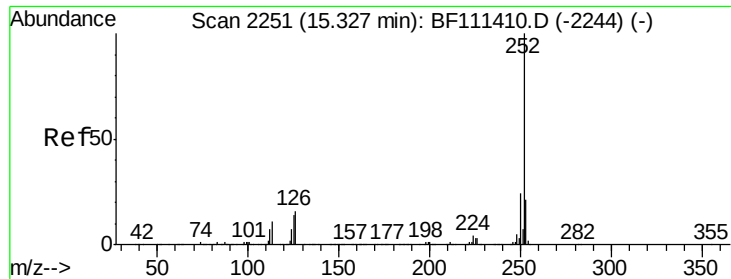
Tgt Ion:252 Resp: 85918
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 15.0 10.4 15.6



#89
Benzo(k)fluoranthene
Concen: 6.288 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.03 min
Lab File: BF111472.D
Acq: 15 Dec 2018 16:53

Tgt Ion:252 Resp: 85918
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 15.0 9.8 14.8#





#90

Benzo(a)pyrene

Concen: 3.237 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BF111472.D

Acq: 15 Dec 2018 16:53

Instrument :

BNA_F

ClientSampleId :

AVE-X-B-BALL-FIELD-S-3

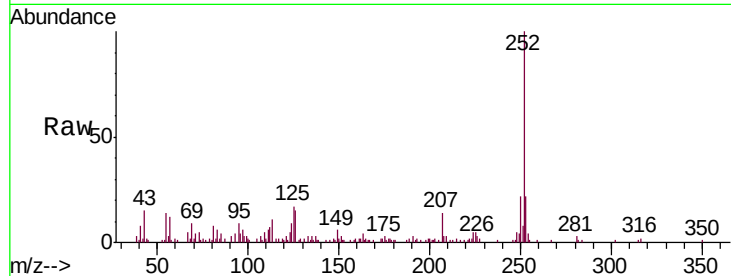
Tgt Ion:252 Resp: 41745

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

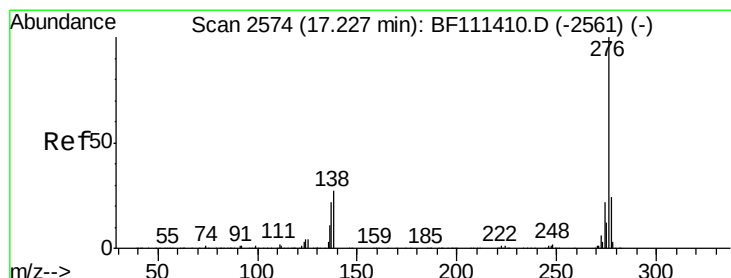
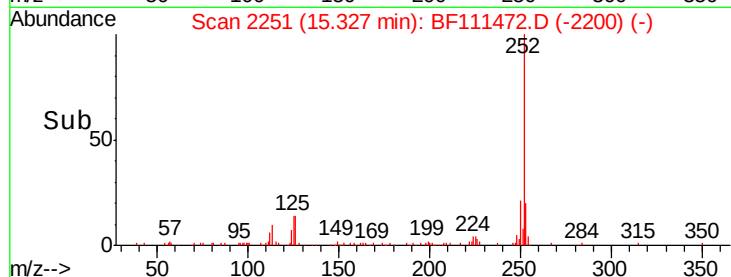
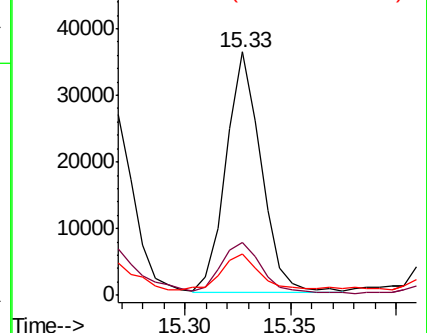
125 16.8 12.3 18.5



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



#92

Benzo(g,h,i)perylene

Concen: 2.008 ng

RT: 17.23 min Scan# 2574

Delta R.T. 0.00 min

Lab File: BF111472.D

Acq: 15 Dec 2018 16:53

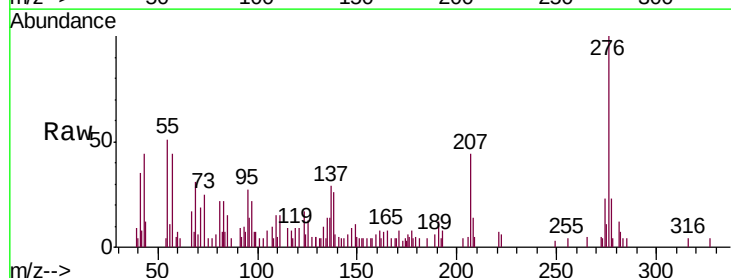
Tgt Ion:276 Resp: 20054

Ion Ratio Lower Upper

276 100

277 22.8 19.2 28.8

138 25.7 24.9 37.3



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

