

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111529.D
 Acq On : 17 Dec 2018 10:29
 Operator : JU/SJ
 Sample : J6386-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-1824-02

Quant Time: Dec 18 04:06:51 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	183292	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	598023	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	320221	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	411098	20.00	ng	0.00
76) Chrysene-d12	13.95	240	294130	20.00	ng	0.00
87) Perylene-d12	15.39	264	406718	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1435523	130.33	ng	0.01
7) Phenol-d6	6.45	99	1879030	128.25	ng	0.00
23) Nitrobenzene-d5	7.35	82	1164750	115.98	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	280934	97.94	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1798309	86.74	ng	0.00
79) Terphenyl-d14	12.90	244	1120491	89.46	ng	0.00

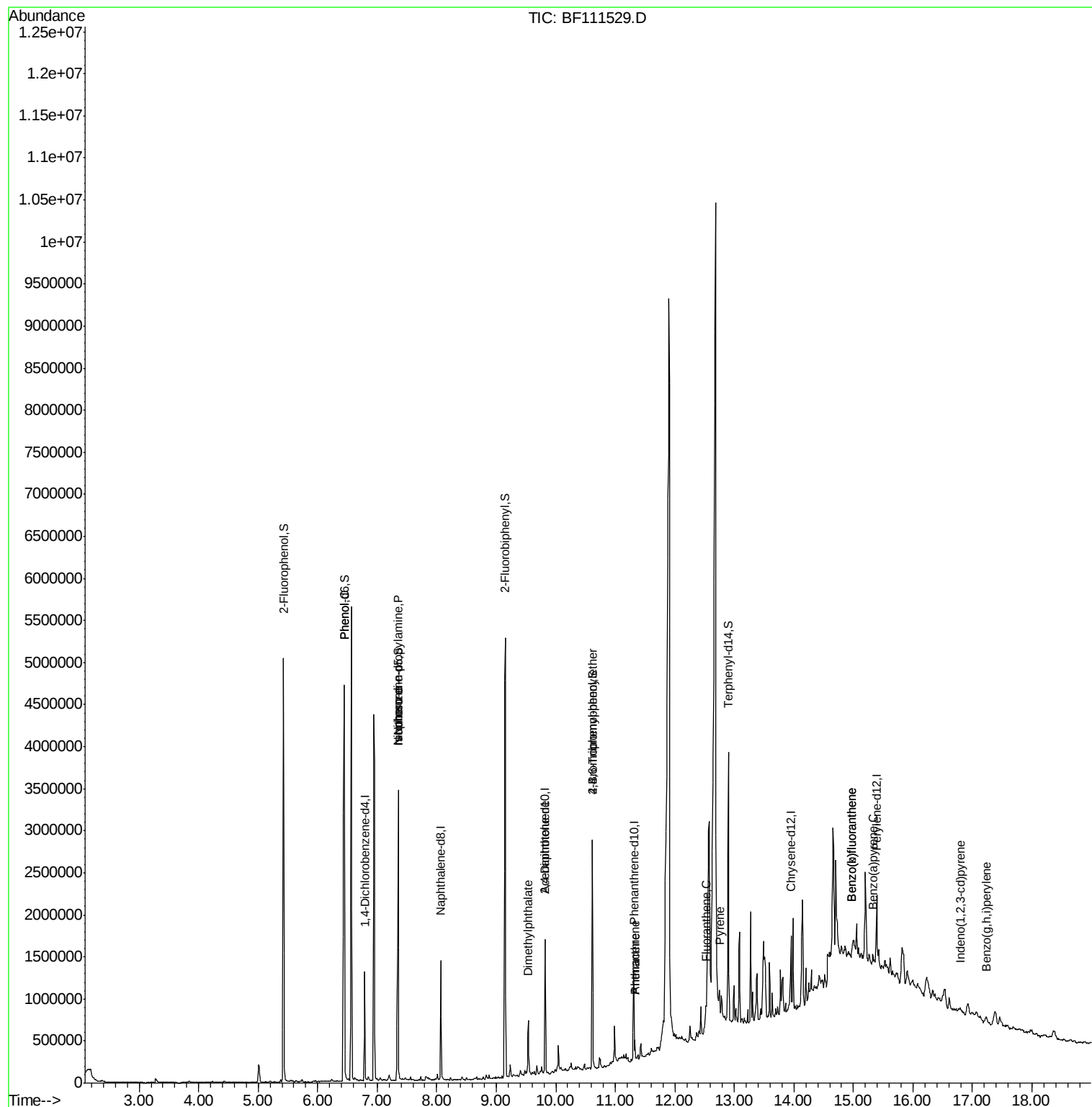
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	139512	8.548	ng	98
19) n-Nitroso-di-n-propylamine	7.35	70	155168	16.052	ng	# 80
25) Isophorone	7.35	82	1161533	68.357	ng	# 64
50) Dimethylphthalate	9.54	163	223281	9.682	ng	98
57) 2,4-Dinitrotoluene	9.82	165	43722	6.417	ng	# 25
67) 4-Bromophenyl-phenylether	10.62	248	17998	4.062	ng	# 1
71) Phenanthrene	11.33	178	88054	4.157	ng	94
72) Anthracene	11.33	178	88054	4.065	ng	96
75) Fluoranthene	12.52	202	50304	2.427	ng	98
78) Pyrene	12.75	202	87517	4.220	ng	95
86) Indeno(1,2,3-cd)pyrene	16.80	276	26299	2.163	ng	97
88) Benzo(b)fluoranthene	14.97	252	57473	2.424	ng	# 55
89) Benzo(k)fluoranthene	14.97	252	57473	2.537	ng	# 55
90) Benzo(a)pyrene	15.33	252	46015	2.152	ng	# 64
92) Benzo(g,h,i)perylene	17.23	276	35815	2.163	ng	# 93

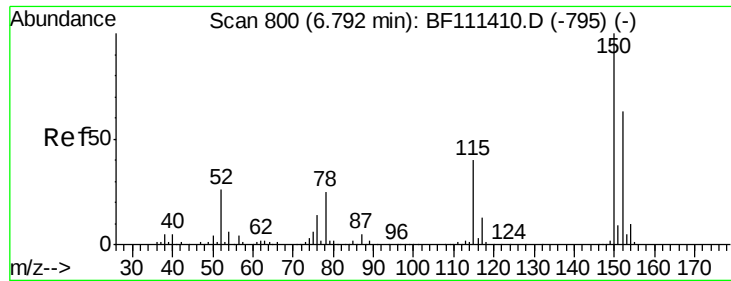
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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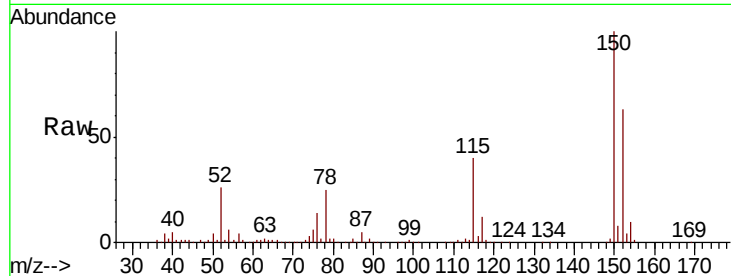


#1

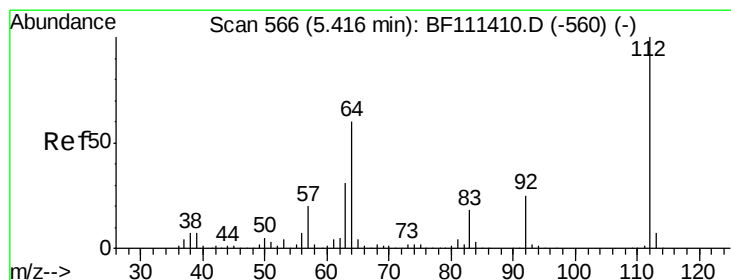
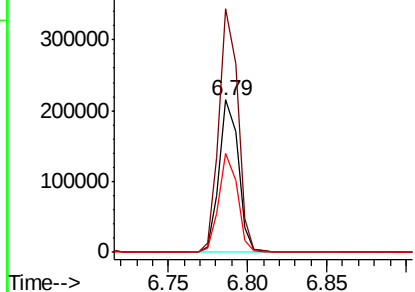
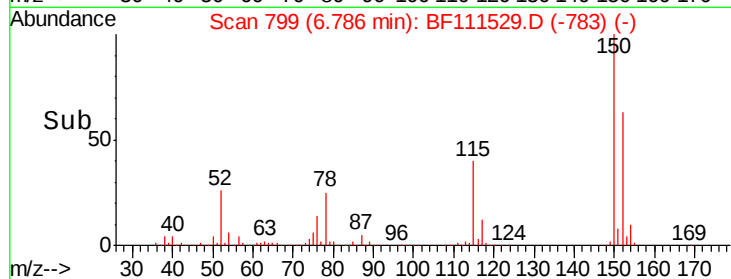
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF111529.D
Acq: 17 Dec 2018 10:29

Instrument :
BNA_F
ClientSampleId :
P001-SS006-1824-02

Tgt Ion:152 Resp: 183292
Ion Ratio Lower Upper
152 100
150 159.5 126.6 189.8
115 64.4 50.7 76.1



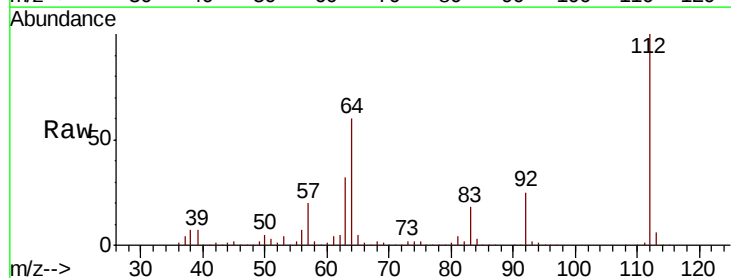
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



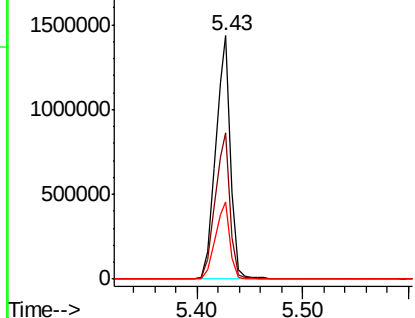
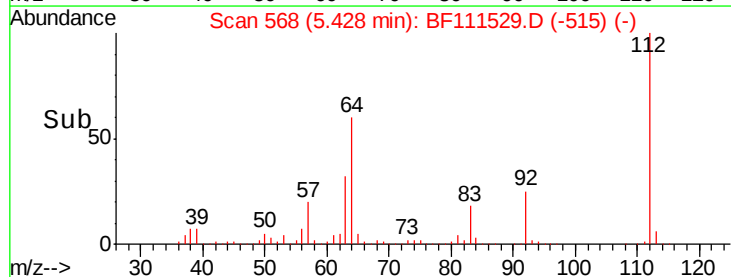
#5

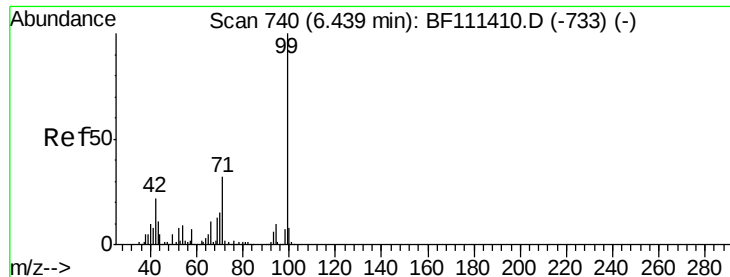
2-Fluorophenol
Concen: 130.327 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF111529.D
Acq: 17 Dec 2018 10:29

Tgt Ion:112 Resp: 1435523
Ion Ratio Lower Upper
112 100
64 60.0 51.8 77.6
63 31.8 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: 128.248 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111529.D

Acq: 17 Dec 2018 10:29

Instrument :

BNA_F

ClientSampleId :

P001-SS006-1824-02

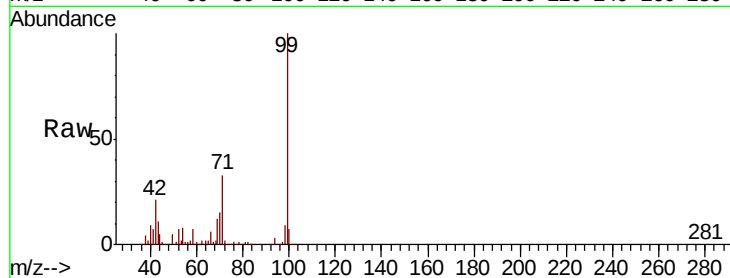
Tgt Ion: 99 Resp: 1879030

Ion Ratio Lower Upper

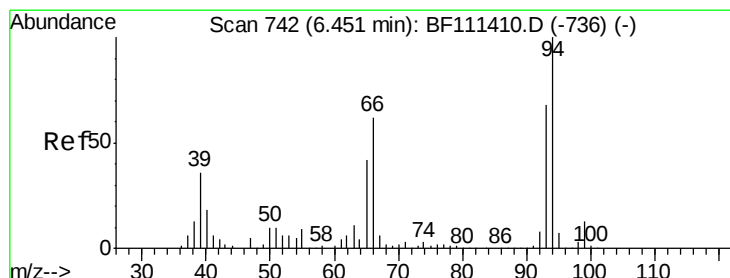
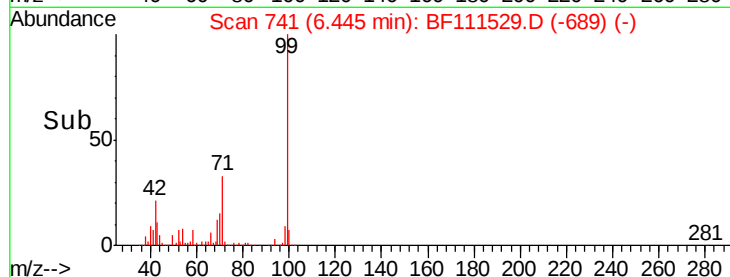
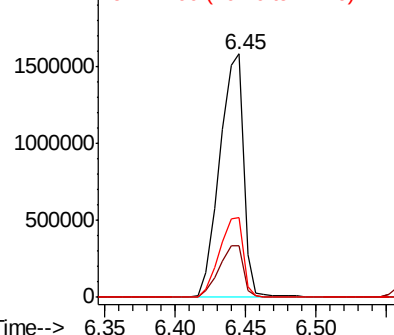
99 100

42 21.0 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: 8.548 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111529.D

Acq: 17 Dec 2018 10:29

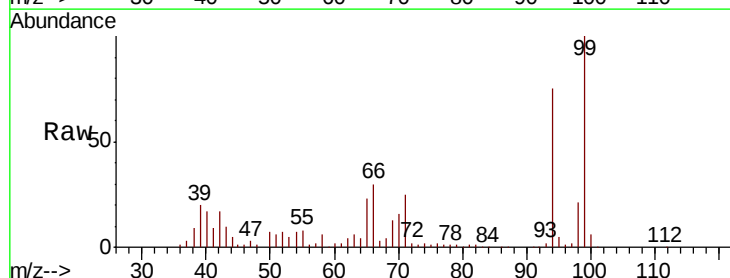
Tgt Ion: 94 Resp: 139512

Ion Ratio Lower Upper

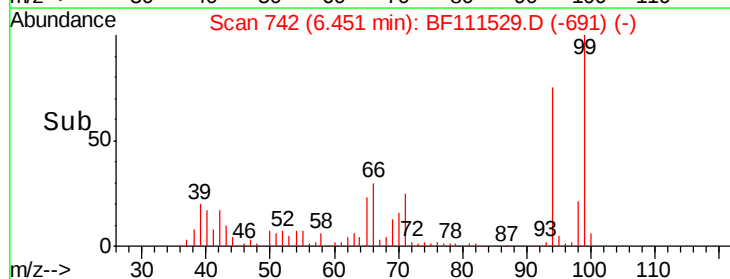
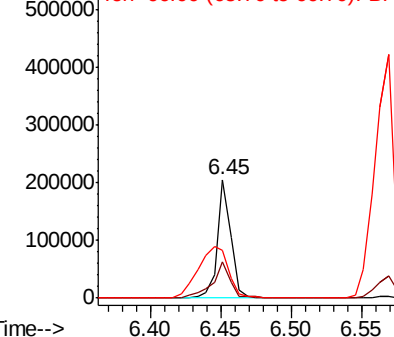
94 100

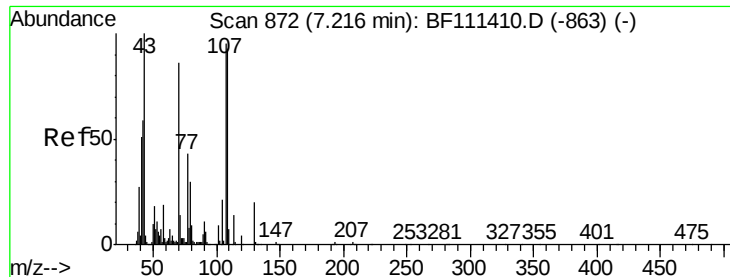
65 30.6 11.7 51.7

66 40.1 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

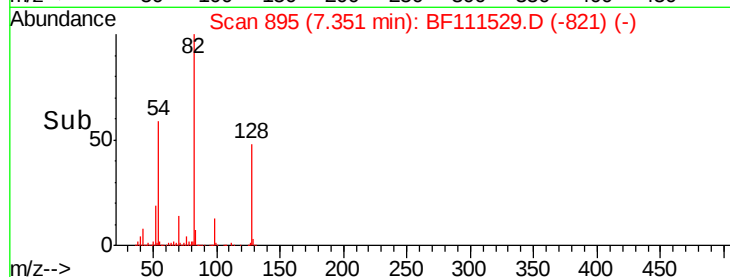
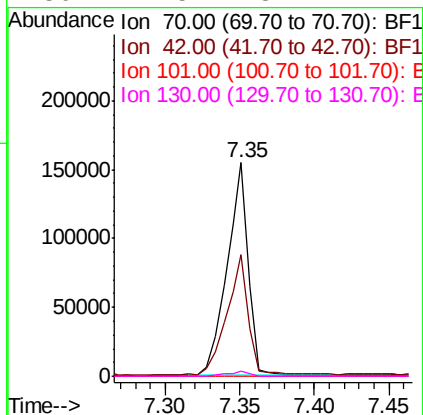
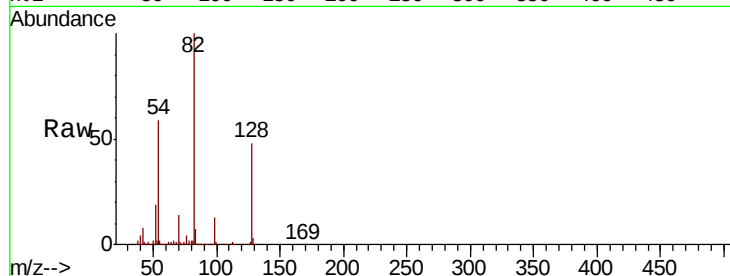




#19
n-Nitroso-di-n-propylamine
Concen: 16.052 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111529.D
Acq: 17 Dec 2018 10:29

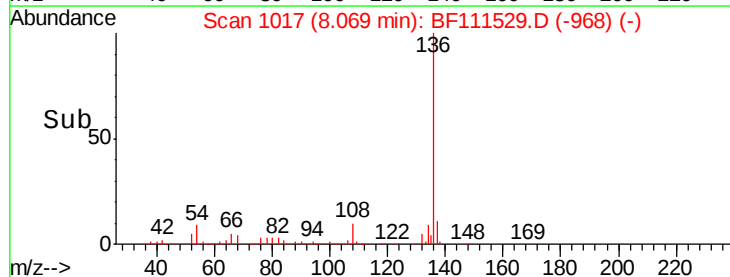
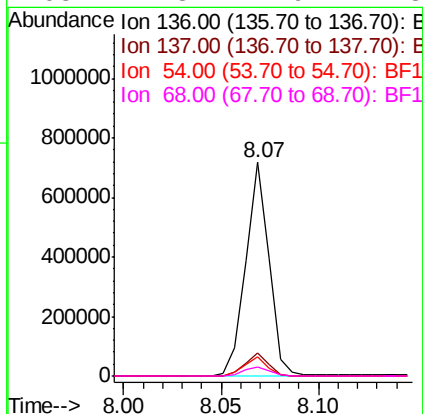
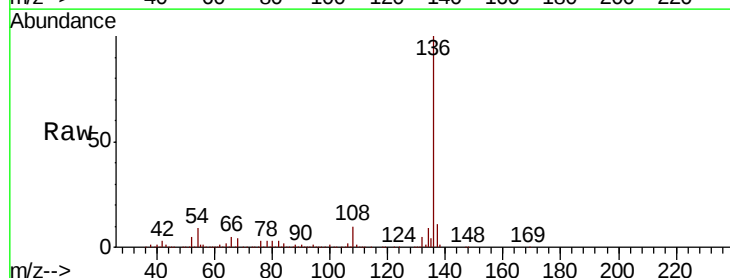
Instrument :
BNA_F
ClientSampleId :
P001-SS006-1824-02

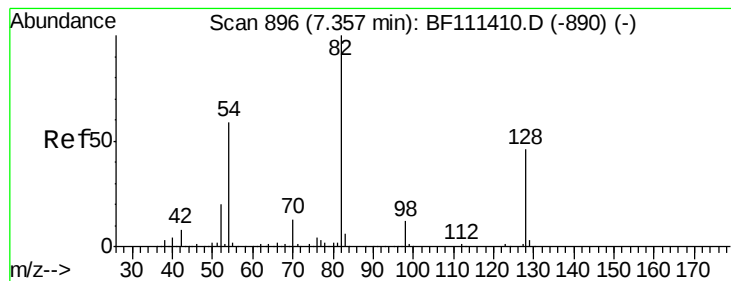
Tgt Ion: 70 Resp: 155168
Ion Ratio Lower Upper
70 100
42 56.9 53.2 79.8
101 0.0 8.2 12.4#
130 2.5 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111529.D
Acq: 17 Dec 2018 10:29

Tgt Ion: 136 Resp: 598023
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 9.2 7.7 11.5
68 4.3 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 115.981 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111529.D

Acq: 17 Dec 2018 10:29

Instrument :

BNA_F

ClientSampleId :

P001-SS006-1824-02

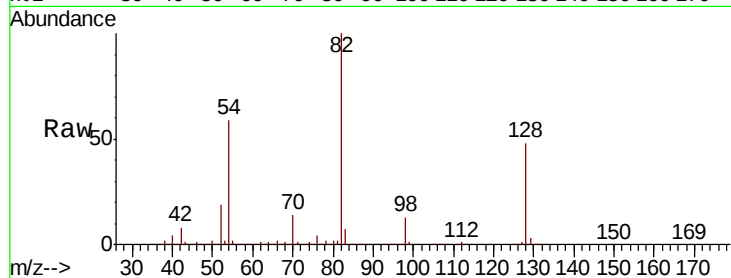
Tgt Ion: 82 Resp: 1164750

Ion Ratio Lower Upper

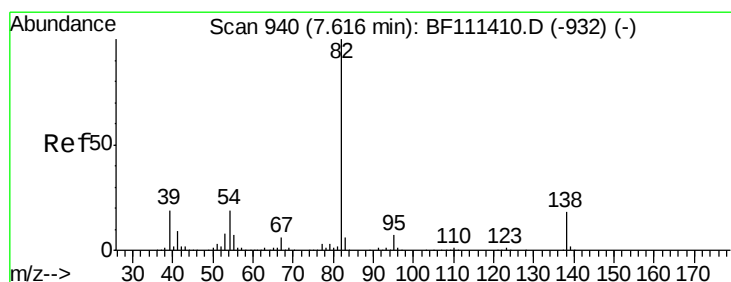
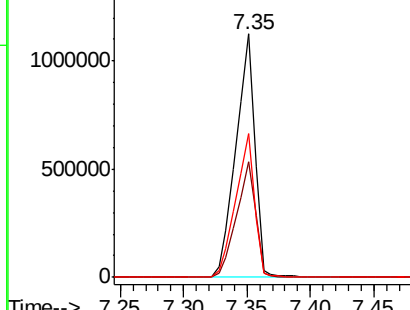
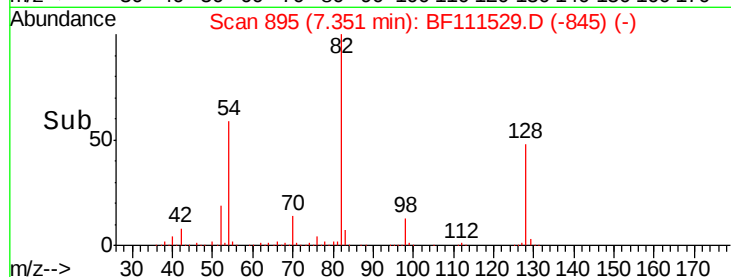
82 100

128 47.7 37.4 56.2

54 59.0 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: 68.357 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.26 min

Lab File: BF111529.D

Acq: 17 Dec 2018 10:29

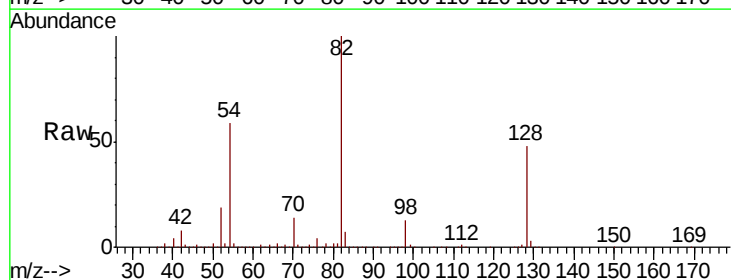
Tgt Ion: 82 Resp: 1161533

Ion Ratio Lower Upper

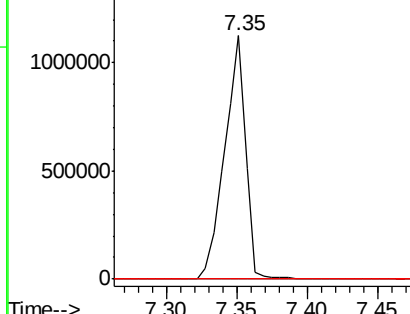
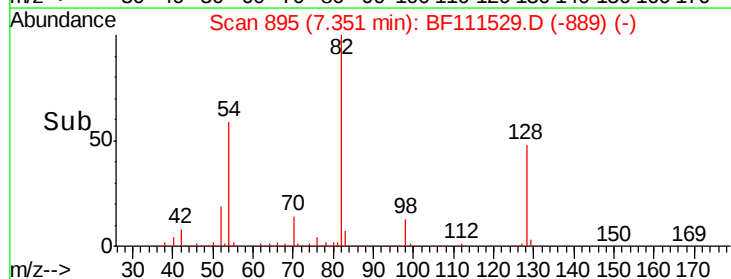
82 100

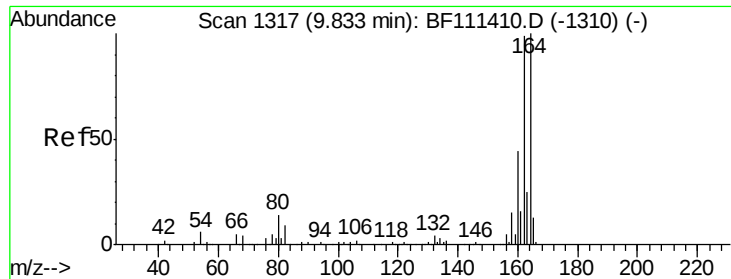
95 0.1 5.4 8.2#

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: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF111529.D

Acq: 17 Dec 2018 10:29

Instrument :

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ClientSampleId :

P001-SS006-1824-02

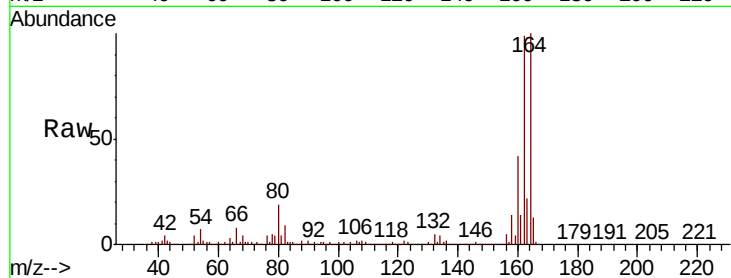
Tgt Ion:164 Resp: 320221

Ion Ratio Lower Upper

164 100

162 99.5 81.4 122.0

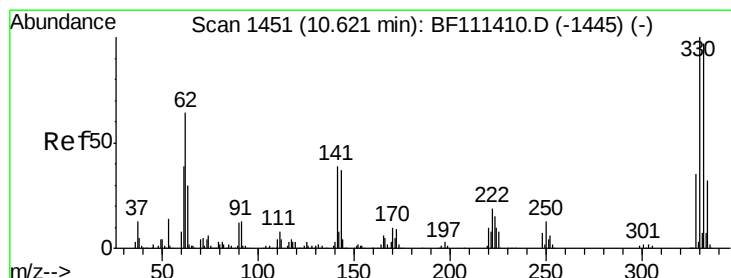
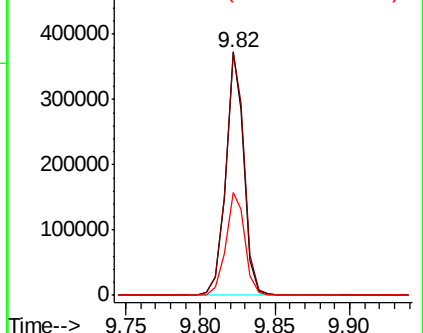
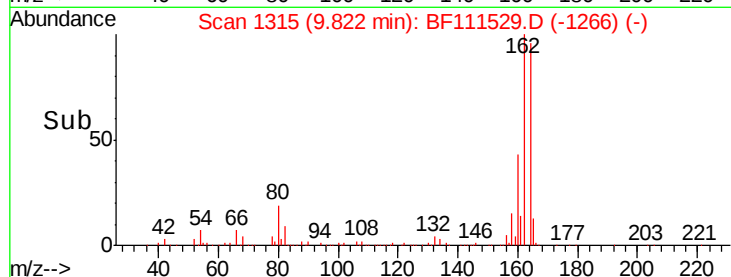
160 42.2 35.7 53.5



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: 97.938 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111529.D

Acq: 17 Dec 2018 10:29

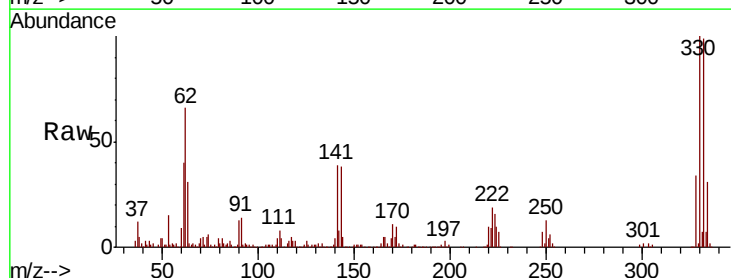
Tgt Ion:330 Resp: 280934

Ion Ratio Lower Upper

330 100

332 97.5 76.0 114.0

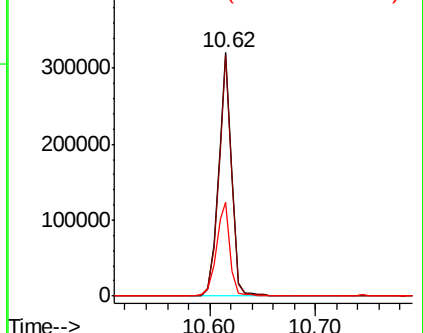
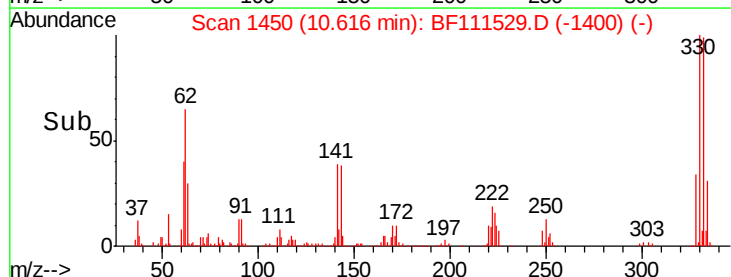
141 39.9 31.0 46.6

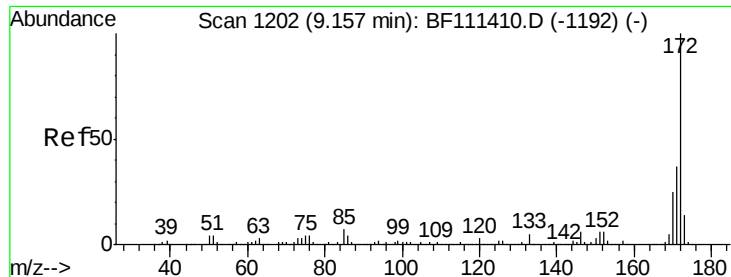


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

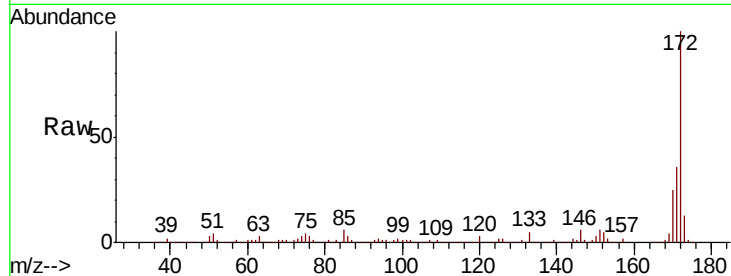




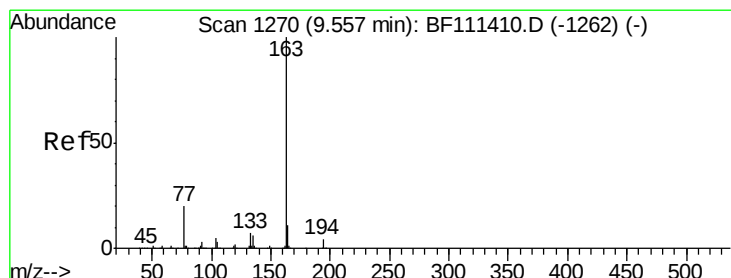
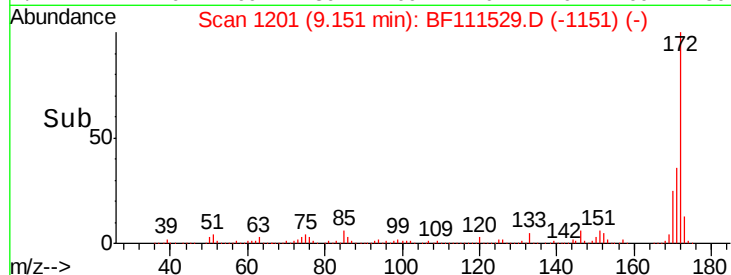
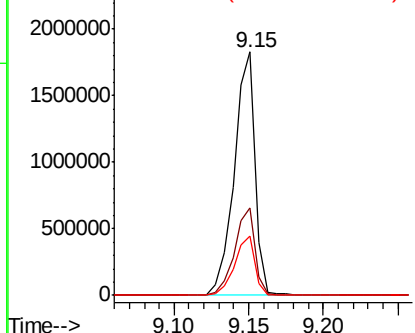
#45
2-Fluorobiphenyl
Concen: 86.744 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111529.D
Acq: 17 Dec 2018 10:29

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P001-SS006-1824-02

Tgt Ion:172 Resp: 1798309
Ion Ratio Lower Upper
172 100
171 36.0 33.0 49.4
170 24.5 22.3 33.5

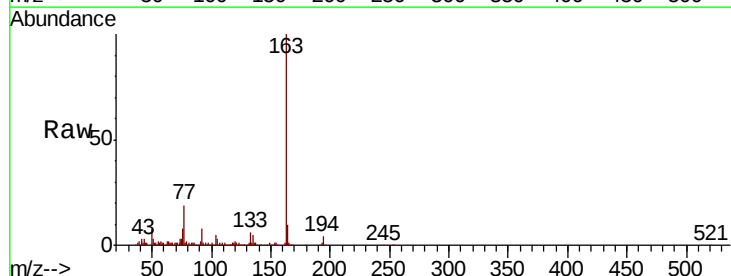


Abundance Ion 172.00 (171.70 to 172.70): E
2500000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

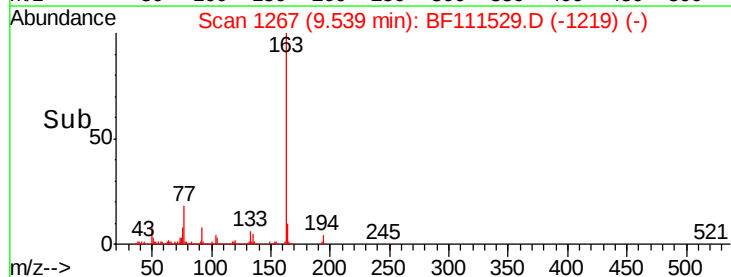
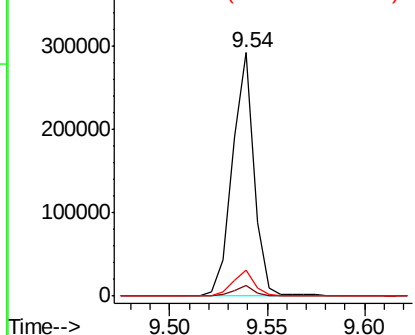


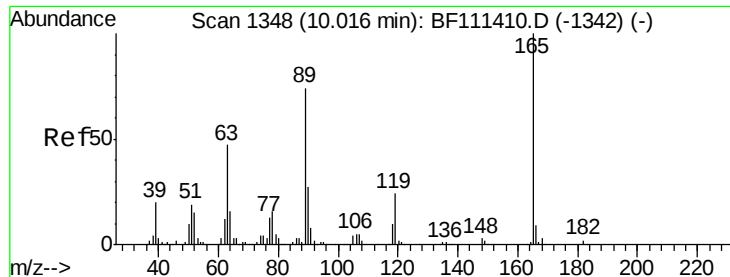
#50
Dimethylphthalate
Concen: 9.682 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111529.D
Acq: 17 Dec 2018 10:29

Tgt Ion:163 Resp: 223281
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 10.4 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E
400000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

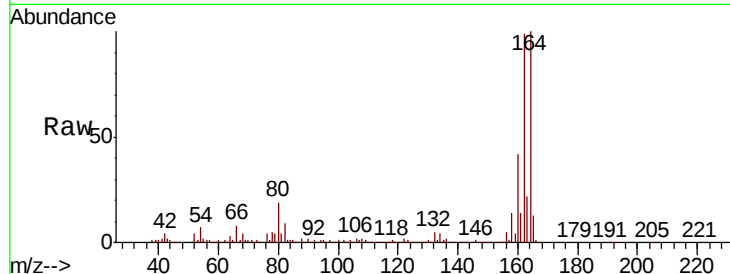




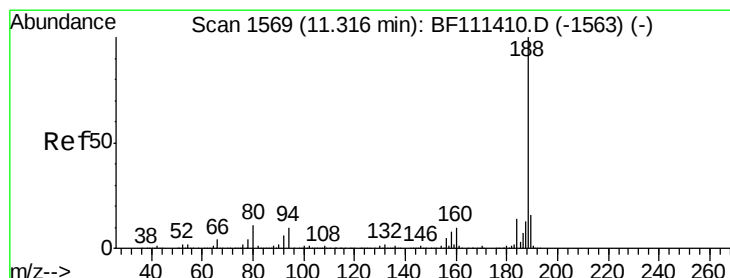
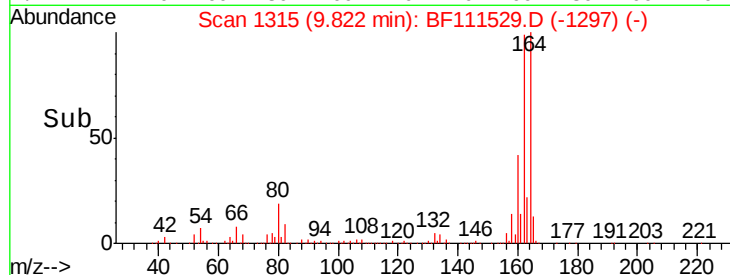
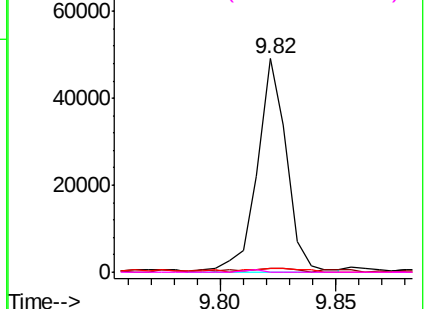
#57
 2,4-Dinitrotoluene
 Concen: 6.417 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.19 min
 Lab File: BF111529.D
 Acq: 17 Dec 2018 10:29

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-1824-02

Tgt Ion:165 Resp: 43722
 Ion Ratio Lower Upper
 165 100
 63 1.7 34.6 52.0#
 89 1.8 56.2 84.4#
 182 0.0 1.8 2.6#

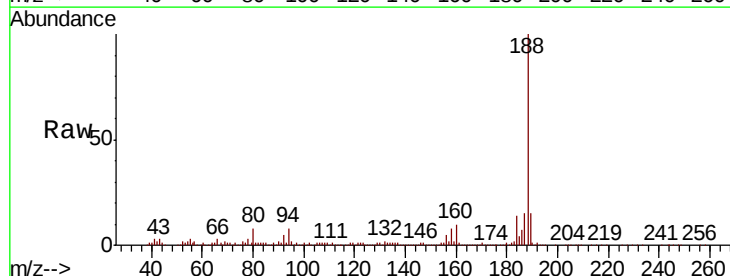


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

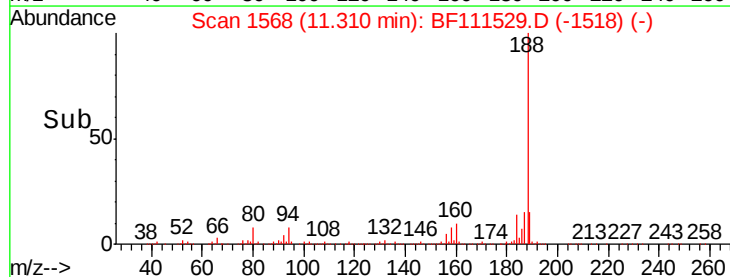
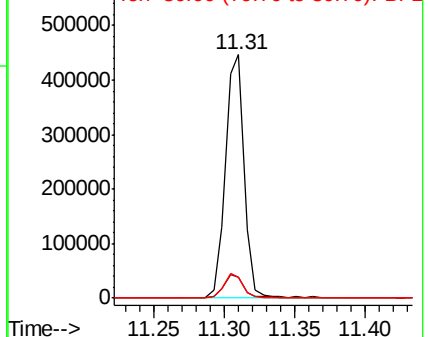


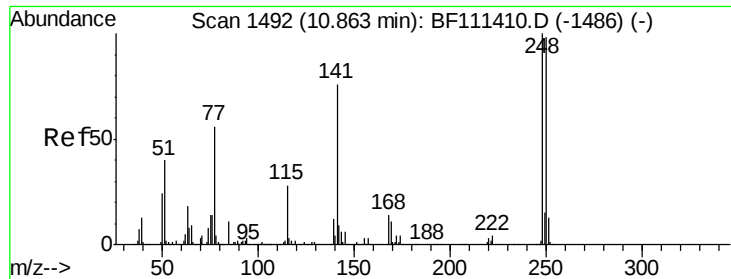
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111529.D
 Acq: 17 Dec 2018 10:29

Tgt Ion:188 Resp: 411098
 Ion Ratio Lower Upper
 188 100
 94 8.4 9.6 14.4#
 80 8.4 9.8 14.6#



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

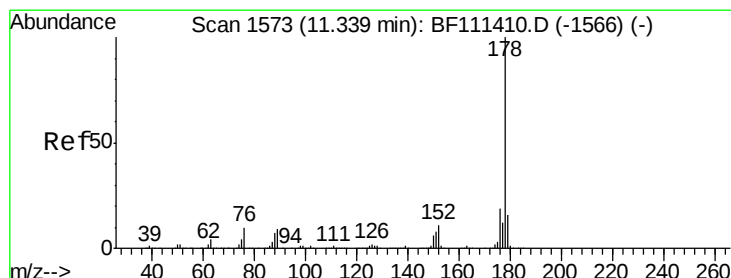
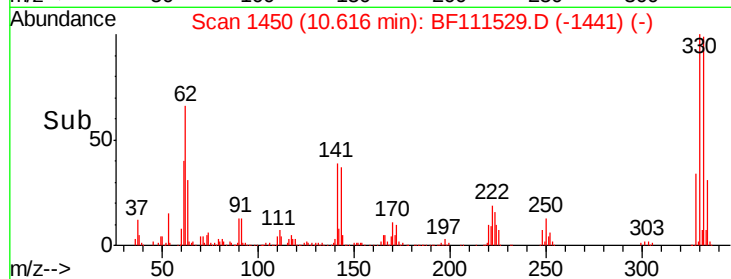
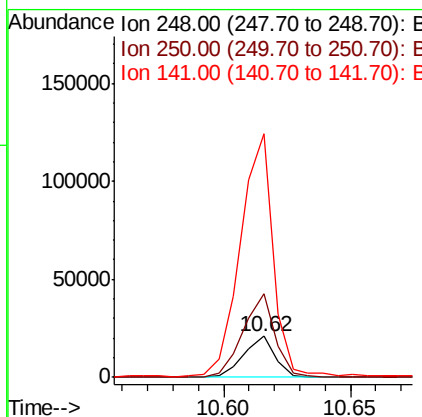
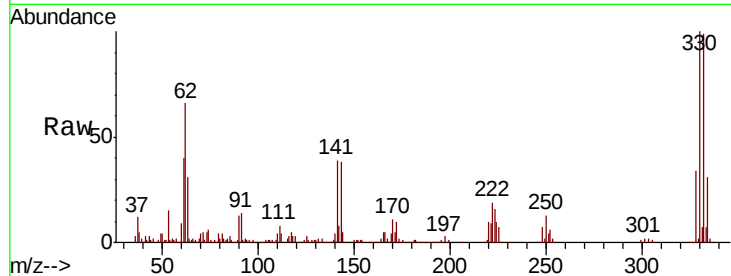




#67
 4-Bromophenyl-phenylether
 Concen: 4.062 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF111529.D
 Acq: 17 Dec 2018 10:29

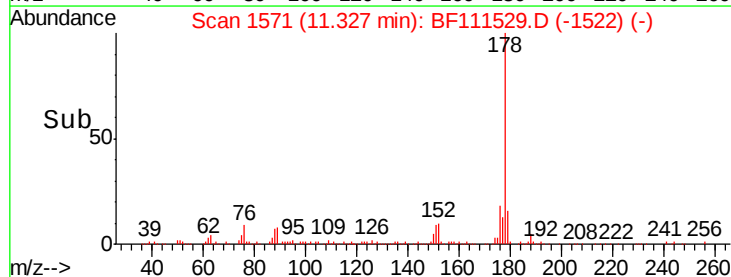
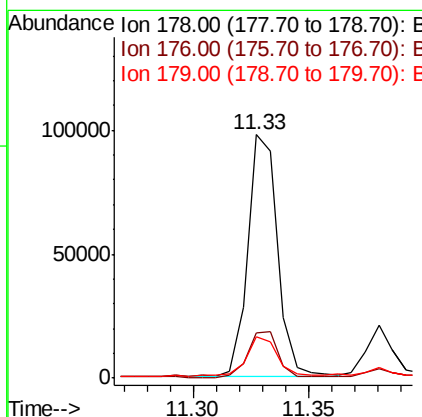
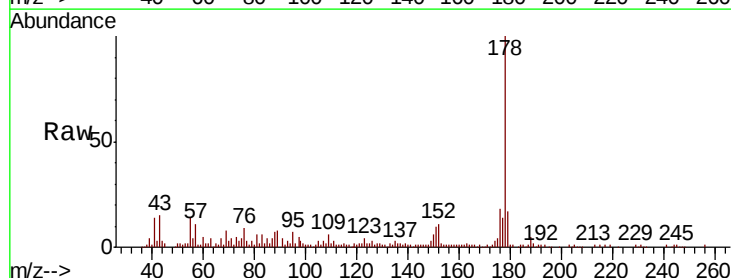
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-1824-02

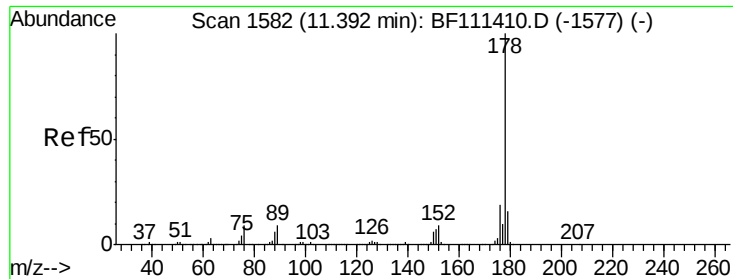
Tgt Ion: 248 Resp: 17998
 Ion Ratio Lower Upper
 248 100
 250 204.6 77.0 115.4#
 141 593.3 63.0 94.6#



#71
 Phenanthrene
 Concen: 4.157 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF111529.D
 Acq: 17 Dec 2018 10:29

Tgt Ion: 178 Resp: 88054
 Ion Ratio Lower Upper
 178 100
 176 18.4 18.1 27.1
 179 16.8 14.0 21.0





#72

Anthracene

Concen: 4.065 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.06 min

Lab File: BF111529.D

Acq: 17 Dec 2018 10:29

Instrument :

BNA_F

ClientSampleId :

P001-SS006-1824-02

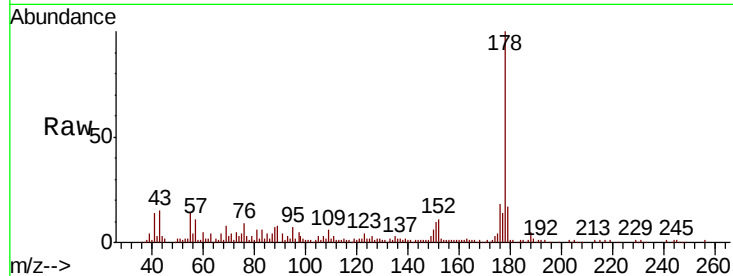
Tgt Ion:178 Resp: 88054

Ion Ratio Lower Upper

178 100

176 18.4 17.2 25.8

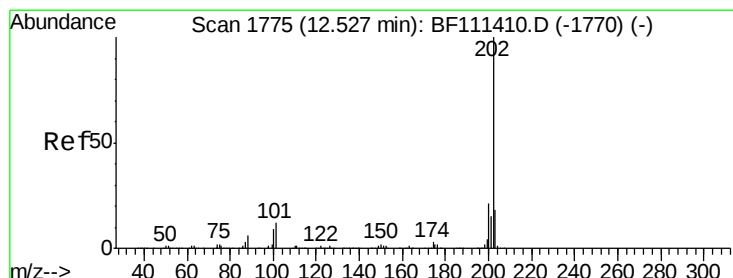
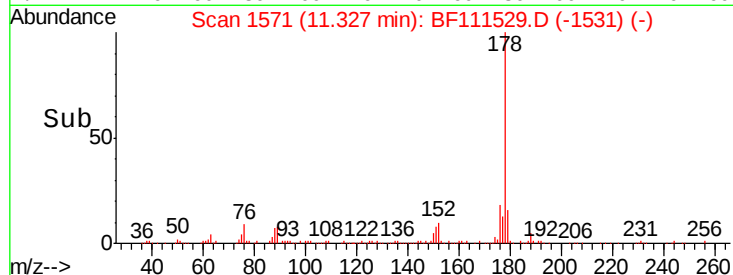
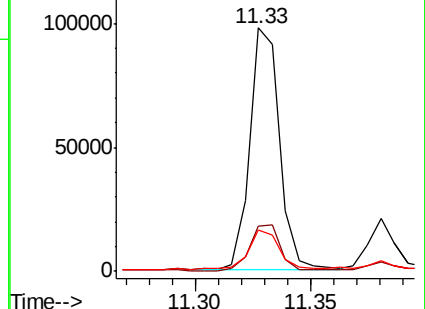
179 16.8 13.8 20.8



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: 2.427 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111529.D

Acq: 17 Dec 2018 10:29

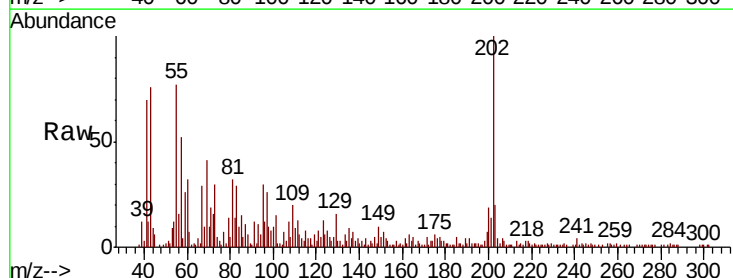
Tgt Ion:202 Resp: 50304

Ion Ratio Lower Upper

202 100

101 14.9 0.0 33.8

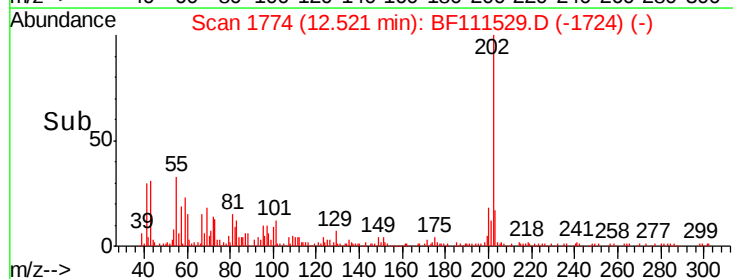
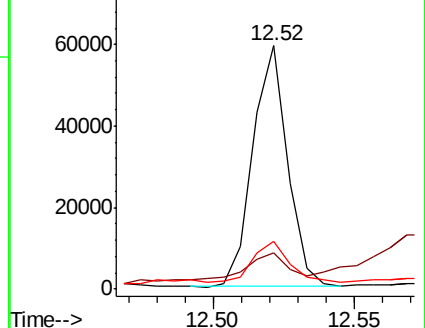
203 19.7 0.0 38.6

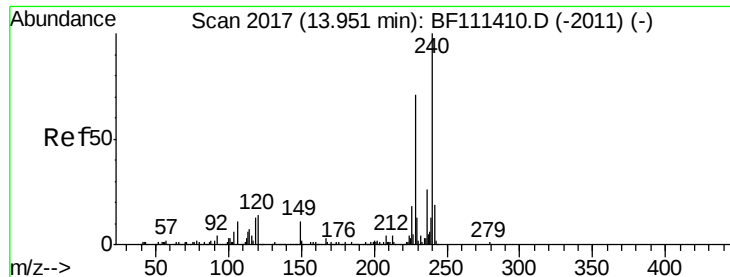


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF111529.D

Acq: 17 Dec 2018 10:29

Instrument :

BNA_F

ClientSampleId :

P001-SS006-1824-02

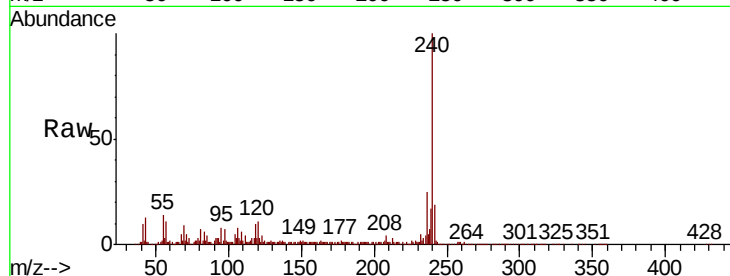
Tgt Ion:240 Resp: 294130

Ion Ratio Lower Upper

240 100

120 11.4 12.2 18.2#

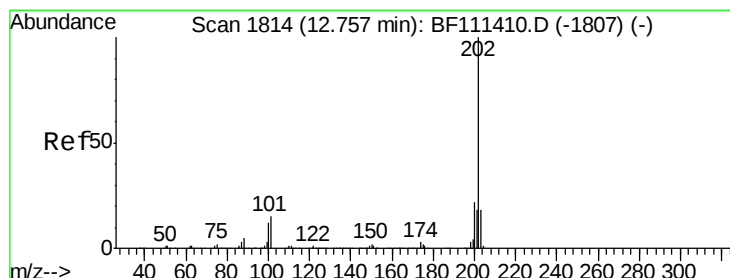
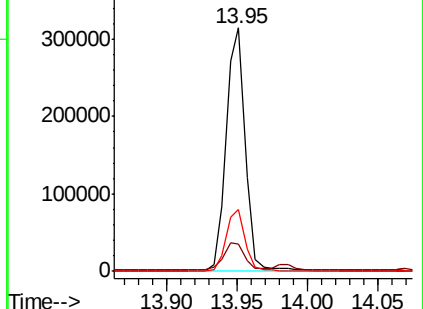
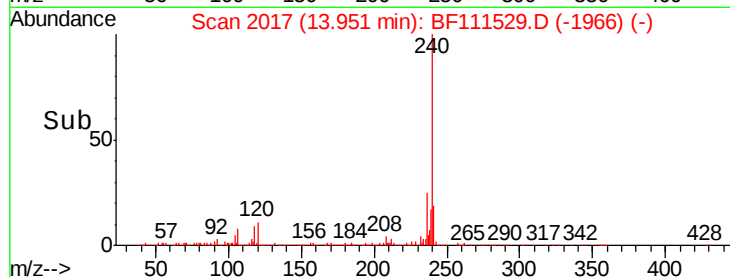
236 25.4 20.2 30.2



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: 4.220 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF111529.D

Acq: 17 Dec 2018 10:29

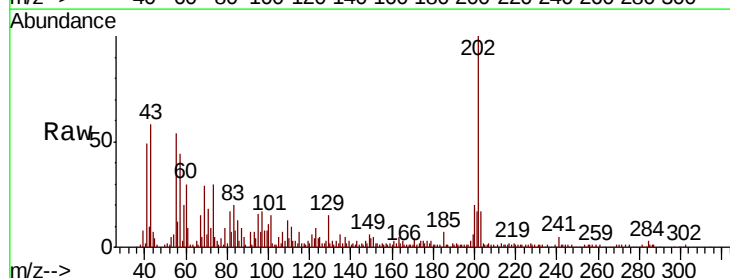
Tgt Ion:202 Resp: 87517

Ion Ratio Lower Upper

202 100

200 20.4 19.0 28.4

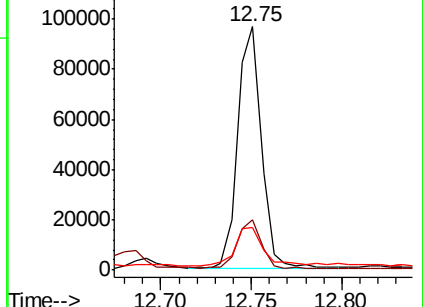
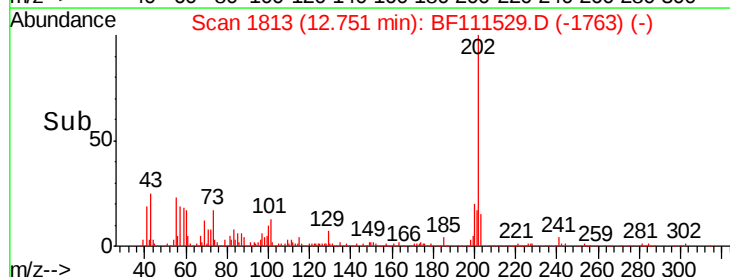
203 17.4 15.2 22.8

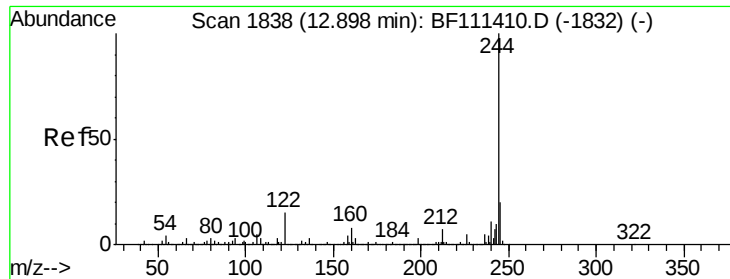


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 89.456 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF111529.D

Acq: 17 Dec 2018 10:29

Instrument :

BNA_F

ClientSampleId :

P001-SS006-1824-02

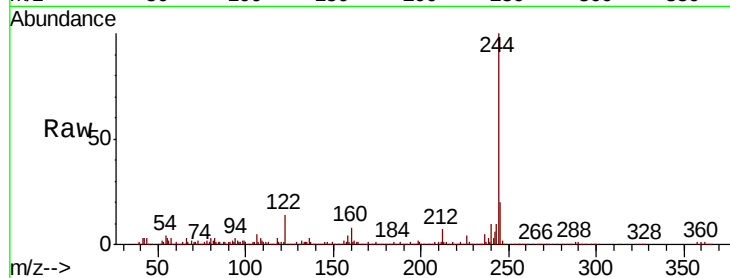
Tgt Ion:244 Resp: 1120491

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

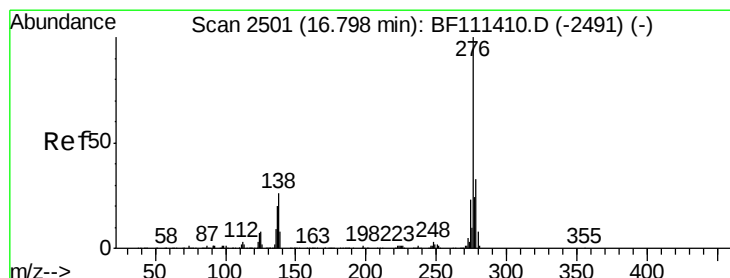
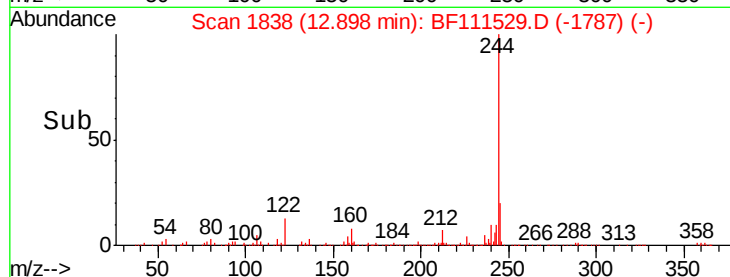
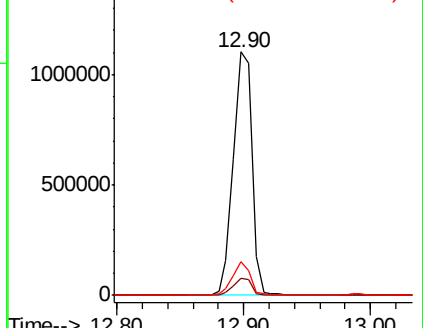
122 13.6 13.1 19.7



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.163 ng

RT: 16.80 min Scan# 2502

Delta R.T. 0.01 min

Lab File: BF111529.D

Acq: 17 Dec 2018 10:29

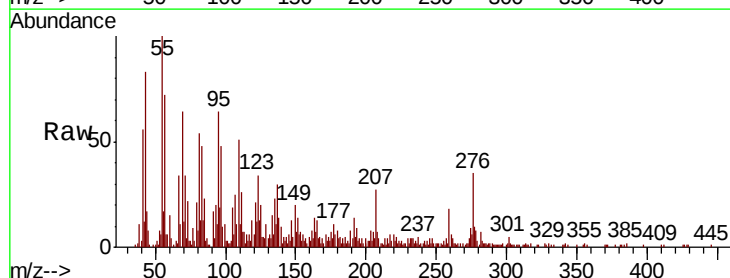
Tgt Ion:276 Resp: 26299

Ion Ratio Lower Upper

276 100

138 35.6 27.8 41.6

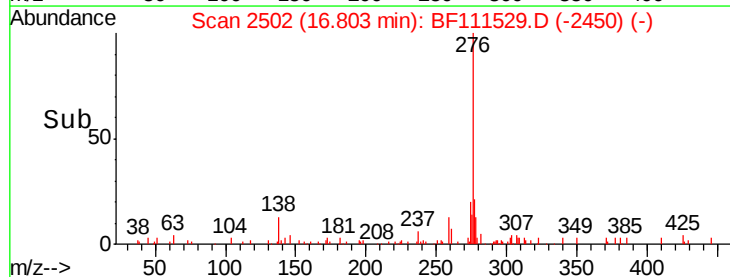
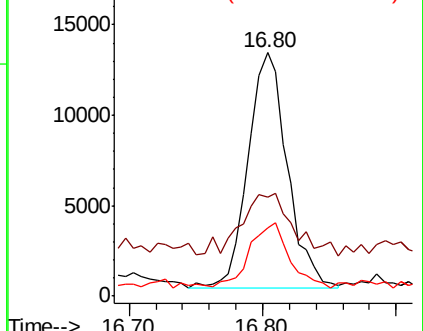
277 28.0 20.1 30.1

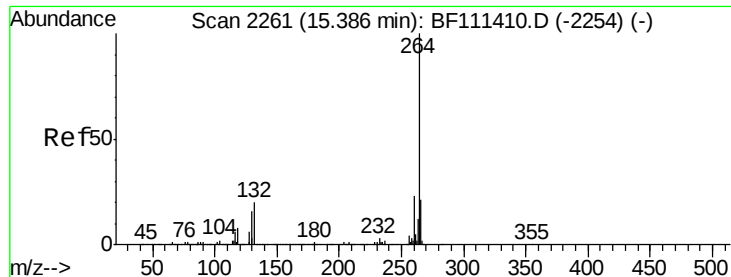


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

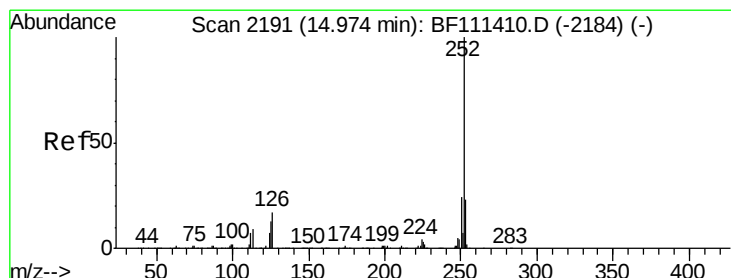
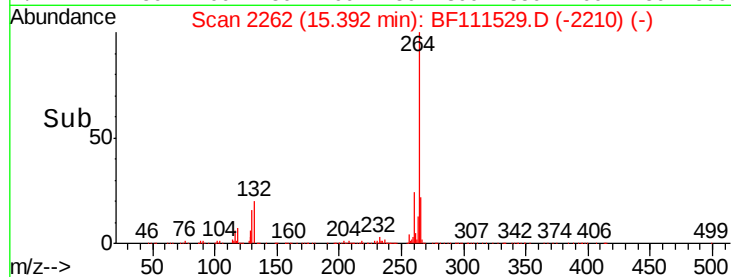
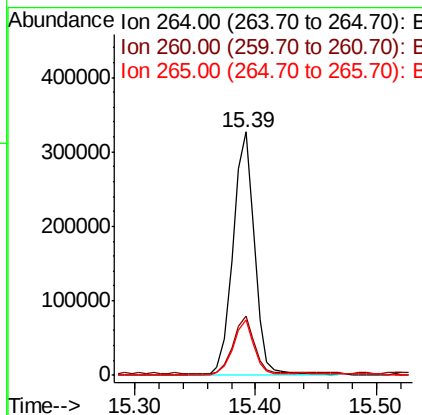
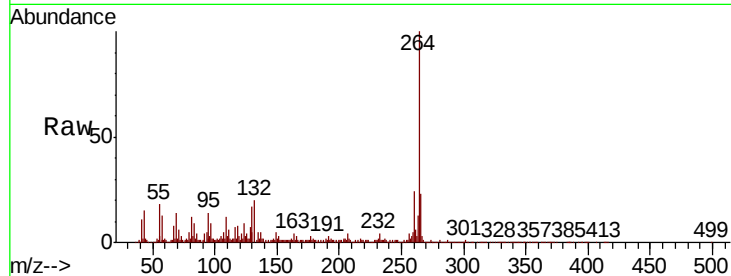




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111529.D
Acq: 17 Dec 2018 10:29

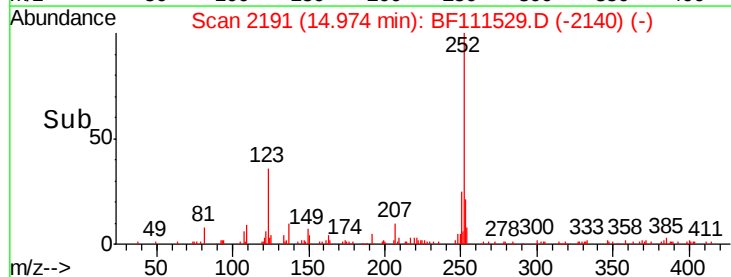
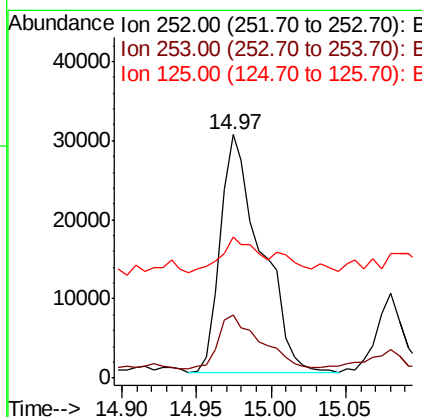
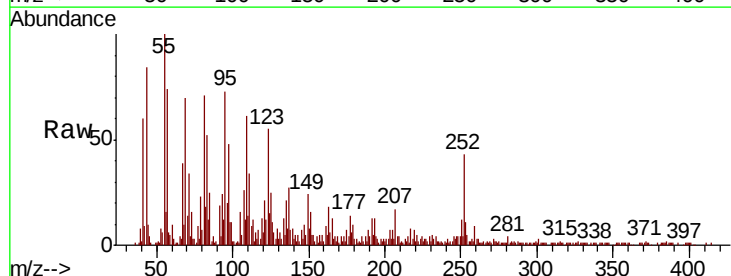
Instrument :
BNA_F
ClientSampleId :
P001-SS006-1824-02

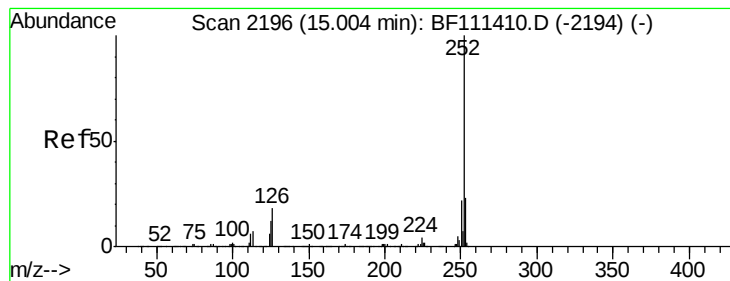
Tgt Ion:264 Resp: 406718
Ion Ratio Lower Upper
264 100
260 24.4 18.3 27.5
265 22.6 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 2.424 ng
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111529.D
Acq: 17 Dec 2018 10:29

Tgt Ion:252 Resp: 57473
Ion Ratio Lower Upper
252 100
253 25.8 18.2 27.2
125 57.9 10.4 15.6#





#89

Benzo(k)fluoranthene

Concen: 2.537 ng

RT: 14.97 min Scan# 2191

Delta R.T. -0.03 min

Lab File: BF111529.D

Acq: 17 Dec 2018 10:29

Instrument :

BNA_F

ClientSampleId :

P001-SS006-1824-02

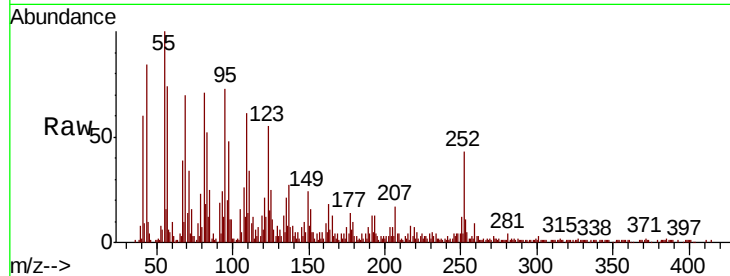
Tgt Ion:252 Resp: 57473

Ion Ratio Lower Upper

252 100

253 25.8 18.1 27.1

125 57.9 9.8 14.8#

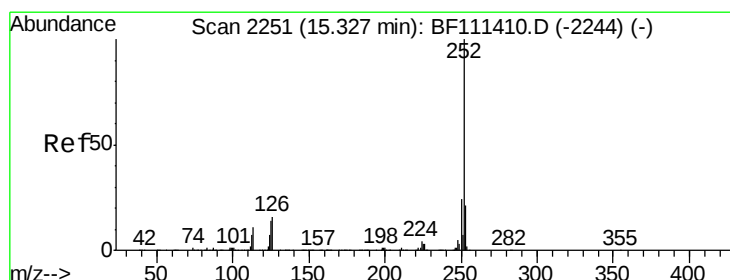
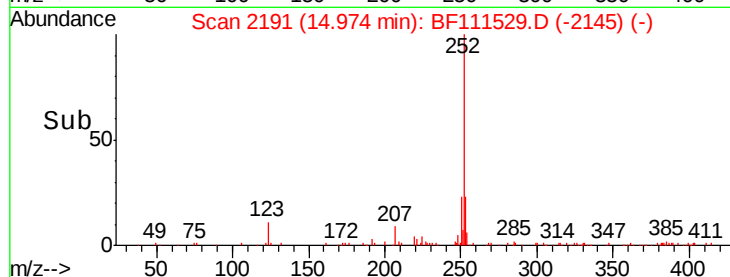
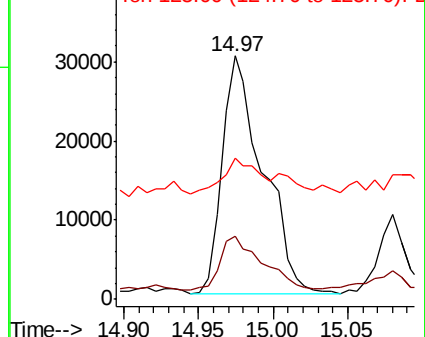


Abundance

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: 2.152 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BF111529.D

Acq: 17 Dec 2018 10:29

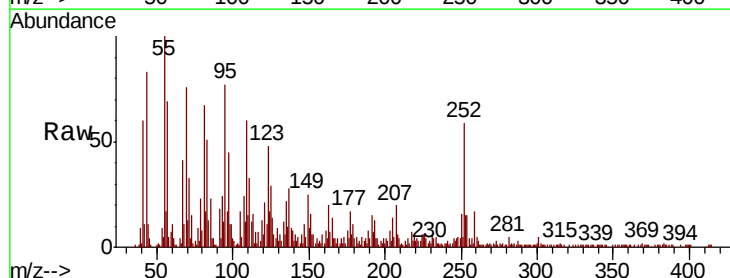
Tgt Ion:252 Resp: 46015

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.8

125 48.4 12.3 18.5#

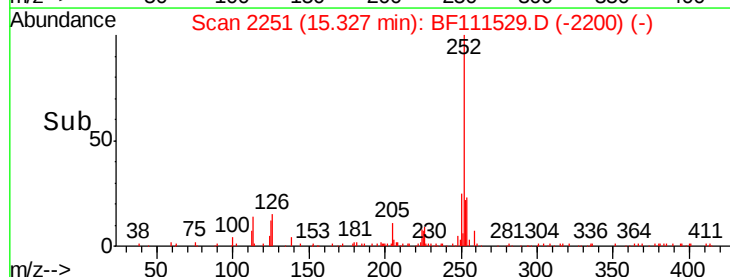
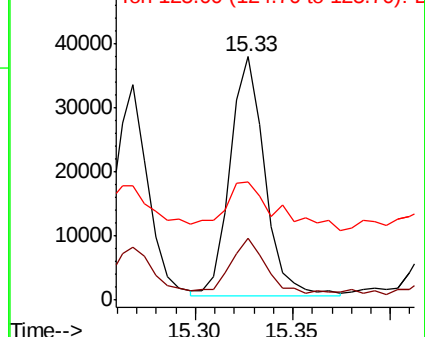


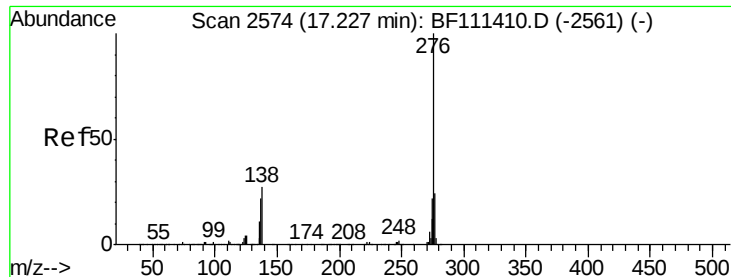
Abundance

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: 2.163 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BF111529.D

Acq: 17 Dec 2018 10:29

Instrument :

BNA_F

ClientSampleId :

P001-SS006-1824-02

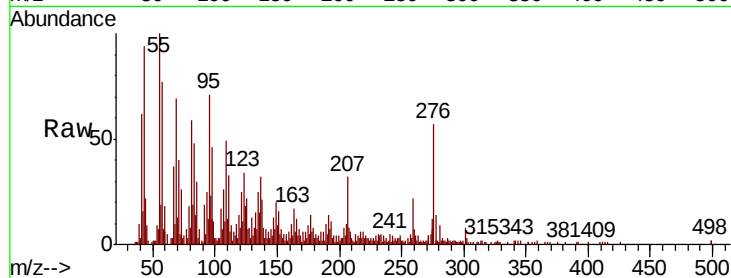
Tgt Ion: 276 Resp: 35815

Ion Ratio Lower Upper

276 100

277 24.7 19.2 28.8

138 37.6 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

