

Data File : BF111489.D
Acq On : 16 Dec 2018 2:10
Operator : JU/SJ
Sample : J6208-17DL 4X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5DL

Quant Time: Dec 16 02:45:46 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	153196	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	540361	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	205372	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	366679	20.00	ng	0.00
76) Chrysene-d12	13.96	240	355117	20.00	ng	0.00
87) Perylene-d12	15.39	264	358116	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	241943	26.28	ng	0.00
7) Phenol-d6	6.43	99	292009	23.85	ng	-0.01
23) Nitrobenzene-d5	7.35	82	160974	17.74	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	44767	24.33	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	208850	15.71	ng	0.00
79) Terphenyl-d14	12.90	244	187260	12.38	ng	0.00

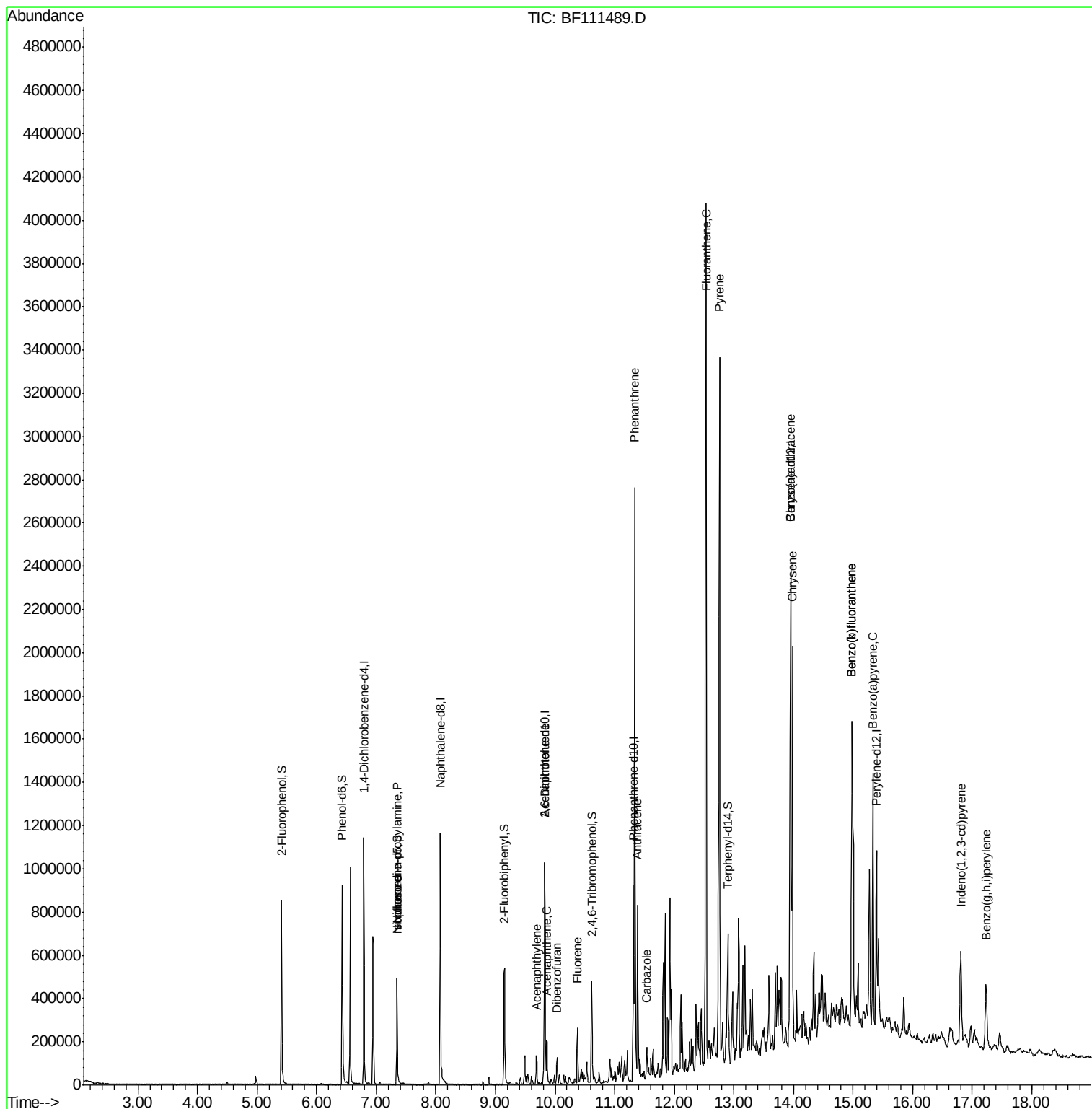
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.35	70	21423	2.652	ng	# 81
25) Isophorone	7.35	82	160972	10.484	ng	# 64
49) Acenaphthylene	9.69	152	54125	2.757	ng	# 92
51) 2,6-Dinitrotoluene	9.83	165	26821	8.056	ng	# 29
52) Acenaphthene	9.86	154	43598	3.513	ng	97
55) Dibenzofuran	10.03	168	37595	2.087	ng	# 93
58) Fluorene	10.37	166	74328	5.689	ng	93
71) Phenanthrene	11.34	178	977121	51.715	ng	94
72) Anthracene	11.39	178	286583	14.831	ng	93
73) Carbazole	11.54	167	57149	2.860	ng	96
75) Fluoranthene	12.53	202	1663558	89.999	ng	96
78) Pyrene	12.76	202	1538516	61.450	ng	97
81) Benzo(a)anthracene	13.94	228	801396	41.504	ng	99
83) Chrysene	13.98	228	647810	31.847	ng	97
86) Indeno(1,2,3-cd)pyrene	16.81	276	269756	18.375	ng	92
88) Benzo(b)fluoranthene	14.98	252	1062255	50.878	ng	99
89) Benzo(k)fluoranthene	14.98	252	1062255	53.246	ng	98
90) Benzo(a)pyrene	15.33	252	534795	28.405	ng	99
92) Benzo(g,h,i)perylene	17.23	276	239277	16.413	ng	95

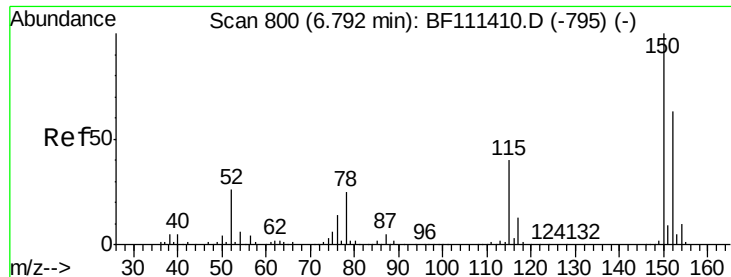
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF111489.D

Acq: 16 Dec 2018 2:10

Instrument :

BNA_F

ClientSampleId :

TP-5DL

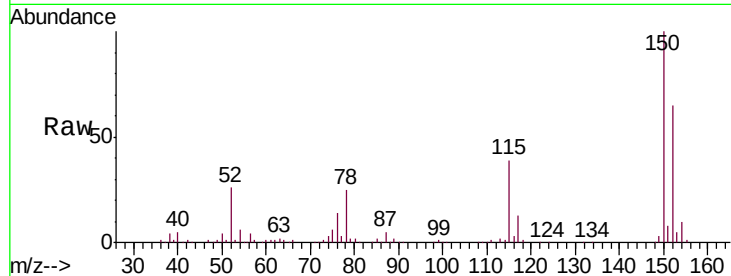
Tgt Ion:152 Resp: 153196

Ion Ratio Lower Upper

152 100

150 153.2 126.6 189.8

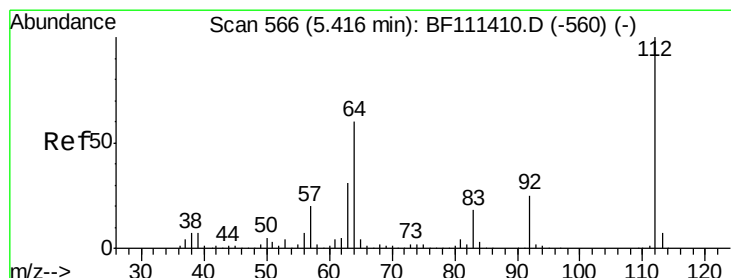
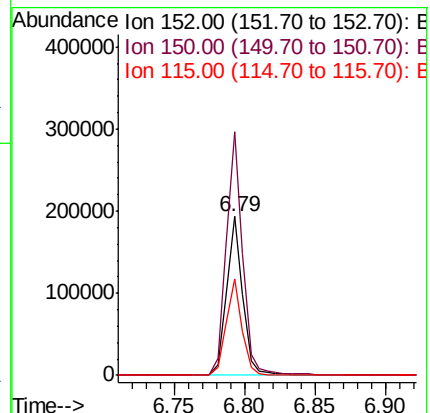
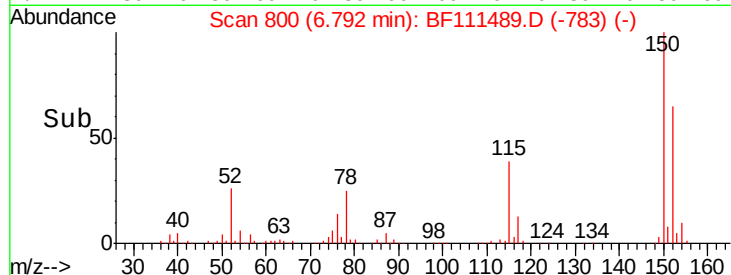
115 60.4 50.7 76.1



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: 26.281 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

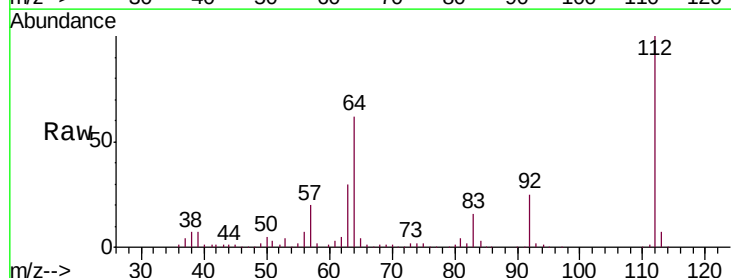
Tgt Ion:112 Resp: 241943

Ion Ratio Lower Upper

112 100

64 62.1 51.8 77.6

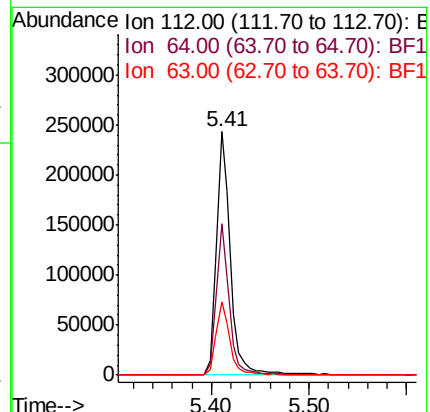
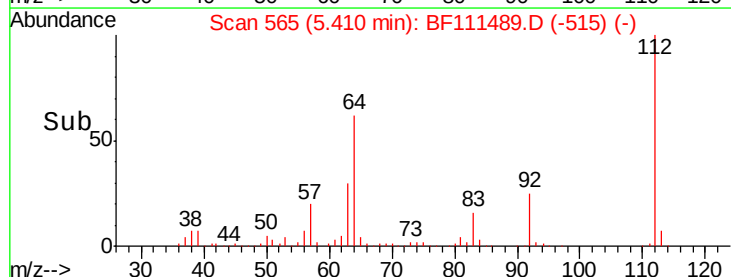
63 30.3 26.8 40.2

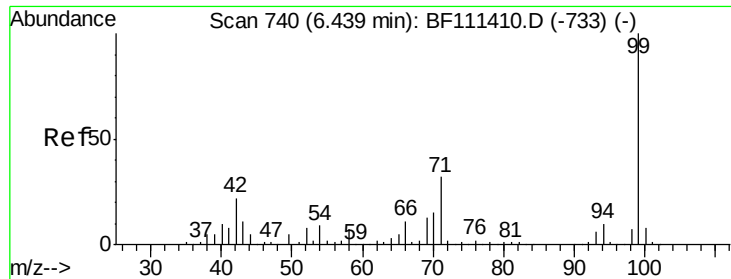


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 23.846 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

Instrument :

BNA_F

ClientSampleId :

TP-5DL

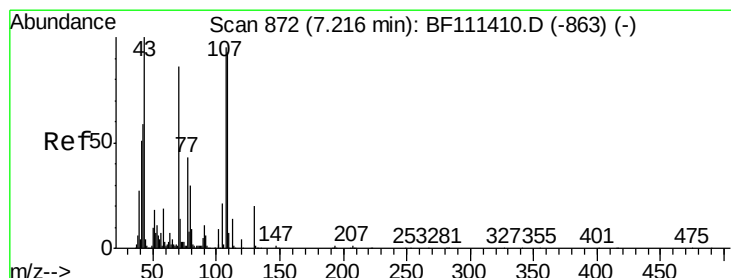
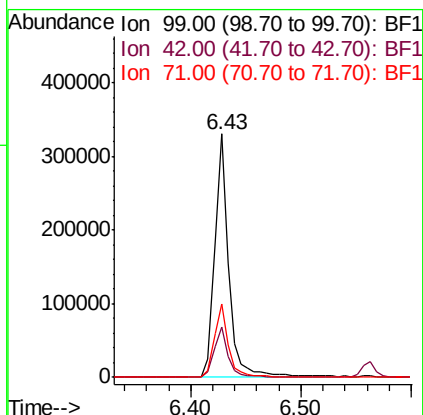
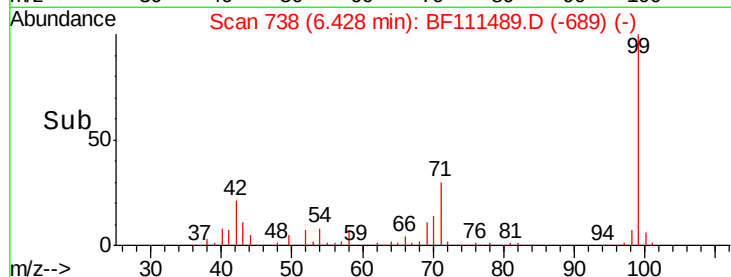
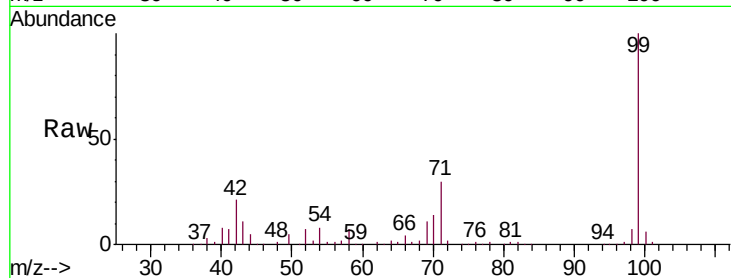
Tgt Ion: 99 Resp: 292009

Ion Ratio Lower Upper

99 100

42 20.7 17.4 26.0

71 30.4 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 2.652 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.13 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

Tgt Ion: 70 Resp: 21423

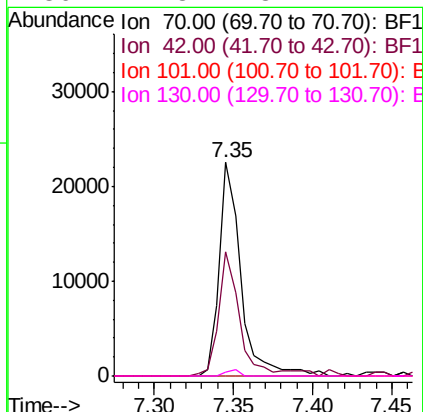
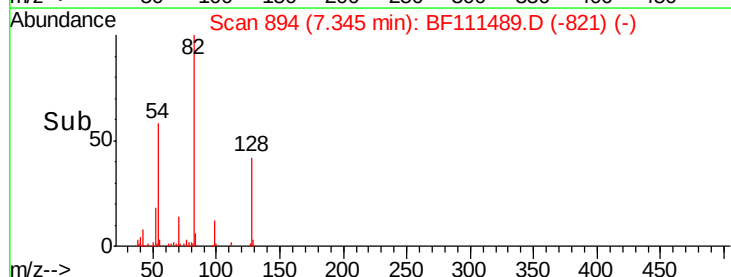
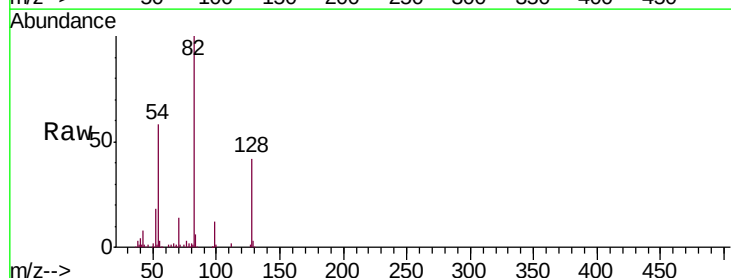
Ion Ratio Lower Upper

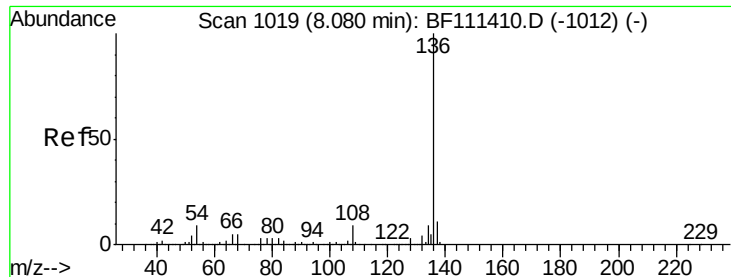
70 100

42 58.4 53.2 79.8

101 0.0 8.2 12.4#

130 1.8 18.1 27.1#

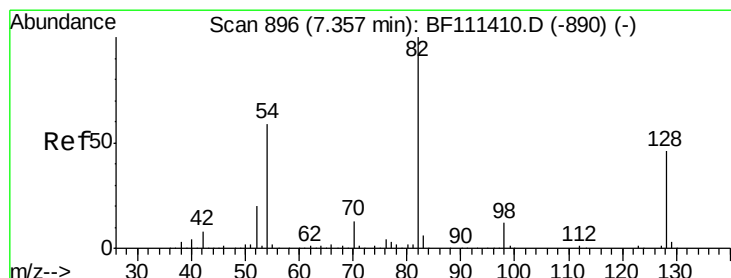
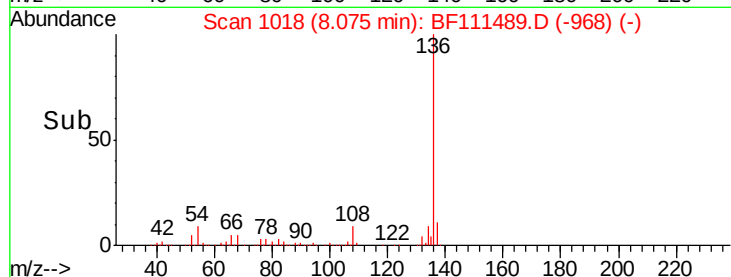
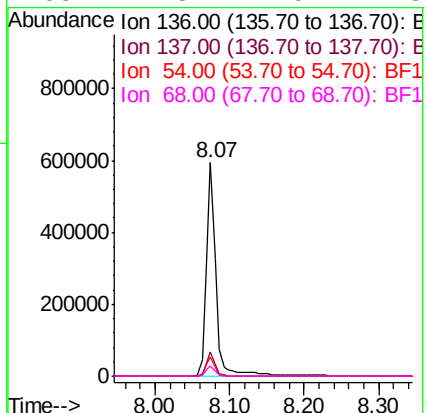
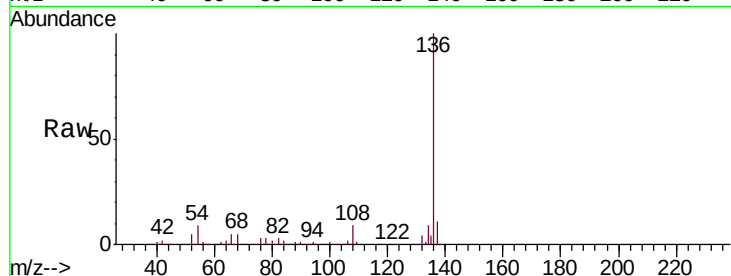




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111489.D
Acq: 16 Dec 2018 2:10

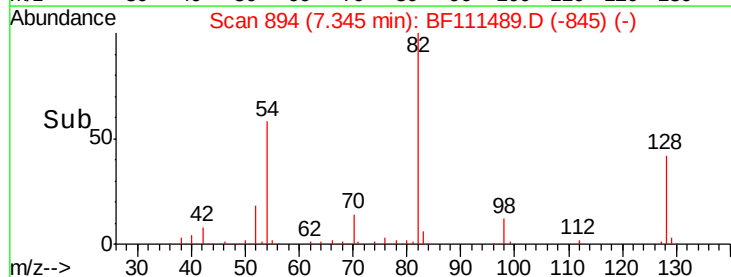
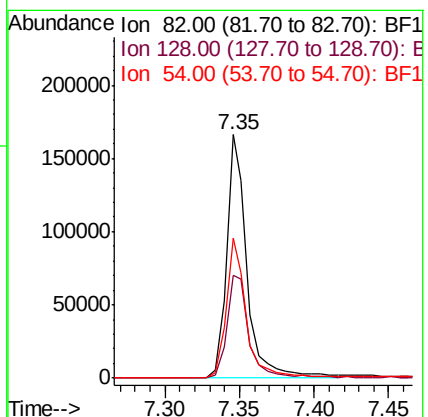
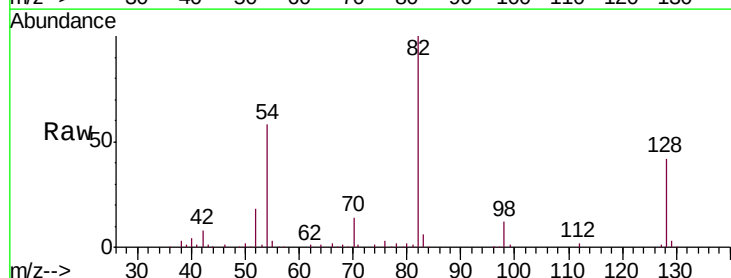
Instrument :
BNA_F
ClientSampleId :
TP-5DL

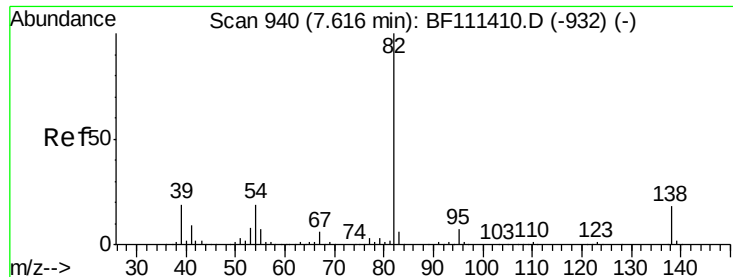
Tgt Ion:	136	Resp:	540361
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.8	7.7	11.5
68	4.8	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 17.740 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF111489.D
Acq: 16 Dec 2018 2:10

Tgt Ion:	82	Resp:	160974
Ion	Ratio	Lower	Upper
82	100		
128	42.4	37.4	56.2
54	57.6	47.6	71.4

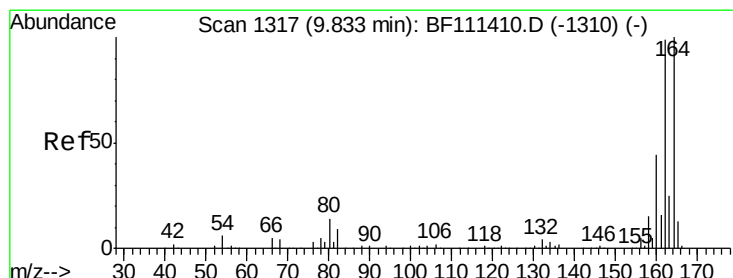
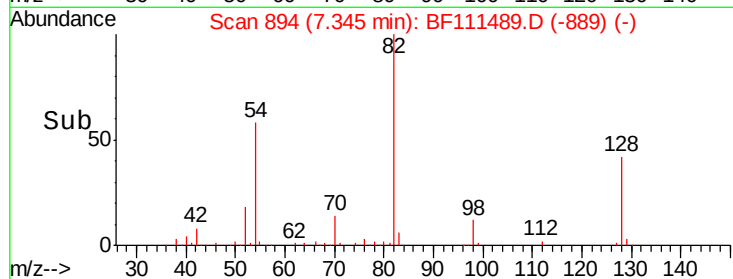
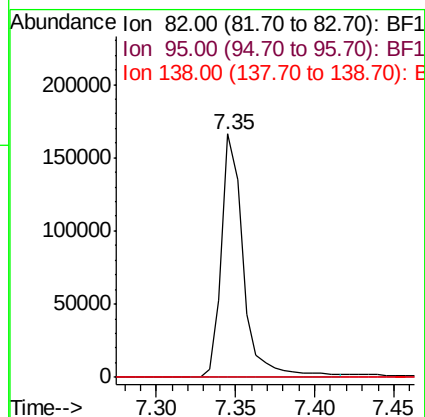
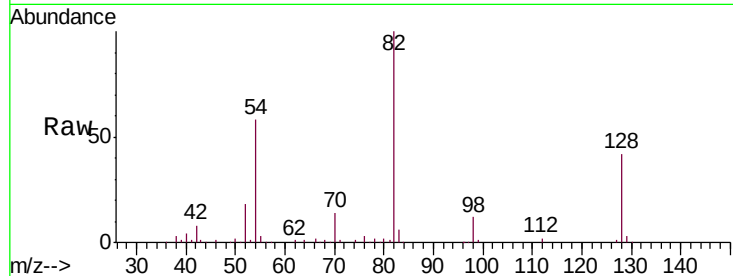




#25
Isophorone
Concen: 10.484 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.27 min
Lab File: BF111489.D
Acq: 16 Dec 2018 2:10

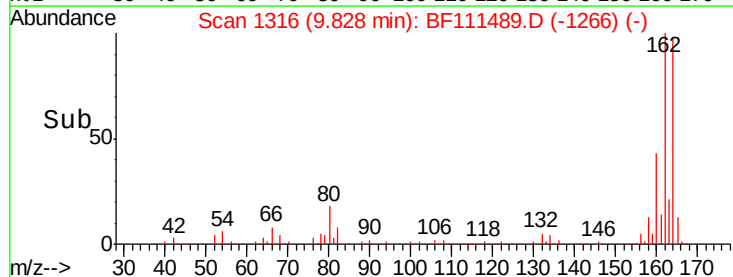
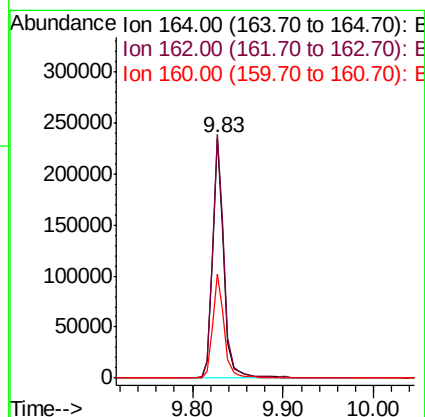
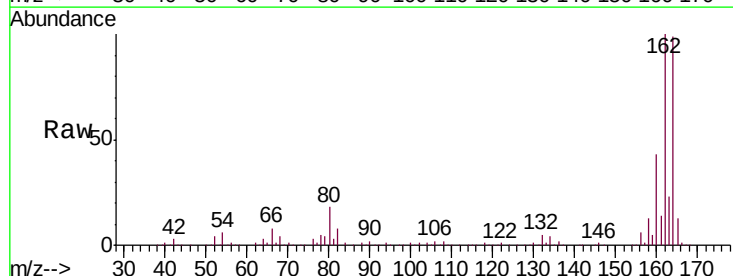
Instrument :
BNA_F
ClientSampleId :
TP-5DL

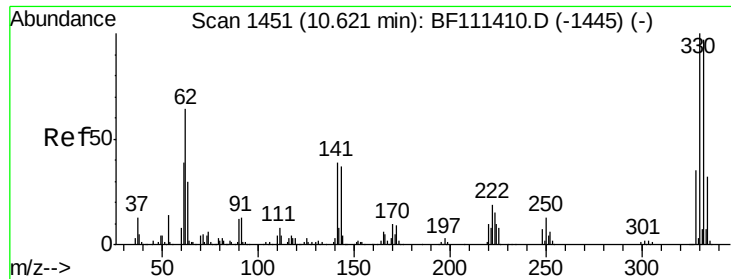
Tgt Ion: 82 Resp: 160972
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111489.D
Acq: 16 Dec 2018 2:10

Tgt Ion: 164 Resp: 205372
Ion Ratio Lower Upper
164 100
162 101.5 81.4 122.0
160 43.6 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 24.334 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

Instrument :

BNA_F

ClientSampleId :

TP-5DL

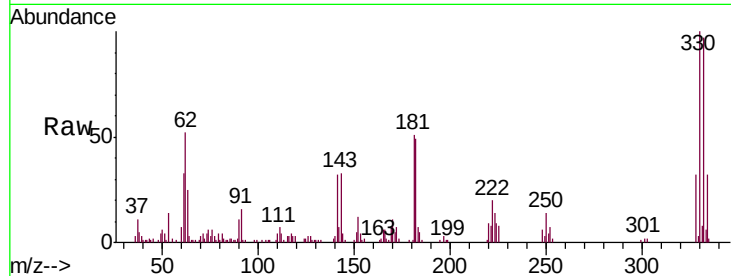
Tgt Ion:330 Resp: 44767

Ion Ratio Lower Upper

330 100

332 99.9 76.0 114.0

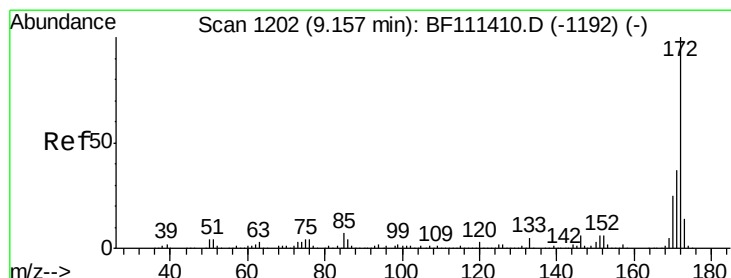
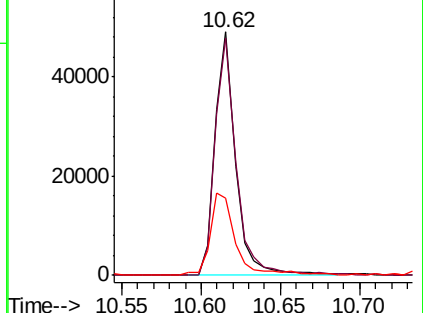
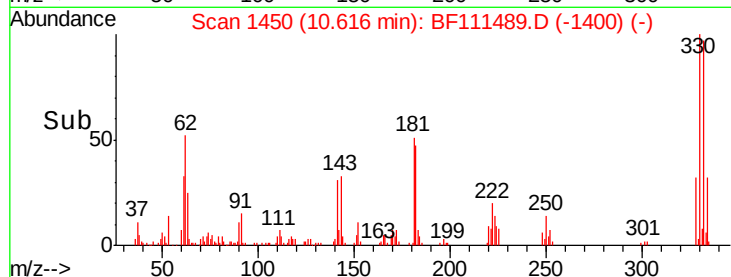
141 41.4 31.0 46.6



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: 15.708 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

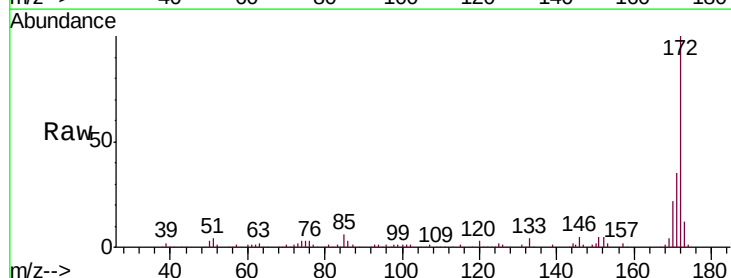
Tgt Ion:172 Resp: 208850

Ion Ratio Lower Upper

172 100

171 34.8 33.0 49.4

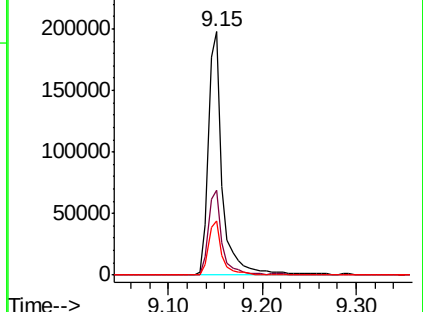
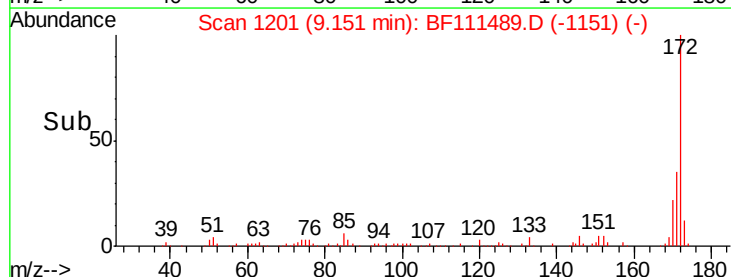
170 22.5 22.3 33.5

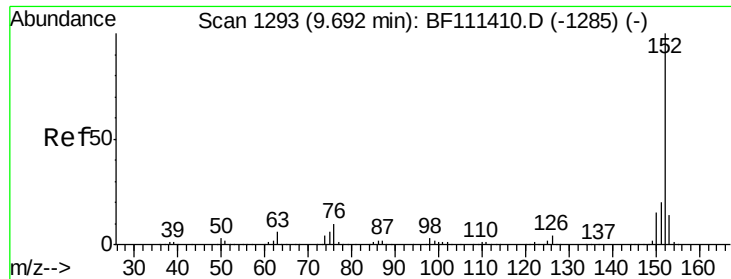


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.757 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

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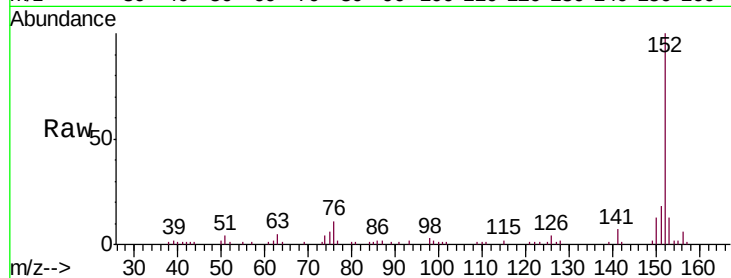
Tgt Ion:152 Resp: 54125

Ion Ratio Lower Upper

152 100

151 18.0 18.0 27.0#

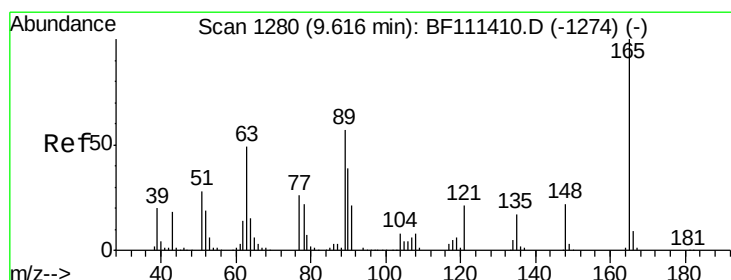
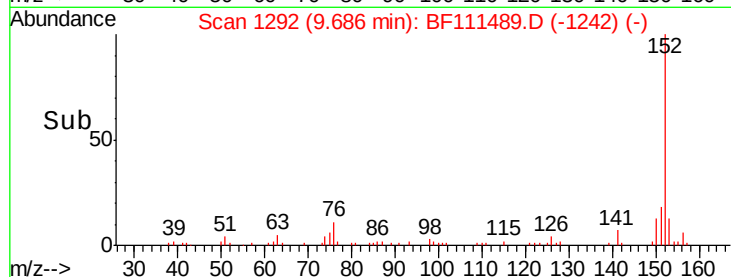
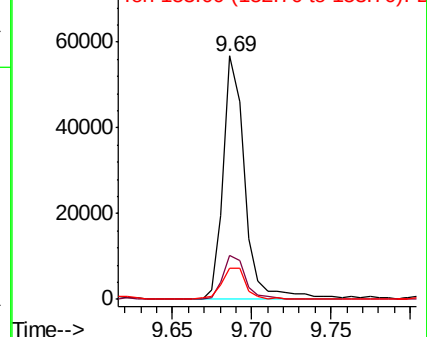
153 12.8 12.3 18.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

2,6-Dinitrotoluene

Concen: 8.056 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.21 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

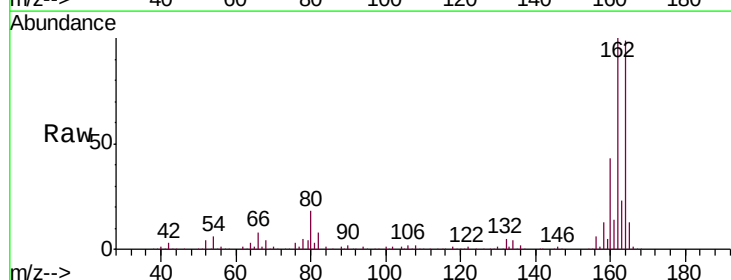
Tgt Ion:165 Resp: 26821

Ion Ratio Lower Upper

165 100

63 1.0 40.5 60.7#

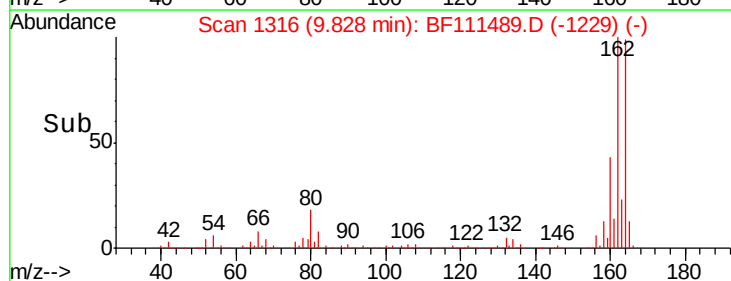
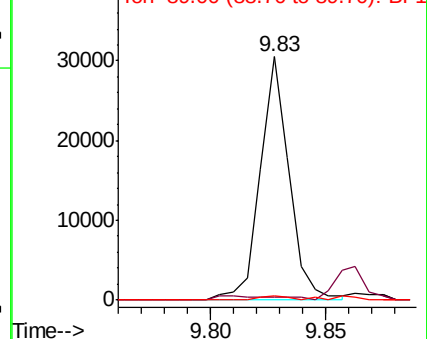
89 1.6 40.0 60.0#

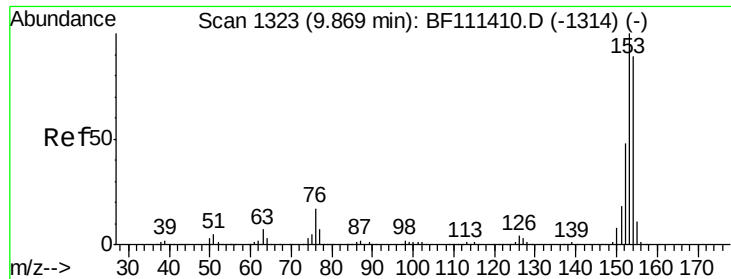


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 3.513 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

Instrument :

BNA_F

ClientSampleId :

TP-5DL

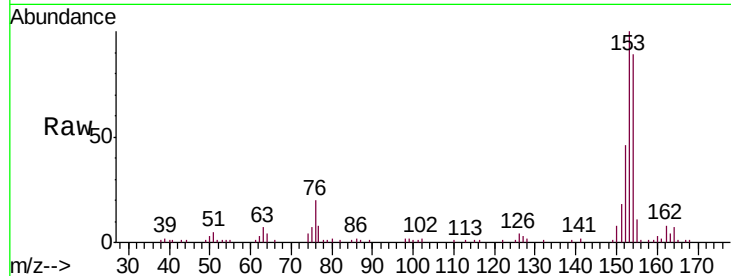
Tgt Ion:154 Resp: 43598

Ion Ratio Lower Upper

154 100

153 111.8 87.8 131.8

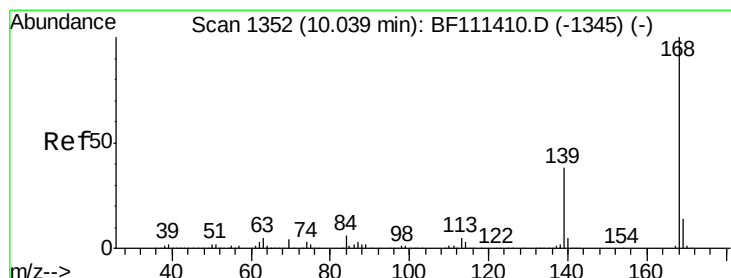
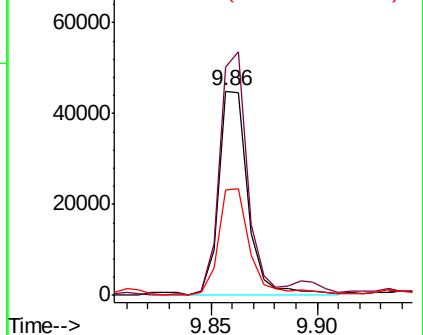
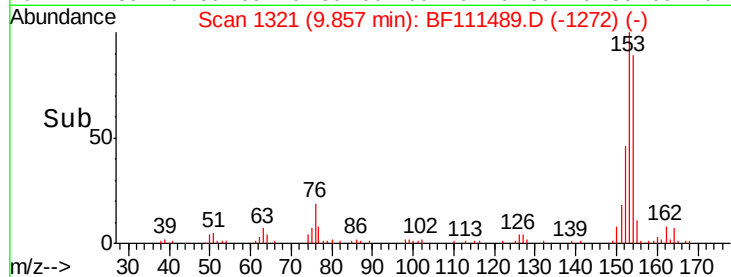
152 51.4 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.087 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

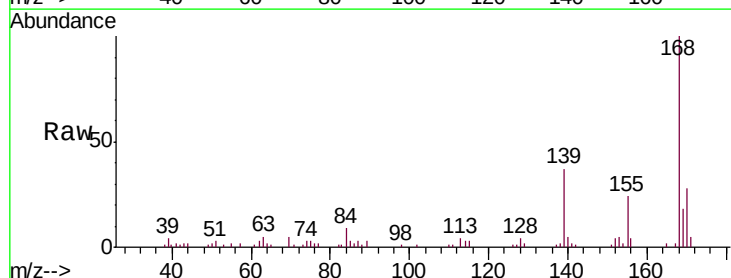
Tgt Ion:168 Resp: 37595

Ion Ratio Lower Upper

168 100

139 37.0 32.6 49.0

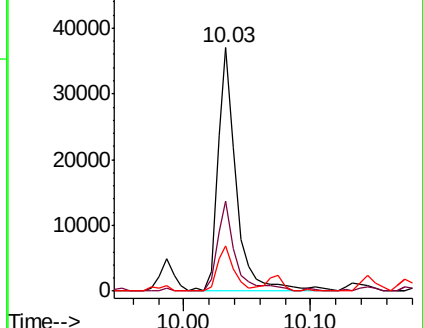
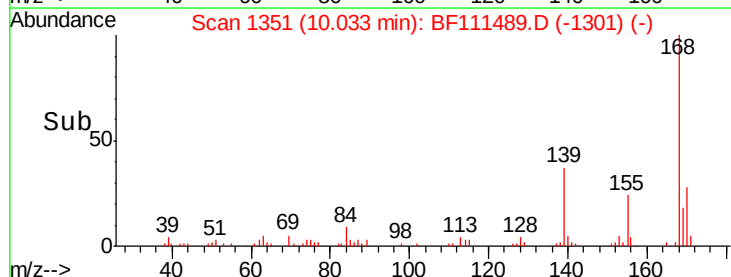
169 18.5 11.8 17.6#

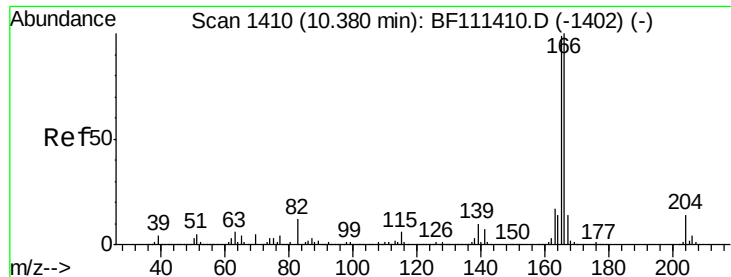


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

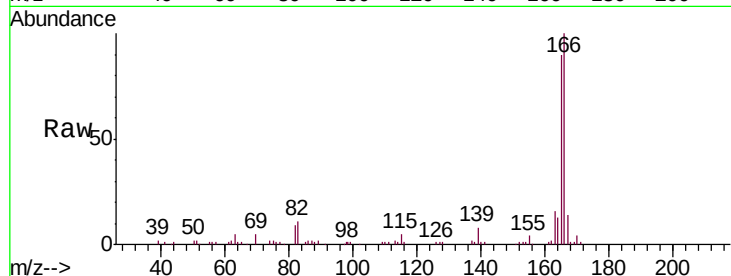




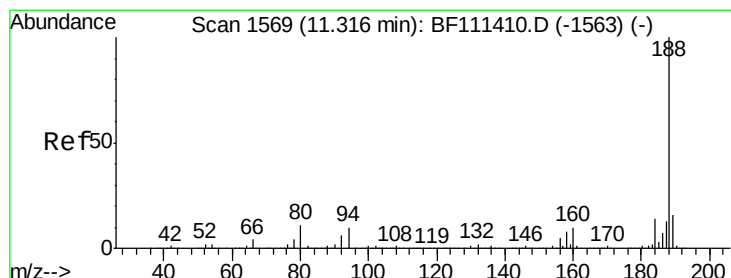
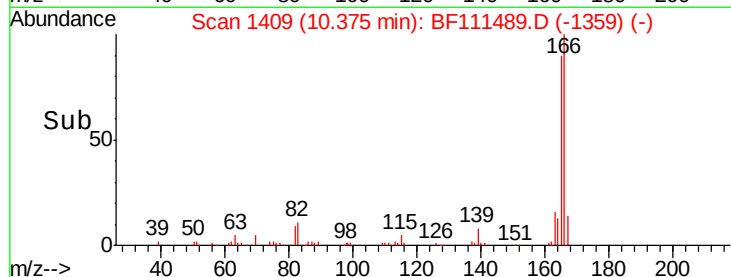
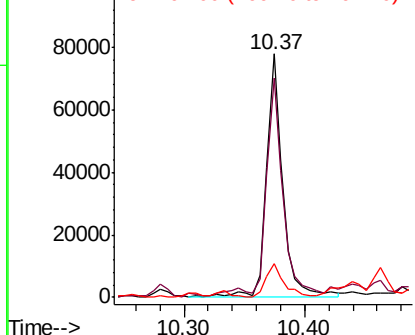
#58
 Fluorene
 Concen: 5.689 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF111489.D
 Acq: 16 Dec 2018 2:10

Instrument :
 BNA_F
 ClientSampled :
 TP-5DL

Tgt Ion:166 Resp: 74328
 Ion Ratio Lower Upper
 166 100
 165 90.3 78.4 117.6
 167 13.9 11.2 16.8

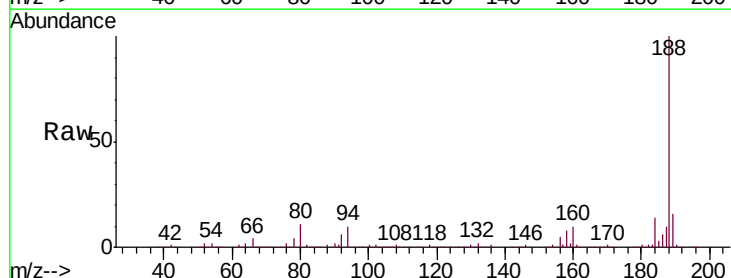


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

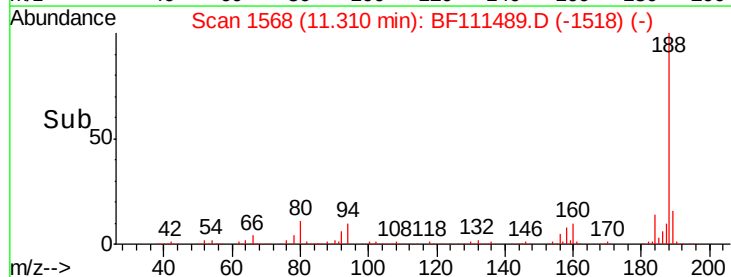
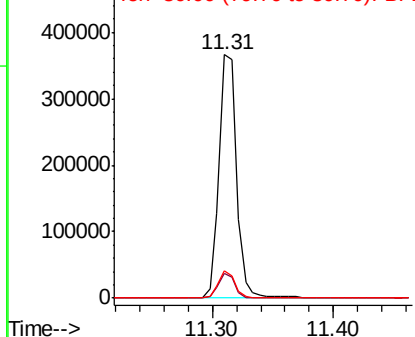


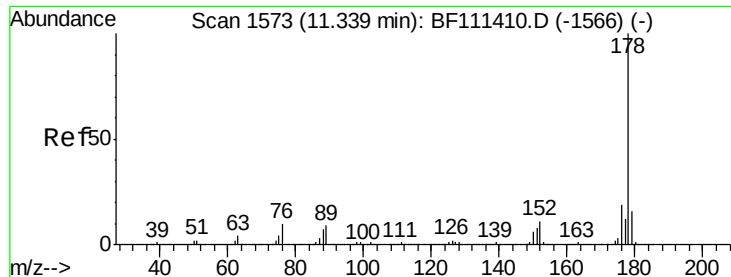
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111489.D
 Acq: 16 Dec 2018 2:10

Tgt Ion:188 Resp: 366679
 Ion Ratio Lower Upper
 188 100
 94 10.2 9.6 14.4
 80 11.4 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

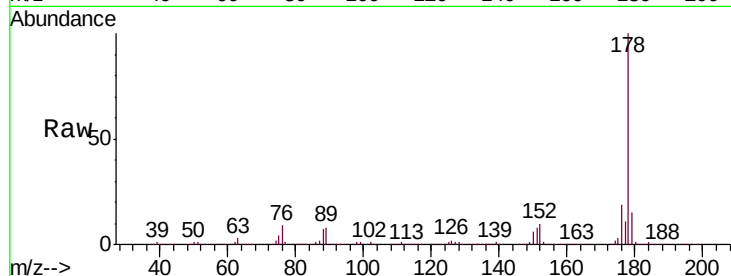




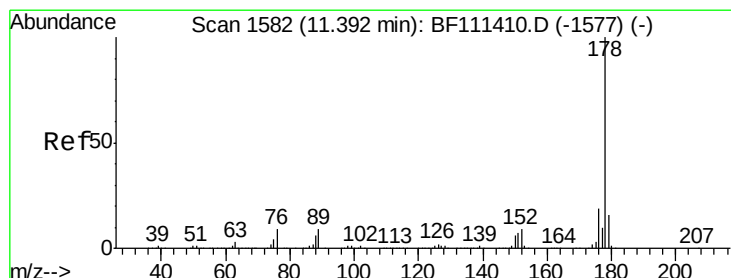
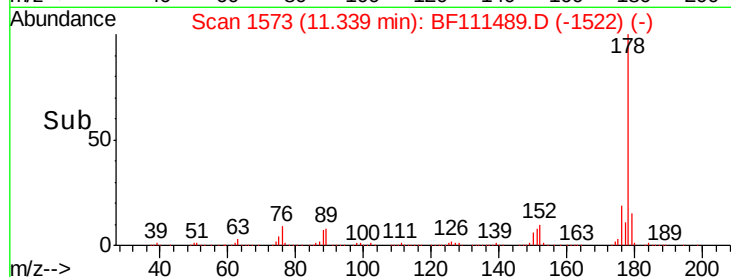
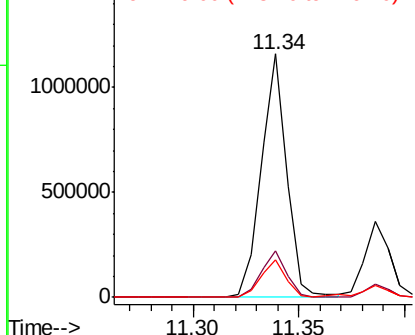
#71
Phenanthrene
Concen: 51.715 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF111489.D
Acq: 16 Dec 2018 2:10

Instrument :
BNA_F
ClientSampleId :
TP-5DL

Tgt Ion:178 Resp: 977121
Ion Ratio Lower Upper
178 100
176 18.9 18.1 27.1
179 15.4 14.0 21.0

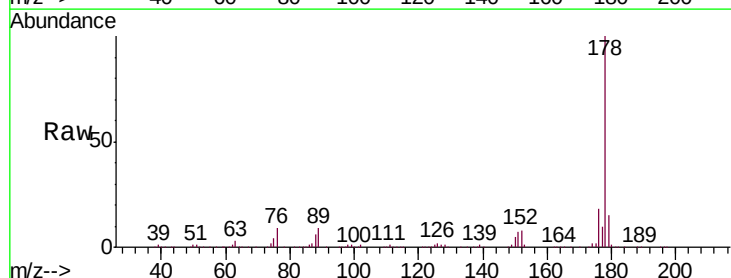


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

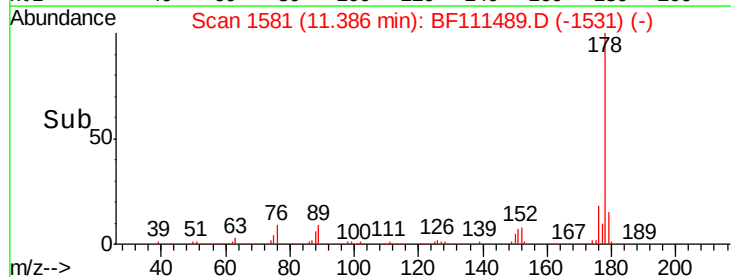
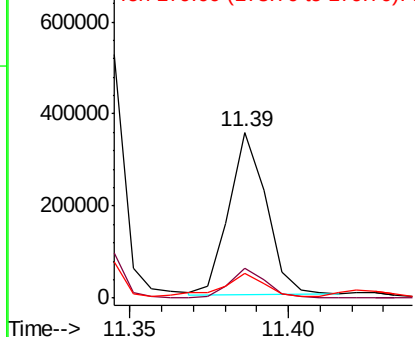


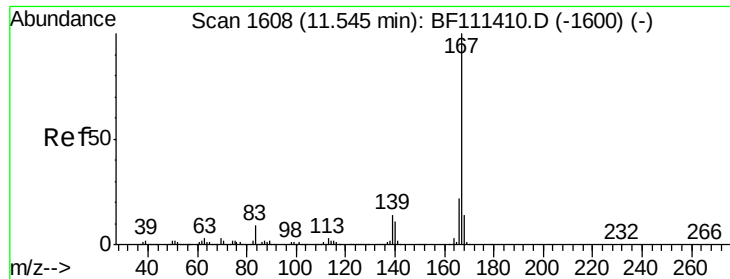
#72
Anthracene
Concen: 14.831 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF111489.D
Acq: 16 Dec 2018 2:10

Tgt Ion:178 Resp: 286583
Ion Ratio Lower Upper
178 100
176 17.8 17.2 25.8
179 15.0 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





#73

Carbazole

Concen: 2.860 ng

RT: 11.54 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

Instrument :

BNA_F

ClientSampleId :

TP-5DL

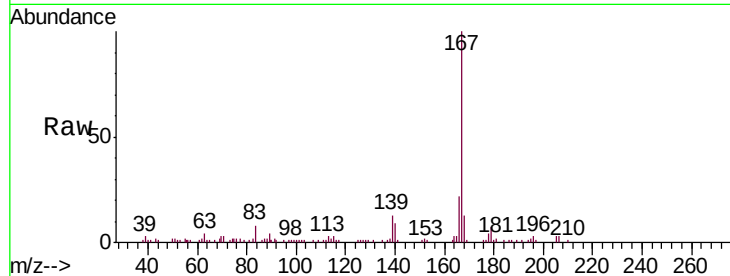
Tgt Ion:167 Resp: 57149

Ion Ratio Lower Upper

167 100

166 22.0 19.3 28.9

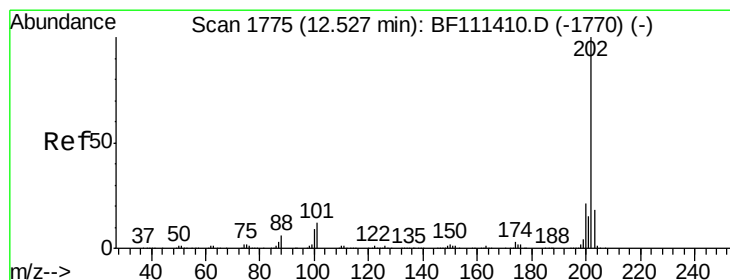
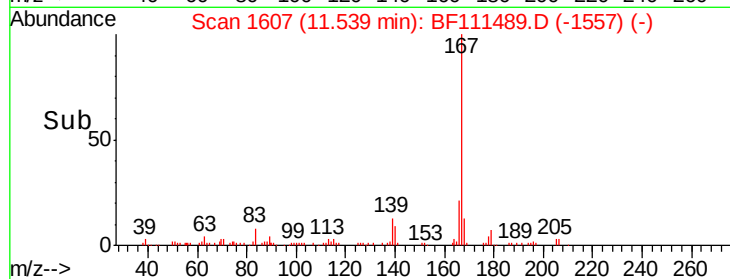
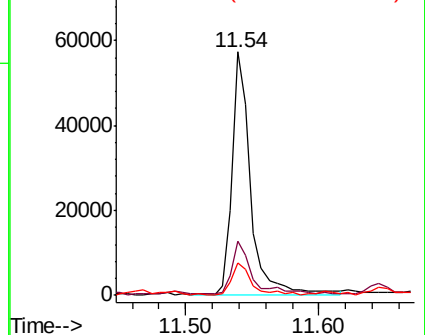
139 13.1 11.9 17.9



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 89.999 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

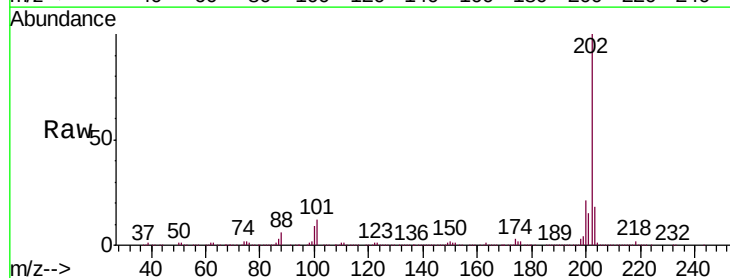
Tgt Ion:202 Resp: 1663558

Ion Ratio Lower Upper

202 100

101 11.5 0.0 33.8

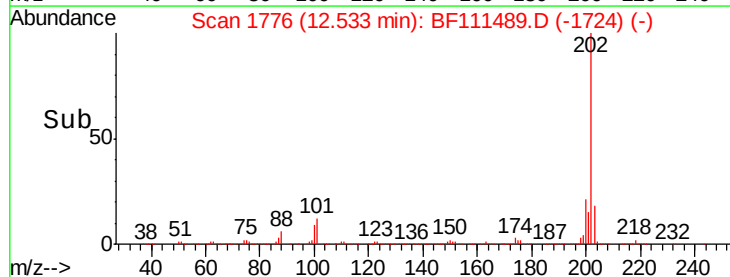
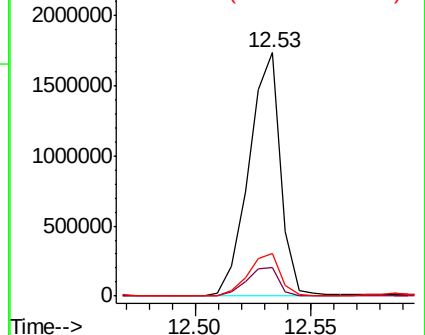
203 17.5 0.0 38.6

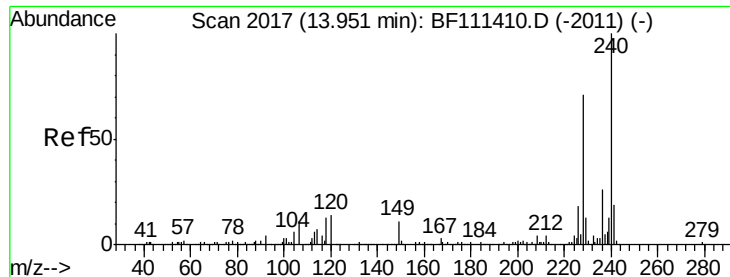


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

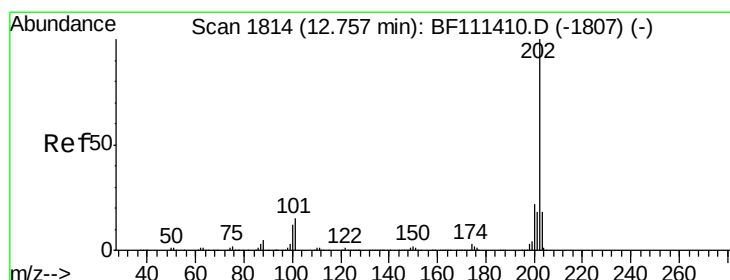
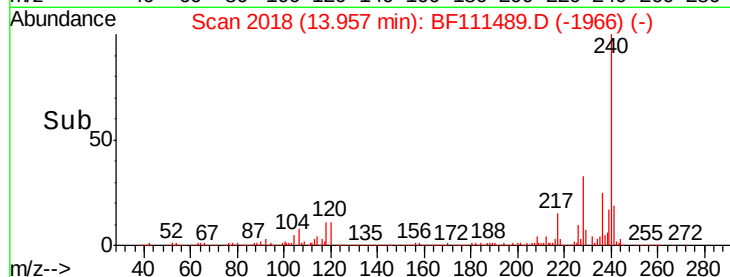
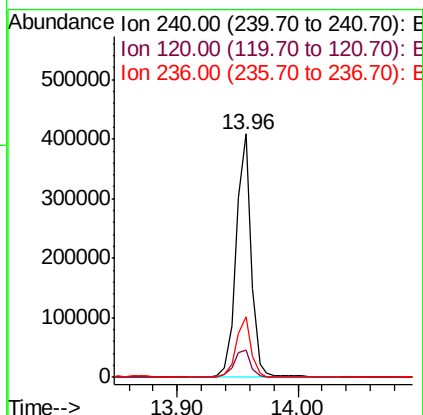
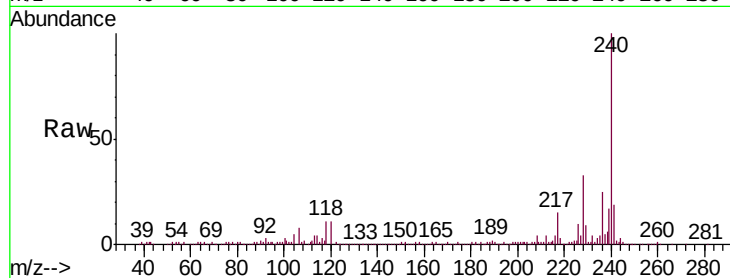




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111489.D
Acq: 16 Dec 2018 2:10

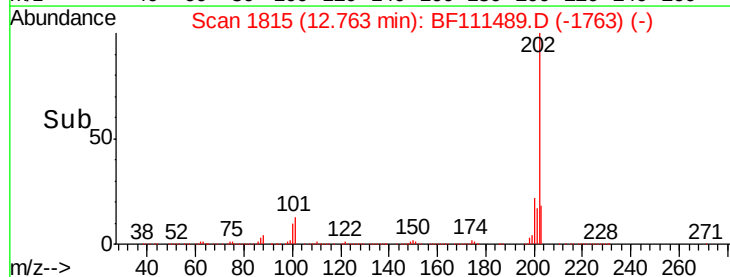
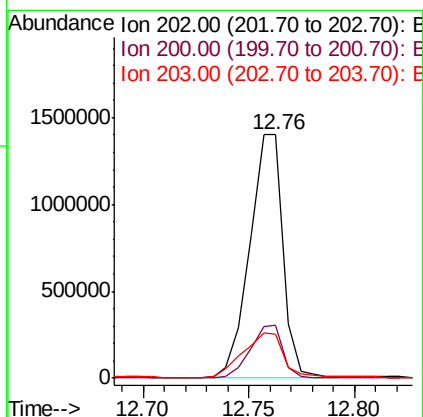
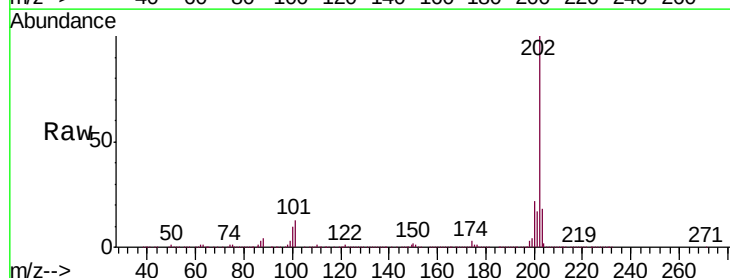
Instrument :
BNA_F
ClientSampleID :
TP-5DL

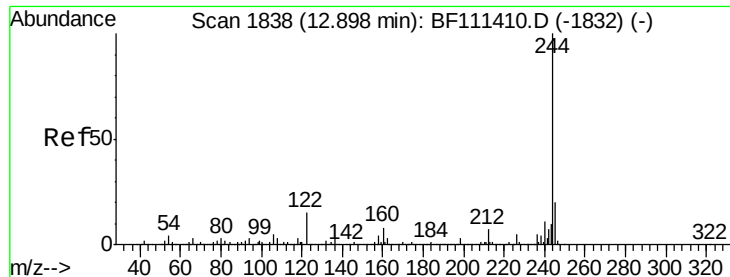
Tgt Ion:240 Resp: 355117
Ion Ratio Lower Upper
240 100
120 11.3 12.2 18.2#
236 25.1 20.2 30.2



#78
Pyrene
Concen: 61.450 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF111489.D
Acq: 16 Dec 2018 2:10

Tgt Ion:202 Resp: 1538516
Ion Ratio Lower Upper
202 100
200 21.6 19.0 28.4
203 18.0 15.2 22.8





#79

Terphenyl-d14

Concen: 12.383 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

Instrument :

BNA_F

ClientSampled :

TP-5DL

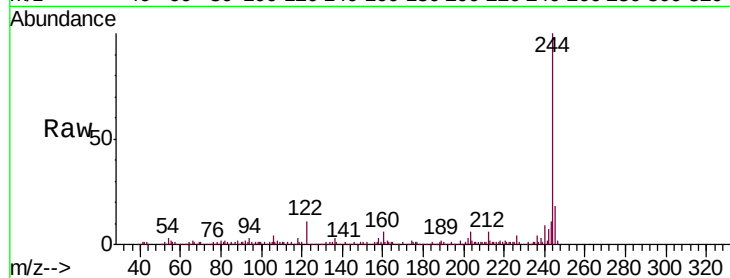
Tgt Ion:244 Resp: 187260

Ion Ratio Lower Upper

244 100

212 6.2 5.7 8.5

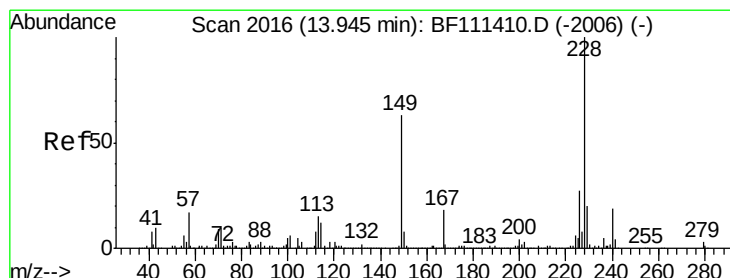
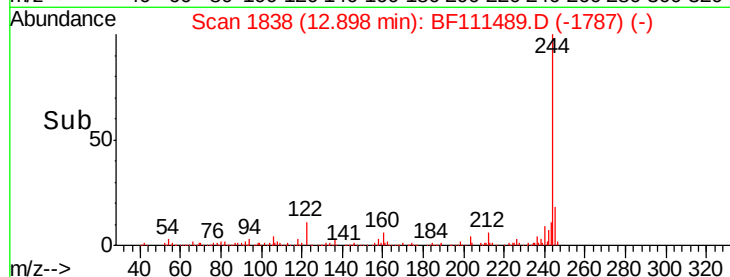
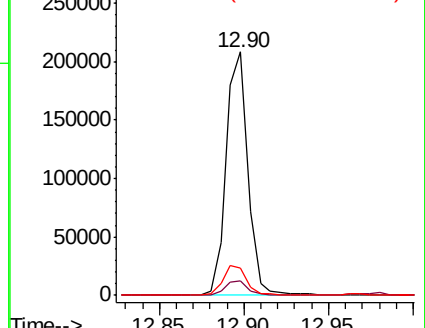
122 11.3 13.1 19.7#



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: 41.504 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

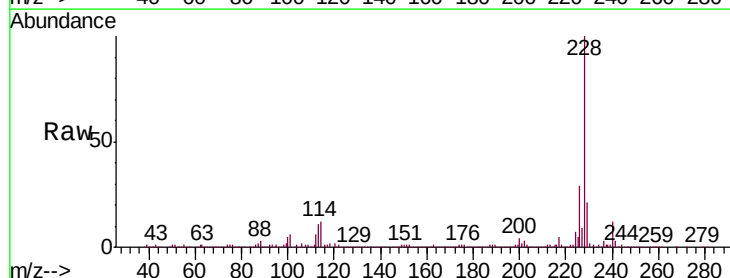
Tgt Ion:228 Resp: 801396

Ion Ratio Lower Upper

228 100

226 28.7 22.6 34.0

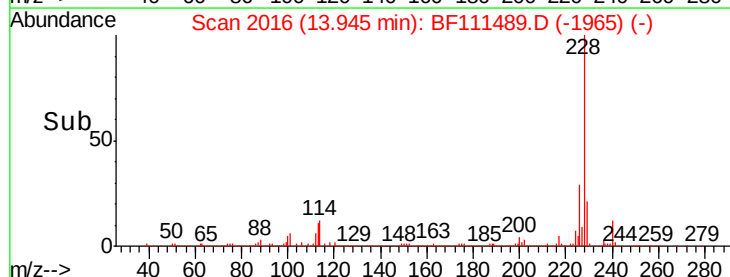
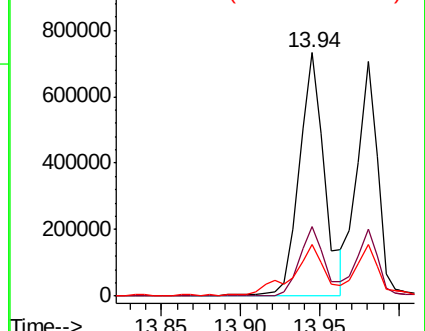
229 21.2 16.3 24.5

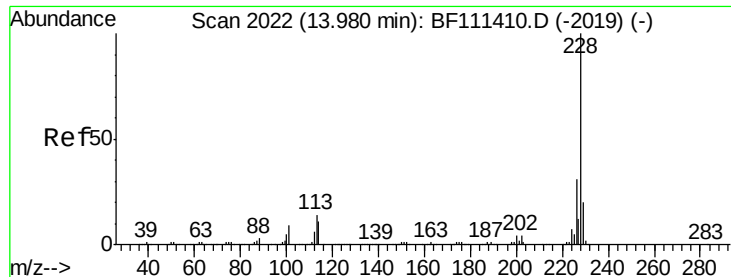


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 31.847 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

Instrument :

BNA_F

ClientSampleId :

TP-5DL

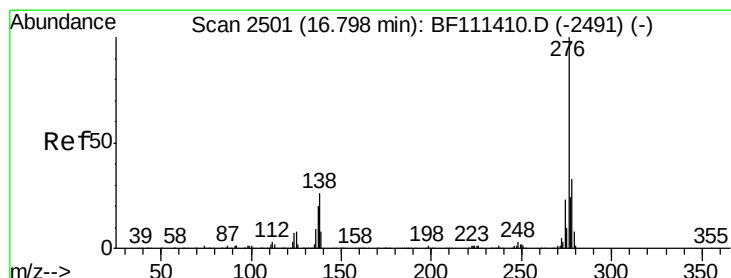
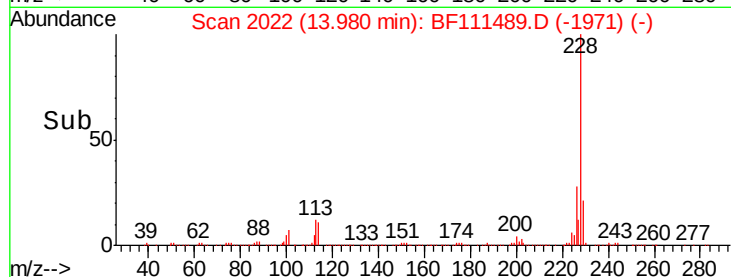
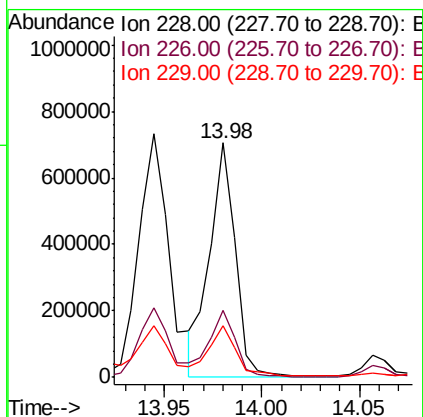
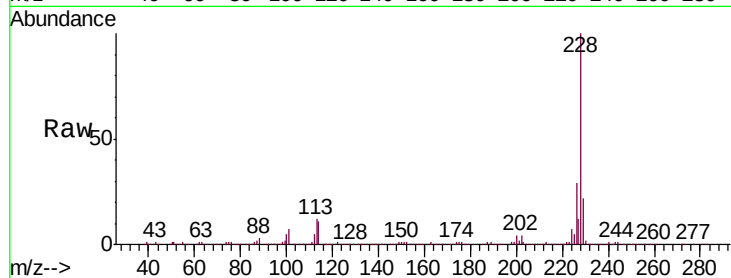
Tgt Ion: 228 Resp: 647810

Ion Ratio Lower Upper

228 100

226 28.6 25.3 37.9

229 21.8 17.2 25.8



#86

Indeno(1,2,3-cd)pyrene

Concen: 18.375 ng

RT: 16.81 min Scan# 2503

Delta R.T. 0.01 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

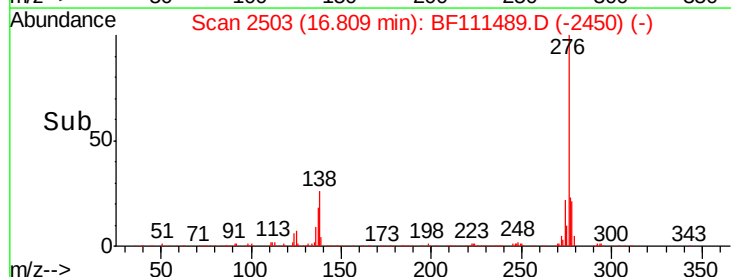
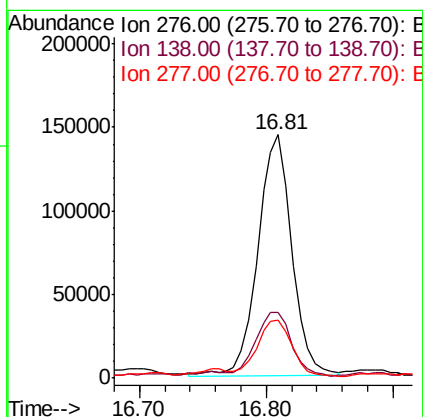
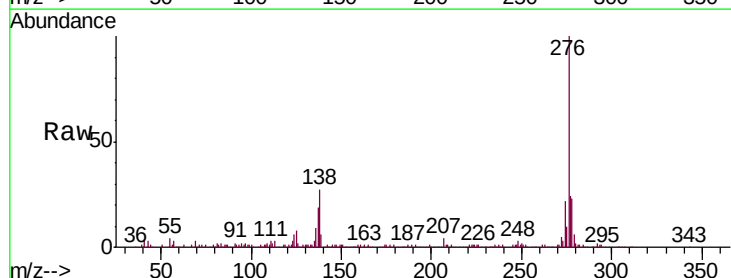
Tgt Ion: 276 Resp: 269756

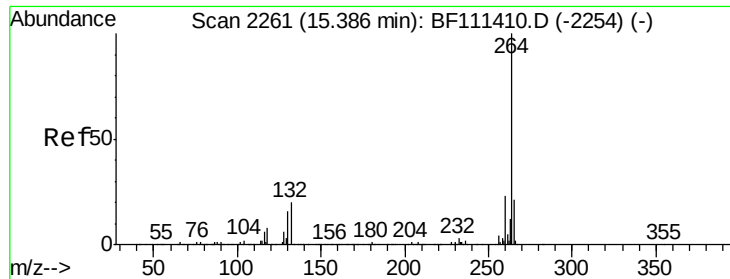
Ion Ratio Lower Upper

276 100

138 27.8 27.8 41.6

277 23.5 20.1 30.1

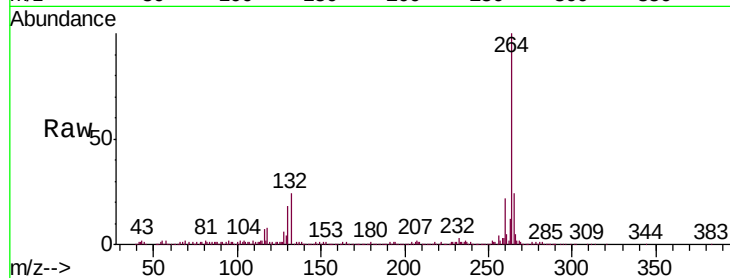




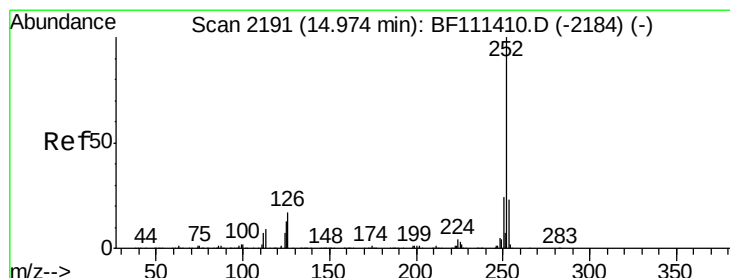
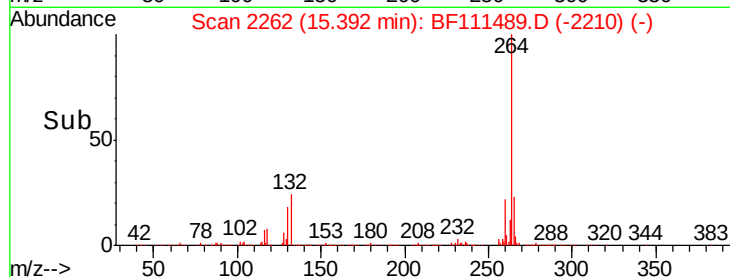
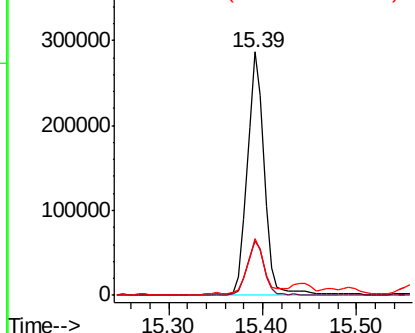
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111489.D
Acq: 16 Dec 2018 2:10

Instrument :
BNA_F
ClientSampleId :
TP-5DL

Tgt Ion:264 Resp: 358116
Ion Ratio Lower Upper
264 100
260 22.4 18.3 27.5
265 23.5 17.7 26.5

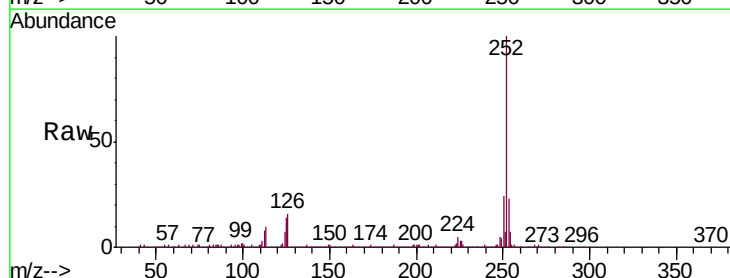


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

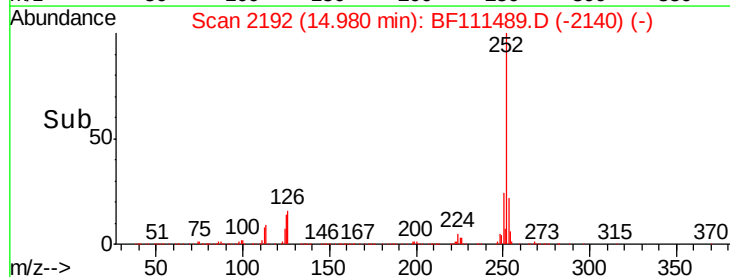
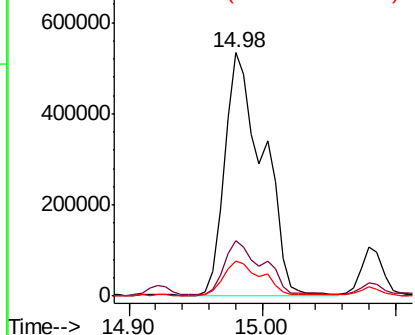


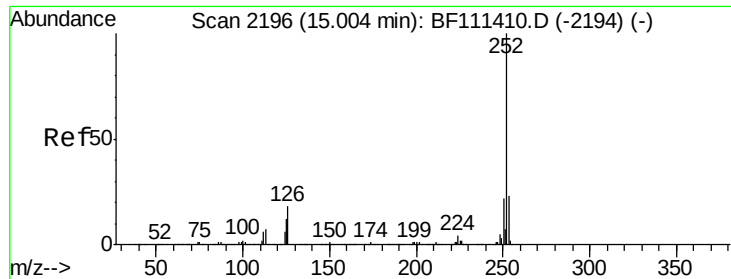
#88
Benzo(b)fluoranthene
Concen: 50.878 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF111489.D
Acq: 16 Dec 2018 2:10

Tgt Ion:252 Resp: 1062255
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 14.1 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

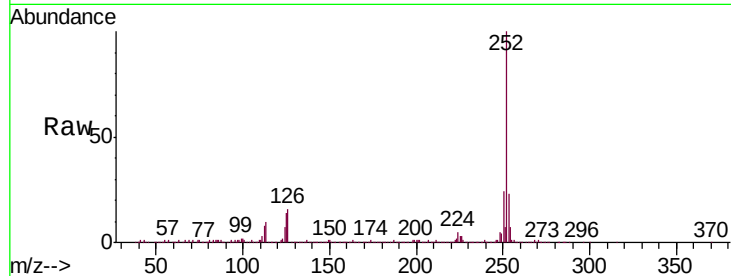




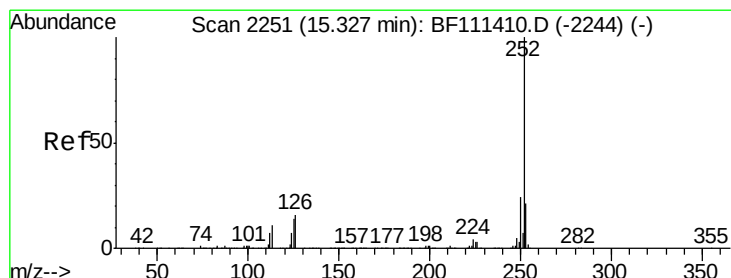
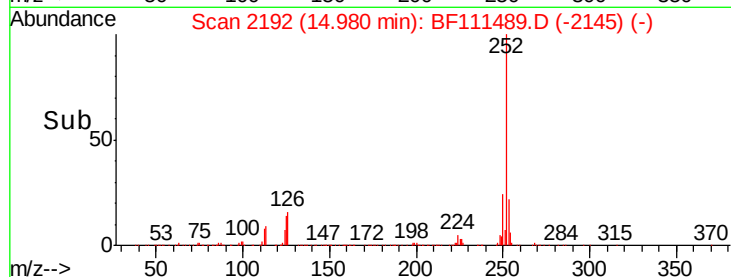
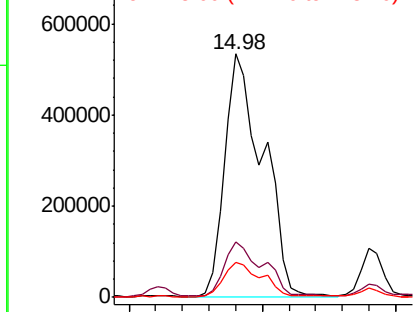
#89
Benzo(k)fluoranthene
Concen: 53.246 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.02 min
Lab File: BF111489.D
Acq: 16 Dec 2018 2:10

Instrument :
BNA_F
ClientSampleId :
TP-5DL

Tgt Ion:252 Resp: 1062255
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 14.1 9.8 14.8

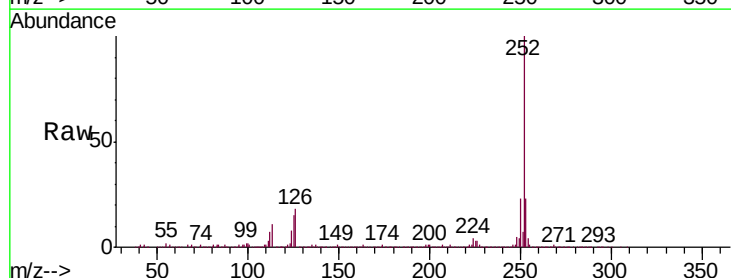


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

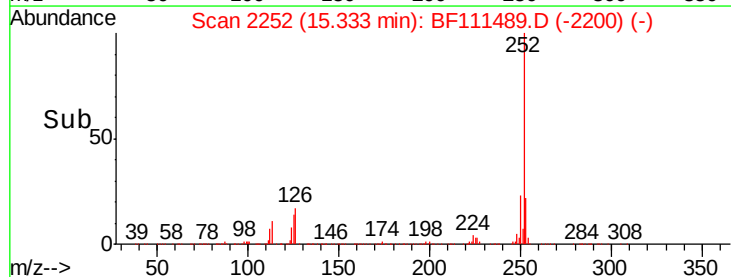
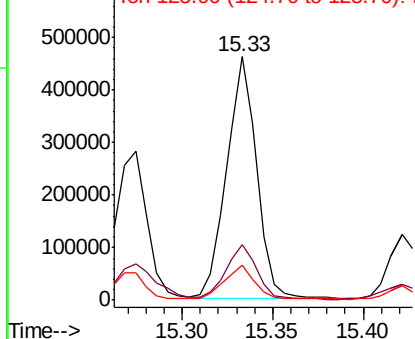


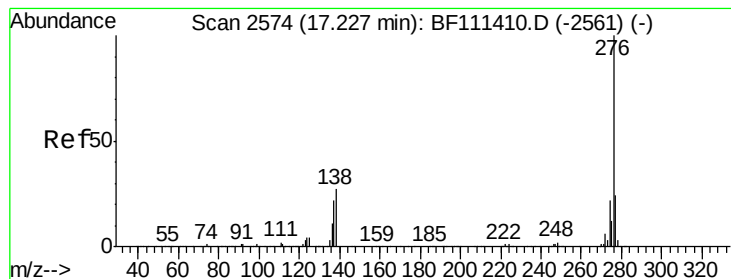
#90
Benzo(a)pyrene
Concen: 28.405 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111489.D
Acq: 16 Dec 2018 2:10

Tgt Ion:252 Resp: 534795
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 14.6 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: 16.413 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BF111489.D

Acq: 16 Dec 2018 2:10

Instrument :

BNA_F

ClientSampleId :

TP-5DL

Tgt Ion: 276 Resp: 239277

Ion Ratio Lower Upper

276 100

277 24.2 19.2 28.8

138 26.6 24.9 37.3

