

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
 Data File : BF111419.D
 Acq On : 14 Dec 2018 15:27
 Operator : JU/SJ
 Sample : J6319-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 16:40:31 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	170201	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	683392	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	344100	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	612752	20.00	ng	0.00
76) Chrysene-d12	13.94	240	385891	20.00	ng	0.00
87) Perylene-d12	15.39	264	342382	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1412789	138.13	ng	0.00
7) Phenol-d6	6.44	99	1809202	132.98	ng	0.00
23) Nitrobenzene-d5	7.35	82	1109216	96.65	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	402049	130.43	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1756140	78.83	ng	0.00
79) Terphenyl-d14	12.90	244	1532599	93.26	ng	0.00

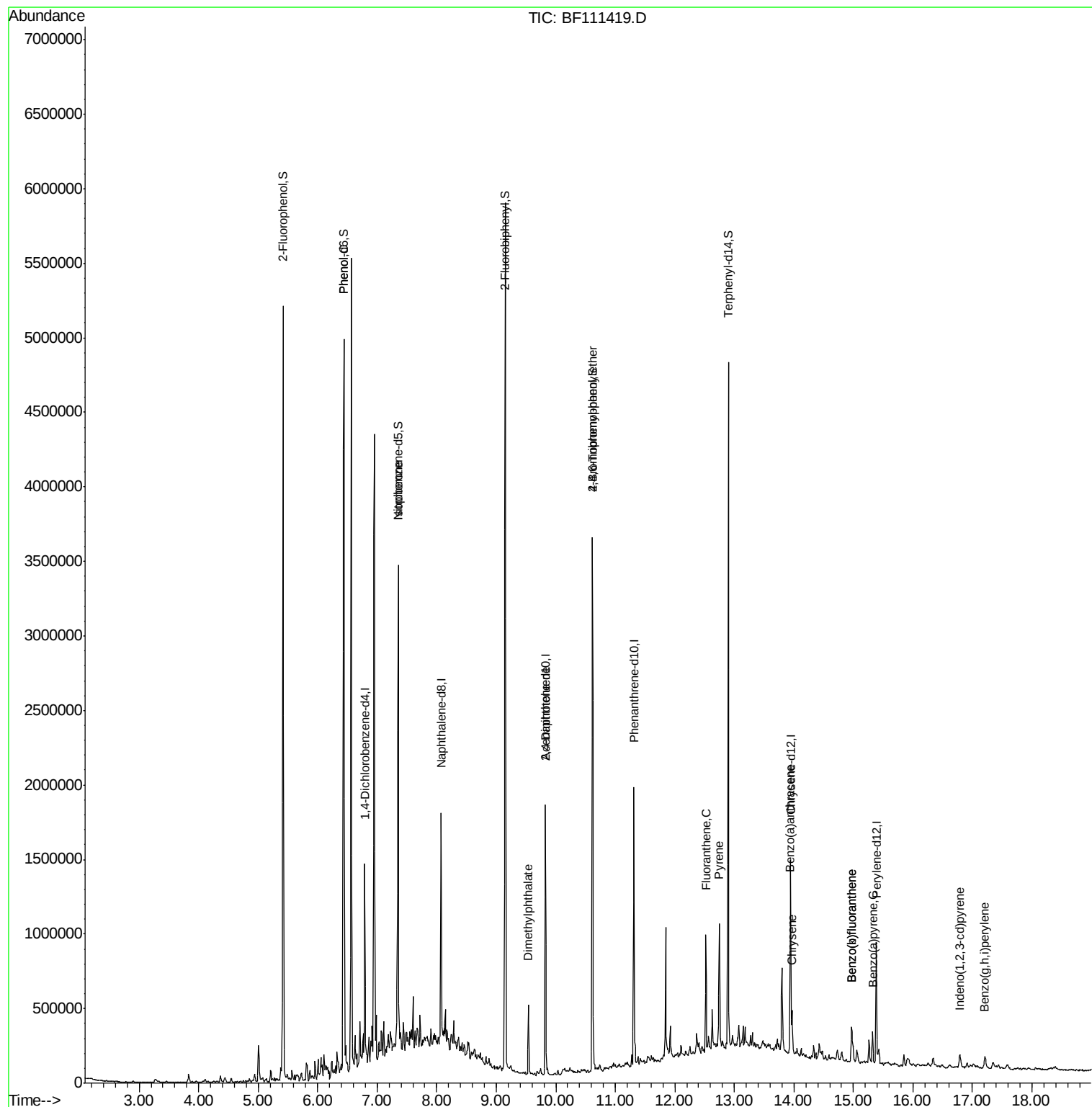
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	122760	8.100	ng	88
25) Isophorone	7.35	82	1089379	56.102	ng	# 65
50) Dimethylphthalate	9.54	163	167843	6.773	ng	98
57) 2,4-Dinitrotoluene	9.83	165	43983	6.008	ng	# 24
67) 4-Bromophenyl-phenylether	10.62	248	26537	4.018	ng	# 1
75) Fluoranthene	12.52	202	269711	8.732	ng	98
78) Pyrene	12.75	202	370935	13.634	ng	95
81) Benzo(a)anthracene	13.93	228	116901	5.571	ng	99
83) Chrysene	13.97	228	109473	4.953	ng	95
86) Indeno(1,2,3-cd)pyrene	16.79	276	61770	3.872	ng	# 91
88) Benzo(b)fluoranthene	14.97	252	164662	8.249	ng	97
89) Benzo(k)fluoranthene	14.97	252	164662	8.633	ng	97
90) Benzo(a)pyrene	15.32	252	101793	5.655	ng	98
92) Benzo(a,h,i)perylene	17.21	276	60834	4.365	ng	94

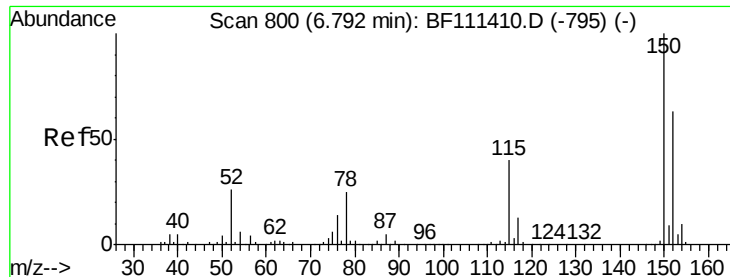
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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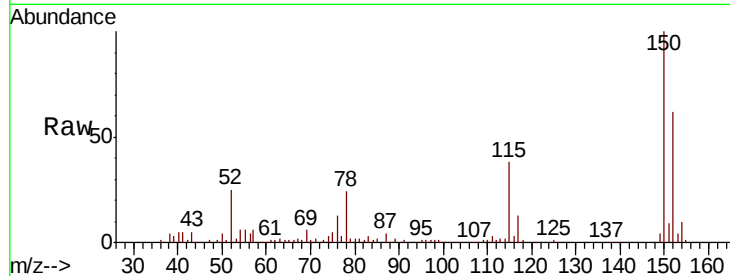


#1

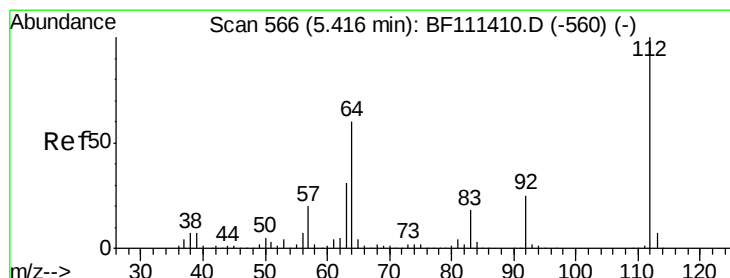
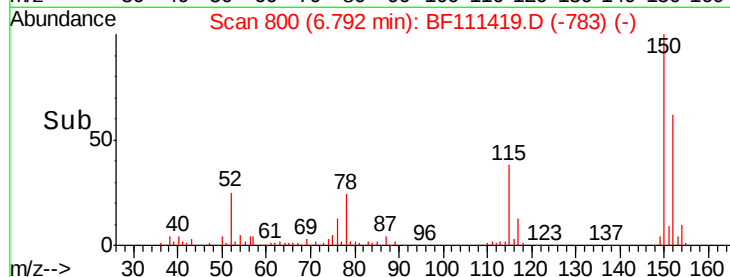
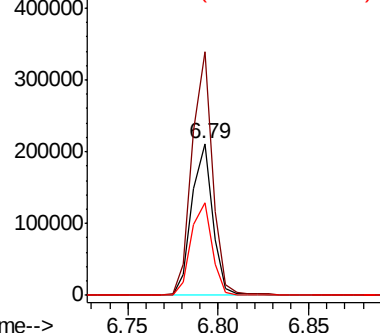
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111419.D
Acq: 14 Dec 2018 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 170201
Ion Ratio Lower Upper
152 100
150 160.4 126.6 189.8
115 60.9 50.7 76.1



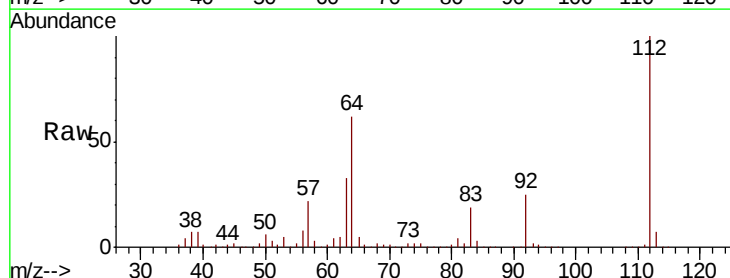
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



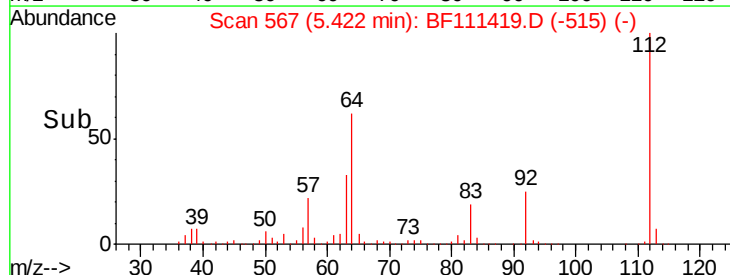
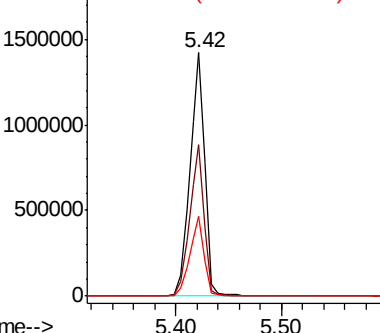
#5

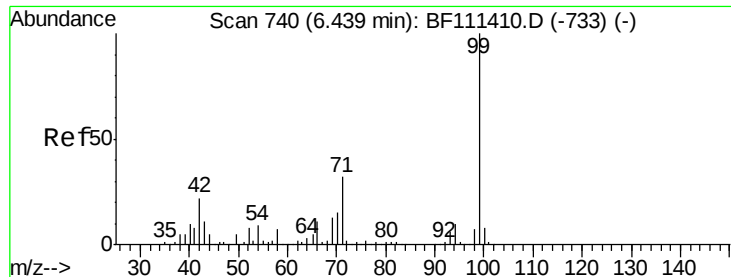
2-Fluorophenol
Concen: 138.129 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111419.D
Acq: 14 Dec 2018 15:27

Tgt Ion:112 Resp: 1412789
Ion Ratio Lower Upper
112 100
64 62.1 51.8 77.6
63 32.9 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: 132.980 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111419.D

Acq: 14 Dec 2018 15:27

Instrument :

BNA_F

ClientSampleId :

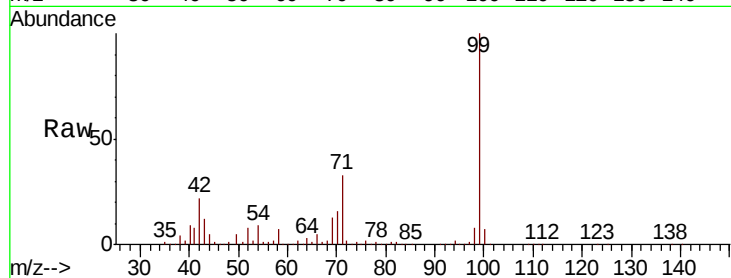
Tot Ion: 99 Resp: 1809202

Ion Ratio Lower Upper

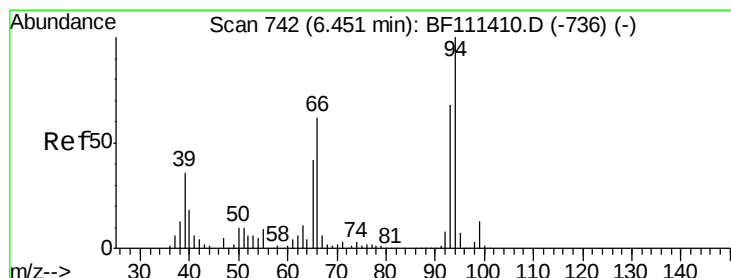
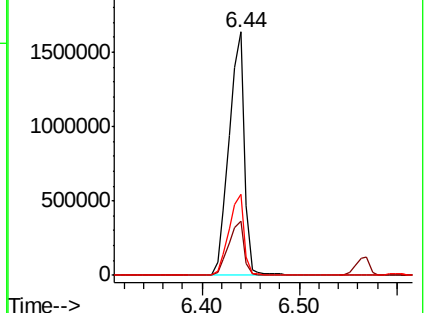
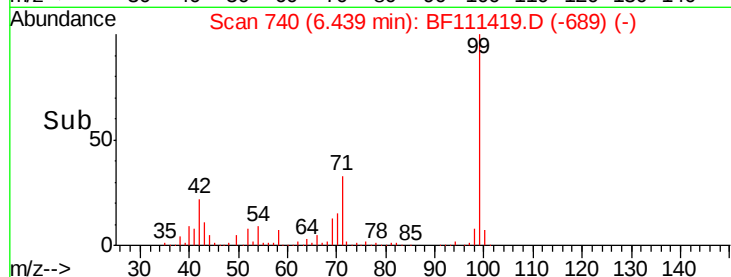
99 100

42 22.1 17.4 26.0

71 33.3 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: 8.100 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111419.D

Acq: 14 Dec 2018 15:27

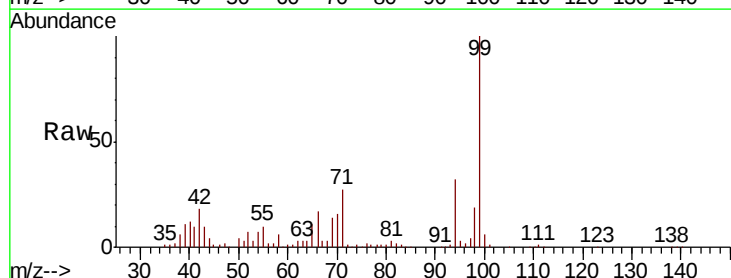
Tgt Ion: 94 Resp: 122760

Ion Ratio Lower Upper

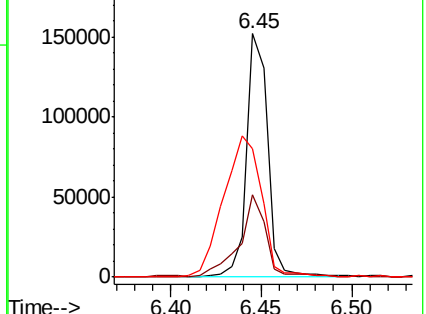
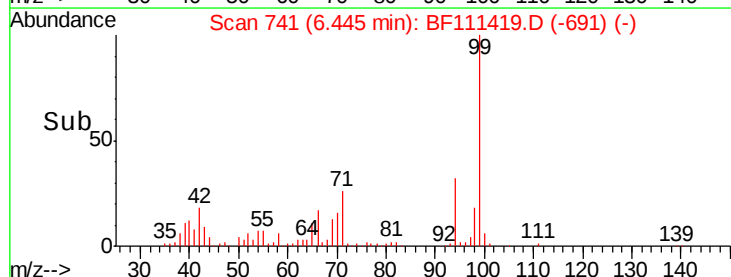
94 100

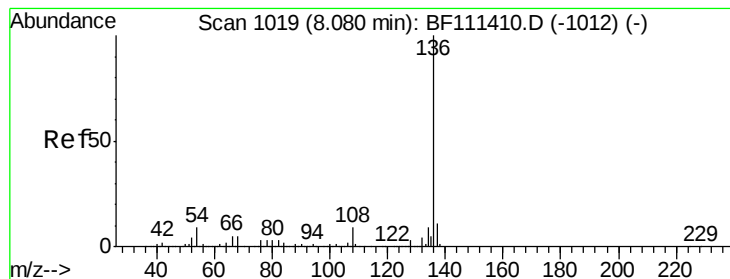
65 34.0 11.7 51.7

66 52.8 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111419.D

Acq: 14 Dec 2018 15:27

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 683392

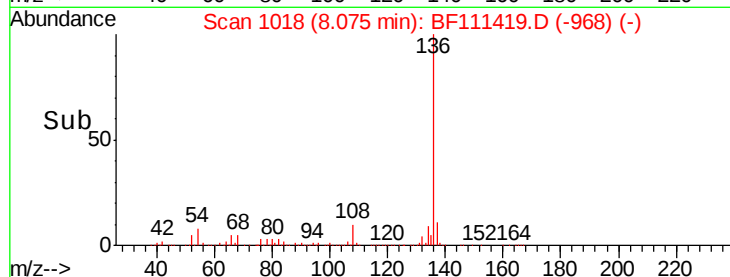
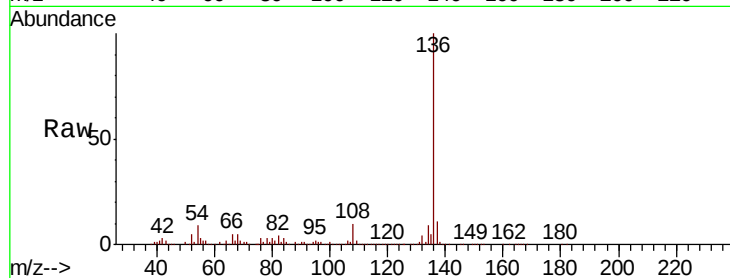
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 8.7 7.7 11.5

68 4.9 4.9 7.3

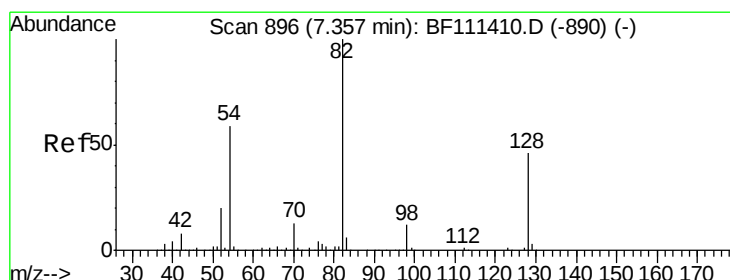
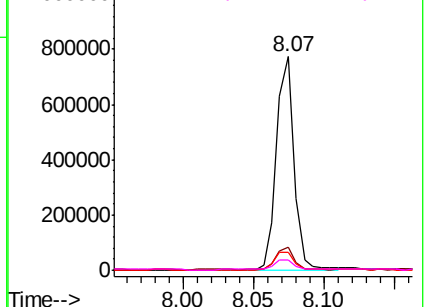


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 96.654 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111419.D

Acq: 14 Dec 2018 15:27

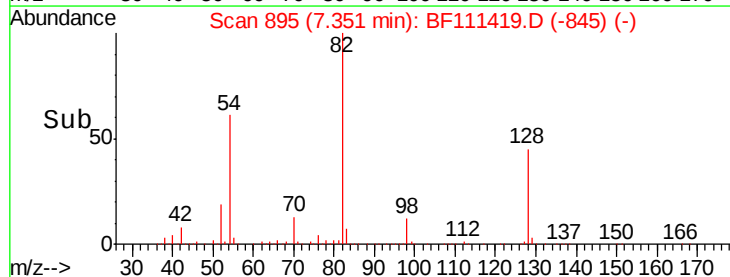
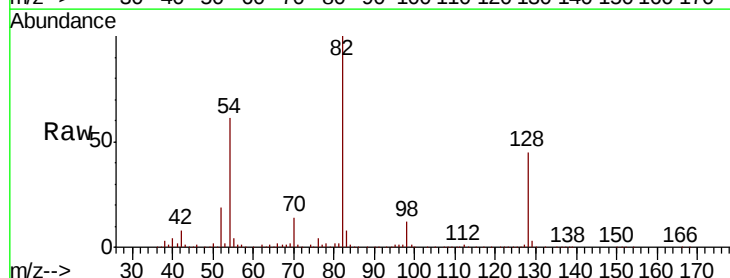
Tgt Ion: 82 Resp: 1109216

Ion Ratio Lower Upper

82 100

128 44.9 37.4 56.2

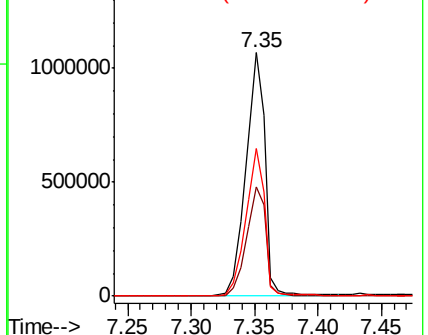
54 60.9 47.6 71.4

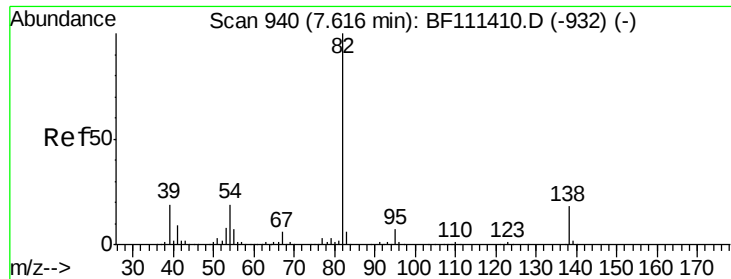


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

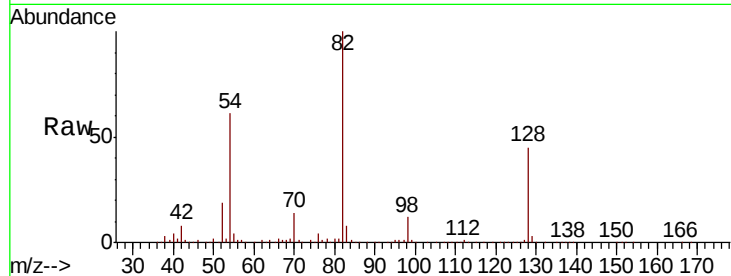




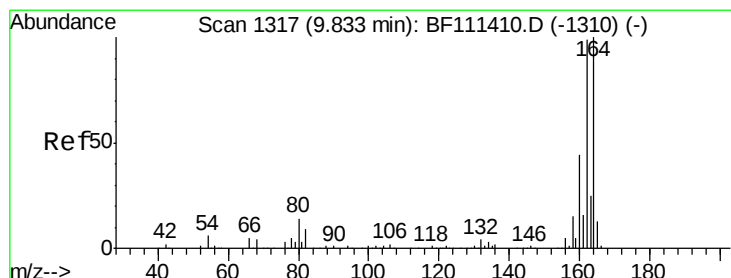
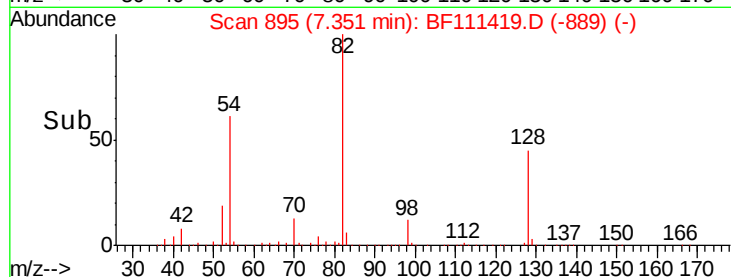
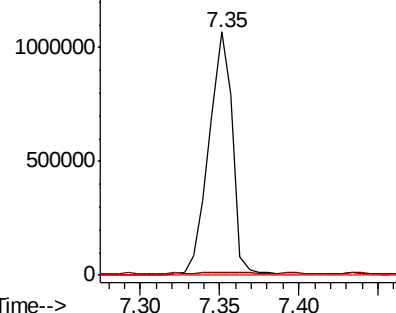
#25
Isophorone
Concen: 56.102 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BF111419.D
Acq: 14 Dec 2018 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1089379
Ion Ratio Lower Upper
82 100
95 1.1 5.4 8.2#
138 0.1 15.1 22.7#

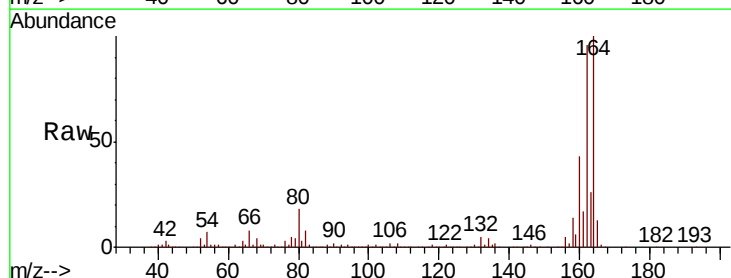


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E

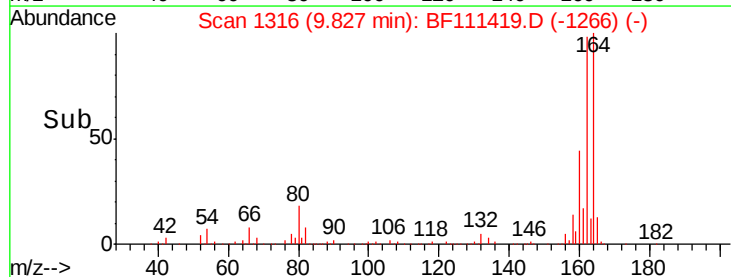
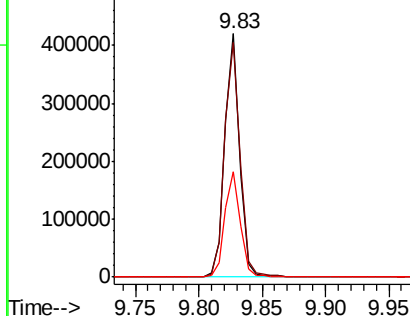


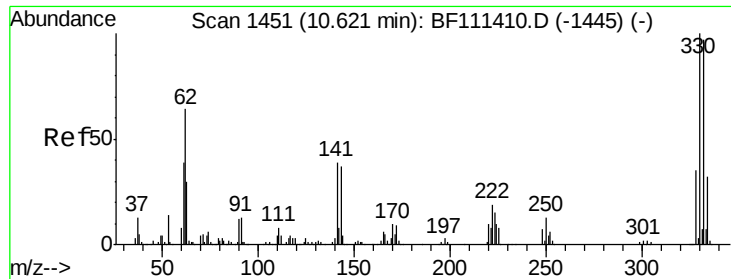
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111419.D
Acq: 14 Dec 2018 15:27

Tgt Ion:164 Resp: 344100
Ion Ratio Lower Upper
164 100
162 96.4 81.4 122.0
160 43.4 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: 130.434 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111419.D

Acq: 14 Dec 2018 15:27

Instrument :

BNA_F

ClientSampleId :

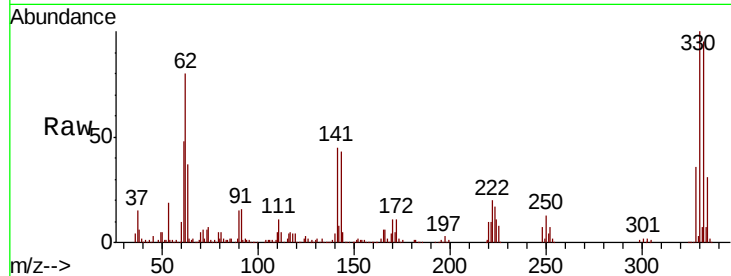
Tot Ion:330 Resp: 402049

Ion Ratio Lower Upper

330 100

332 95.3 76.0 114.0

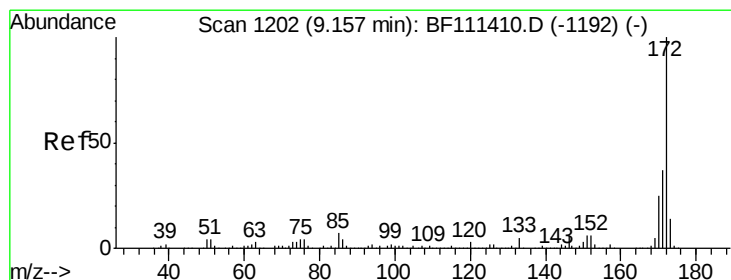
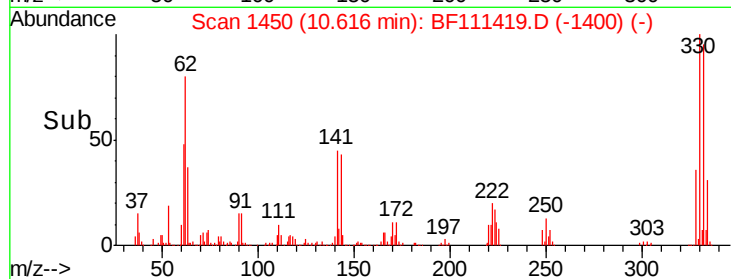
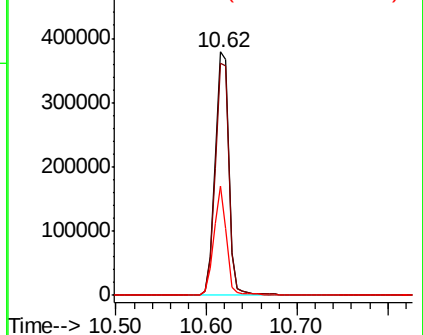
141 41.4 31.0 46.6



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: 78.832 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF111419.D

Acq: 14 Dec 2018 15:27

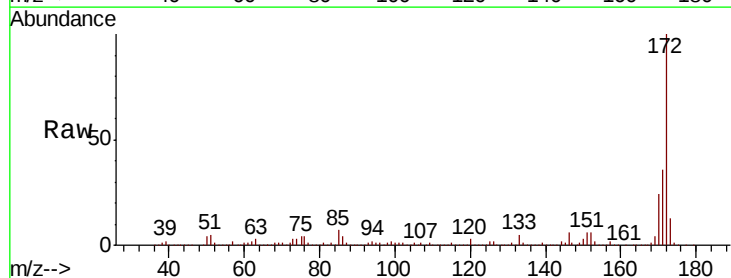
Tgt Ion:172 Resp: 1756140

Ion Ratio Lower Upper

172 100

171 36.0 33.0 49.4

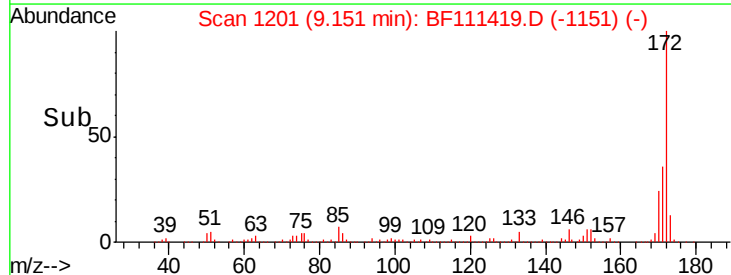
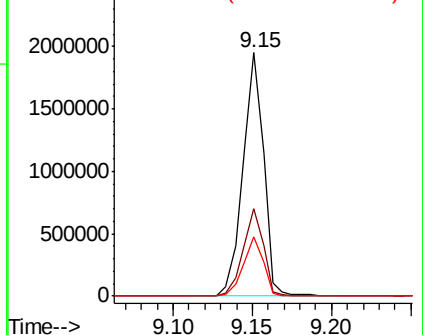
170 24.1 22.3 33.5

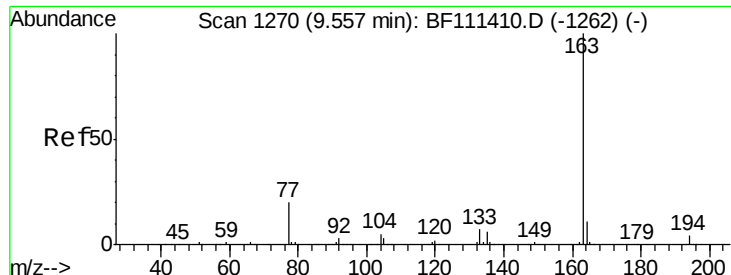


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

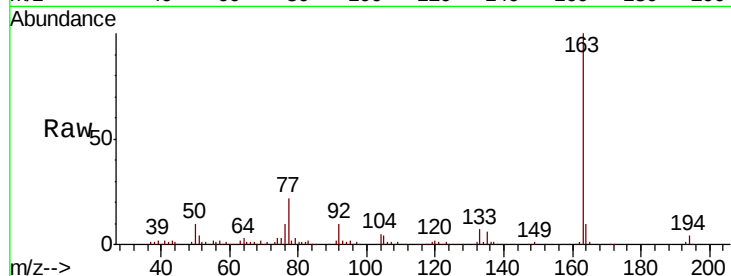




#50
Dimethylphthalate
Concen: 6.773 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111419.D
Acq: 14 Dec 2018 15:27

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.3	8.9	13.3

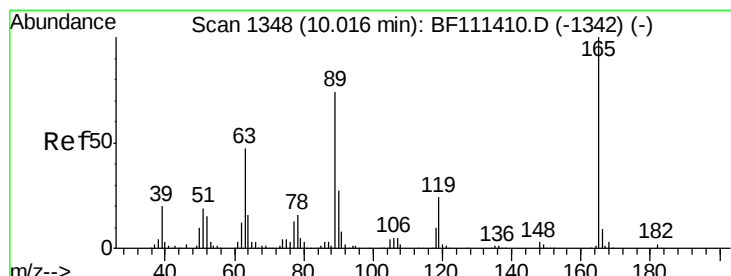
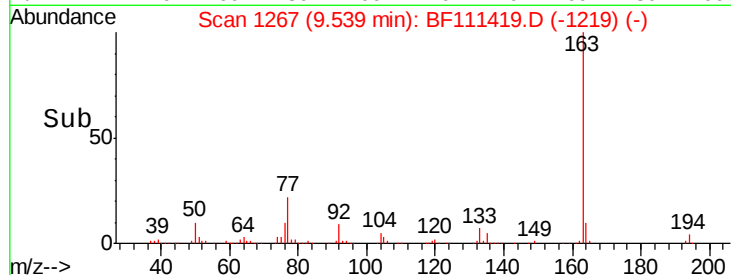
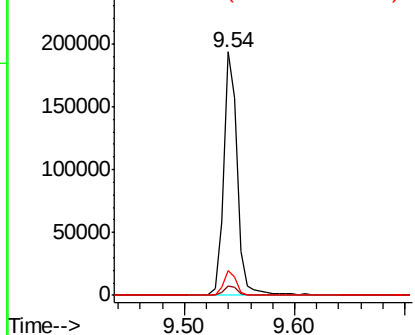


Abundance

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: 6.008 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF111419.D
Acq: 14 Dec 2018 15:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.6	52.0#
89	1.3	56.2	84.4#
182	0.6	1.8	2.6#

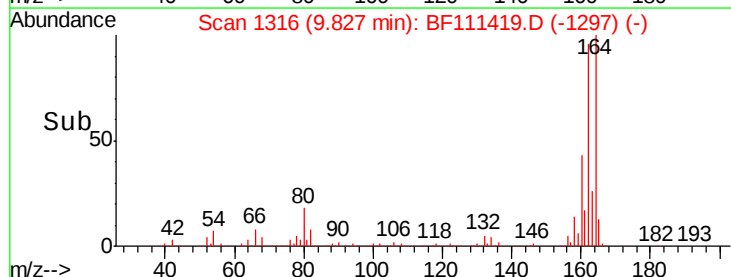
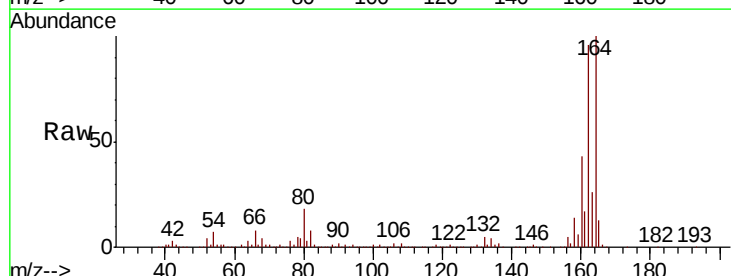
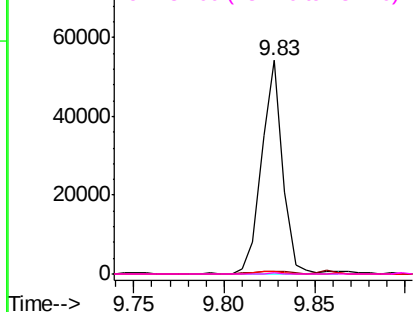
Abundance

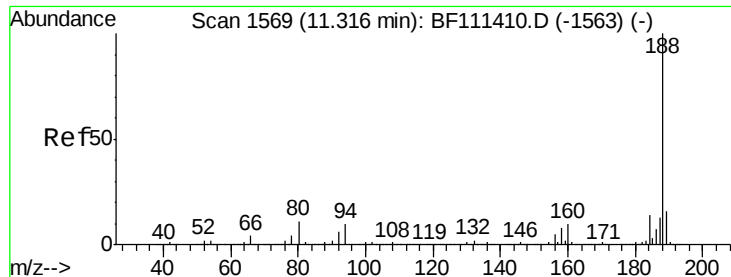
Ion 165.00 (164.70 to 165.70): E

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: BF111419.D

Acq: 14 Dec 2018 15:27

Instrument :

BNA_F

ClientSampled :

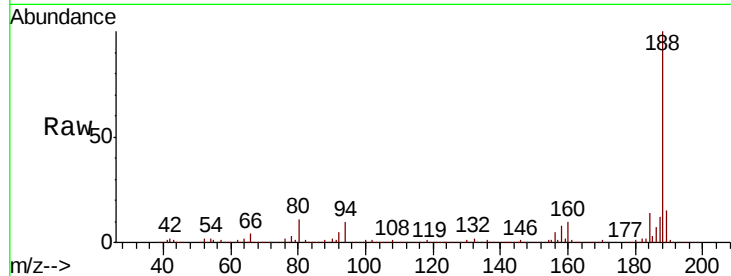
Tot Ion:188 Resp: 612752

Ion Ratio Lower Upper

188 100

94 9.7 9.6 14.4

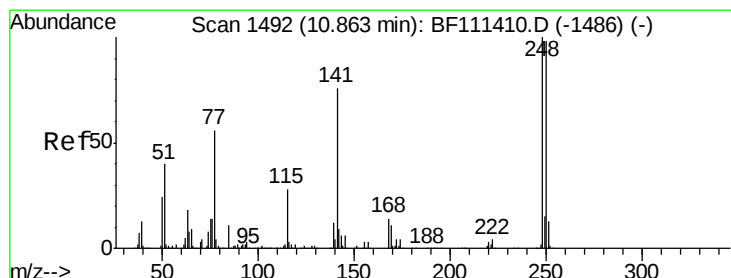
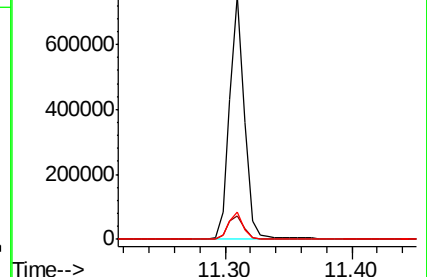
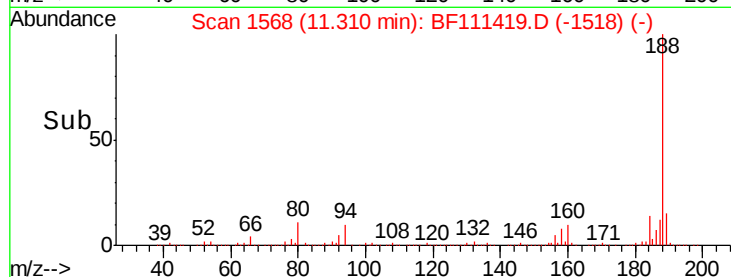
80 11.0 9.8 14.6



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: 4.018 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.25 min

Lab File: BF111419.D

Acq: 14 Dec 2018 15:27

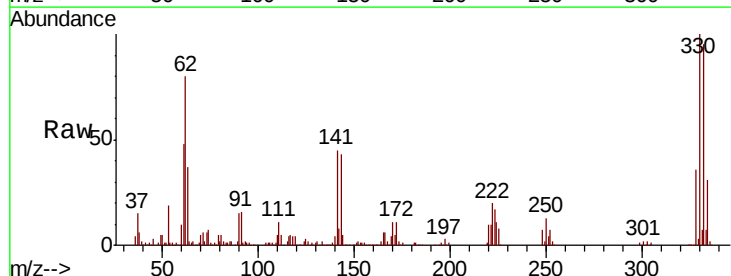
Tgt Ion:248 Resp: 26537

Ion Ratio Lower Upper

248 100

250 182.7 77.0 115.4#

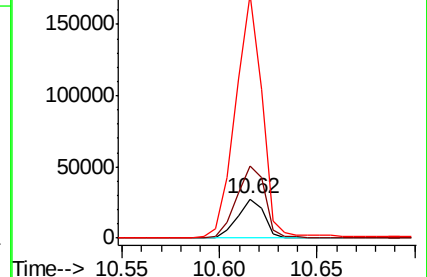
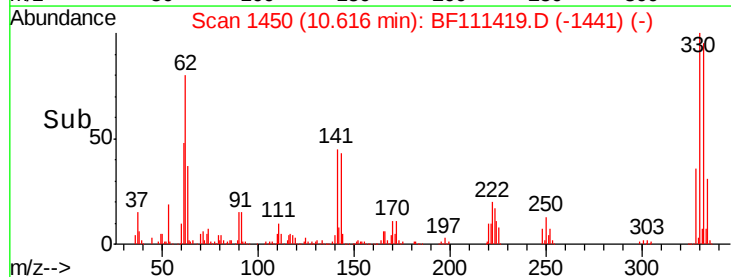
141 618.6 63.0 94.6#

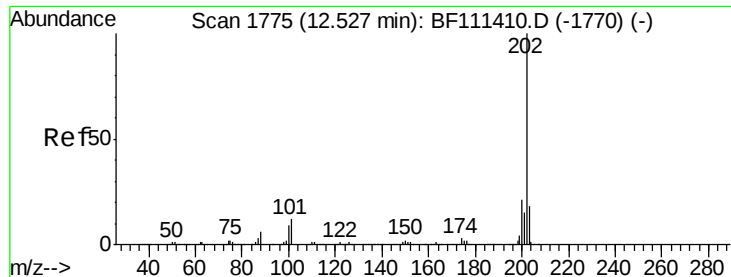


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 8.732 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111419.D

Acq: 14 Dec 2018 15:27

Instrument :

BNA_F

ClientSampleId :

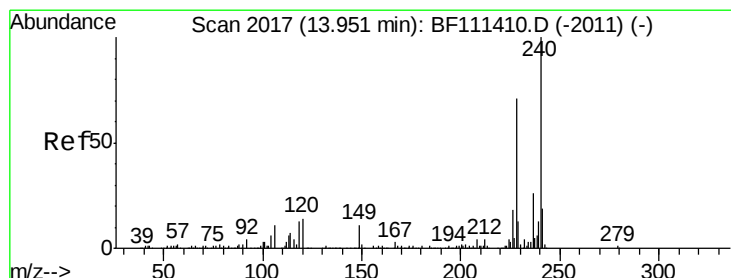
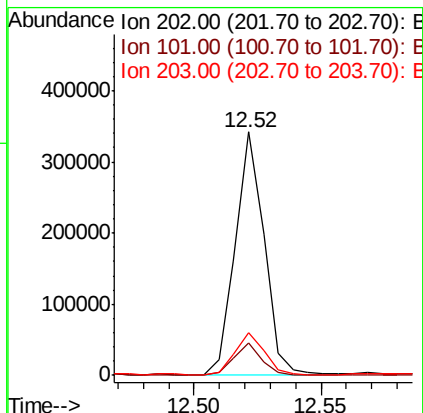
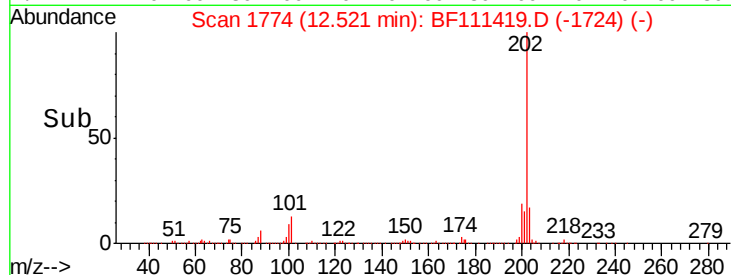
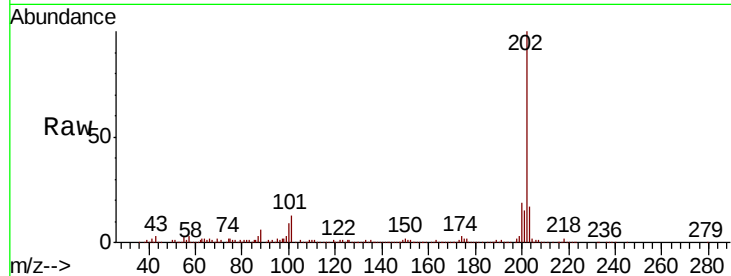
Tot Ion:202 Resp: 269711

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.8

203 17.3 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF111419.D

Acq: 14 Dec 2018 15:27

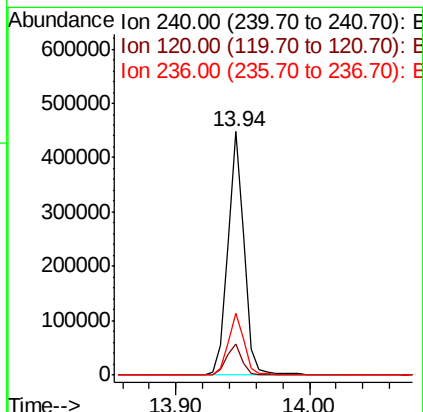
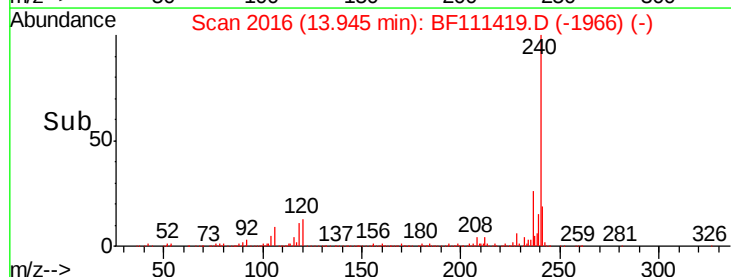
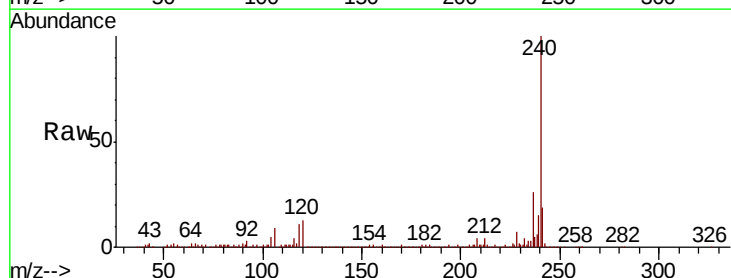
Tgt Ion:240 Resp: 385891

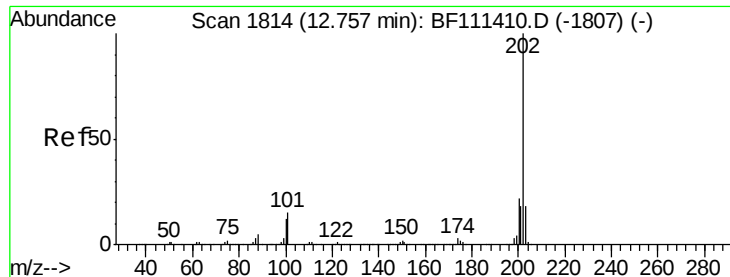
Ion Ratio Lower Upper

240 100

120 12.9 12.2 18.2

236 25.6 20.2 30.2

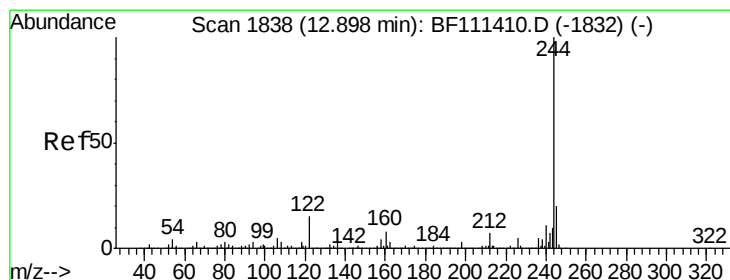
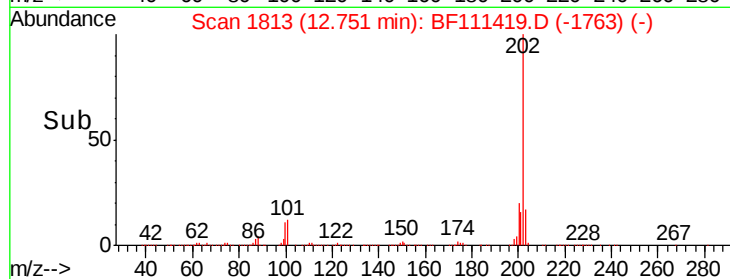
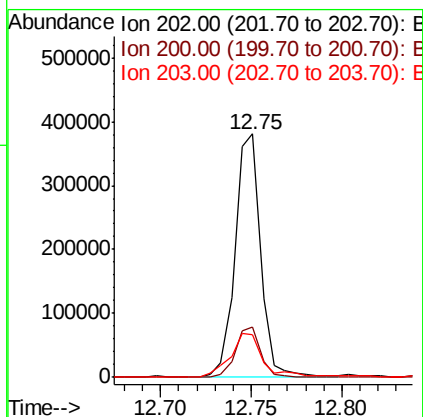
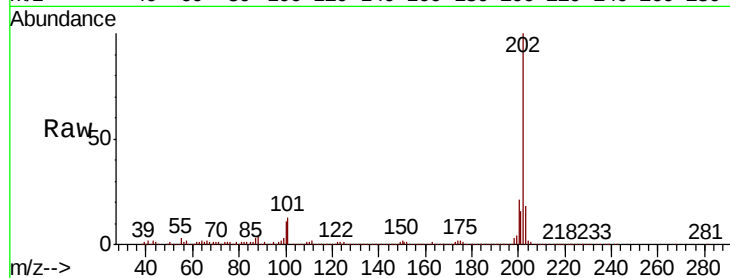




#78
Pvrene
Concen: 13.634 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111419.D
Acq: 14 Dec 2018 15:27

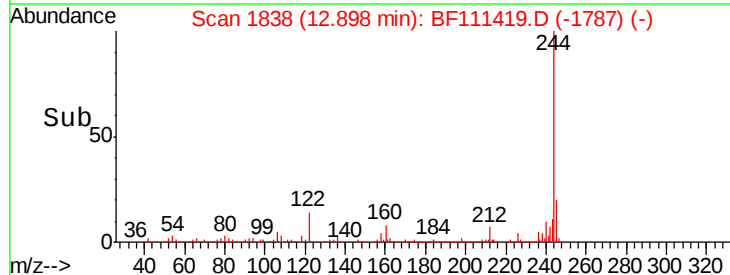
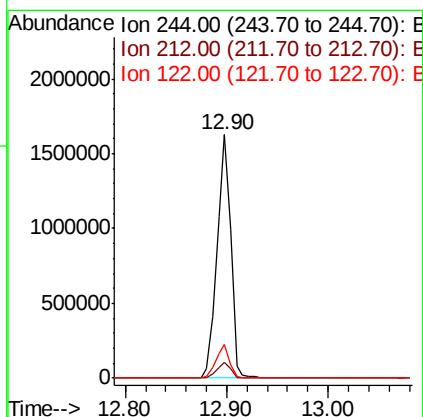
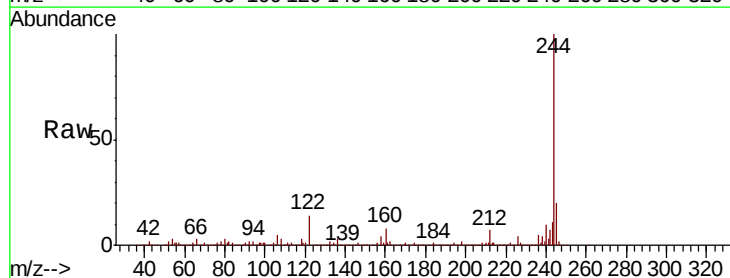
Instrument :
BNA_F
ClientSampleId :

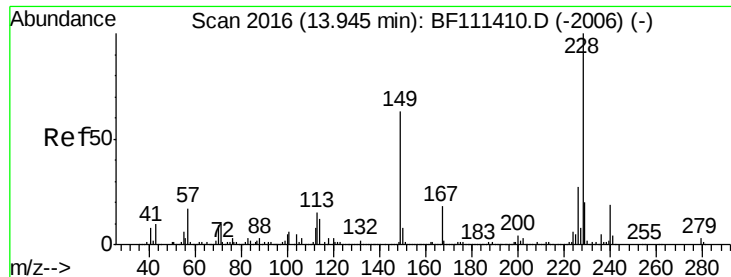
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	19.0	28.4
203	17.6	15.2	22.8



#79
Terphenyl-d14
Concen: 93.262 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF111419.D
Acq: 14 Dec 2018 15:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	13.7	13.1	19.7





#81

Benzo(a)anthracene

Concen: 5.571 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF111419.D

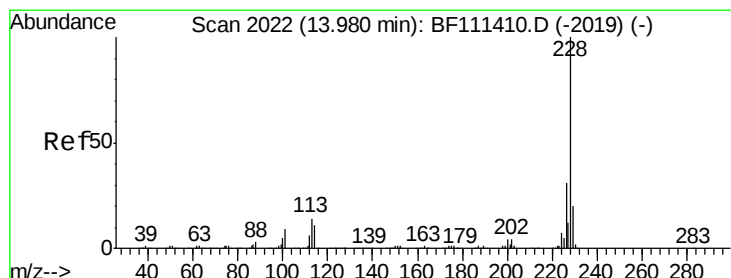
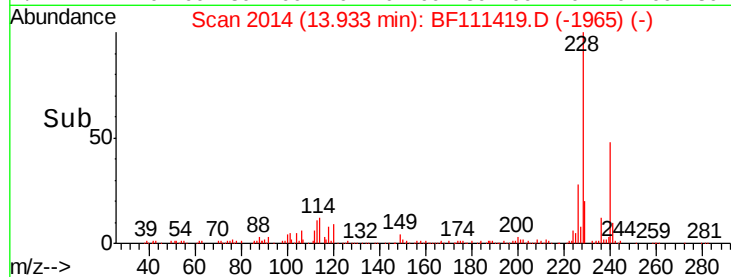
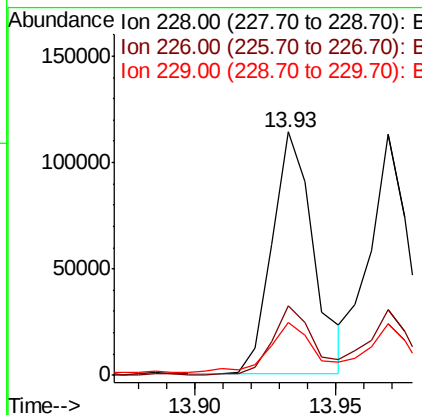
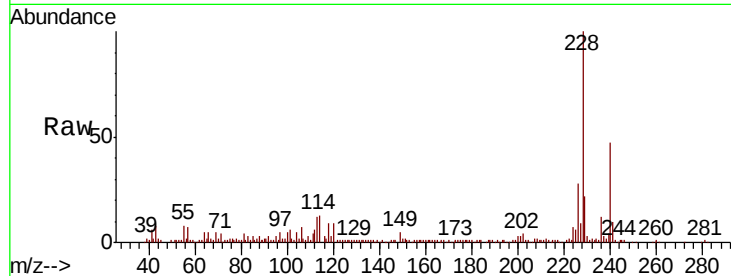
Acq: 14 Dec 2018 15:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	116901
Ion Ratio	Lower	Upper
228	100	
226	28.4	22.6 34.0
229	21.8	16.3 24.5



#83

Chrysene

Concen: 4.953 ng

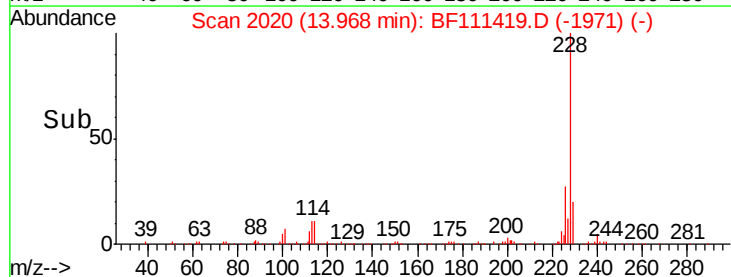
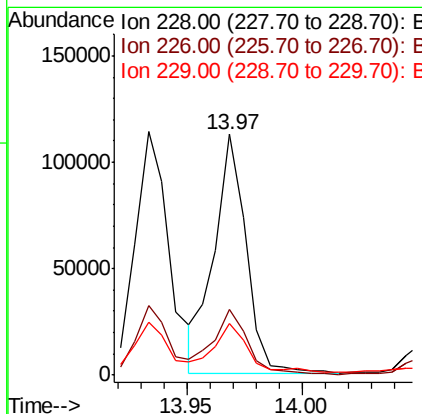
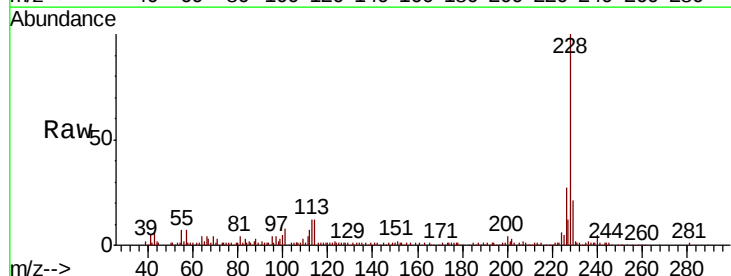
RT: 13.97 min Scan# 2020

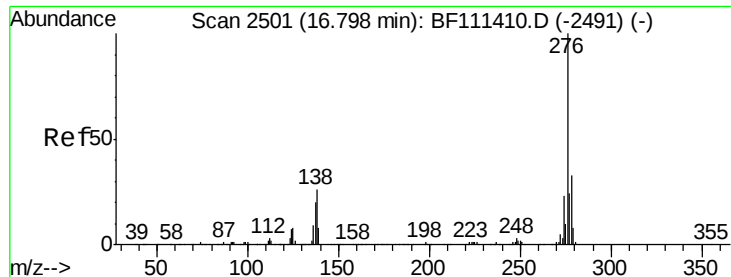
Delta R.T. -0.01 min

Lab File: BF111419.D

Acq: 14 Dec 2018 15:27

Tgt Ion:228	Resp:	109473
Ion Ratio	Lower	Upper
228	100	
226	27.5	25.3 37.9
229	21.2	17.2 25.8

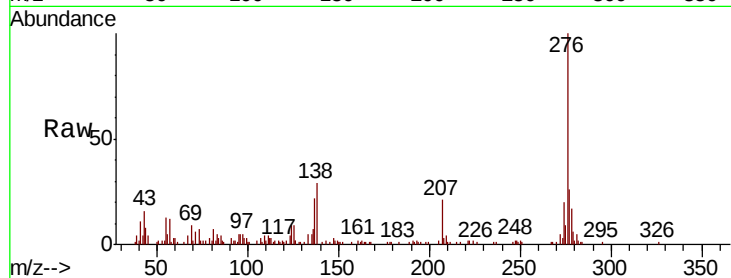




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.872 ng
 RT: 16.79 min Scan# 2499
 Delta R.T. -0.01 min
 Lab File: BF111419.D
 Acq: 14 Dec 2018 15:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.9	27.8	41.6#
277	25.2	20.1	30.1

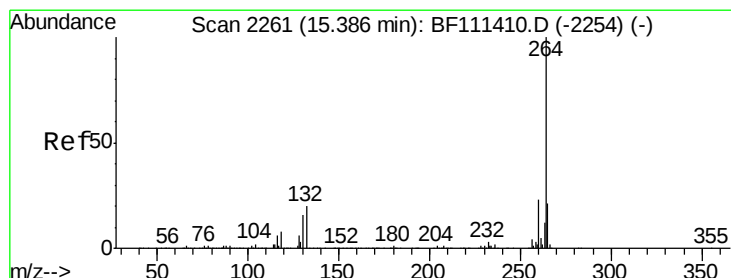
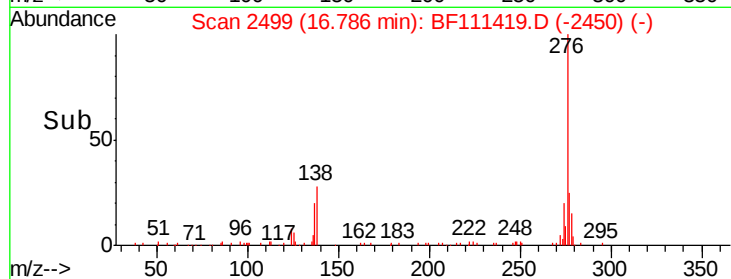
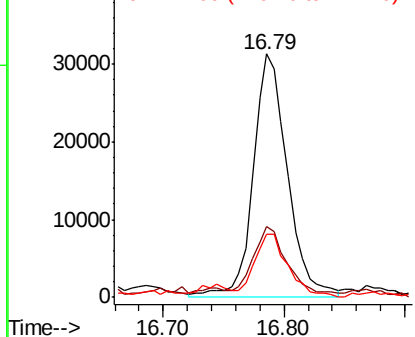


Abundance

Ion 276.00 (275.70 to 276.70): E

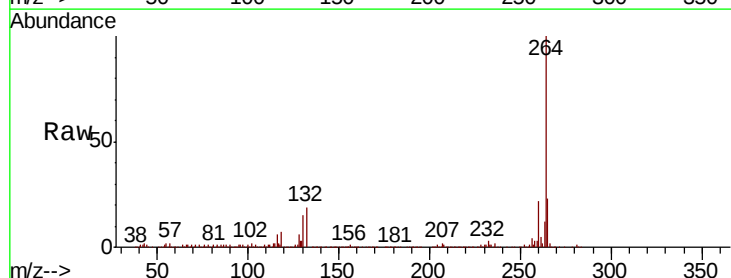
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: BF111419.D
 Acq: 14 Dec 2018 15:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.3	27.5
265	22.6	17.7	26.5

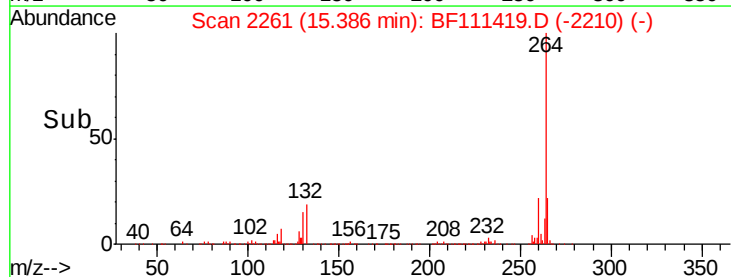
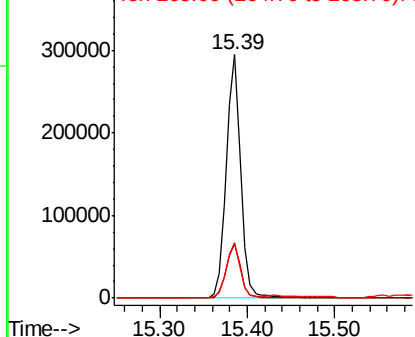


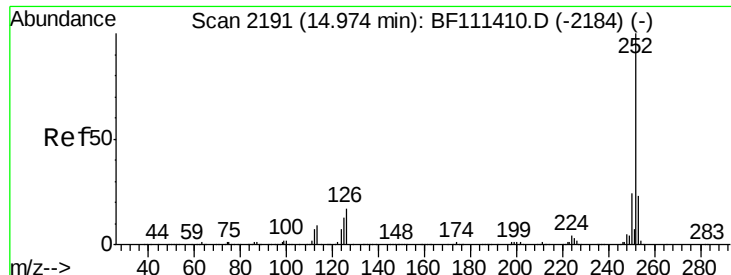
Abundance

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

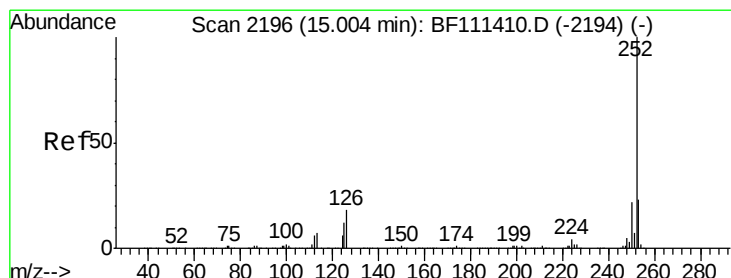
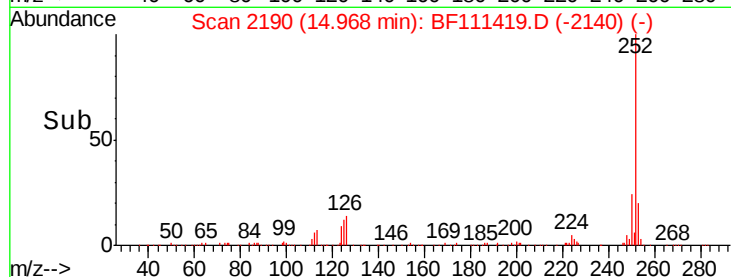
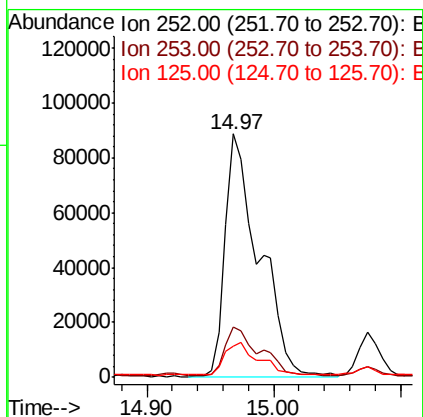
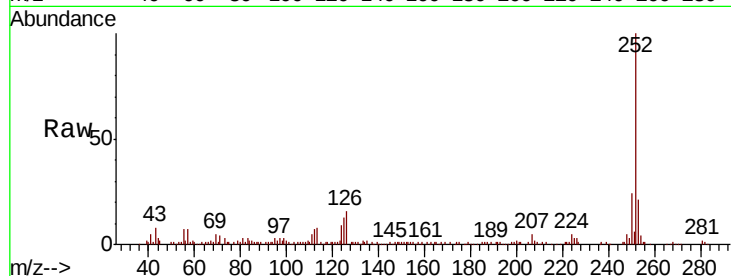




#88
Benzo(b)fluoranthene
Concen: 8.249 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF111419.D
Acq: 14 Dec 2018 15:27

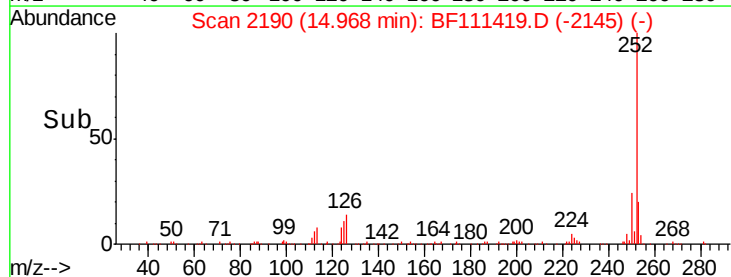
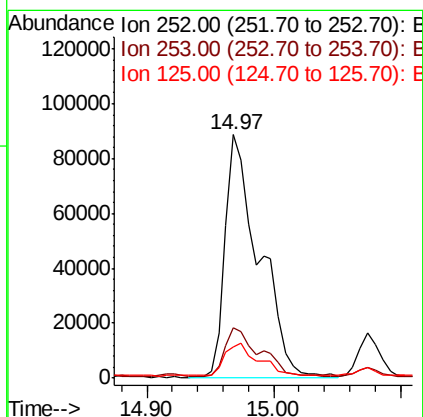
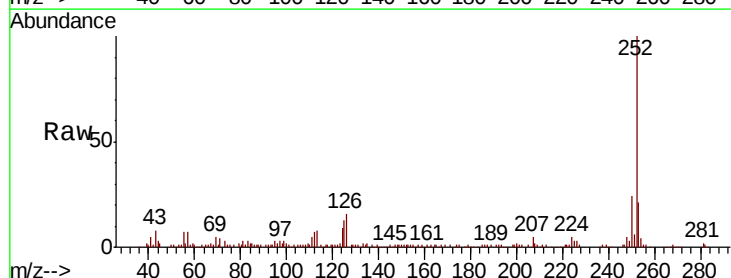
Instrument :
BNA_F
ClientSampled :

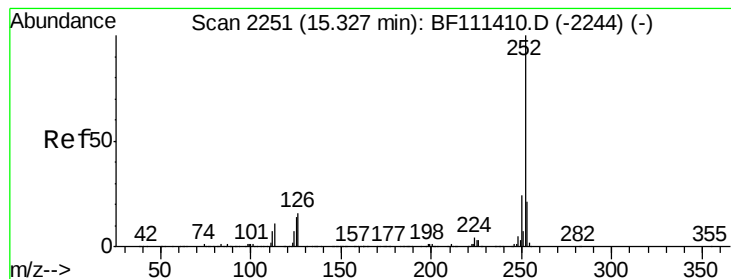
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.2	27.2
125	12.6	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 8.633 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF111419.D
Acq: 14 Dec 2018 15:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.1	27.1
125	12.6	9.8	14.8





#90

Benzo(a)pyrene

Concen: 5.655 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.01 min

Lab File: BF111419.D

Acq: 14 Dec 2018 15:27

Instrument :

BNA_F

ClientSampleId :

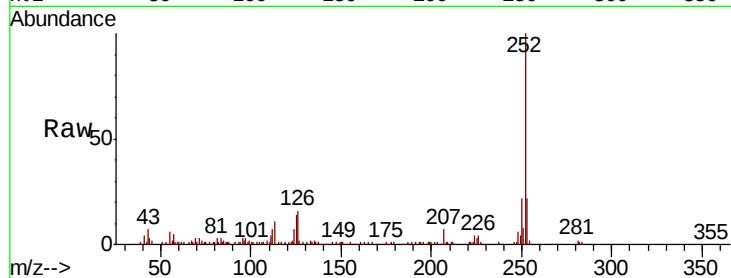
Tot Ion:252 Resp: 101793

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 13.8 12.3 18.5

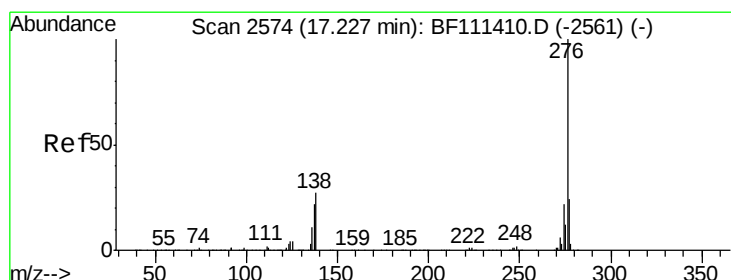
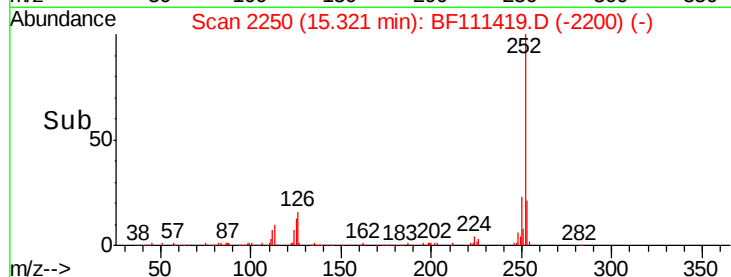
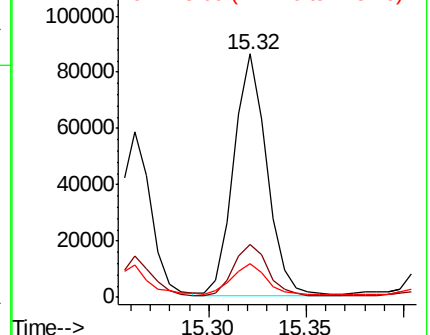


Abundance

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: 4.365 ng

RT: 17.21 min Scan# 2571

Delta R.T. -0.02 min

Lab File: BF111419.D

Acq: 14 Dec 2018 15:27

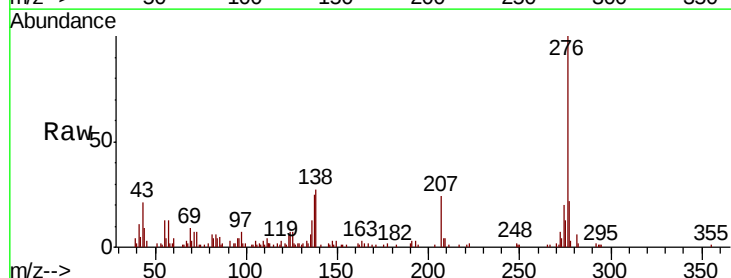
Tgt Ion:276 Resp: 60834

Ion Ratio Lower Upper

276 100

277 21.9 19.2 28.8

138 26.6 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

