

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121418\
 Data File : BF111432.D
 Acq On : 14 Dec 2018 21:25
 Operator : JU/SJ
 Sample : J6199-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-121218-B

Quant Time: Dec 14 22:13:36 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

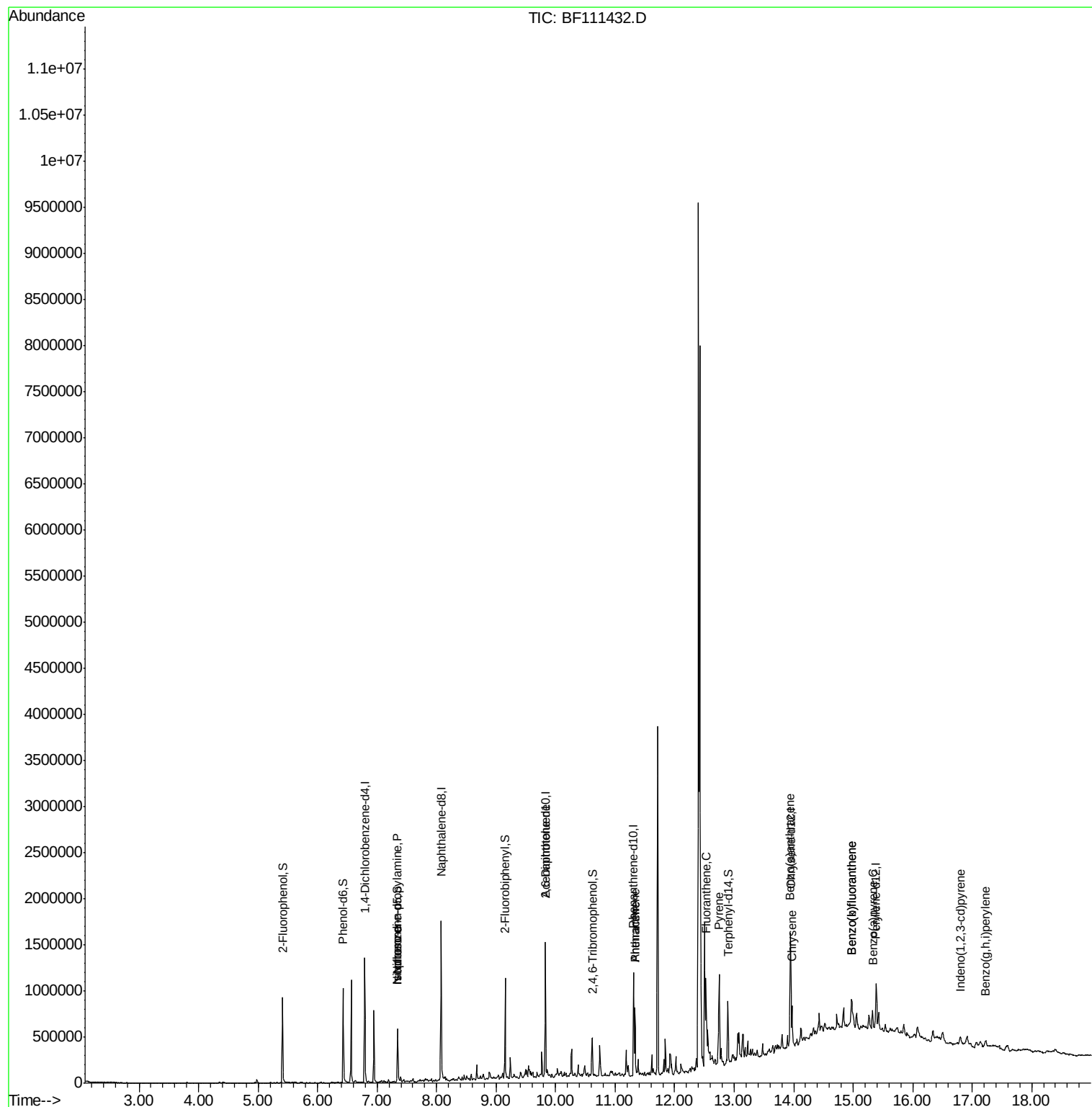
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	177986	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	686807	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	285158	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	402211	20.00	ng	0.00
76) Chrysene-d12	13.95	240	353335	20.00	ng	0.00
87) Perylene-d12	15.39	264	242768	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	246463	23.04	ng	0.00
7) Phenol-d6	6.43	99	311726	21.91	ng	-0.01
23) Nitrobenzene-d5	7.35	82	180605	15.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	43664	17.09	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	329170	17.83	ng	0.00
79) Terphenyl-d14	12.90	244	225255	14.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	23231	2.475	ng	Qvalue 87
25) Isophorone	7.35	82	180603	9.255	ng	# 64
51) 2,6-Dinitrotoluene	9.83	165	38588	8.348	ng	# 30
71) Phenanthrene	11.33	178	254003	12.256	ng	94
72) Anthracene	11.33	178	254003	11.984	ng	95
75) Fluoranthene	12.52	202	387195	19.097	ng	98
78) Pyrene	12.75	202	386598	15.519	ng	95
81) Benzo(a)anthracene	13.94	228	181652	9.455	ng	99
83) Chrysene	13.97	228	158104	7.812	ng	97
86) Indeno(1,2,3-cd)pyrene	16.80	276	48453	3.317	ng	# 90
88) Benzo(b)fluoranthene	14.97	252	191593	13.537	ng	# 92
89) Benzo(k)fluoranthene	14.97	252	191593	14.167	ng	# 92
90) Benzo(a)pyrene	15.33	252	102218	8.009	ng	97
92) Benzo(g,h,i)perylene	17.23	276	45653	4.619	ng	# 91

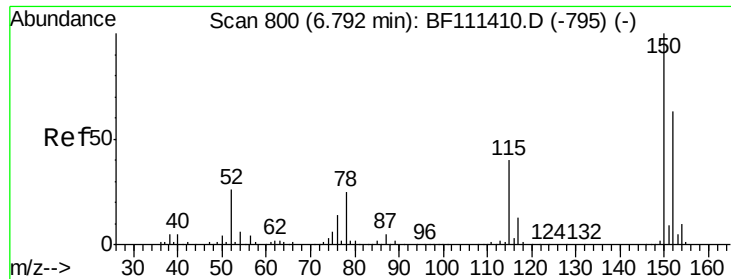
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF111432.D

Acq: 14 Dec 2018 21:25

Instrument :

BNA_G

ClientSampleId :

SU-04-121218-B

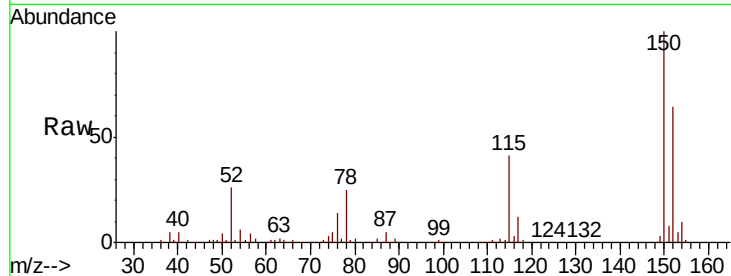
Tgt Ion:152 Resp: 177986

Ion Ratio Lower Upper

152 100

150 157.2 126.6 189.8

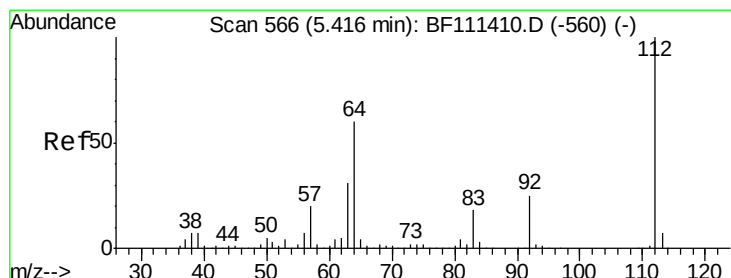
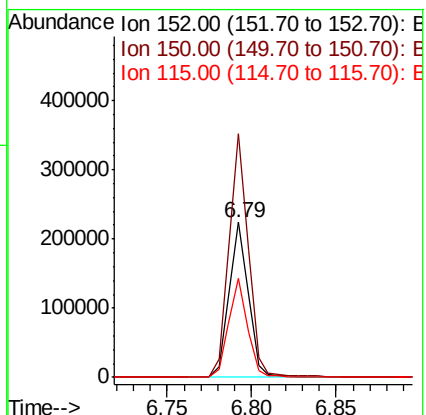
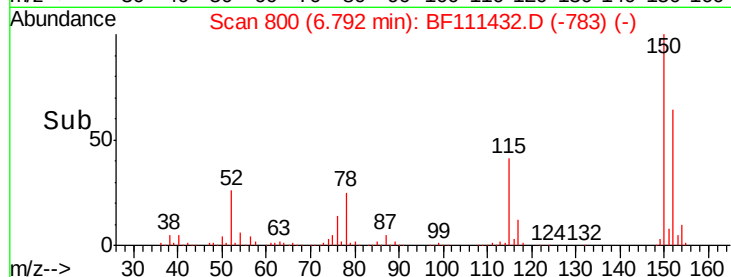
115 63.9 50.7 76.1



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: 23.043 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

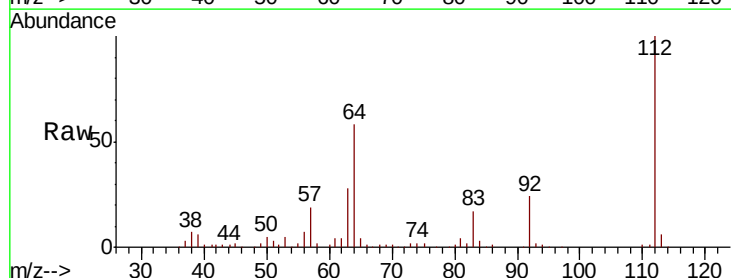
Tgt Ion:112 Resp: 246463

Ion Ratio Lower Upper

112 100

64 57.7 51.8 77.6

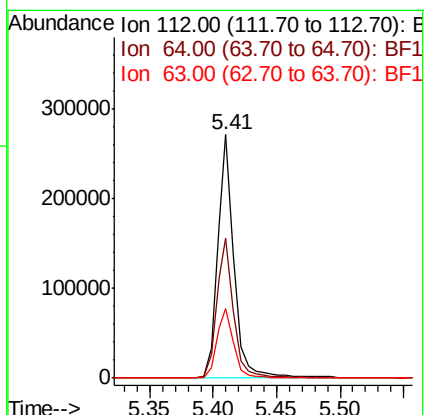
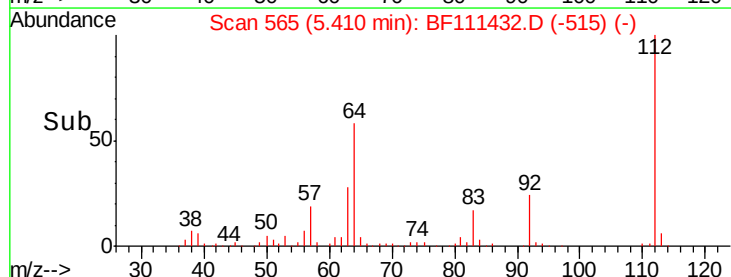
63 28.4 26.8 40.2

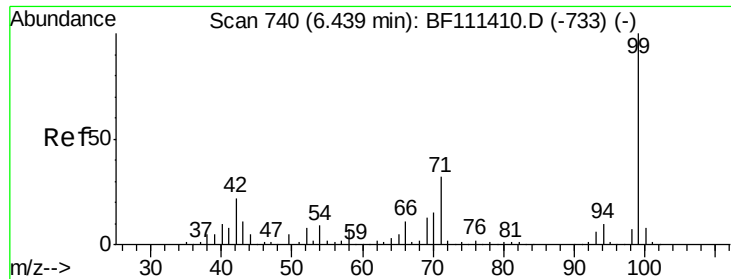


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 21.910 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

Instrument :

BNA_G

ClientSampleId :

SU-04-121218-B

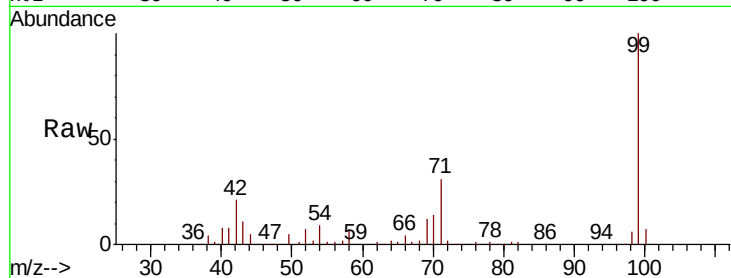
Tgt Ion: 99 Resp: 311726

Ion Ratio Lower Upper

99 100

42 20.9 17.4 26.0

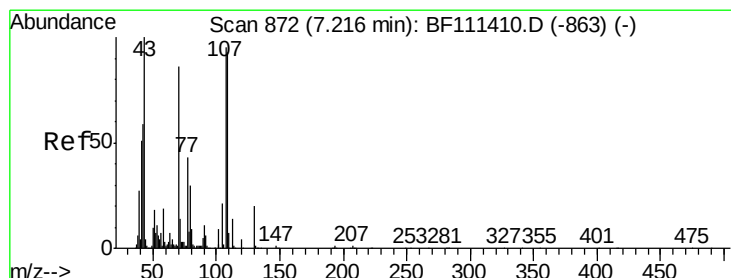
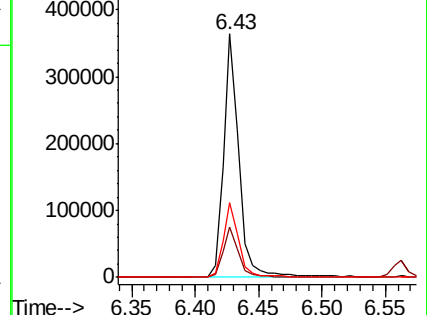
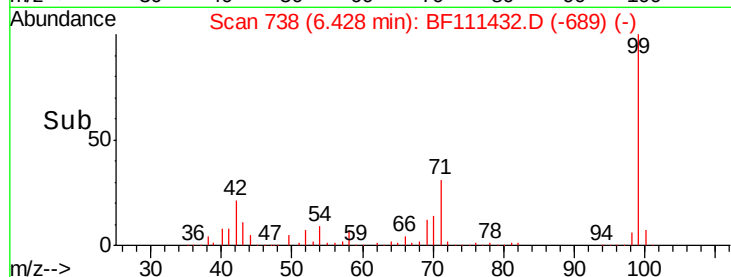
71 30.8 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.475 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.13 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

Tgt Ion: 70 Resp: 23231

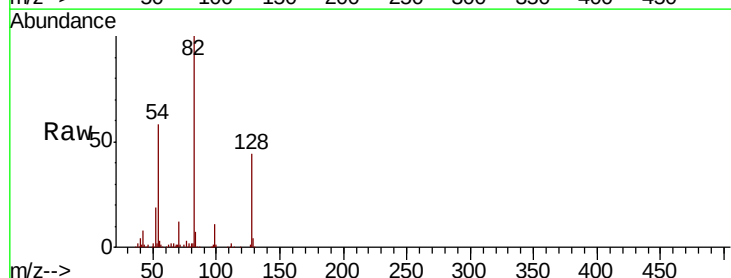
Ion Ratio Lower Upper

70 100

42 65.6 53.2 79.8

101 0.0 8.2 12.4#

130 2.6 18.1 27.1#

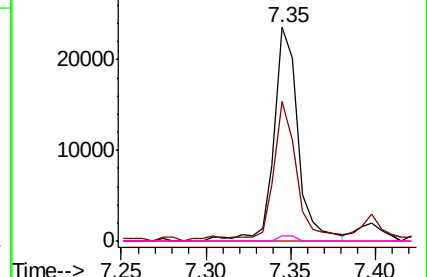
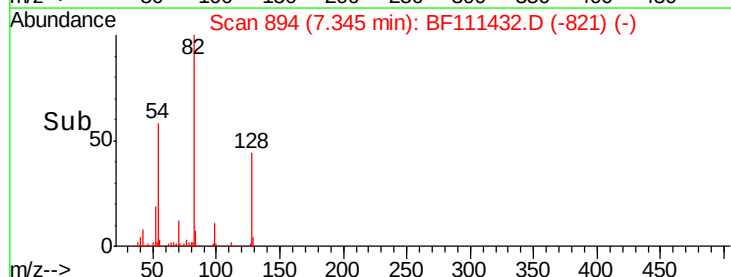


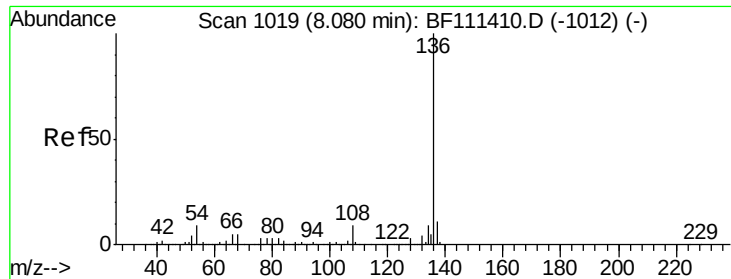
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

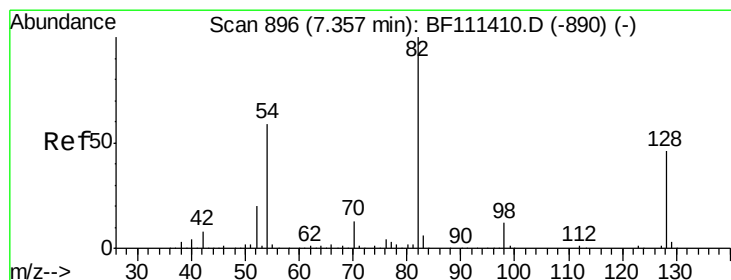
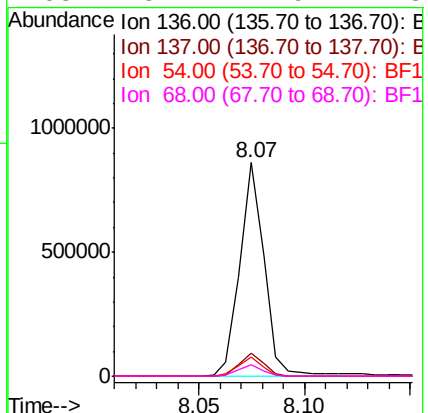
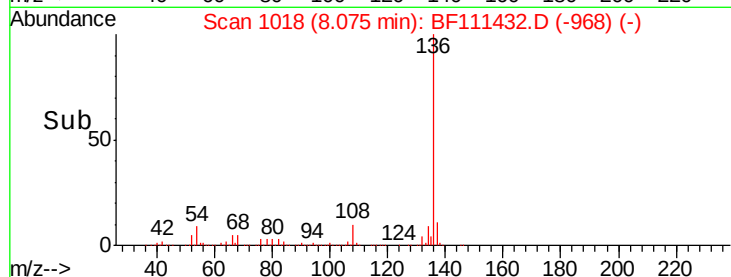
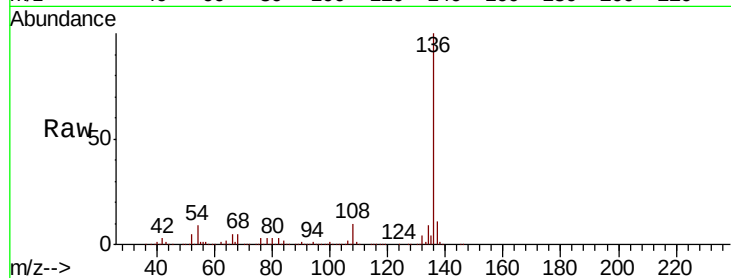




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

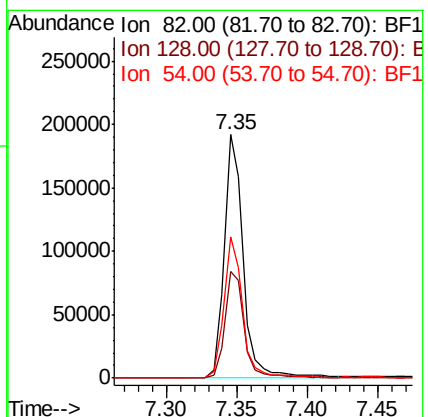
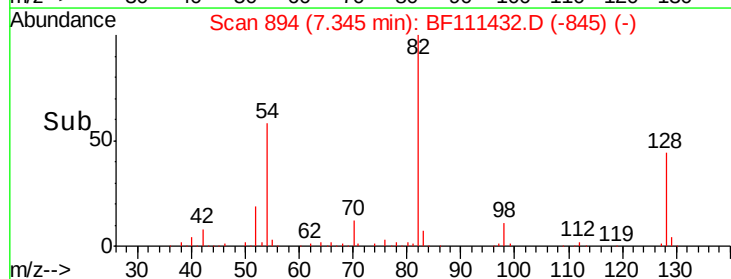
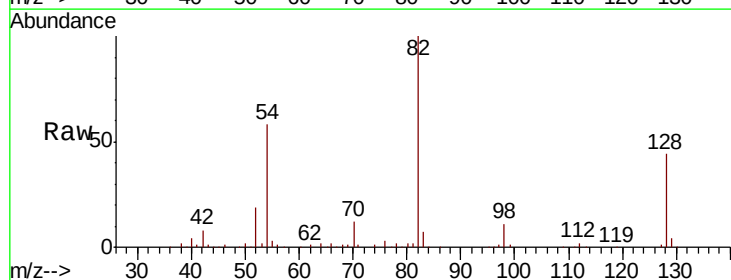
Instrument :
BNA_G
ClientSampleId :
SU-04-121218-B

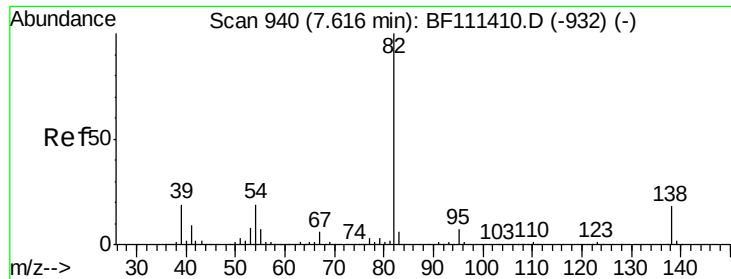
Tgt Ion:	136	Resp:	686807
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	9.2	7.7	11.5
68	5.1	4.9	7.3



#23
Nitrobenzene-d5
Concen: 15.659 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Tgt Ion:	82	Resp:	180605
Ion	Ratio	Lower	Upper
82	100		
128	43.8	37.4	56.2
54	58.0	47.6	71.4





#25

Isophorone

Concen: 9.255 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.27 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

Instrument :

BNA_G

ClientSampleId :

SU-04-121218-B

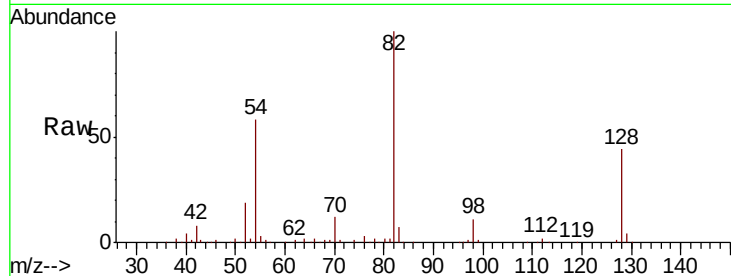
Tgt Ion: 82 Resp: 180603

Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.2#

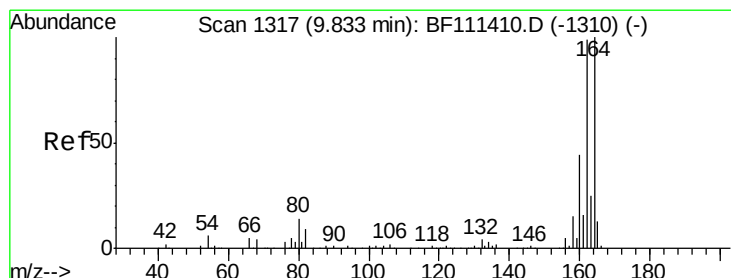
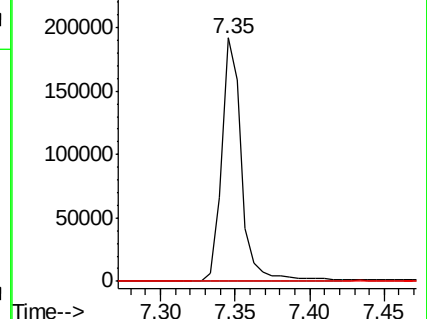
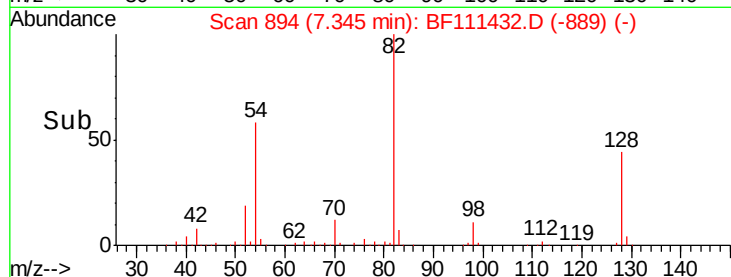
138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

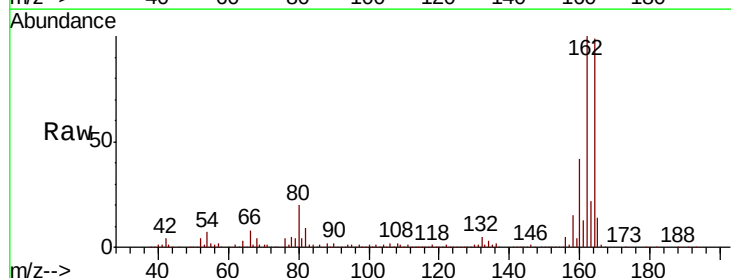
Tgt Ion: 164 Resp: 285158

Ion Ratio Lower Upper

164 100

162 100.5 81.4 122.0

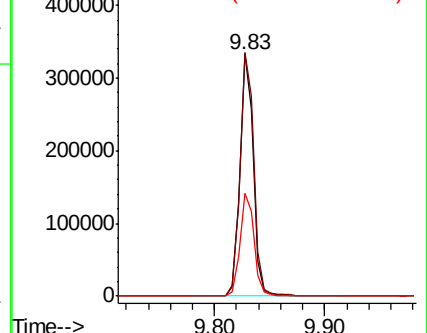
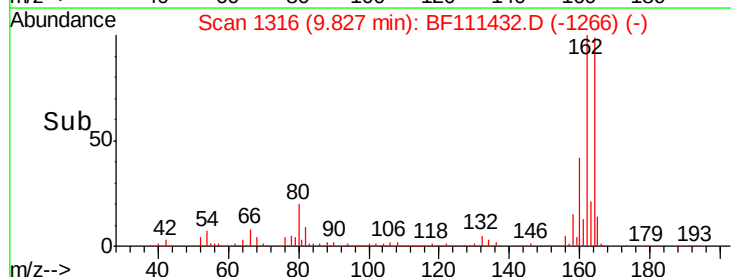
160 42.7 35.7 53.5

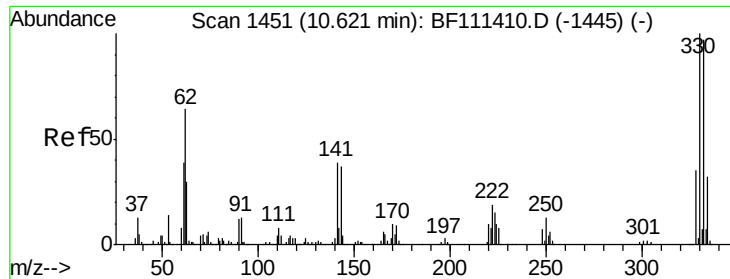


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

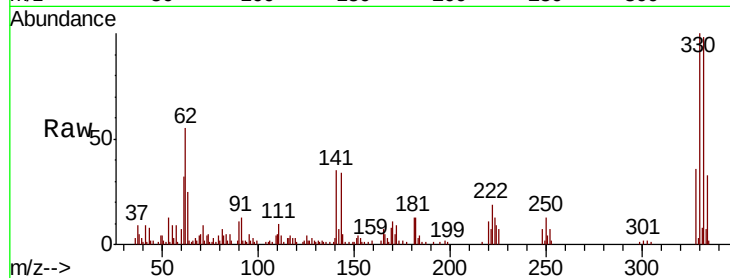




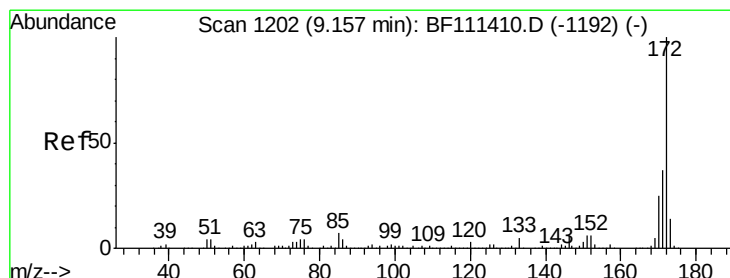
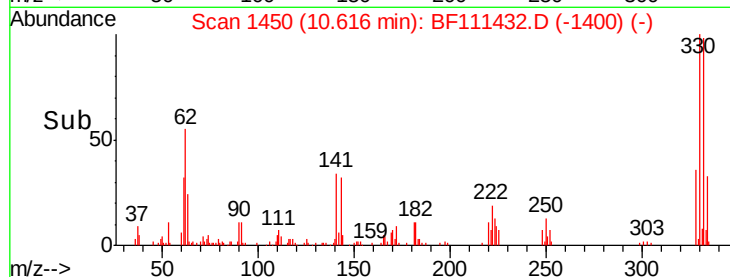
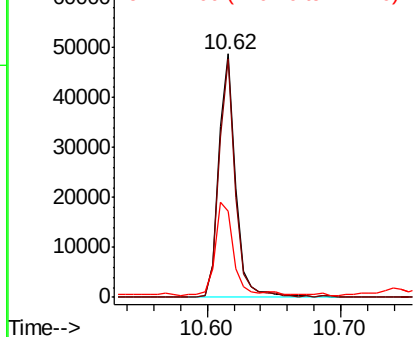
#42
 2,4,6-Tribromophenol
 Concen: 17.094 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111432.D
 Acq: 14 Dec 2018 21:25

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-121218-B

Tgt Ion: 330 Resp: 43664
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.0 114.0
 141 40.1 31.0 46.6

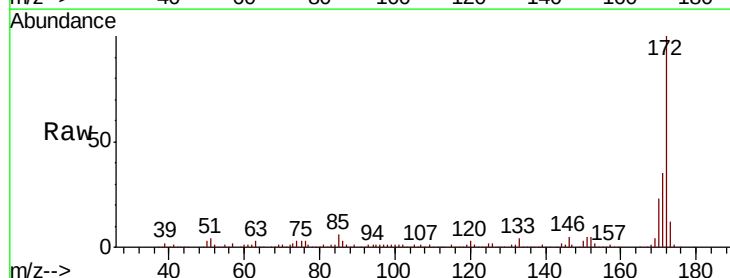


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

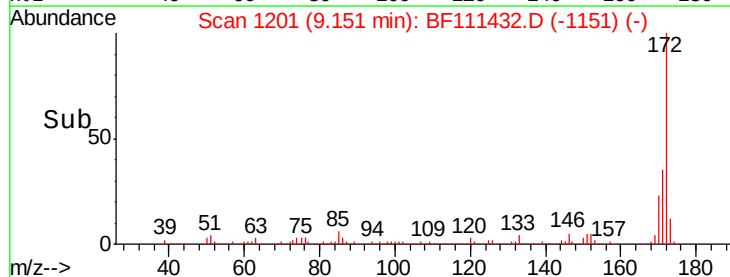
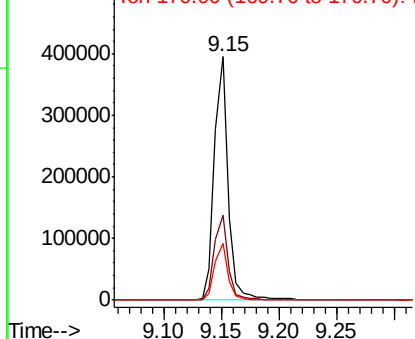


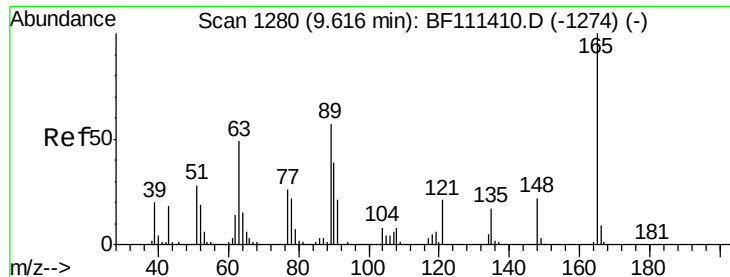
#45
 2-Fluorobiphenyl
 Concen: 17.830 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111432.D
 Acq: 14 Dec 2018 21:25

Tgt Ion: 172 Resp: 329170
 Ion Ratio Lower Upper
 172 100
 171 34.7 33.0 49.4
 170 23.2 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





#51

2,6-Dinitrotoluene

Concen: 8.348 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.21 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

Instrument :

BNA_G

ClientSampleId :

SU-04-121218-B

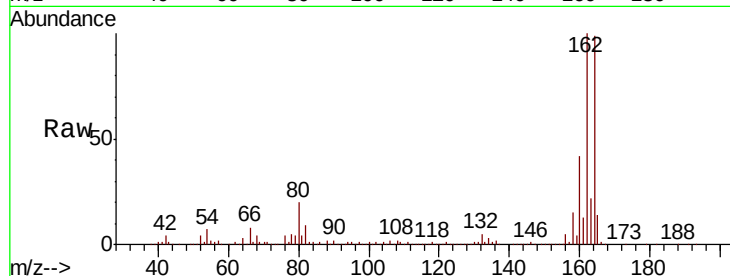
Tgt Ion:165 Resp: 38588

Ion Ratio Lower Upper

165 100

63 1.8 40.5 60.7#

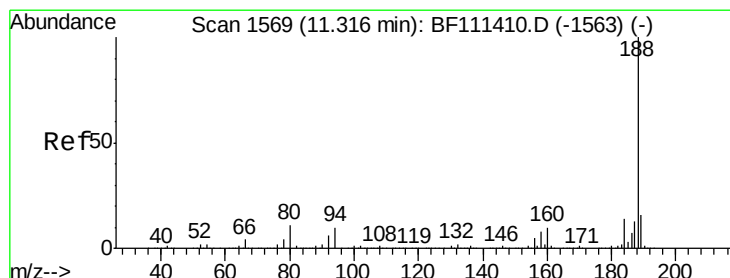
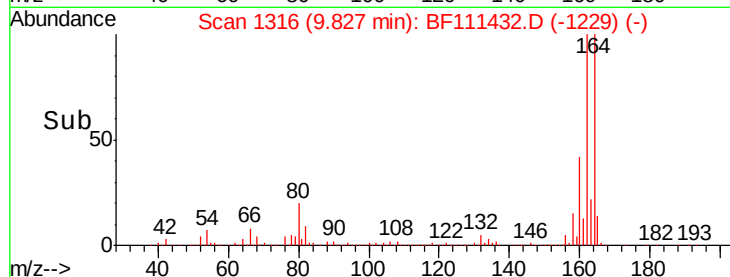
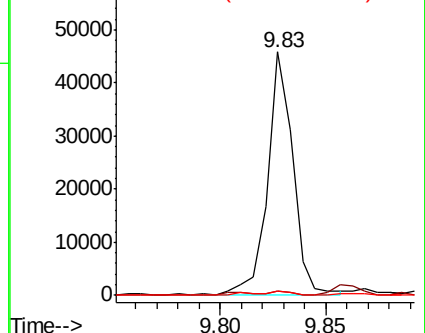
89 1.6 40.0 60.0#



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

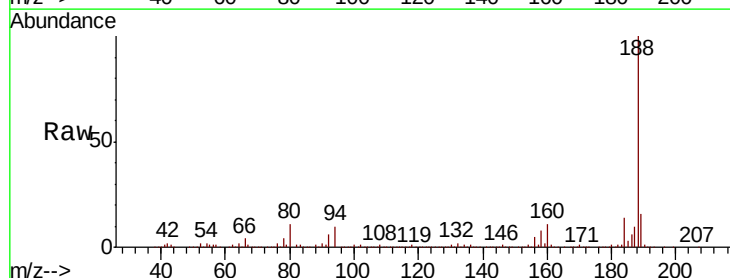
Tgt Ion:188 Resp: 402211

Ion Ratio Lower Upper

188 100

94 10.5 9.6 14.4

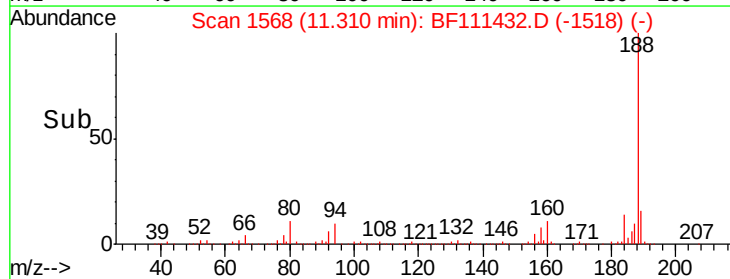
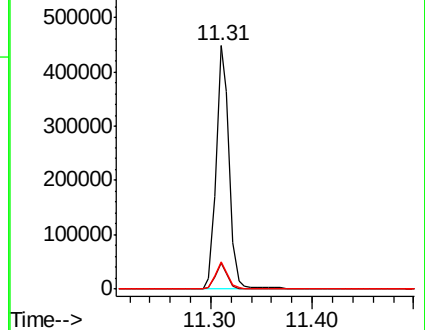
80 11.1 9.8 14.6

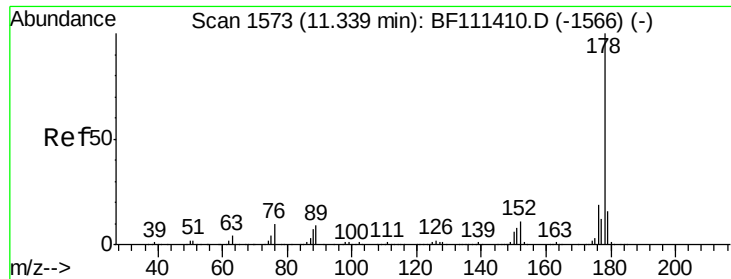


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

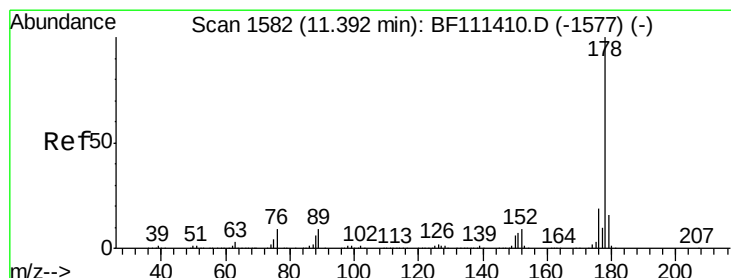
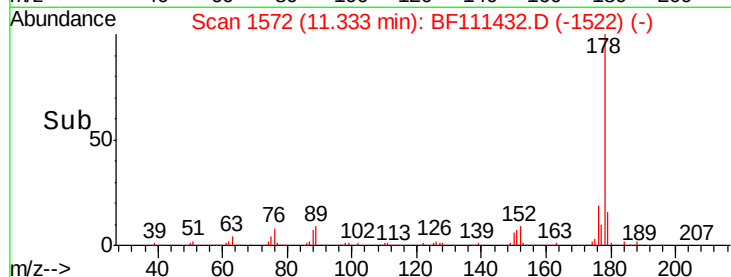
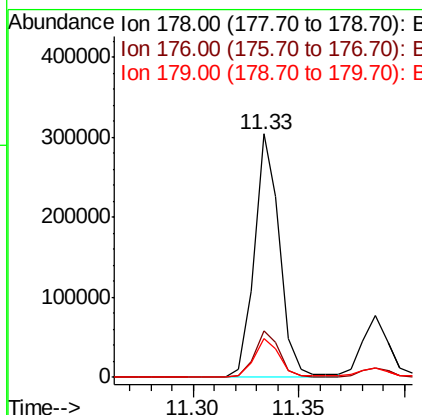
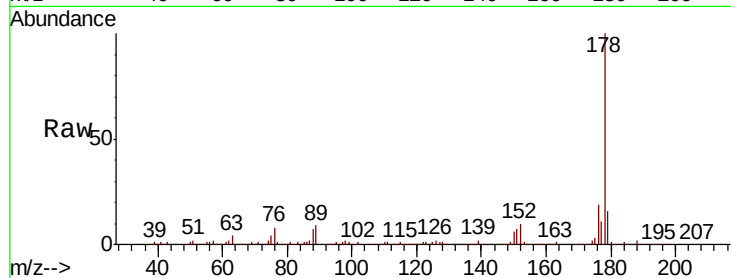




#71
Phenanthrene
Concen: 12.256 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

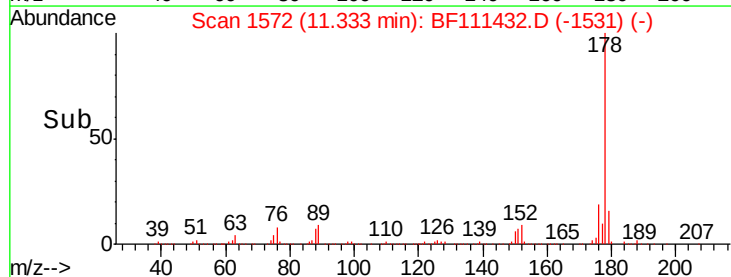
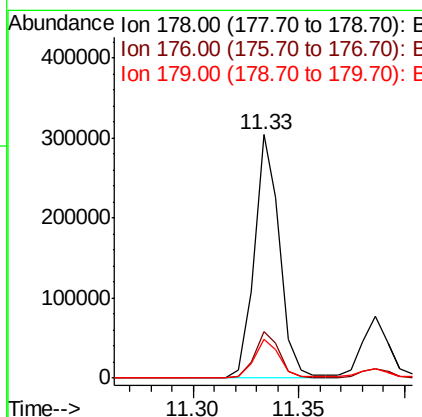
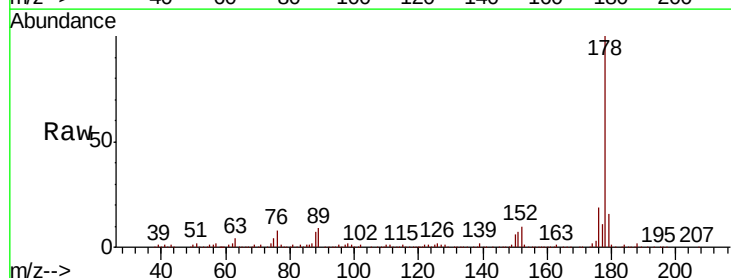
Instrument :
BNA_G
ClientSampleId :
SU-04-121218-B

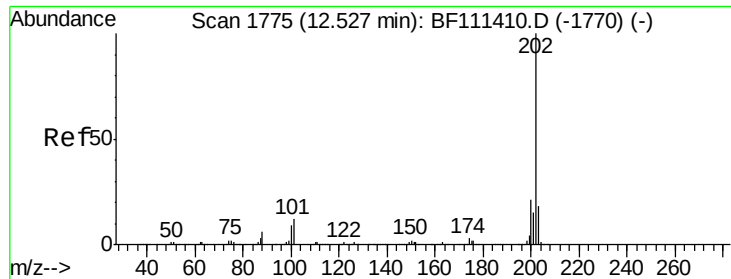
Tgt Ion:178 Resp: 254003
Ion Ratio Lower Upper
178 100
176 18.9 18.1 27.1
179 15.8 14.0 21.0



#72
Anthracene
Concen: 11.984 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.06 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Tgt Ion:178 Resp: 254003
Ion Ratio Lower Upper
178 100
176 18.9 17.2 25.8
179 15.8 13.8 20.8





#75

Fluoranthene

Concen: 19.097 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

Instrument :

BNA_G

ClientSampleId :

SU-04-121218-B

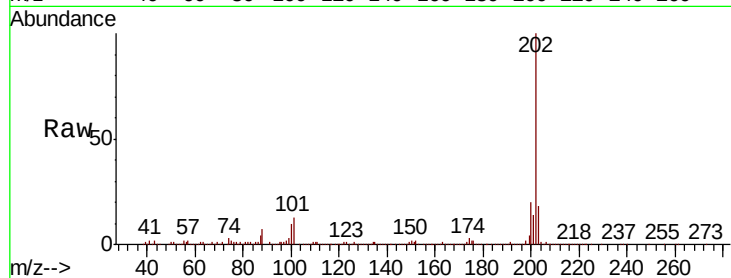
Tgt Ion:202 Resp: 387195

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.8

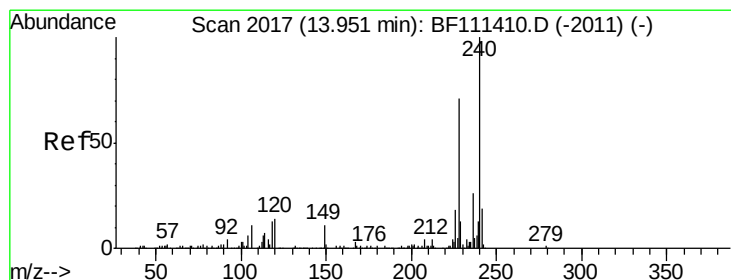
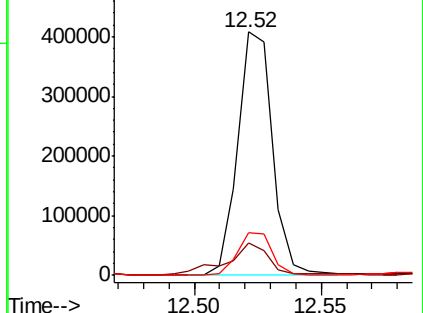
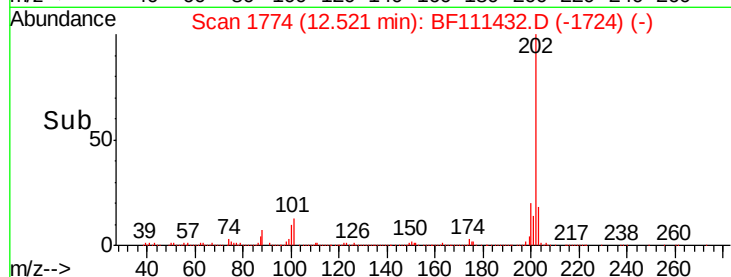
203 17.7 0.0 38.6



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: BF111432.D

Acq: 14 Dec 2018 21:25

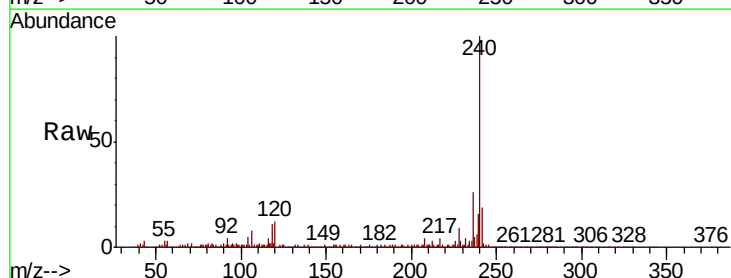
Tgt Ion:240 Resp: 353335

Ion Ratio Lower Upper

240 100

120 12.2 12.2 18.2

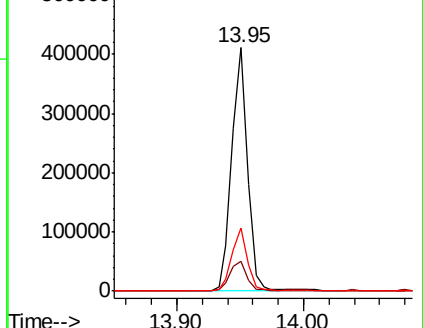
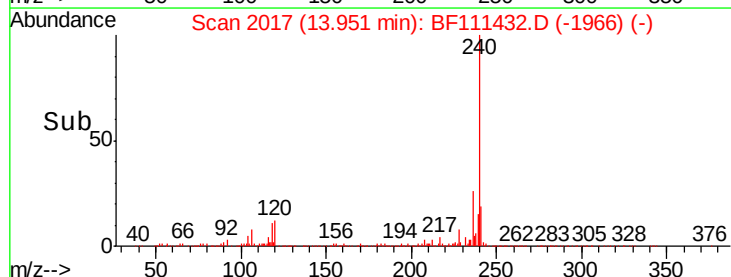
236 25.9 20.2 30.2

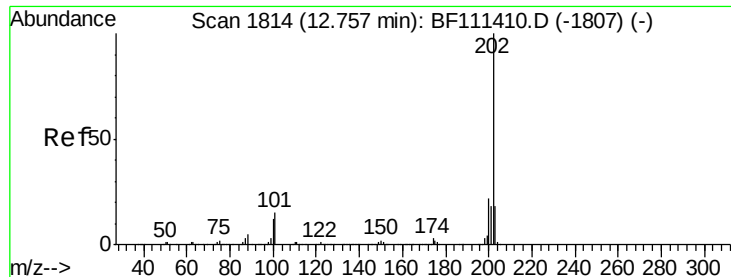


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

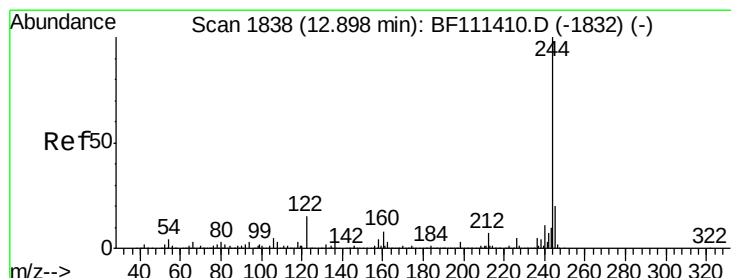
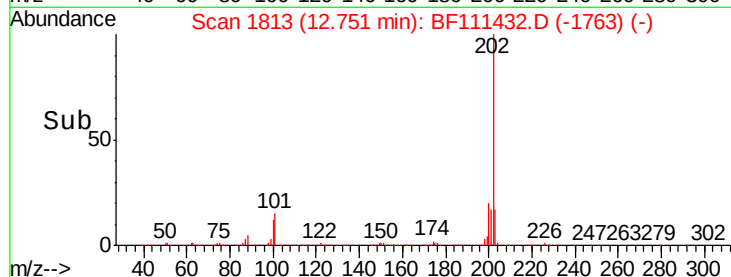
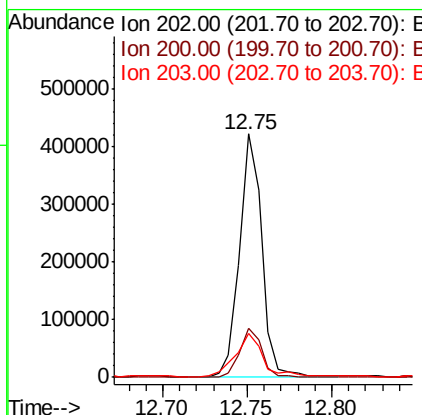
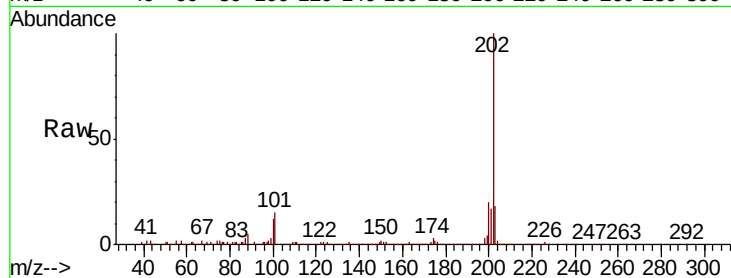




#78
 Pyrene
 Concen: 15.519 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.01 min
 Lab File: BF111432.D
 Acq: 14 Dec 2018 21:25

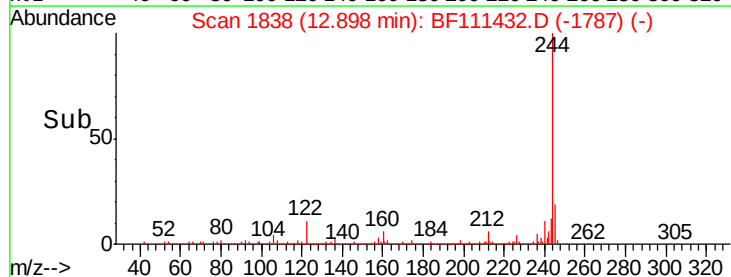
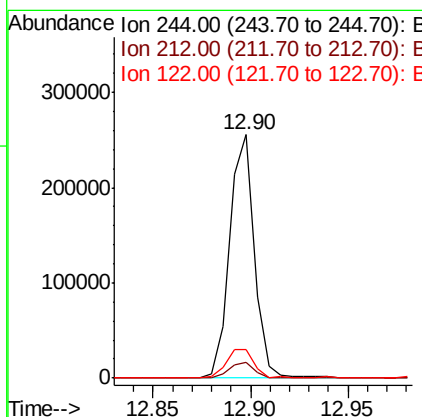
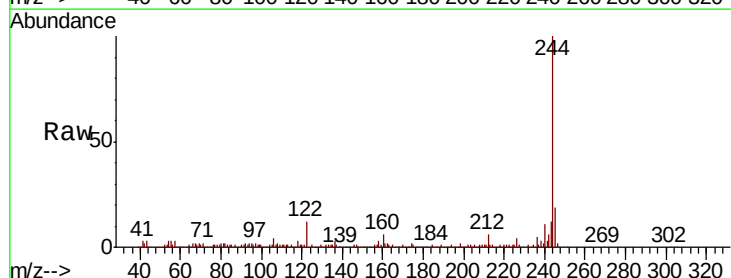
Instrument :
 BNA_G
 ClientSampleId :
 SU-04-121218-B

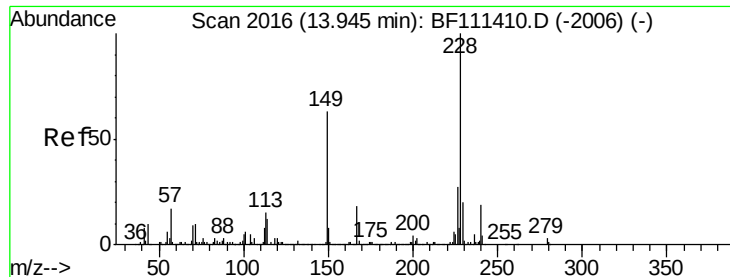
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	19.0	28.4
203	17.9	15.2	22.8



#79
 Terphenyl-d14
 Concen: 14.970 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BF111432.D
 Acq: 14 Dec 2018 21:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.7	8.5
122	11.8	13.1	19.7

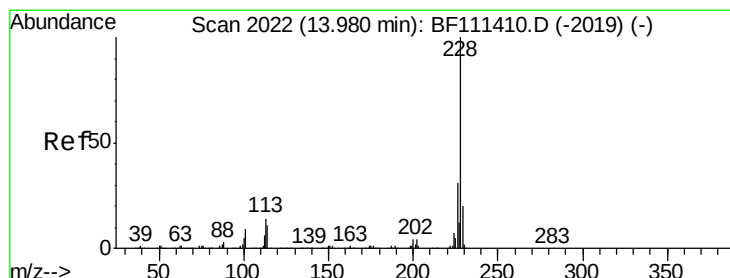
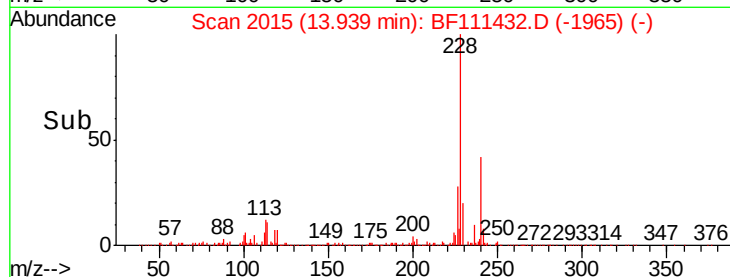
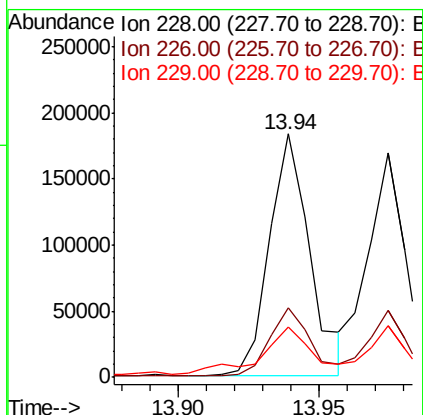
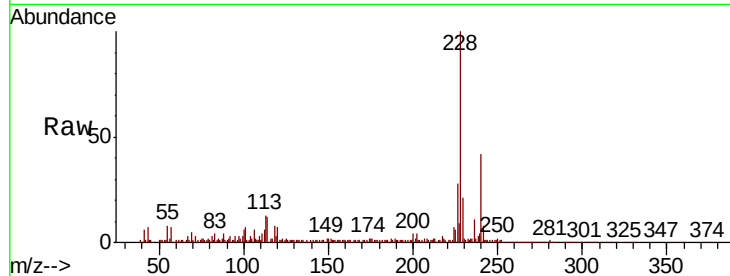




#81
Benzo(a)anthracene
Concen: 9.455 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

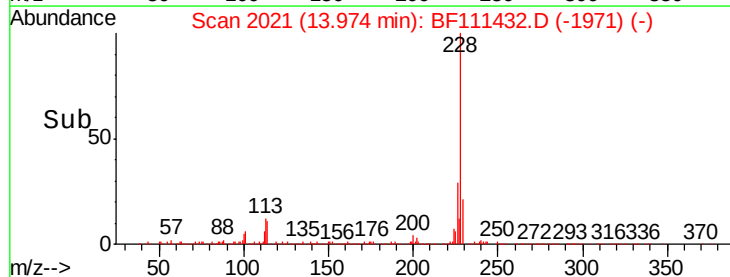
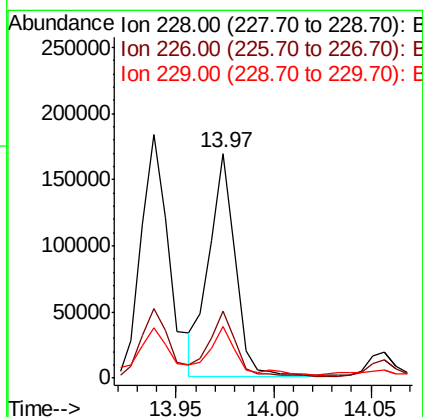
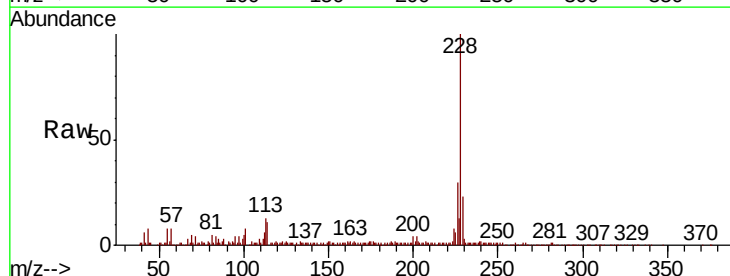
Instrument :
BNA_G
ClientSampleId :
SU-04-121218-B

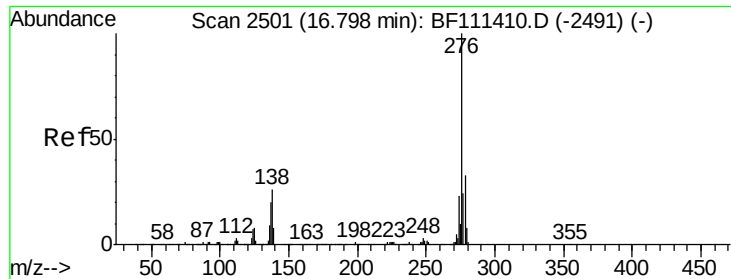
Tgt Ion: 228 Resp: 181652
Ion Ratio Lower Upper
228 100
226 28.4 22.6 34.0
229 20.9 16.3 24.5



#83
Chrysene
Concen: 7.812 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Tgt Ion: 228 Resp: 158104
Ion Ratio Lower Upper
228 100
226 29.7 25.3 37.9
229 23.1 17.2 25.8

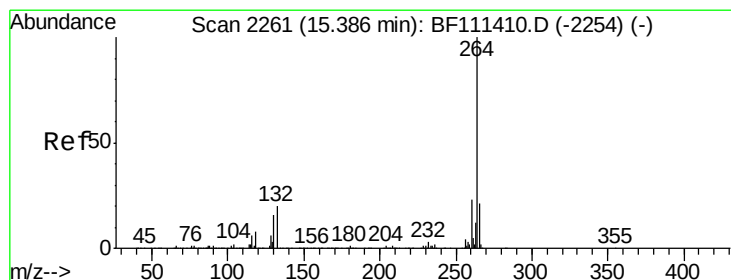
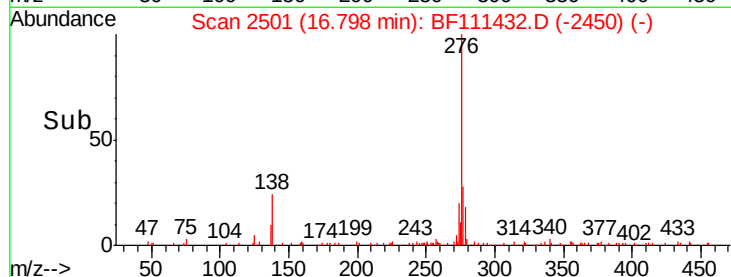
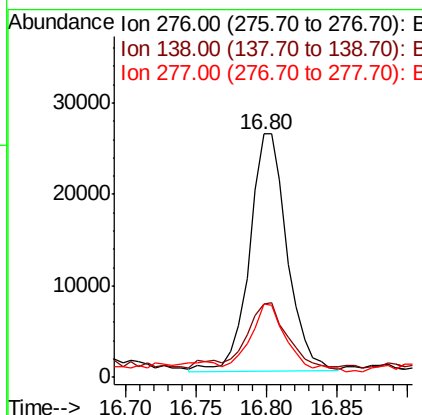
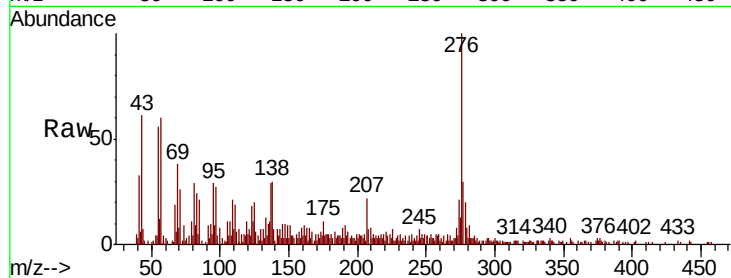




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.317 ng
 RT: 16.80 min Scan# 2501
 Delta R.T. -0.00 min
 Lab File: BF111432.D
 Acq: 14 Dec 2018 21:25

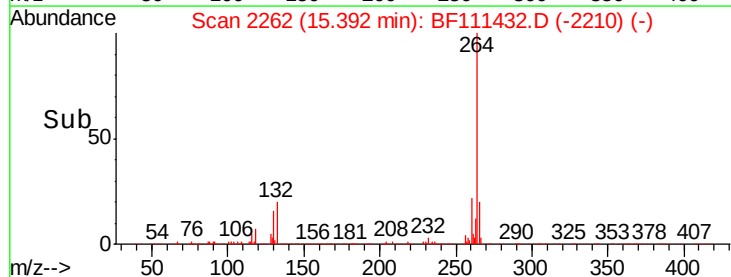
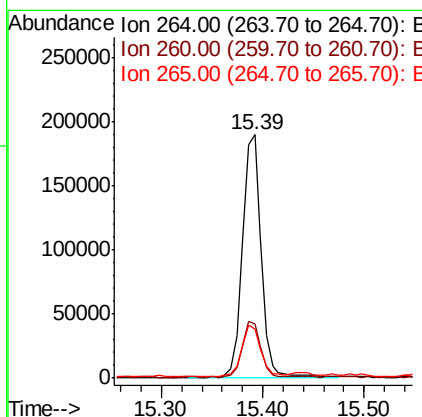
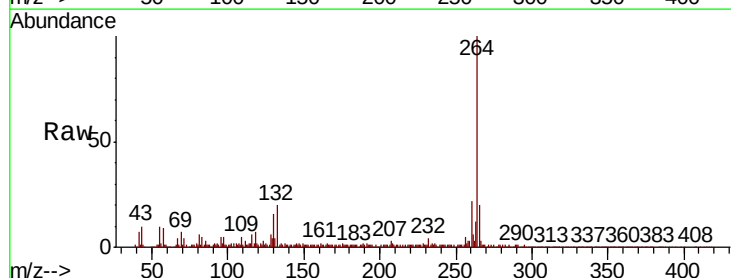
Instrument :
 BNA_G
 ClientSampleId :
 SU-04-121218-B

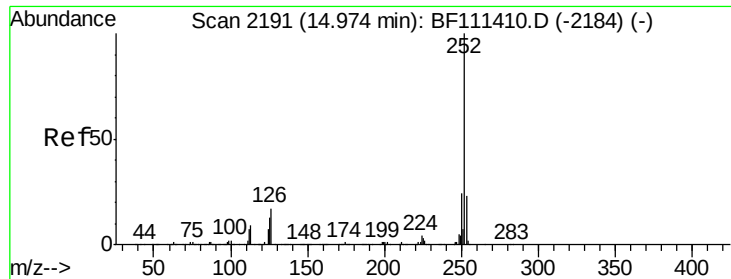
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	27.8	41.6#
277	28.2	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: BF111432.D
 Acq: 14 Dec 2018 21:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.3	27.5
265	20.4	17.7	26.5





#88

Benzo(b)fluoranthene

Concen: 13.537 ng

RT: 14.97 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

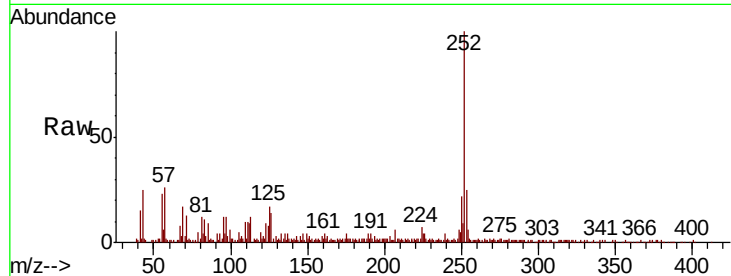
Instrument :

BNA_G

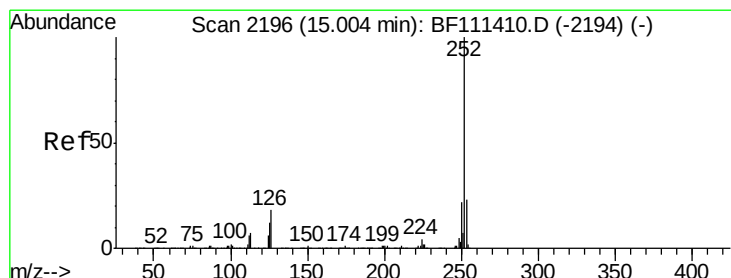
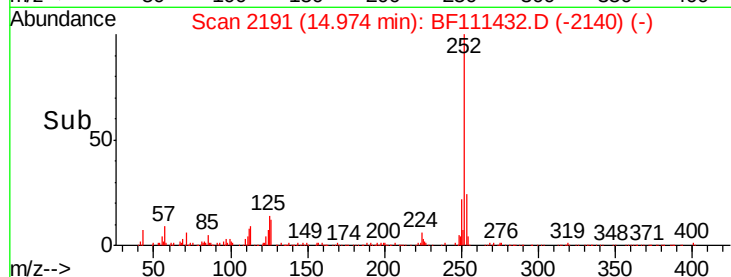
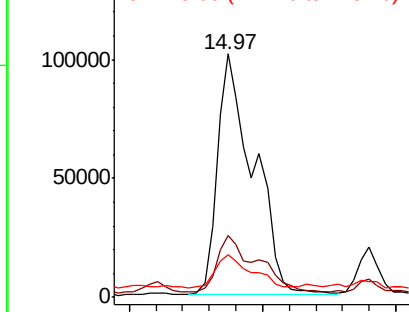
ClientSampleId :

SU-04-121218-B

Tgt Ion:	252	Resp:	191593
Ion Ratio	Lower	Upper	
252	100		
253	25.4	18.2	27.2
125	17.4	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: 14.167 ng

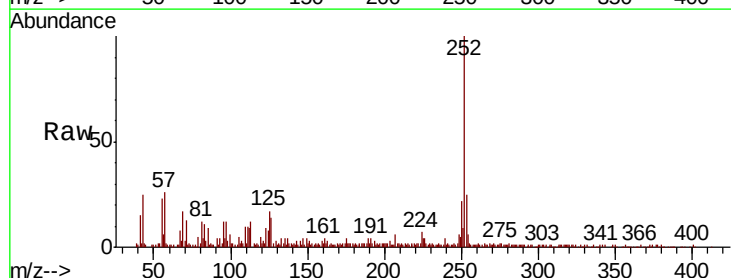
RT: 14.97 min Scan# 2191

Delta R.T. -0.03 min

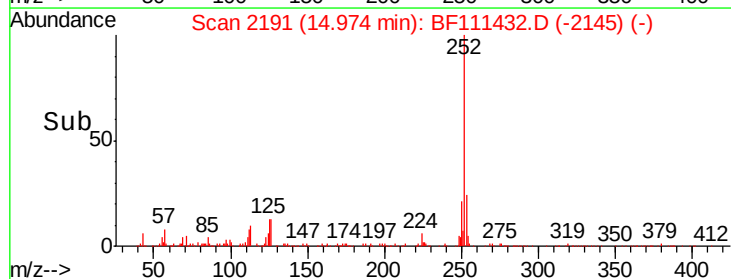
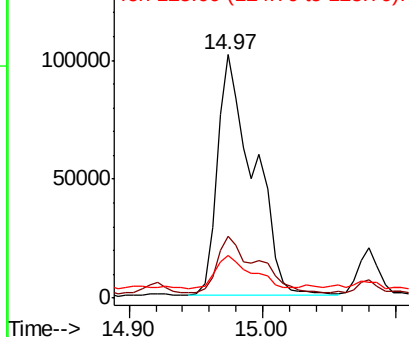
Lab File: BF111432.D

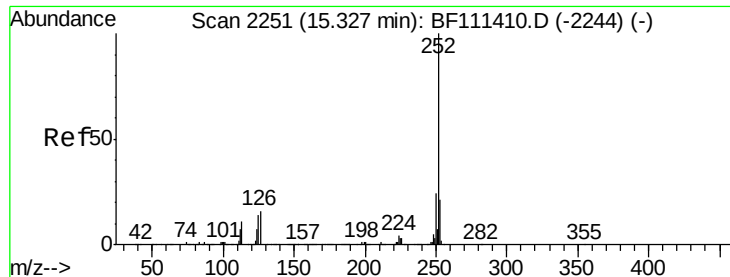
Acq: 14 Dec 2018 21:25

Tgt Ion:	252	Resp:	191593
Ion Ratio	Lower	Upper	
252	100		
253	25.4	18.1	27.1
125	17.4	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

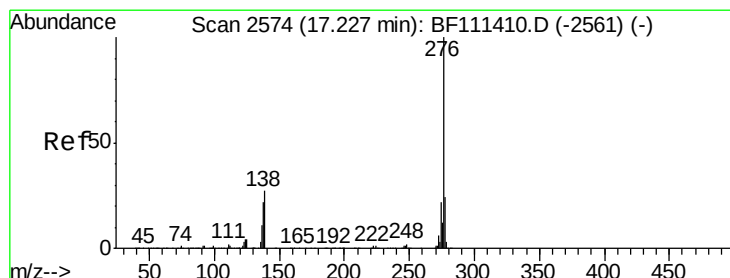
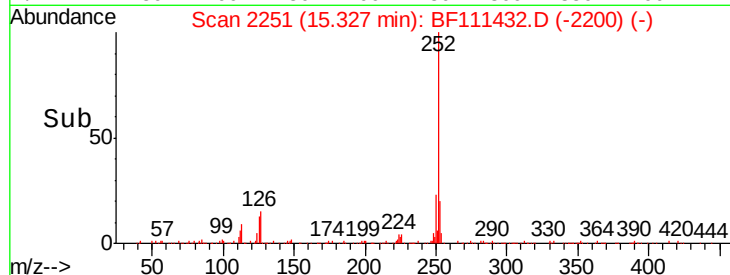
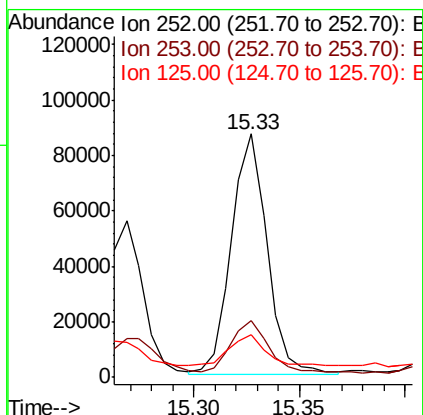
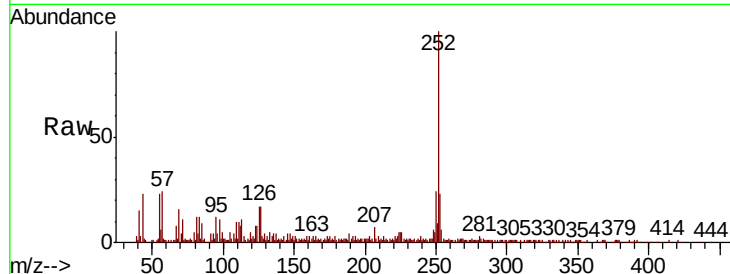




#90
Benzo(a)pyrene
Concen: 8.009 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.00 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Instrument :
BNA_G
ClientSampleId :
SU-04-121218-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	17.3	12.3	18.5



#92
Benzo(g,h,i)perylene
Concen: 4.619 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.00 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.1	19.2	28.8#
138	35.2	24.9	37.3

