

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092818\
 Data File : BF109444.D
 Acq On : 28 Sep 2018 21:37
 Operator : JU/SJ
 Sample : J5100-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-STONE-RO-227

Quant Time: Sep 29 02:14:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	112598	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	381880	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	149977	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	259298	20.00	ng	0.00
75) Chrysene-d12	13.84	240	204564	20.00	ng	0.00
86) Perylene-d12	15.25	264	156650	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	575040	84.12	ng	0.01
7) Phenol-d6	6.35	99	722258	82.80	ng	0.00
23) Nitrobenzene-d5	7.27	82	431245	66.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	128666	87.03	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	716132	72.02	ng	0.00
78) Terphenyl-d14	12.80	244	609954	73.18	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	58355	10.209	ng	# 77
25) Isophorone	7.27	82	386009	33.136	ng	# 64
49) Dimethylphthalate	9.46	163	191440	17.550	ng	99
56) 2,4-Dinitrotoluene	9.74	165	19527	7.143	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.52	198	250	6.728	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	8112	2.817	ng	# 1
70) Phenanthrene	11.24	178	48852	3.773	ng	97
74) Fluoranthene	12.42	202	93363	6.748	ng	97
77) Pyrene	12.65	202	81667	5.570	ng	100
80) Benzo(a)anthracene	13.83	228	46347	3.761	ng	97
82) Chrysene	13.87	228	39208	3.210	ng	96
85) Indeno(1,2,3-cd)pyrene	16.60	276	20001	2.021	ng	# 83
87) Benzo(b)fluoranthene	14.85	252	60182	6.992	ng	96
88) Benzo(k)fluoranthene	14.85	252	60182	7.368	ng	98
89) Benzo(a)pyrene	15.19	252	29784	3.840	ng	# 92
91) Benzo(g,h,i)perylene	17.00	276	19068	3.049	ng	95

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

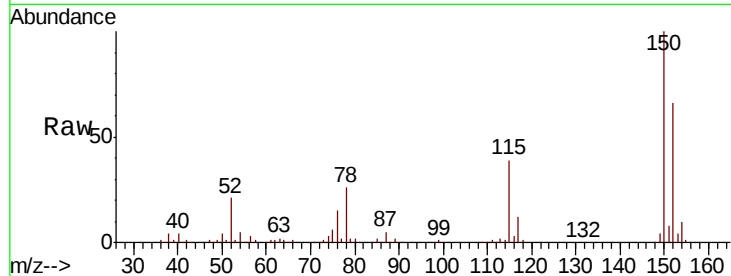
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092818\
Data File : BF109444.D
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ALS Vial : 17 Sample Multiplier: 1



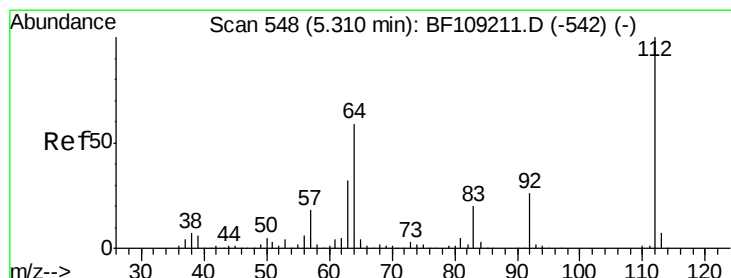
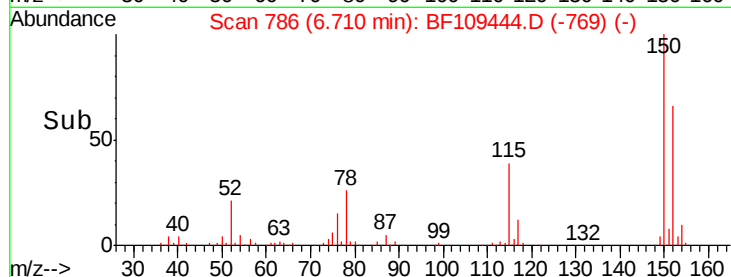
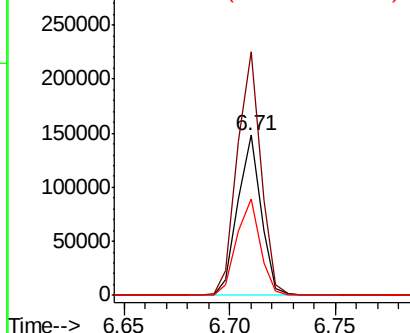
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF109444.D
 Acq: 28 Sep 2018 21:37

Instrument :
 BNA_F
 ClientSampleId :
 HS-STONE-RO-227

Tgt Ion:152 Resp: 112598
 Ion Ratio Lower Upper
 152 100
 150 152.2 124.6 186.8
 115 59.9 50.1 75.1

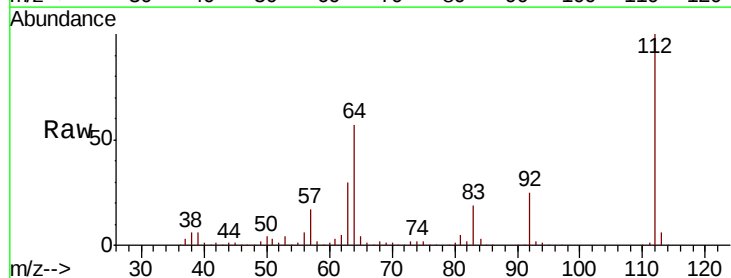


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

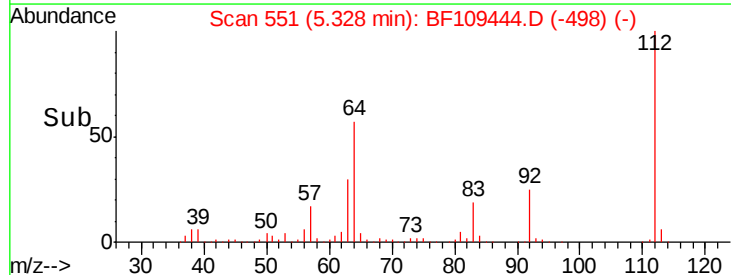
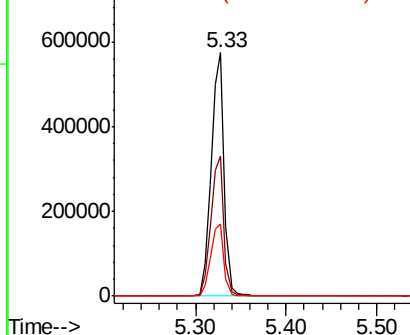


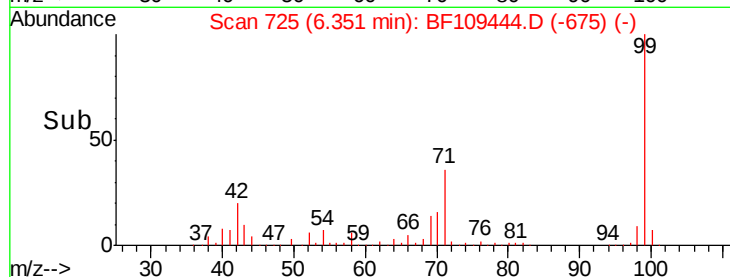
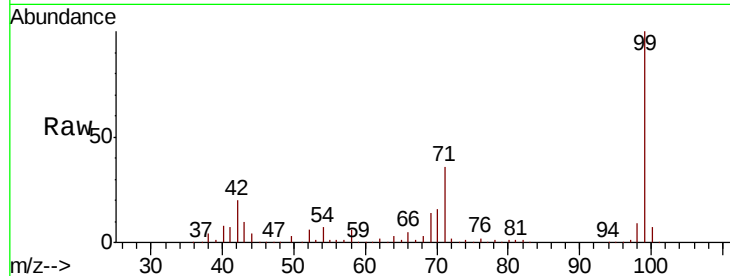
#5
 2-Fluorophenol
 Concen: 84.117 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF109444.D
 Acq: 28 Sep 2018 21:37

Tgt Ion:112 Resp: 575040
 Ion Ratio Lower Upper
 112 100
 64 57.2 47.9 71.9
 63 29.7 23.7 35.5



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: 82.797 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109444.D

Acq: 28 Sep 2018 21:37

Instrument :

BNA_F

ClientSampleId :

HS-STONE-RO-227

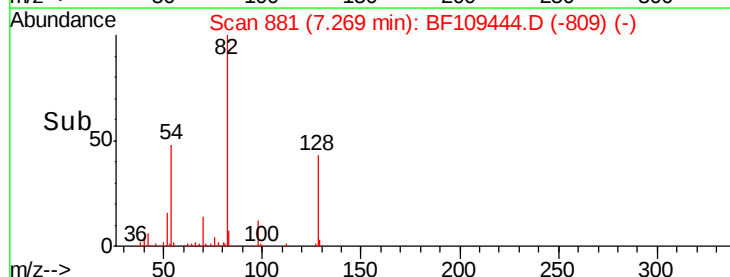
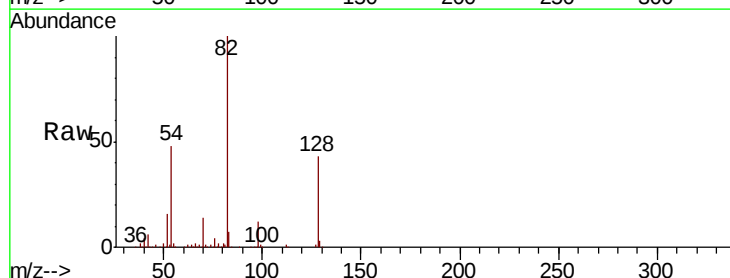
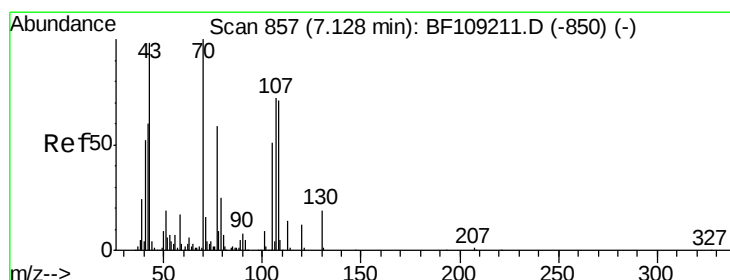
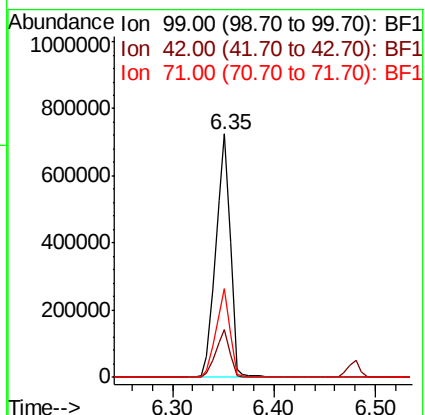
Tgt Ion: 99 Resp: 722258

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 36.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.209 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109444.D

Acq: 28 Sep 2018 21:37

Tgt Ion: 70 Resp: 58355

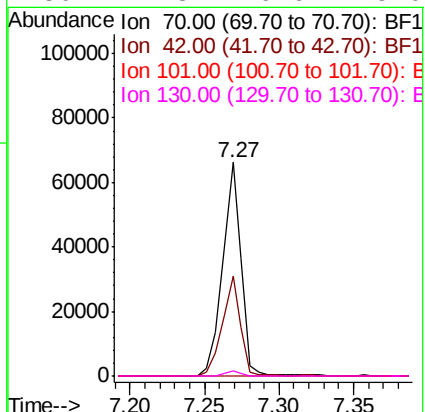
Ion Ratio Lower Upper

70 100

42 46.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BF109444.D

Acq: 28 Sep 2018 21:37

Instrument :

BNA_F

ClientSampleId :

HS-STONE-RO-227

Tgt Ion: 136 Resp: 381880

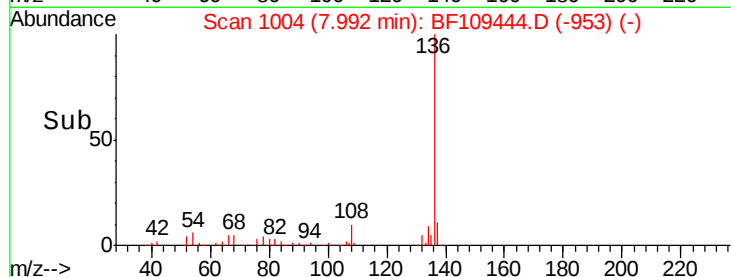
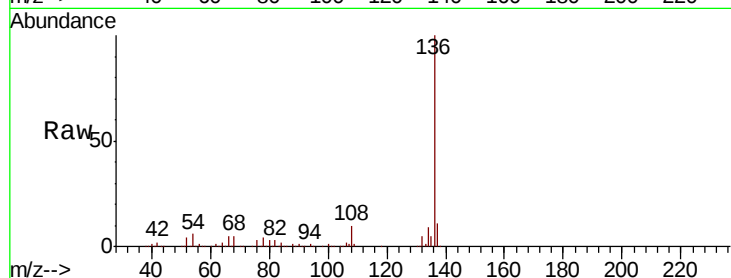
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.2 6.6 9.8#

68 5.2 5.0 7.4

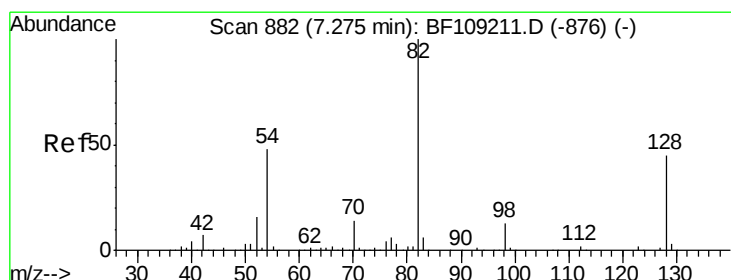
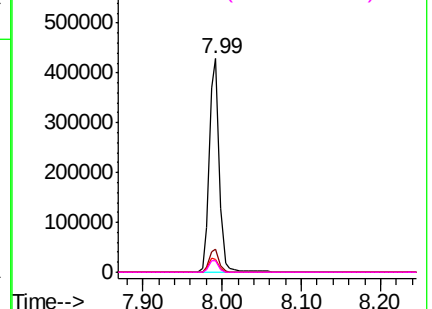


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.662 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109444.D

Acq: 28 Sep 2018 21:37

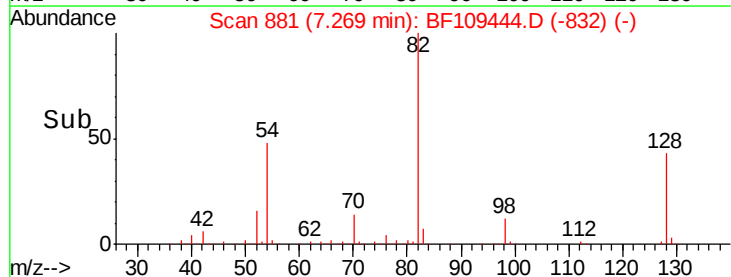
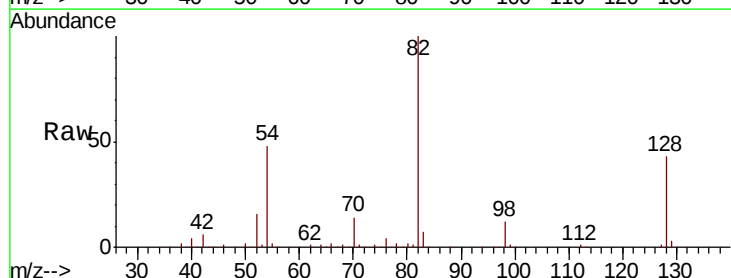
Tgt Ion: 82 Resp: 431245

Ion Ratio Lower Upper

82 100

128 43.1 36.1 54.1

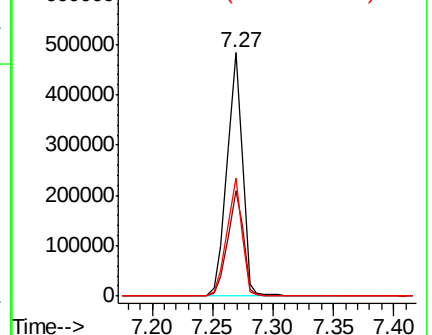
54 48.3 41.4 62.2

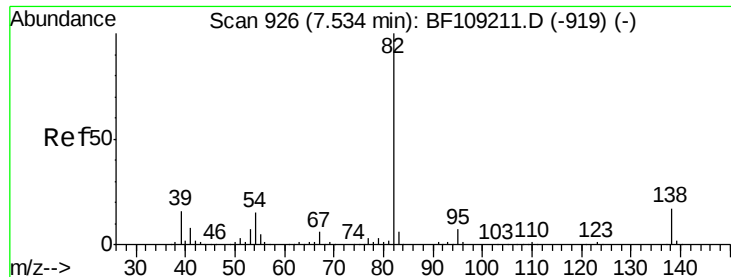


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

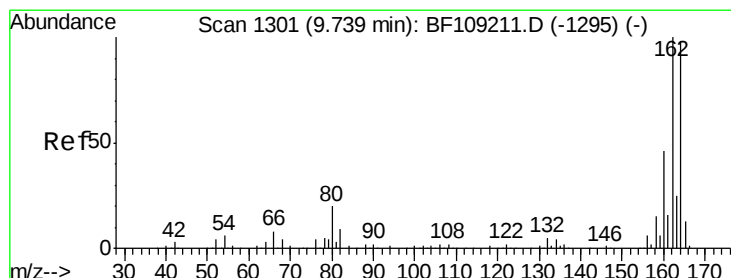
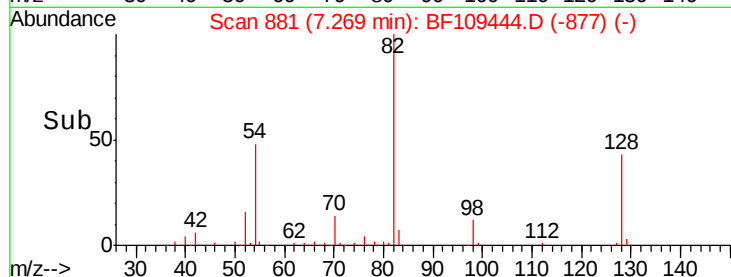
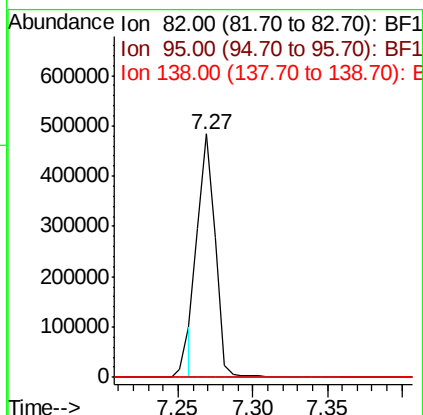
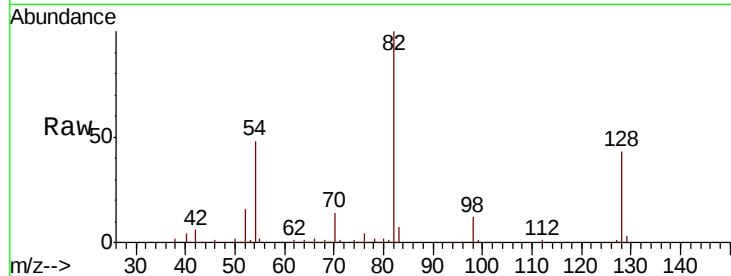




#25
Isophorone
Concen: 33.136 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109444.D
Acq: 28 Sep 2018 21:37

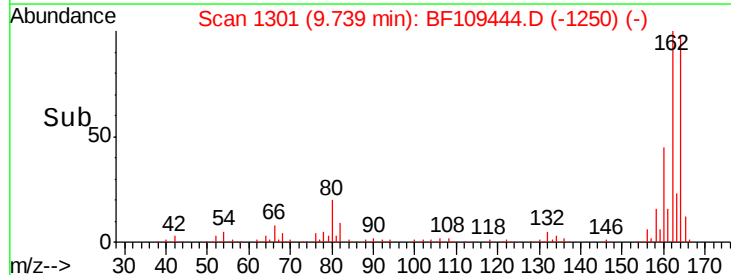
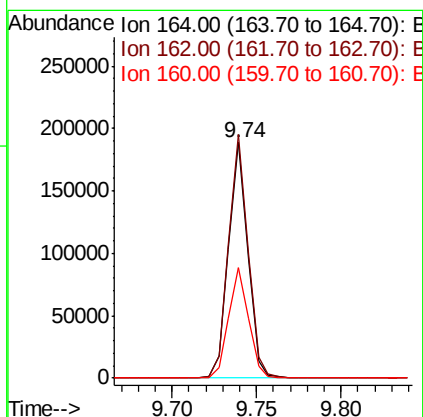
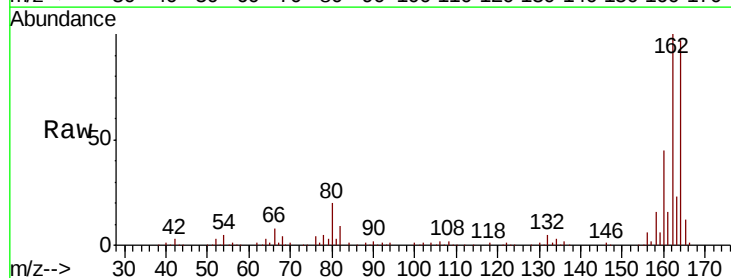
Instrument :
BNA_F
ClientSampleId :
HS-STONE-RO-227

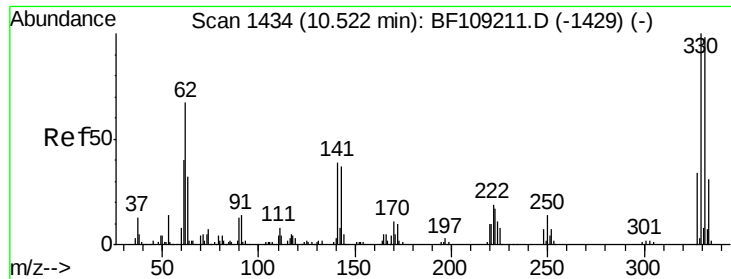
Tgt Ion: 82 Resp: 386009
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109444.D
Acq: 28 Sep 2018 21:37

Tgt Ion: 164 Resp: 149977
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 46.8 38.3 57.5

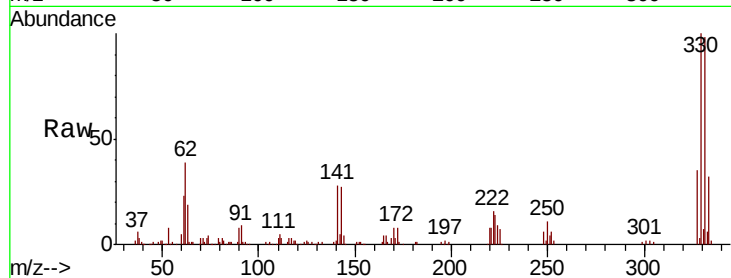




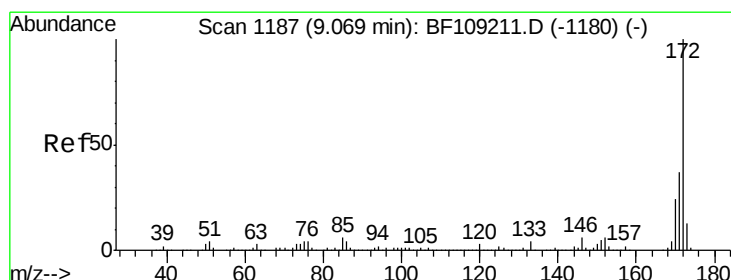
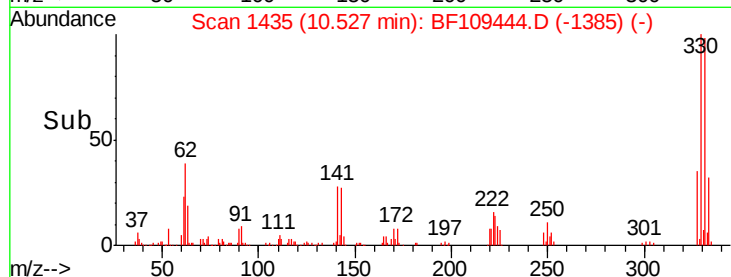
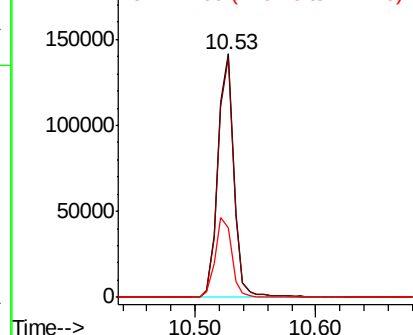
#41
 2,4,6-Tribromophenol
 Concen: 87.027 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF109444.D
 Acq: 28 Sep 2018 21:37

Instrument :
 BNA_F
 ClientSampleId :
 HS-STONE-RO-227

Tgt Ion: 330 Resp: 128666
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 34.0 29.9 44.9

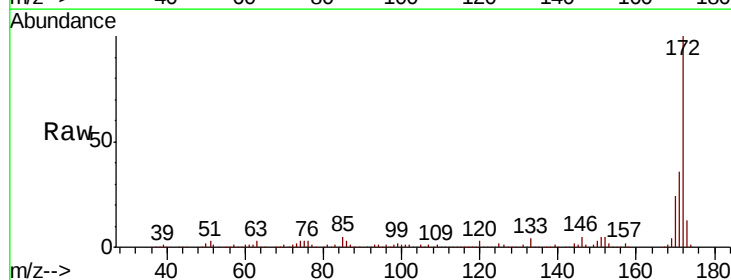


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

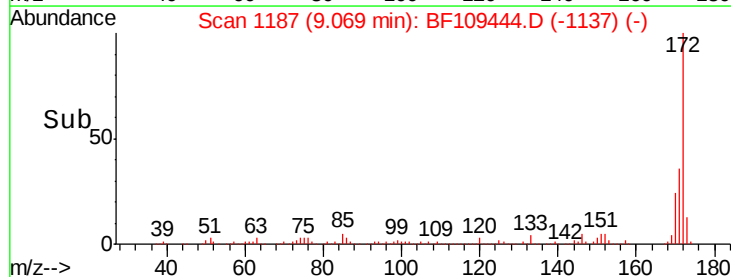
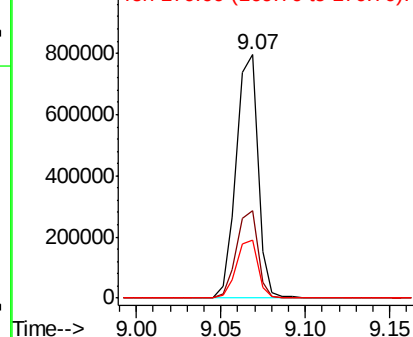


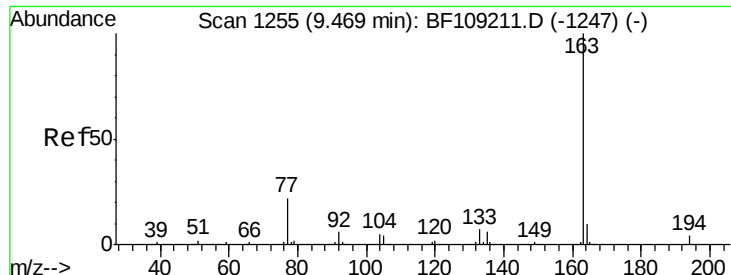
#44
 2-Fluorobiphenyl
 Concen: 72.015 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF109444.D
 Acq: 28 Sep 2018 21:37

Tgt Ion: 172 Resp: 716132
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.9 19.6 29.4



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

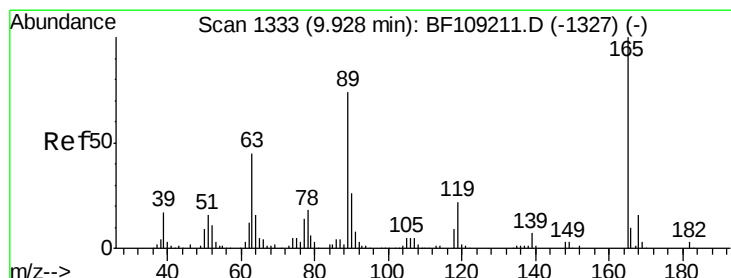
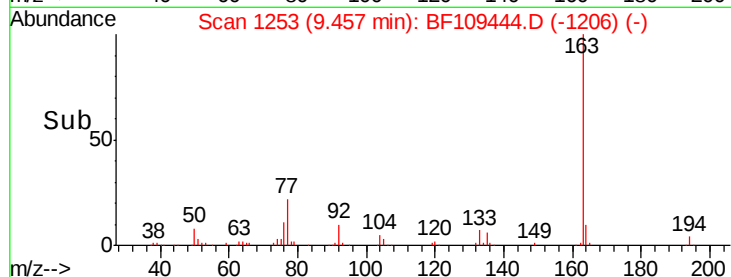
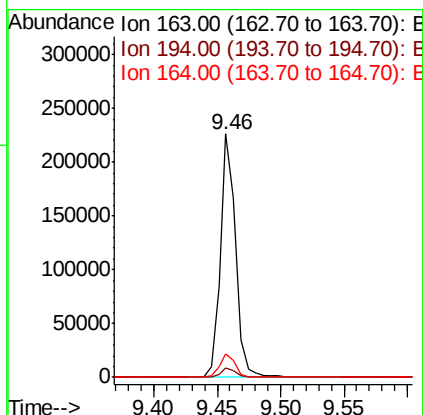
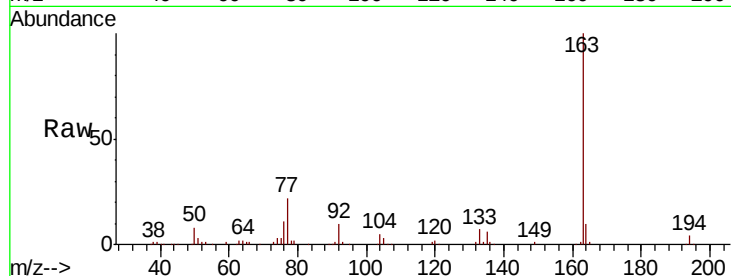




#49
Dimethylphthalate
Concen: 17.550 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109444.D
Acq: 28 Sep 2018 21:37

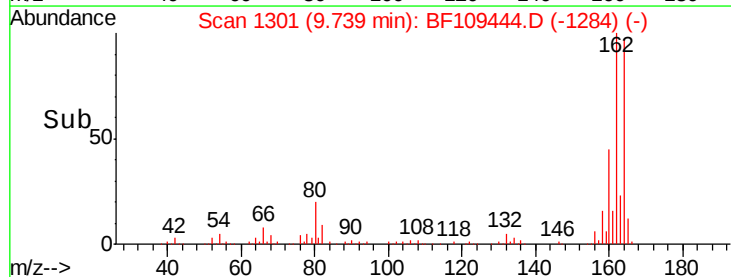
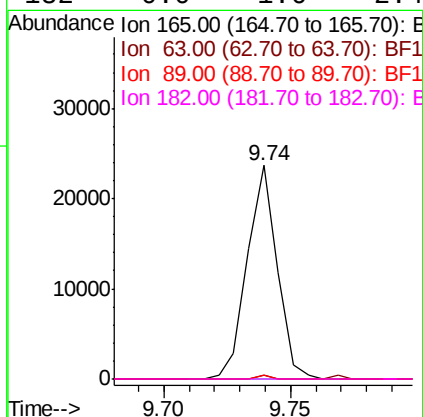
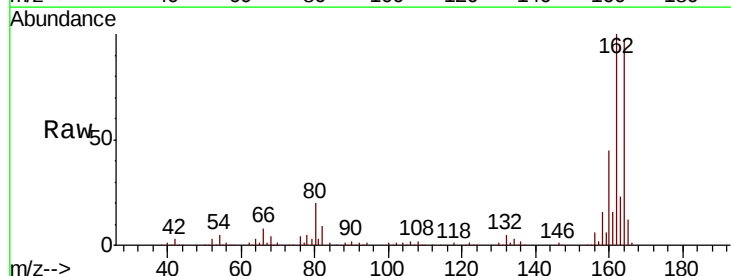
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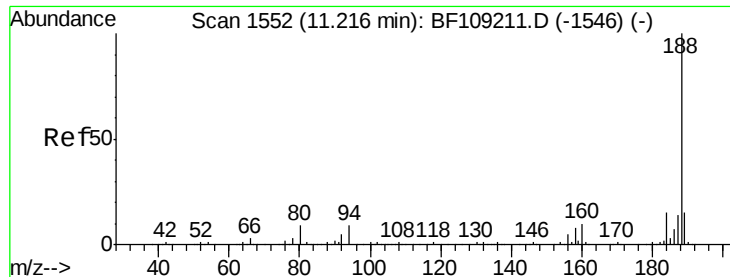
Tgt Ion:163 Resp: 191440
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.8 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 7.143 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.20 min
Lab File: BF109444.D
Acq: 28 Sep 2018 21:37

Tgt Ion:165 Resp: 19527
Ion Ratio Lower Upper
165 100
63 1.7 36.4 54.6#
89 1.8 57.8 86.6#
182 0.0 1.6 2.4#

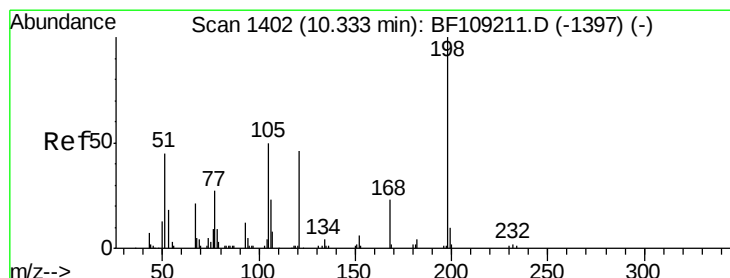
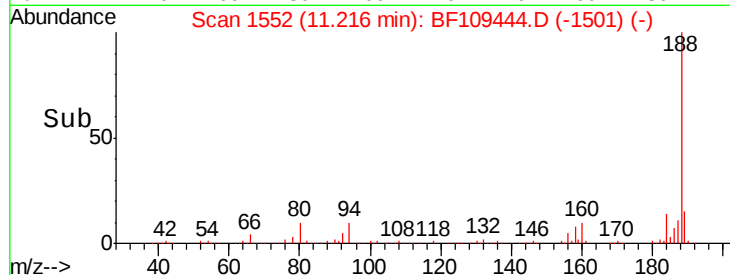
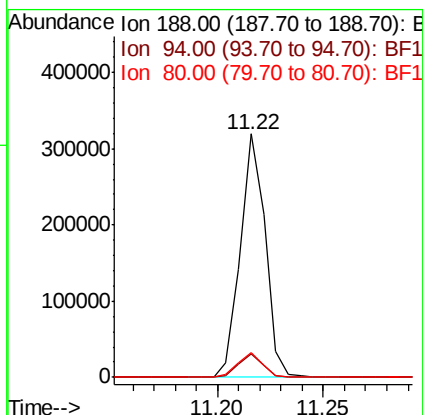
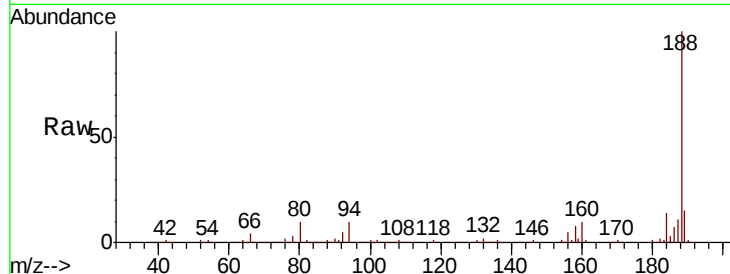




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109444.D
 Acq: 28 Sep 2018 21:37

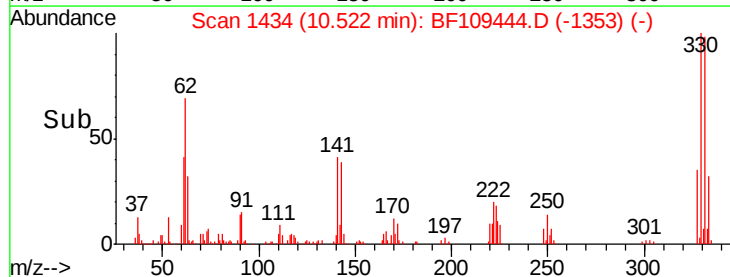
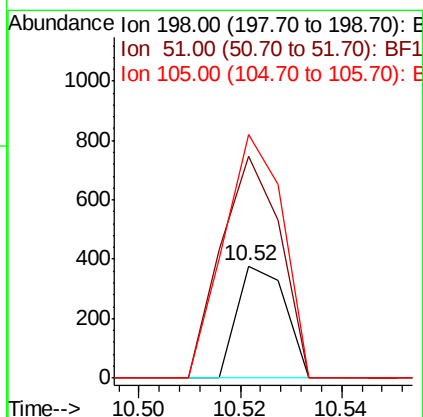
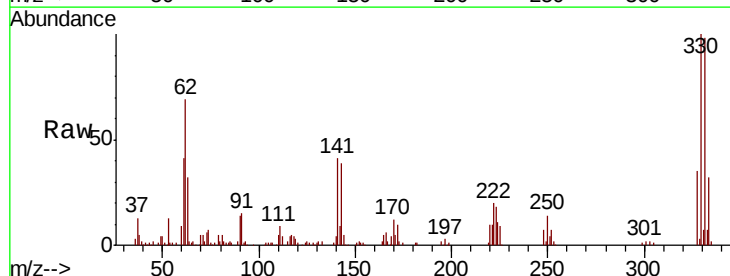
Instrument :
 BNA_F
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 HS-STONE-RO-227

Tgt Ion:188 Resp: 259298
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.2 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.728 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109444.D
 Acq: 28 Sep 2018 21:37

Tgt Ion:198 Resp: 250
 Ion Ratio Lower Upper
 198 100
 51 197.1 37.7 77.7#
 105 216.9 36.3 76.3#

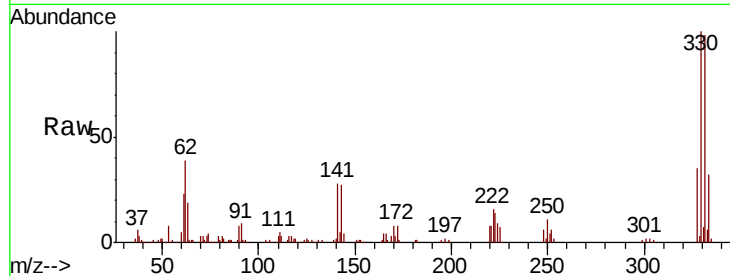




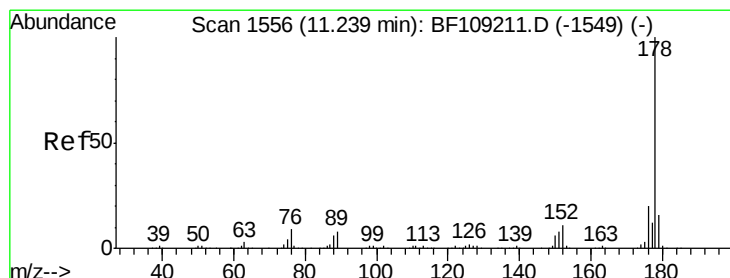
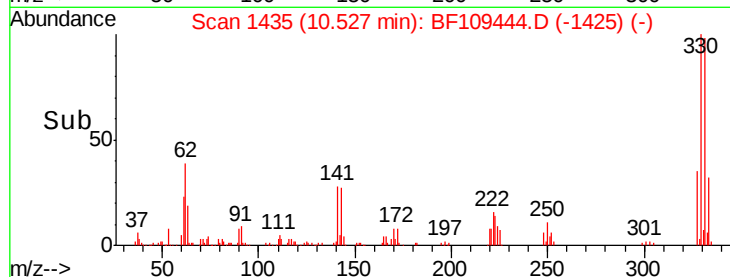
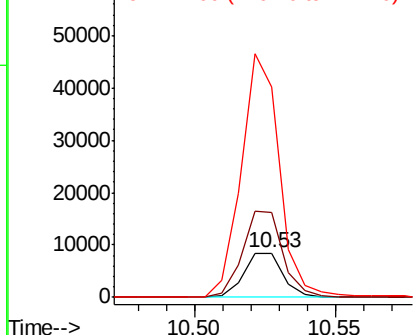
#66
 4-Bromophenyl-phenylether
 Concen: 2.817 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.24 min
 Lab File: BF109444.D
 Acq: 28 Sep 2018 21:37

Instrument :
 BNA_F
 ClientSampleId :
 HS-STONE-RO-227

Tgt Ion:248 Resp: 8112
 Ion Ratio Lower Upper
 248 100
 250 193.5 76.9 115.3#
 141 477.4 74.4 111.6#

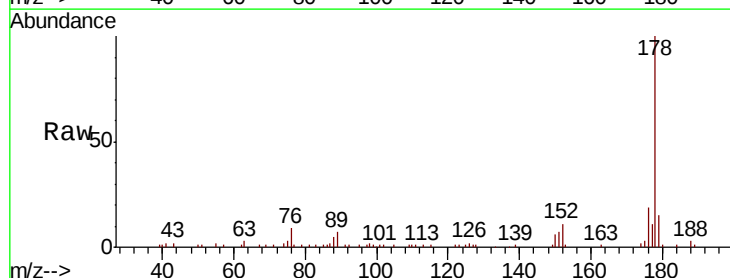


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

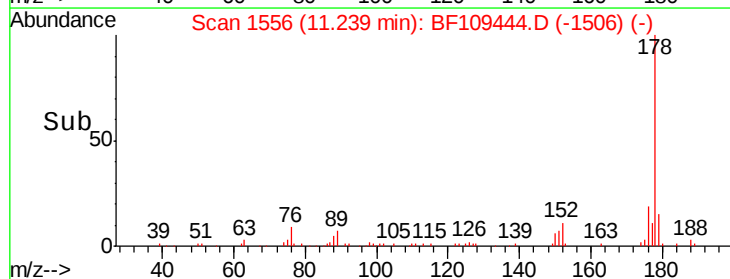
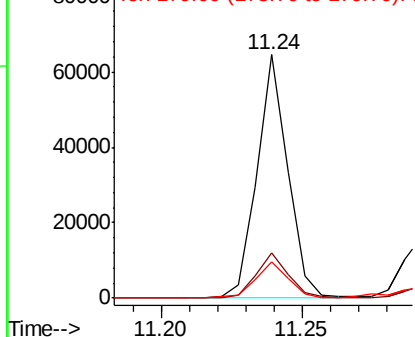


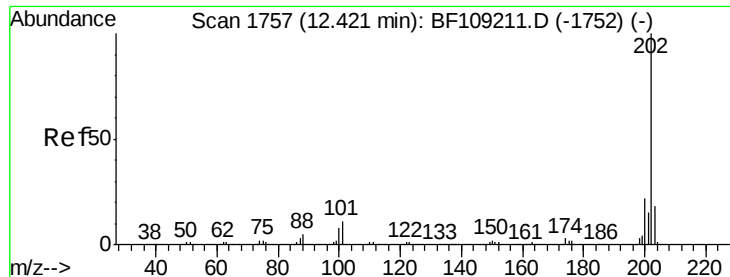
#70
 Phenanthrene
 Concen: 3.773 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF109444.D
 Acq: 28 Sep 2018 21:37

Tgt Ion:178 Resp: 48852
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 14.8 13.0 19.6



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

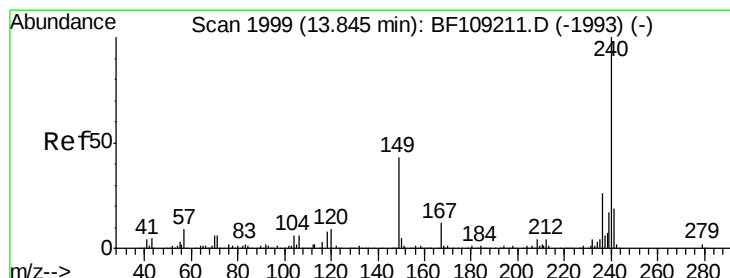
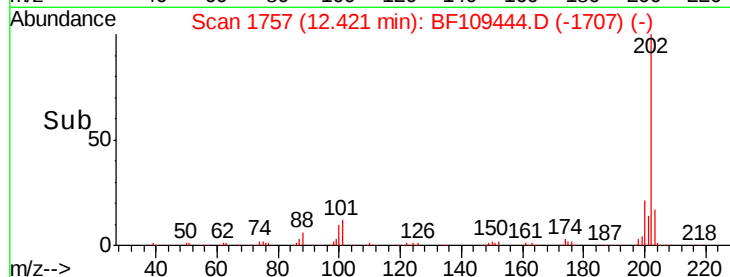
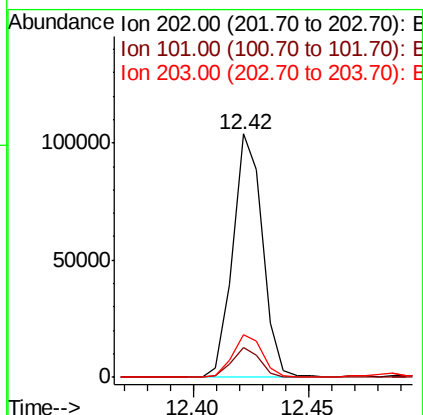
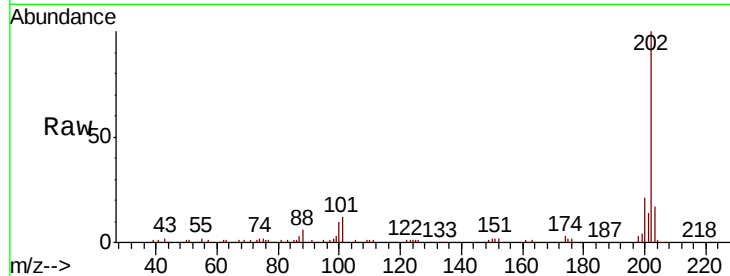




#74
 Fluoranthene
 Concen: 6.748 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BF109444.D
 Acq: 28 Sep 2018 21:37

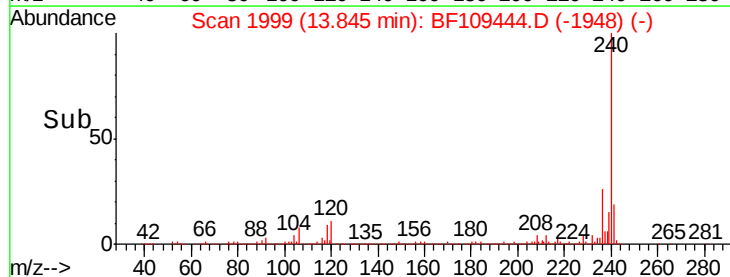
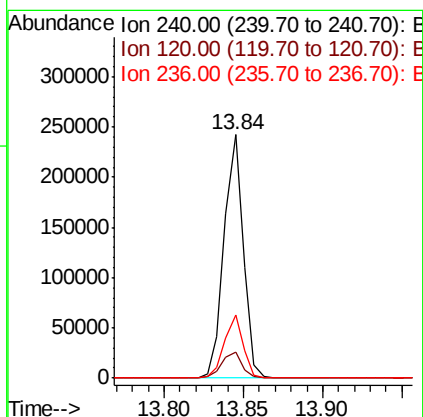
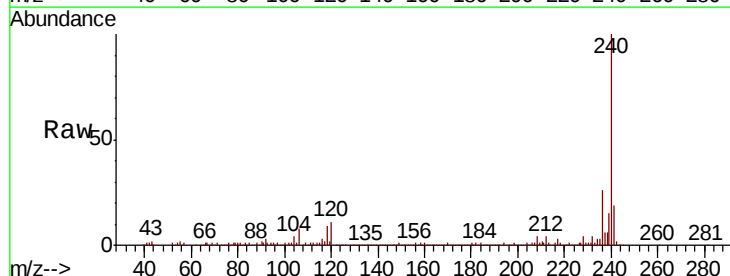
Instrument :
 BNA_F
 ClientSampleId :
 HS-STONE-RO-227

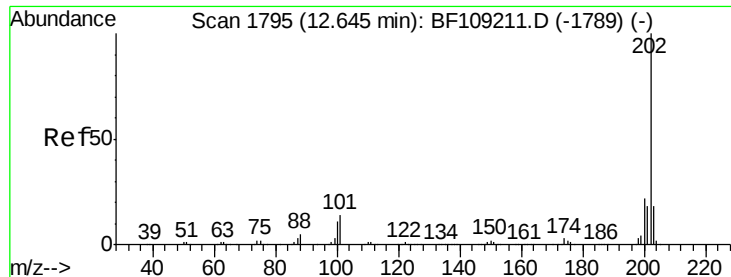
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.1
203	17.3	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. 0.00 min
 Lab File: BF109444.D
 Acq: 28 Sep 2018 21:37

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	26.1	20.7	31.1





#77

Pyrene

Concen: 5.570 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109444.D

Acq: 28 Sep 2018 21:37

Instrument :

BNA_F

ClientSampleId :

HS-STONE-RO-227

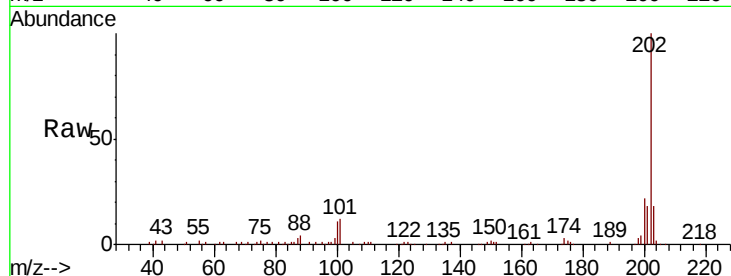
Tgt Ion:202 Resp: 81667

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

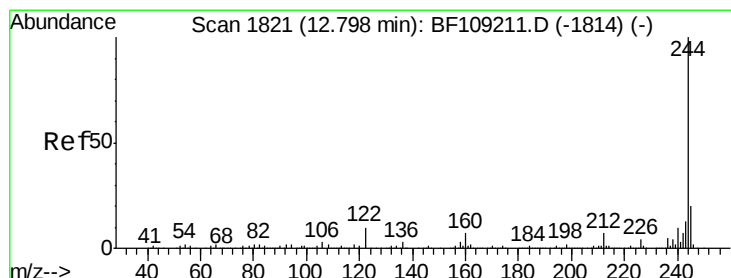
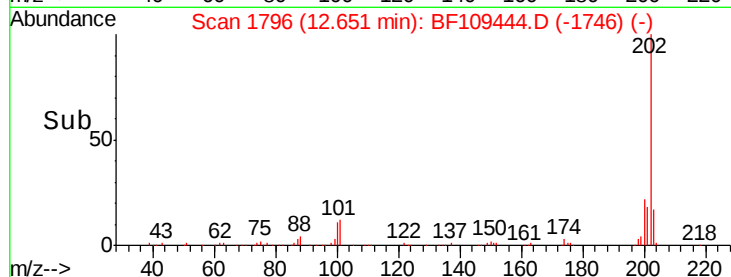
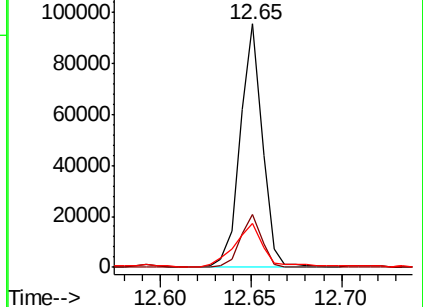
203 17.8 14.3 21.5



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



#78

Terphenyl-d14

Concen: 73.176 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109444.D

Acq: 28 Sep 2018 21:37

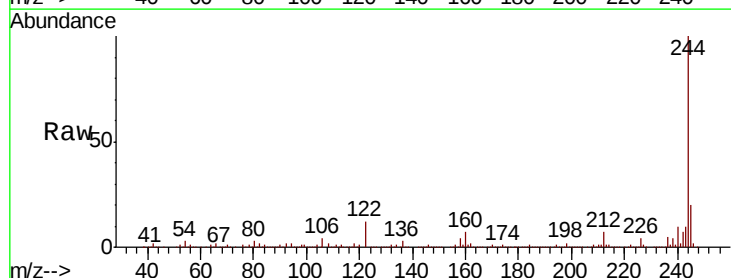
Tgt Ion:244 Resp: 609954

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

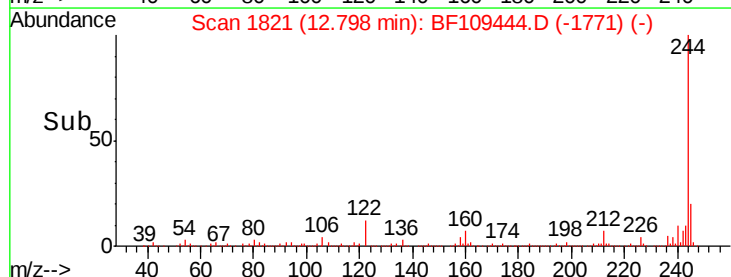
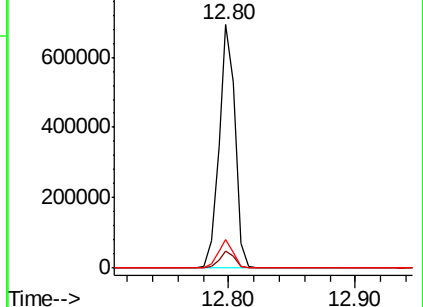
122 12.0 11.0 16.4

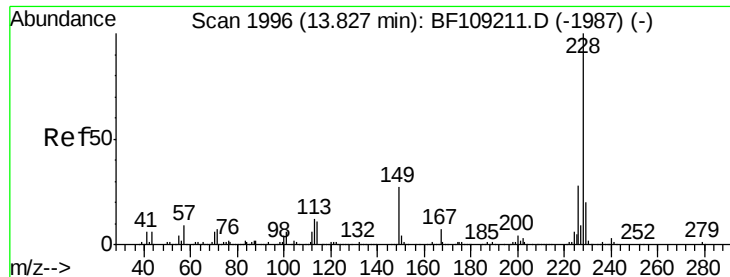


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.761 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF109444.D

Acq: 28 Sep 2018 21:37

Instrument :

BNA_F

ClientSampleId :

HS-STONE-RO-227

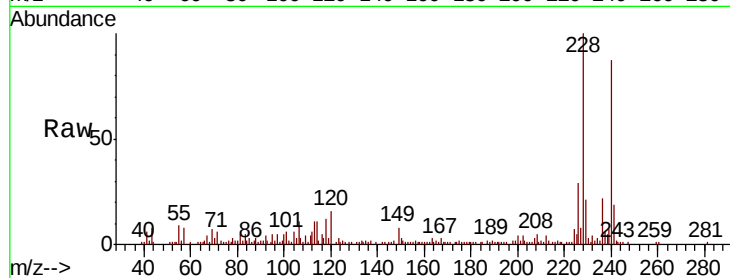
Tgt Ion:228 Resp: 46347

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

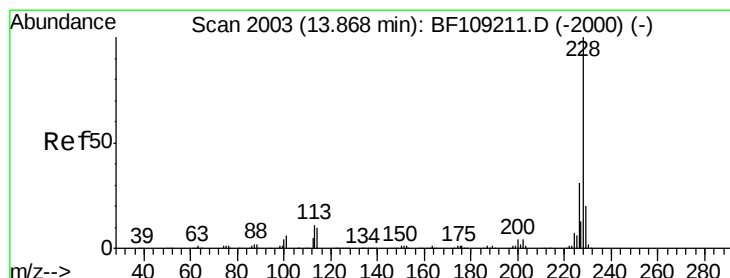
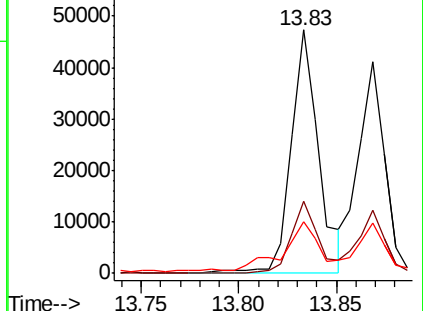
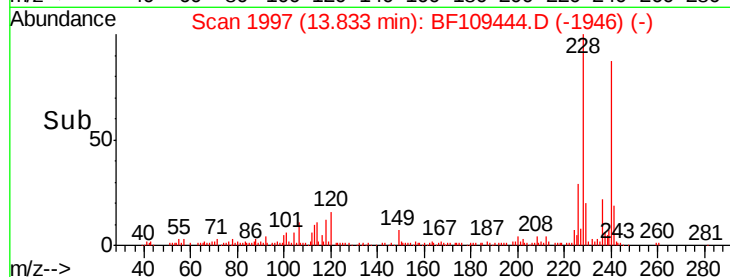
229 21.1 15.8 23.6



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



#82

Chrysene

Concen: 3.210 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF109444.D

Acq: 28 Sep 2018 21:37

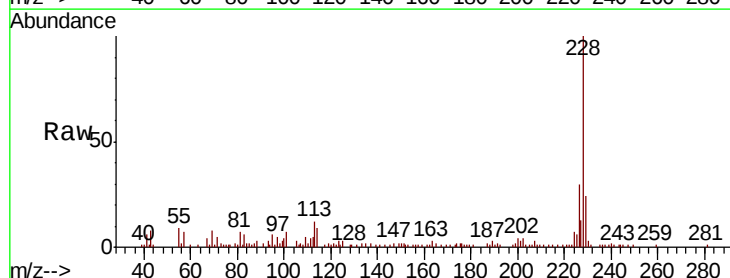
Tgt Ion:228 Resp: 39208

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

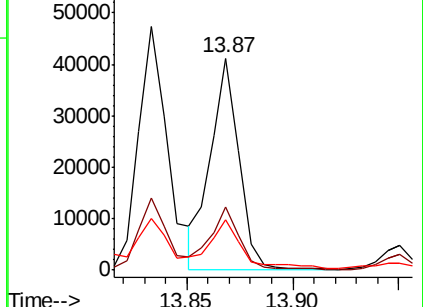
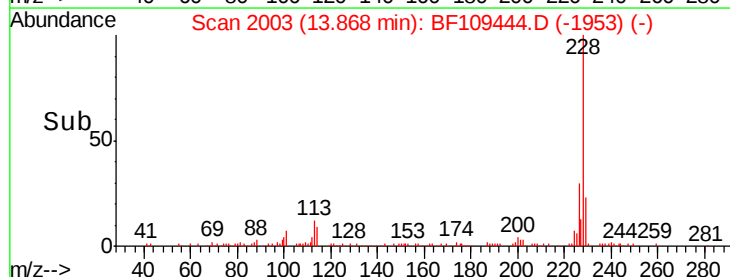
229 23.6 16.2 24.4

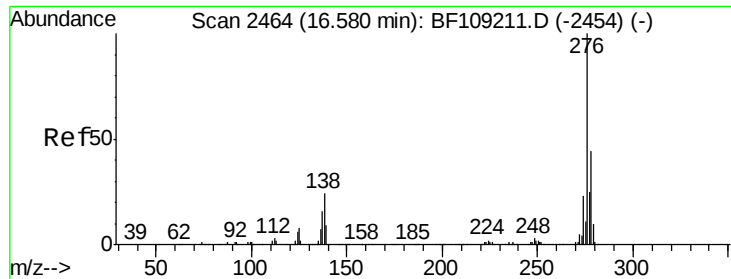


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

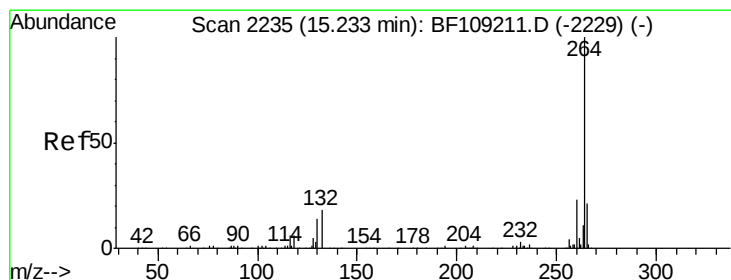
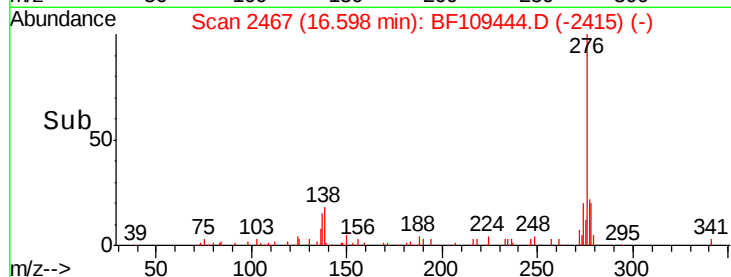
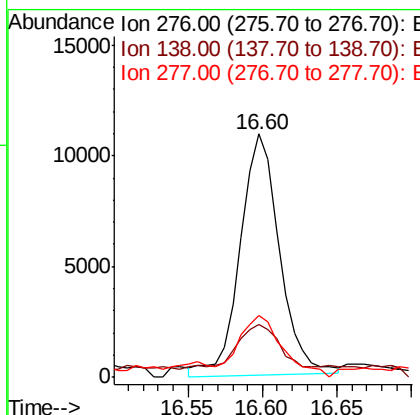
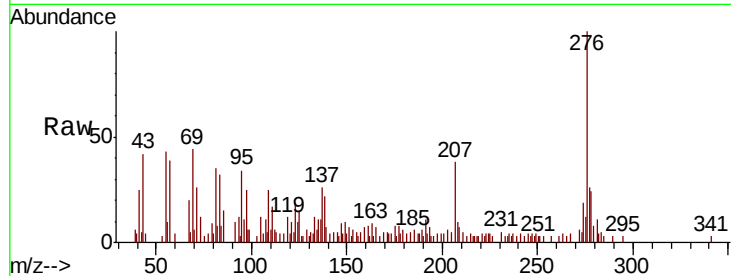




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.021 ng
 RT: 16.60 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BF109444.D
 Acq: 28 Sep 2018 21:37

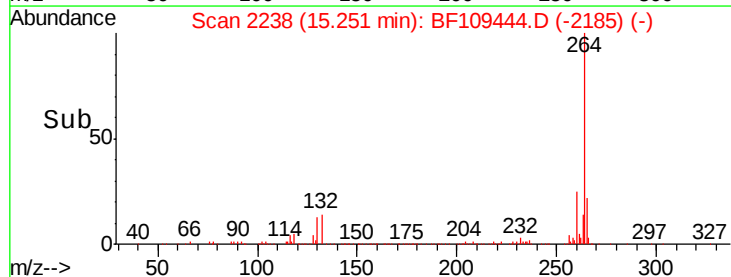
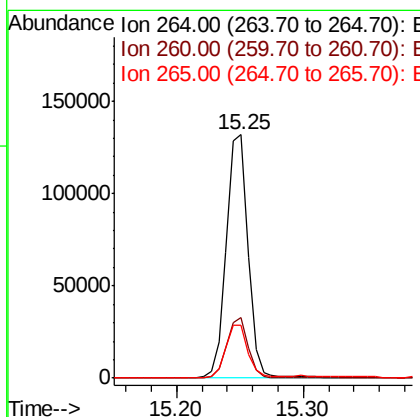
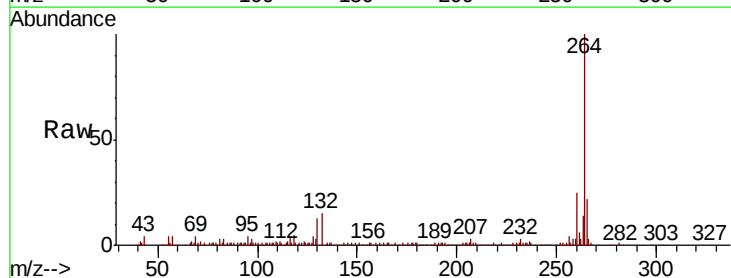
Instrument :
 BNA_F
 ClientSampleId :
 HS-STONE-RO-227

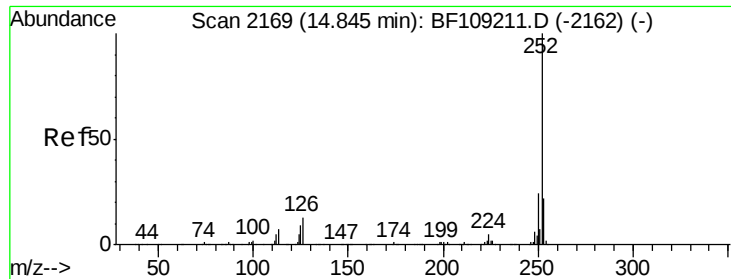
Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.1	25.0	37.6#
277	28.5	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.25 min Scan# 2238
 Delta R.T. 0.01 min
 Lab File: BF109444.D
 Acq: 28 Sep 2018 21:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.9	17.5	26.3

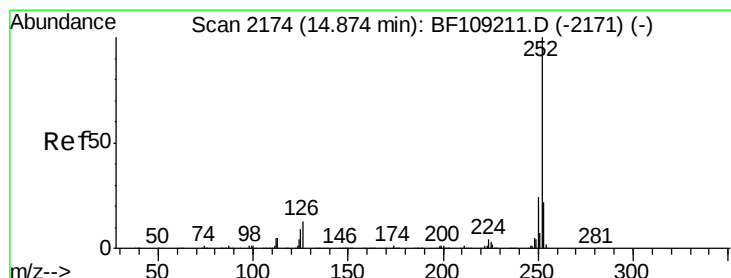
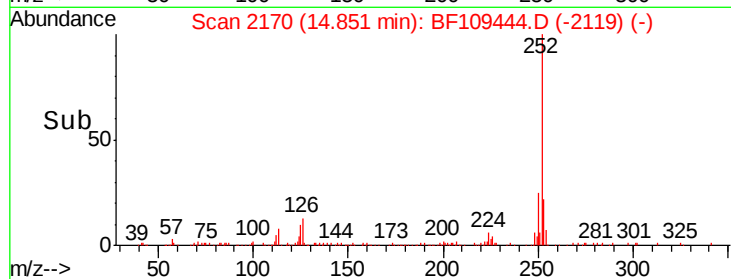
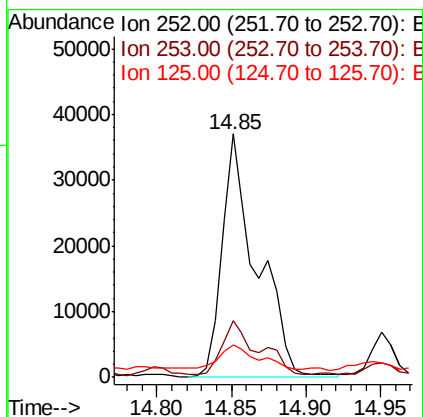
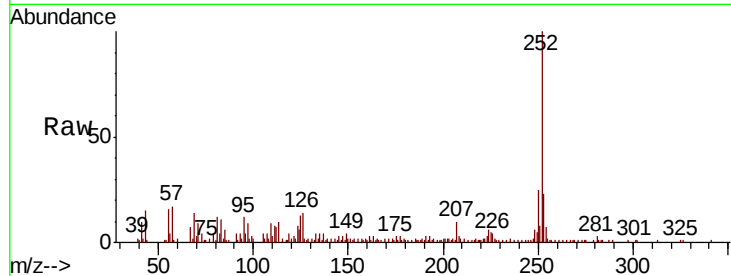




#87
Benzo(b)fluoranthene
Concen: 6.992 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109444.D
Acq: 28 Sep 2018 21:37

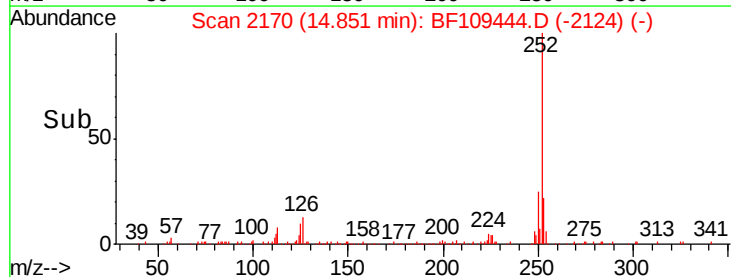
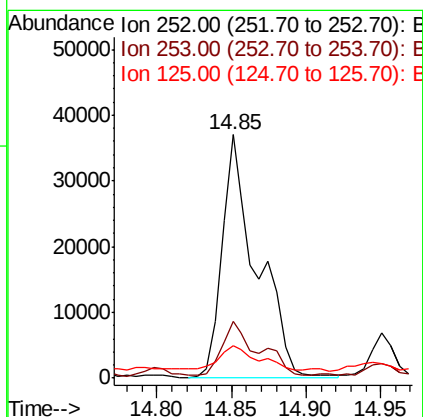
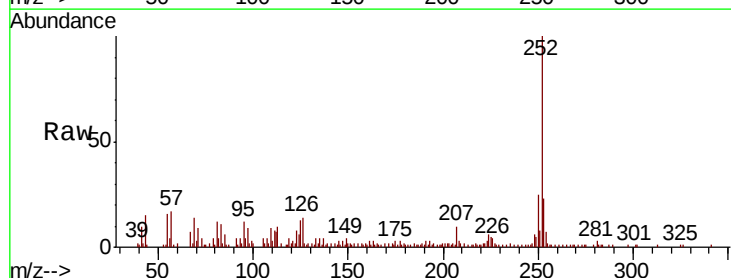
Instrument :
BNA_F
ClientSampleId :
HS-STONE-RO-227

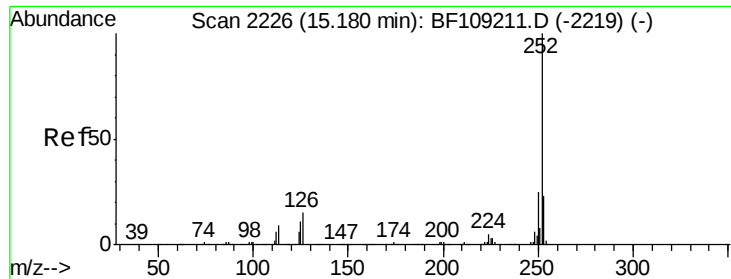
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	13.3	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 7.368 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109444.D
Acq: 28 Sep 2018 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	13.3	10.2	15.2





#89

Benzo(a)pyrene

Concen: 3.840 ng

RT: 15.19 min Scan# 2227

Delta R.T. 0.00 min

Lab File: BF109444.D

Acq: 28 Sep 2018 21:37

Instrument :

BNA_F

ClientSampleId :

HS-STONE-RO-227

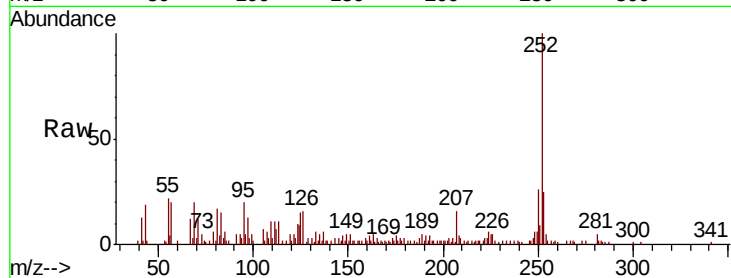
Tgt Ion:252 Resp: 29784

Ion Ratio Lower Upper

252 100

253 25.2 17.1 25.7

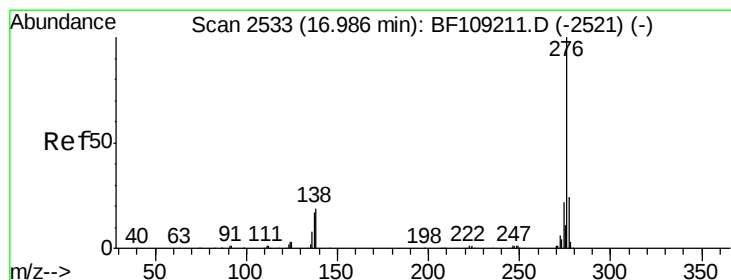
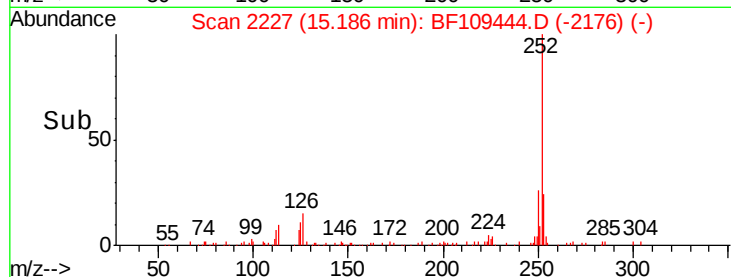
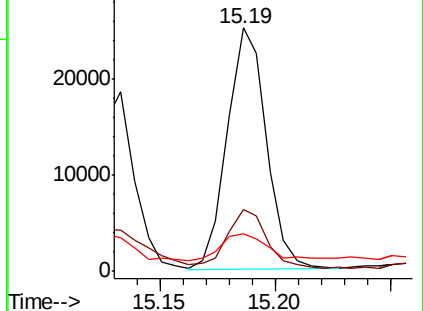
125 15.3 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 3.049 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BF109444.D

Acq: 28 Sep 2018 21:37

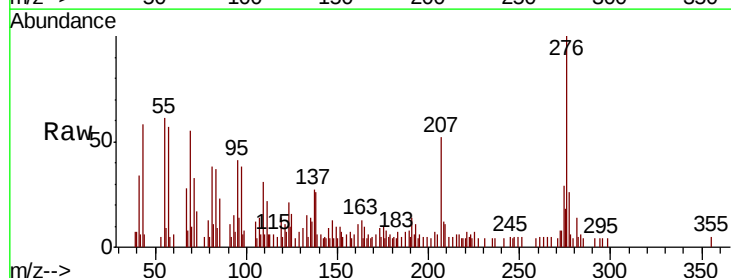
Tgt Ion:276 Resp: 19068

Ion Ratio Lower Upper

276 100

277 26.4 17.9 26.9

138 26.2 21.8 32.8



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

