

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012419\
 Data File : BF112212.D
 Acq On : 24 Jan 2019 16:47
 Operator : JU/SJ
 Sample : K1016-09 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-4-012319

Quant Time: Jan 25 00:02:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	185403	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	714119	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	351022	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	563341	20.00	ng	0.00
76) Chrysene-d12	14.03	240	437003	20.00	ng	0.00
87) Perylene-d12	15.50	264	331875	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	202245	19.80	ng	-0.01
7) Phenol-d6	6.49	99	265658	20.79	ng	-0.01
23) Nitrobenzene-d5	7.41	82	140545	13.60	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	65094	17.19	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	313526	13.10	ng	0.00
79) Terphenyl-d14	12.97	244	231726	11.28	ng	0.00

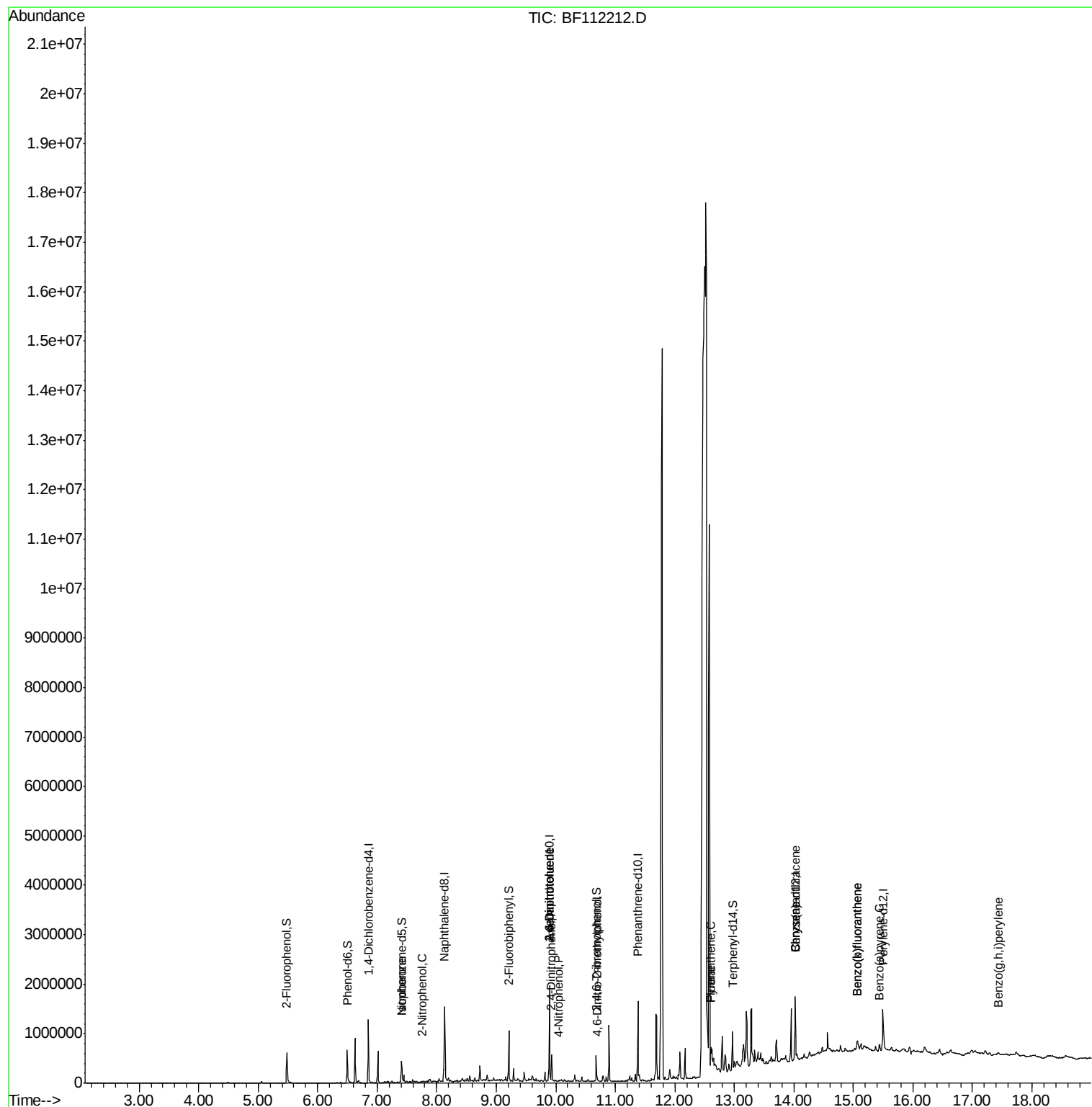
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.41	77	195	Below Cal		# 1
25) Isophorone	7.41	82	140108	7.018	ng	# 64
26) 2-Nitrophenol	7.76	139	137	5.702	ng	# 1
51) 2,6-Dinitrotoluene	9.89	165	46101	9.018	ng	# 34
54) 2,4-Dinitrophenol	9.93	184	989	8.736	ng	# 49
56) 4-Nitrophenol	10.03	139	116	5.681	ng	# 1
57) 2,4-Dinitrotoluene	9.89	165	46101	10.936	ng	# 32
65) 4,6-Dinitro-2-methylphenol	10.71	198	108	10.106	ng	# 1
75) Fluoranthene	12.60	202	89575	2.992	ng	98
78) Pyrene	12.60	202	89575	3.107	ng	97
81) Benzo(a)anthracene	14.02	228	51944	2.073	ng	95
83) Chrysene	14.02	228	51944	2.191	ng	98
88) Benzo(b)fluoranthene	15.07	252	122012	6.477	ng	# 93
89) Benzo(k)fluoranthene	15.07	252	122012	6.692	ng	# 93
90) Benzo(a)pyrene	15.43	252	64205	3.716	ng	# 87
92) Benzo(g,h,i)perylene	17.43	276	37186	2.460	ng	94

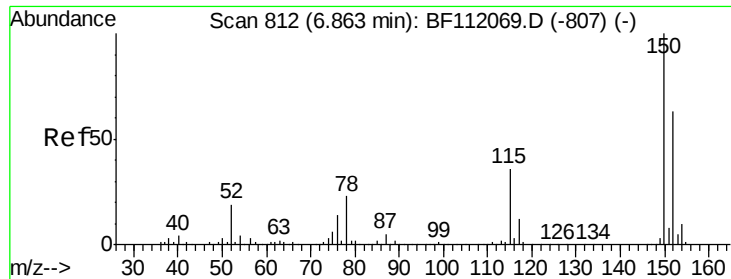
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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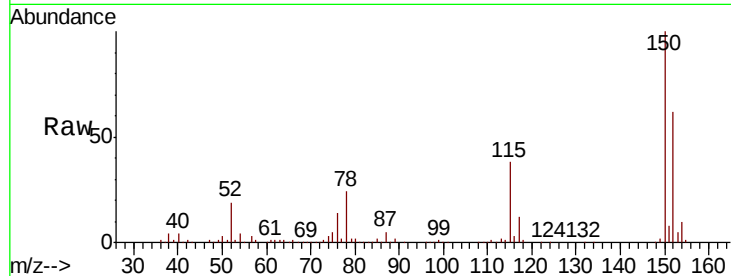




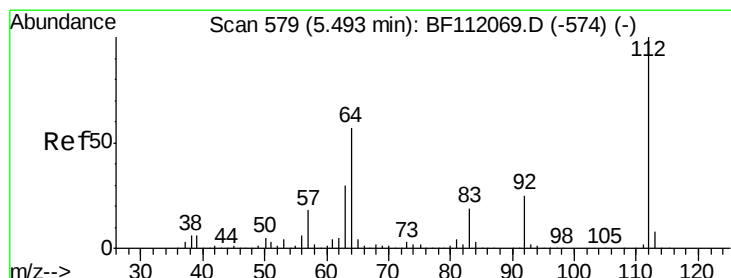
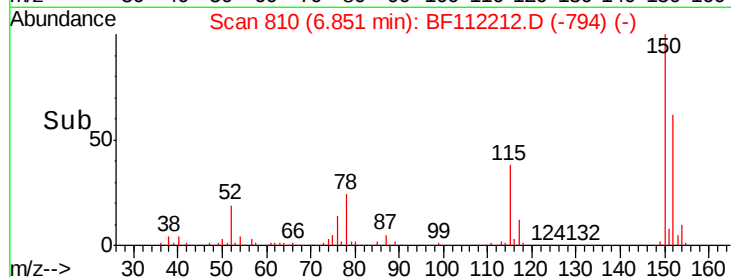
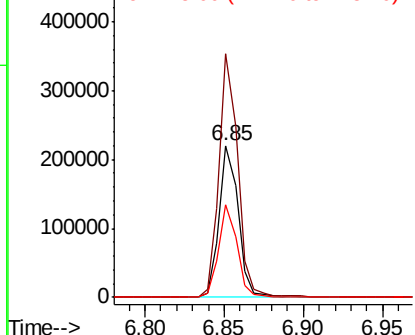
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF112212.D
 Acq: 24 Jan 2019 16:47

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-4-012319

Tgt Ion:152 Resp: 185403
 Ion Ratio Lower Upper
 152 100
 150 160.3 127.4 191.0
 115 60.7 45.5 68.3

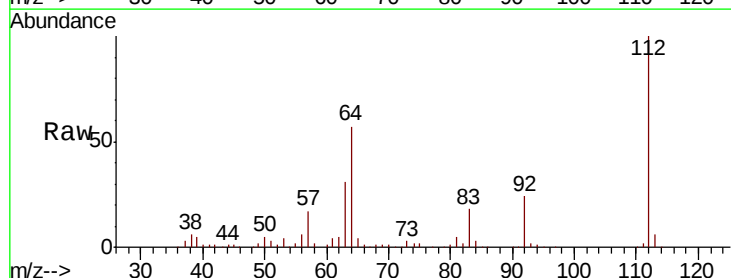


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

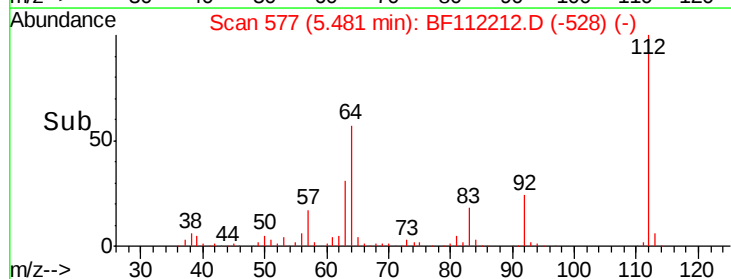
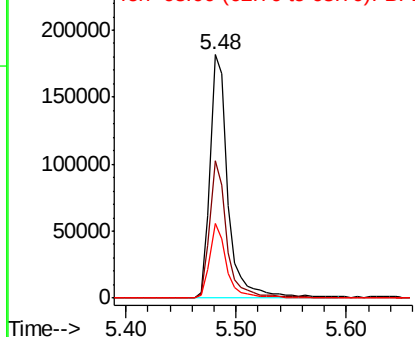


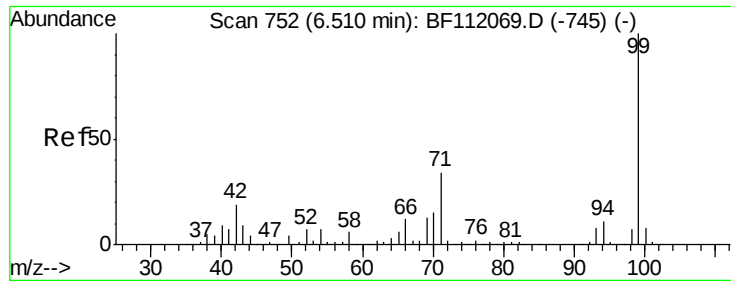
#5
 2-Fluorophenol
 Concen: 19.799 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: BF112212.D
 Acq: 24 Jan 2019 16:47

Tgt Ion:112 Resp: 202245
 Ion Ratio Lower Upper
 112 100
 64 56.5 45.7 68.5
 63 30.7 23.6 35.4



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: 20.786 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112212.D

Acq: 24 Jan 2019 16:47

Instrument :

BNA_F

ClientSampleId :

TR-05-RO-4-012319

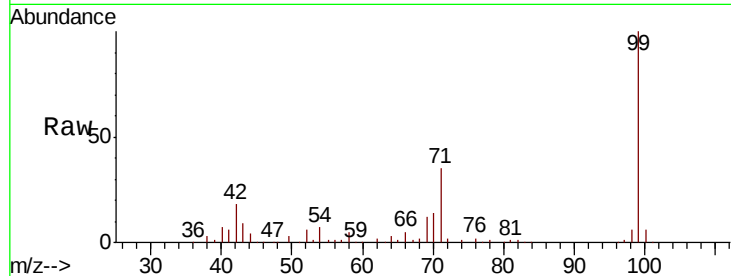
Tgt Ion: 99 Resp: 265658

Ion Ratio Lower Upper

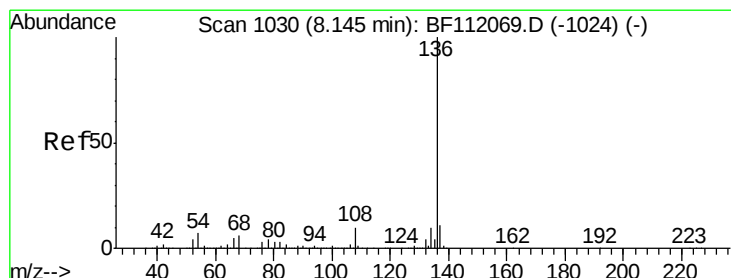
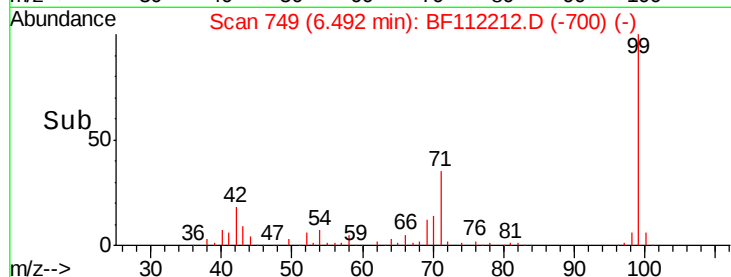
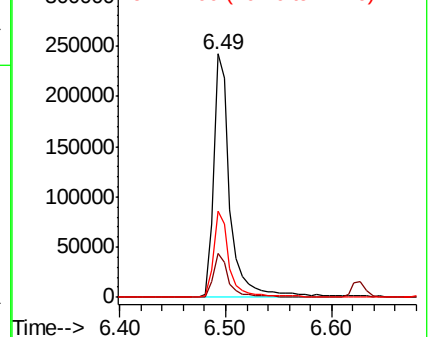
99 100

42 18.2 15.1 22.7

71 35.4 26.9 40.3



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112212.D

Acq: 24 Jan 2019 16:47

Tgt Ion: 136 Resp: 714119

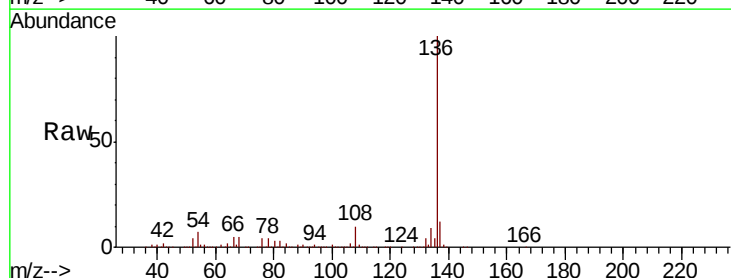
Ion Ratio Lower Upper

136 100

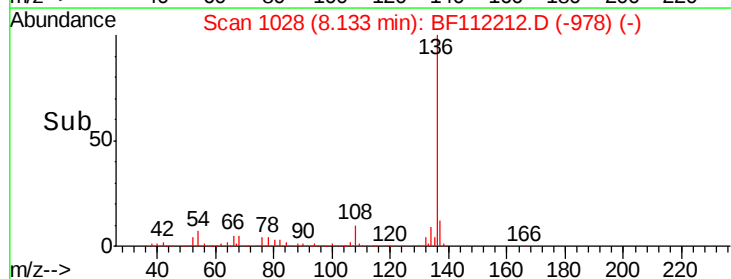
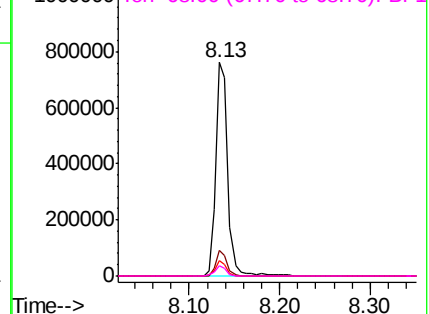
137 11.7 9.1 13.7

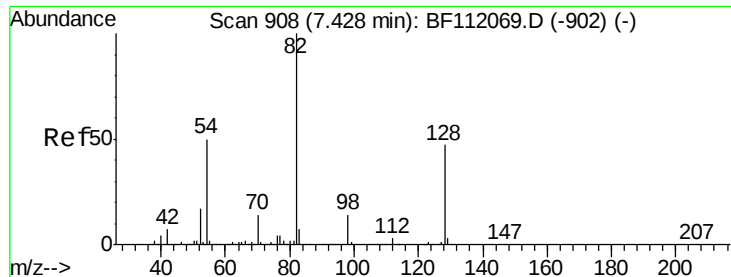
54 7.0 5.9 8.9

68 5.1 5.1 7.7#



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

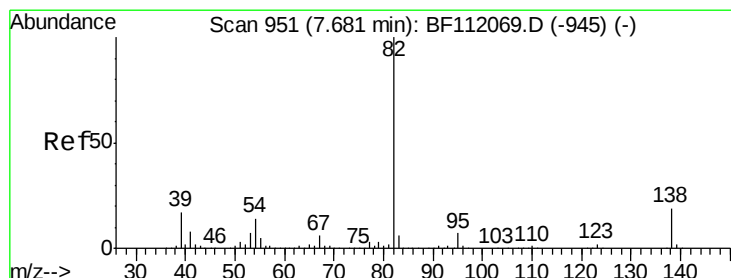
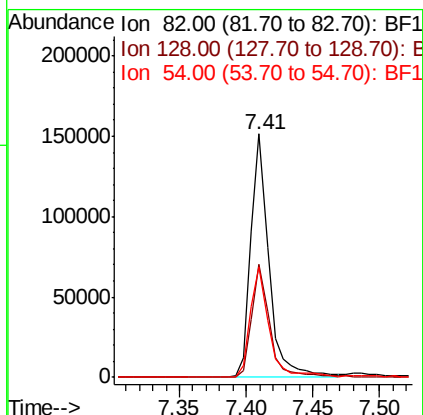
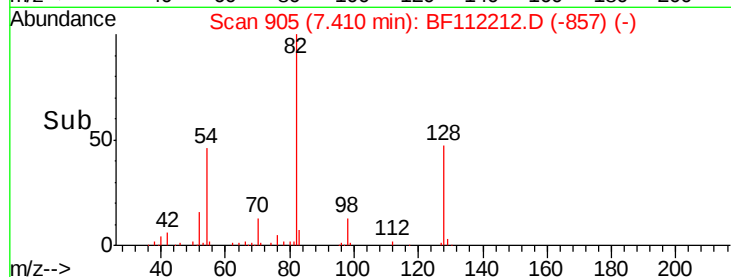
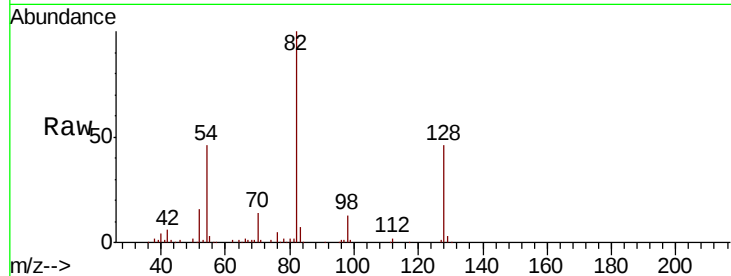




#23
Nitrobenzene-d5
Concen: 13.597 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112212.D
Acq: 24 Jan 2019 16:47

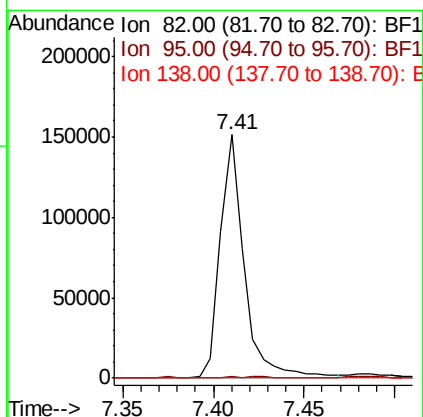
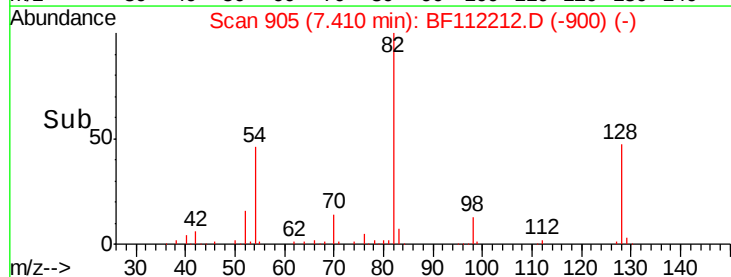
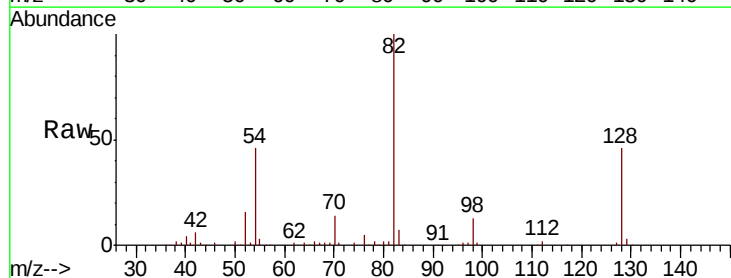
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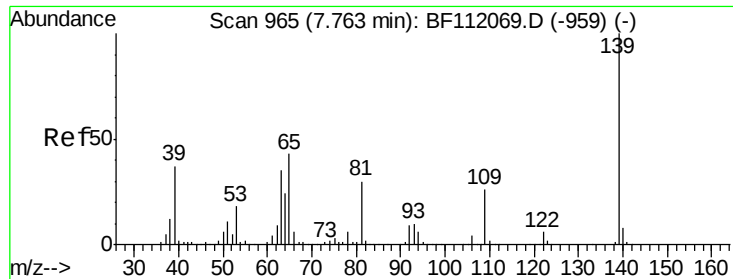
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.8	56.8
54	45.6	39.7	59.5



#25
Isophorone
Concen: 7.018 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.27 min
Lab File: BF112212.D
Acq: 24 Jan 2019 16:47

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.5	5.7	8.5#
138	0.0	15.4	23.0#

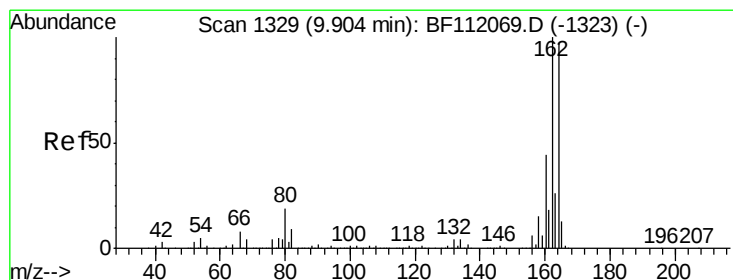
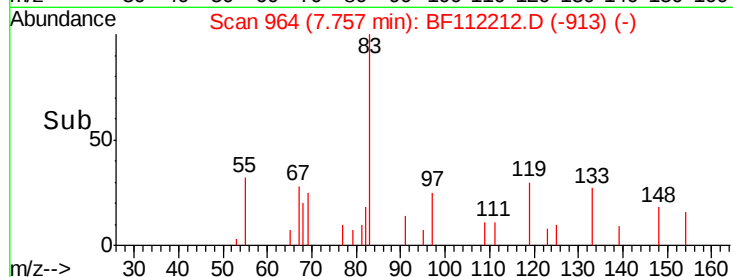
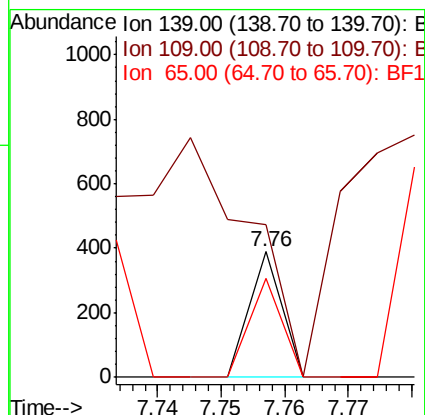
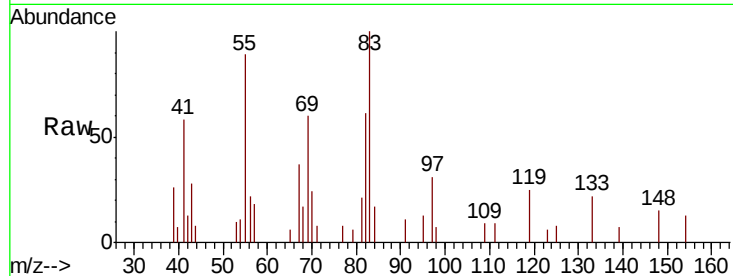




#26
2-Nitrophenol
Concen: 5.702 ng
RT: 7.76 min Scan# 964
Delta R.T. 0.00 min
Lab File: BF112212.D
Acq: 24 Jan 2019 16:47

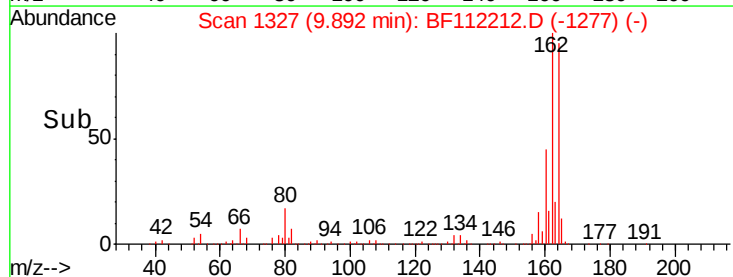
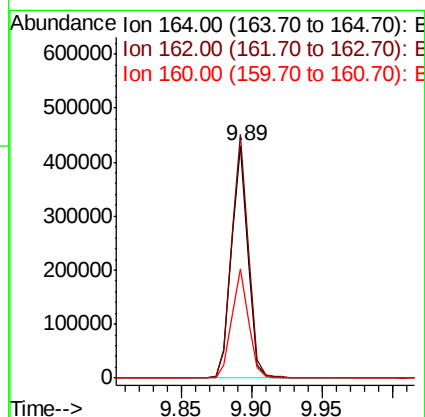
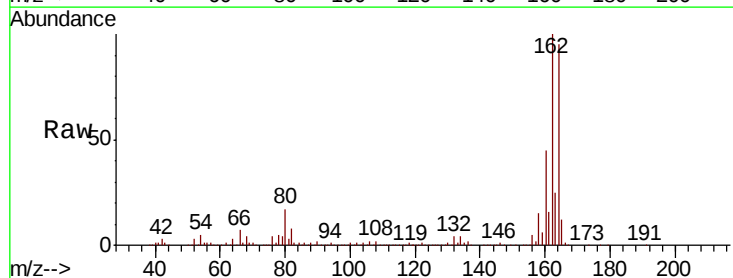
Instrument :
BNA_F
ClientSampleId :
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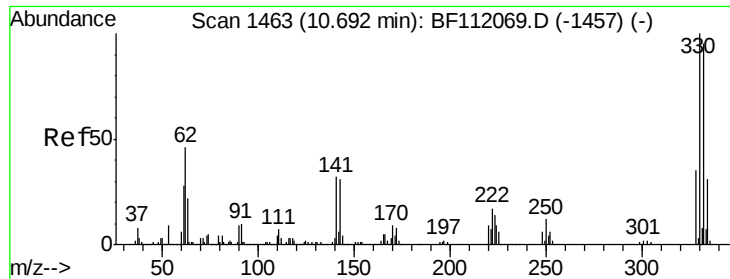
Tgt Ion:139 Resp: 137
Ion Ratio Lower Upper
139 100
109 121.6 20.8 31.2#
65 79.2 34.4 51.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112212.D
Acq: 24 Jan 2019 16:47

Tgt Ion:164 Resp: 351022
Ion Ratio Lower Upper
164 100
162 104.7 82.2 123.4
160 47.0 36.2 54.4

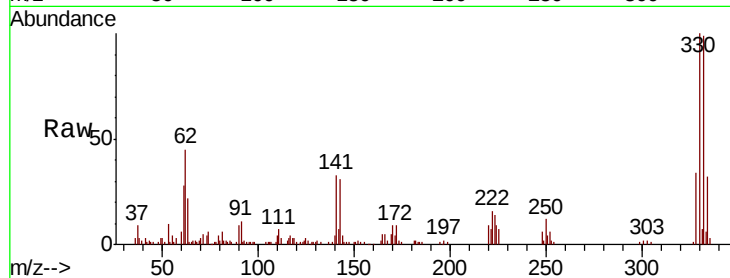




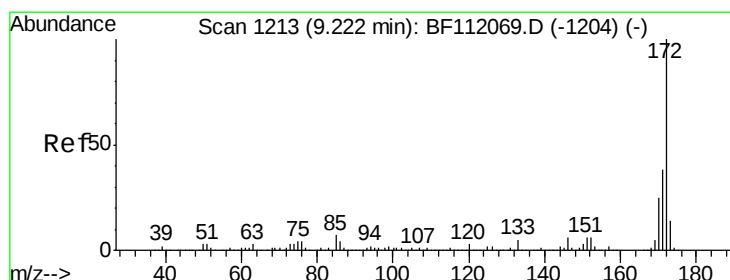
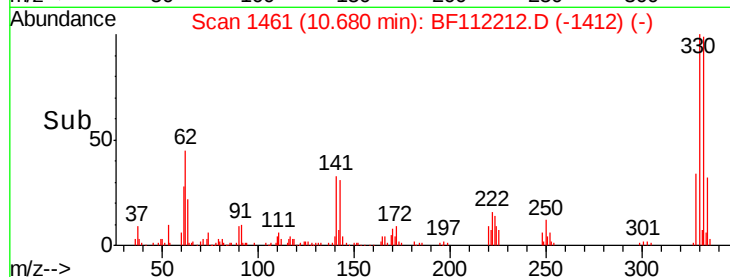
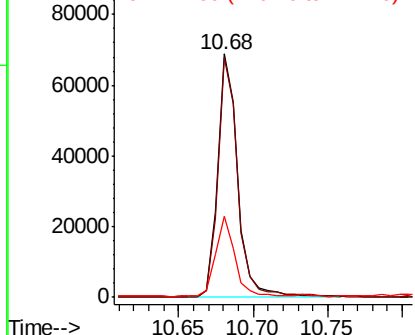
#42
 2,4,6-Tribromophenol
 Concen: 17.190 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112212.D
 Acq: 24 Jan 2019 16:47

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-4-012319

Tgt Ion: 330 Resp: 65094
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.6 114.8
 141 34.1 24.3 36.5

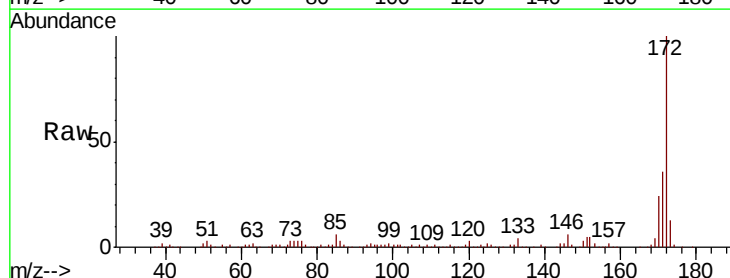


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

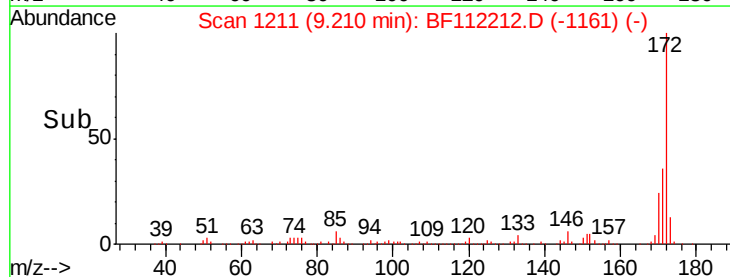
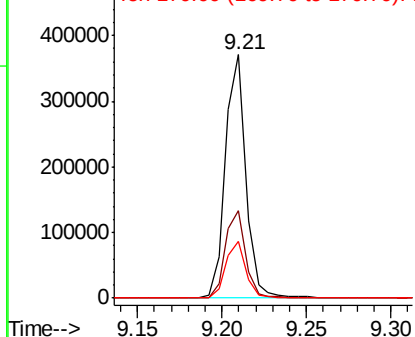


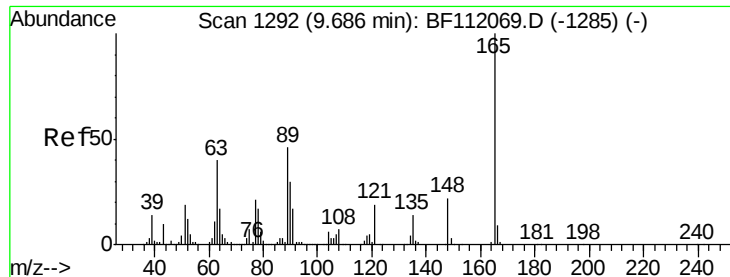
#45
 2-Fluorobiphenyl
 Concen: 13.095 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112212.D
 Acq: 24 Jan 2019 16:47

Tgt Ion: 172 Resp: 313526
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.5 45.7
 170 23.5 20.2 30.4



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

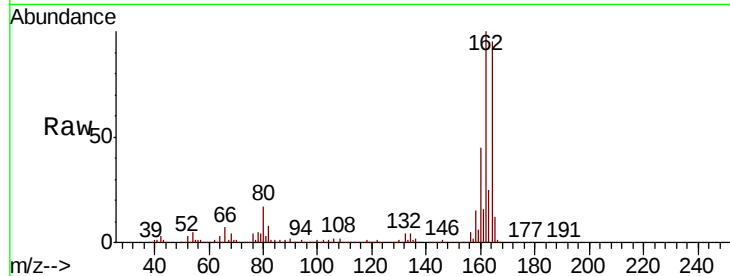




#51
 2,6-Dinitrotoluene
 Concen: 9.018 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF112212.D
 Acq: 24 Jan 2019 16:47

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-4-012319

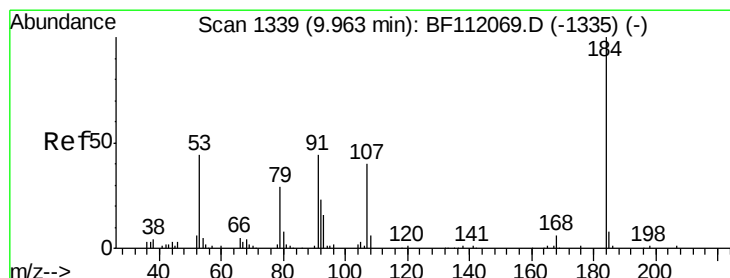
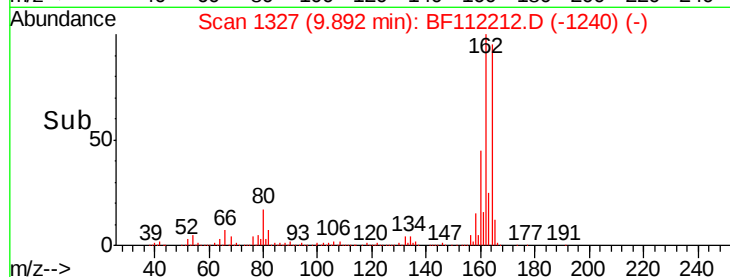
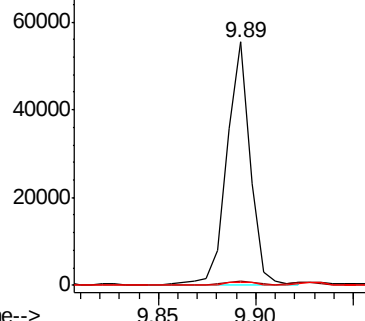
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.8	50.8#
89	1.3	36.9	55.3#



Abundance Ion 165.00 (164.70 to 165.70): E

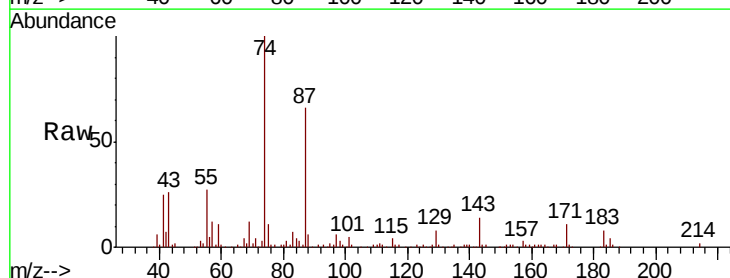
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#54
 2,4-Dinitrophenol
 Concen: 8.736 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.03 min
 Lab File: BF112212.D
 Acq: 24 Jan 2019 16:47

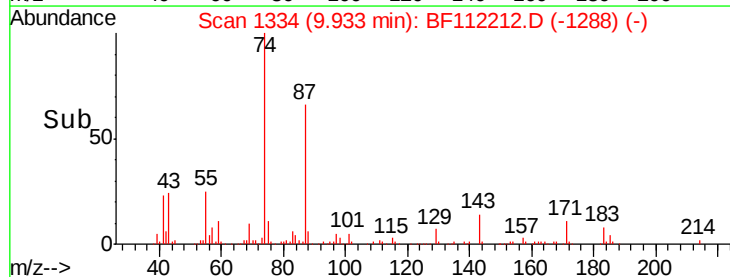
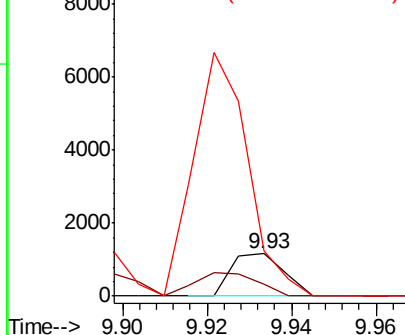
Tgt Ion	Ratio	Lower	Upper
184	100		
63	26.7	47.1	70.7#
154	105.7	48.9	73.3#

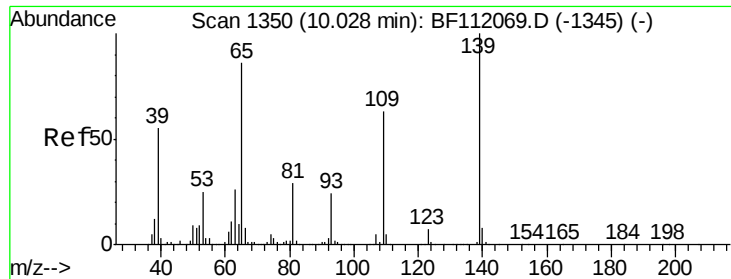


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

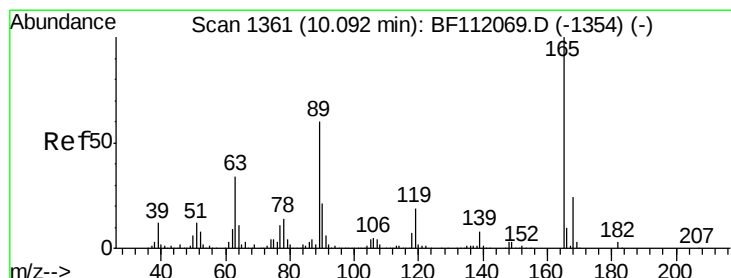
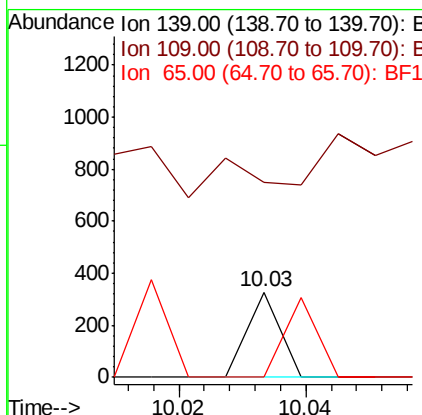
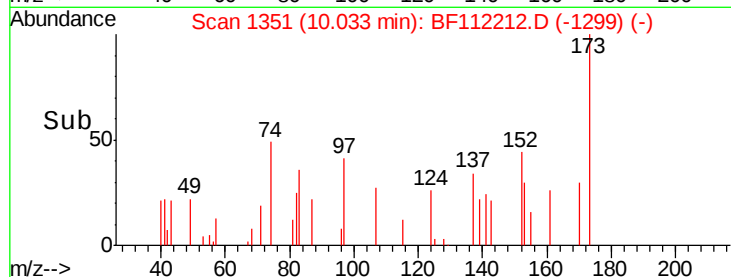
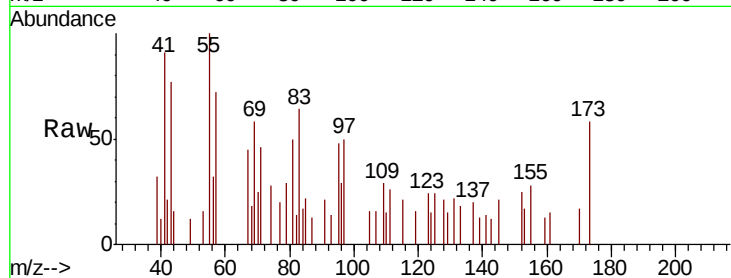




#56
4-Nitrophenol
Concen: 5.681 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.01 min
Lab File: BF112212.D
Acq: 24 Jan 2019 16:47

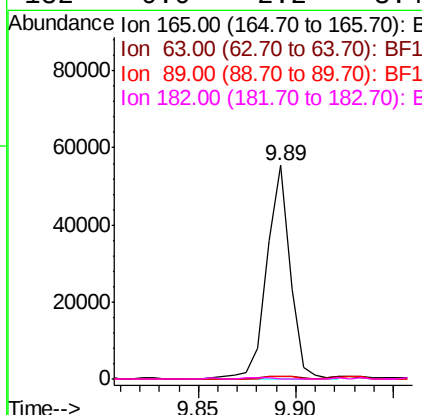
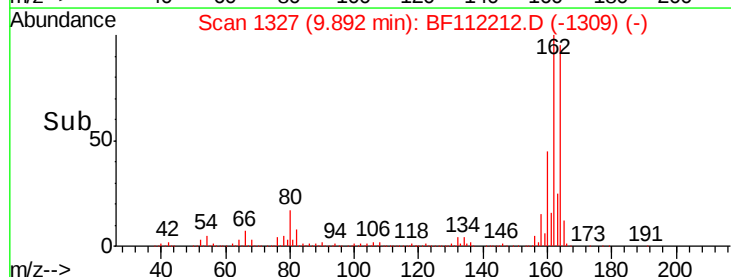
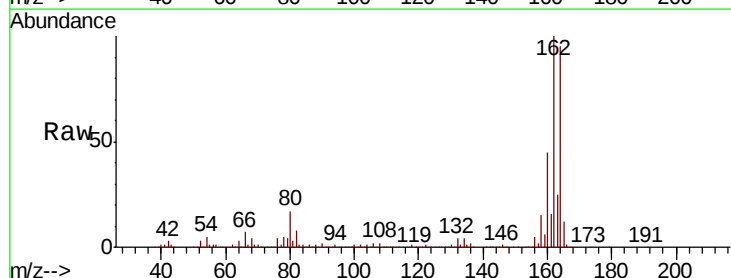
Instrument :
BNA_F
ClientSampleId :
TR-05-RO-4-012319

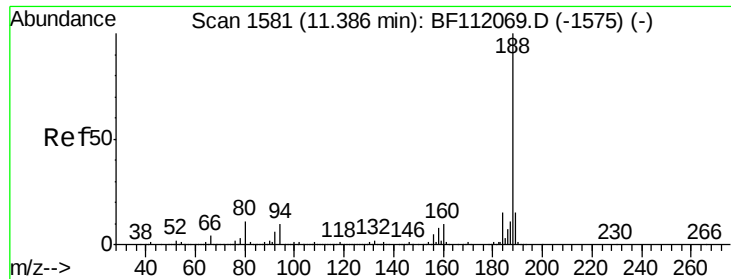
Tgt Ion:139 Resp: 116
Ion Ratio Lower Upper
139 100
109 228.0 42.8 82.8#
65 0.0 66.1 106.1#



#57
2,4-Dinitrotoluene
Concen: 10.936 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF112212.D
Acq: 24 Jan 2019 16:47

Tgt Ion:165 Resp: 46101
Ion Ratio Lower Upper
165 100
63 1.5 27.9 41.9#
89 1.3 47.9 71.9#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF112212.D

Acq: 24 Jan 2019 16:47

Instrument :

BNA_F

ClientSampleId :

TR-05-RO-4-012319

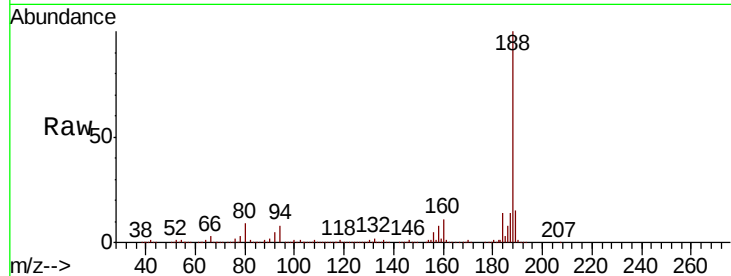
Tgt Ion:188 Resp: 563341

Ion Ratio Lower Upper

188 100

94 8.2 8.2 12.2

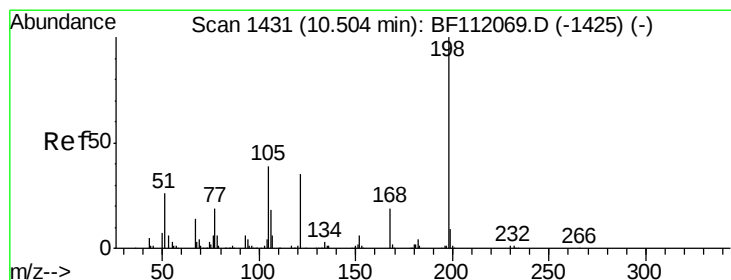
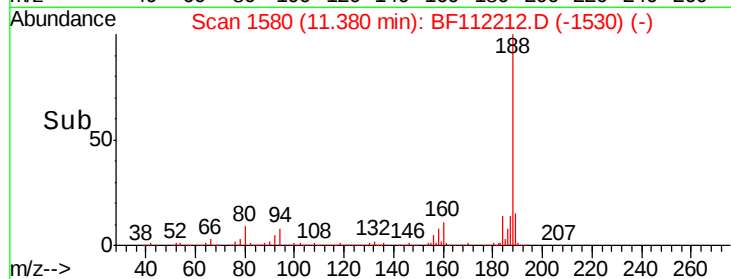
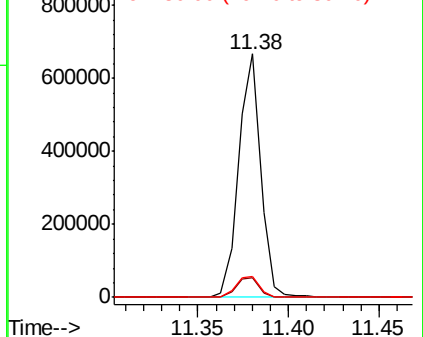
80 8.8 8.9 13.3#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 10.106 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.21 min

Lab File: BF112212.D

Acq: 24 Jan 2019 16:47

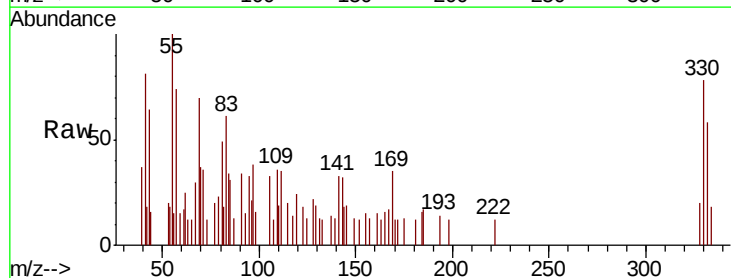
Tgt Ion:198 Resp: 108

Ion Ratio Lower Upper

198 100

51 0.0 17.2 57.2#

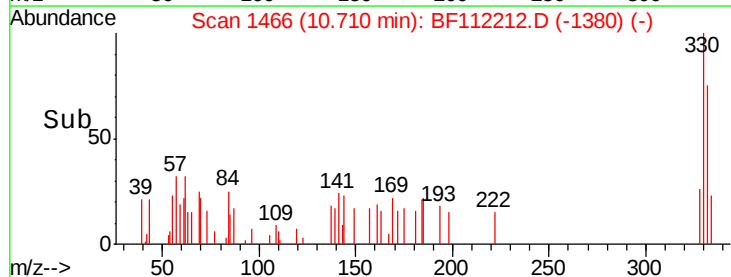
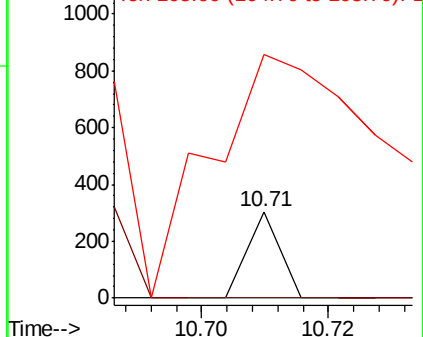
105 281.0 21.9 61.9#

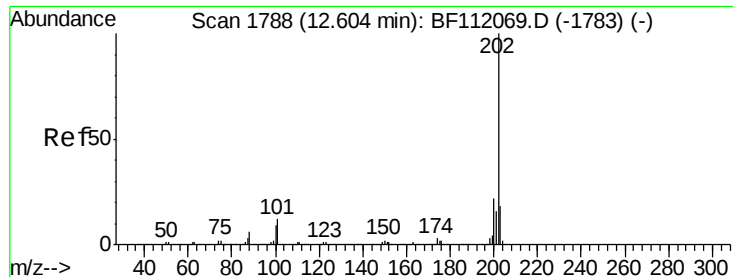


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#75

Fluoranthene

Concen: 2.992 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF112212.D

Acq: 24 Jan 2019 16:47

Instrument :

BNA_F

ClientSampleId :

TR-05-RO-4-012319

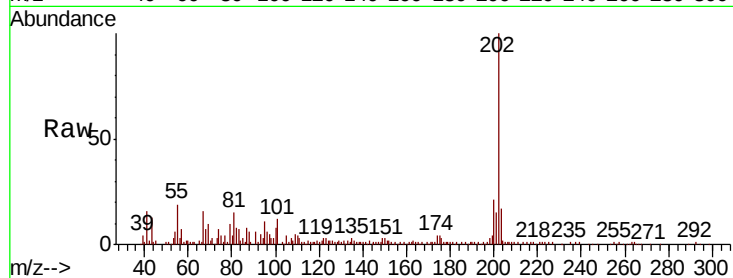
Tgt Ion:202 Resp: 89575

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.8

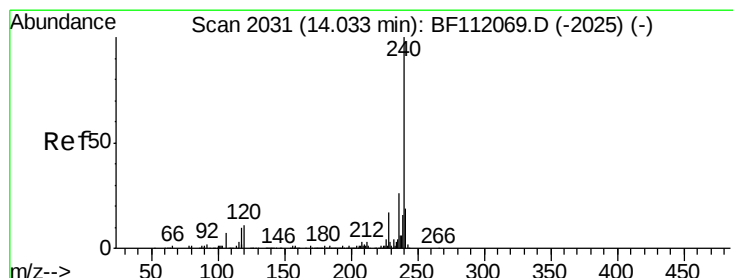
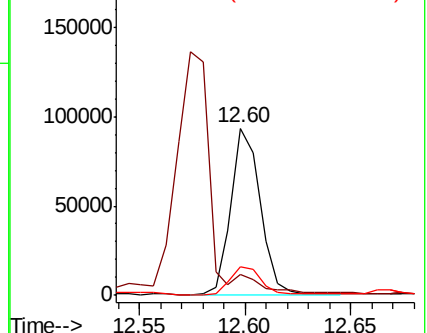
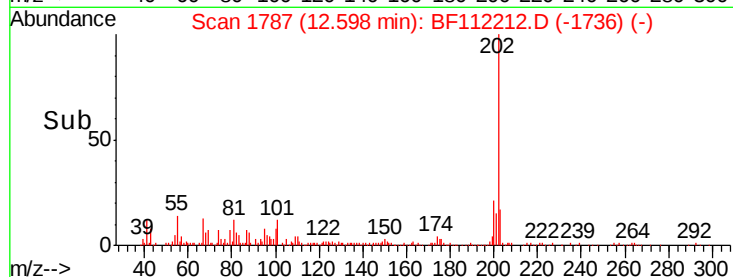
203 17.0 0.0 38.4



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: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF112212.D

Acq: 24 Jan 2019 16:47

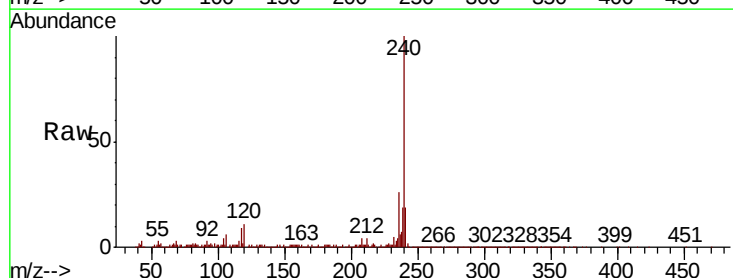
Tgt Ion:240 Resp: 437003

Ion Ratio Lower Upper

240 100

120 10.5 9.0 13.6

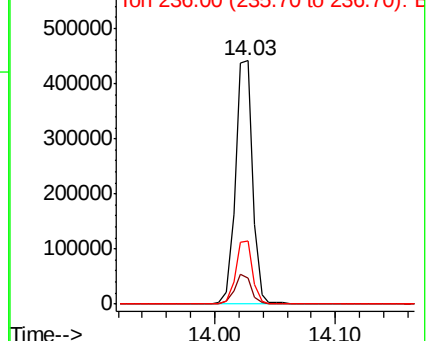
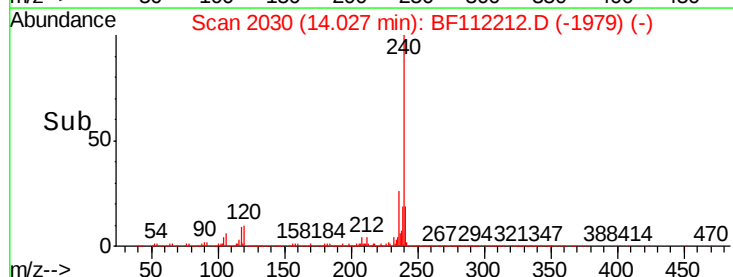
236 25.7 20.7 31.1

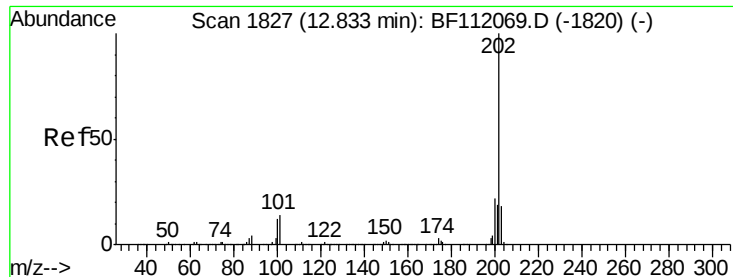


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

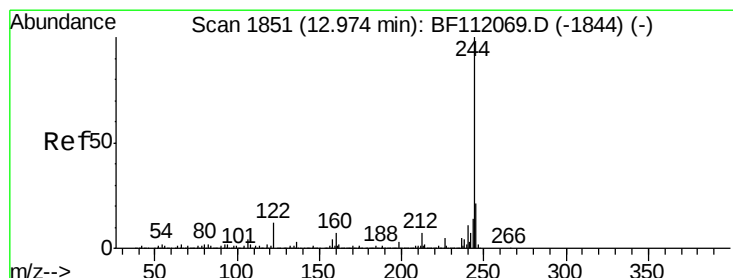
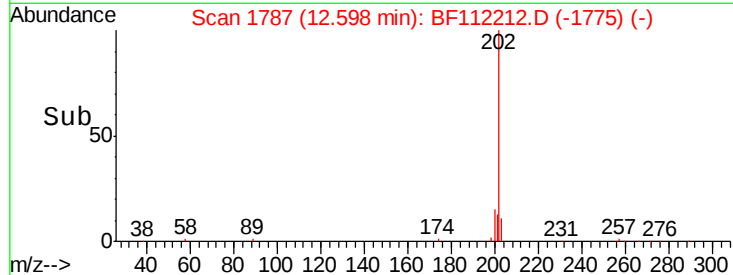
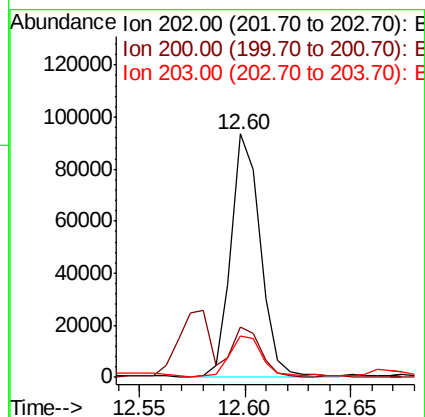
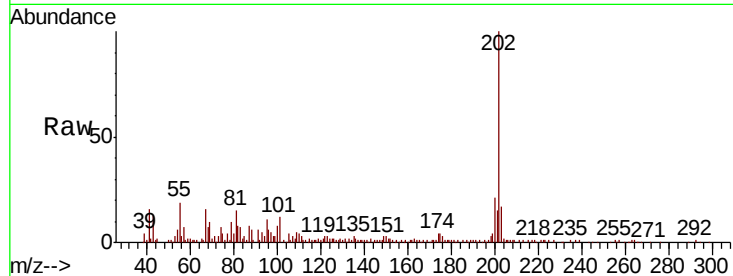




#78
Pyrene
Concen: 3.107 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.23 min
Lab File: BF112212.D
Acq: 24 Jan 2019 16:47

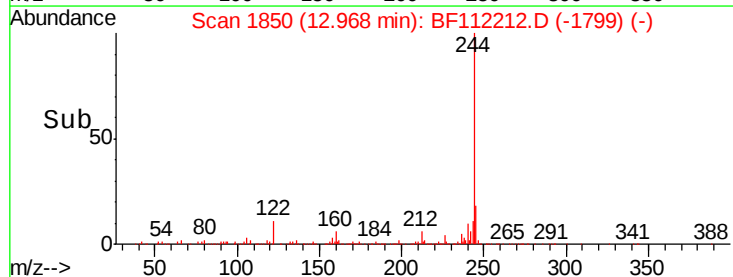
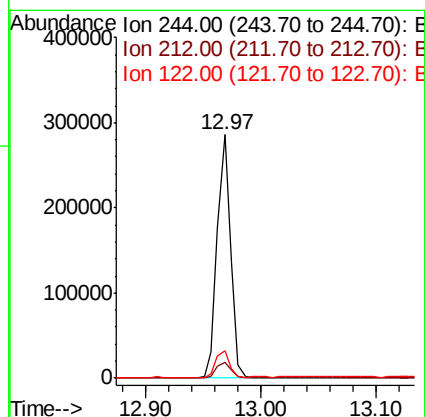
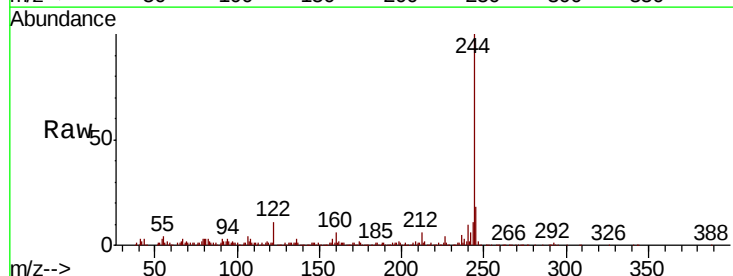
Instrument :
BNA_F
ClientSampleId :
TR-05-RO-4-012319

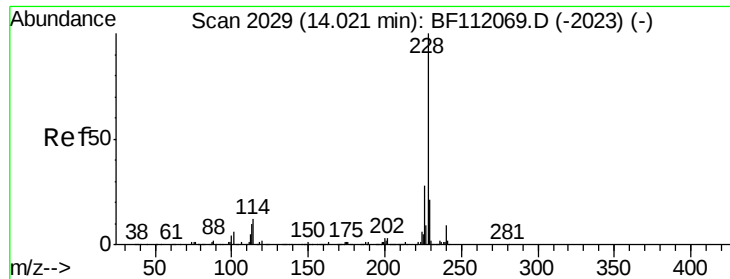
Tgt Ion:202 Resp: 89575
Ion Ratio Lower Upper
202 100
200 20.6 17.7 26.5
203 17.0 14.6 22.0



#79
Terphenyl-d14
Concen: 11.281 ng
RT: 12.97 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BF112212.D
Acq: 24 Jan 2019 16:47

Tgt Ion:244 Resp: 231726
Ion Ratio Lower Upper
244 100
212 6.4 5.9 8.9
122 11.2 9.8 14.6





#81

Benzo(a)anthracene

Concen: 2.073 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF112212.D

Acq: 24 Jan 2019 16:47

Instrument :

BNA_F

ClientSampleId :

TR-05-RO-4-012319

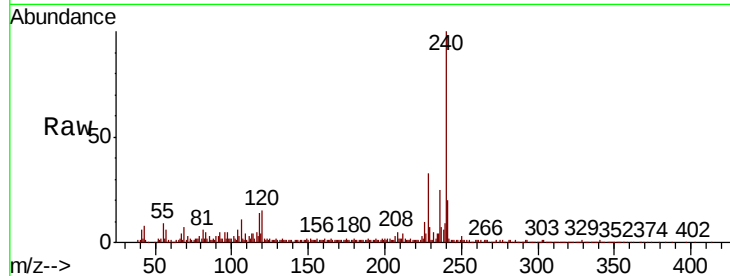
Tgt Ion:228 Resp: 51944

Ion Ratio Lower Upper

228 100

226 31.2 22.6 34.0

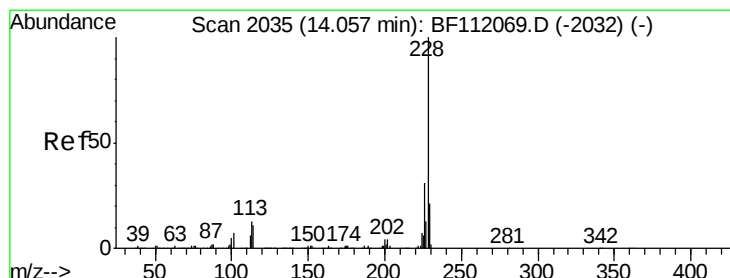
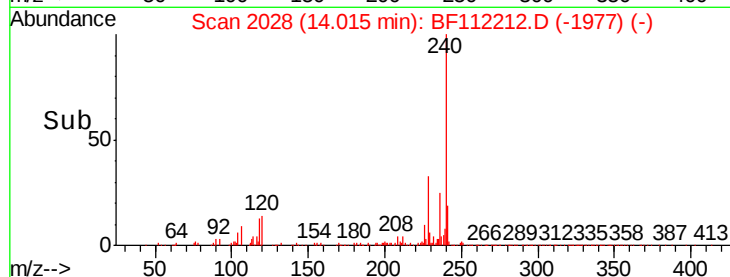
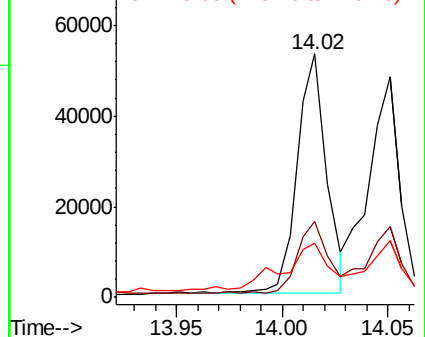
229 22.4 16.5 24.7



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: 2.191 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.04 min

Lab File: BF112212.D

Acq: 24 Jan 2019 16:47

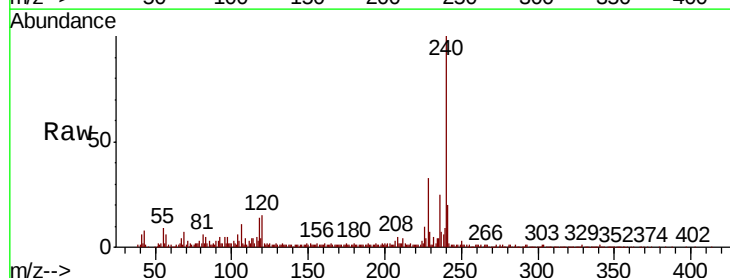
Tgt Ion:228 Resp: 51944

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

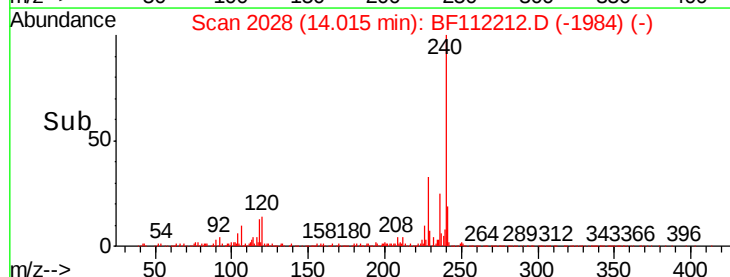
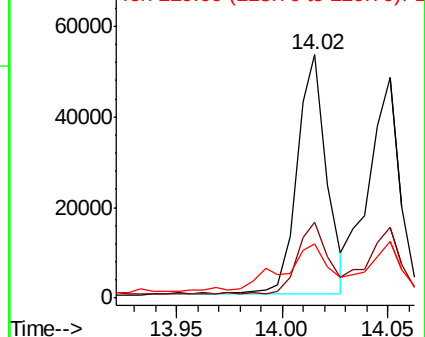
229 22.4 16.6 24.8

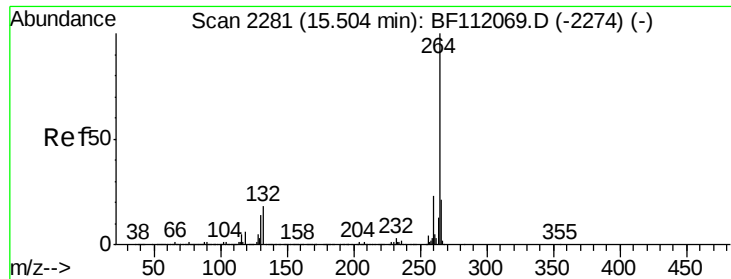


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

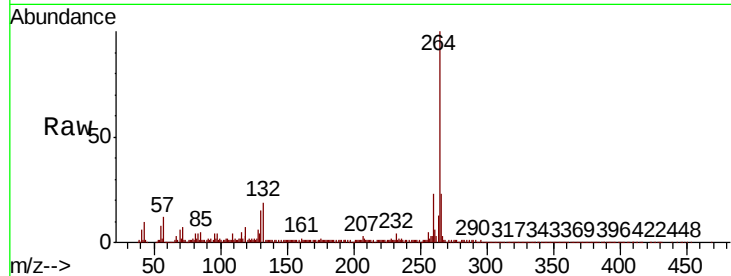




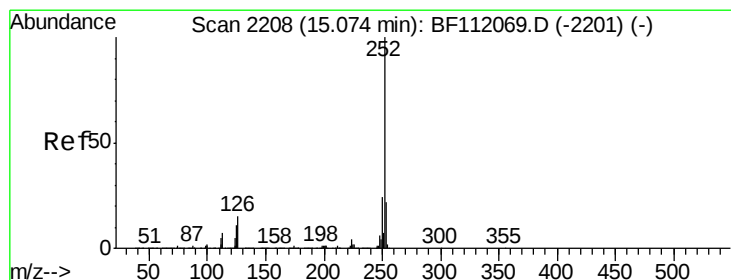
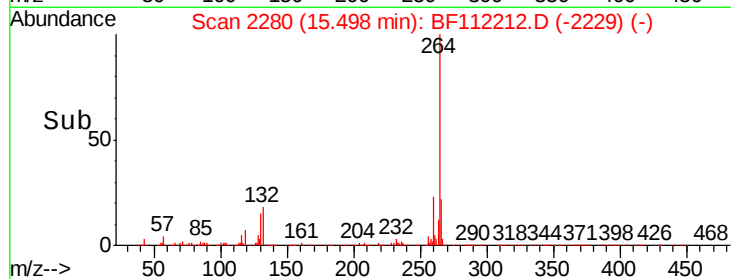
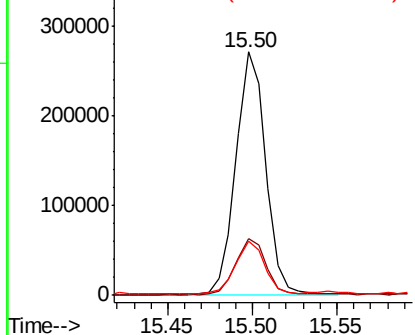
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF112212.D
Acq: 24 Jan 2019 16:47

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-4-012319

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.2
265	22.5	17.0	25.4

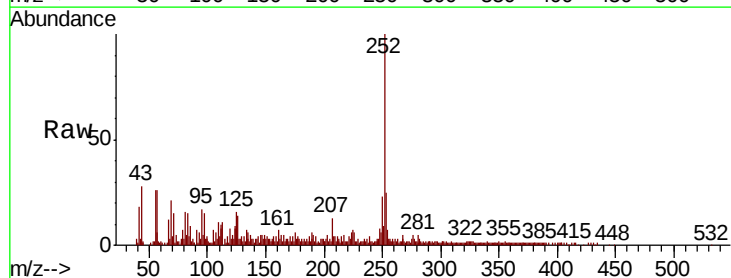


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

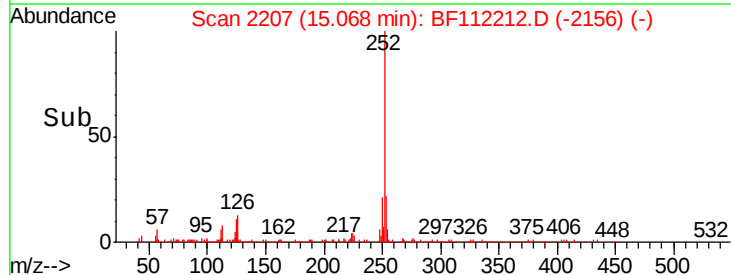
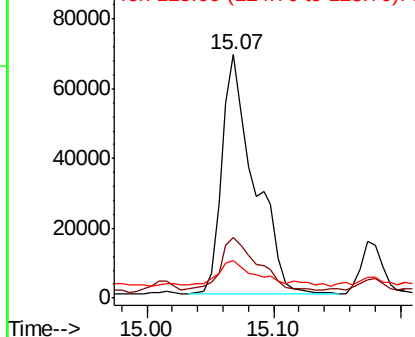


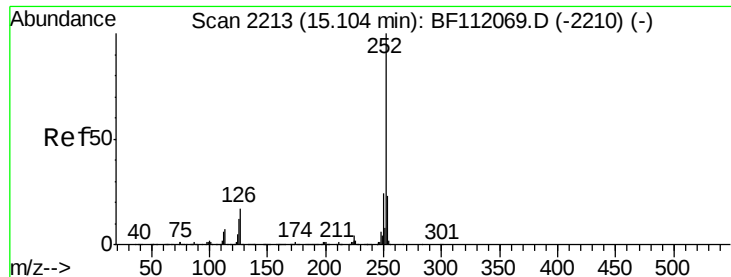
#88
Benzo(b)fluoranthene
Concen: 6.477 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF112212.D
Acq: 24 Jan 2019 16:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	15.7	8.7	13.1



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

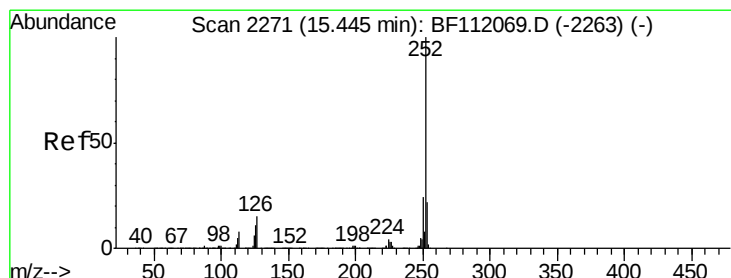
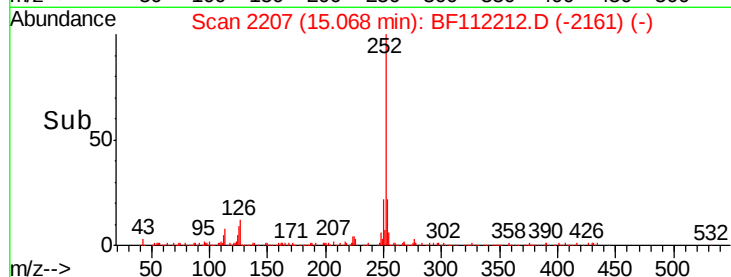
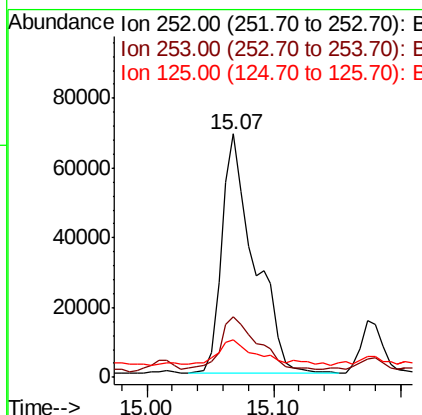
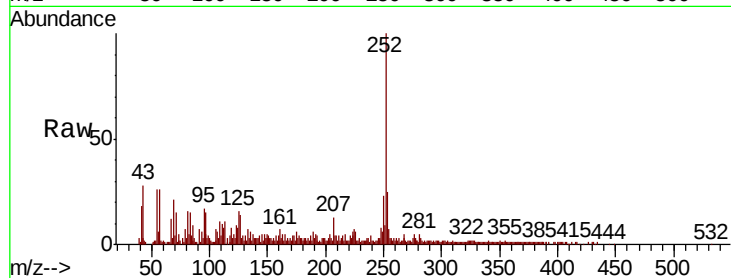




#89
Benzo(k)fluoranthene
Concen: 6.692 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.03 min
Lab File: BF112212.D
Acq: 24 Jan 2019 16:47

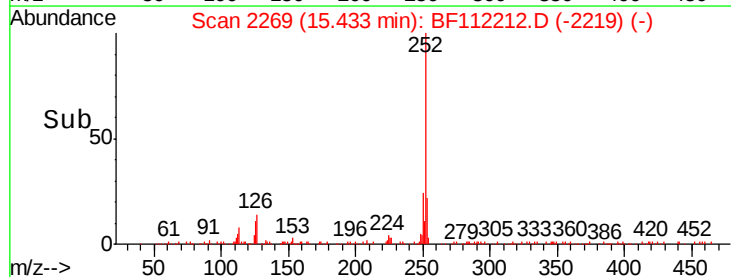
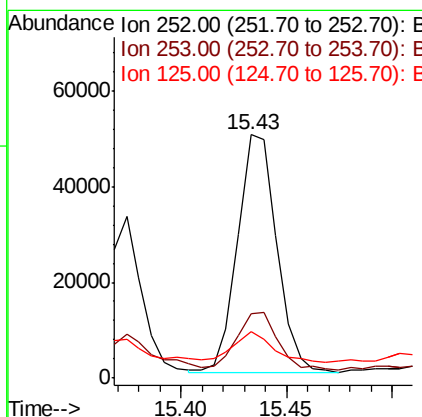
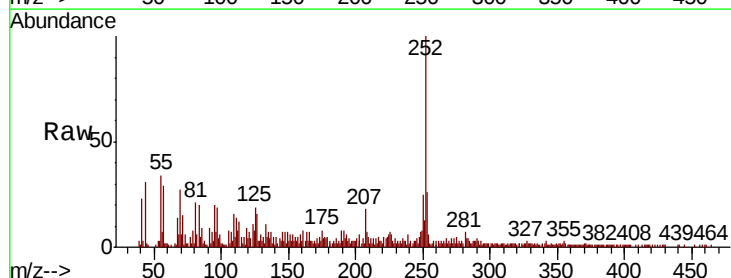
Instrument :
BNA_F
ClientSampleId :
TR-05-RO-4-012319

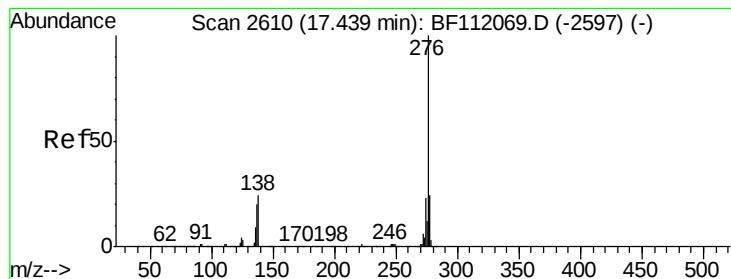
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	15.7	9.1	13.7#



#90
Benzo(a)pyrene
Concen: 3.716 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF112212.D
Acq: 24 Jan 2019 16:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.5	26.3#
125	18.8	9.0	13.4#





#92

Benzo(g,h,i)perylene

Concen: 2.460 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.00 min

Lab File: BF112212.D

Acq: 24 Jan 2019 16:47

Instrument :

BNA_F

ClientSampleId :

TR-05-RO-4-012319

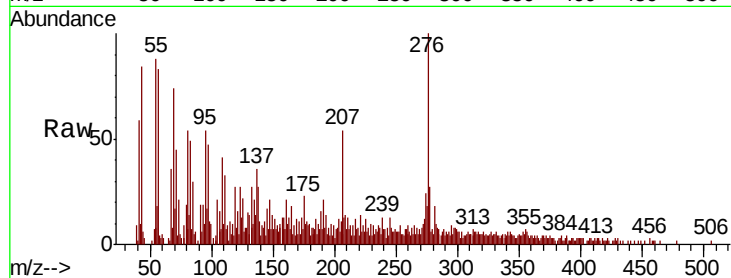
Tgt Ion: 276 Resp: 37186

Ion Ratio Lower Upper

276 100

277 26.8 19.4 29.0

138 27.1 19.1 28.7



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

