

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011819\
 Data File : BF112147.D
 Acq On : 19 Jan 2019 1:34
 Operator : JU/SJ
 Sample : K1011-07 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-011719-B

Quant Time: Jan 19 03:47:56 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	6.86	152	258719	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	947403	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	394411	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	617917	20.00	ng	0.00
76) Chrysene-d12	14.02	240	580922	20.00	ng	0.00
87) Perylene-d12	15.49	264	486100	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	345126	24.21	ng	-0.01
7) Phenol-d6	6.49	99	436431	24.47	ng	-0.01
23) Nitrobenzene-d5	7.41	82	242336	17.67	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	71639	16.84	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	534430	19.87	ng	0.00
79) Terphenyl-d14	12.96	244	432528	15.84	ng	-0.01

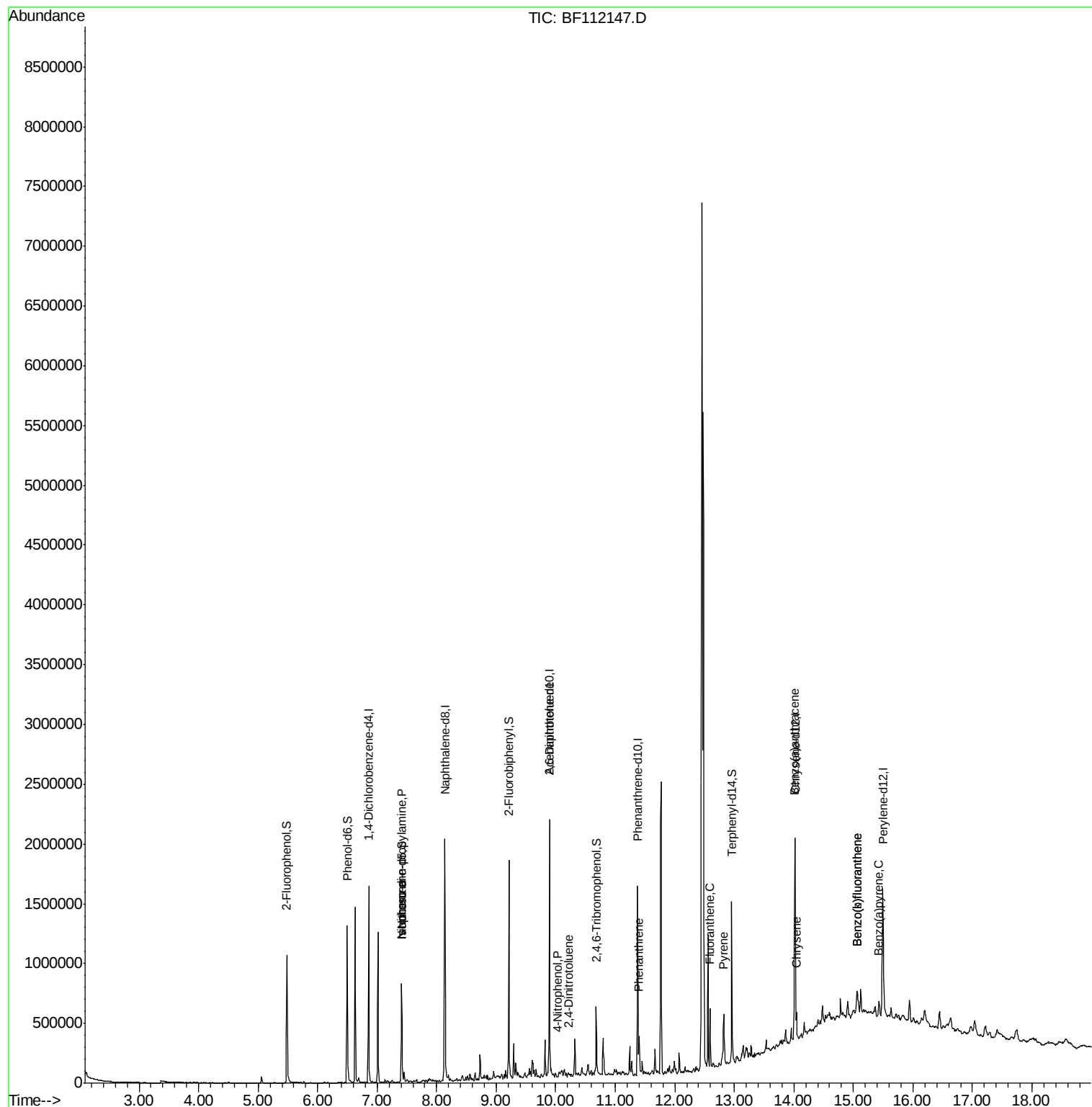
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	788	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.41	70	31926	2.939	ng	# 75
25) Isophorone	7.41	82	236410	8.926	ng	# 64
51) 2,6-Dinitrotoluene	9.89	165	53561	9.324	ng	# 35
56) 4-Nitrophenol	10.03	139	235	5.702	ng	# 1
57) 2,4-Dinitrotoluene	10.22	165	1887	4.813	ng	# 40
71) Phenanthrene	11.40	178	119877	3.855	ng	98
75) Fluoranthene	12.59	202	187184	5.701	ng	97
78) Pyrene	12.82	202	171619	4.478	ng	97
81) Benzo(a)anthracene	14.01	228	96357	2.893	ng	98
83) Chrysene	14.04	228	72800	2.310	ng	96
88) Benzo(b)fluoranthene	15.06	252	125984	4.566	ng	# 91
89) Benzo(k)fluoranthene	15.06	252	125984	4.717	ng	# 91
90) Benzo(a)pyrene	15.43	252	67698	2.675	ng	# 91

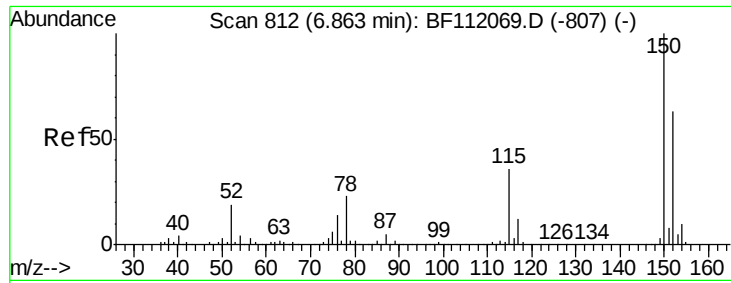
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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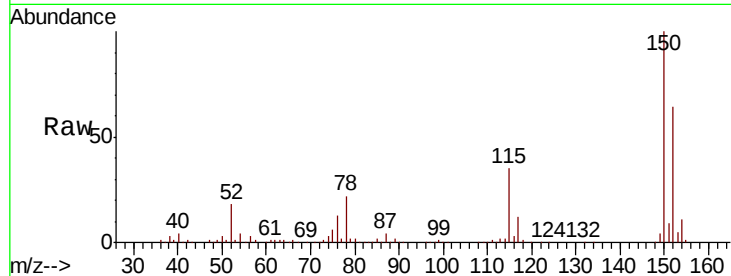




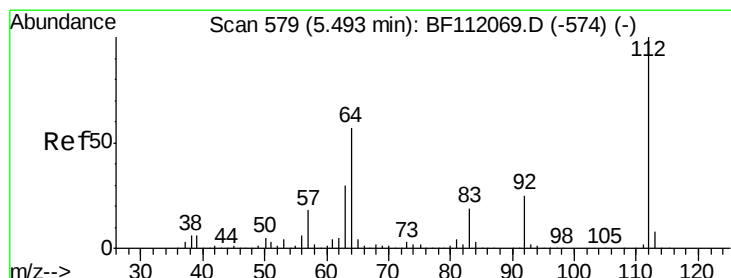
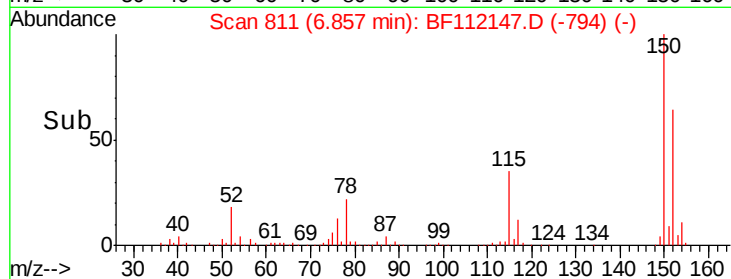
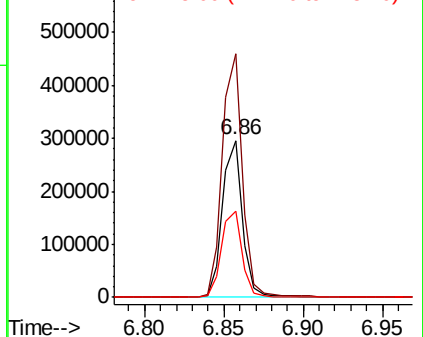
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF112147.D
 Acq: 19 Jan 2019 1:34

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-011719-B

Tgt Ion:152 Resp: 258719
 Ion Ratio Lower Upper
 152 100
 150 155.0 127.4 191.0
 115 54.9 45.5 68.3

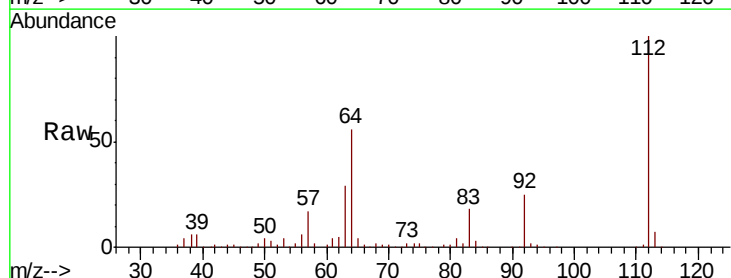


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

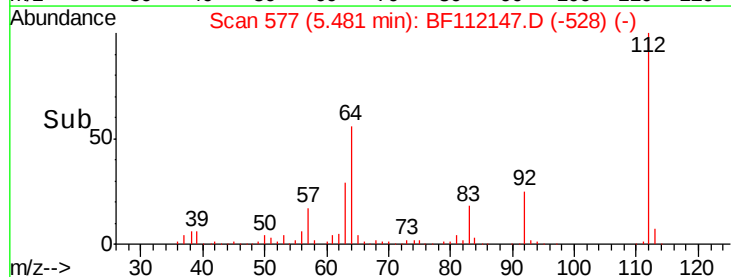
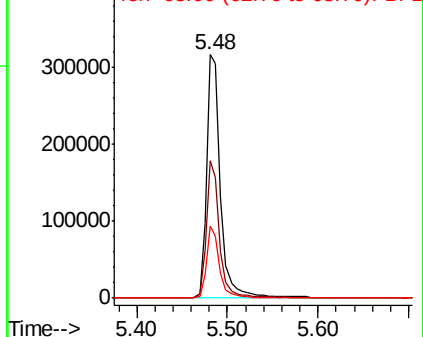


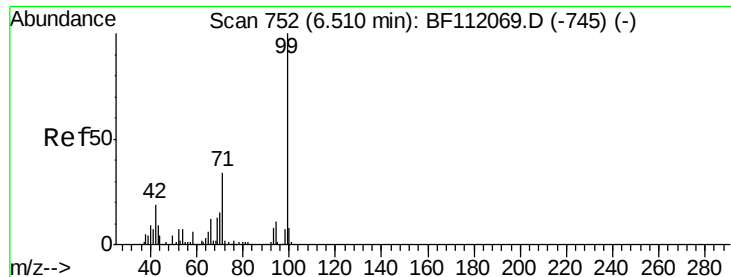
#5
 2-Fluorophenol
 Concen: 24.212 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: BF112147.D
 Acq: 19 Jan 2019 1:34

Tgt Ion:112 Resp: 345126
 Ion Ratio Lower Upper
 112 100
 64 56.4 45.7 68.5
 63 29.4 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: 24.472 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112147.D

Acq: 19 Jan 2019 1:34

Instrument :

BNA_F

ClientSampleId :

OR-03-011719-B

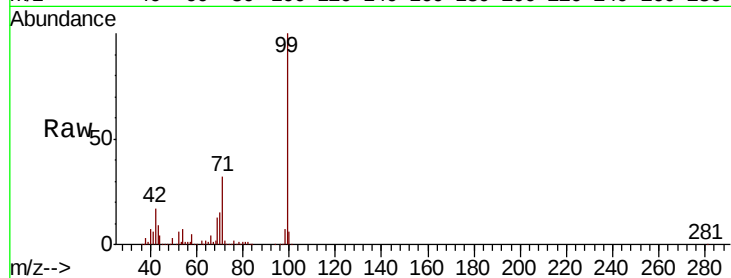
Tgt Ion: 99 Resp: 436431

Ion Ratio Lower Upper

99 100

42 17.2 15.1 22.7

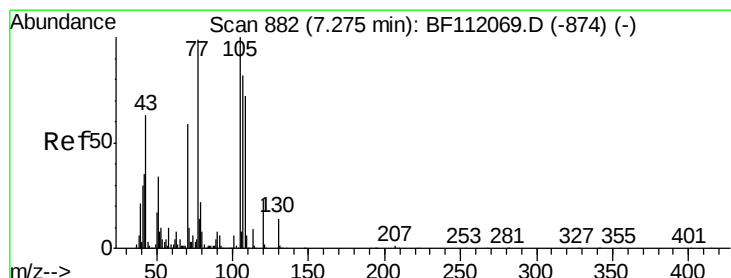
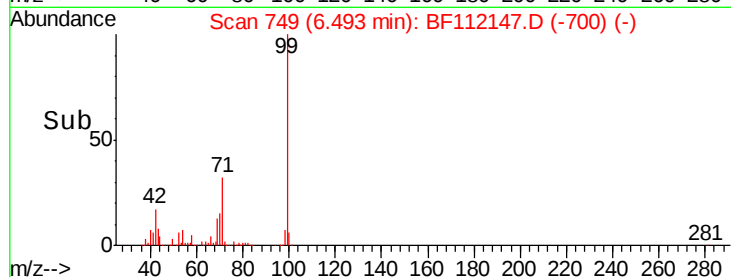
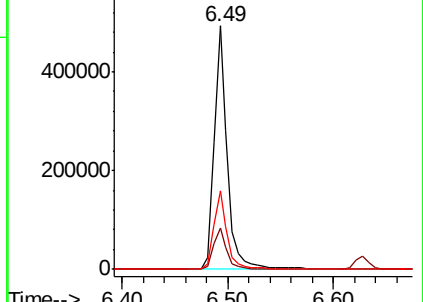
71 32.4 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.939 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF112147.D

Acq: 19 Jan 2019 1:34

Tgt Ion: 70 Resp: 31926

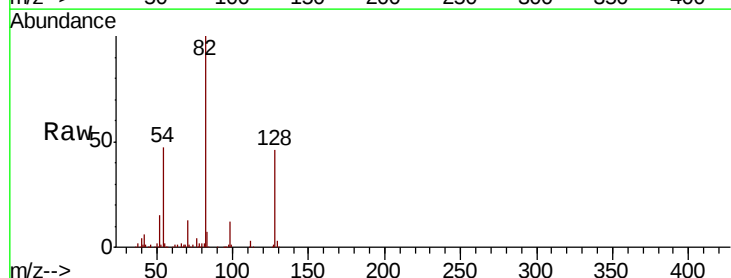
Ion Ratio Lower Upper

70 100

42 45.6 47.6 71.4#

101 0.0 7.9 11.9#

130 2.2 18.4 27.6#

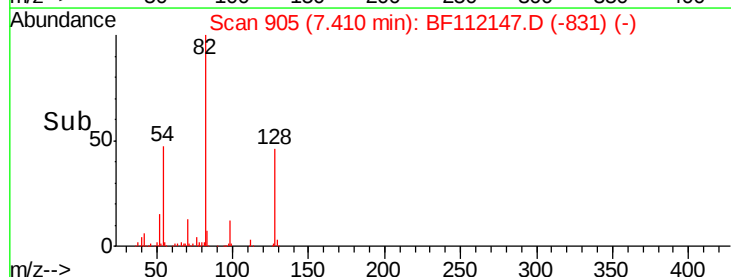
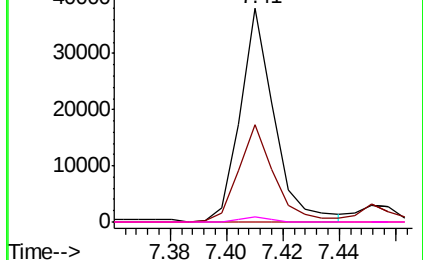


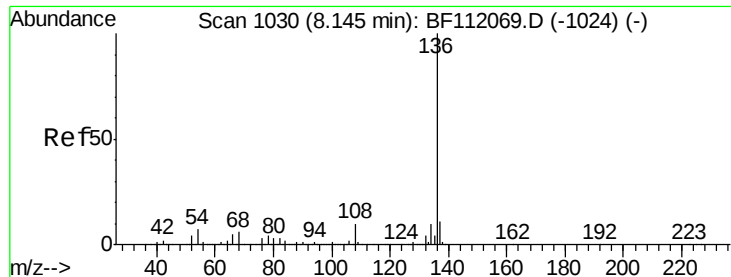
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

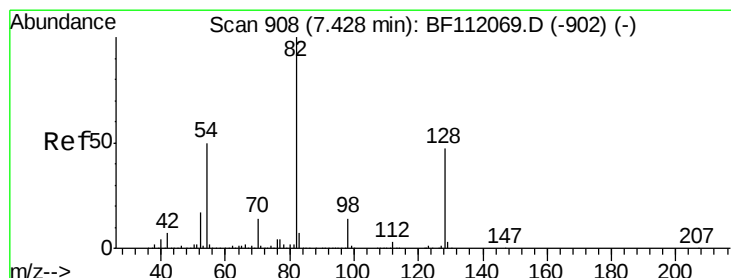
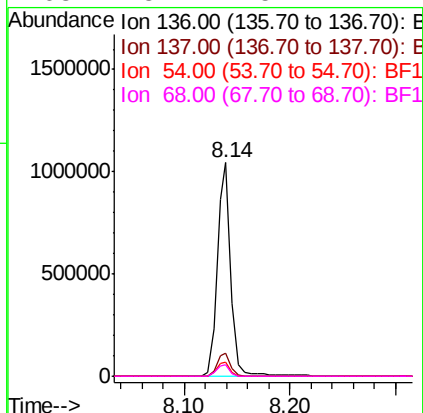
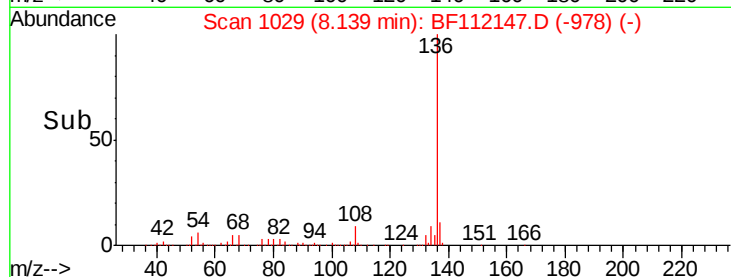
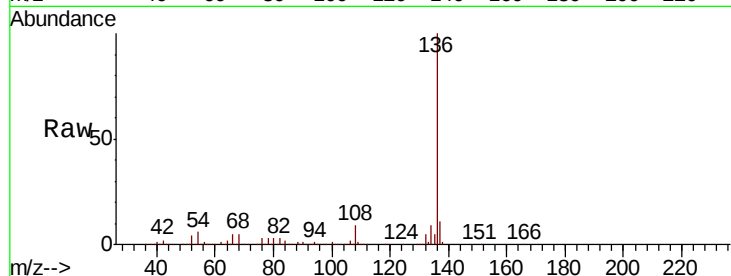




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

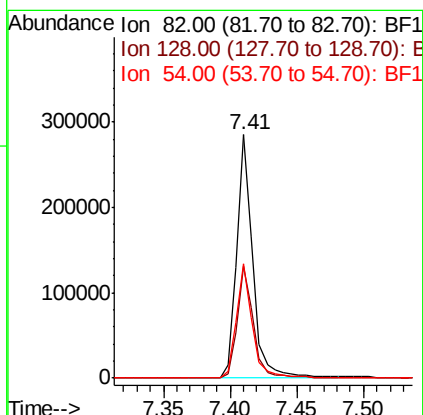
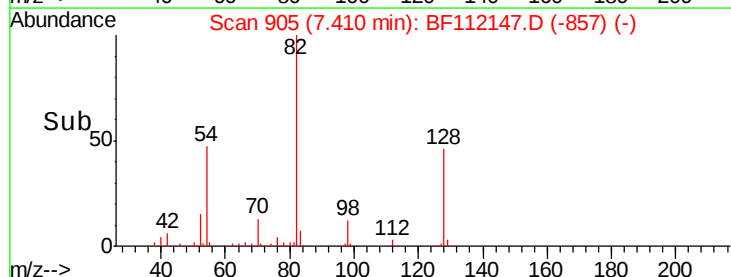
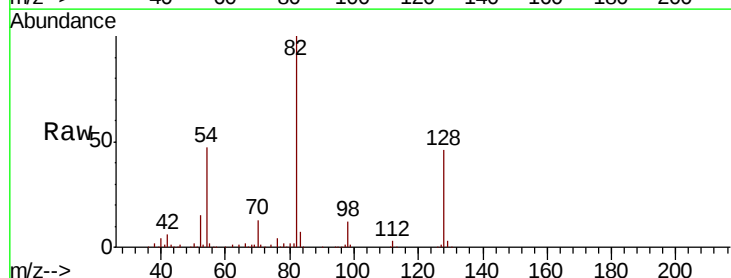
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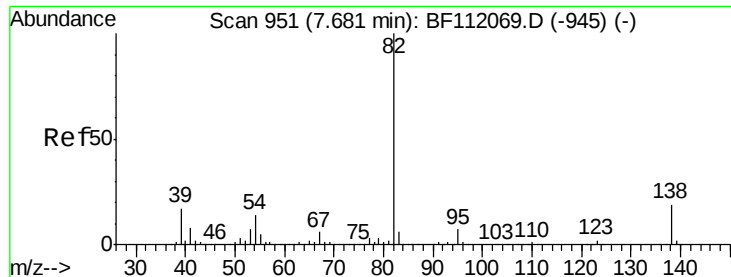
Tgt Ion:	136	Resp:	947403
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.4	5.9	8.9
68	5.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 17.672 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Tgt Ion:	82	Resp:	242336
Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.8	56.8
54	46.8	39.7	59.5

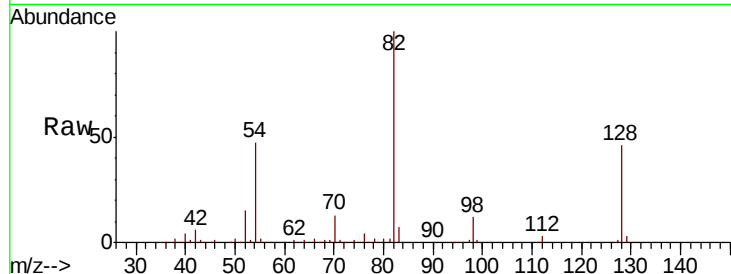




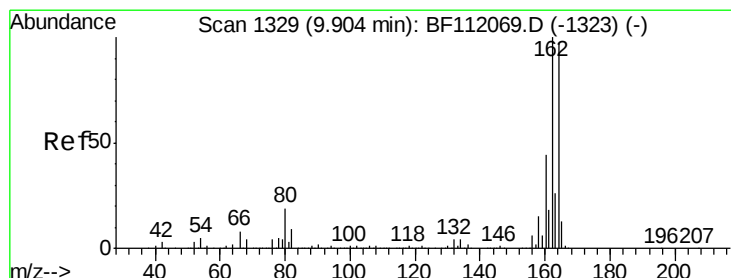
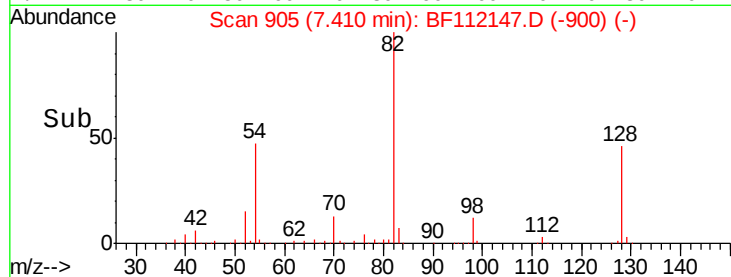
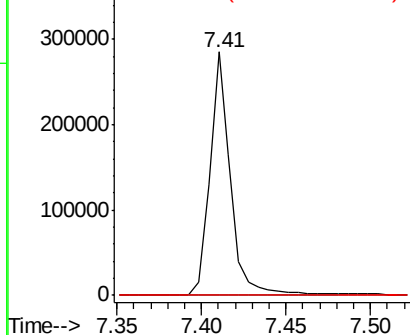
#25
Isophorone
Concen: 8.926 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.27 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

Tgt Ion: 82 Resp: 236410
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 15.4 23.0#

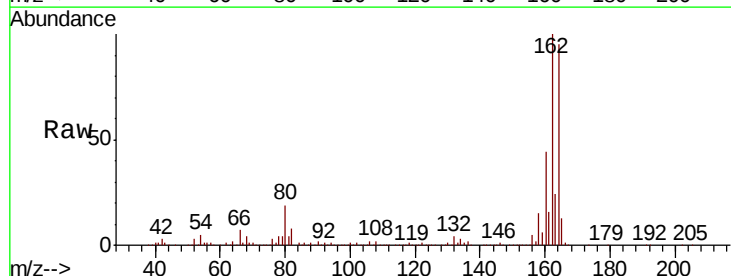


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E

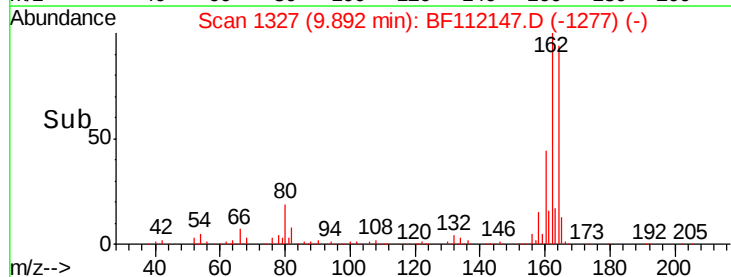
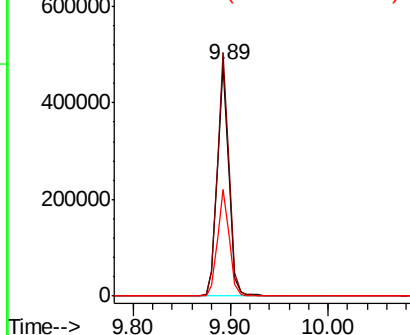


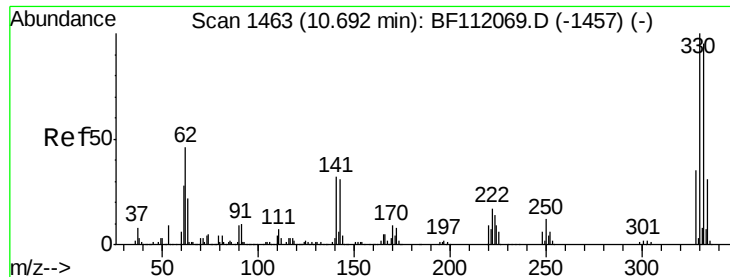
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Tgt Ion: 164 Resp: 394411
Ion Ratio Lower Upper
164 100
162 105.3 82.2 123.4
160 46.1 36.2 54.4



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

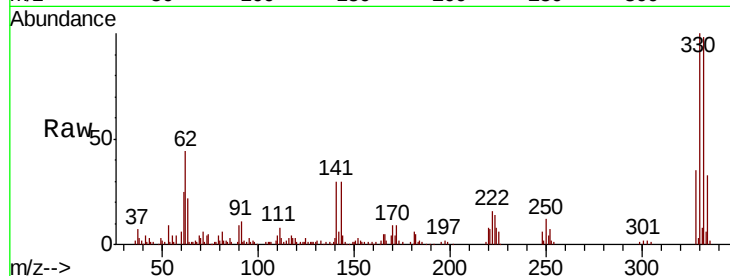




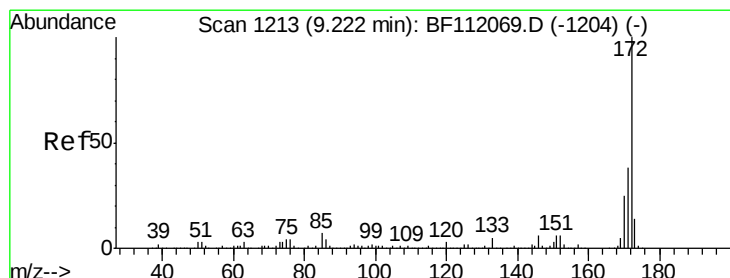
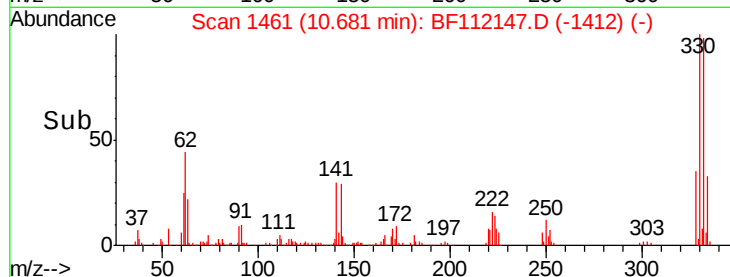
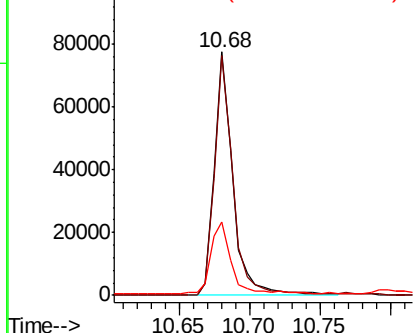
#42
 2,4,6-Tribromophenol
 Concen: 16.837 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112147.D
 Acq: 19 Jan 2019 1:34

Instrument :
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 ClientSampleId :
 OR-03-011719-B

Tgt Ion:330 Resp: 71639
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 114.8
 141 32.2 24.3 36.5

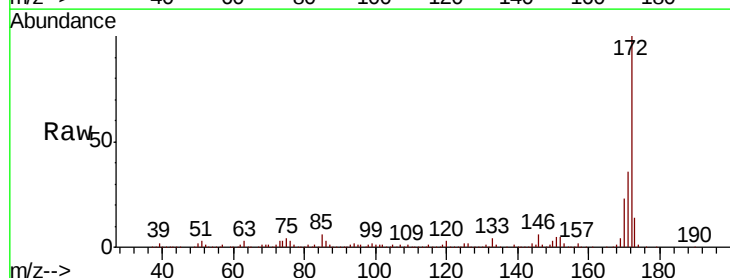


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

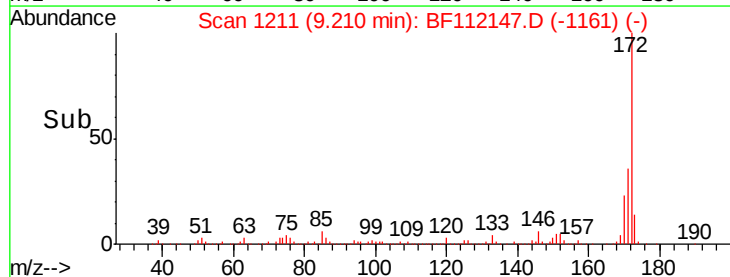
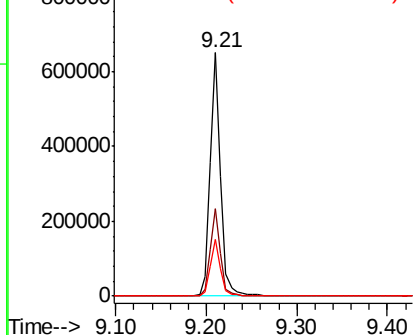


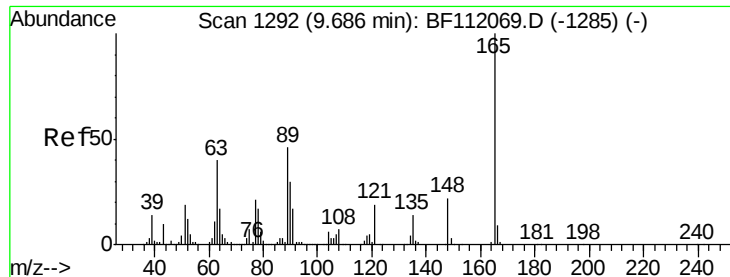
#45
 2-Fluorobiphenyl
 Concen: 19.866 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112147.D
 Acq: 19 Jan 2019 1:34

Tgt Ion:172 Resp: 534430
 Ion Ratio Lower Upper
 172 100
 171 35.7 30.5 45.7
 170 23.1 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

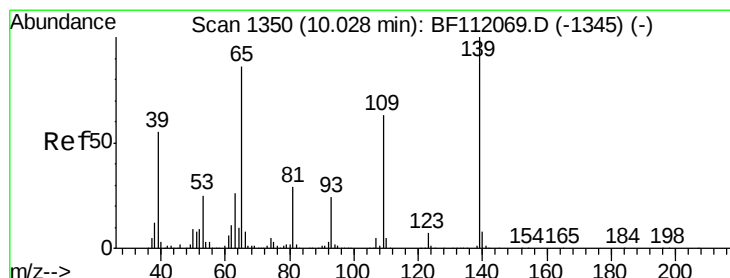
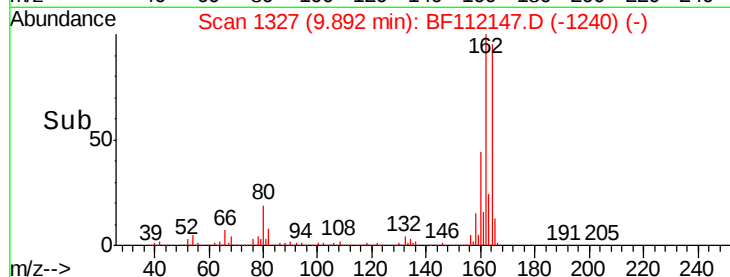
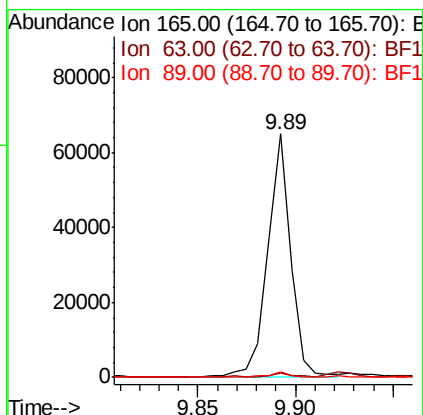
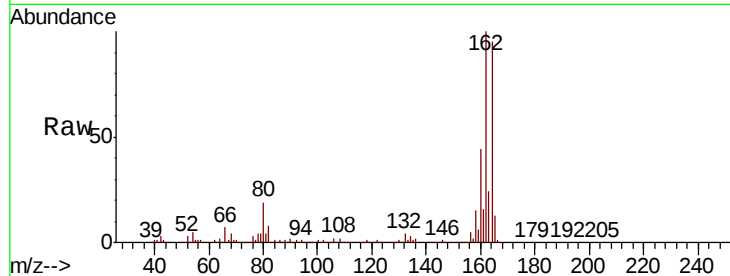




#51
 2,6-Dinitrotoluene
 Concen: 9.324 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF112147.D
 Acq: 19 Jan 2019 1:34

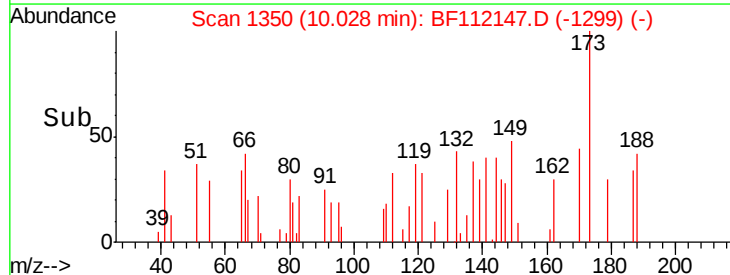
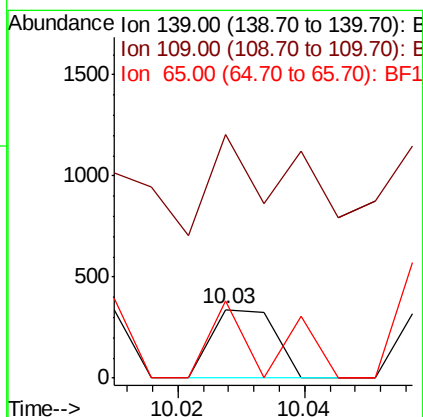
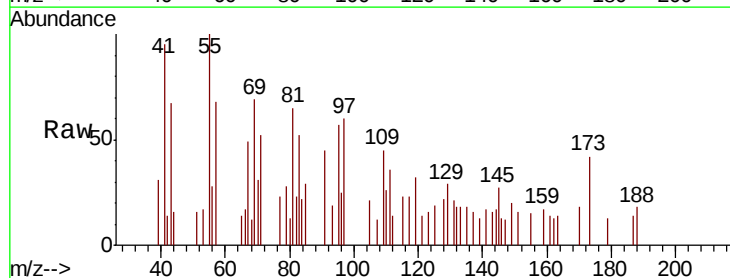
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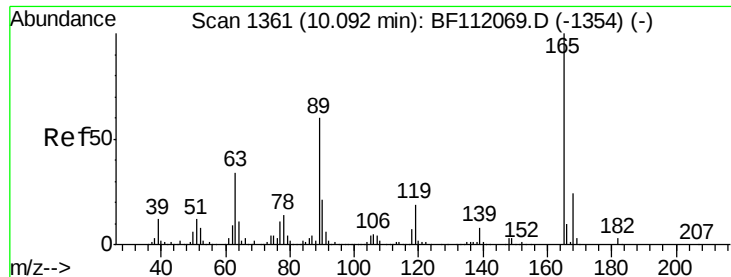
Tgt Ion:165 Resp: 53561
 Ion Ratio Lower Upper
 165 100
 63 1.7 33.8 50.8#
 89 2.1 36.9 55.3#



#56
 4-Nitrophenol
 Concen: 5.702 ng
 RT: 10.03 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: BF112147.D
 Acq: 19 Jan 2019 1:34

Tgt Ion:139 Resp: 235
 Ion Ratio Lower Upper
 139 100
 109 356.2 42.8 82.8#
 65 113.3 66.1 106.1#

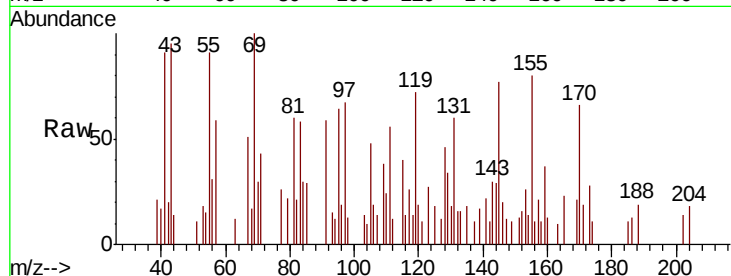




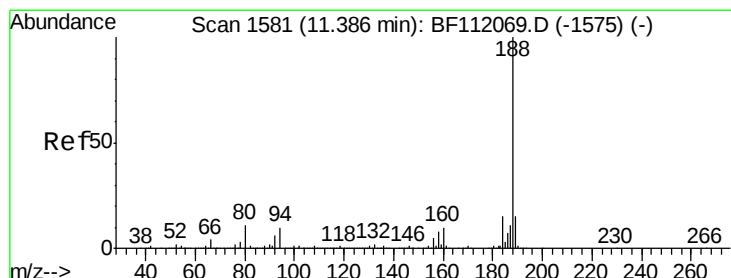
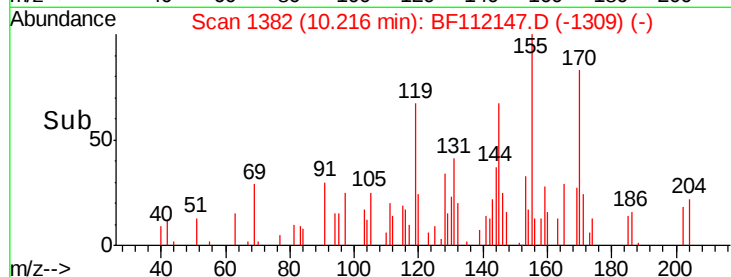
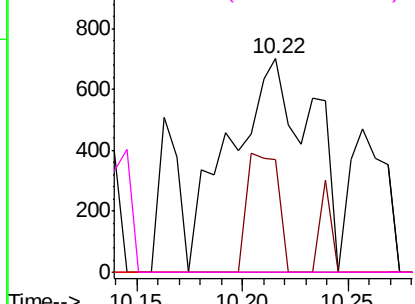
#57
2,4-Dinitrotoluene
Concen: 4.813 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.13 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

Tgt Ion:165 Resp: 1887
Ion Ratio Lower Upper
165 100
63 52.5 27.9 41.9#
89 0.0 47.9 71.9#
182 0.0 2.2 3.4#

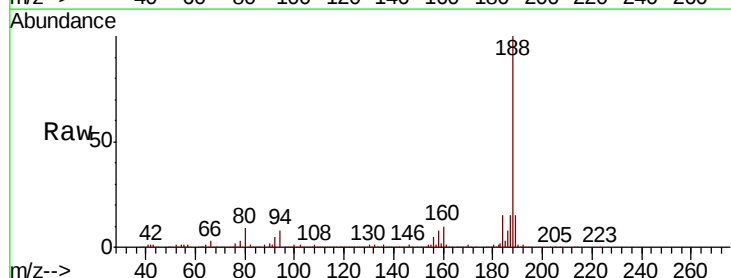


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

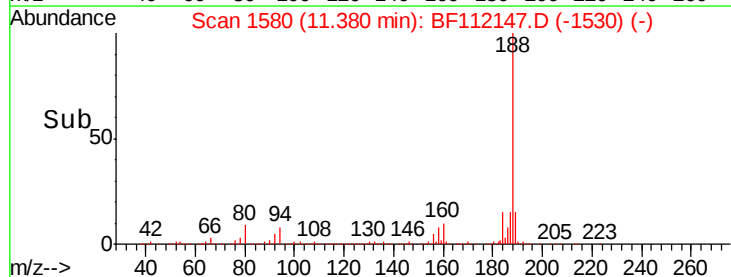
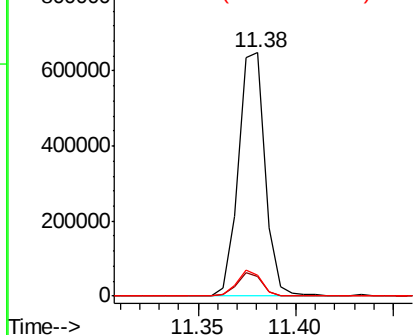


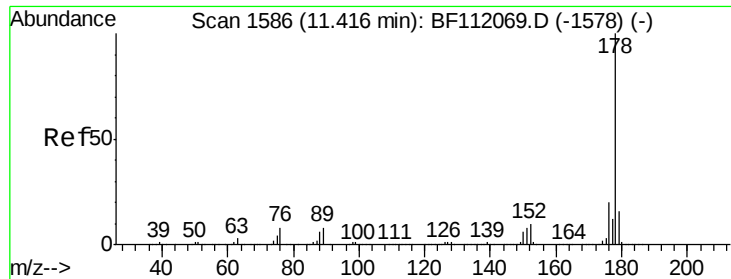
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Tgt Ion:188 Resp: 617917
Ion Ratio Lower Upper
188 100
94 8.1 8.2 12.2#
80 8.7 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

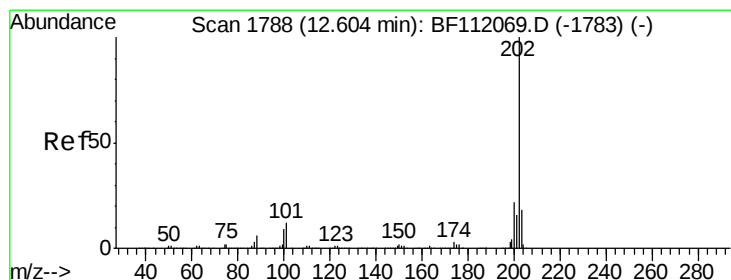
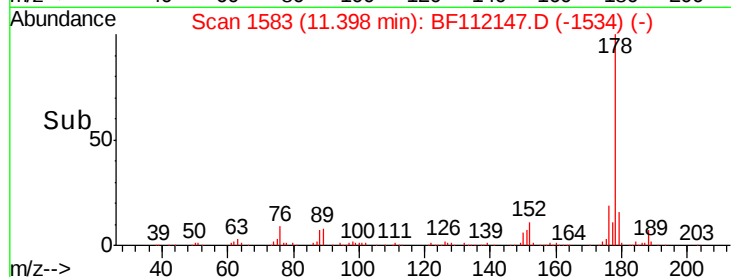
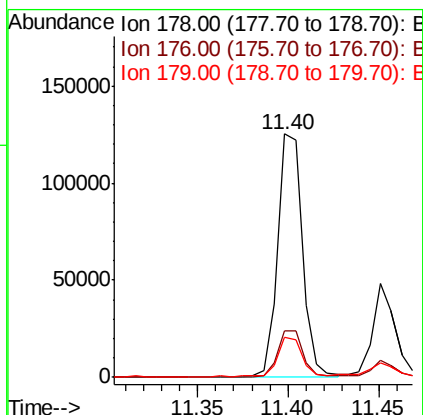
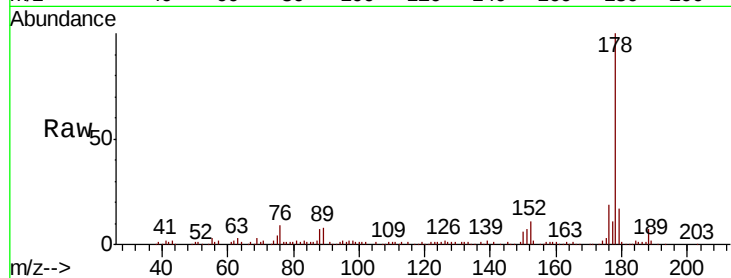




#71
Phenanthrene
Concen: 3.855 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

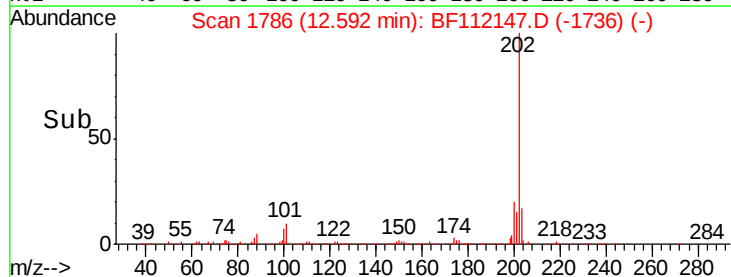
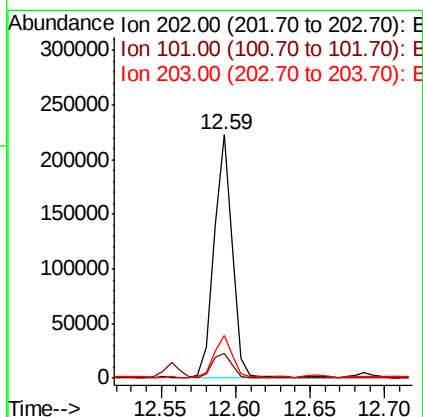
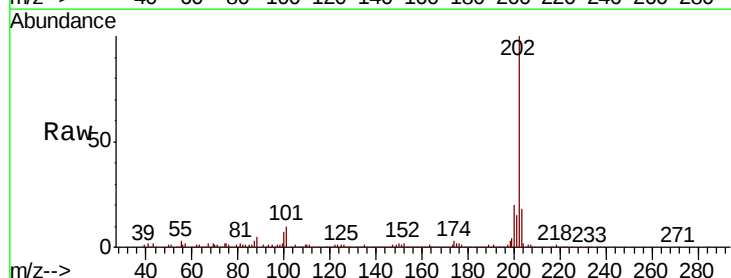
Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

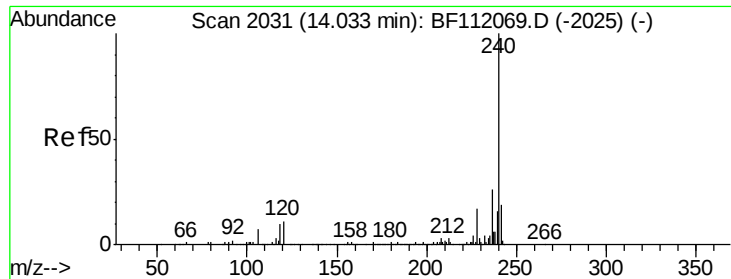
Tgt Ion:178 Resp: 119877
Ion Ratio Lower Upper
178 100
176 18.9 16.3 24.5
179 16.5 13.0 19.4



#75
Fluoranthene
Concen: 5.701 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Tgt Ion:202 Resp: 187184
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.8
203 17.7 0.0 38.4

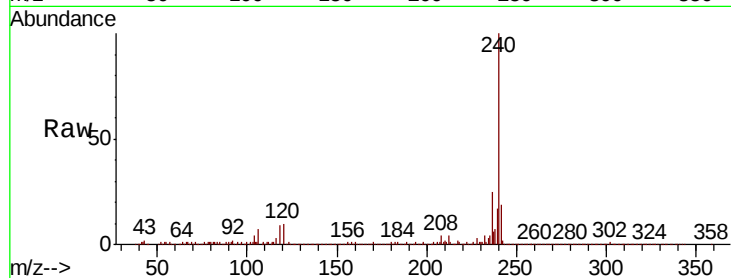




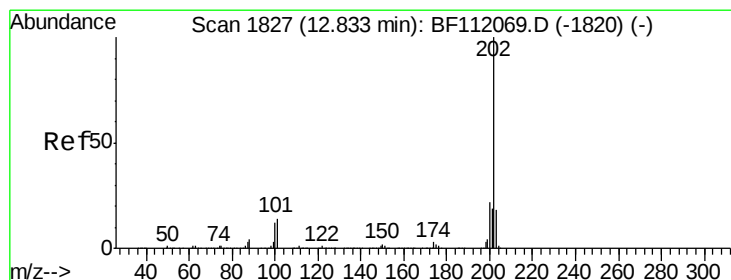
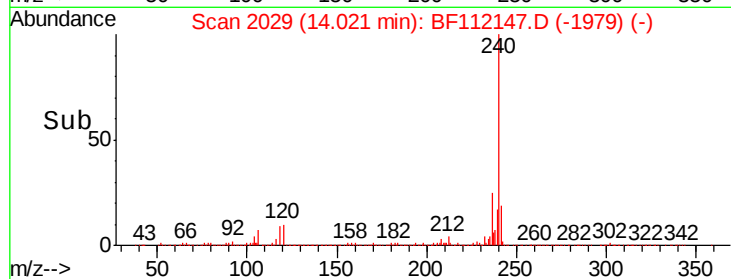
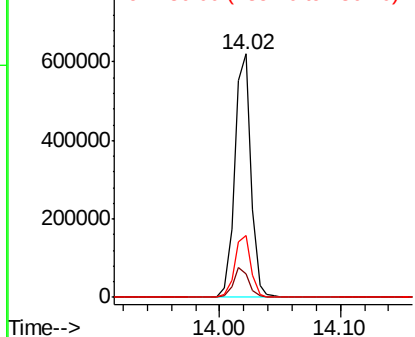
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

Tgt Ion:240 Resp: 580922
Ion Ratio Lower Upper
240 100
120 9.8 9.0 13.6
236 25.4 20.7 31.1

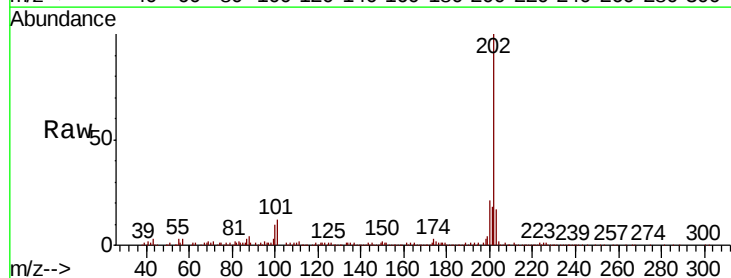


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

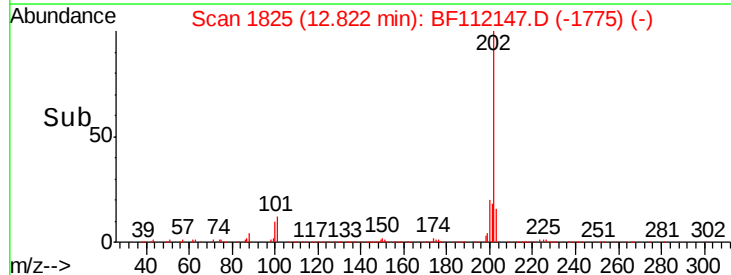
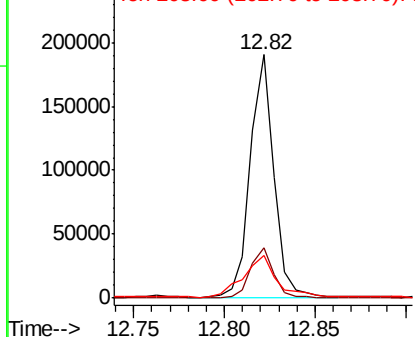


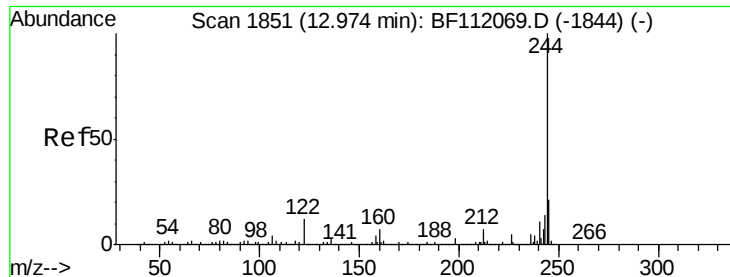
#78
Pyrene
Concen: 4.478 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Tgt Ion:202 Resp: 171619
Ion Ratio Lower Upper
202 100
200 20.6 17.7 26.5
203 17.3 14.6 22.0



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





#79

Terphenyl-d14

Concen: 15.839 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF112147.D

Acq: 19 Jan 2019 1:34

Instrument :

BNA_F

ClientSampleId :

OR-03-011719-B

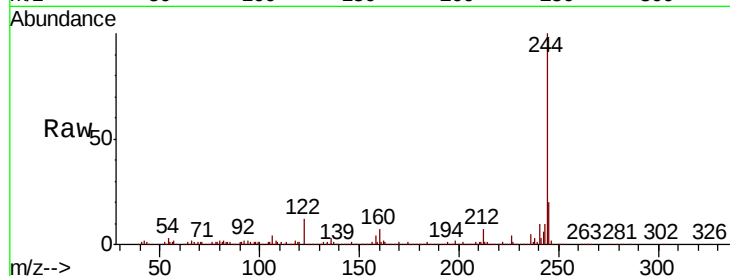
Tgt Ion:244 Resp: 432528

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

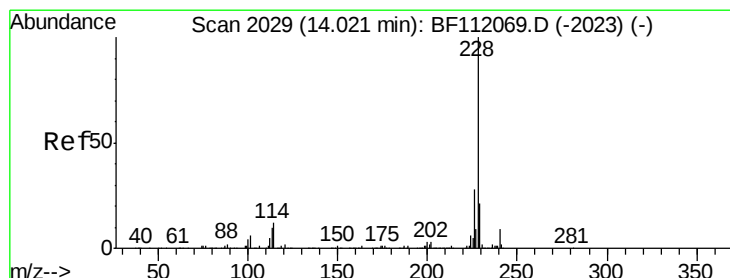
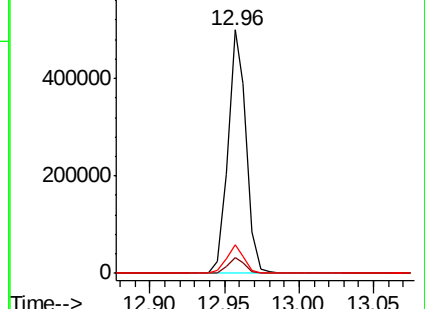
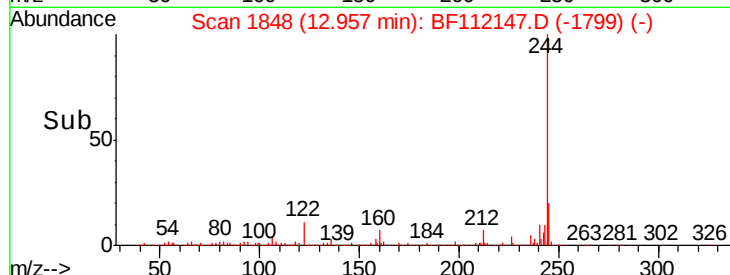
122 11.5 9.8 14.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.893 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF112147.D

Acq: 19 Jan 2019 1:34

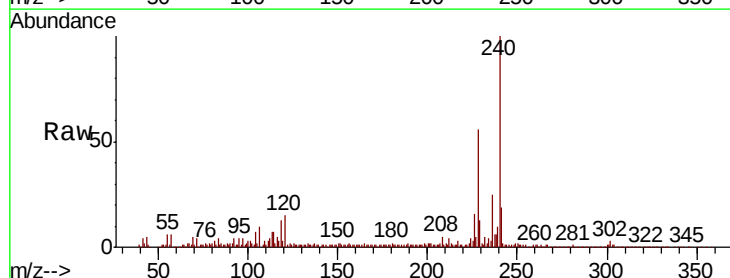
Tgt Ion:228 Resp: 96357

Ion Ratio Lower Upper

228 100

226 28.7 22.6 34.0

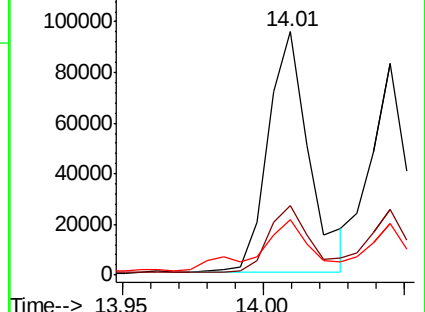
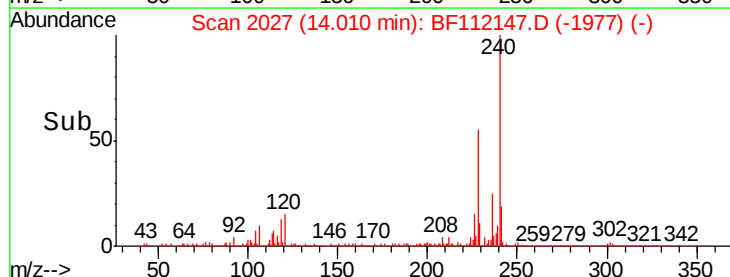
229 22.5 16.5 24.7

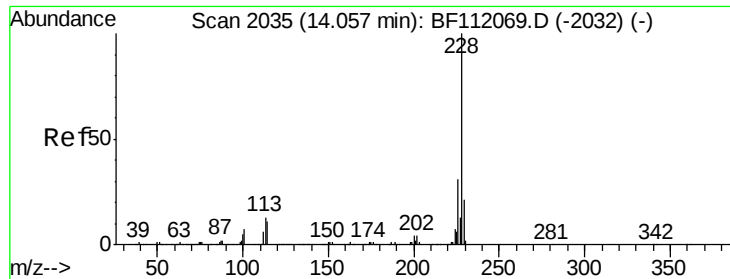


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.310 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF112147.D

Acq: 19 Jan 2019 1:34

Instrument :

BNA_F

ClientSampleId :

OR-03-011719-B

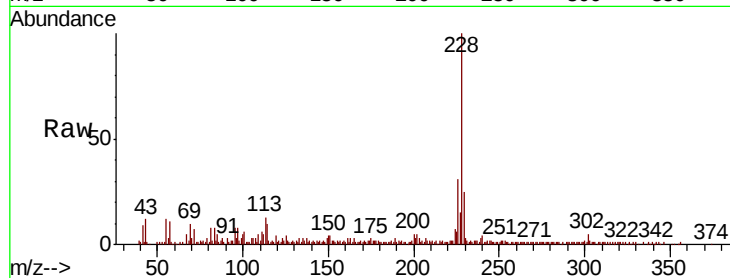
Tgt Ion:228 Resp: 72800

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

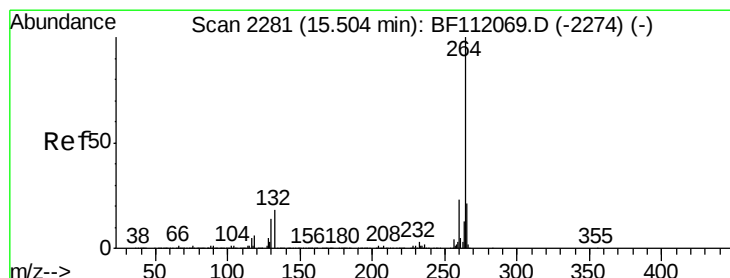
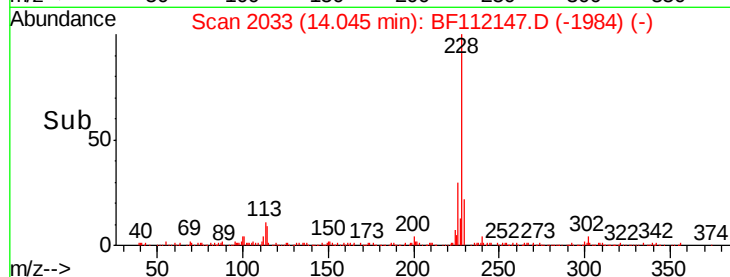
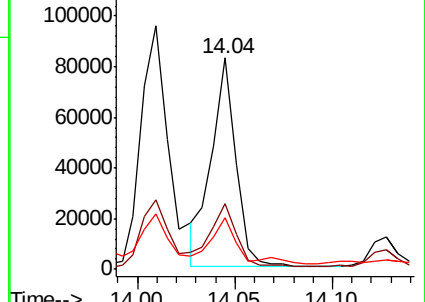
229 24.7 16.6 24.8



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: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF112147.D

Acq: 19 Jan 2019 1:34

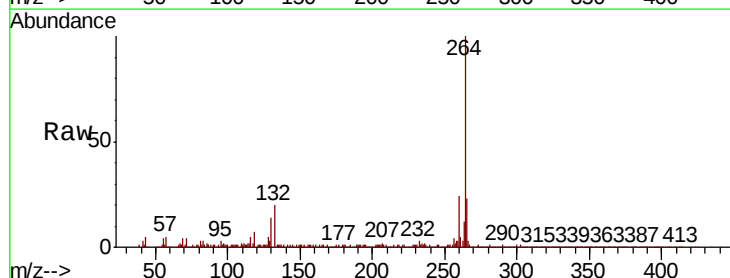
Tgt Ion:264 Resp: 486100

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.2

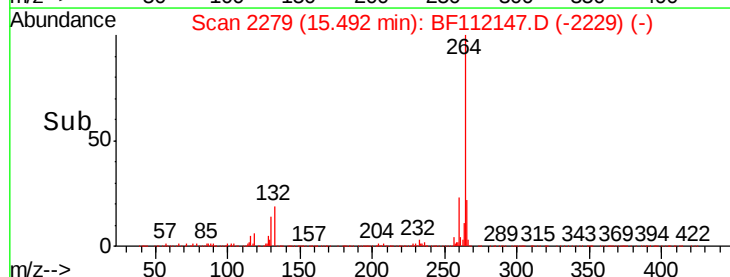
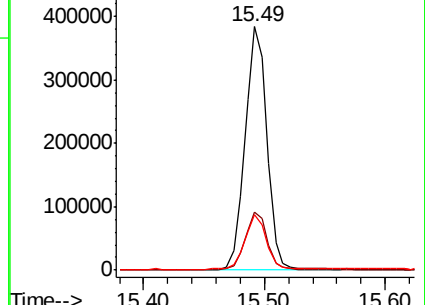
265 22.7 17.0 25.4

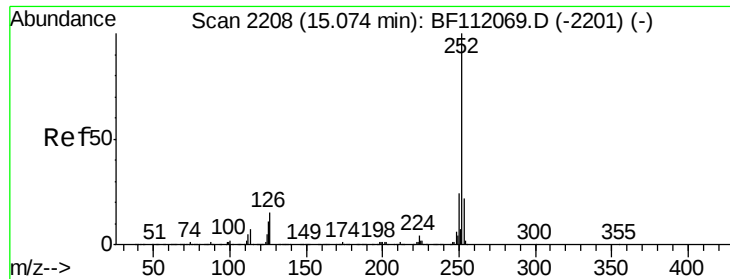


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

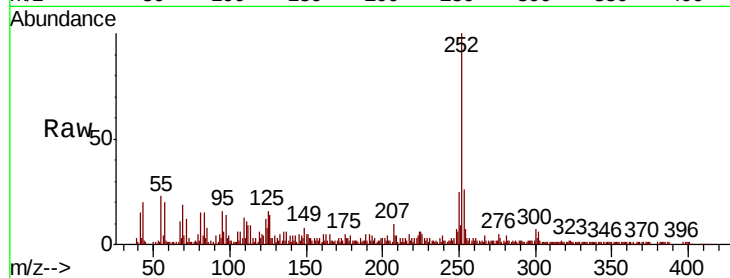




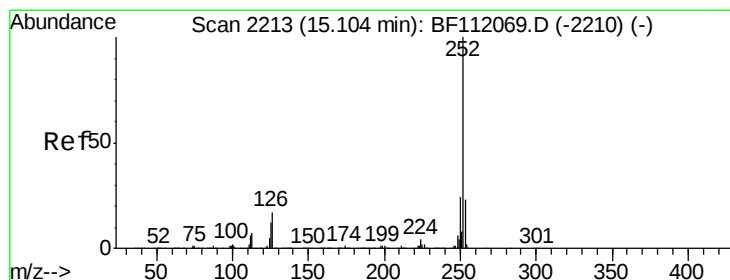
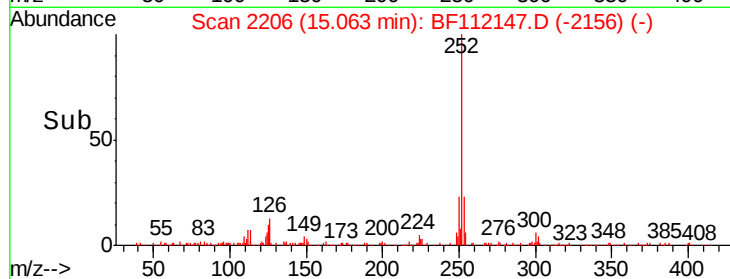
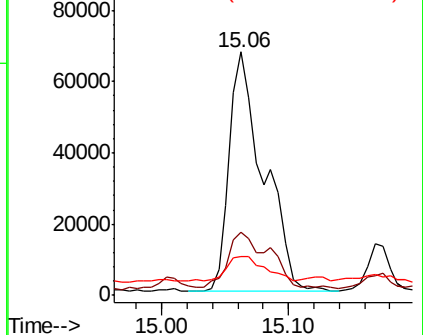
#88
Benzo(b)fluoranthene
Concen: 4.566 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.0	27.0
125	16.0	8.7	13.1#

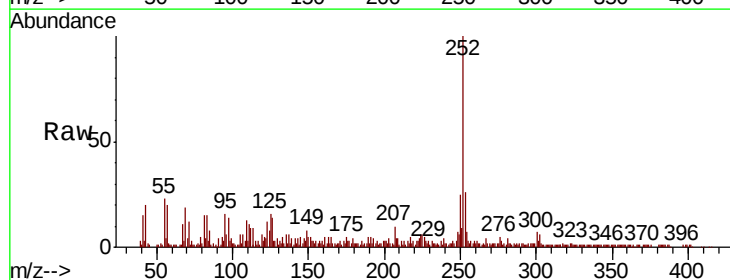


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

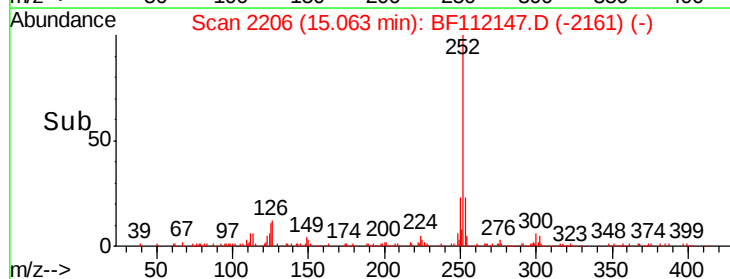
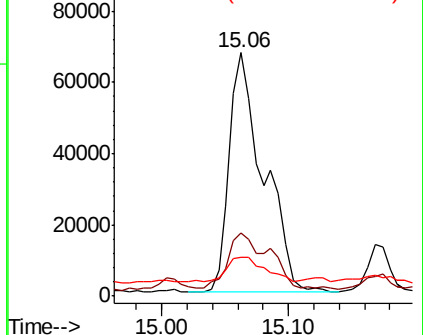


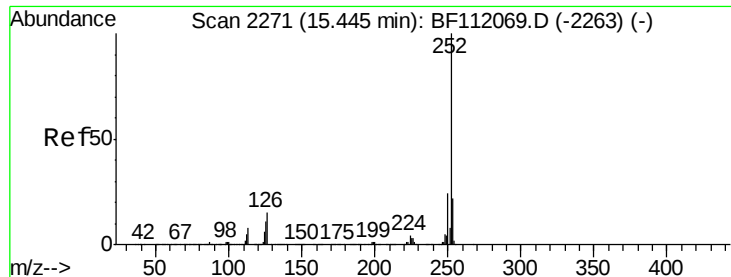
#89
Benzo(k)fluoranthene
Concen: 4.717 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF112147.D
Acq: 19 Jan 2019 1:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.0	27.0
125	16.0	9.1	13.7#



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: 2.675 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF112147.D

Acq: 19 Jan 2019 1:34

Instrument :

BNA_F

ClientSampleId :

OR-03-011719-B

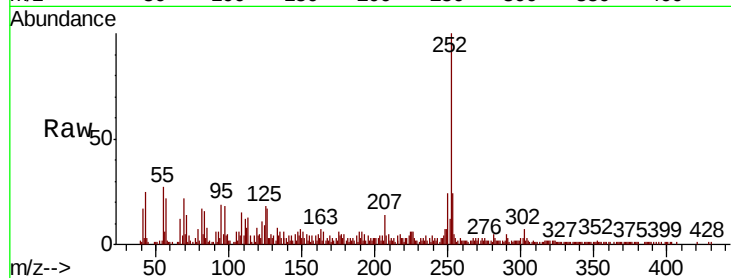
Tgt Ion: 252 Resp: 67698

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 18.0 9.0 13.4#



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

