

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021519\
 Data File : BF112585.D
 Acq On : 15 Feb 2019 18:14
 Operator : JU/SJ
 Sample : K1484-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-2-S

Quant Time: Feb 15 23:44:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	84838	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	336879	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	175459	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	362821	20.00	ng	0.00
76) Chrysene-d12	14.01	240	306643	20.00	ng	0.00
87) Perylene-d12	15.49	264	260227	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	450046	112.68	ng	-0.01
7) Phenol-d6	6.48	99	569008	102.52	ng	-0.01
23) Nitrobenzene-d5	7.39	82	363265	62.13	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	211298	103.46	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	771157	62.16	ng	-0.02
79) Terphenyl-d14	12.94	244	961330	59.05	ng	0.00

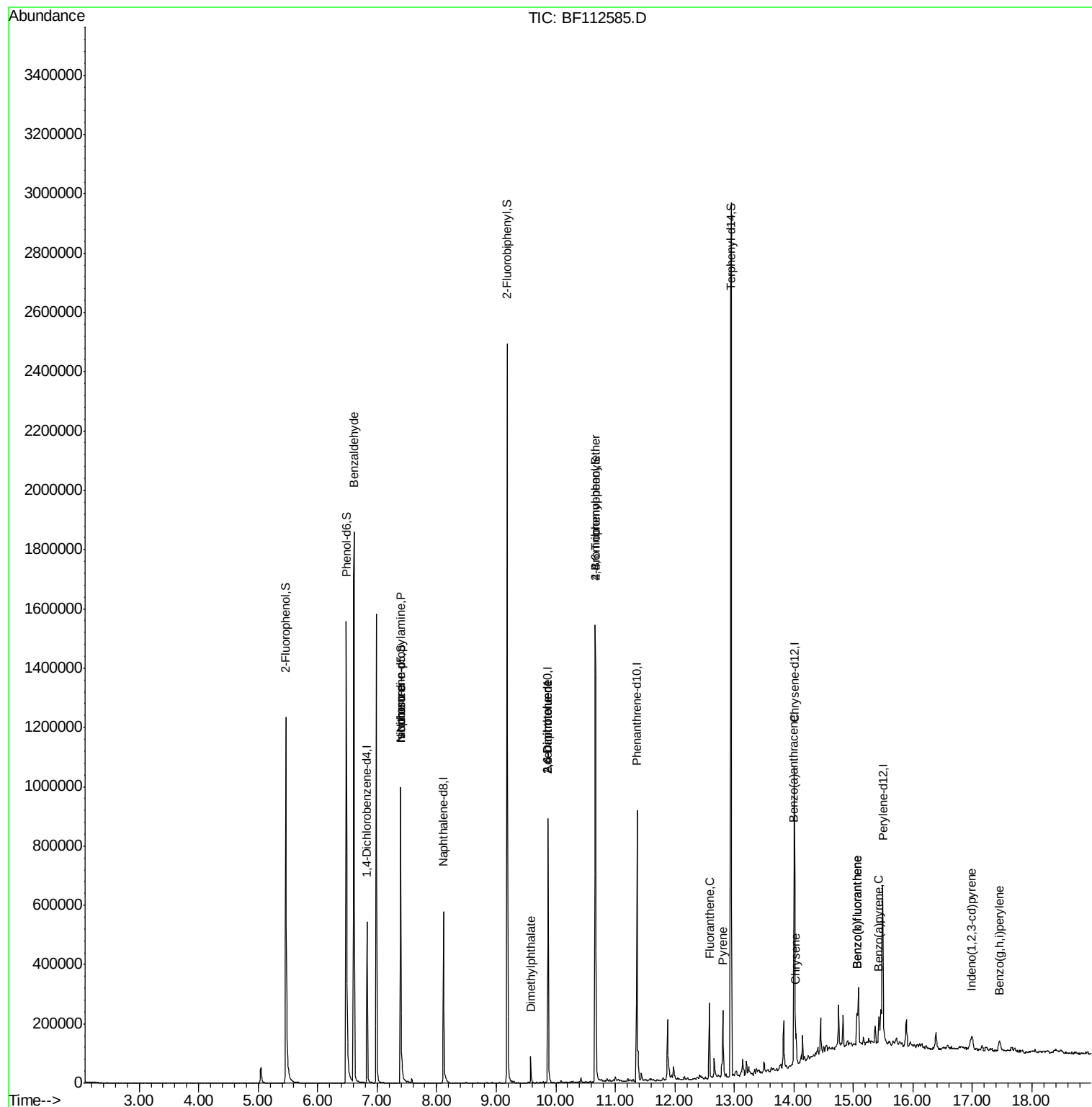
Target Compounds				Qvalue		
9) Benzaldehyde	6.61	77	11755	4.052	ng	85
19) n-Nitroso-di-n-propylamine	7.39	70	48480	12.668	ng	# 74
25) Isophorone	7.39	82	363263	39.605	ng	# 63
50) Dimethylphthalate	9.58	163	37990	2.787	ng	97
51) 2,6-Dinitrotoluene	9.87	165	22722	7.442	ng	# 33
57) 2,4-Dinitrotoluene	9.87	165	22722	5.846	ng	# 31
67) 4-Bromophenyl-phenylether	10.67	248	12619	2.957	ng	# 1
75) Fluoranthene	12.58	202	96369	4.763	ng	97
78) Pyrene	12.81	202	90380	4.257	ng	96
81) Benzo(a)anthracene	14.00	228	51337	2.848	ng	99
83) Chrysene	14.04	228	44224	2.570	ng	96
86) Indeno(1,2,3-cd)pyrene	16.99	276	29193	2.141	ng	96
88) Benzo(b)fluoranthene	15.06	252	80636	5.181	ng	# 94
89) Benzo(k)fluoranthene	15.06	252	80636	5.409	ng	# 94
90) Benzo(a)pyrene	15.43	252	43029	3.073	ng	# 95
92) Benzo(g,h,i)perylene	17.46	276	28162	2.645	ng	98

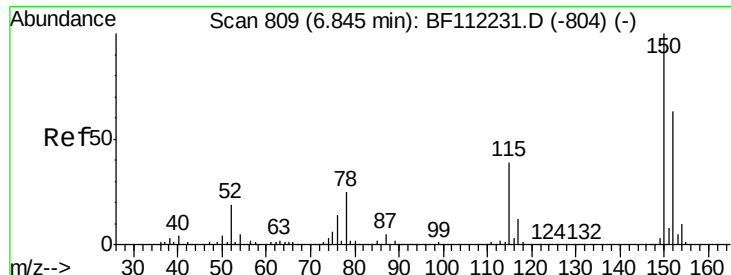
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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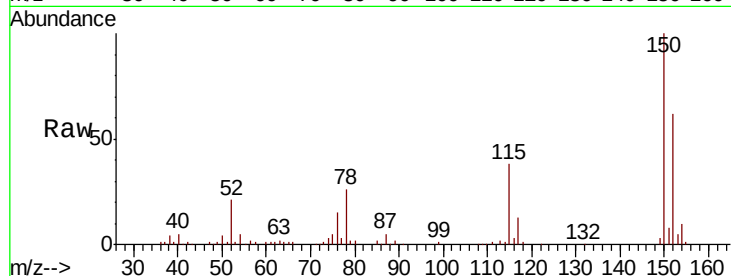


#1

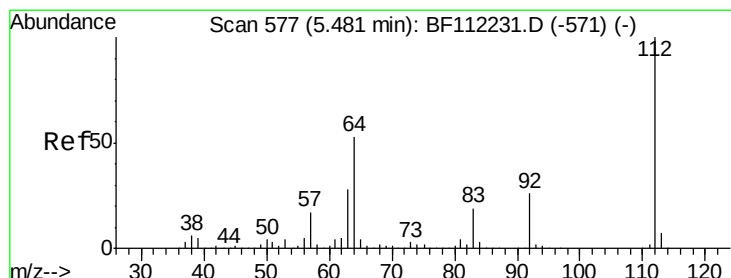
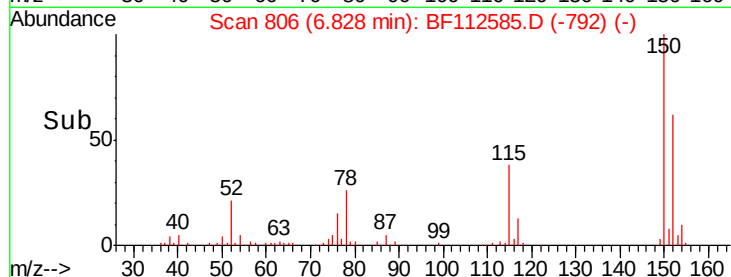
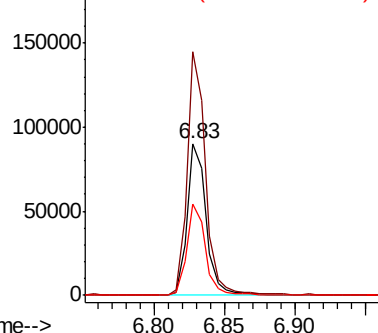
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF112585.D
Acq: 15 Feb 2019 18:14

Instrument :
BNA_F
ClientSampleId :
M-2-S

Tgt Ion:152 Resp: 84838
Ion Ratio Lower Upper
152 100
150 160.6 127.4 191.0
115 60.6 45.5 68.3



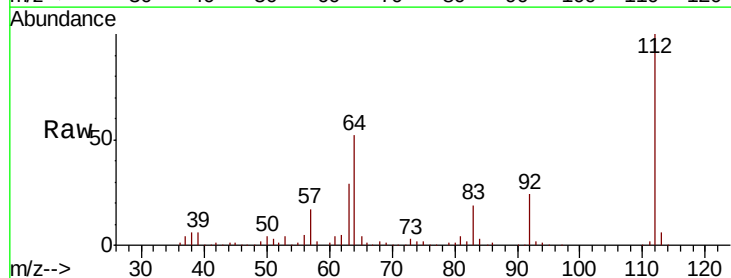
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



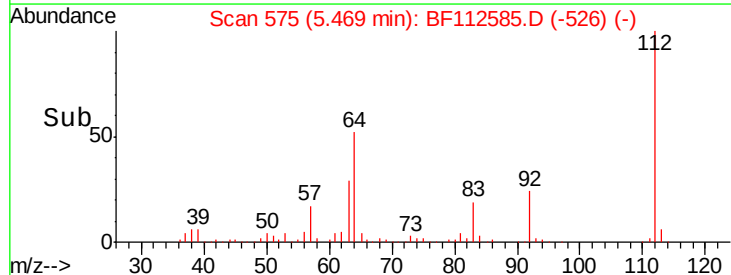
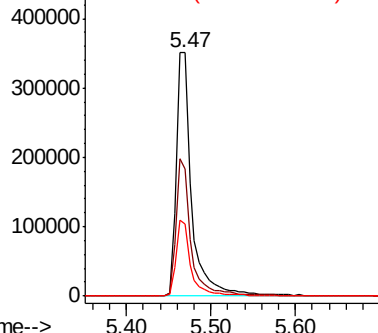
#5

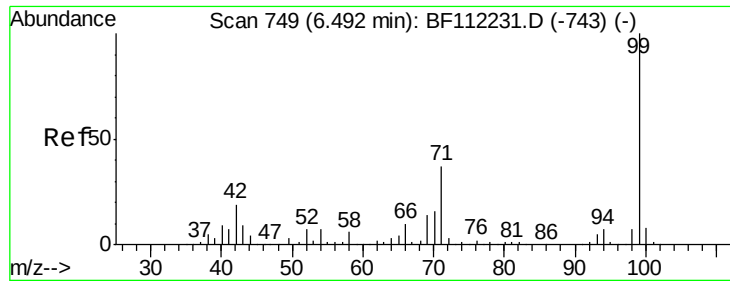
2-Fluorophenol
Concen: 112.677 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112585.D
Acq: 15 Feb 2019 18:14

Tgt Ion:112 Resp: 450046
Ion Ratio Lower Upper
112 100
64 52.3 45.7 68.5
63 29.5 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: 102.523 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112585.D

Acq: 15 Feb 2019 18:14

Instrument :

BNA_F

ClientSampleId :

M-2-S

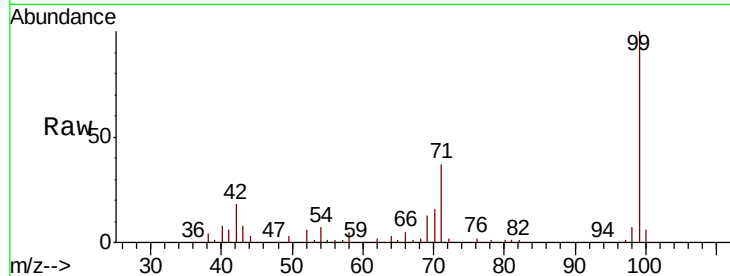
Tgt Ion: 99 Resp: 569008

Ion Ratio Lower Upper

99 100

42 18.4 15.1 22.7

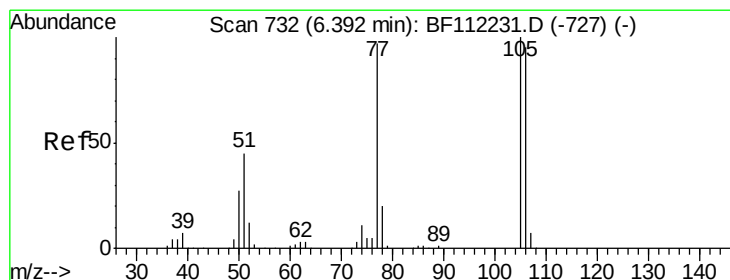
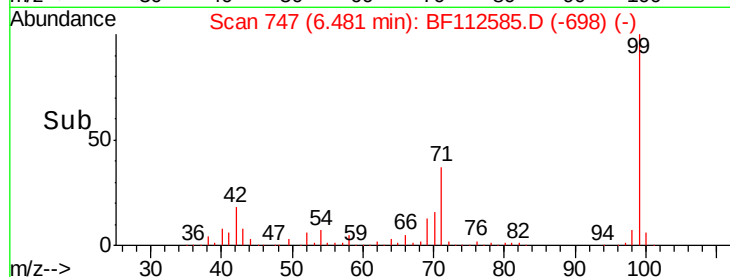
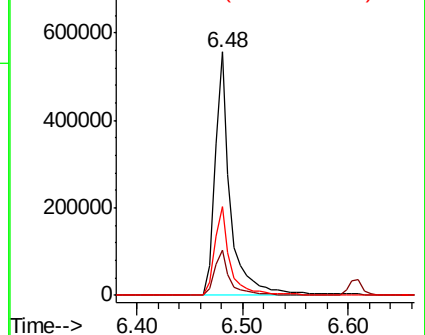
71 36.6 26.9 40.3



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



#9

Benzaldehyde

Concen: 4.052 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.22 min

Lab File: BF112585.D

Acq: 15 Feb 2019 18:14

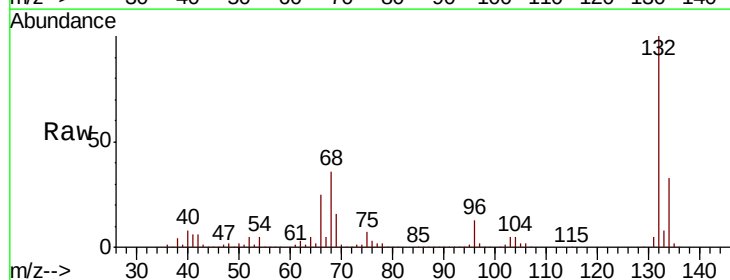
Tgt Ion: 77 Resp: 11755

Ion Ratio Lower Upper

77 100

105 87.9 80.8 120.8

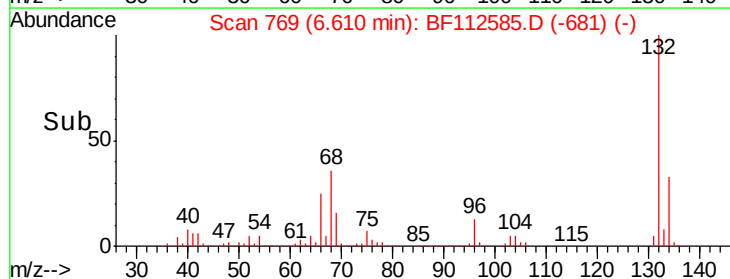
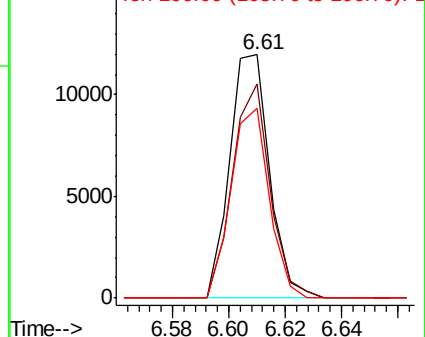
106 77.9 75.7 115.7

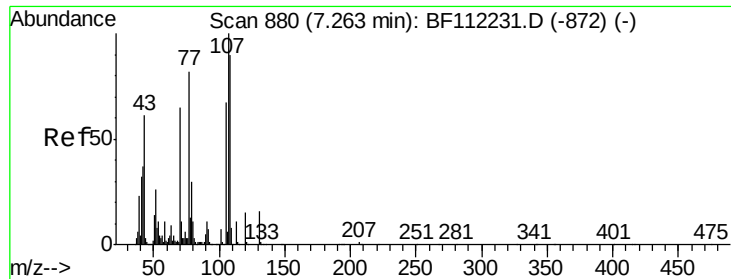


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

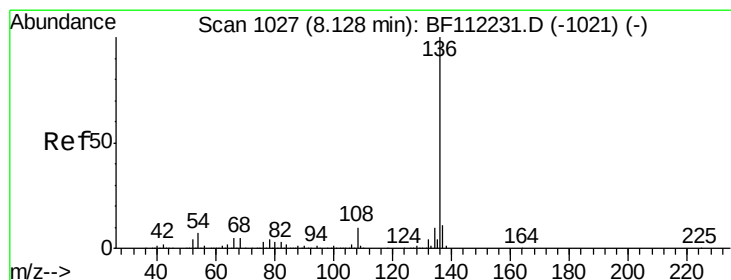
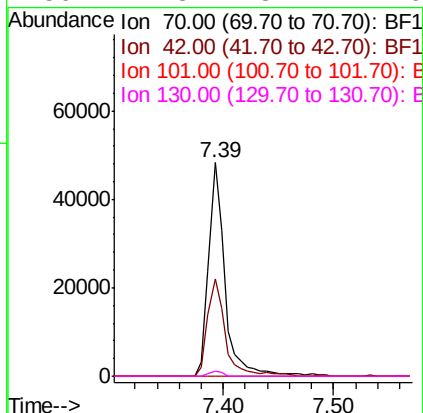
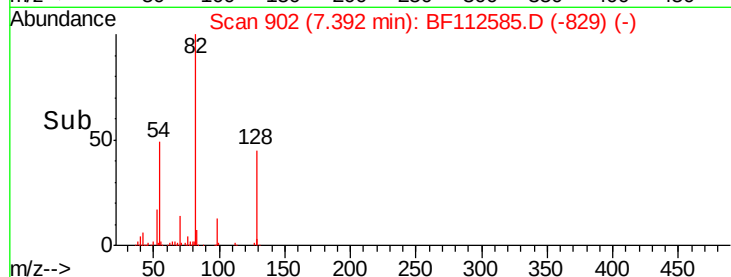
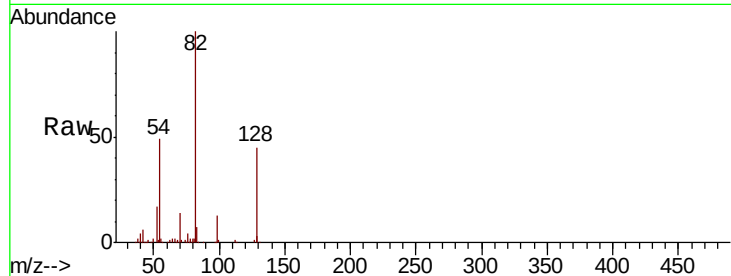




#19
n-Nitroso-di-n-propylamine
Concen: 12.668 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.13 min
Lab File: BF112585.D
Acq: 15 Feb 2019 18:14

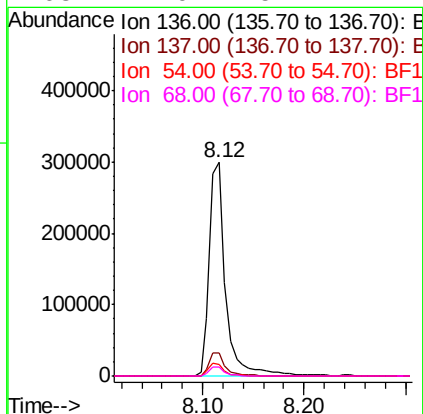
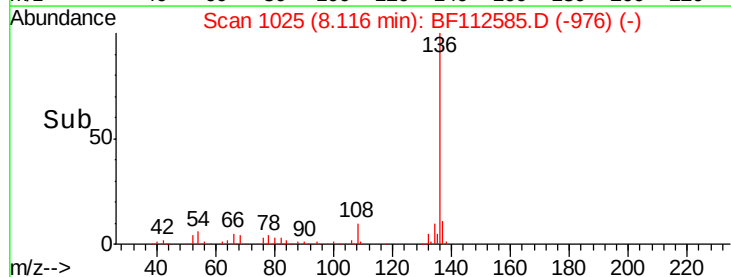
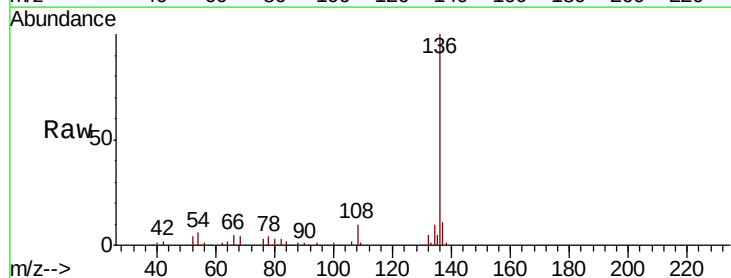
Instrument :
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ClientSampleId :
M-2-S

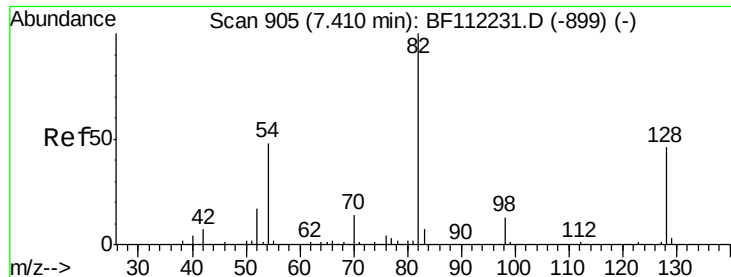
Tgt Ion: 70 Resp: 48480
Ion Ratio Lower Upper
70 100
42 45.3 47.6 71.4#
101 0.0 7.9 11.9#
130 2.3 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112585.D
Acq: 15 Feb 2019 18:14

Tgt Ion: 136 Resp: 336879
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 5.7 5.9 8.9#
68 4.0 5.1 7.7#

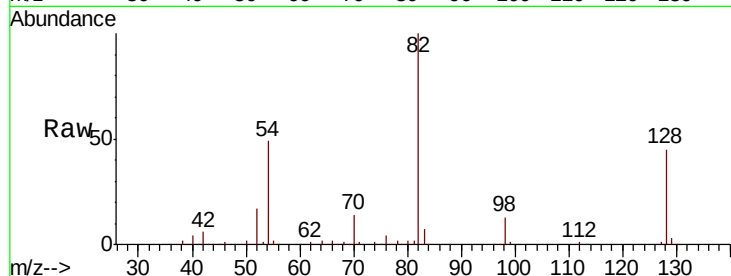




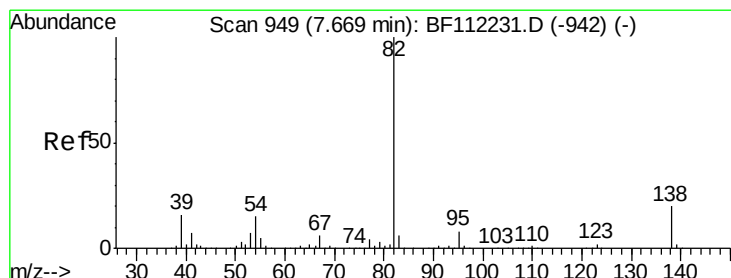
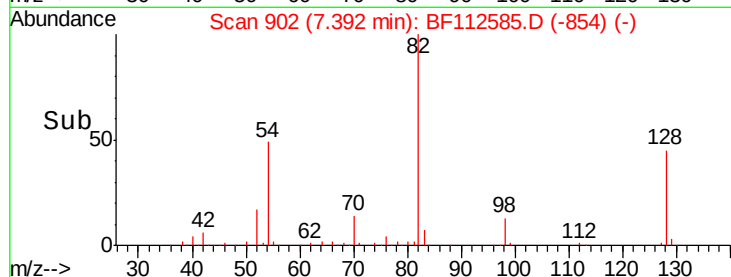
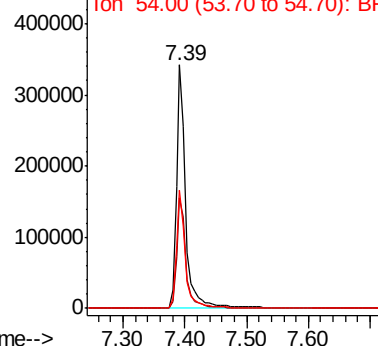
#23
 Nitrobenzene-d5
 Concen: 62.133 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.02 min
 Lab File: BF112585.D
 Acq: 15 Feb 2019 18:14

Instrument :
 BNA_F
 ClientSampled :
 M-2-S

Tgt Ion: 82 Resp: 363265
 Ion Ratio Lower Upper
 82 100
 128 45.2 37.8 56.8
 54 48.5 39.7 59.5

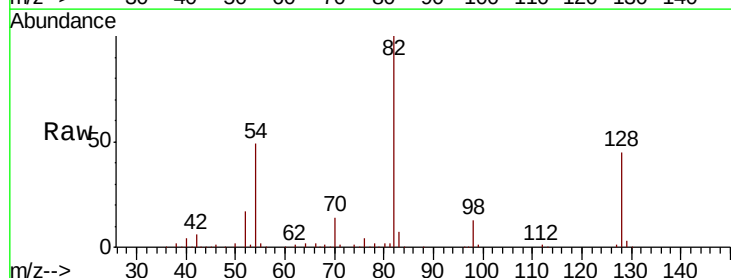


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

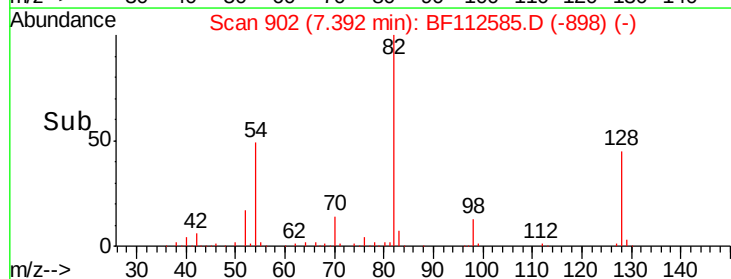
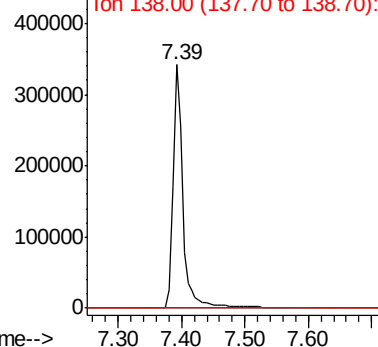


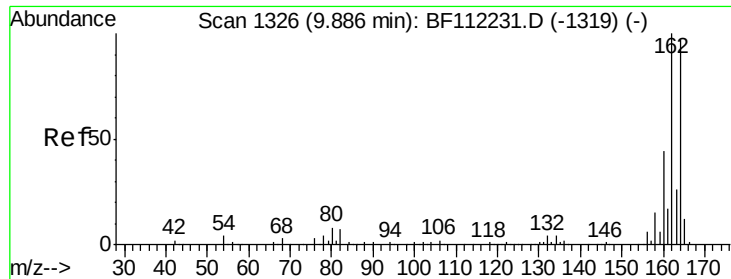
#25
 Isophorone
 Concen: 39.605 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.28 min
 Lab File: BF112585.D
 Acq: 15 Feb 2019 18:14

Tgt Ion: 82 Resp: 363263
 Ion Ratio Lower Upper
 82 100
 95 0.0 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): BF1

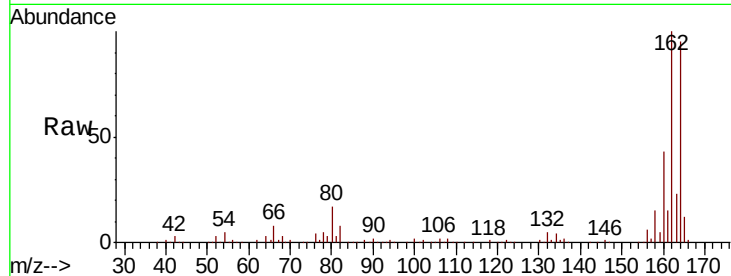




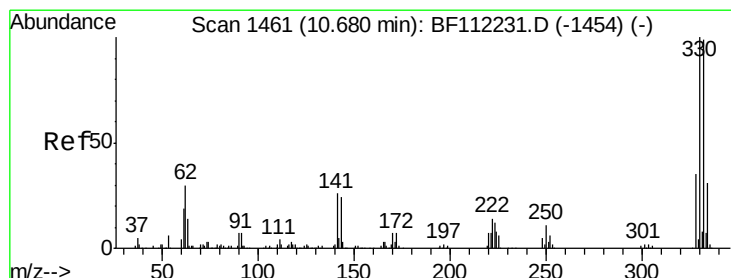
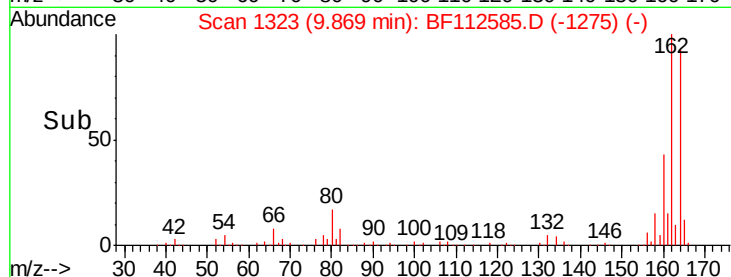
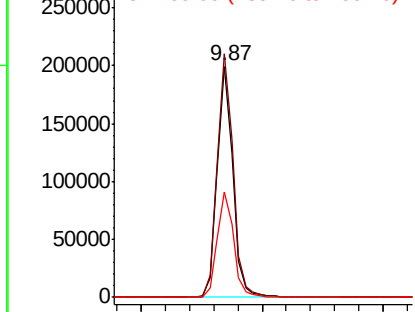
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112585.D
 Acq: 15 Feb 2019 18:14

Instrument :
 BNA_F
 ClientSampleId :
 M-2-S

Tgt Ion:164 Resp: 175459
 Ion Ratio Lower Upper
 164 100
 162 105.5 82.2 123.4
 160 45.4 36.2 54.4

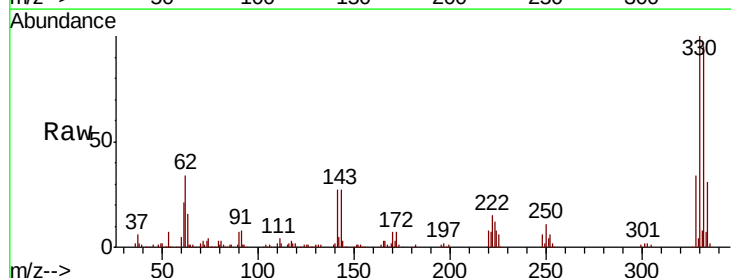


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

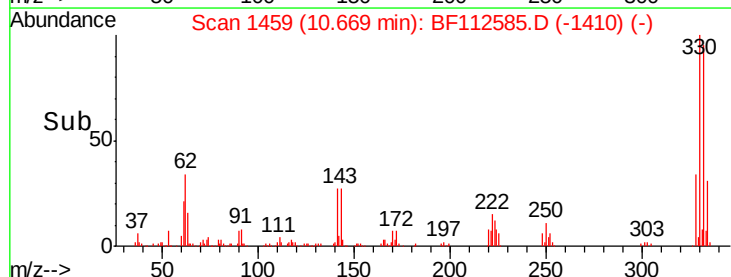
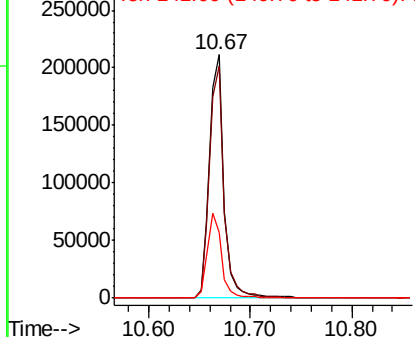


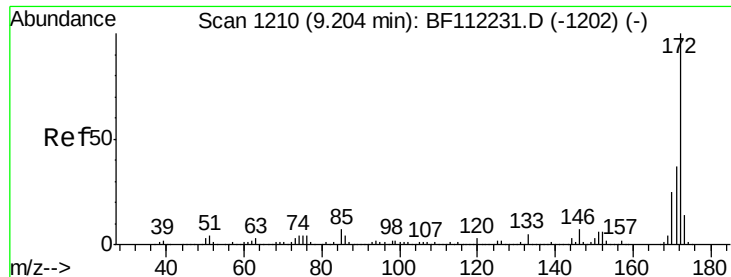
#42
 2,4,6-Tribromophenol
 Concen: 103.461 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112585.D
 Acq: 15 Feb 2019 18:14

Tgt Ion:330 Resp: 211298
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 114.8
 141 34.0 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

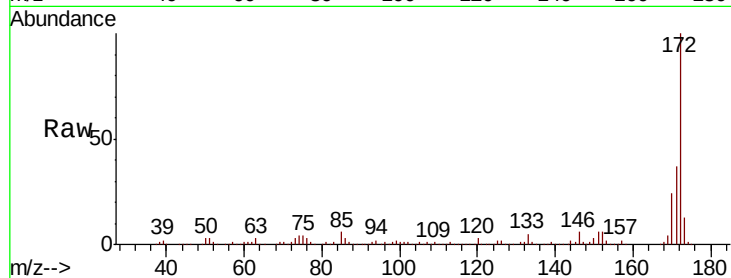




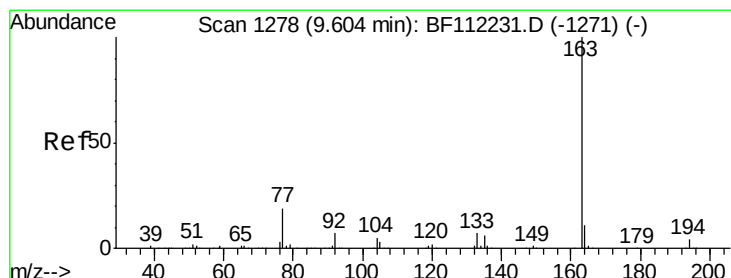
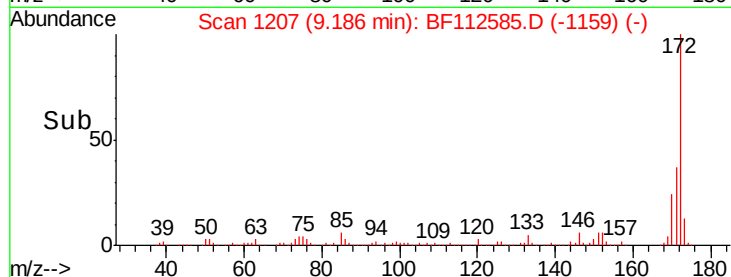
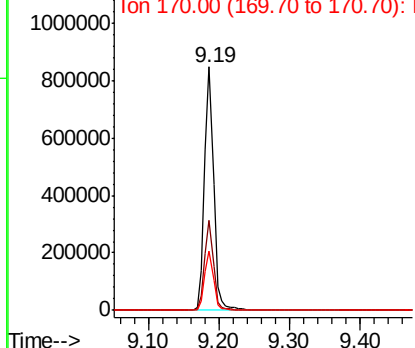
#45
2-Fluorobiphenyl
Concen: 62.161 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112585.D
Acq: 15 Feb 2019 18:14

Instrument :
BNA_F
ClientSampleId :
M-2-S

Tgt Ion:172 Resp: 771157
Ion Ratio Lower Upper
172 100
171 37.0 30.5 45.7
170 24.4 20.2 30.4

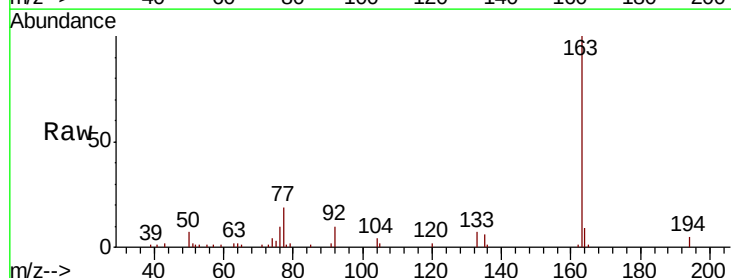


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

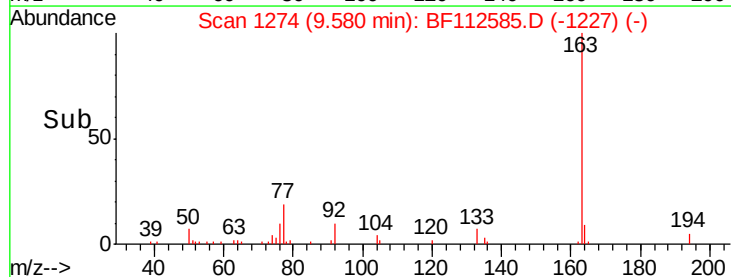
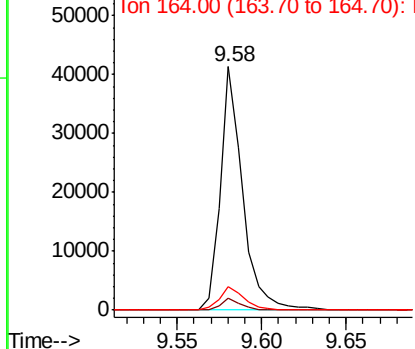


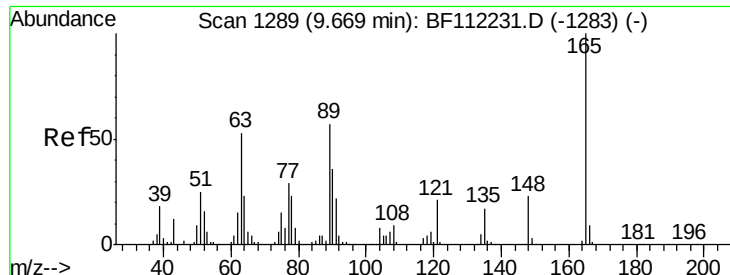
#50
Dimethylphthalate
Concen: 2.787 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112585.D
Acq: 15 Feb 2019 18:14

Tgt Ion:163 Resp: 37990
Ion Ratio Lower Upper
163 100
194 4.8 3.3 4.9
164 9.4 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

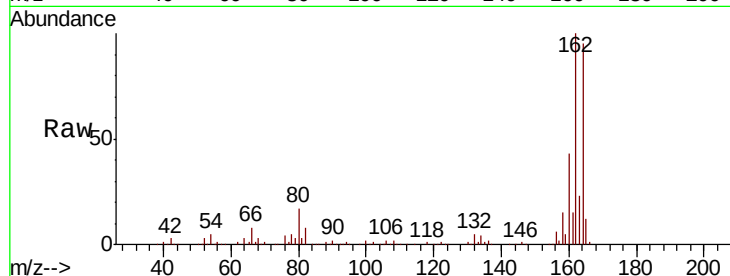




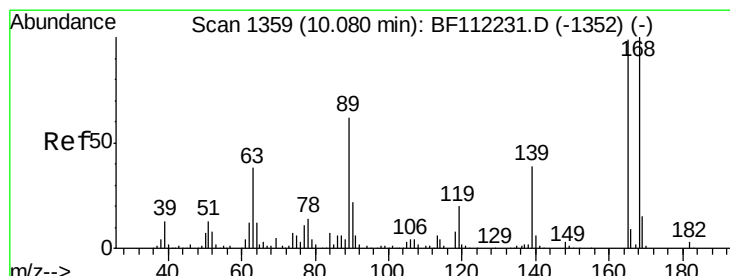
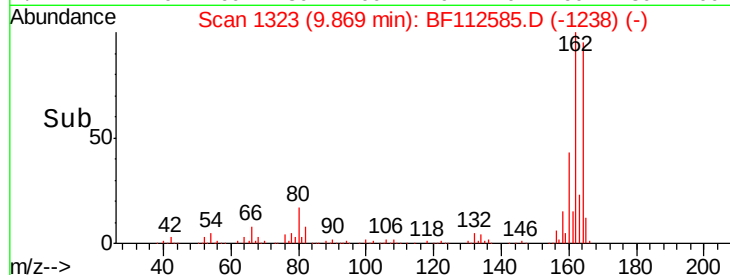
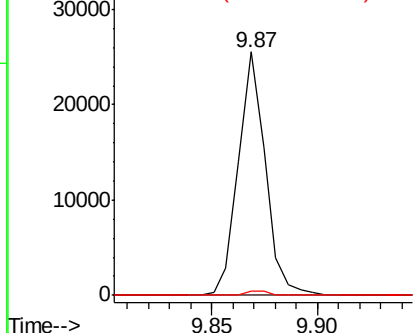
#51
 2,6-Dinitrotoluene
 Concen: 7.442 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112585.D
 Acq: 15 Feb 2019 18:14

Instrument :
 BNA_F
 ClientSampleId :
 M-2-S

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.8#
89	2.0	36.9	55.3#



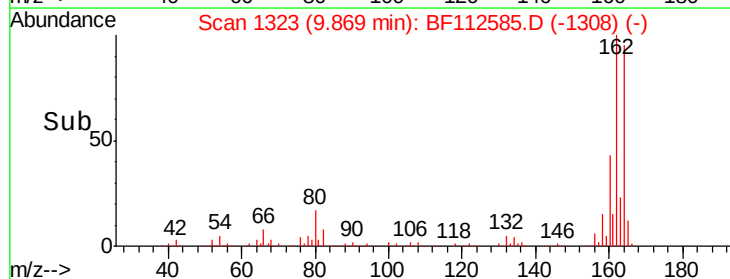
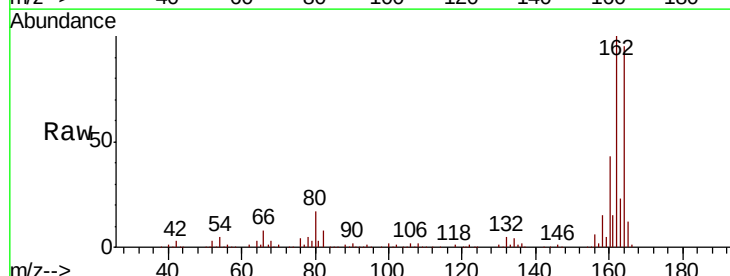
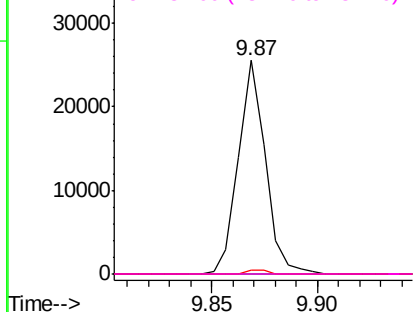
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

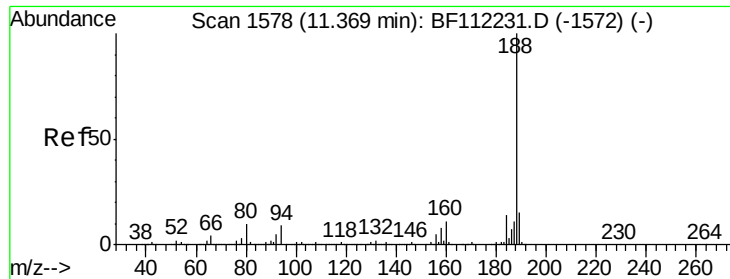


#57
 2,4-Dinitrotoluene
 Concen: 5.846 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112585.D
 Acq: 15 Feb 2019 18:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	27.9	41.9#
89	2.0	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

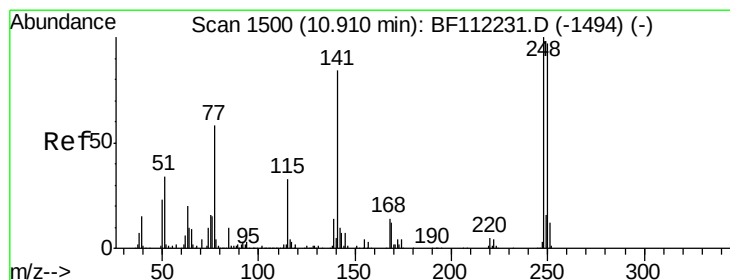
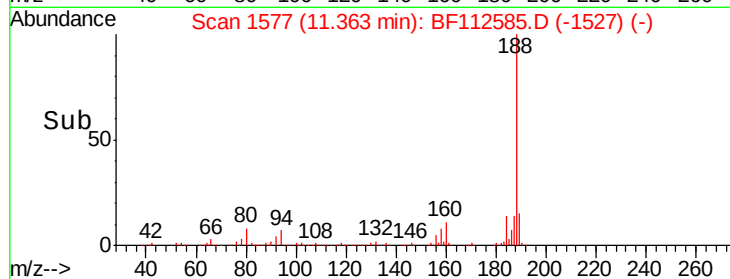
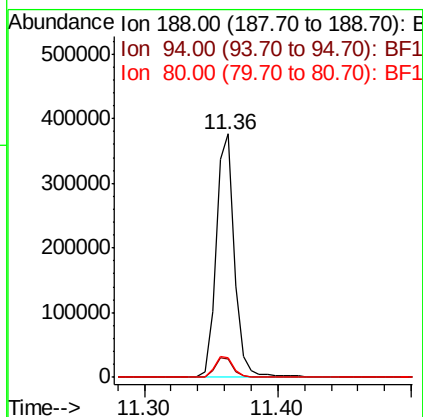
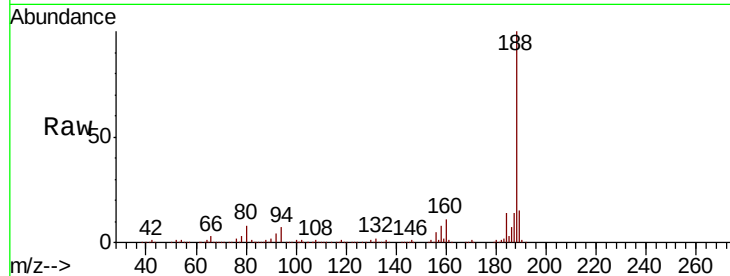




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF112585.D
 Acq: 15 Feb 2019 18:14

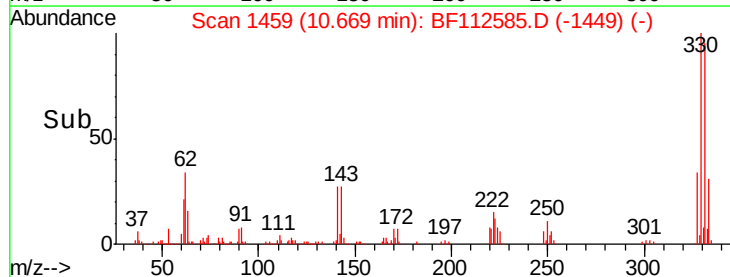
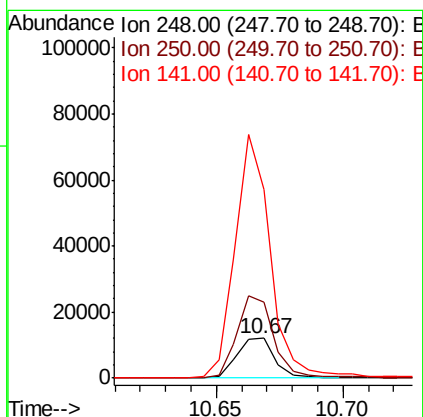
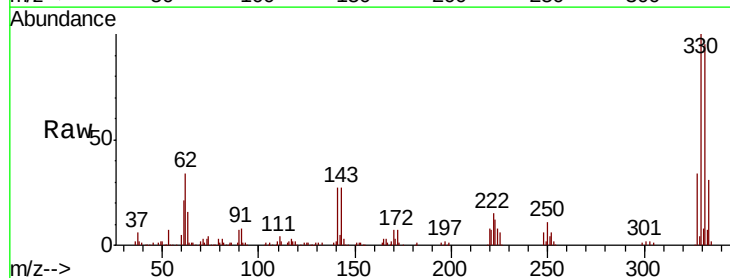
Instrument :
 BNA_F
 ClientSampleId :
 M-2-S

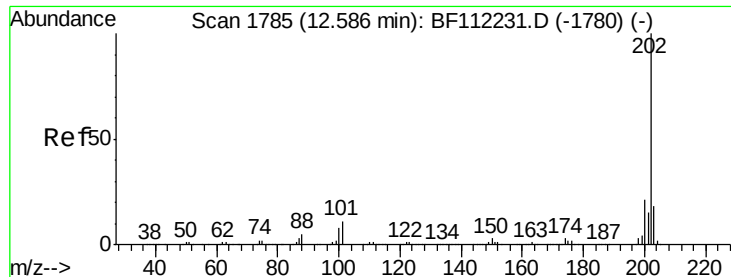
Tgt Ion:188 Resp: 362821
 Ion Ratio Lower Upper
 188 100
 94 7.4 8.2 12.2#
 80 7.9 8.9 13.3#



#67
 4-Bromophenyl-phenylether
 Concen: 2.957 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.24 min
 Lab File: BF112585.D
 Acq: 15 Feb 2019 18:14

Tgt Ion:248 Resp: 12619
 Ion Ratio Lower Upper
 248 100
 250 191.8 79.7 119.5#
 141 472.3 60.3 90.5#





#75

Fluoranthene

Concen: 4.763 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112585.D

Acq: 15 Feb 2019 18:14

Instrument :

BNA_F

ClientSampleId :

M-2-S

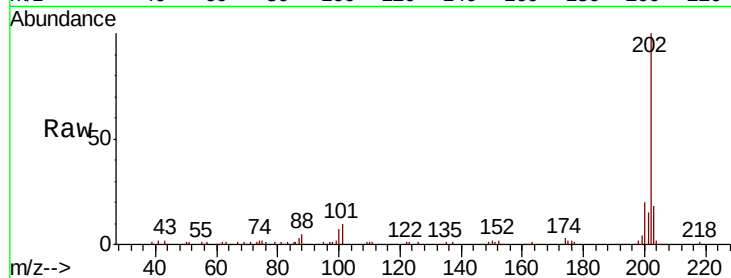
Tgt Ion: 202 Resp: 96369

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.8

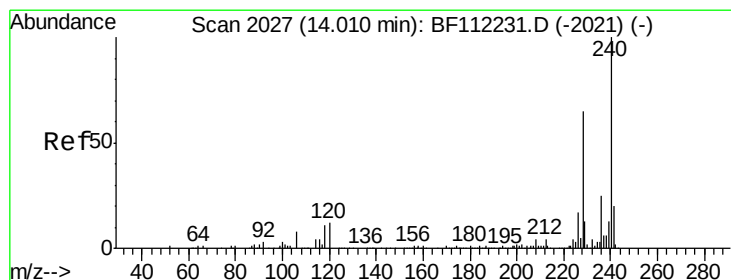
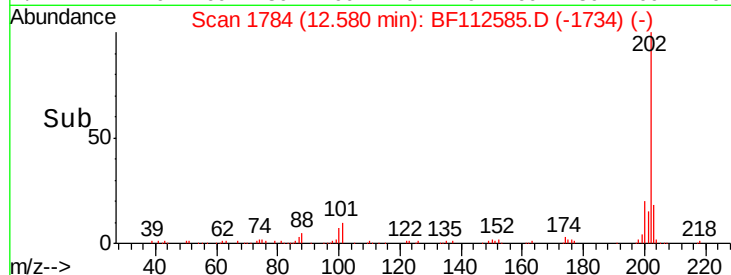
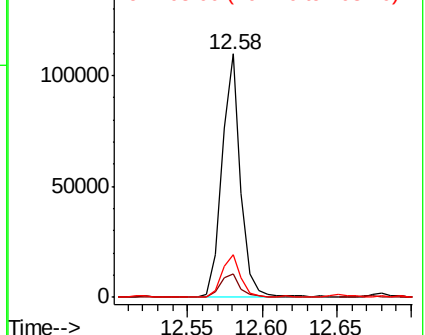
203 17.6 0.0 38.4



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: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF112585.D

Acq: 15 Feb 2019 18:14

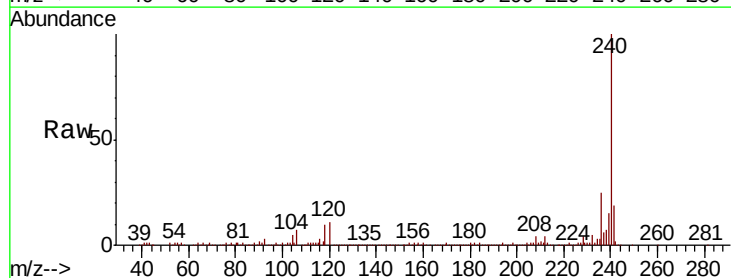
Tgt Ion: 240 Resp: 306643

Ion Ratio Lower Upper

240 100

120 11.2 9.0 13.6

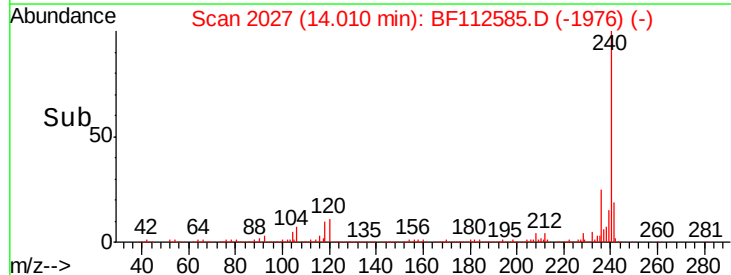
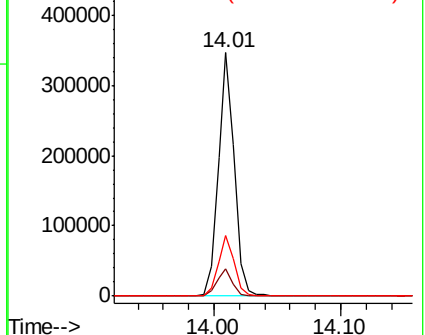
236 25.0 20.7 31.1

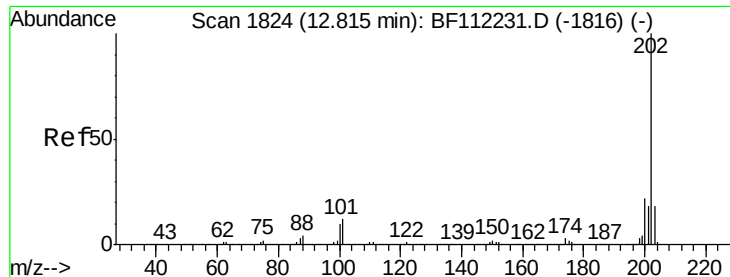


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

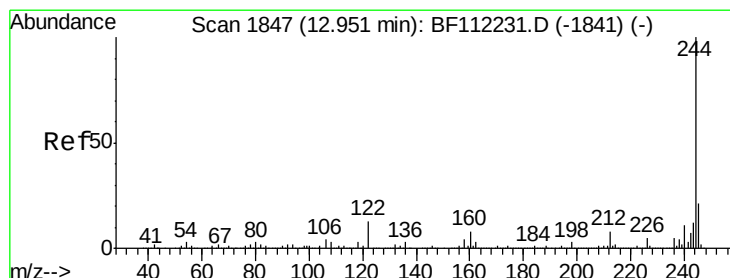
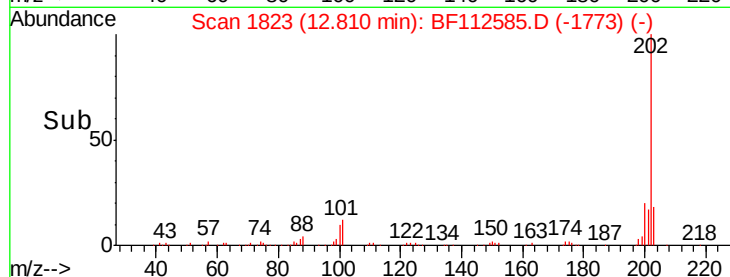
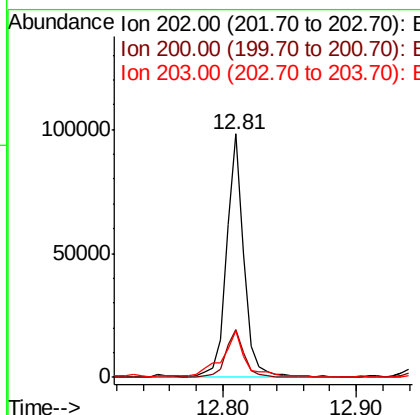
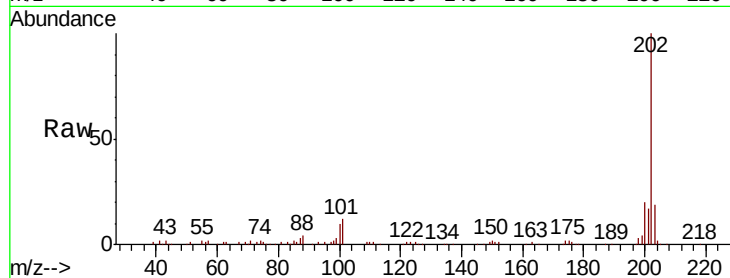




#78
 Pyrene
 Concen: 4.257 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF112585.D
 Acq: 15 Feb 2019 18:14

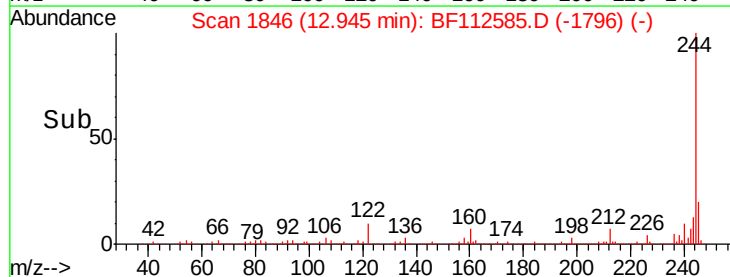
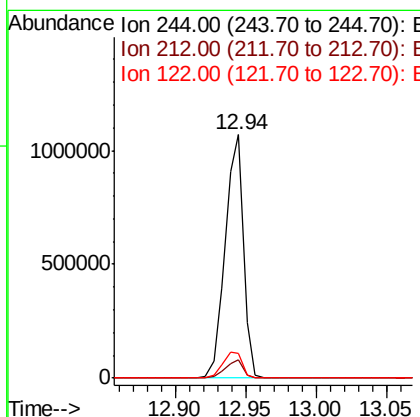
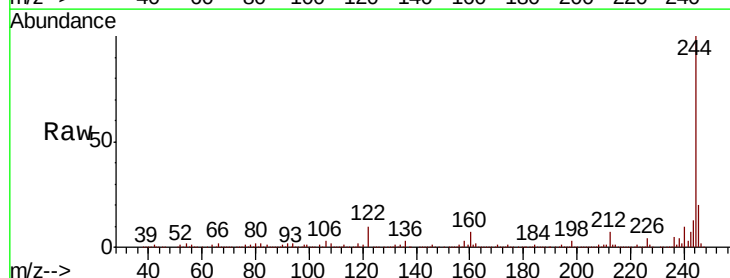
Instrument :
 BNA_F
 ClientSampleId :
 M-2-S

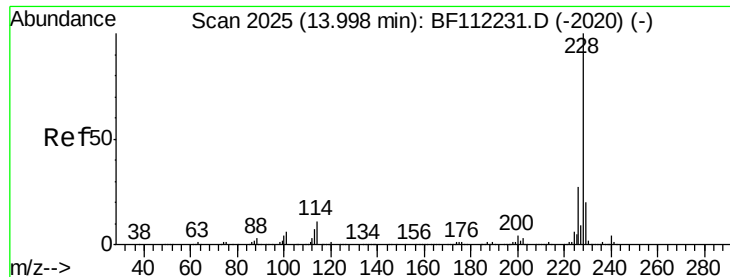
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.7	26.5
203	19.0	14.6	22.0



#79
 Terphenyl-d14
 Concen: 59.046 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF112585.D
 Acq: 15 Feb 2019 18:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	10.3	9.8	14.6

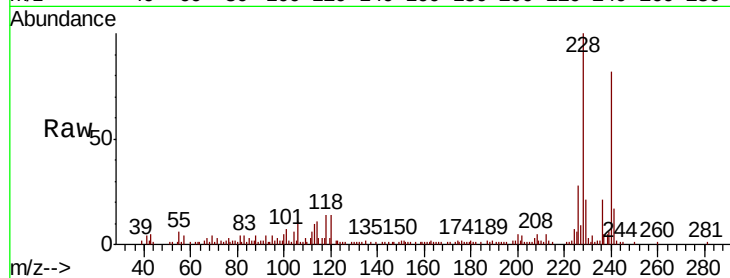




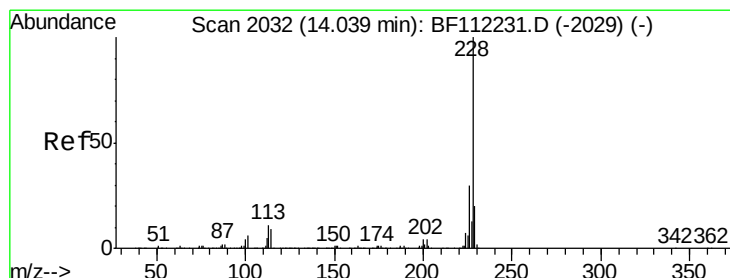
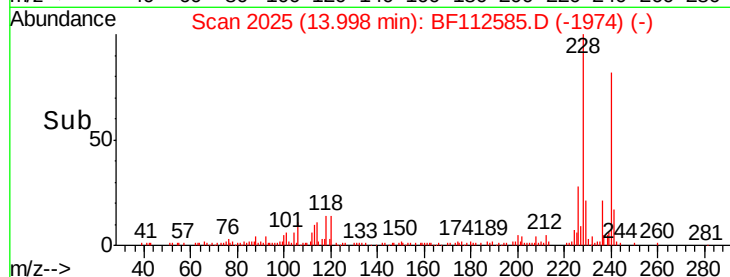
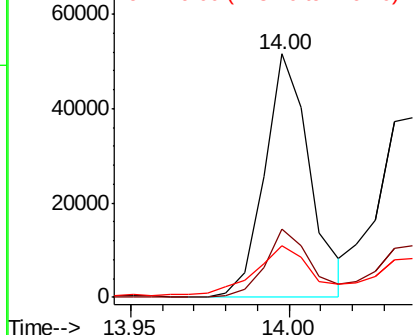
#81
Benzo(a)anthracene
Concen: 2.848 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF112585.D
Acq: 15 Feb 2019 18:14

Instrument :
BNA_F
ClientSampleId :
M-2-S

Tgt Ion:228 Resp: 51337
Ion Ratio Lower Upper
228 100
226 27.8 22.6 34.0
229 21.4 16.5 24.7

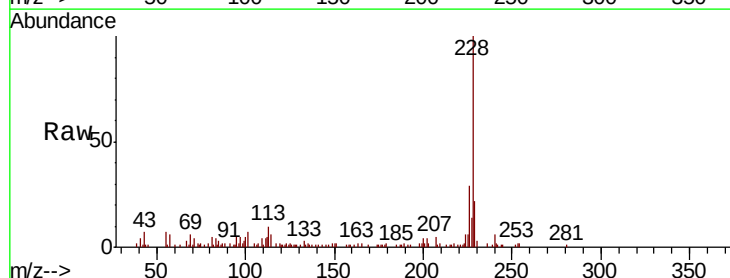


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

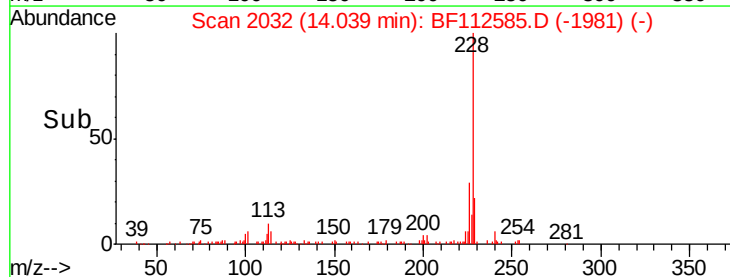
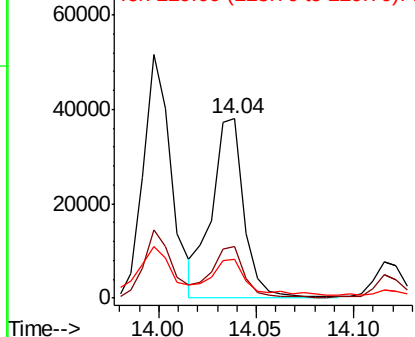


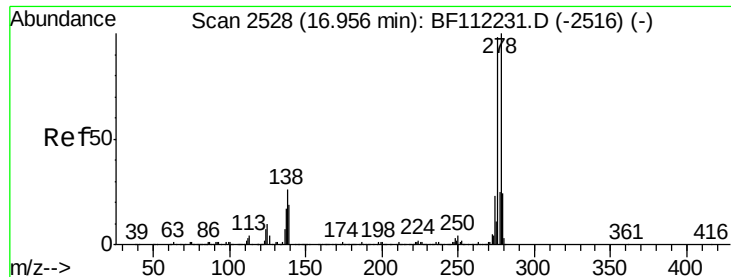
#83
Chrysene
Concen: 2.570 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF112585.D
Acq: 15 Feb 2019 18:14

Tgt Ion:228 Resp: 44224
Ion Ratio Lower Upper
228 100
226 28.6 25.0 37.6
229 21.7 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

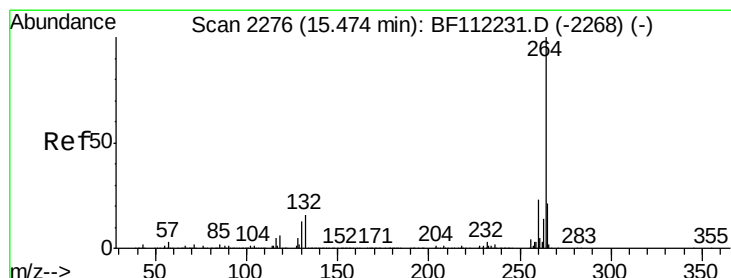
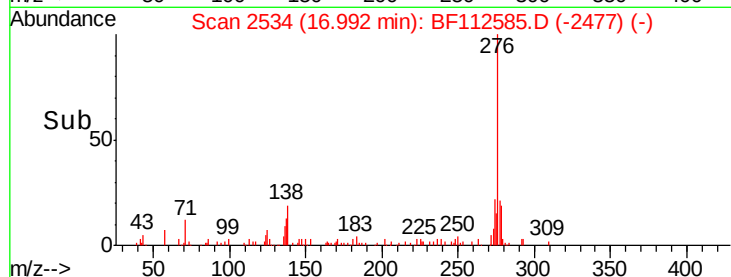
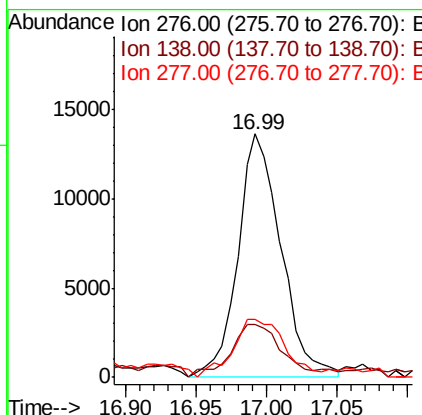
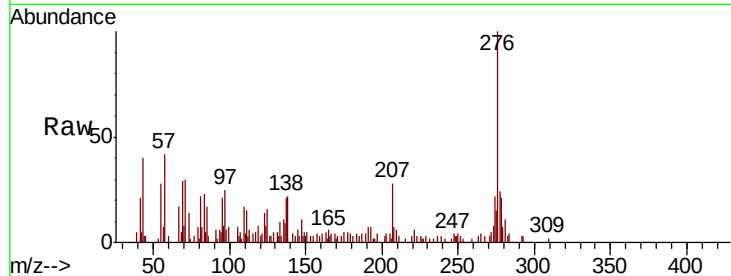




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.141 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. 0.04 min
 Lab File: BF112585.D
 Acq: 15 Feb 2019 18:14

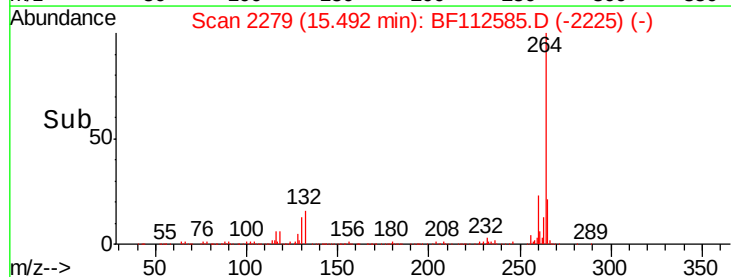
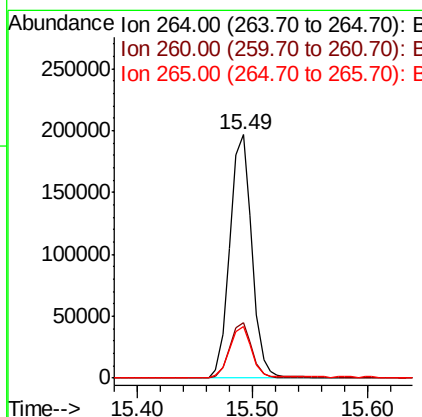
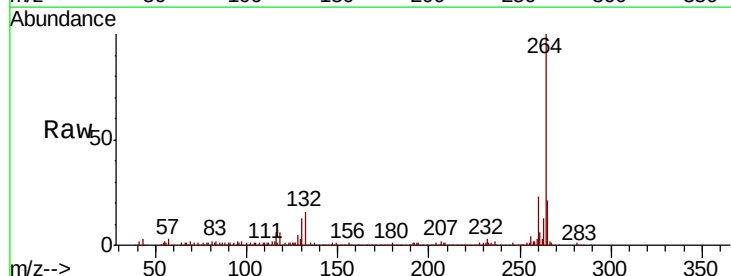
Instrument :
 BNA_F
 ClientSampleId :
 M-2-S

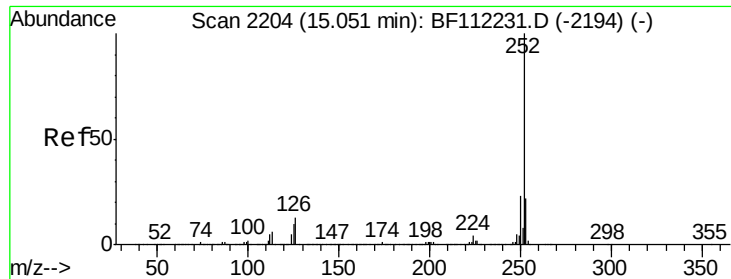
Tgt Ion: 276 Resp: 29193
 Ion Ratio Lower Upper
 276 100
 138 27.0 22.6 34.0
 277 28.7 20.3 30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.02 min
 Lab File: BF112585.D
 Acq: 15 Feb 2019 18:14

Tgt Ion: 264 Resp: 260227
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.2 27.2
 265 21.3 17.0 25.4

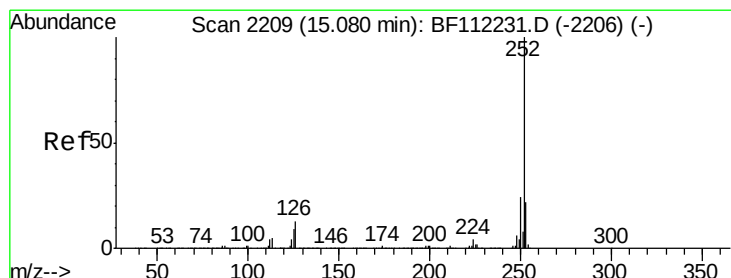
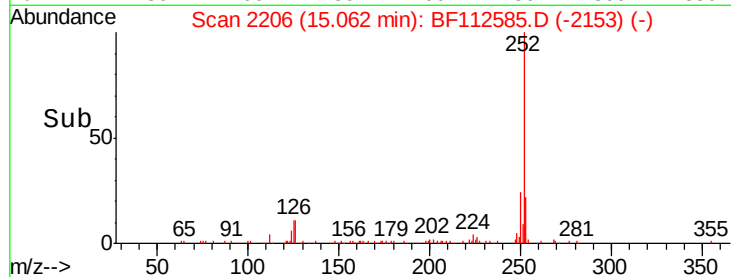
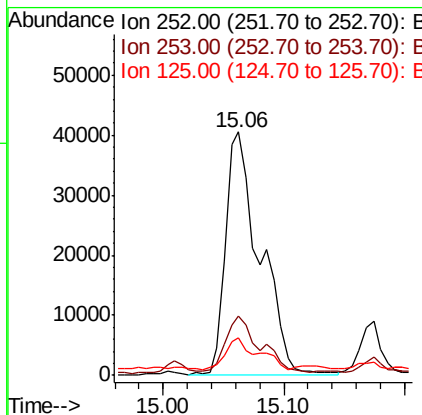
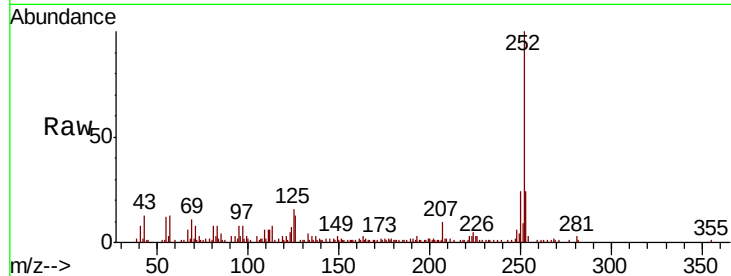




#88
Benzo(b)fluoranthene
Concen: 5.181 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112585.D
Acq: 15 Feb 2019 18:14

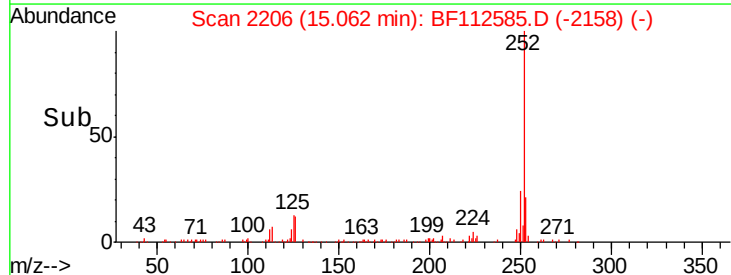
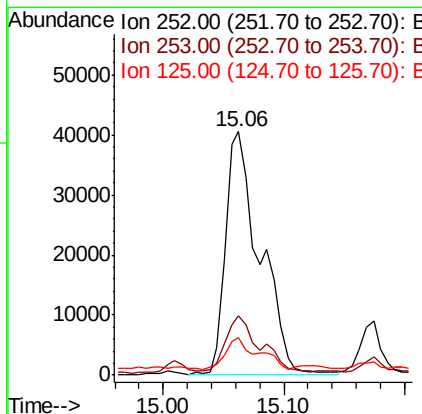
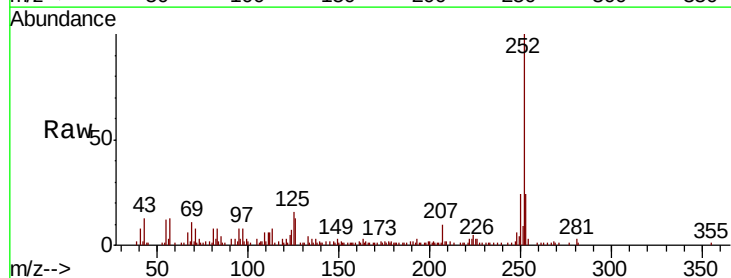
Instrument :
BNA_F
ClientSampled :
M-2-S

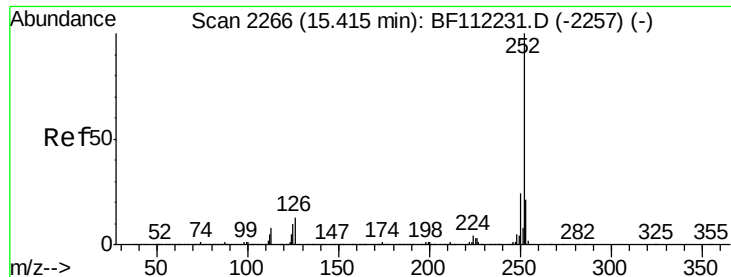
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	15.6	8.7	13.1#



#89
Benzo(k)fluoranthene
Concen: 5.409 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF112585.D
Acq: 15 Feb 2019 18:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	15.6	9.1	13.7#





#90

Benzo(a)pyrene

Concen: 3.073 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF112585.D

Acq: 15 Feb 2019 18:14

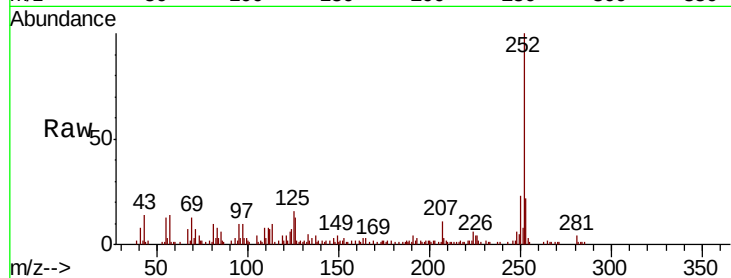
Instrument :

BNA_F

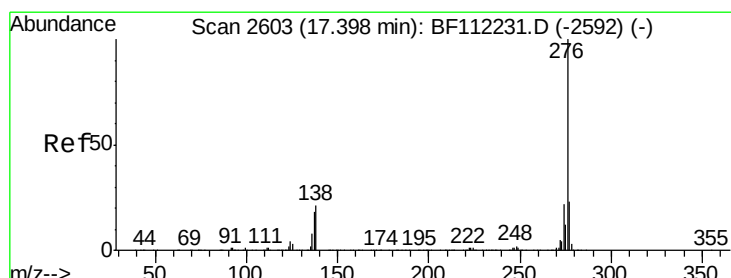
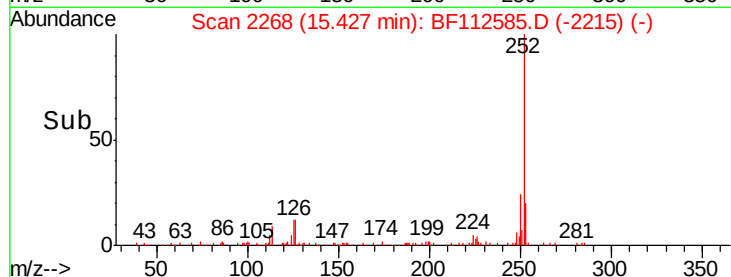
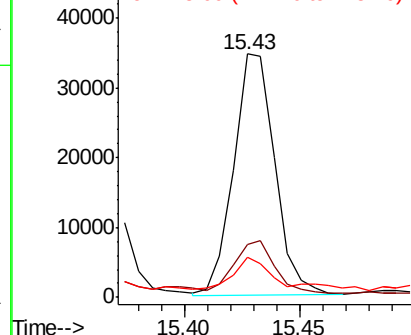
ClientSampleId :

M-2-S

Tgt Ion:	252	Resp:	43029
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	16.2	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



#92

Benzo(g,h,i)perylene

Concen: 2.645 ng

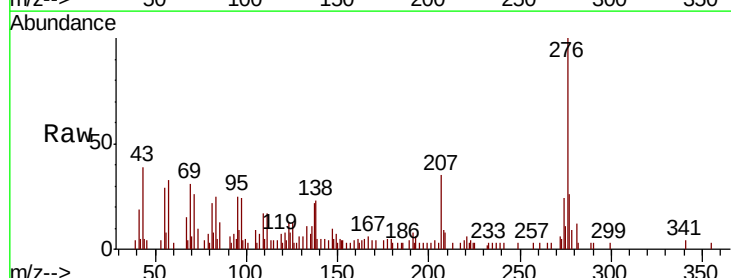
RT: 17.46 min Scan# 2613

Delta R.T. 0.06 min

Lab File: BF112585.D

Acq: 15 Feb 2019 18:14

Tgt Ion:	276	Resp:	28162
Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.4	29.0
138	23.3	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

