

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031519\
 Data File : BF113070.D
 Acq On : 15 Mar 2019 17:17
 Operator : JU/SJ
 Sample : K1685-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-031419-A

Quant Time: Mar 15 22:54:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

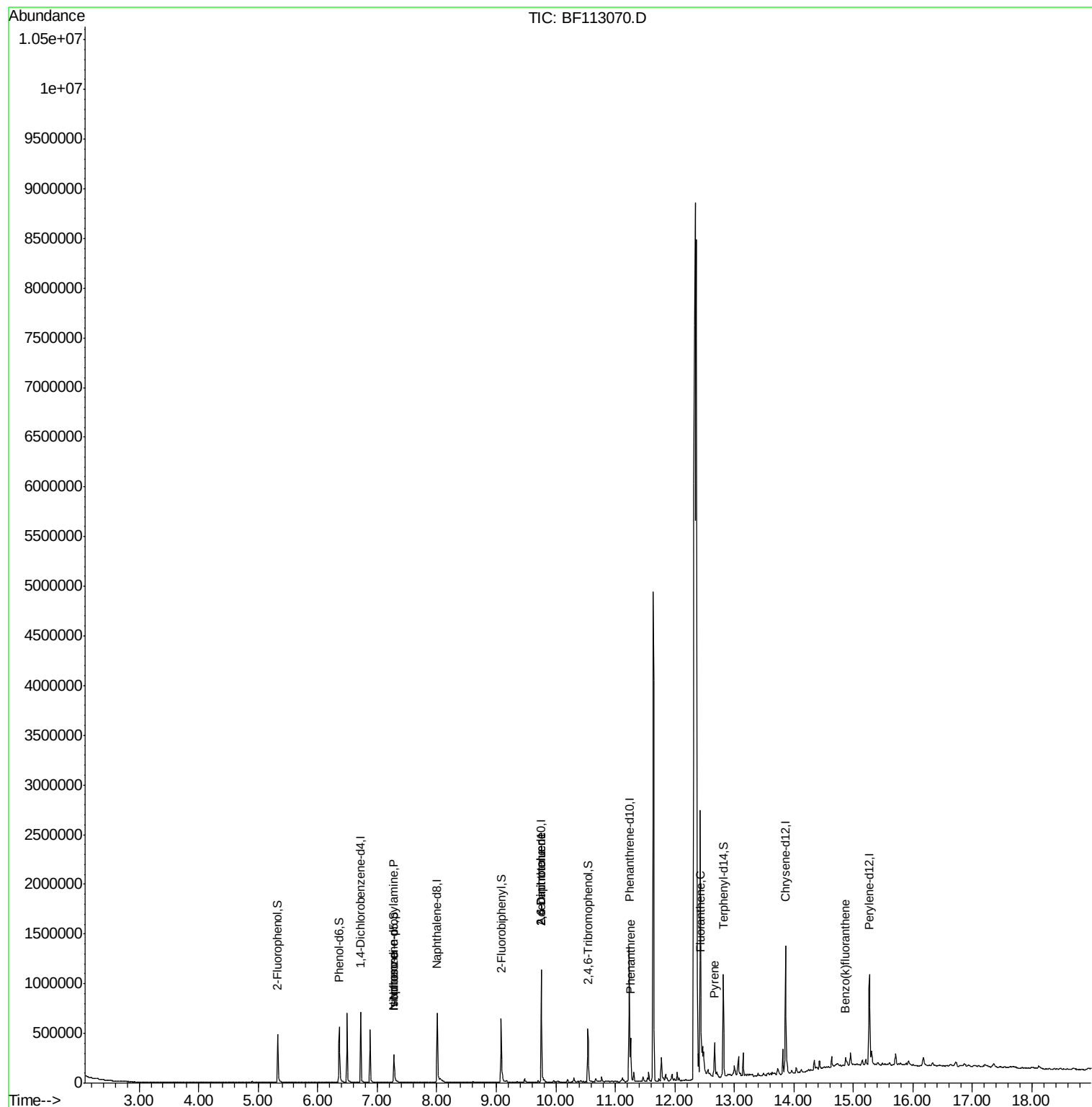
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	112430	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	444492	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	230891	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	507701	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	449520	20.00	ng	0.00
87) Perylene-d12	15.27	264	440083	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	157467	21.79	ng	-0.02
7) Phenol-d6	6.36	99	214915	23.67	ng	-0.01
23) Nitrobenzene-d5	7.28	82	113053	15.22	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	77596	31.66	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	264183	14.48	ng	-0.01
79) Terphenyl-d14	12.82	244	345567	14.90	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	14193	2.468	ng	# 82
25) Isophorone	7.28	82	113051	7.064	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	29186	8.232	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	29187	6.623	ng	# 18
71) Phenanthrene	11.26	178	152641	6.043	ng	97
75) Fluoranthene	12.44	202	168401	6.222	ng	93
78) Pyrene	12.67	202	135553	3.577	ng	99
89) Benzo(k)fluoranthene	14.87	252	55671	2.159	ng	# 96

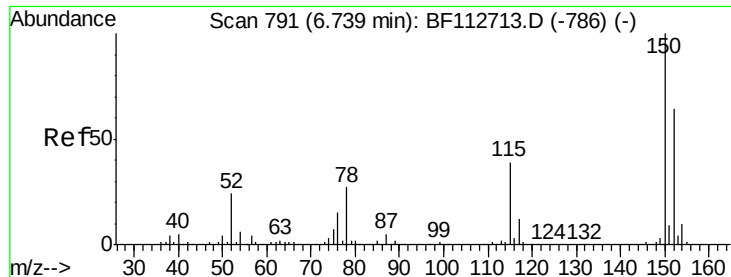
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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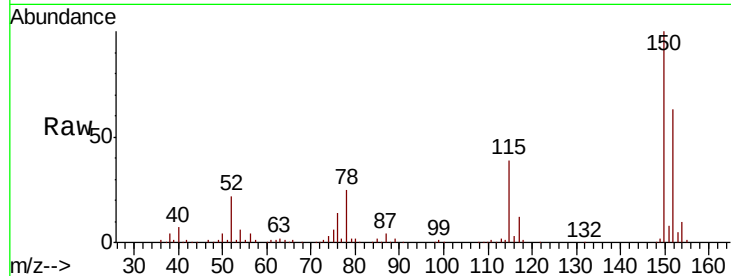


#1

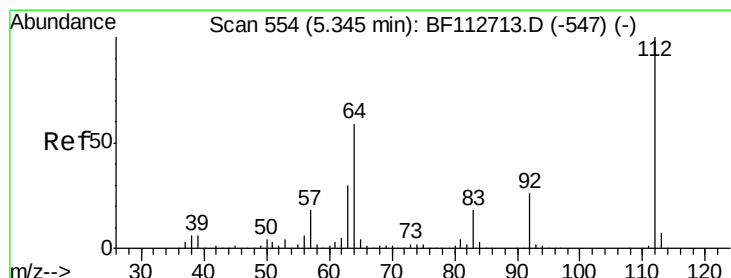
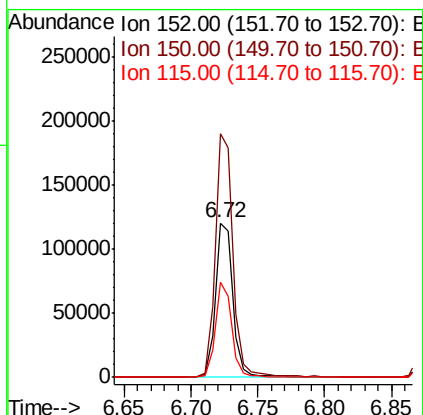
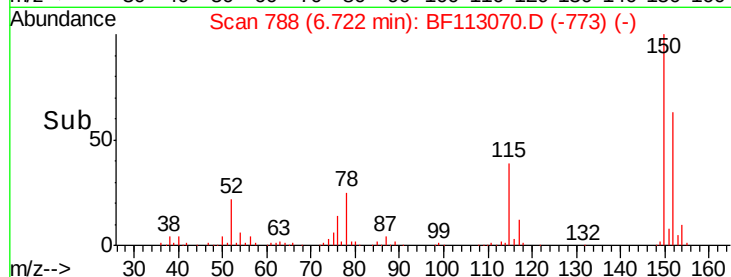
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113070.D
Acq: 15 Mar 2019 17:17

Instrument :
BNA_F
ClientSampleId :
AU-05-031419-A

Tgt Ion:152 Resp: 112430
Ion Ratio Lower Upper
152 100
150 158.0 124.2 186.2
115 61.4 48.2 72.4



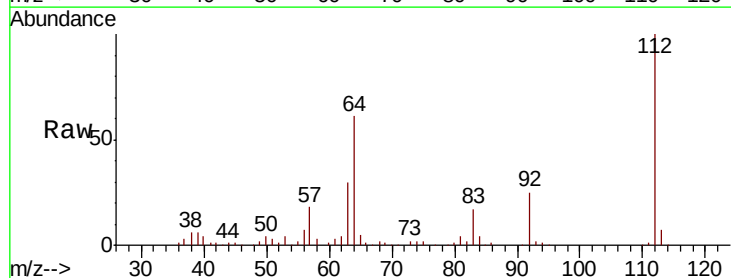
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



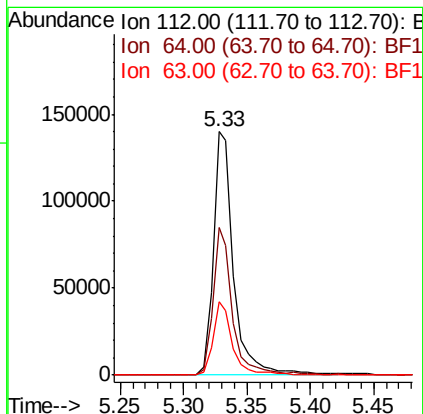
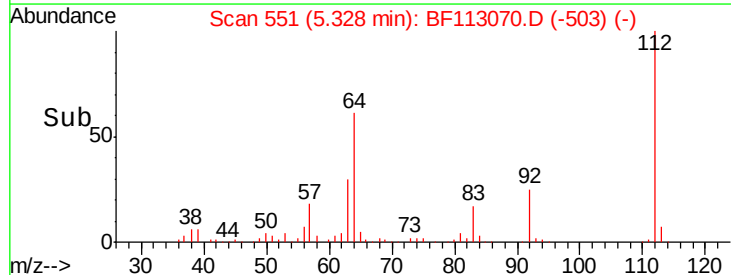
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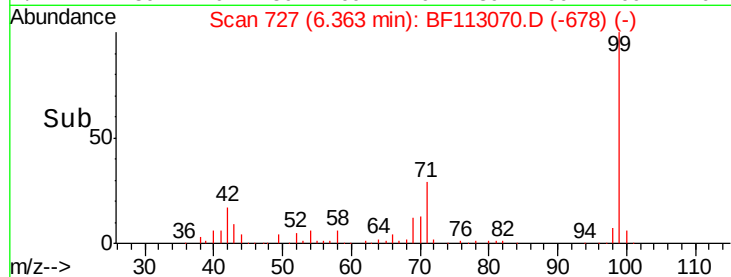
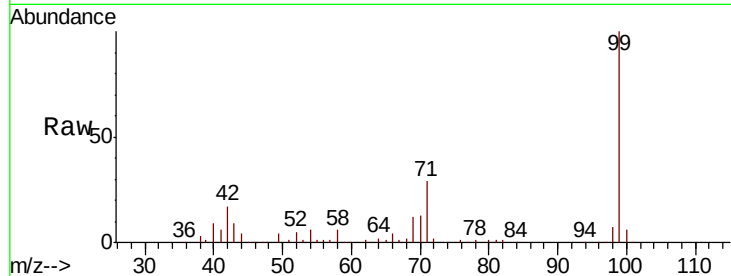
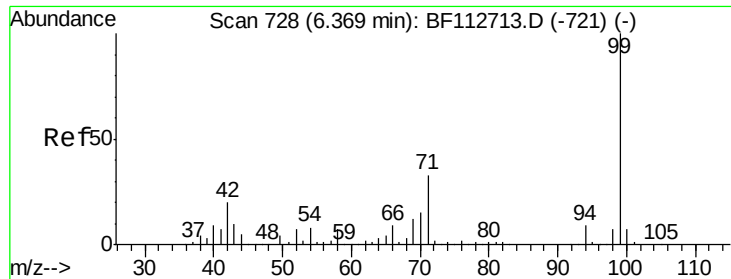
2-Fluorophenol
Concen: 21.787 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF113070.D
Acq: 15 Mar 2019 17:17

Tgt Ion:112 Resp: 157467
Ion Ratio Lower Upper
112 100
64 60.7 47.6 71.4
63 30.1 24.4 36.6



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: 23.671 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

Instrument :

BNA_F

ClientSampleId :

AU-05-031419-A

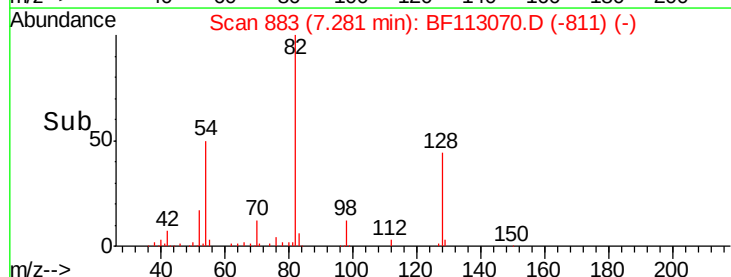
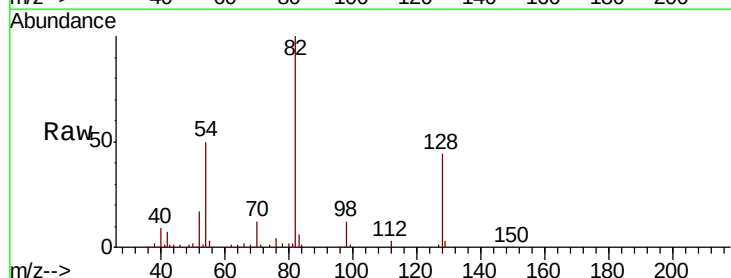
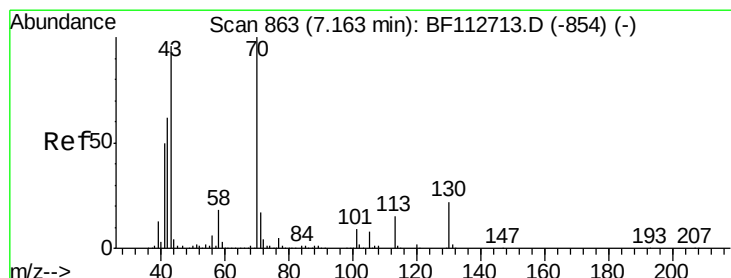
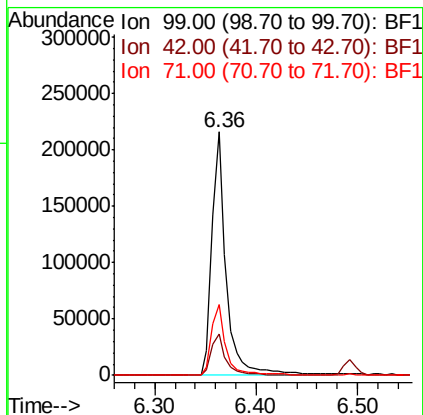
Tgt Ion: 99 Resp: 214915

Ion Ratio Lower Upper

99 100

42 17.0 16.3 24.5

71 29.1 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 2.468 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.12 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

Tgt Ion: 70 Resp: 14193

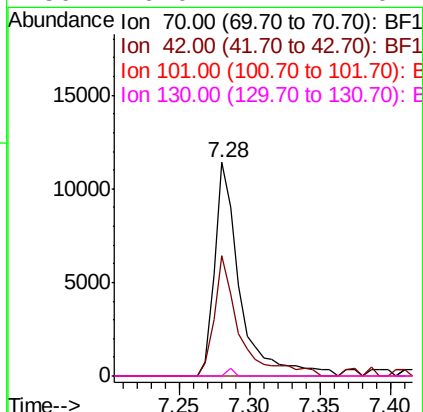
Ion Ratio Lower Upper

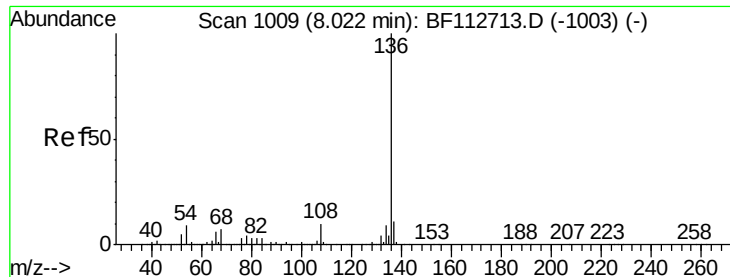
70 100

42 56.6 49.9 74.9

101 0.0 7.4 11.2#

130 0.0 17.4 26.2#

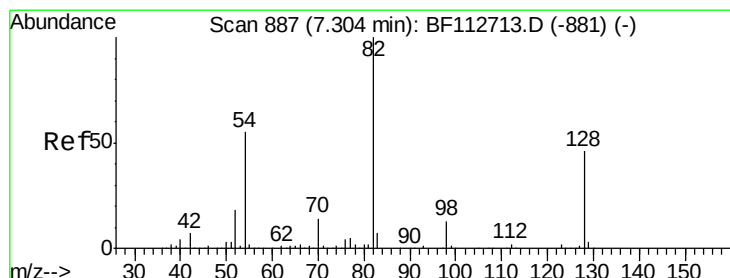
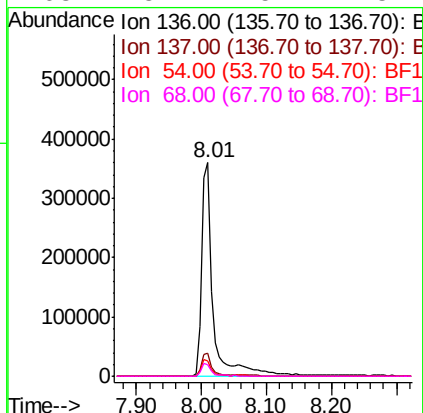
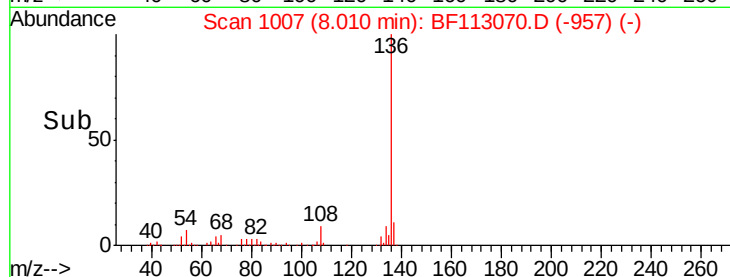
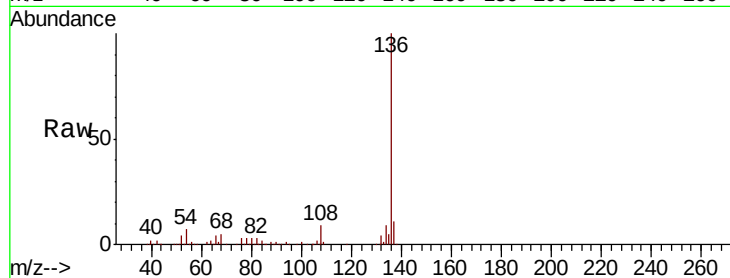




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113070.D
Acq: 15 Mar 2019 17:17

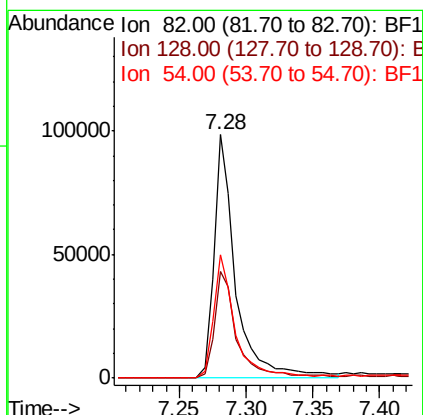
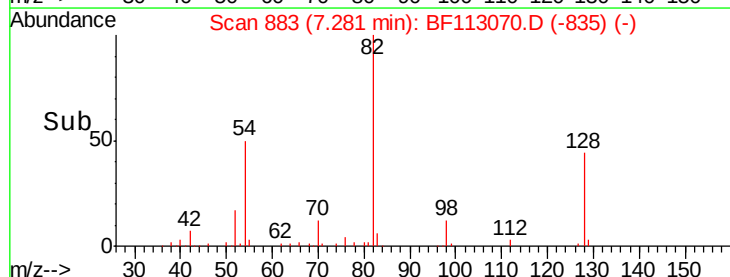
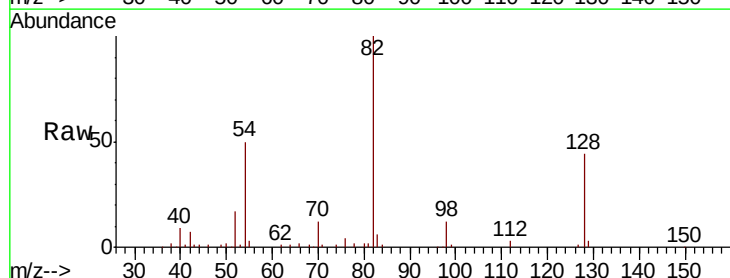
Instrument :
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AU-05-031419-A

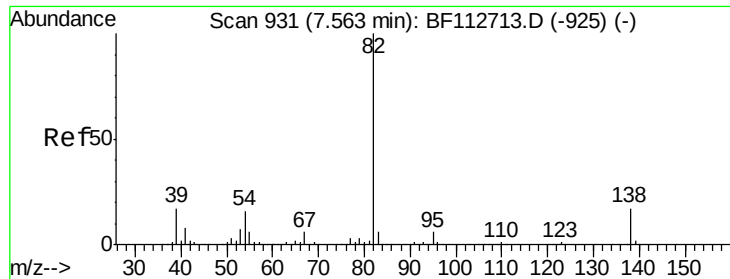
Tgt Ion:	136	Resp:	444492
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.0	7.3	10.9#
68	5.4	5.4	8.2#



#23
Nitrobenzene-d5
Concen: 15.219 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113070.D
Acq: 15 Mar 2019 17:17

Tgt Ion:	82	Resp:	113053
Ion Ratio	Lower	Upper	
82	100		
128	43.7	36.3	54.5
54	50.4	43.7	65.5





#25

Isophorone

Concen: 7.064 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

Instrument :

BNA_F

ClientSampleId :

AU-05-031419-A

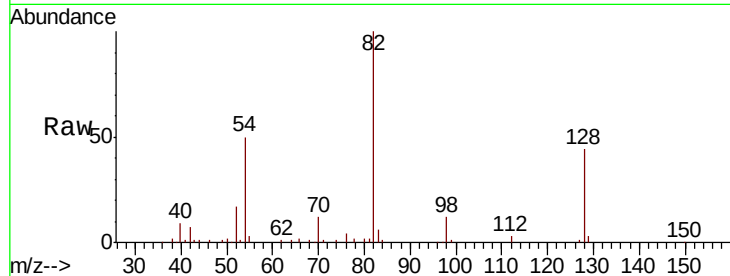
Tgt Ion: 82 Resp: 113051

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

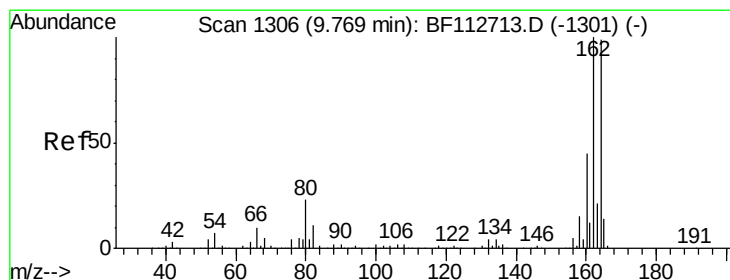
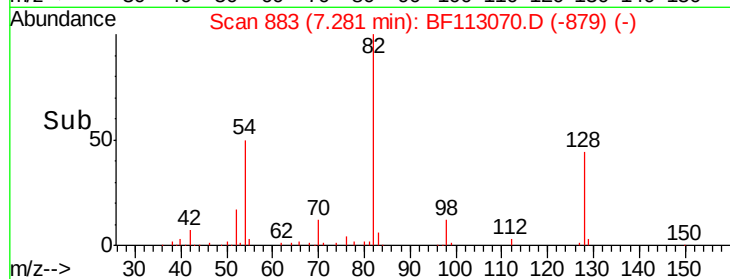
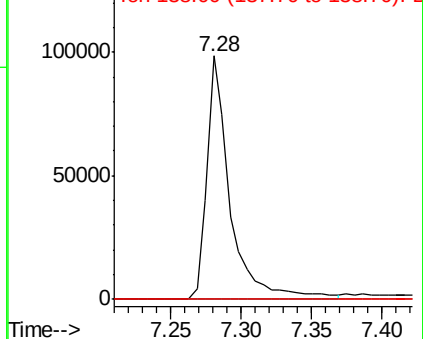
138 0.0 13.8 20.8#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

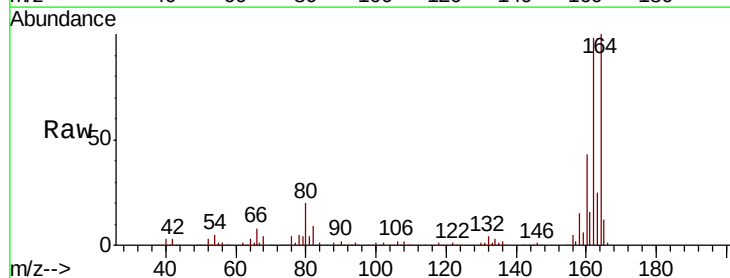
Tgt Ion: 164 Resp: 230891

Ion Ratio Lower Upper

164 100

162 98.4 80.6 120.8

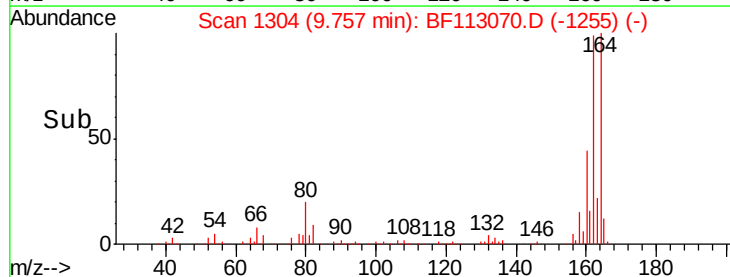
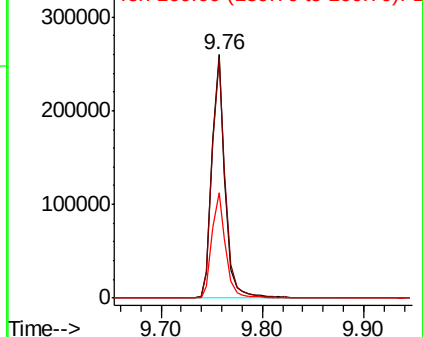
160 43.5 36.0 54.0

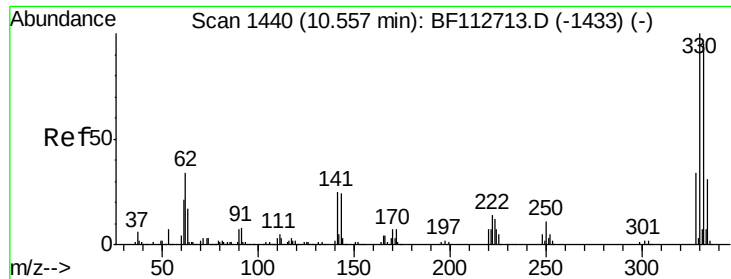


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

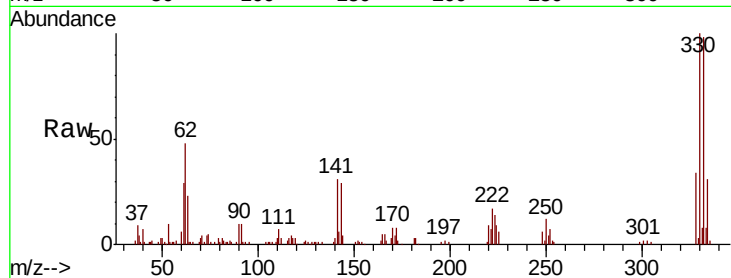




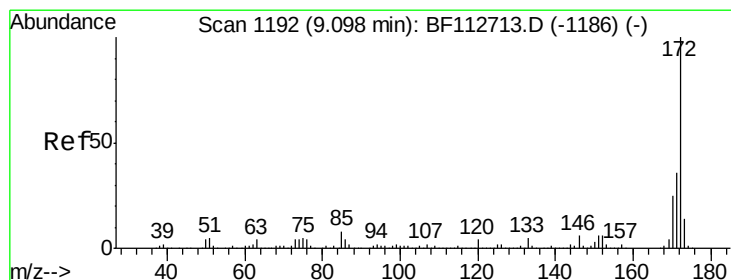
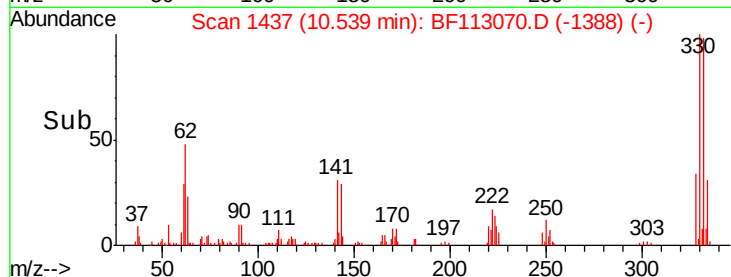
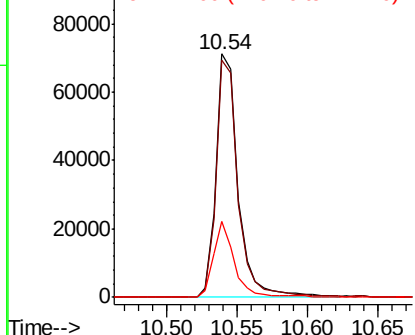
#42
 2,4,6-Tribromophenol
 Concen: 31.656 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113070.D
 Acq: 15 Mar 2019 17:17

Instrument :
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Tgt Ion: 330 Resp: 77596
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.2 114.4
 141 29.5 27.0 40.6

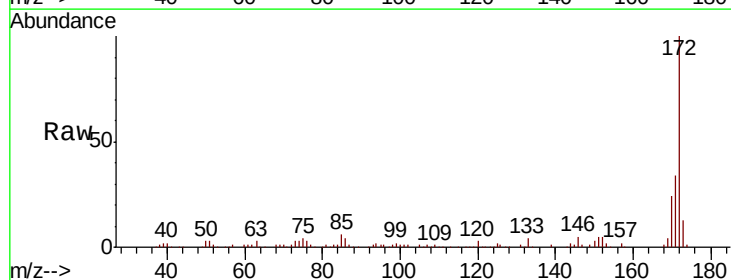


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

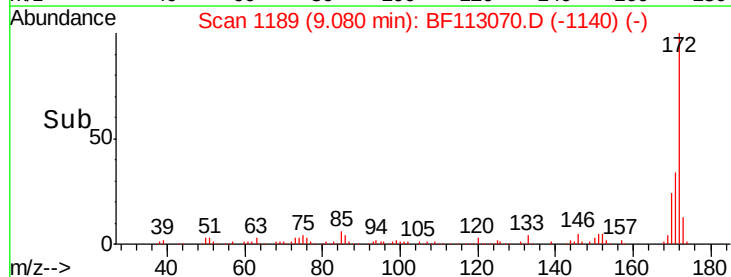
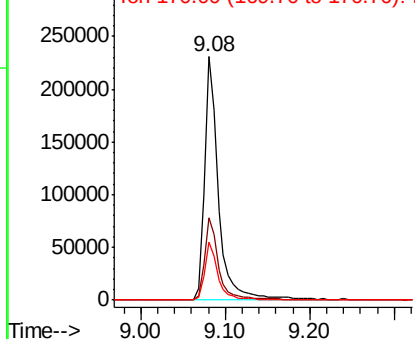


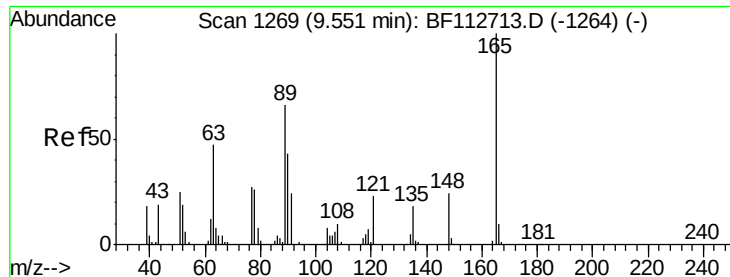
#45
 2-Fluorobiphenyl
 Concen: 14.483 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113070.D
 Acq: 15 Mar 2019 17:17

Tgt Ion: 172 Resp: 264183
 Ion Ratio Lower Upper
 172 100
 171 33.8 29.0 43.4
 170 23.6 20.0 30.0



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

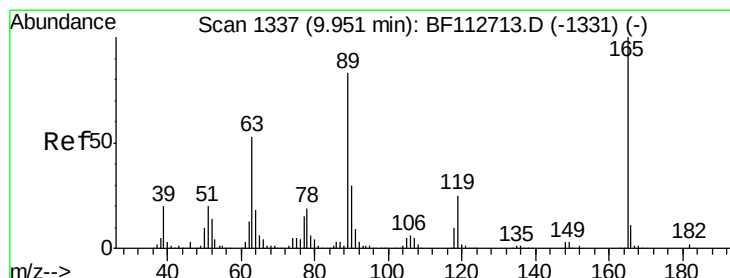
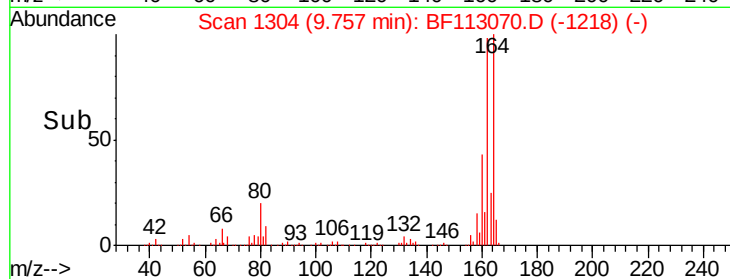
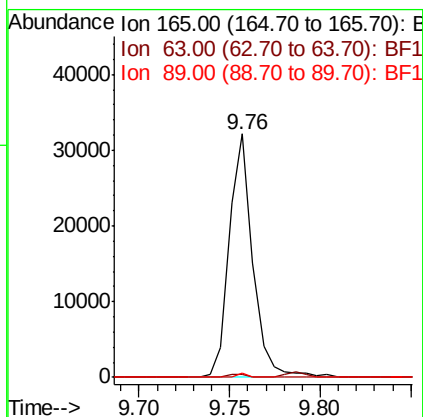
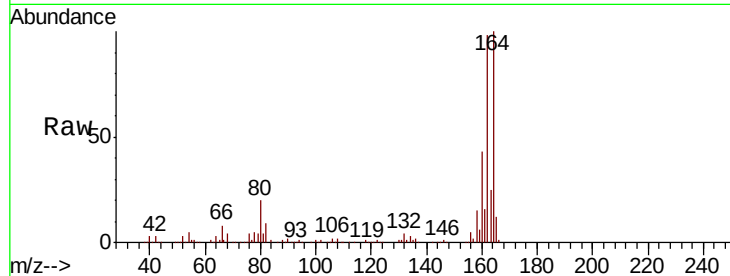




#51
 2,6-Dinitrotoluene
 Concen: 8.232 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF113070.D
 Acq: 15 Mar 2019 17:17

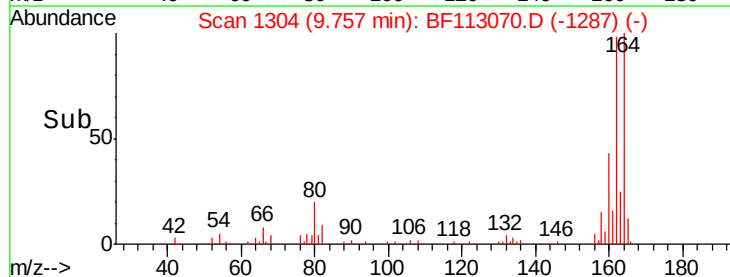
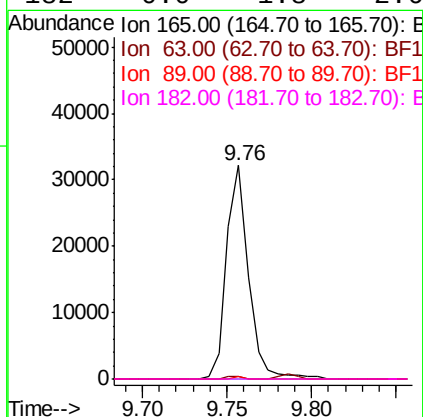
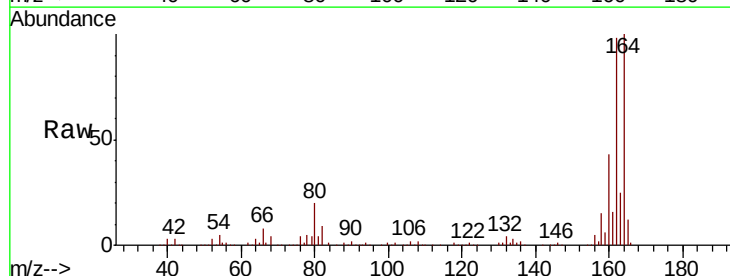
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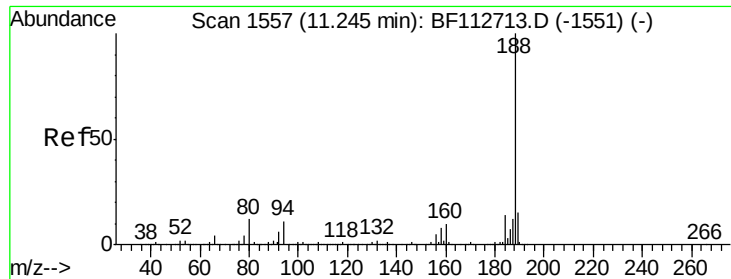
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	54.1	81.1#
89	1.5	52.8	79.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.623 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF113070.D
 Acq: 15 Mar 2019 17:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.2	63.2#
89	1.5	66.2	99.4#
182	0.0	1.8	2.6#

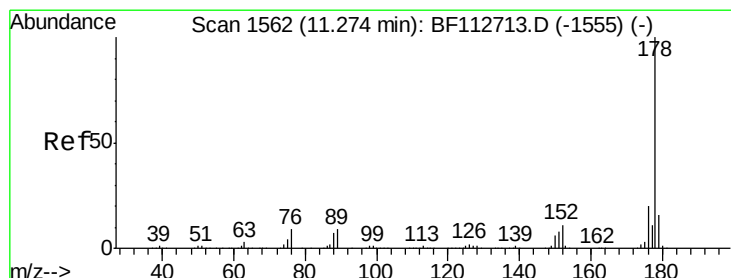
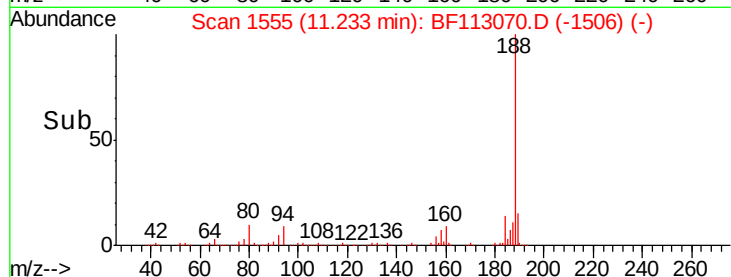
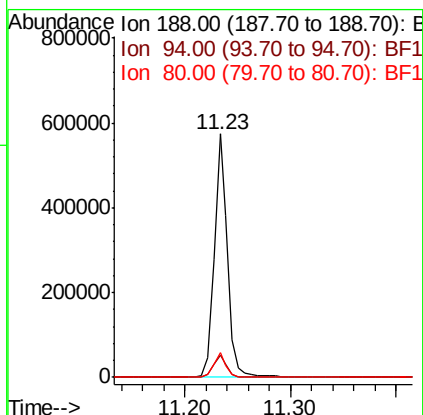
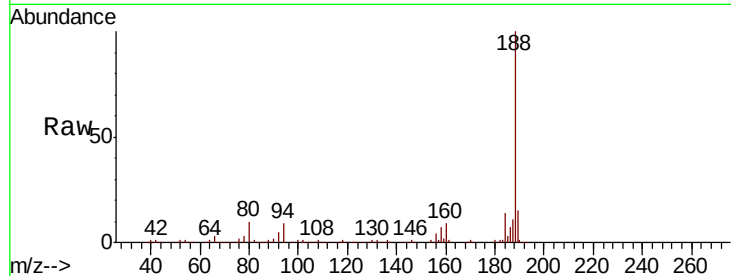




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113070.D
Acq: 15 Mar 2019 17:17

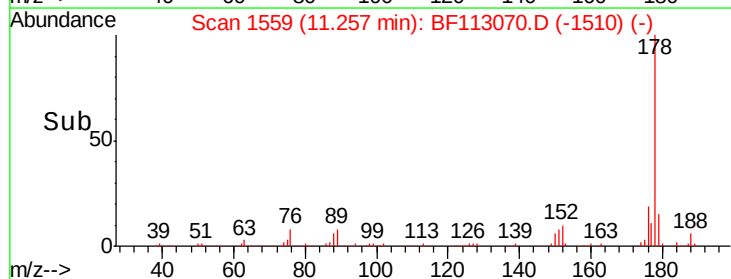
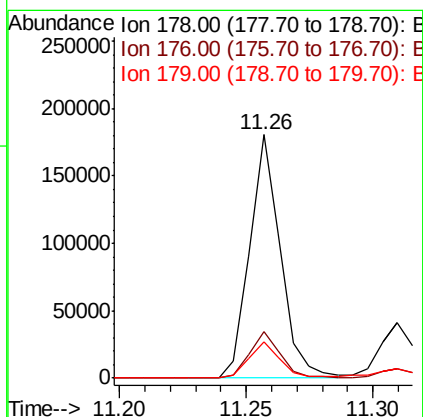
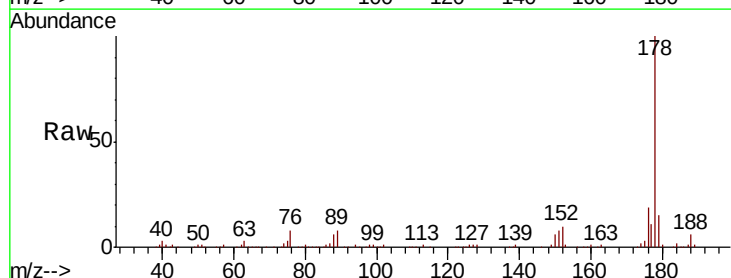
Instrument :
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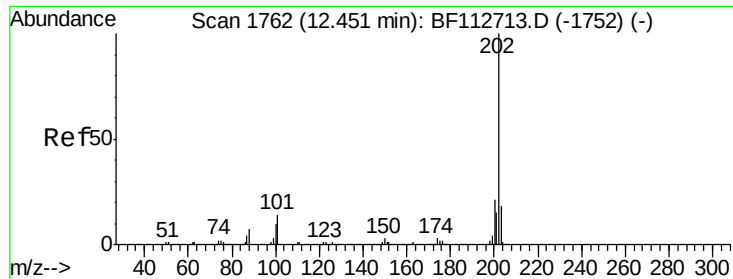
Tgt Ion:188 Resp: 507701
Ion Ratio Lower Upper
188 100
94 9.2 9.0 13.4
80 9.9 9.2 13.8



#71
Phenanthrene
Concen: 6.043 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113070.D
Acq: 15 Mar 2019 17:17

Tgt Ion:178 Resp: 152641
Ion Ratio Lower Upper
178 100
176 18.9 16.3 24.5
179 14.6 12.7 19.1





#75

Fluoranthene

Concen: 6.222 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

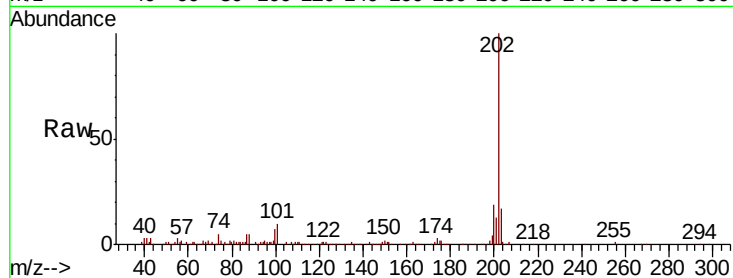
Instrument :

BNA_F

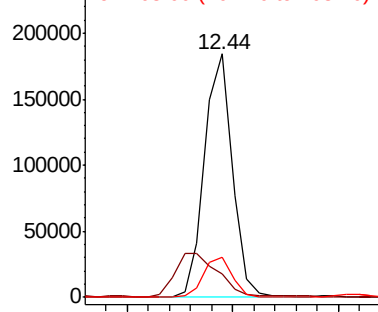
ClientSampleId :

AU-05-031419-A

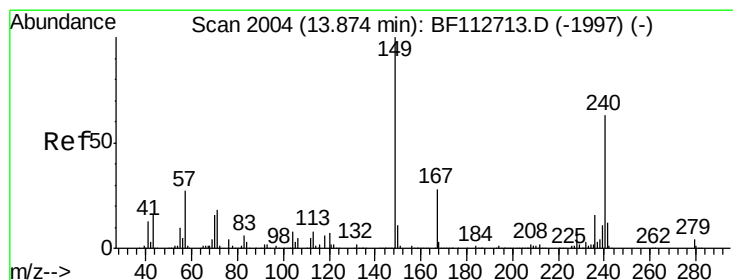
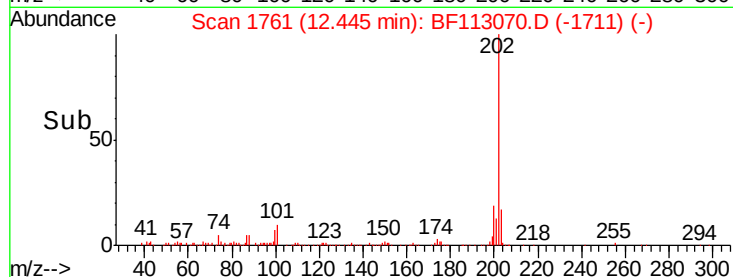
Tgt Ion:	202	Resp:	168401
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	33.8
203	16.7	0.0	38.4



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



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

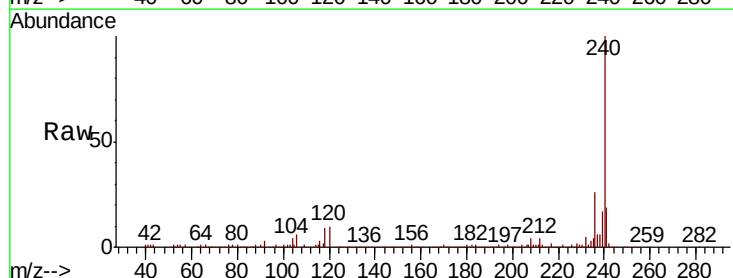
RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

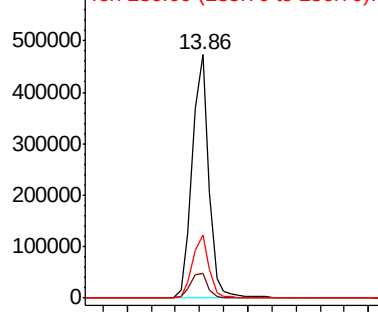
Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

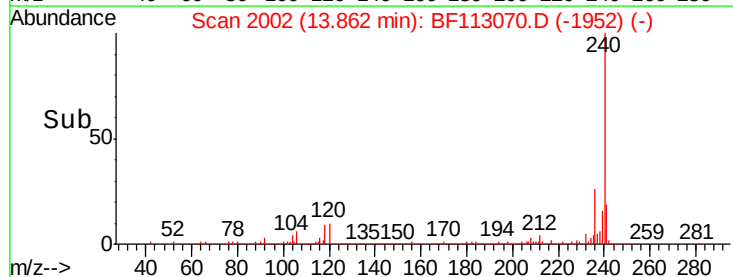
Tgt Ion:	240	Resp:	449520
Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.9	13.3
236	26.2	20.7	31.1

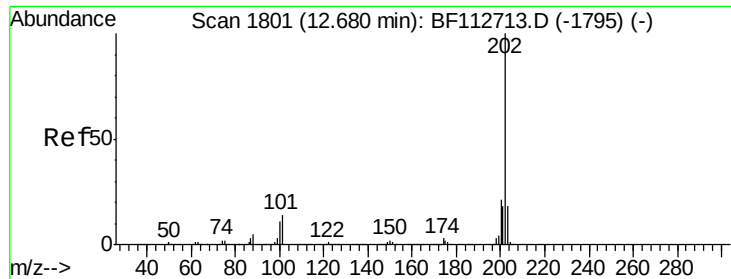


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Pyrene

Concen: 3.577 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

Instrument :

BNA_F

ClientSampleId :

AU-05-031419-A

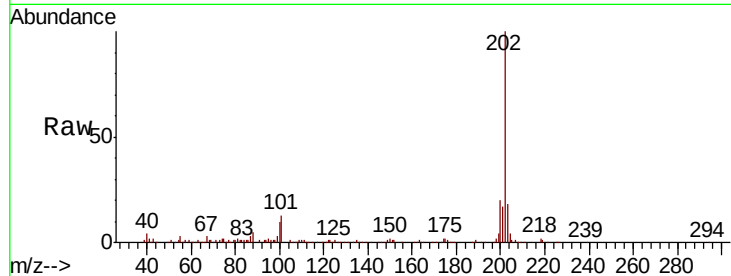
Tgt Ion:202 Resp: 135553

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

203 18.2 14.4 21.6

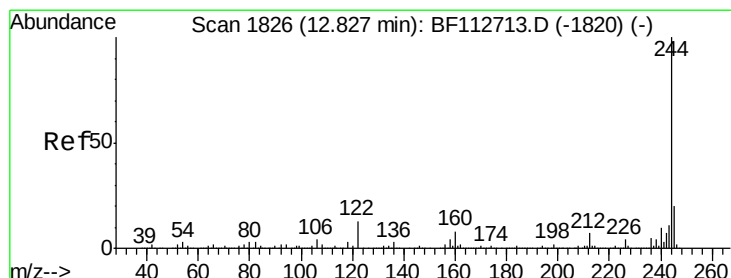
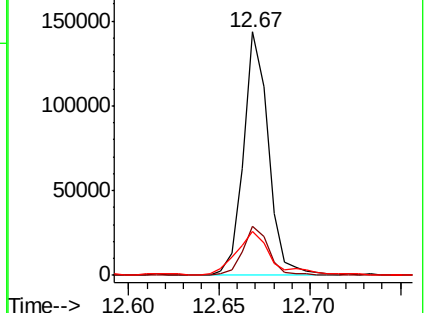
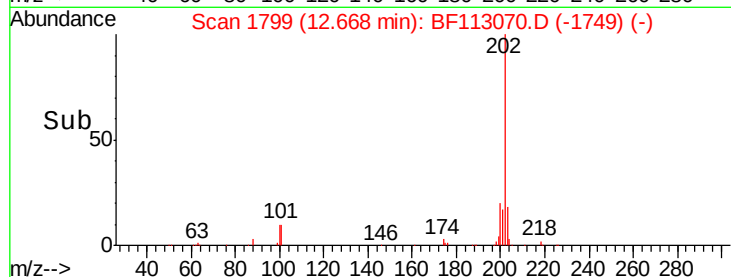


Abundance

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: 14.902 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113070.D

Acq: 15 Mar 2019 17:17

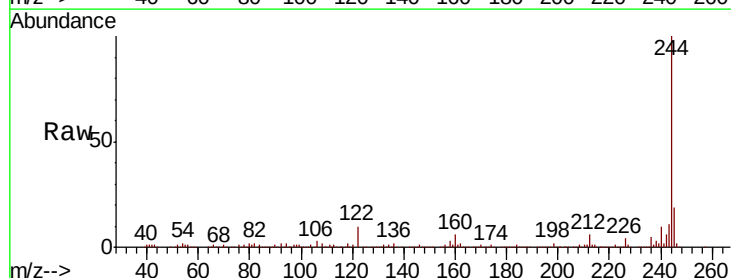
Tgt Ion:244 Resp: 345567

Ion Ratio Lower Upper

244 100

212 6.1 5.6 8.4

122 10.4 10.5 15.7#

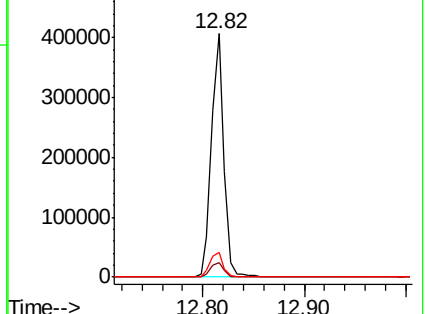
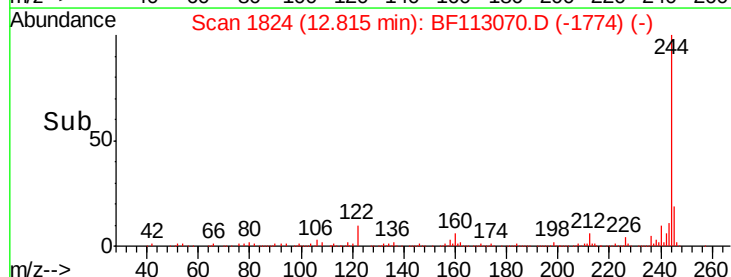


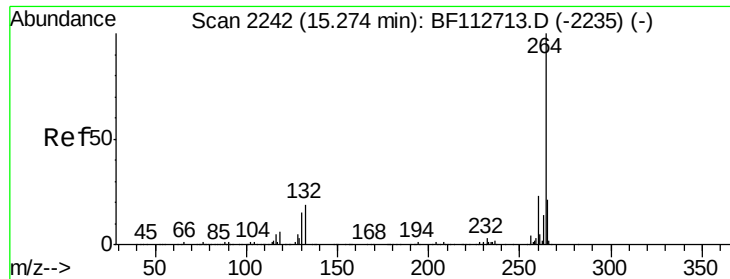
Abundance

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

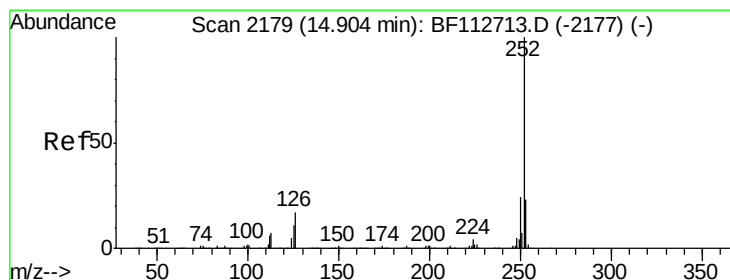
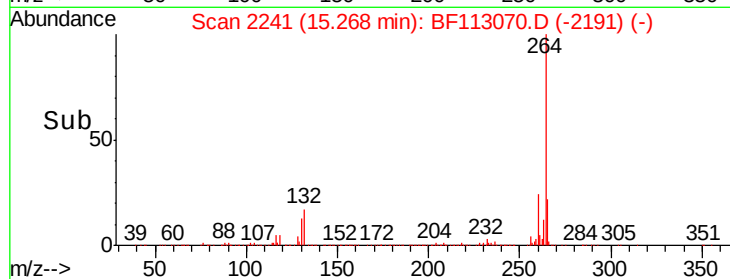
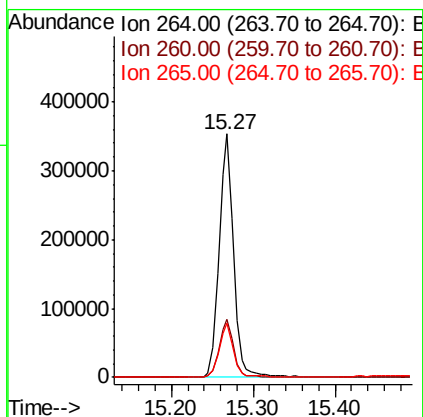
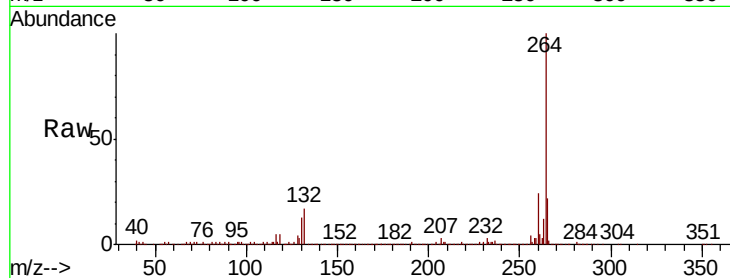




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113070.D
Acq: 15 Mar 2019 17:17

Instrument :
BNA_F
ClientSampleId :
AU-05-031419-A

Tgt Ion:264 Resp: 440083
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 22.0 17.2 25.8



#89
Benzo(k)fluoranthene
Concen: 2.159 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF113070.D
Acq: 15 Mar 2019 17:17

Tgt Ion:252 Resp: 55671
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.2
125 15.4 9.8 14.6#

