

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
 Data File : BF112901.D
 Acq On : 7 Mar 2019 00:43
 Operator : JU/SJ
 Sample : K1705-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW005-022719

Quant Time: Mar 07 04:52:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	231568	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	837567	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	344888	20.00	ng	0.00
64) Phenanthrene-d10	11.23	188	610761	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	620432	20.00	ng	-0.01
87) Perylene-d12	15.26	264	649939	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1233344	82.85	ng	0.00
7) Phenol-d6	6.37	99	1553051	83.05	ng	0.00
23) Nitrobenzene-d5	7.29	82	939892	67.15	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	354452	96.81	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1375884	61.44	ng	-0.01
79) Terphenyl-d14	12.82	244	1200923	37.52	ng	-0.01

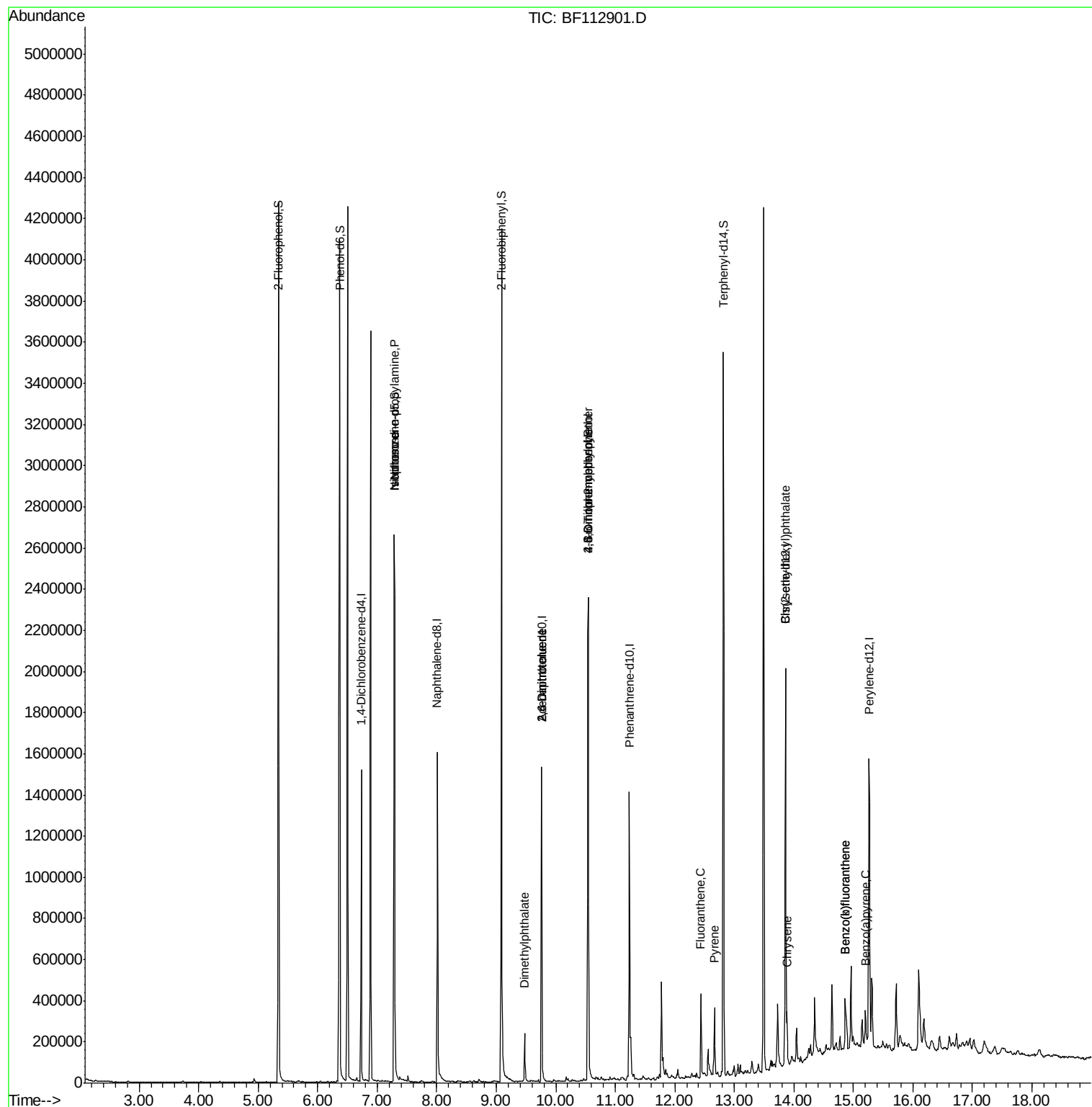
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	122431	10.337	ng	# 77
25) Isophorone	7.29	82	935094	31.010	ng	# 66
50) Dimethylphthalate	9.48	163	107806	4.239	ng	99
51) 2,6-Dinitrotoluene	9.76	165	43566	8.227	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	43567	6.619	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.54	198	441	4.772	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	19265	2.995	ng	# 1
75) Fluoranthene	12.44	202	168417	5.173	ng	97
78) Pyrene	12.67	202	144443	2.762	ng	99
83) Chrysene	13.89	228	101284	2.405	ng	97
84) Bis(2-ethylhexyl)phthalate	13.86	149	67606	2.497	ng	99
88) Benzo(b)fluoranthene	14.87	252	185412	4.410	ng	99
89) Benzo(k)fluoranthene	14.87	252	185412	4.869	ng	98
90) Benzo(a)pyrene	15.20	252	79859	2.148	ng	98

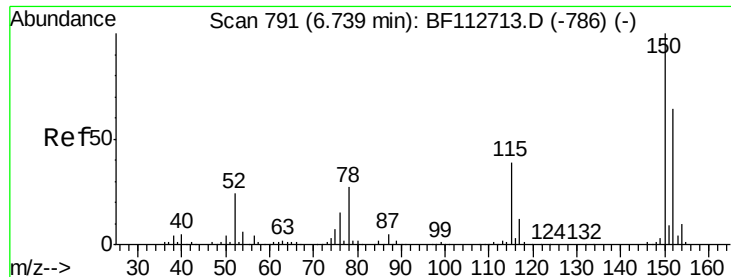
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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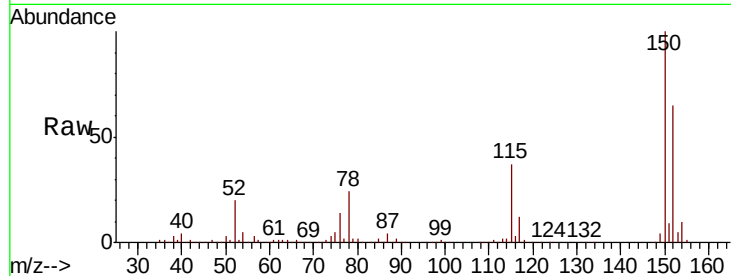


#1

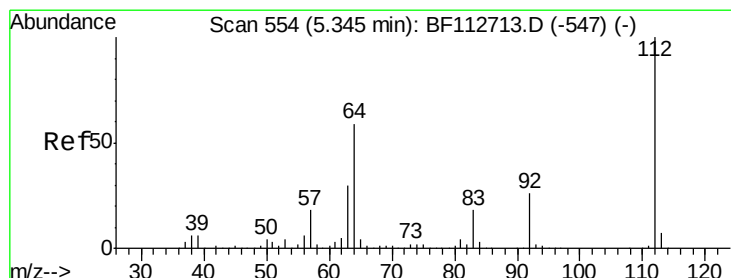
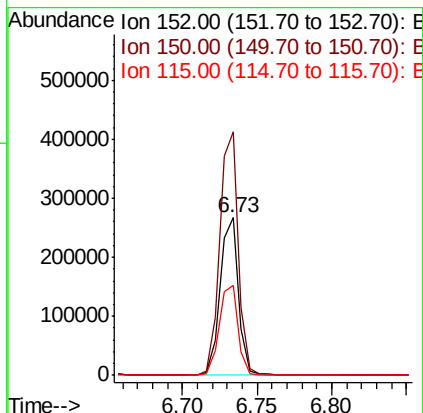
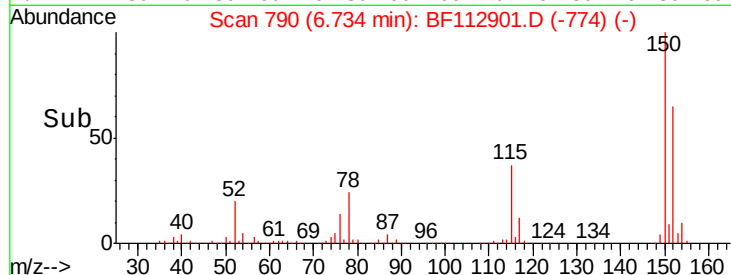
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF112901.D
Acq: 7 Mar 2019 00:43

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW005-022719

Tgt Ion:152 Resp: 231568
Ion Ratio Lower Upper
152 100
150 154.6 124.2 186.2
115 57.2 48.2 72.4



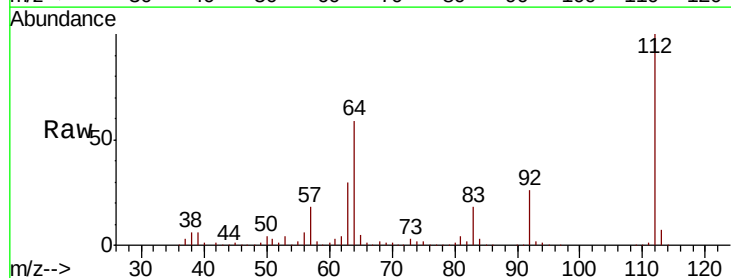
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



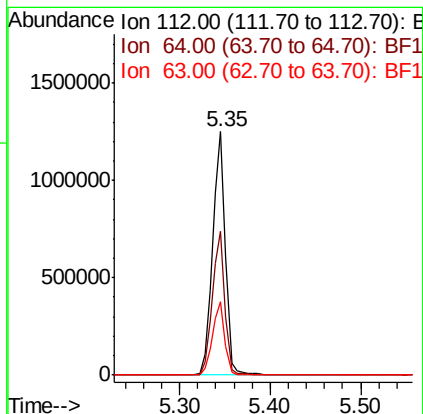
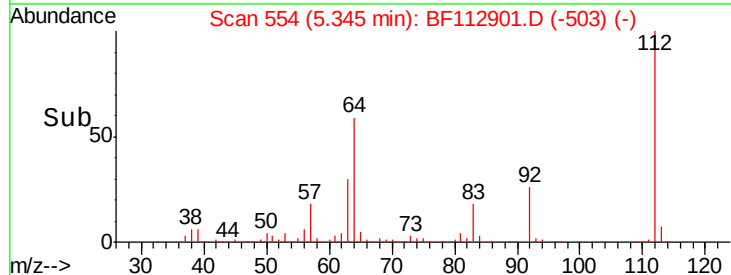
#5

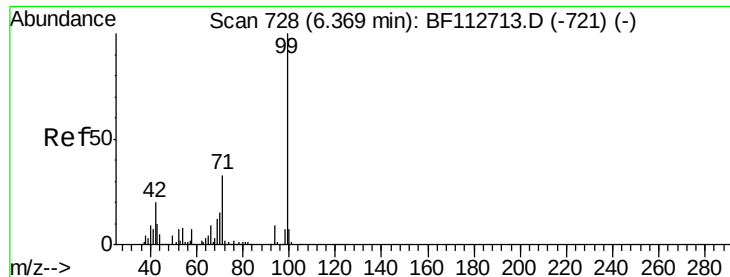
2-Fluorophenol
Concen: 82.849 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF112901.D
Acq: 7 Mar 2019 00:43

Tgt Ion:112 Resp: 1233344
Ion Ratio Lower Upper
112 100
64 59.2 47.6 71.4
63 30.3 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: 83.051 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112901.D

Acq: 7 Mar 2019 00:43

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW005-022719

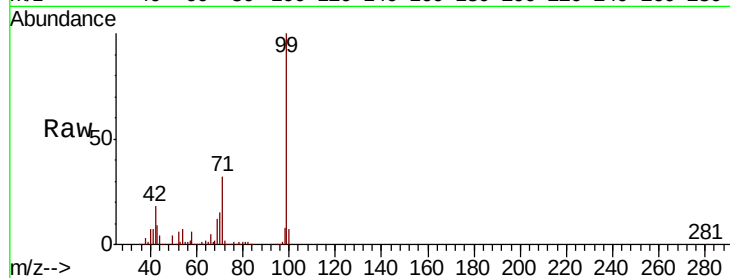
Tgt Ion: 99 Resp: 1553051

Ion Ratio Lower Upper

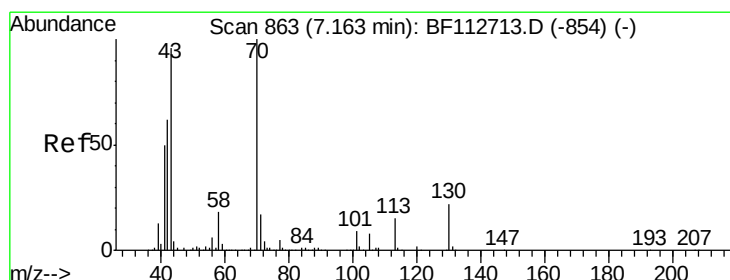
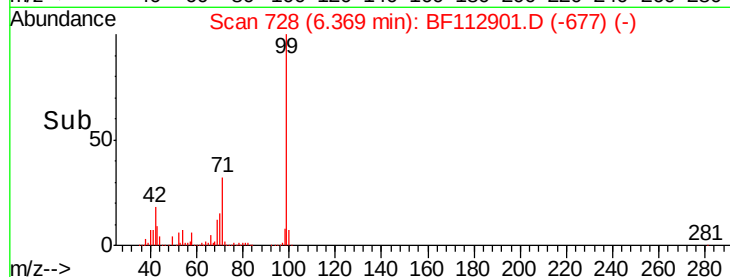
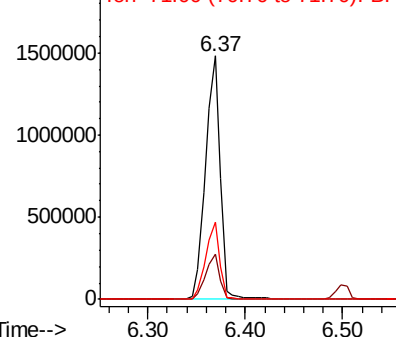
99 100

42 18.4 16.3 24.5

71 31.7 26.2 39.4



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: 10.337 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF112901.D

Acq: 7 Mar 2019 00:43

Tgt Ion: 70 Resp: 122431

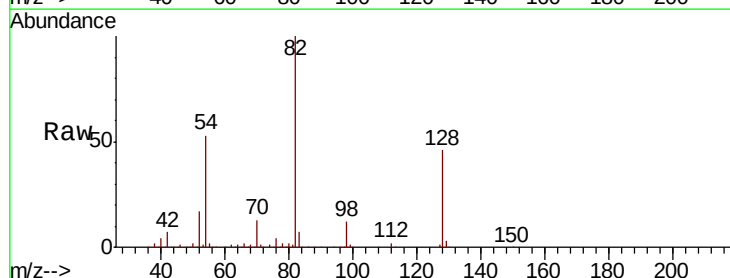
Ion Ratio Lower Upper

70 100

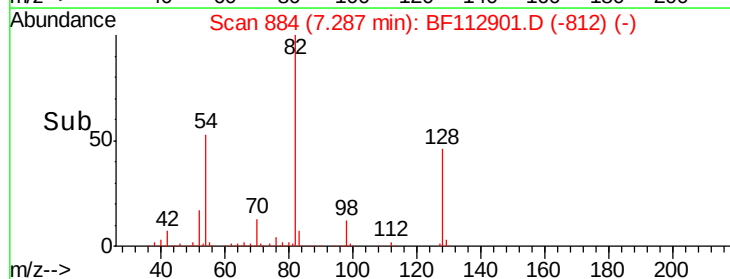
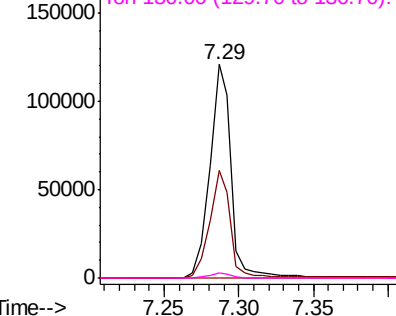
42 50.1 49.9 74.9

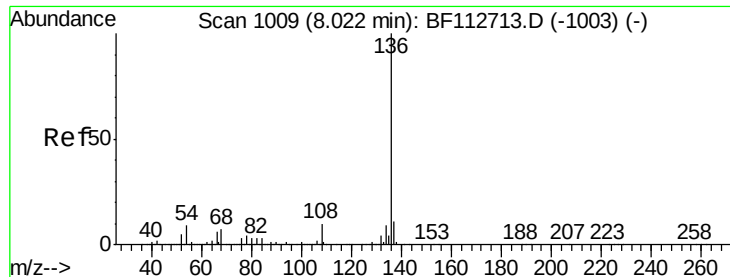
101 0.0 7.4 11.2#

130 2.4 17.4 26.2#



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

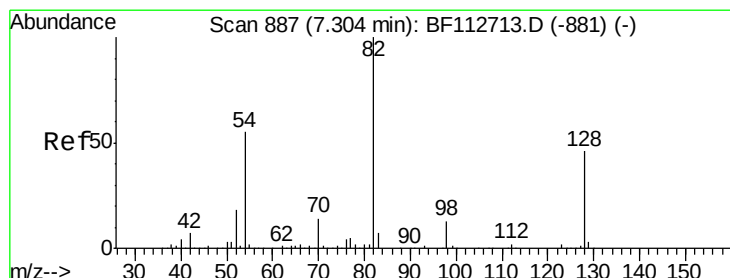
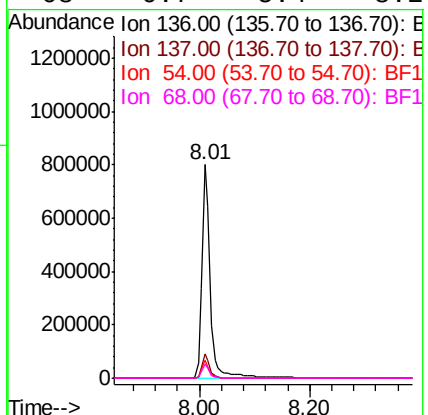
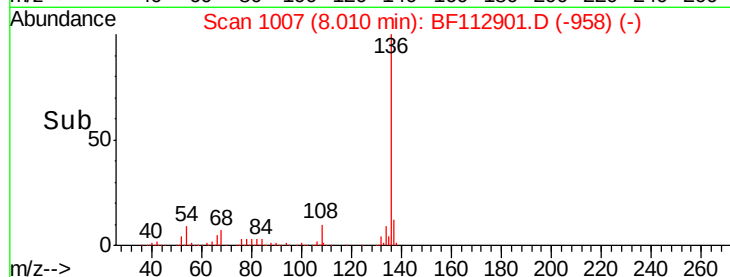
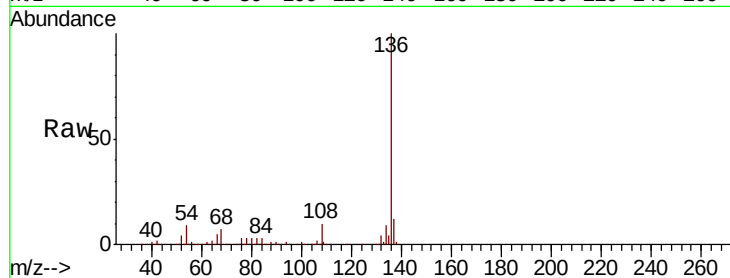




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112901.D
Acq: 7 Mar 2019 00:43

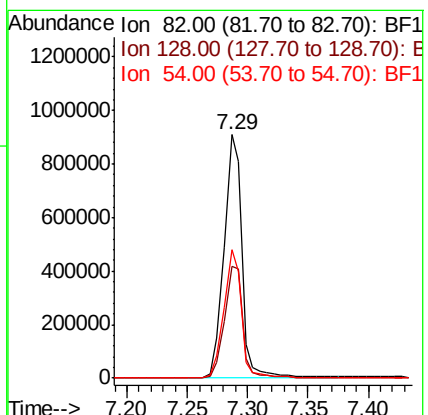
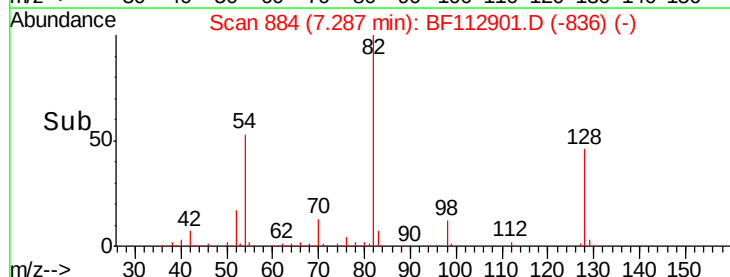
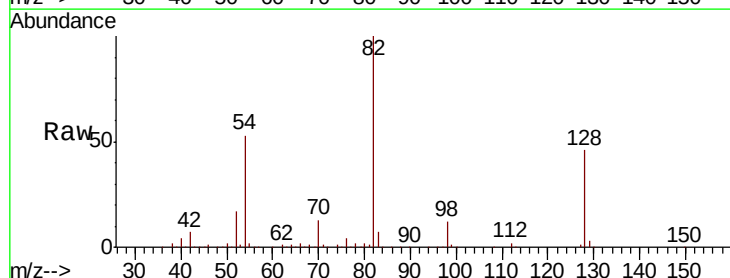
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EXT-028-SW005-022719

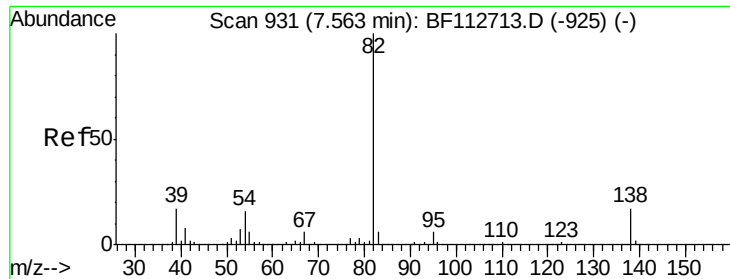
Tgt Ion:	136	Resp:	837567
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.9	13.3
54	8.6	7.3	10.9
68	6.7	5.4	8.2



#23
Nitrobenzene-d5
Concen: 67.148 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112901.D
Acq: 7 Mar 2019 00:43

Tgt Ion:	82	Resp:	939892
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.3	54.5
54	52.5	43.7	65.5





#25

Isophorone

Concen: 31.010 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF112901.D

Acq: 7 Mar 2019 00:43

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW005-022719

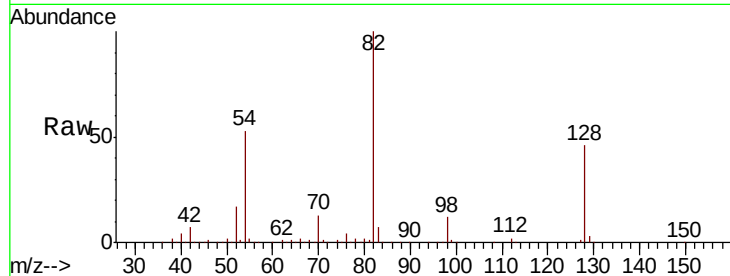
Tgt Ion: 82 Resp: 935094

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

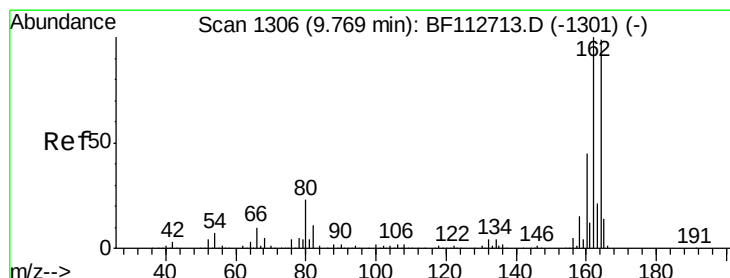
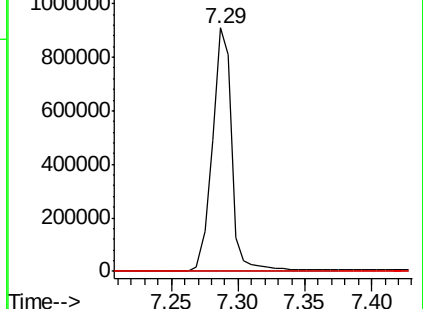
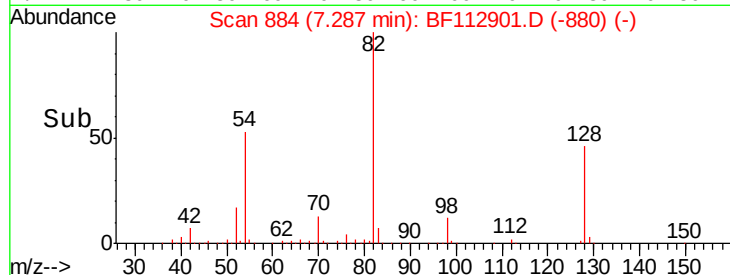
138 0.0 13.8 20.8#



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# 1305

Delta R.T. -0.01 min

Lab File: BF112901.D

Acq: 7 Mar 2019 00:43

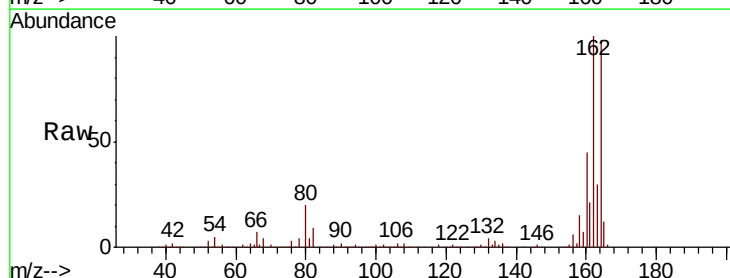
Tgt Ion: 164 Resp: 344888

Ion Ratio Lower Upper

164 100

162 102.0 80.6 120.8

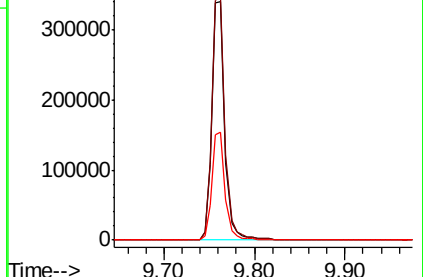
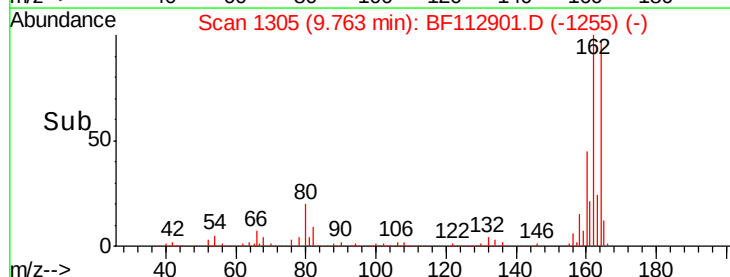
160 45.5 36.0 54.0

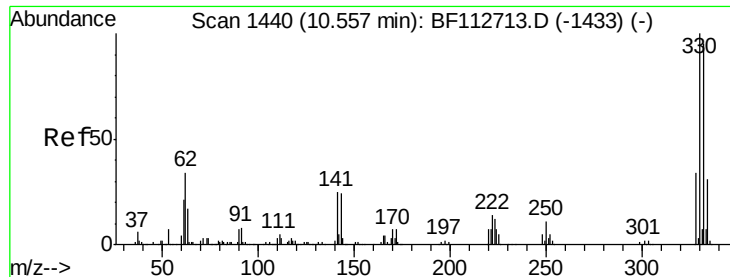


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

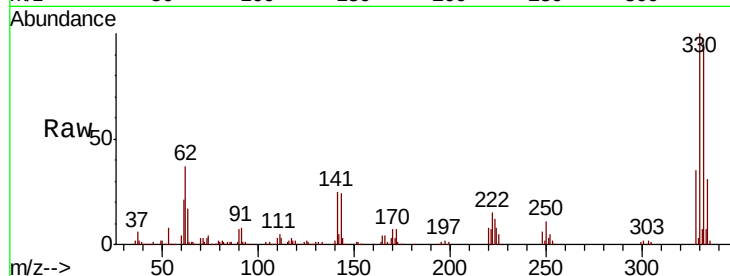




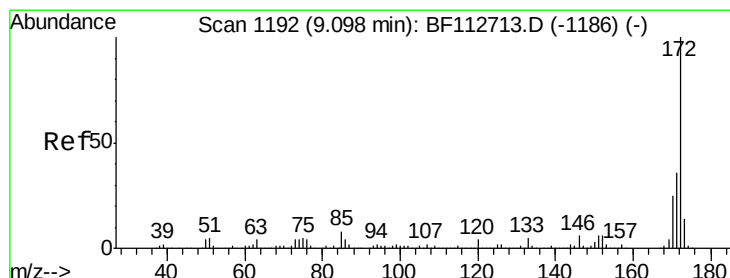
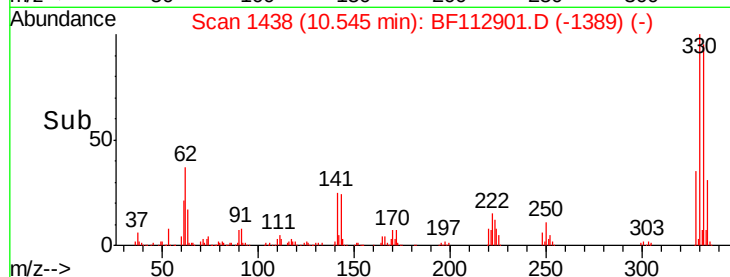
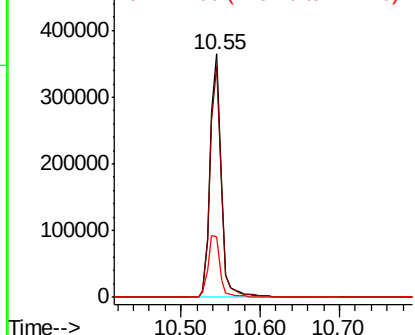
#42
 2,4,6-Tribromophenol
 Concen: 96.807 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112901.D
 Acq: 7 Mar 2019 00:43

Instrument :
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 EXT-028-SW005-022719

Tgt Ion:330 Resp: 354452
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.2 114.4
 141 27.9 27.0 40.6

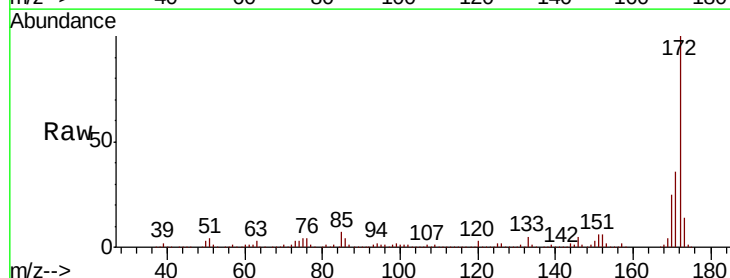


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

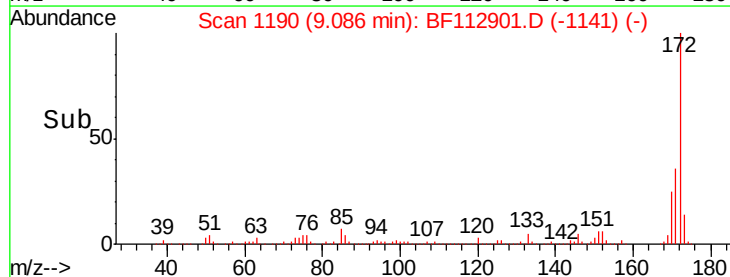
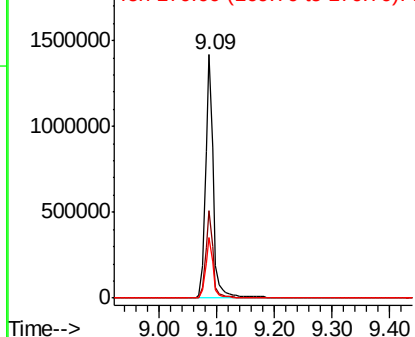


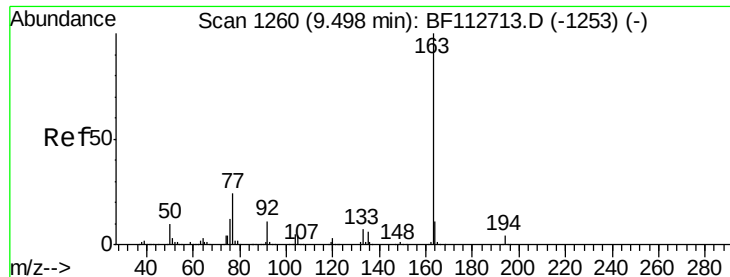
#45
 2-Fluorobiphenyl
 Concen: 61.436 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112901.D
 Acq: 7 Mar 2019 00:43

Tgt Ion:172 Resp: 1375884
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.4
 170 24.9 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

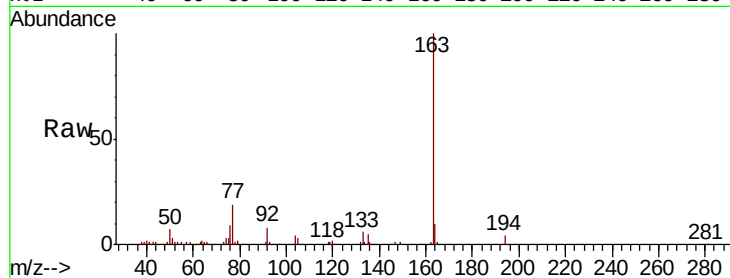




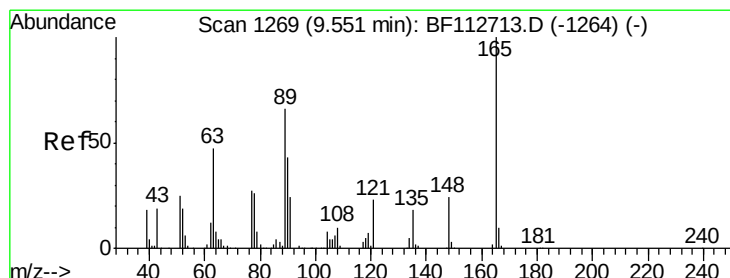
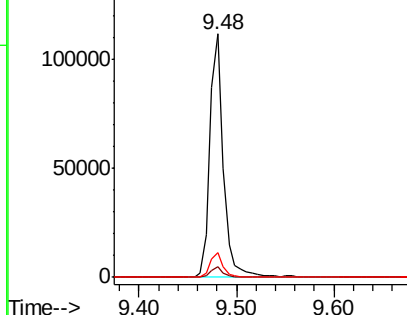
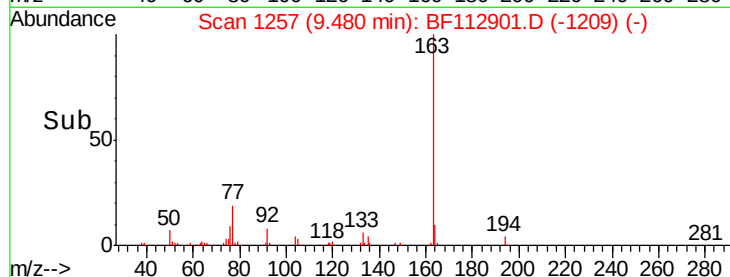
#50
Dimethylphthalate
Concen: 4.239 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112901.D
Acq: 7 Mar 2019 00:43

Instrument :
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EXT-028-SW005-022719

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.4
164	10.3	8.4	12.6

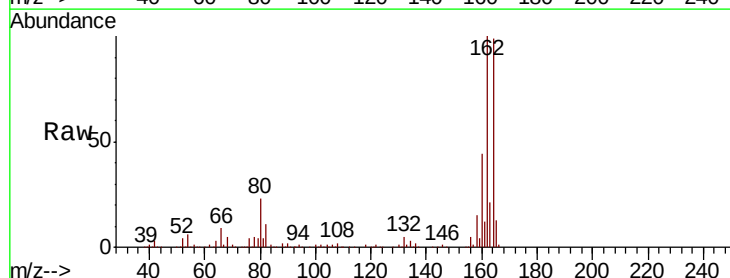


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

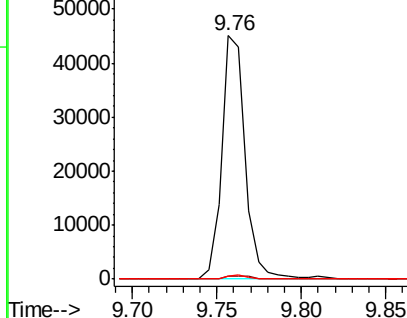
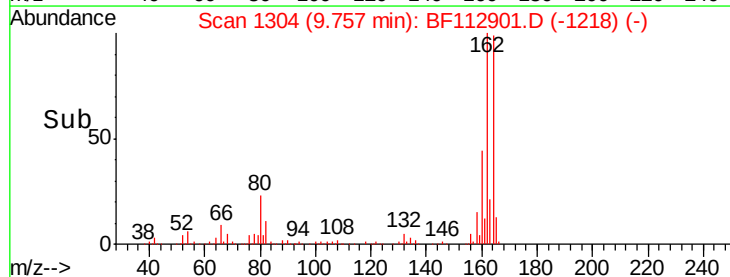


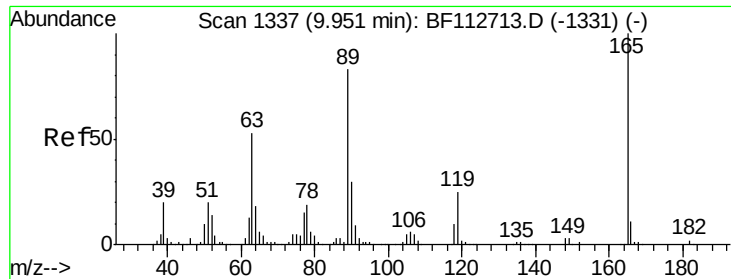
#51
2,6-Dinitrotoluene
Concen: 8.227 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF112901.D
Acq: 7 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	54.1	81.1#
89	1.2	52.8	79.2#



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

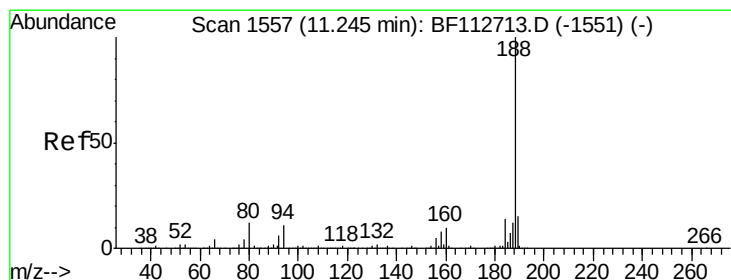
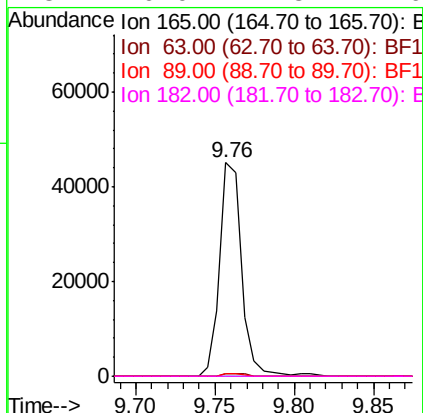
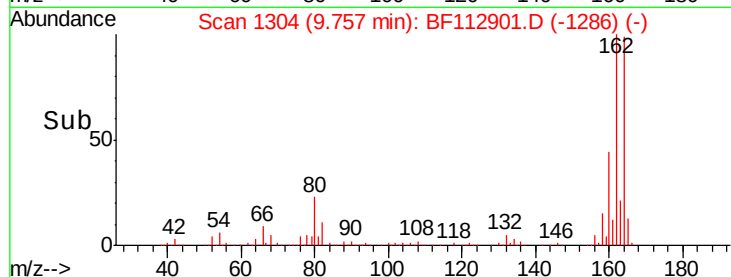
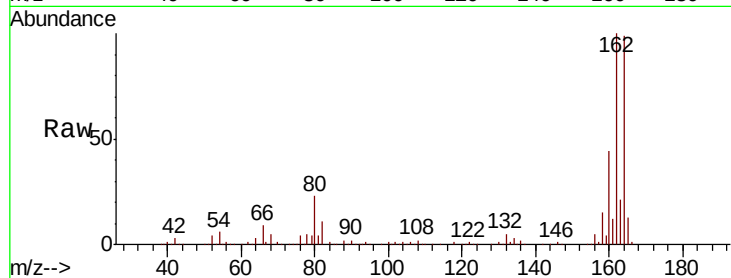




#57
2,4-Dinitrotoluene
Concen: 6.619 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF112901.D
Acq: 7 Mar 2019 00:43

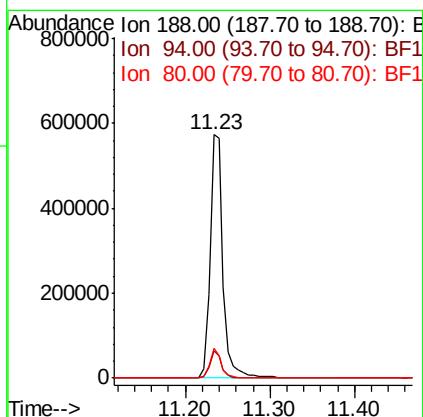
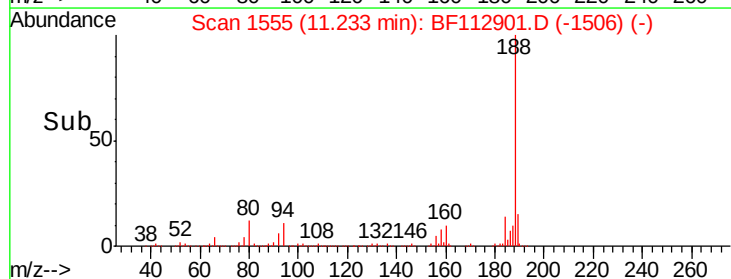
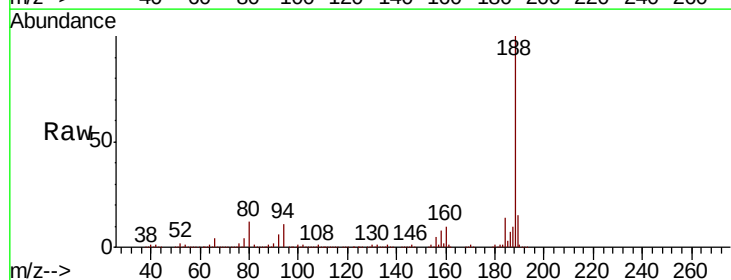
Instrument :
BNA_F
ClientSampleId :
EXT-028-SW005-022719

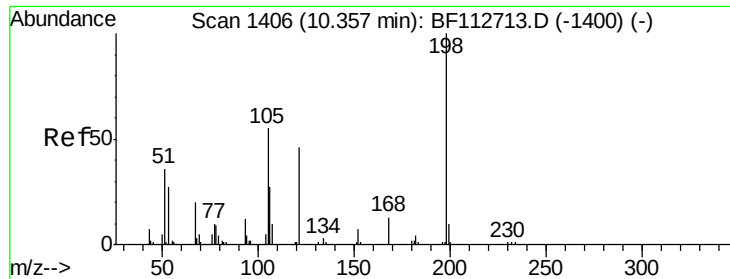
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.2	63.2#
89	1.2	66.2	99.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF112901.D
Acq: 7 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.0	13.4
80	12.0	9.2	13.8

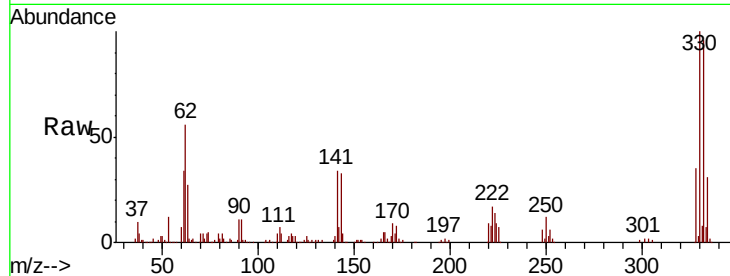




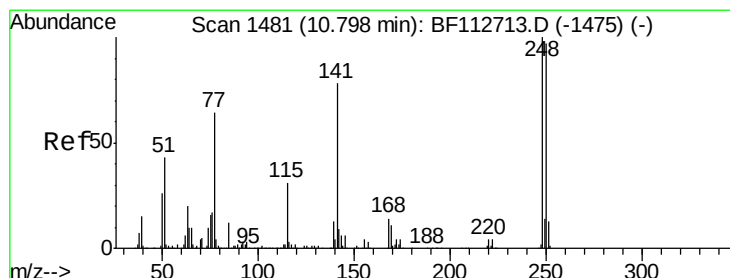
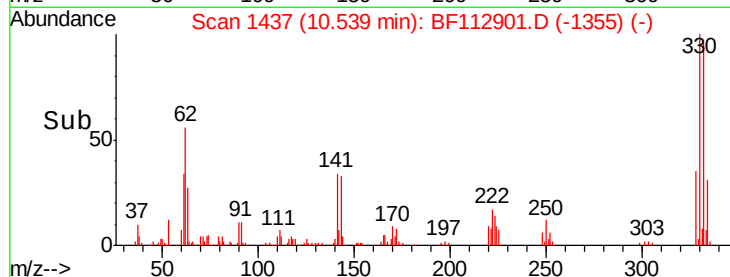
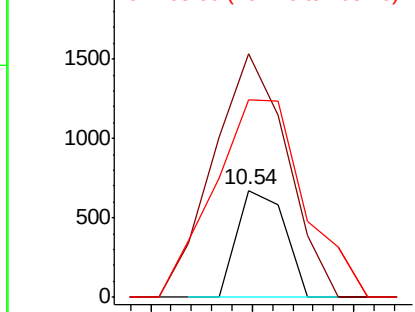
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.772 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.18 min
 Lab File: BF112901.D
 Acq: 7 Mar 2019 00:43

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW005-022719

Tgt Ion:198 Resp: 441
 Ion Ratio Lower Upper
 198 100
 51 228.3 43.8 83.8#
 105 184.8 36.5 76.5#

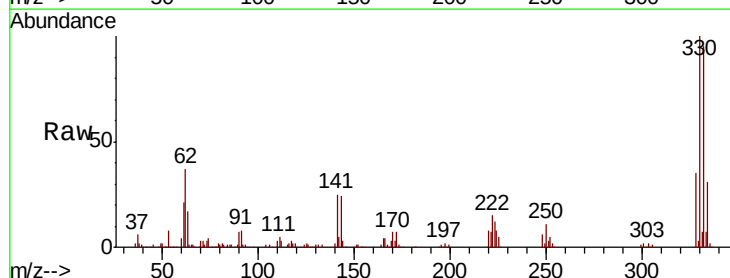


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

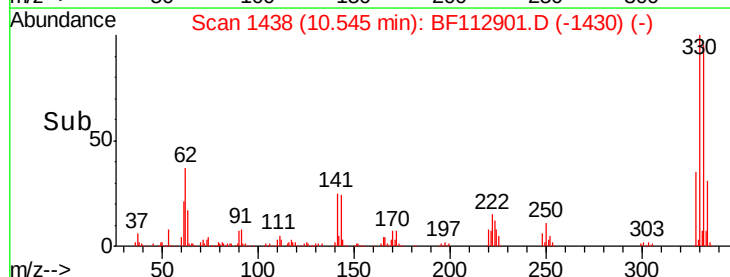
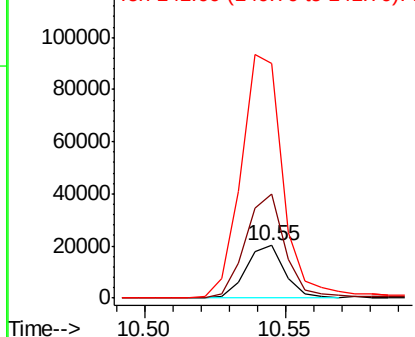


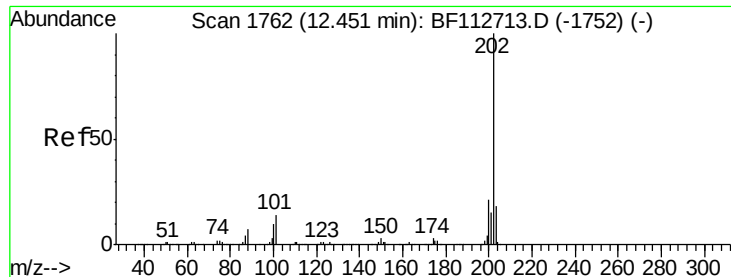
#67
 4-Bromophenyl-phenylether
 Concen: 2.995 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112901.D
 Acq: 7 Mar 2019 00:43

Tgt Ion:248 Resp: 19265
 Ion Ratio Lower Upper
 248 100
 250 196.8 77.5 116.3#
 141 446.3 62.4 93.6#



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





#75

Fluoranthene

Concen: 5.173 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF112901.D

Acq: 7 Mar 2019 00:43

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW005-022719

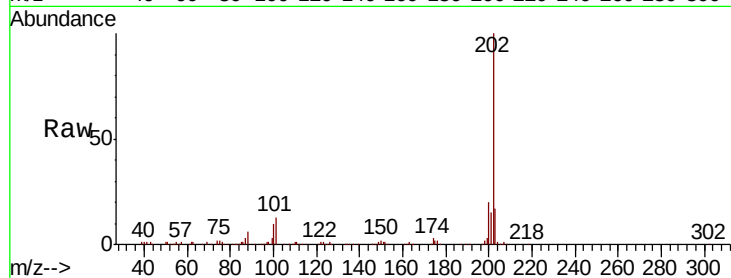
Tgt Ion:202 Resp: 168417

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.8

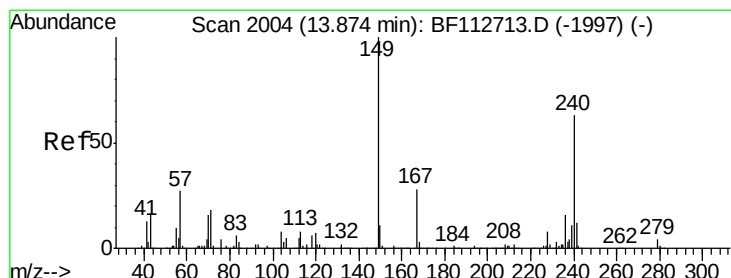
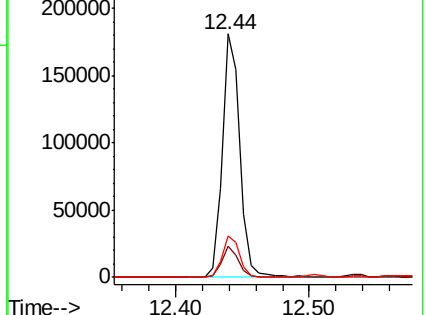
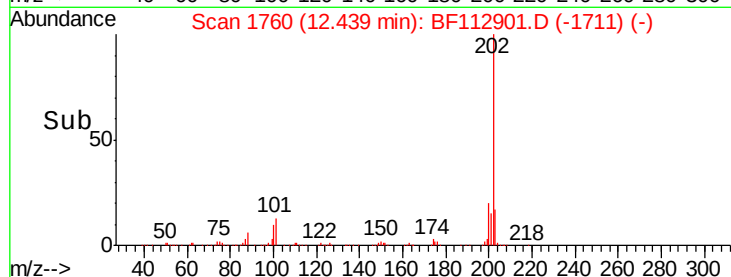
203 16.8 0.0 38.4



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF112901.D

Acq: 7 Mar 2019 00:43

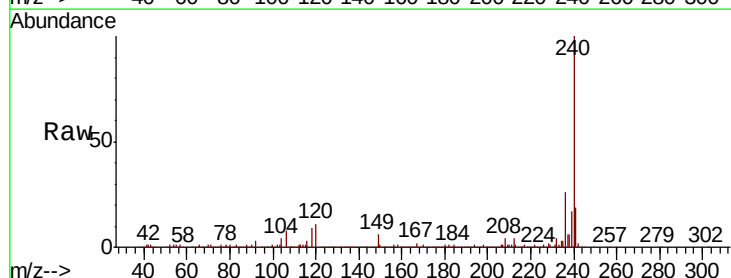
Tgt Ion:240 Resp: 620432

Ion Ratio Lower Upper

240 100

120 11.3 8.9 13.3

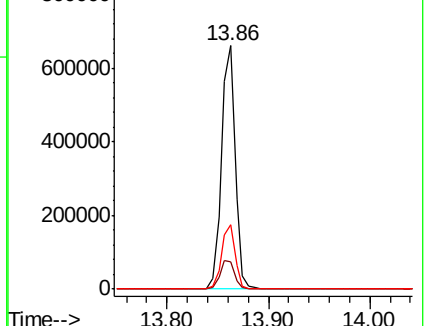
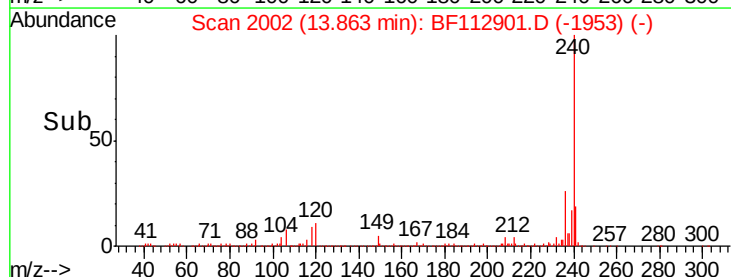
236 26.5 20.7 31.1

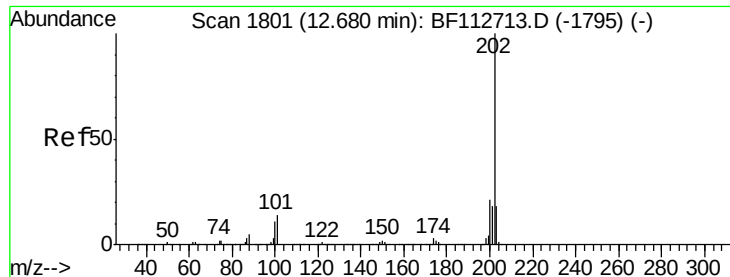


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

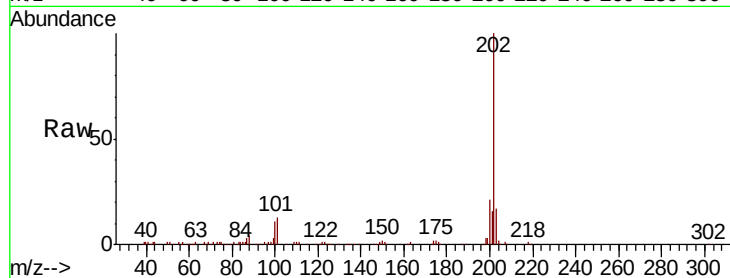




#78
 Pyrene
 Concen: 2.762 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: BF112901.D
 Acq: 7 Mar 2019 00:43

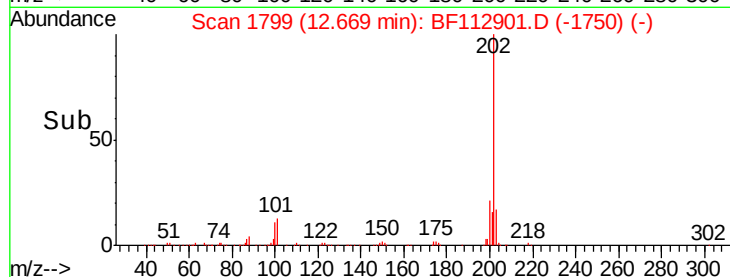
Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW005-022719

Tgt Ion: 202 Resp: 144443
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.0 25.4
 203 17.3 14.4 21.6

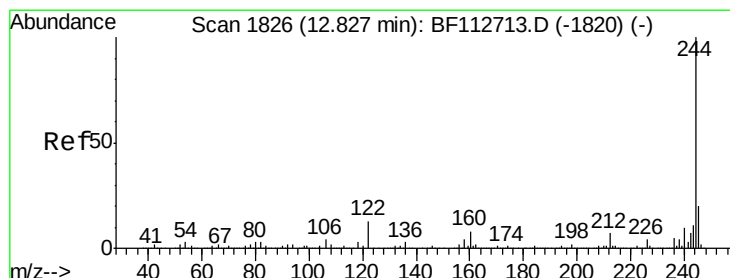


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

12.67

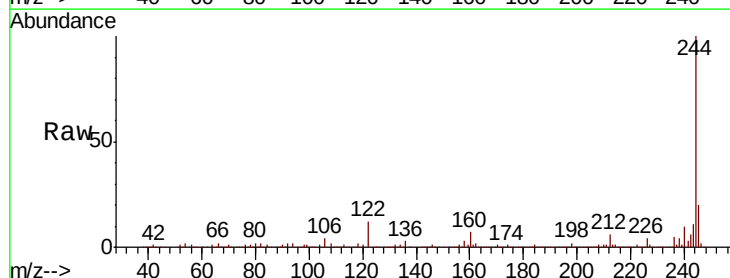


Time-->



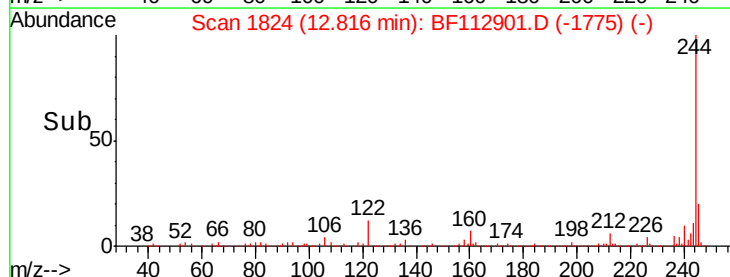
#79
 Terphenyl-d14
 Concen: 37.522 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112901.D
 Acq: 7 Mar 2019 00:43

Tgt Ion: 244 Resp: 1200923
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 11.7 10.5 15.7

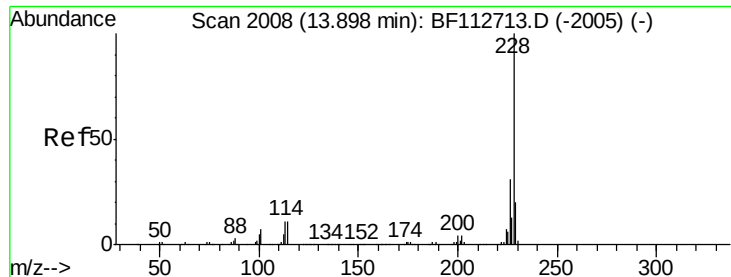


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

12.82



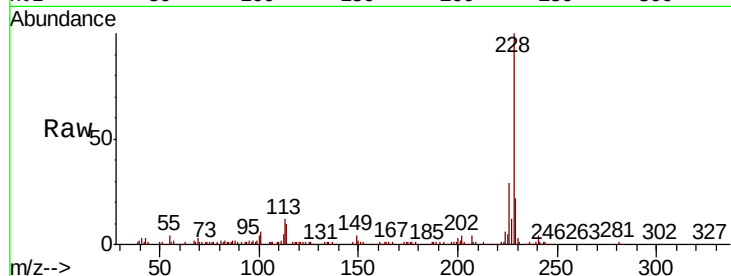
Time-->



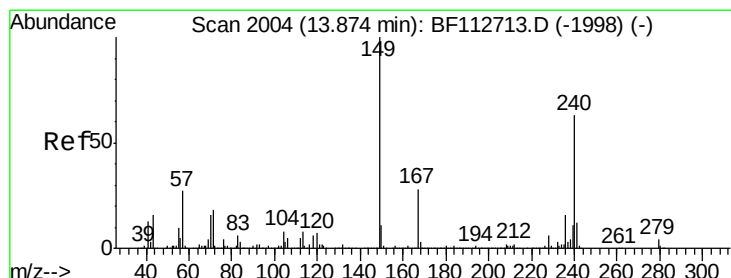
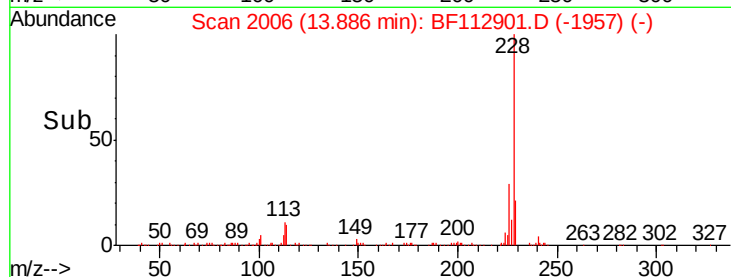
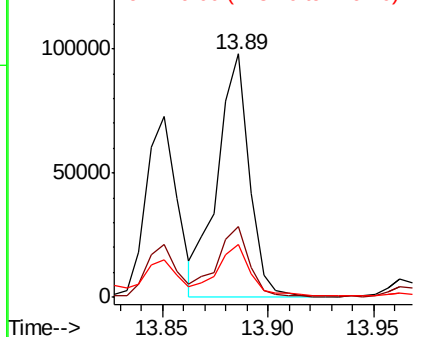
#83
Chrysene
Concen: 2.405 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112901.D
Acq: 7 Mar 2019 00:43

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW005-022719

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	21.6	16.3	24.5

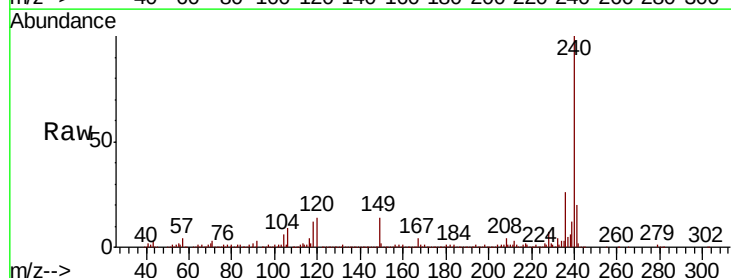


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

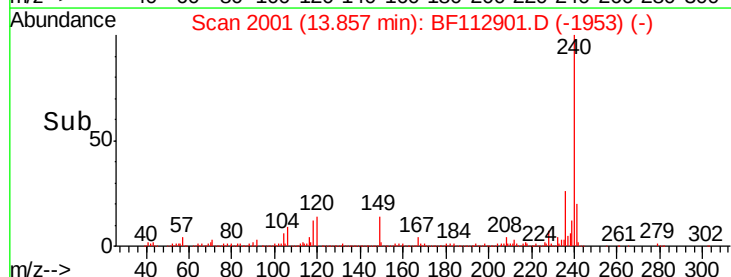
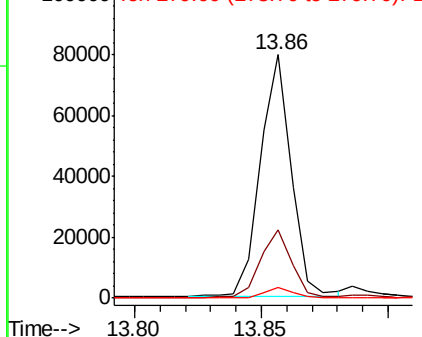


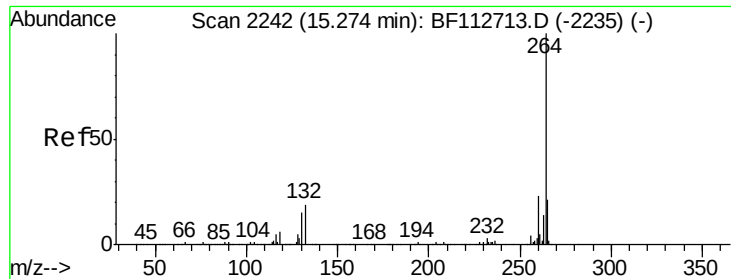
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.497 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF112901.D
Acq: 7 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.4	33.6
279	4.3	3.3	4.9



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

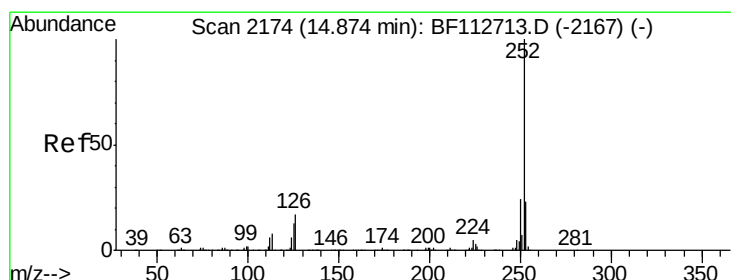
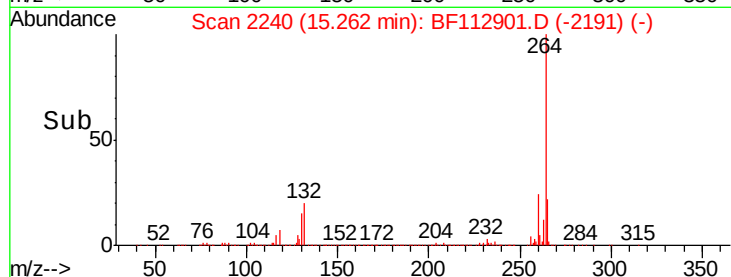
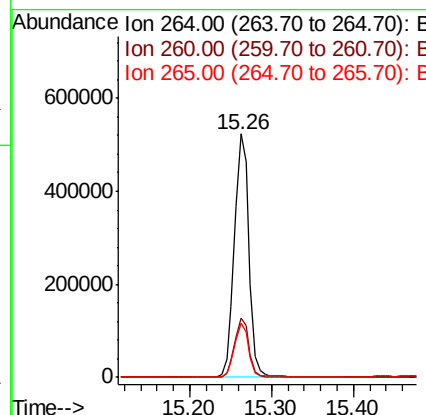
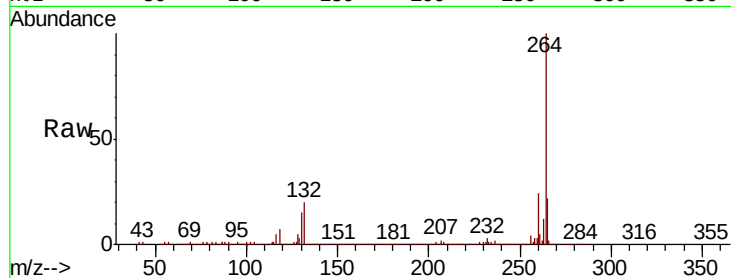




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF112901.D
Acq: 7 Mar 2019 00:43

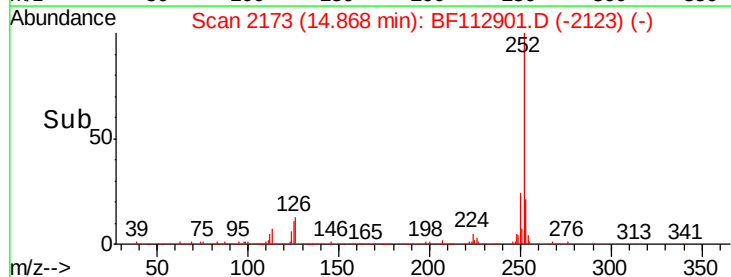
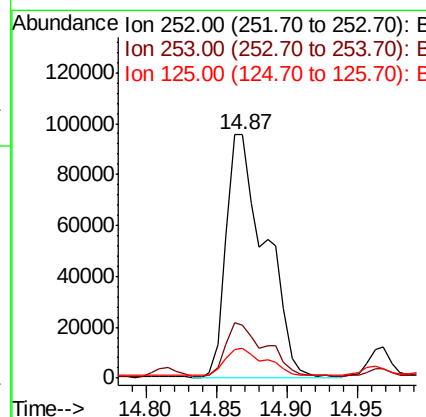
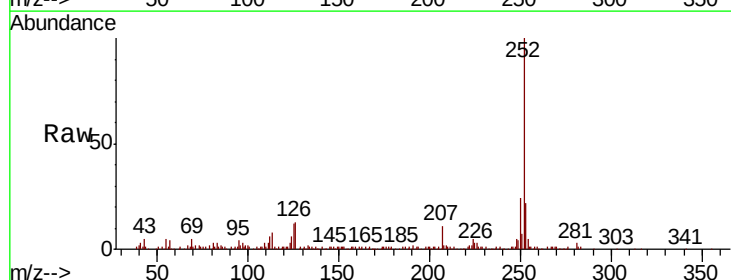
Instrument :
BNA_F
ClientSampleId :
EXT-028-SW005-022719

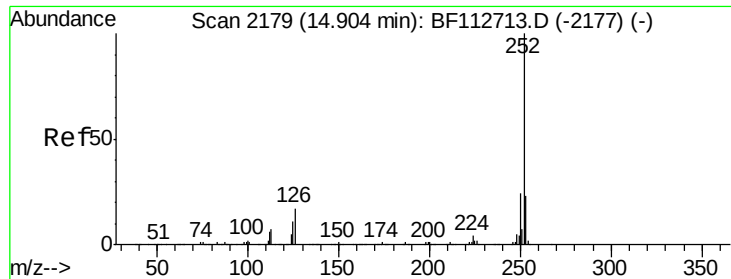
Tgt Ion:264 Resp: 649939
Ion Ratio Lower Upper
264 100
260 24.5 18.7 28.1
265 22.4 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 4.410 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112901.D
Acq: 7 Mar 2019 00:43

Tgt Ion:252 Resp: 185412
Ion Ratio Lower Upper
252 100
253 21.6 18.0 27.0
125 12.4 10.2 15.2

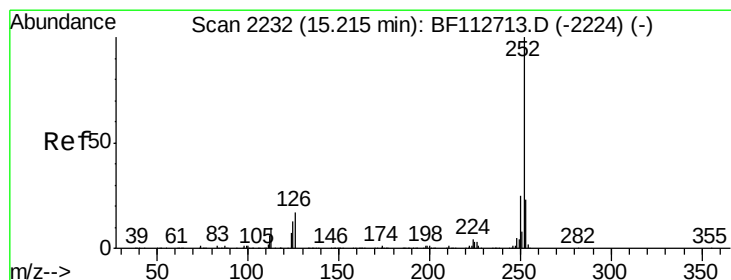
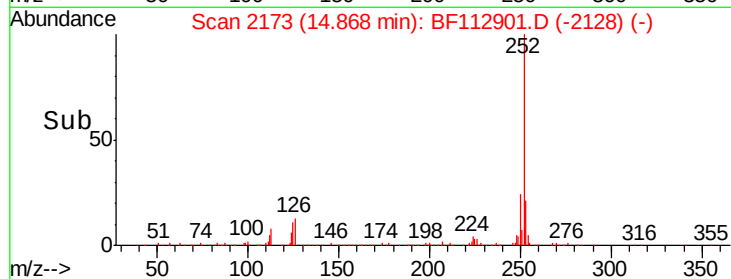
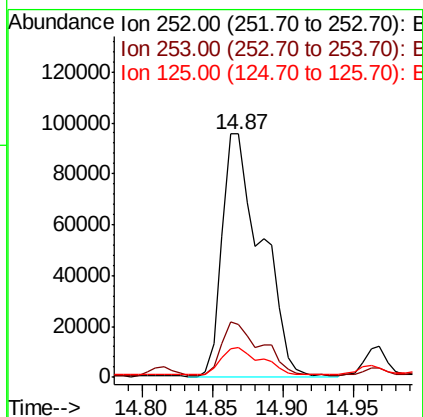
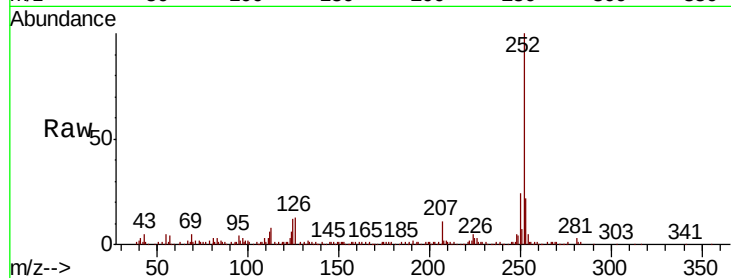




#89
Benzo(k)fluoranthene
Concen: 4.869 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF112901.D
Acq: 7 Mar 2019 00:43

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW005-022719

Tgt Ion:252 Resp: 185412
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.2
125 12.4 9.8 14.6



#90
Benzo(a)pyrene
Concen: 2.148 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF112901.D
Acq: 7 Mar 2019 00:43

Tgt Ion:252 Resp: 79859
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 12.1 10.7 16.1

