

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031119\
 Data File : BF112970.D
 Acq On : 11 Mar 2019 22:22
 Operator : JU/SJ
 Sample : K1691-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-030819-D

Quant Time: Mar 12 04:42:47 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

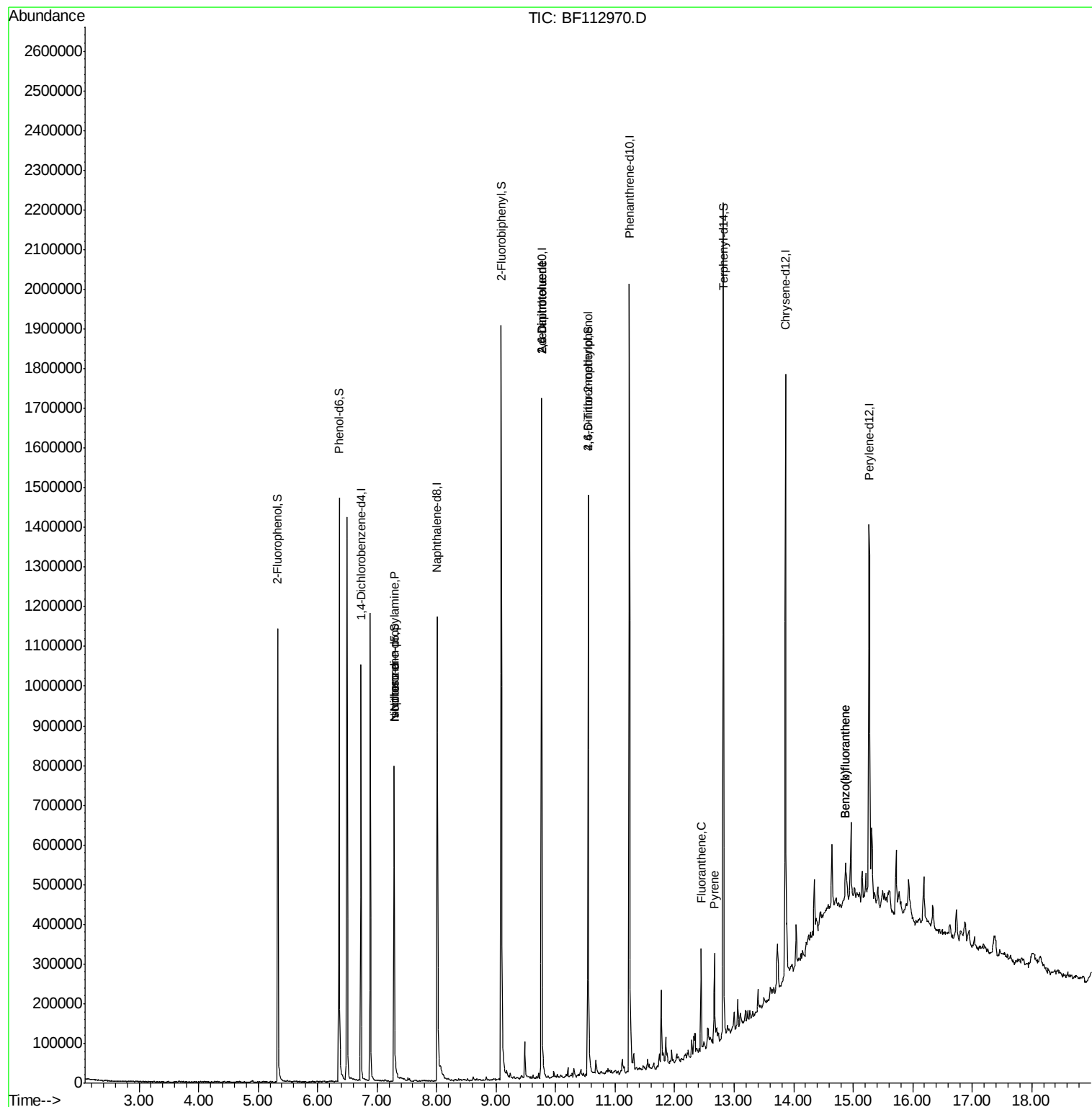
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	148380	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	560449	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	354079	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	756828	20.00	ng	0.00
76) Chrysene-d12	13.86	240	541056	20.00	ng	-0.01
87) Perylene-d12	15.27	264	484563	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	356332	37.36	ng	-0.01
7) Phenol-d6	6.36	99	492067	41.07	ng	0.00
23) Nitrobenzene-d5	7.29	82	277872	29.67	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	204653	54.44	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	659700	25.24	ng	-0.01
79) Terphenyl-d14	12.82	244	795376	28.50	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	36720	4.839	ng	# 76
25) Isophorone	7.29	82	277870	13.771	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	44423	8.171	ng	# 19
57) 2,4-Dinitrotoluene	9.76	165	44424	6.574	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	204	4.672	ng	# 1
75) Fluoranthene	12.44	202	108226	2.683	ng	95
78) Pyrene	12.67	202	102463	2.246	ng	97
88) Benzo(b)fluoranthene	14.87	252	65927	2.103	ng	# 86
89) Benzo(k)fluoranthene	14.87	252	65927	2.322	ng	# 86

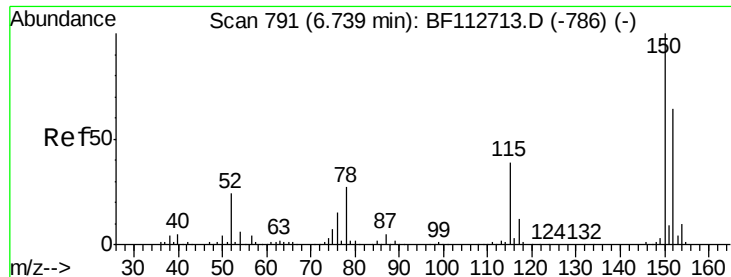
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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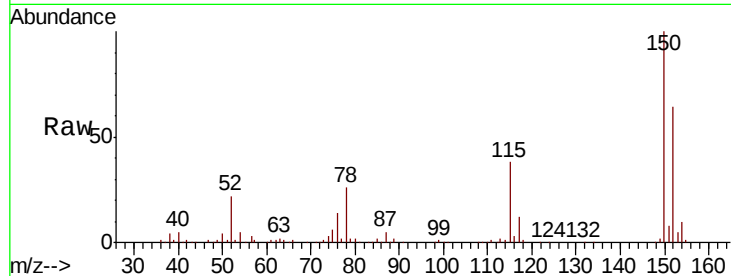


#1

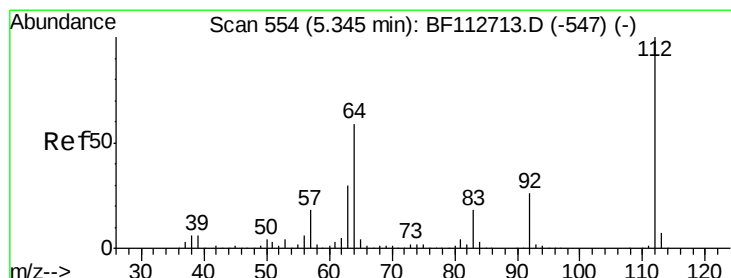
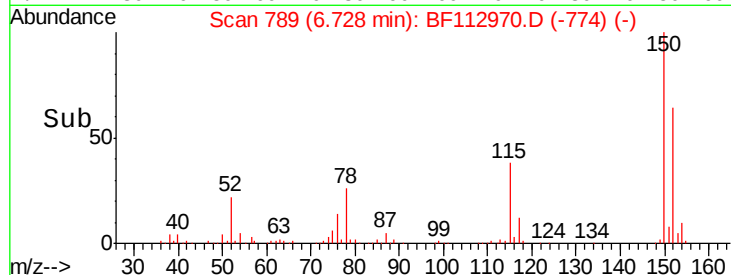
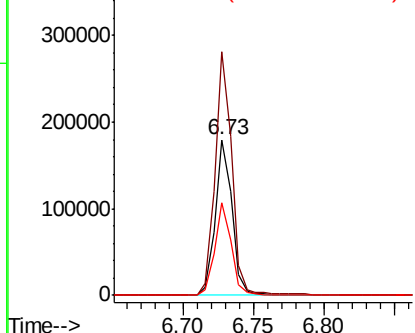
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112970.D
Acq: 11 Mar 2019 22:22

Instrument :
BNA_F
ClientSampleId :
CL-02-030819-D

Tgt Ion:152 Resp: 148380
Ion Ratio Lower Upper
152 100
150 156.2 124.2 186.2
115 59.4 48.2 72.4



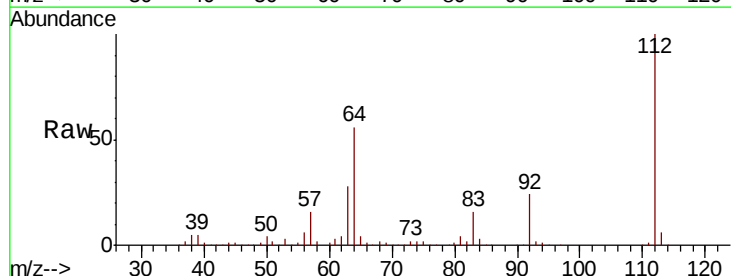
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



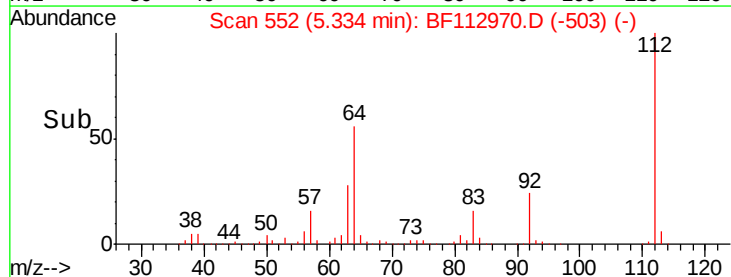
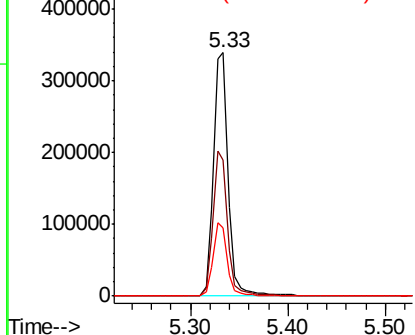
#5

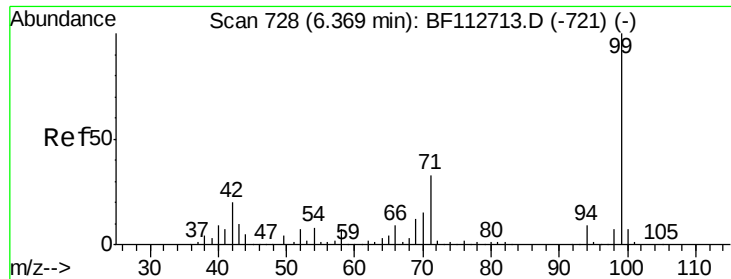
2-Fluorophenol
Concen: 37.356 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112970.D
Acq: 11 Mar 2019 22:22

Tgt Ion:112 Resp: 356332
Ion Ratio Lower Upper
112 100
64 56.0 47.6 71.4
63 27.8 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: 41.066 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112970.D

Acq: 11 Mar 2019 22:22

Instrument :

BNA_F

ClientSampled :

CL-02-030819-D

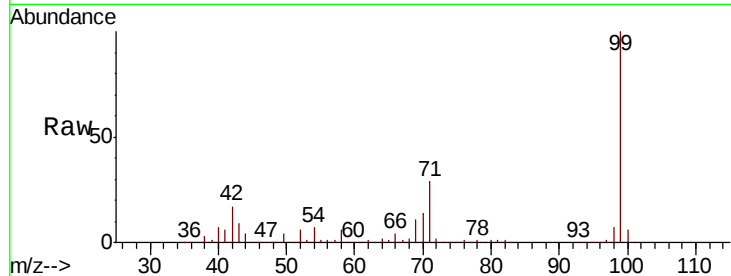
Tgt Ion: 99 Resp: 492067

Ion Ratio Lower Upper

99 100

42 16.9 16.3 24.5

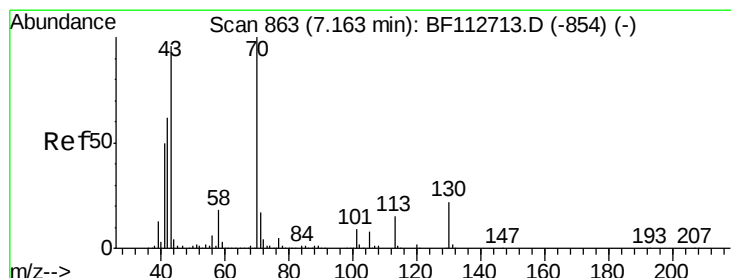
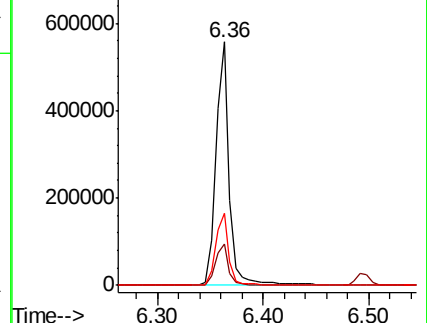
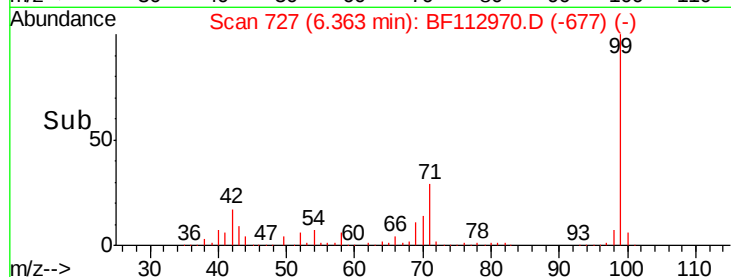
71 29.5 26.2 39.4



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: 4.839 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF112970.D

Acq: 11 Mar 2019 22:22

Tgt Ion: 70 Resp: 36720

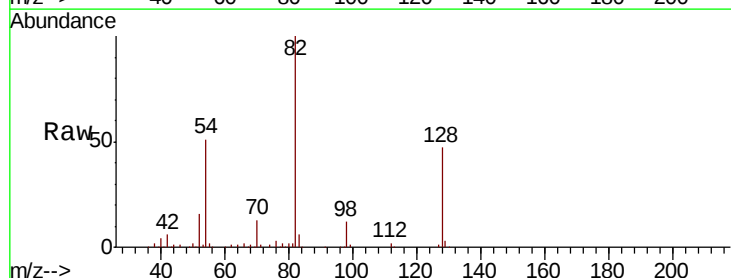
Ion Ratio Lower Upper

70 100

42 49.1 49.9 74.9#

101 0.0 7.4 11.2#

130 2.0 17.4 26.2#

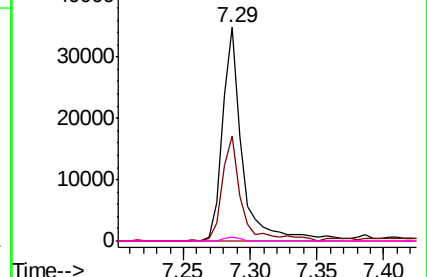
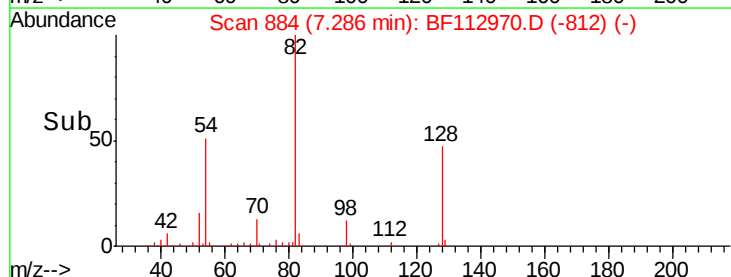


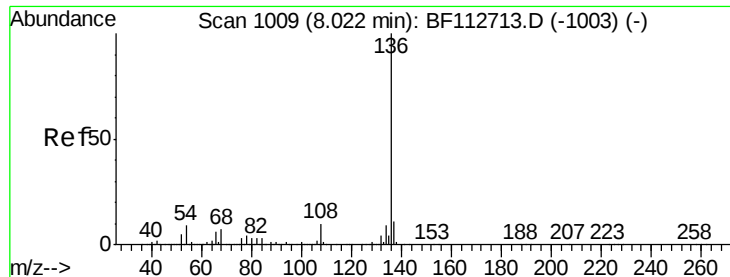
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

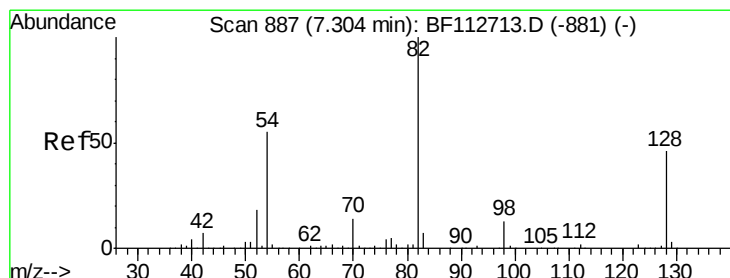
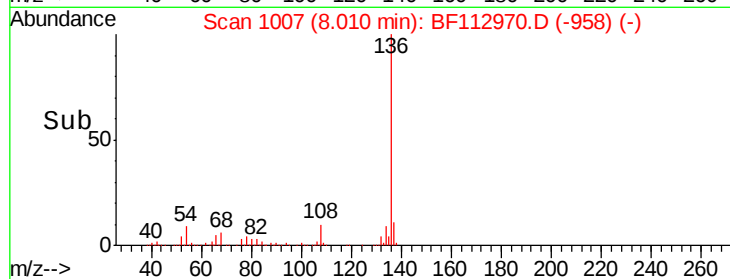
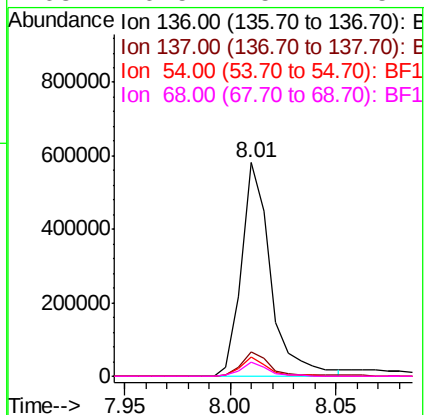
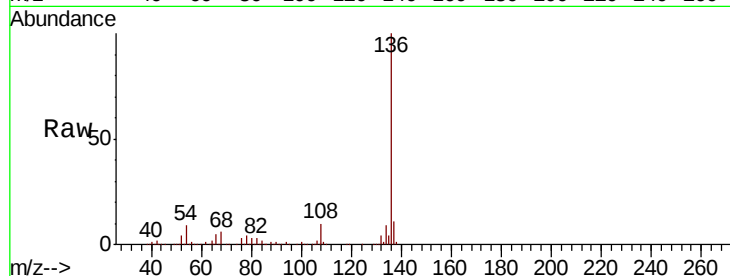




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112970.D
Acq: 11 Mar 2019 22:22

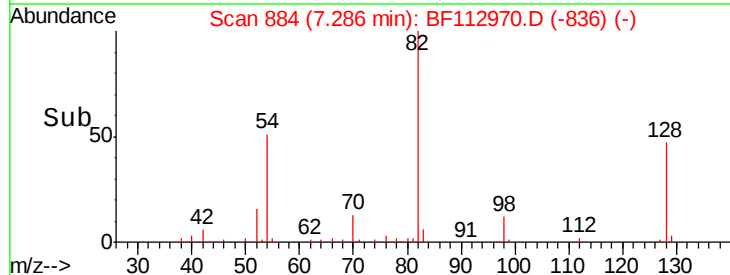
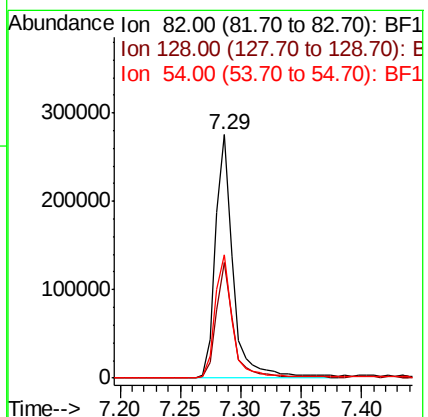
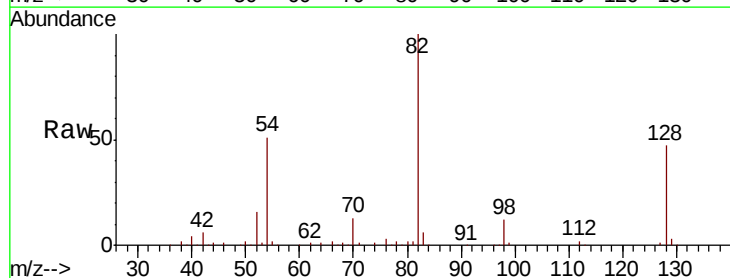
Instrument :
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CL-02-030819-D

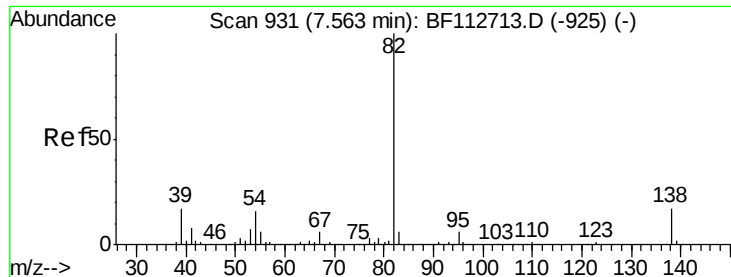
Tgt Ion:	136	Resp:	560449
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.7	7.3	10.9
68	6.5	5.4	8.2



#23
Nitrobenzene-d5
Concen: 29.668 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112970.D
Acq: 11 Mar 2019 22:22

Tgt Ion:	82	Resp:	277872
Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.3	54.5
54	50.6	43.7	65.5

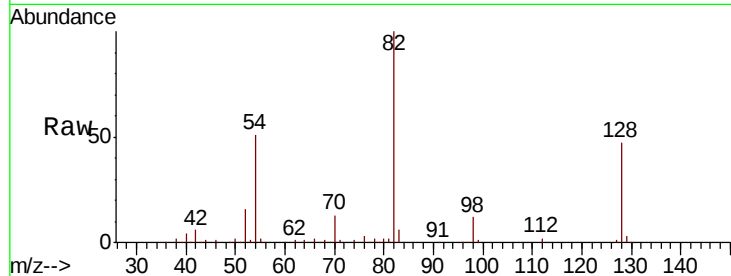




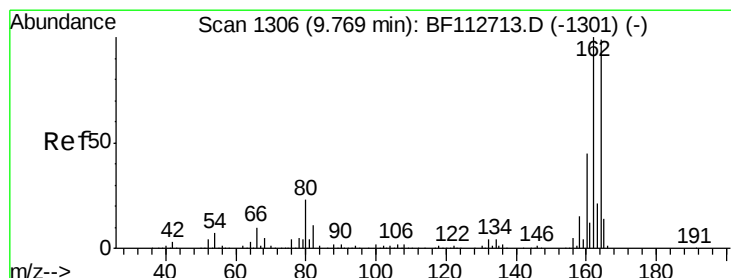
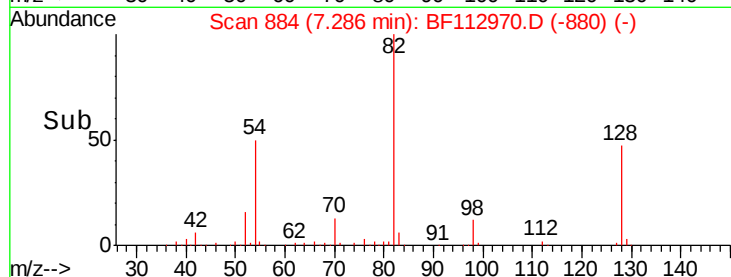
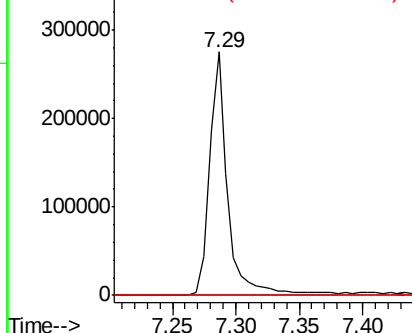
#25
Isophorone
Concen: 13.771 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112970.D
Acq: 11 Mar 2019 22:22

Instrument :
BNA_F
ClientSampleId :
CL-02-030819-D

Tgt Ion: 82 Resp: 277870
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#

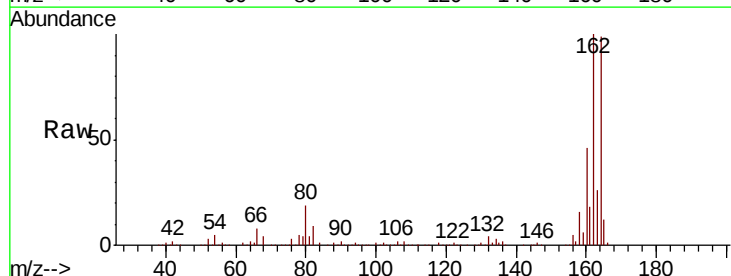


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

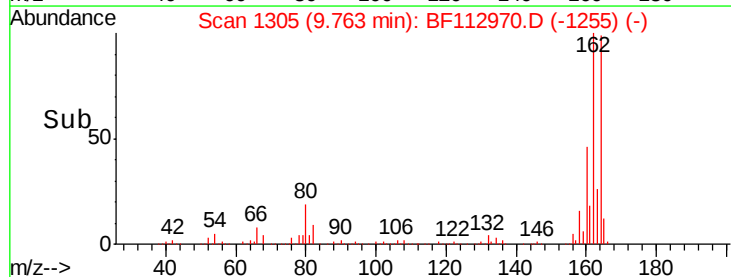
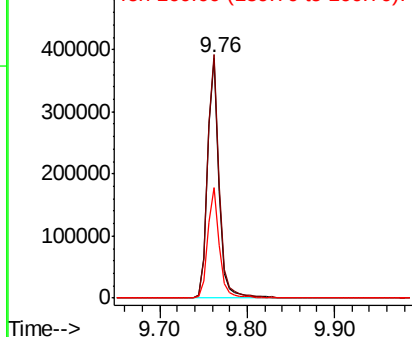


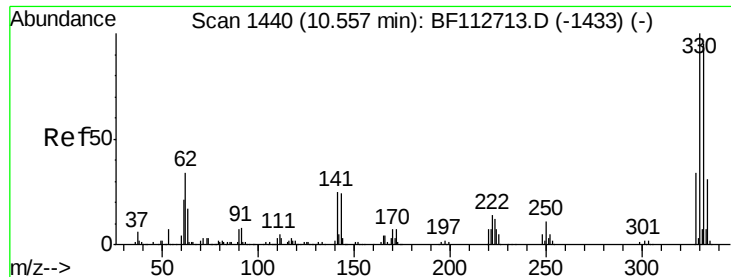
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112970.D
Acq: 11 Mar 2019 22:22

Tgt Ion: 164 Resp: 354079
Ion Ratio Lower Upper
164 100
162 101.4 80.6 120.8
160 46.3 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

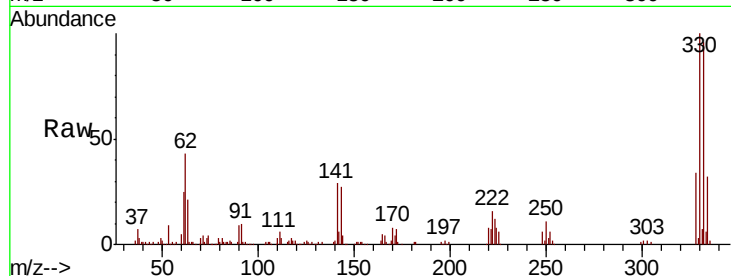




#42
 2,4,6-Tribromophenol
 Concen: 54.444 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112970.D
 Acq: 11 Mar 2019 22:22

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-030819-D

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.2	114.4
141	28.9	27.0	40.6

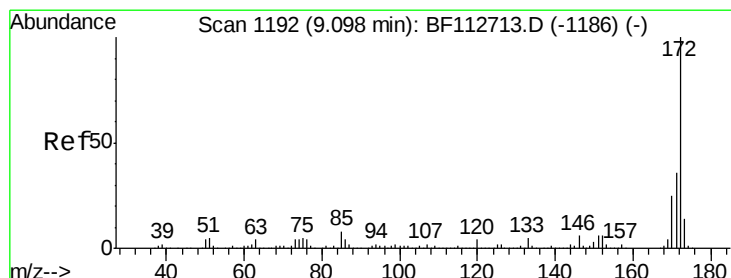
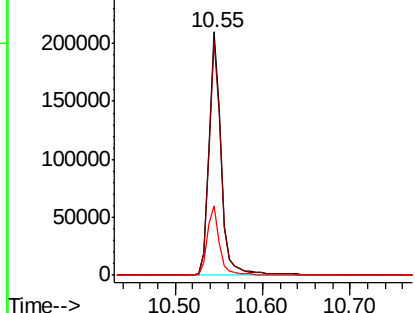
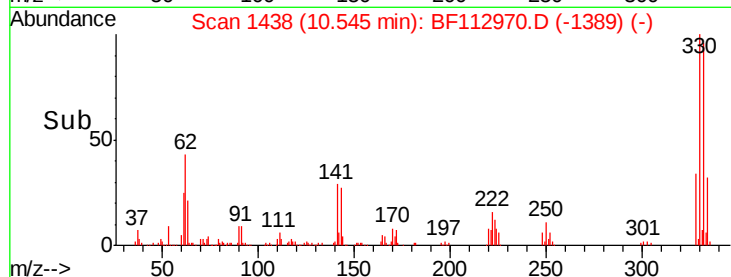


Abundance

Ion 329.80 (329.50 to 330.50): E

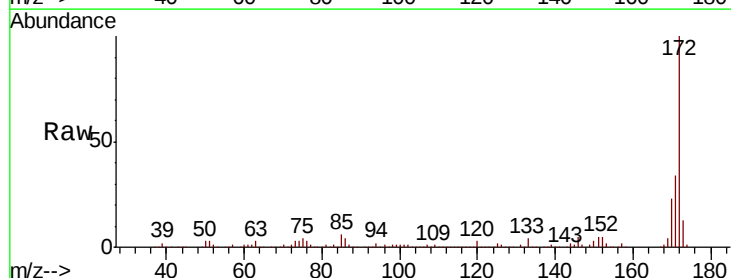
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 25.238 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112970.D
 Acq: 11 Mar 2019 22:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.0	43.4
170	23.5	20.0	30.0

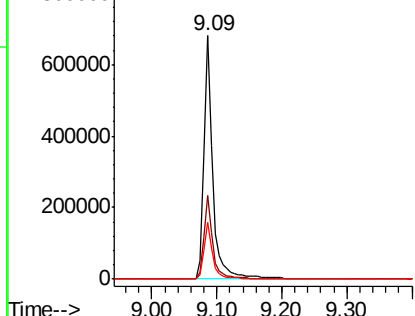
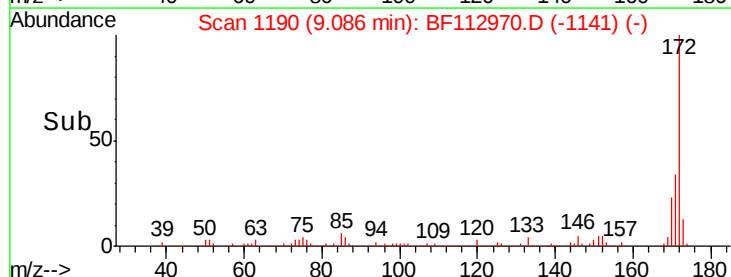


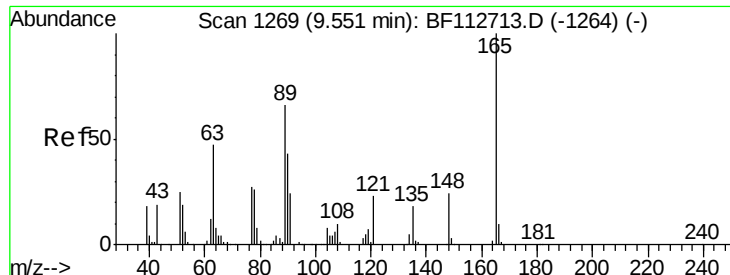
Abundance

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

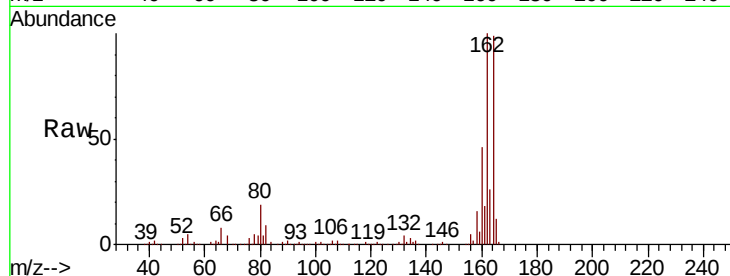




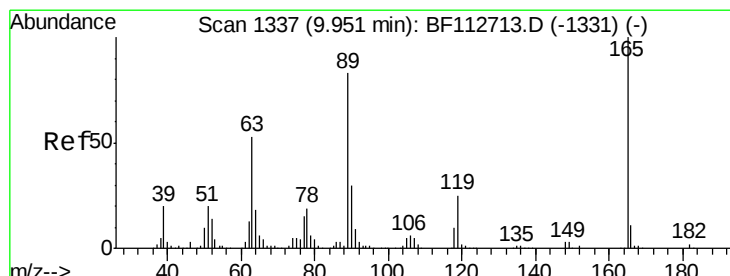
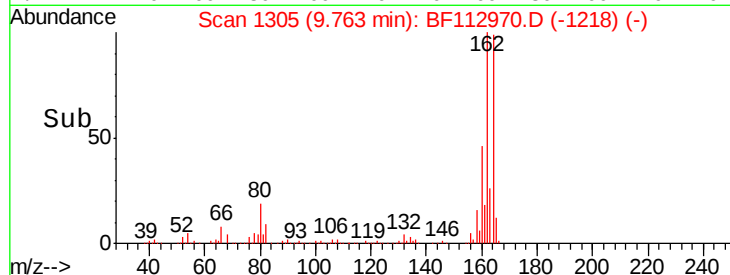
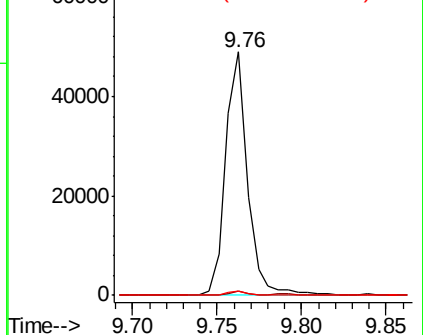
#51
2,6-Dinitrotoluene
Concen: 8.171 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.21 min
Lab File: BF112970.D
Acq: 11 Mar 2019 22:22

Instrument :
BNA_F
ClientSampleId :
CL-02-030819-D

Tgt Ion:165 Resp: 44423
Ion Ratio Lower Upper
165 100
63 1.5 54.1 81.1#
89 1.7 52.8 79.2#



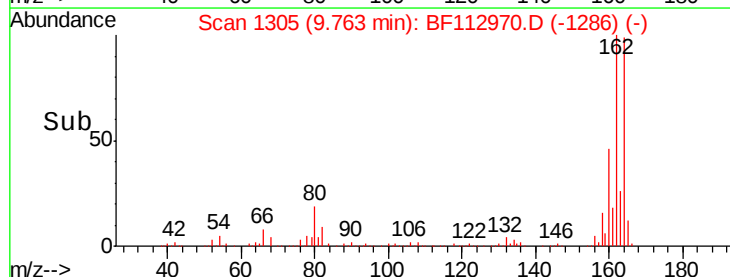
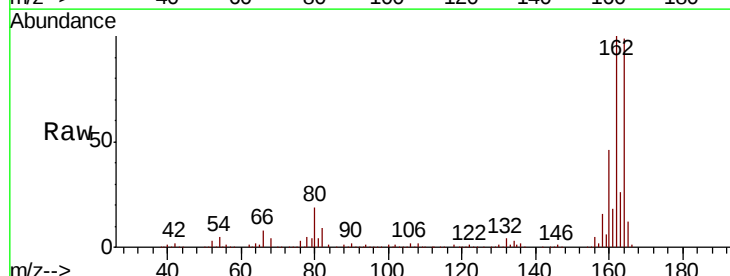
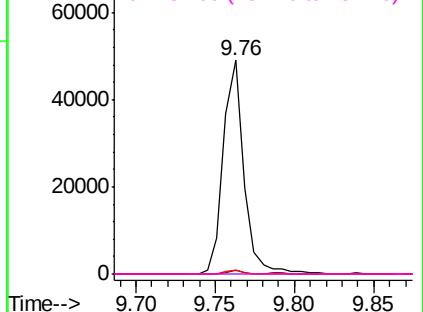
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

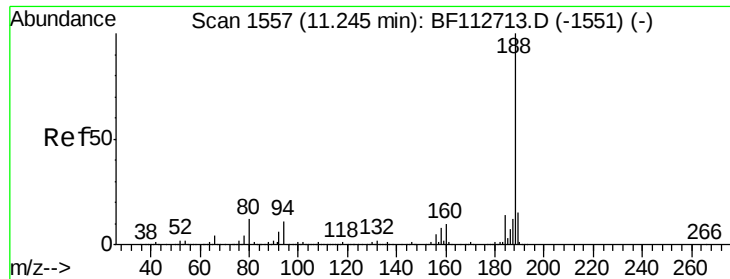


#57
2,4-Dinitrotoluene
Concen: 6.574 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF112970.D
Acq: 11 Mar 2019 22:22

Tgt Ion:165 Resp: 44424
Ion Ratio Lower Upper
165 100
63 1.5 42.2 63.2#
89 1.7 66.2 99.4#
182 0.0 1.8 2.6#

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: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF112970.D

Acq: 11 Mar 2019 22:22

Instrument :

BNA_F

ClientSampleId :

CL-02-030819-D

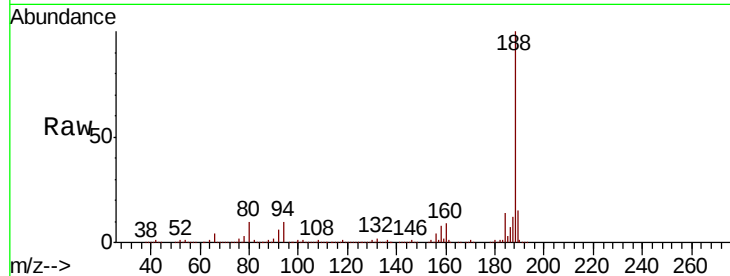
Tgt Ion:188 Resp: 756828

Ion Ratio Lower Upper

188 100

94 9.7 9.0 13.4

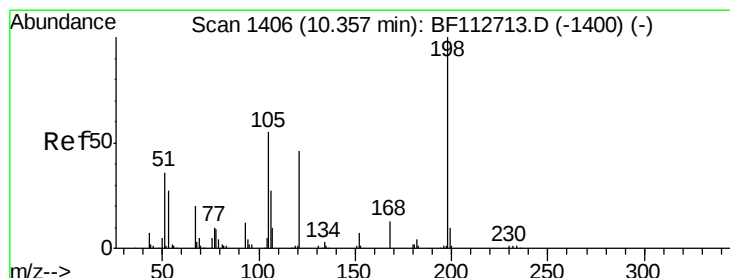
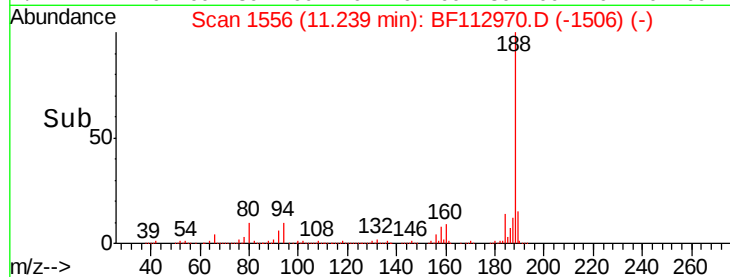
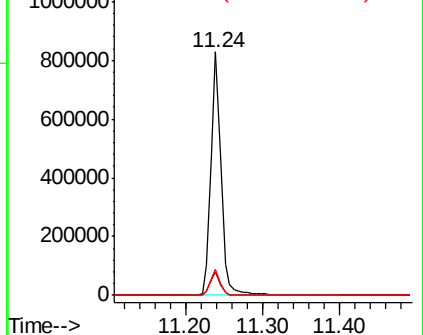
80 10.5 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 4.672 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF112970.D

Acq: 11 Mar 2019 22:22

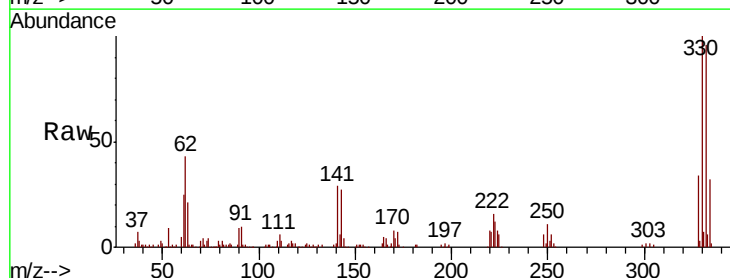
Tgt Ion:198 Resp: 204

Ion Ratio Lower Upper

198 100

51 160.0 43.8 83.8#

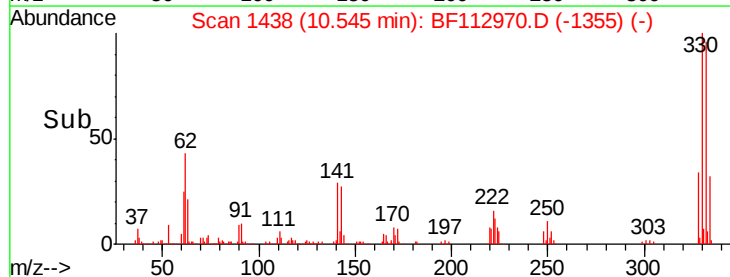
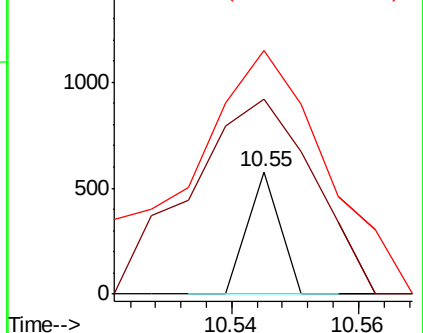
105 199.3 36.5 76.5#

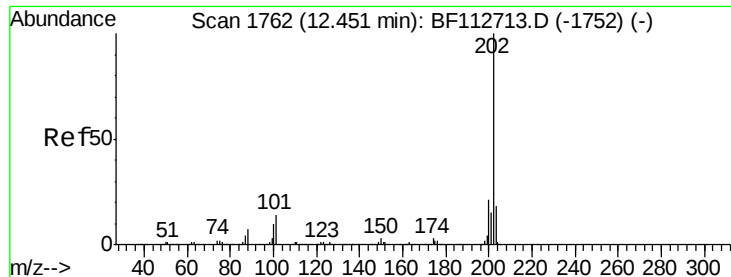


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#75

Fluoranthene

Concen: 2.683 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112970.D

Acq: 11 Mar 2019 22:22

Instrument :

BNA_F

ClientSampleId :

CL-02-030819-D

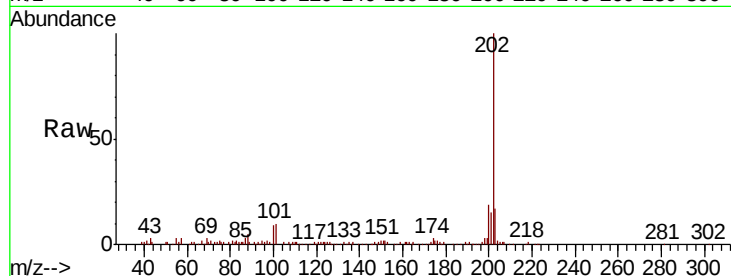
Tgt Ion:202 Resp: 108226

Ion Ratio Lower Upper

202 100

101 10.2 0.0 33.8

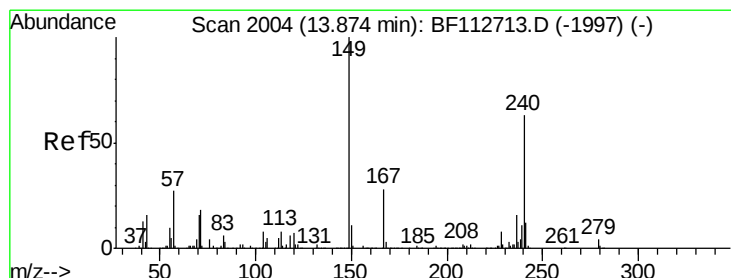
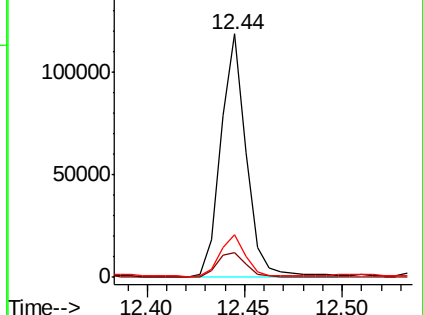
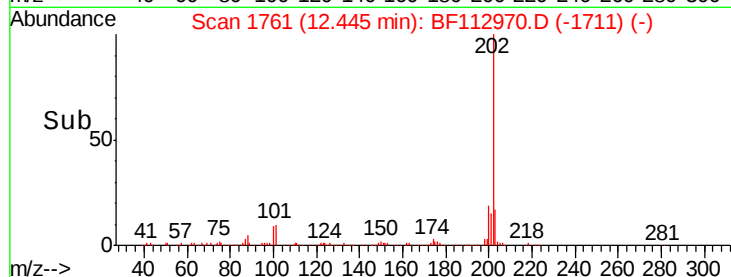
203 17.3 0.0 38.4



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: BF112970.D

Acq: 11 Mar 2019 22:22

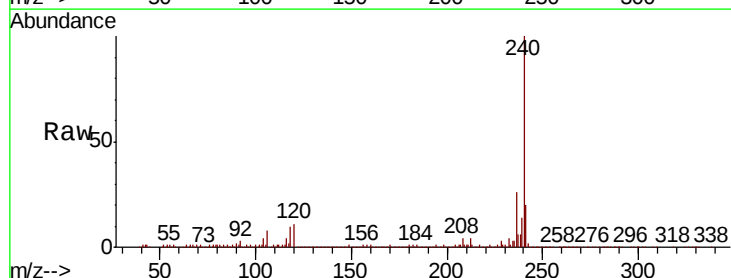
Tgt Ion:240 Resp: 541056

Ion Ratio Lower Upper

240 100

120 11.3 8.9 13.3

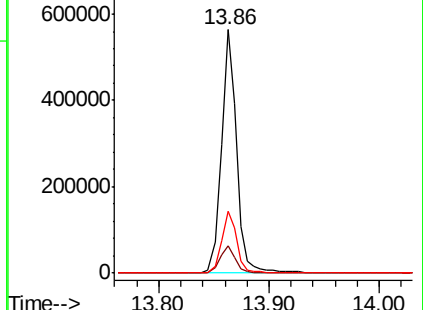
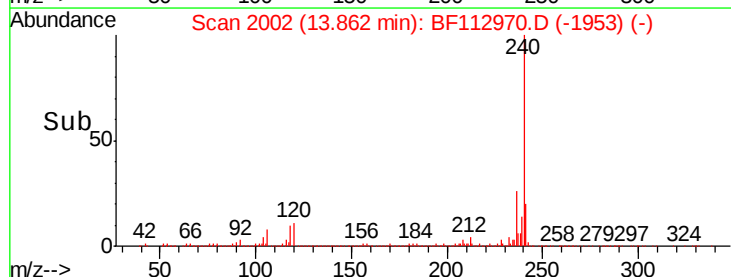
236 25.7 20.7 31.1

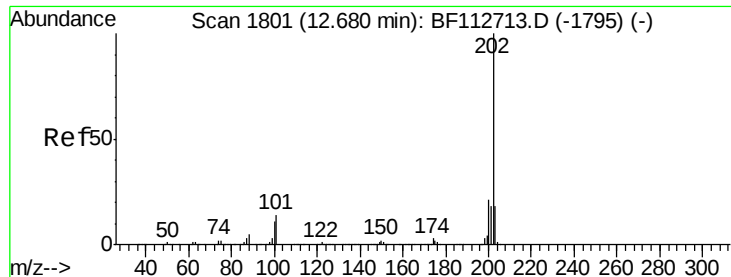


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 2.246 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF112970.D

Acq: 11 Mar 2019 22:22

Instrument :

BNA_F

ClientSampleId :

CL-02-030819-D

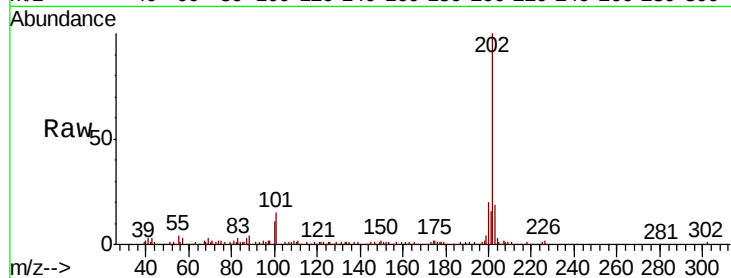
Tgt Ion:202 Resp: 102463

Ion Ratio Lower Upper

202 100

200 19.6 17.0 25.4

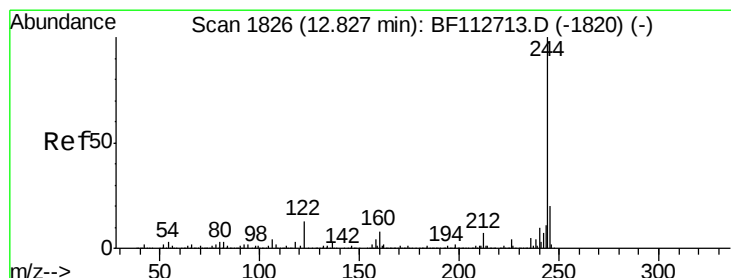
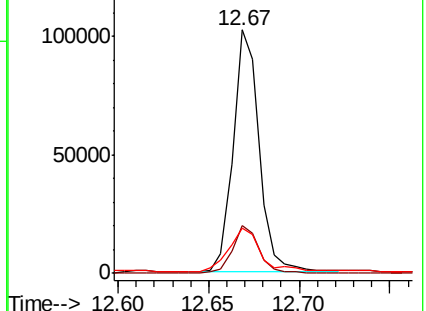
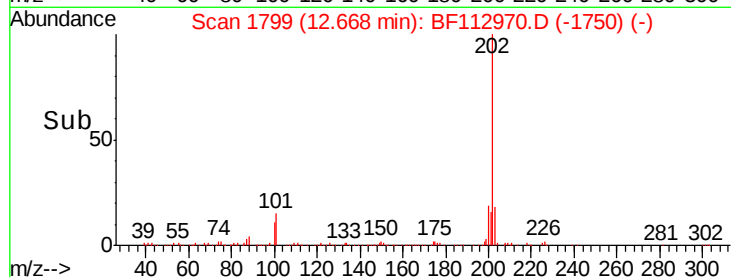
203 18.7 14.4 21.6



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: 28.497 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF112970.D

Acq: 11 Mar 2019 22:22

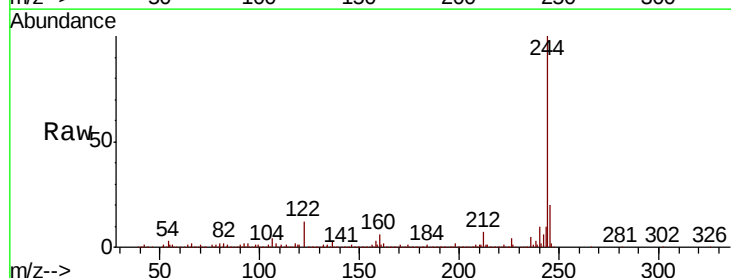
Tgt Ion:244 Resp: 795376

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

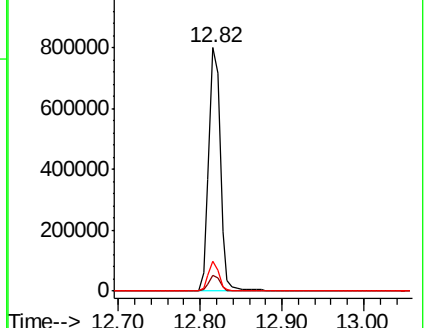
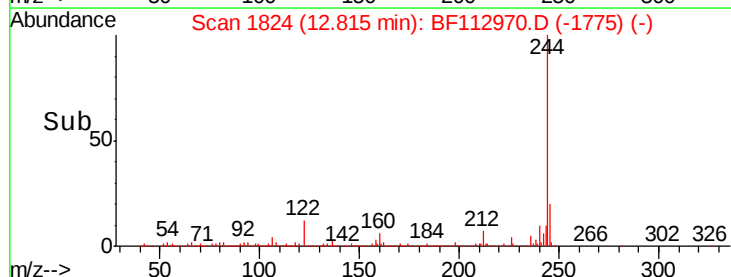
122 12.2 10.5 15.7

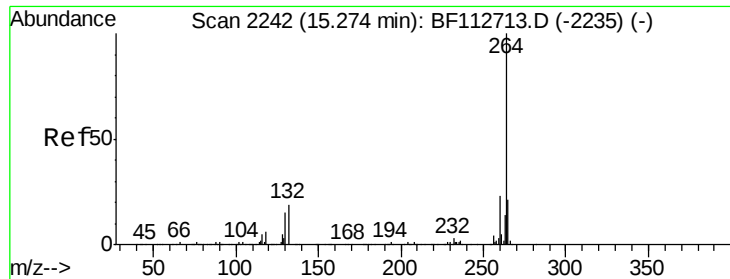


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

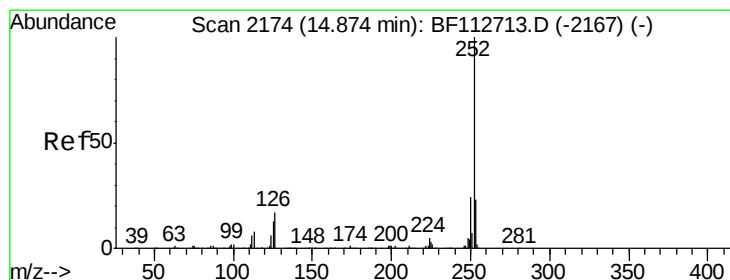
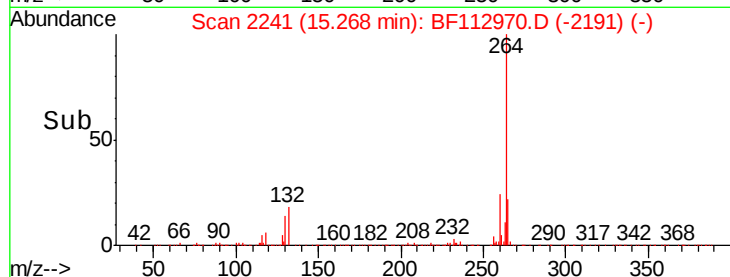
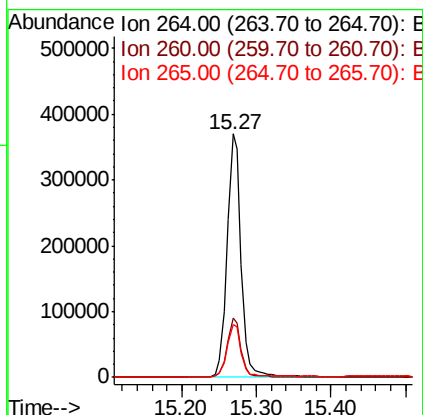
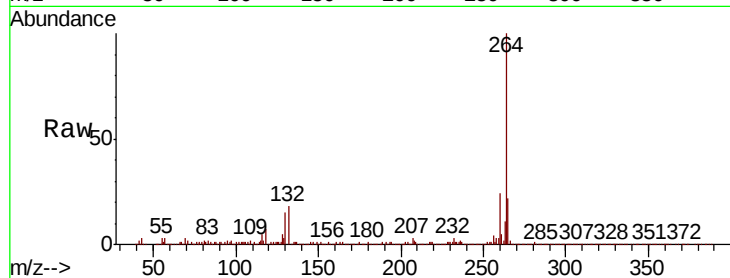




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112970.D
Acq: 11 Mar 2019 22:22

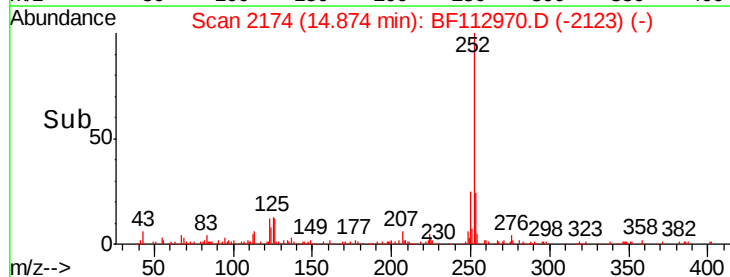
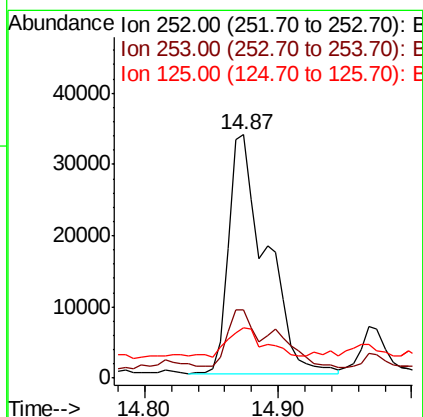
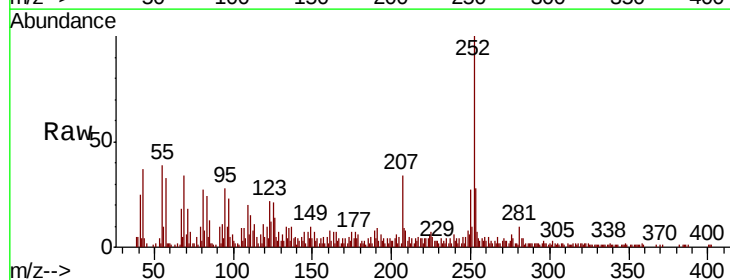
Instrument :
BNA_F
ClientSampleId :
CL-02-030819-D

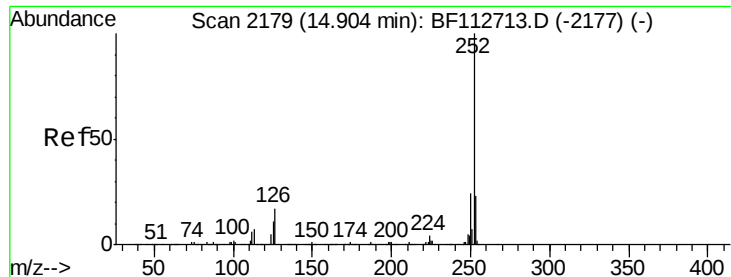
Tgt Ion:264 Resp: 484563
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 21.9 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 2.103 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF112970.D
Acq: 11 Mar 2019 22:22

Tgt Ion:252 Resp: 65927
Ion Ratio Lower Upper
252 100
253 27.8 18.0 27.0#
125 20.6 10.2 15.2#





#89

Benzo(k)fluoranthene

Concen: 2.322 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.03 min

Lab File: BF112970.D

Acq: 11 Mar 2019 22:22

Instrument :

BNA_F

ClientSampleId :

CL-02-030819-D

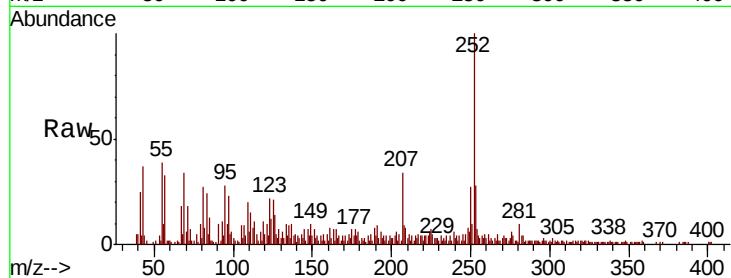
Tgt Ion: 252 Resp: 65927

Ion Ratio Lower Upper

252 100

253 27.8 18.2 27.2#

125 20.6 9.8 14.6#



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

