

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021519\
 Data File : BF112590.D
 Acq On : 15 Feb 2019 20:32
 Operator : JU/SJ
 Sample : K1346-13 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-021419-D

Quant Time: Feb 15 23:45:45 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

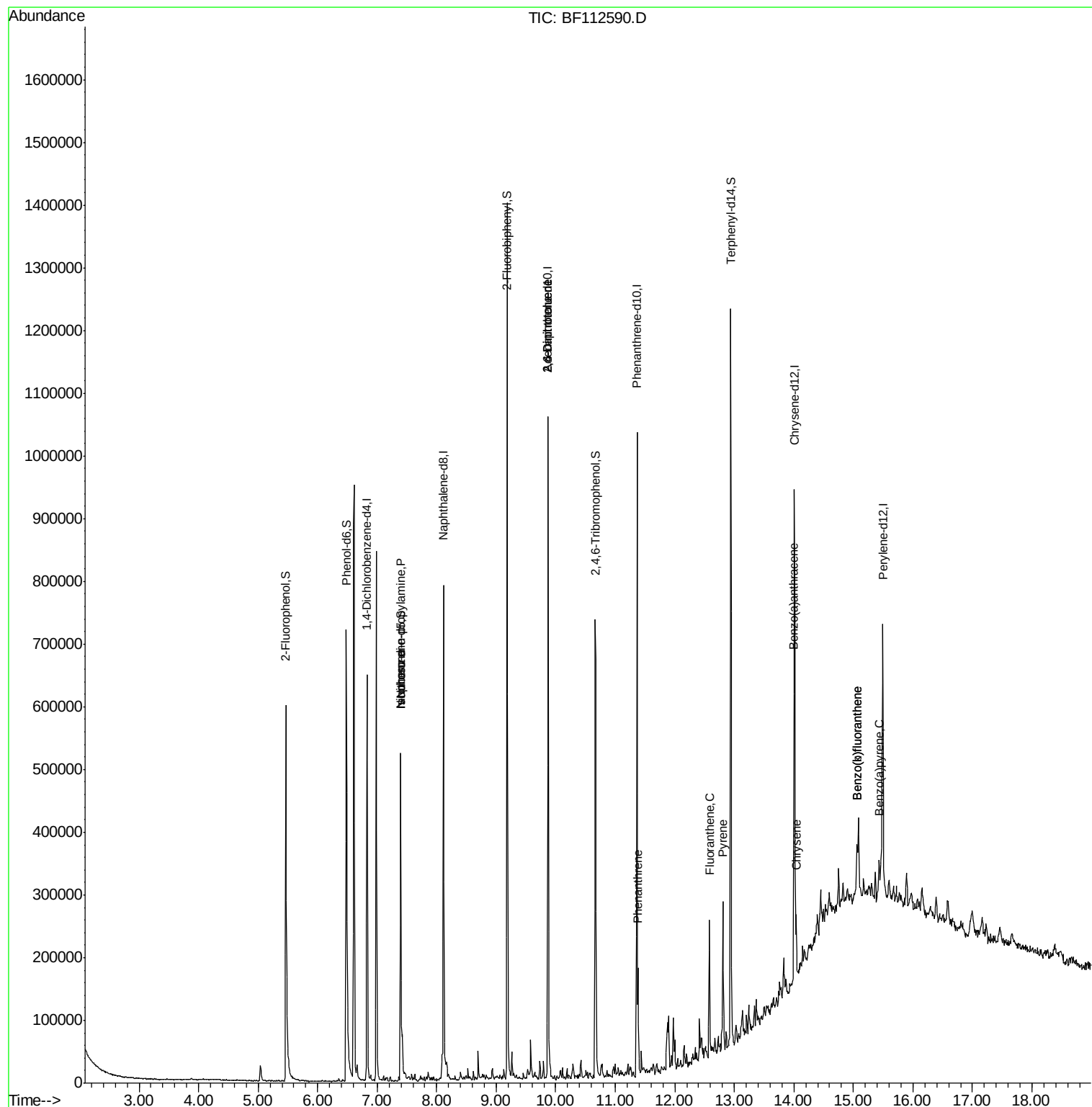
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	104295	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	428595	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	212661	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	376318	20.00	ng	0.00
76) Chrysene-d12	14.01	240	243318	20.00	ng	0.00
87) Perylene-d12	15.49	264	208184	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	233677	47.59	ng	-0.02
7) Phenol-d6	6.48	99	311091	45.60	ng	-0.01
23) Nitrobenzene-d5	7.39	82	195863	26.33	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	100970	40.79	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	429655	28.57	ng	-0.02
79) Terphenyl-d14	12.94	244	353279	27.35	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	28102	5.973	ng	# 78
25) Isophorone	7.39	82	195860	16.784	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	27984	7.562	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	27984	5.940	ng	# 31
71) Phenanthrene	11.39	178	58285	2.979	ng	98
75) Fluoranthene	12.58	202	83181	3.964	ng	96
78) Pyrene	12.81	202	90871	5.394	ng	97
81) Benzo(a)anthracene	14.00	228	41201	2.880	ng	98
83) Chrysene	14.04	228	39700	2.908	ng	97
88) Benzo(b)fluoranthene	15.06	252	54638	4.388	ng	# 86
89) Benzo(k)fluoranthene	15.06	252	54638	4.582	ng	# 87
90) Benzo(a)pyrene	15.43	252	30328	2.707	ng	# 88

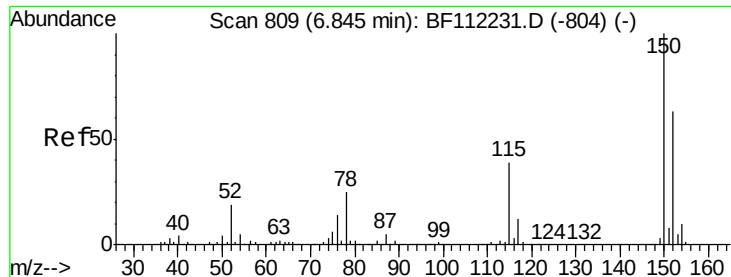
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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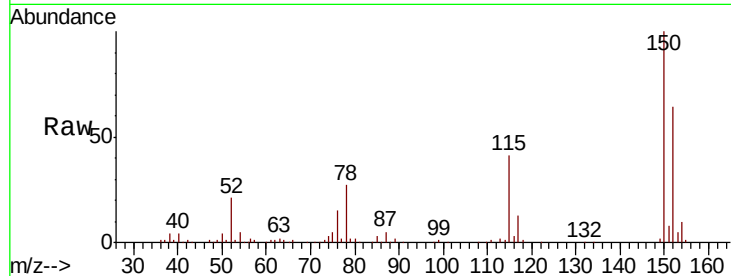


#1

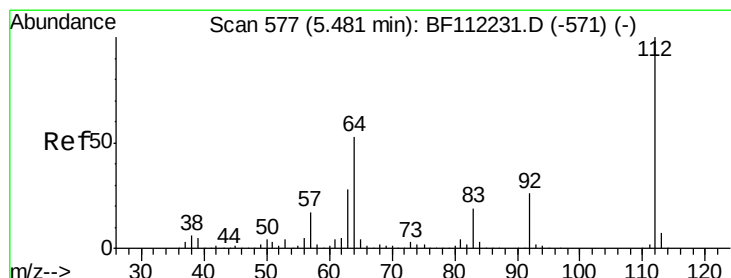
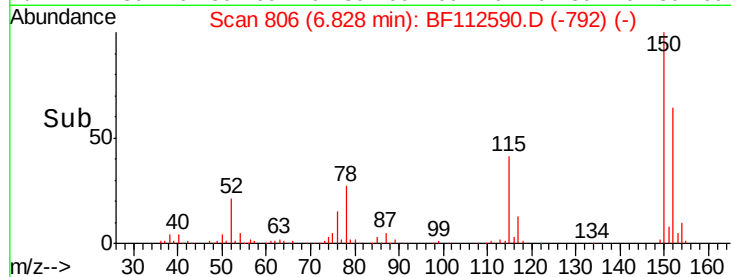
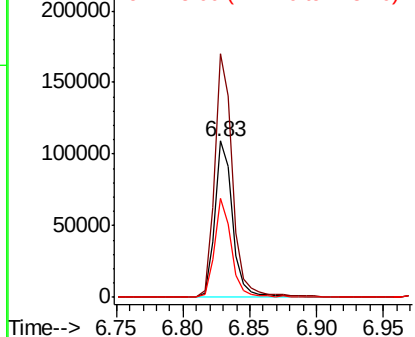
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF112590.D
Acq: 15 Feb 2019 20:32

Instrument :
BNA_F
ClientSampleId :
CL-01-021419-D

Tgt Ion:152 Resp: 104295
Ion Ratio Lower Upper
152 100
150 155.7 127.4 191.0
115 63.1 45.5 68.3



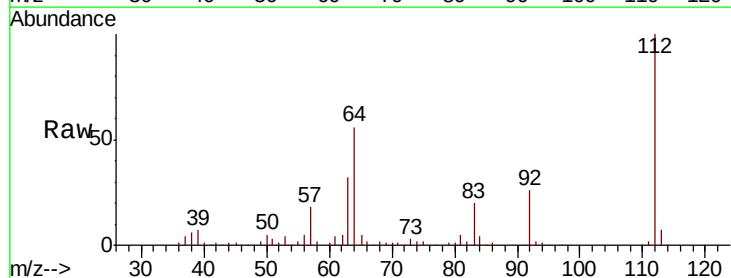
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



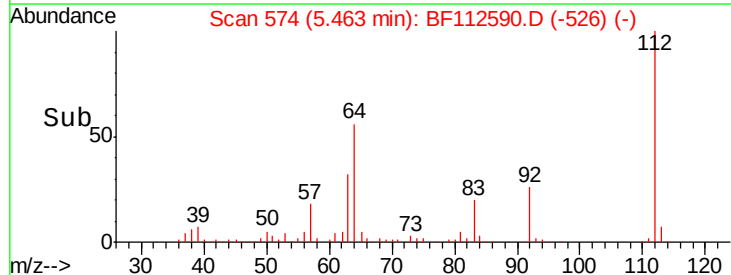
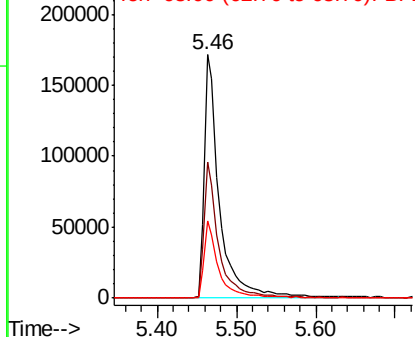
#5

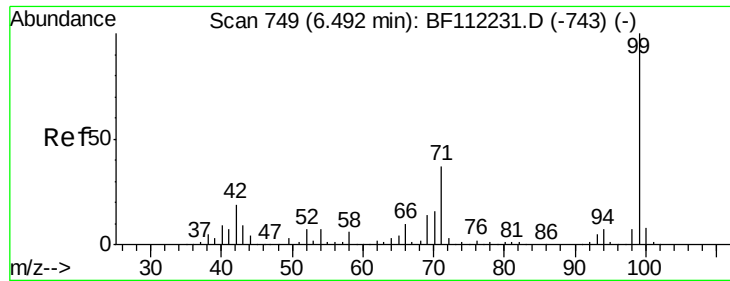
2-Fluorophenol
Concen: 47.591 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112590.D
Acq: 15 Feb 2019 20:32

Tgt Ion:112 Resp: 233677
Ion Ratio Lower Upper
112 100
64 55.8 45.7 68.5
63 31.6 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: 45.595 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112590.D

Acq: 15 Feb 2019 20:32

Instrument :

BNA_F

ClientSampleId :

CL-01-021419-D

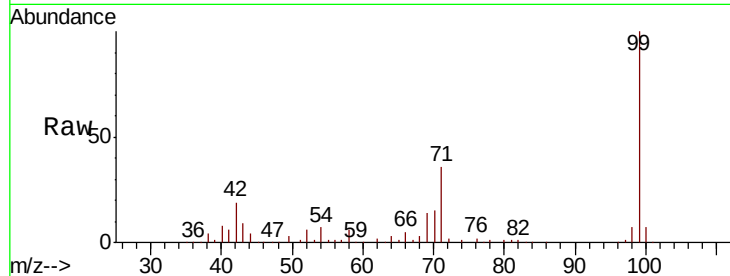
Tgt Ion: 99 Resp: 311091

Ion Ratio Lower Upper

99 100

42 18.6 15.1 22.7

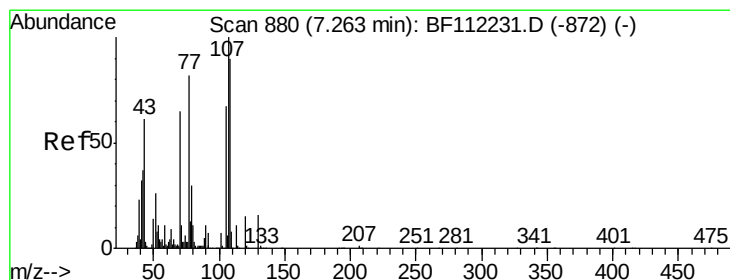
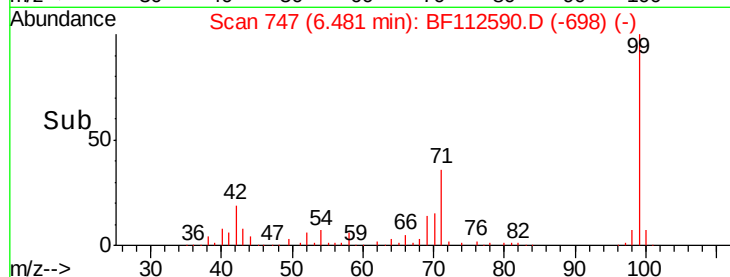
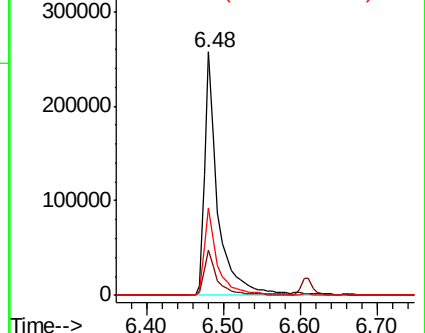
71 36.1 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 5.973 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF112590.D

Acq: 15 Feb 2019 20:32

Tgt Ion: 70 Resp: 28102

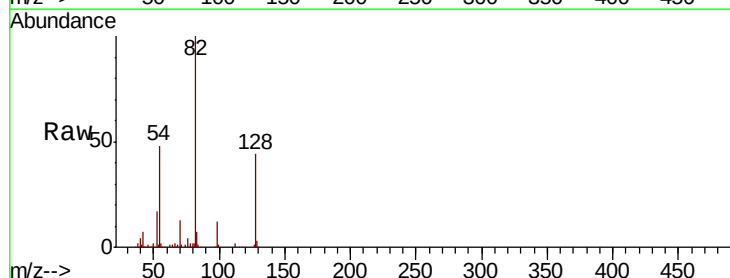
Ion Ratio Lower Upper

70 100

42 50.1 47.6 71.4

101 0.0 7.9 11.9#

130 1.8 18.4 27.6#

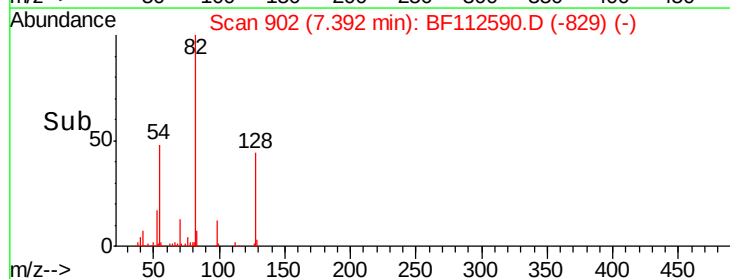
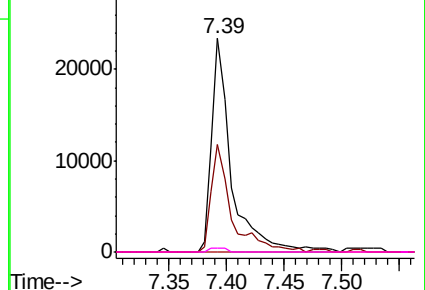


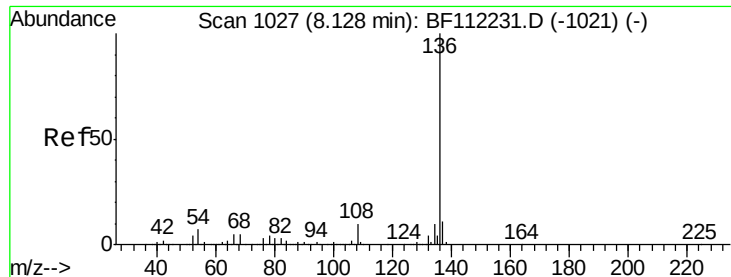
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

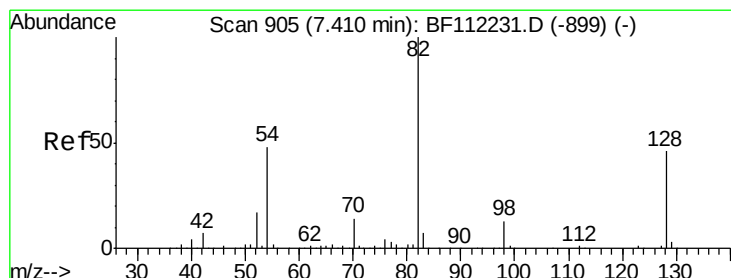
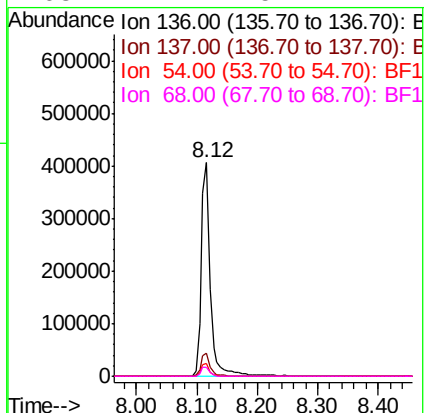
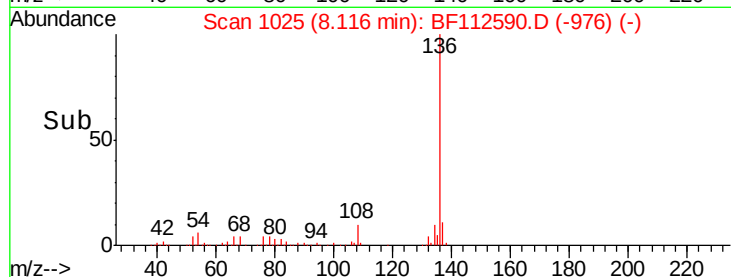
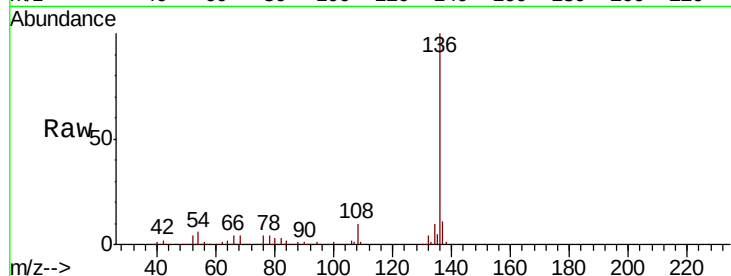




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112590.D
Acq: 15 Feb 2019 20:32

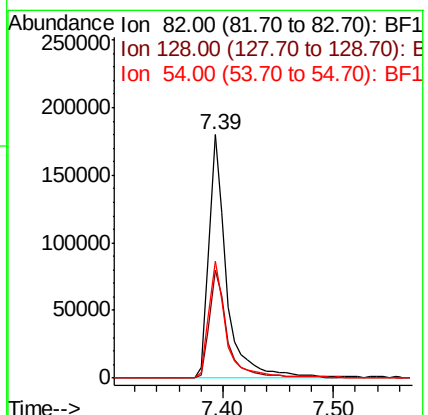
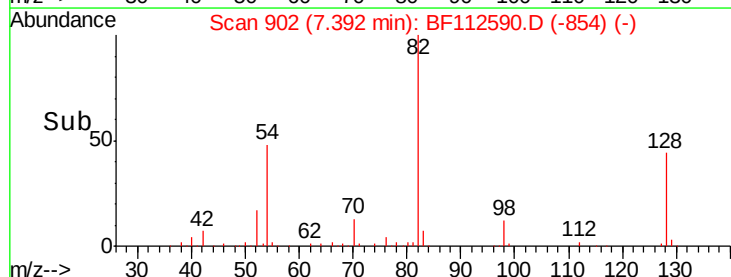
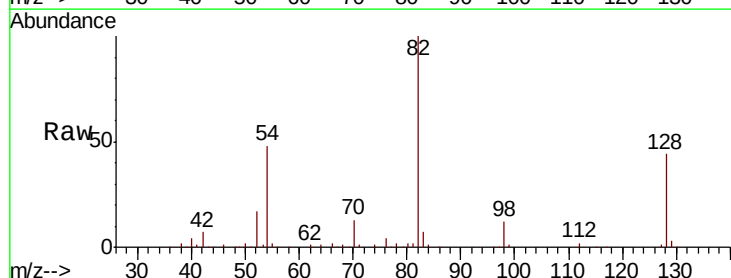
Instrument :
BNA_F
ClientSampleId :
CL-01-021419-D

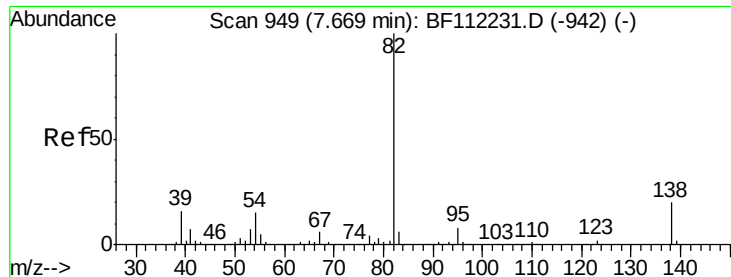
Tgt Ion:	136	Resp:	428595
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.7	5.9	8.9#
68	4.1	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 26.332 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112590.D
Acq: 15 Feb 2019 20:32

Tgt Ion:	82	Resp:	195863
Ion	Ratio	Lower	Upper
82	100		
128	44.4	37.8	56.8
54	48.1	39.7	59.5





#25

Isophorone

Concen: 16.784 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112590.D

Acq: 15 Feb 2019 20:32

Instrument :

BNA_F

ClientSampleId :

CL-01-021419-D

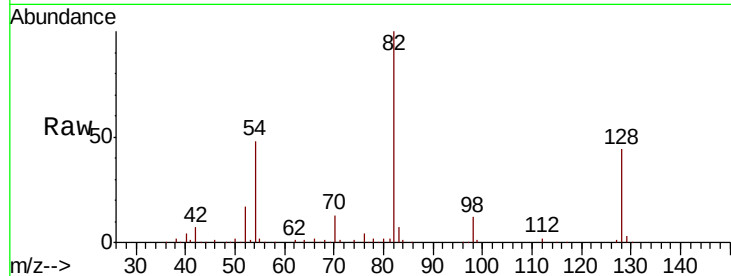
Tgt Ion: 82 Resp: 195860

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

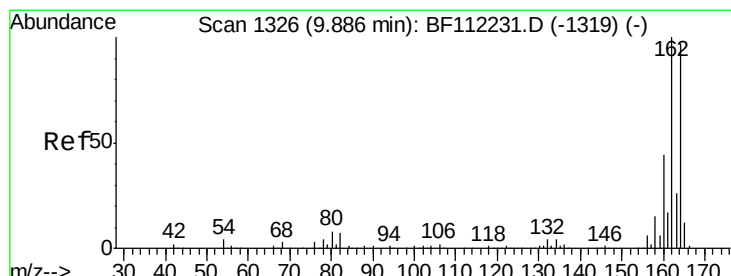
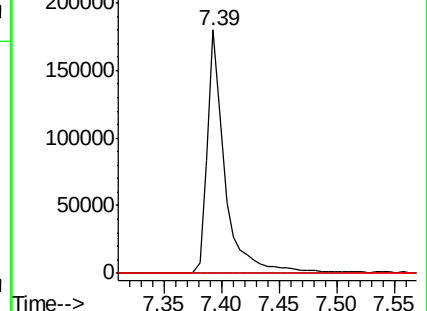
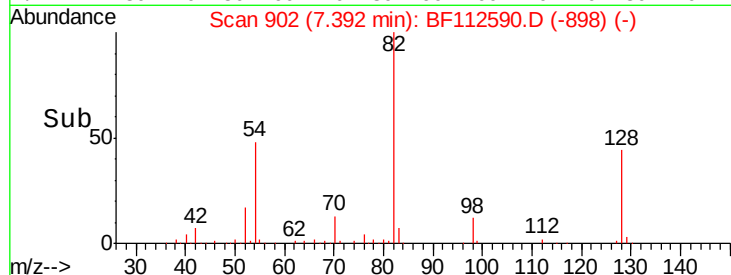
138 0.0 15.4 23.0#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112590.D

Acq: 15 Feb 2019 20:32

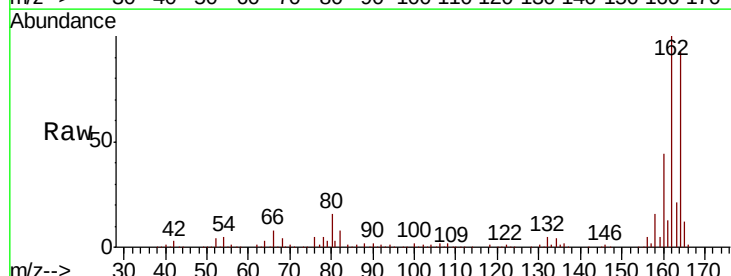
Tgt Ion: 164 Resp: 212661

Ion Ratio Lower Upper

164 100

162 107.5 82.2 123.4

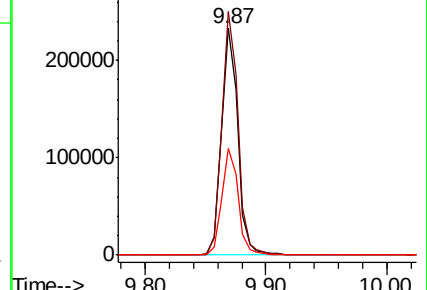
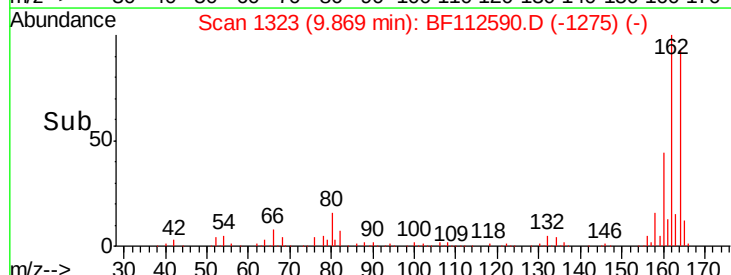
160 46.9 36.2 54.4

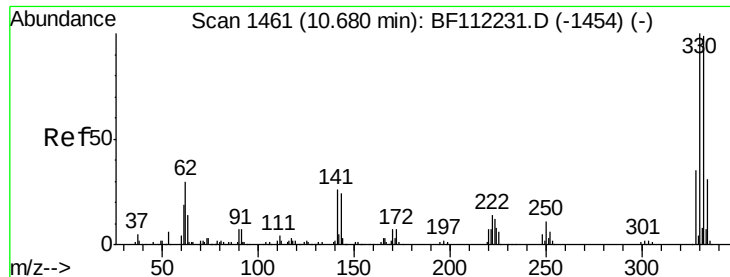


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 40.791 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112590.D

Acq: 15 Feb 2019 20:32

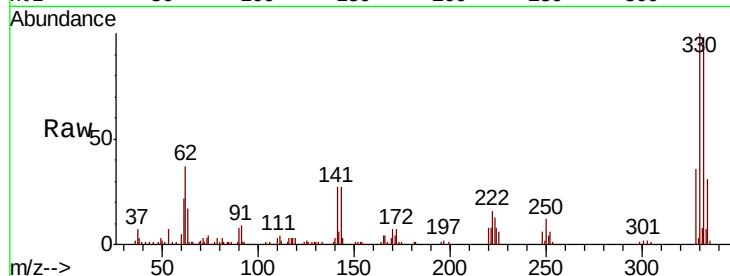
Instrument :

BNA_F

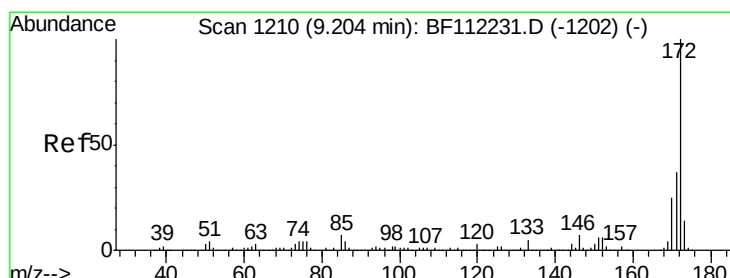
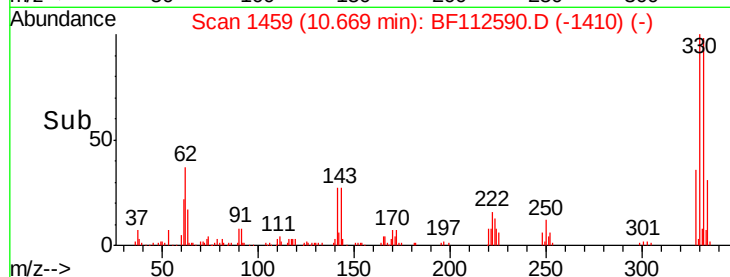
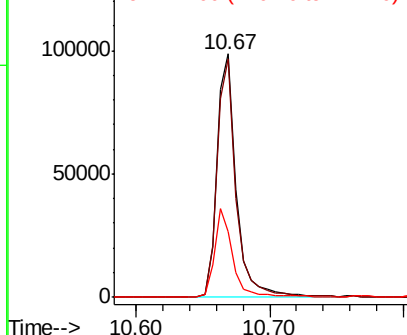
ClientSampleId :

CL-01-021419-D

Tgt Ion:	330	Resp:	100970
Ion Ratio	Lower	Upper	
330	100		
332	96.9	76.6	114.8
141	34.4	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: 28.575 ng

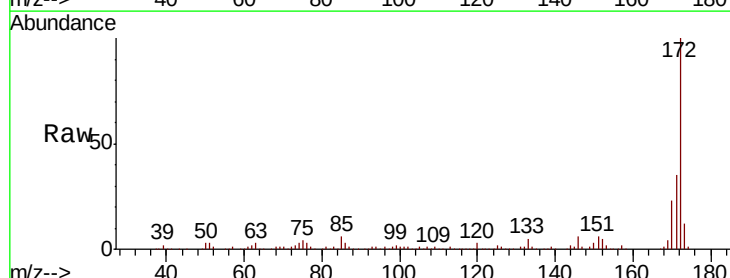
RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

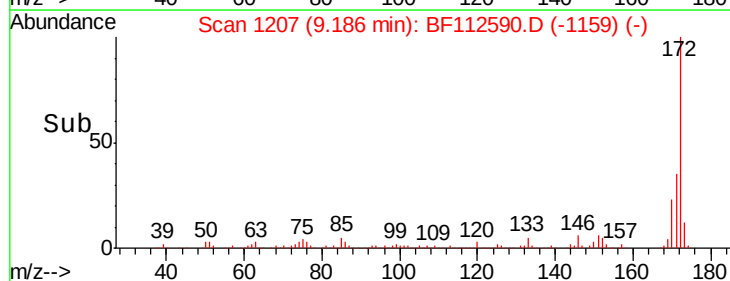
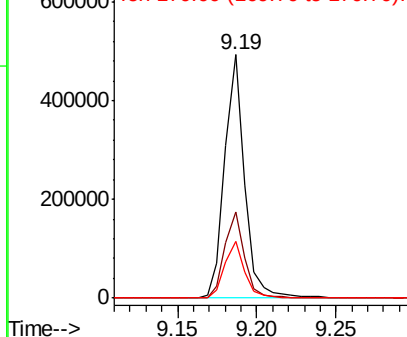
Lab File: BF112590.D

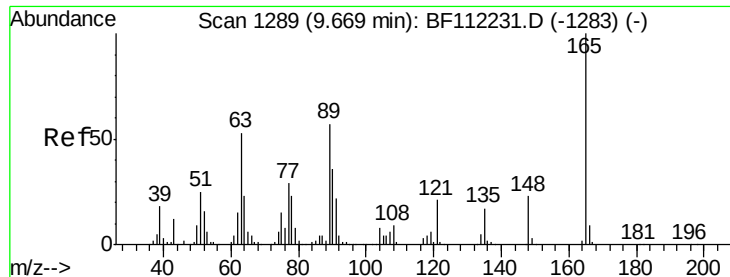
Acq: 15 Feb 2019 20:32

Tgt Ion:	172	Resp:	429655
Ion Ratio	Lower	Upper	
172	100		
171	35.3	30.5	45.7
170	23.3	20.2	30.4



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





#51

2,6-Dinitrotoluene

Concen: 7.562 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.20 min

Lab File: BF112590.D

Acq: 15 Feb 2019 20:32

Instrument :

BNA_F

ClientSampleId :

CL-01-021419-D

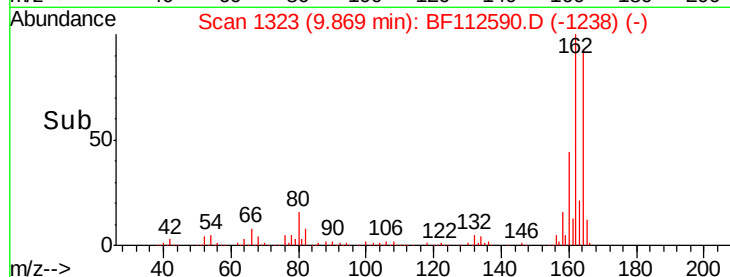
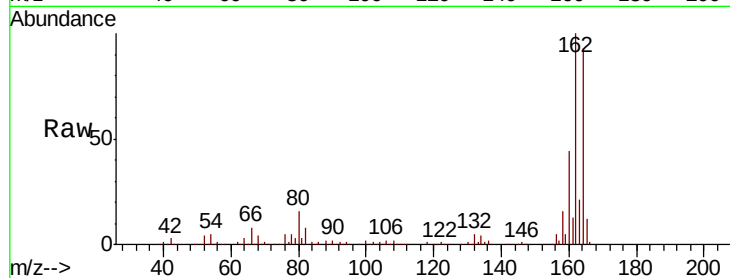
Tgt Ion:165 Resp: 27984

Ion Ratio Lower Upper

165 100

63 1.3 33.8 50.8#

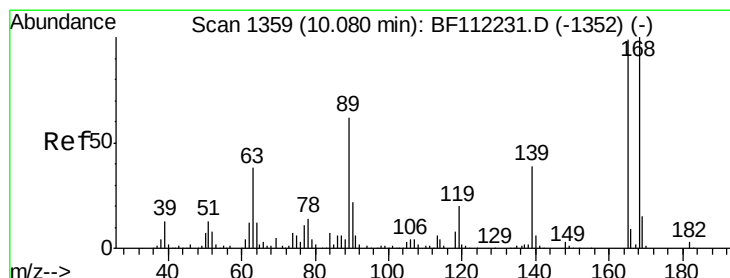
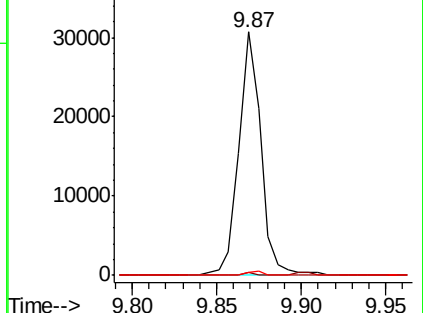
89 1.0 36.9 55.3#



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: 5.940 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112590.D

Acq: 15 Feb 2019 20:32

Tgt Ion:165 Resp: 27984

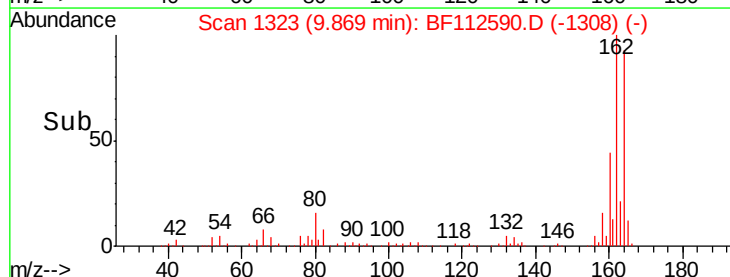
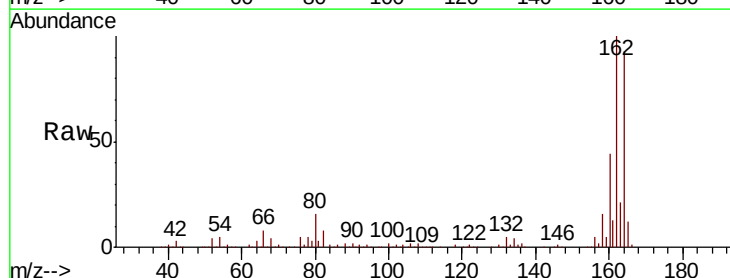
Ion Ratio Lower Upper

165 100

63 1.3 27.9 41.9#

89 1.0 47.9 71.9#

182 0.0 2.2 3.4#

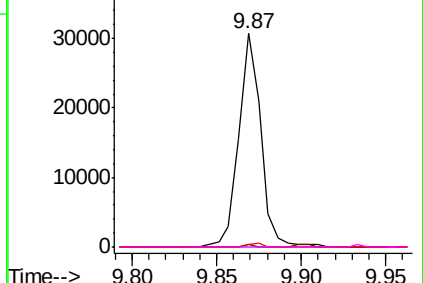


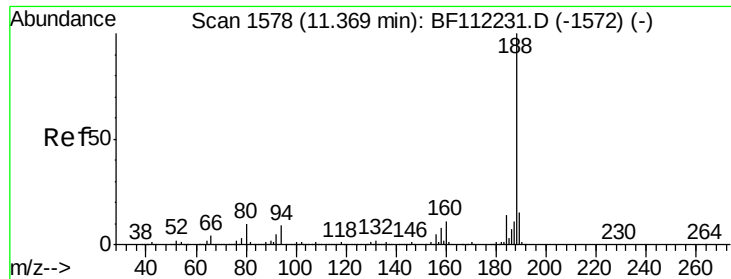
Abundance Ion 165.00 (164.70 to 165.70): E

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

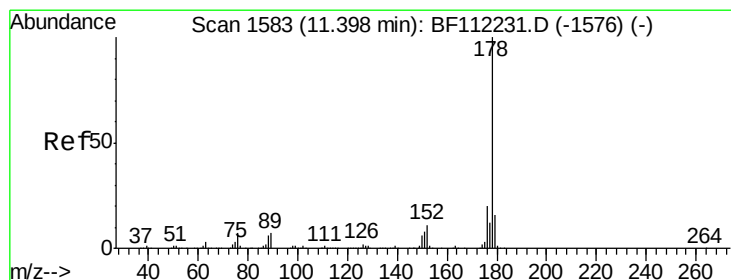
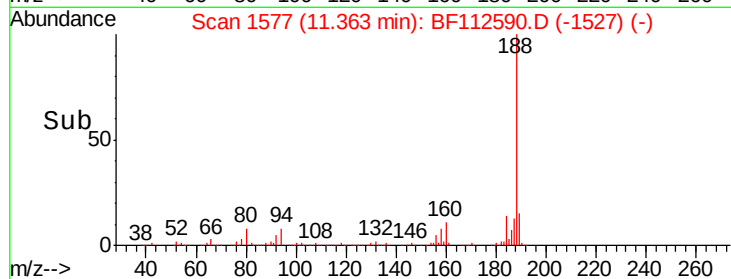
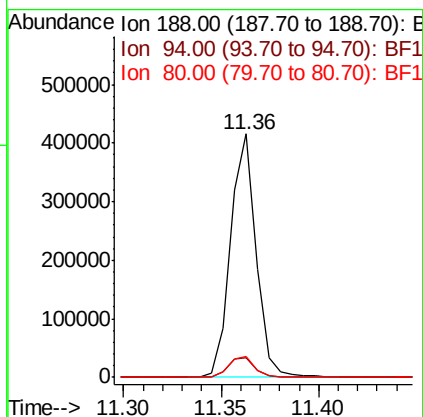
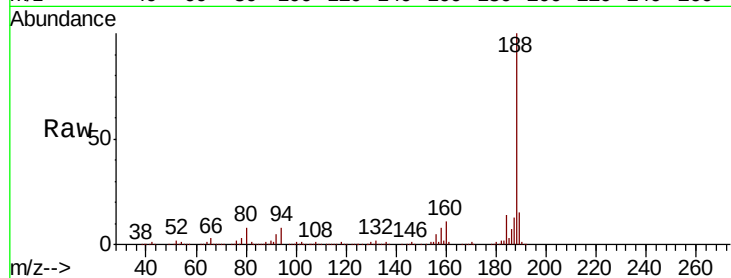




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112590.D
Acq: 15 Feb 2019 20:32

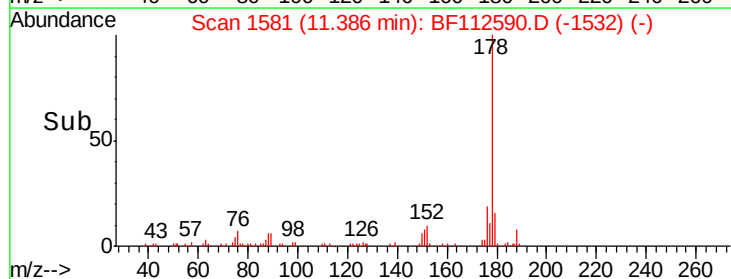
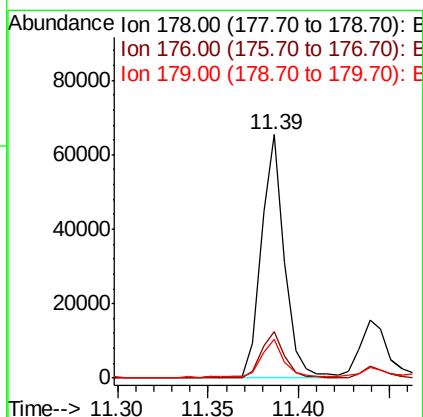
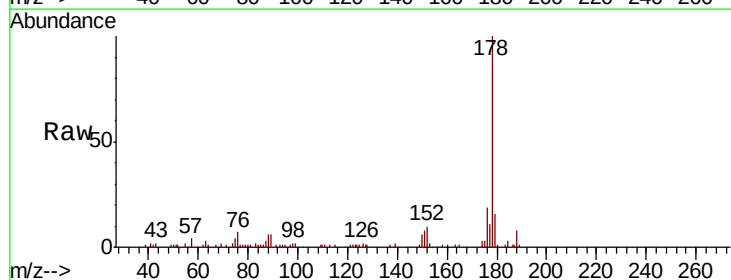
Instrument :
BNA_F
ClientSampleId :
CL-01-021419-D

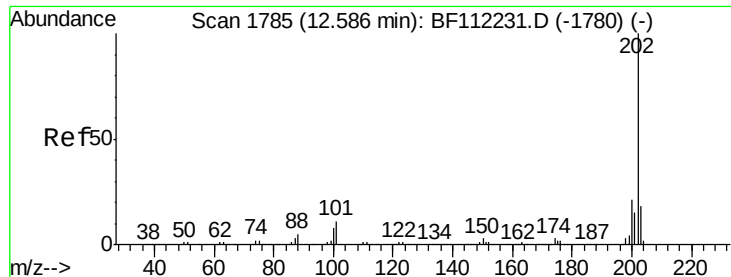
Tgt Ion:188 Resp: 376318
Ion Ratio Lower Upper
188 100
94 8.0 8.2 12.2#
80 8.4 8.9 13.3#



#71
Phenanthrene
Concen: 2.979 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112590.D
Acq: 15 Feb 2019 20:32

Tgt Ion:178 Resp: 58285
Ion Ratio Lower Upper
178 100
176 19.0 16.3 24.5
179 15.7 13.0 19.4





#75

Fluoranthene

Concen: 3.964 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112590.D

Acq: 15 Feb 2019 20:32

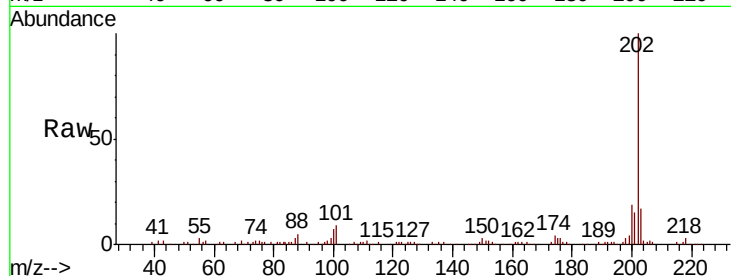
Instrument :

BNA_F

ClientSampleId :

CL-01-021419-D

Tgt Ion:	202	Resp:	83181
Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	31.8
203	17.2	0.0	38.4

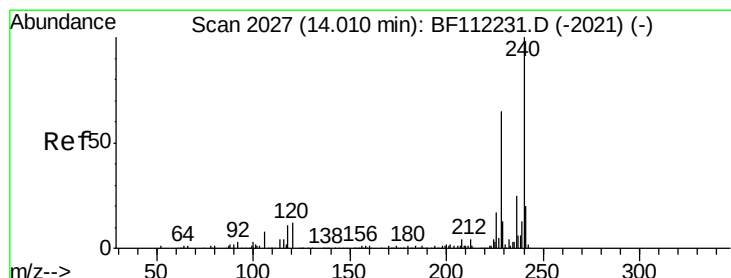
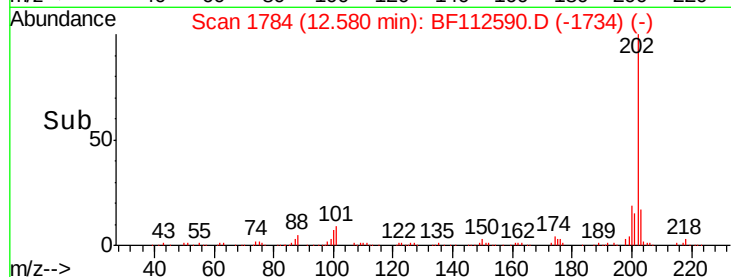
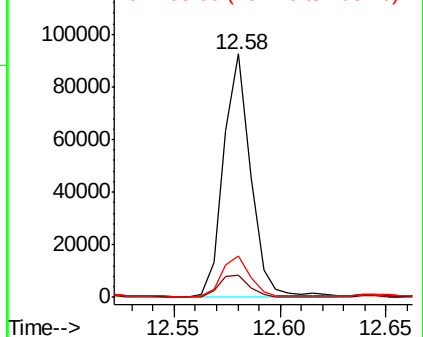


Abundance

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

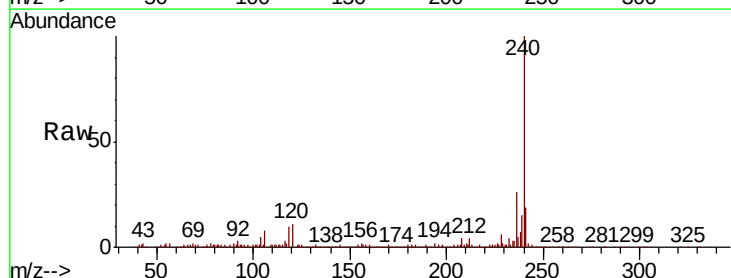
RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF112590.D

Acq: 15 Feb 2019 20:32

Tgt Ion:	240	Resp:	243318
Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.6
236	26.0	20.7	31.1

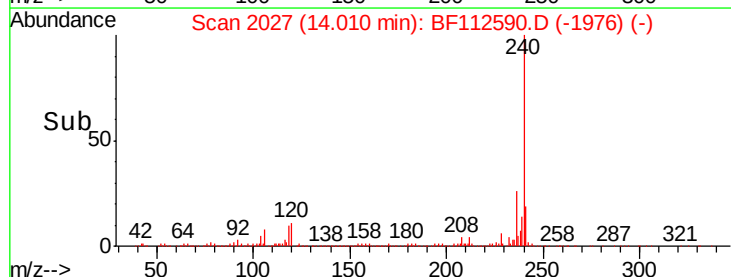
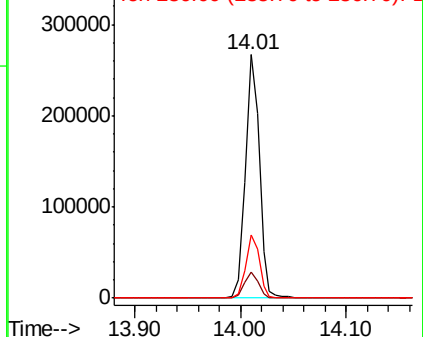


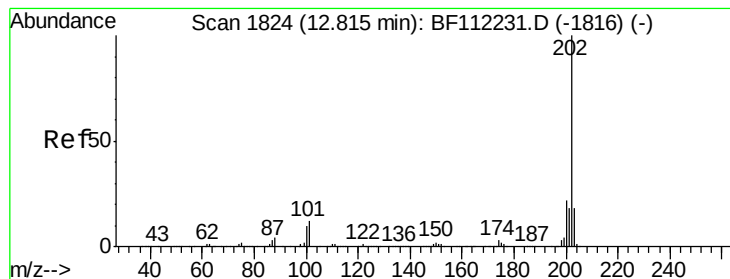
Abundance

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: 5.394 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF112590.D

Acq: 15 Feb 2019 20:32

Instrument :

BNA_F

ClientSampleId :

CL-01-021419-D

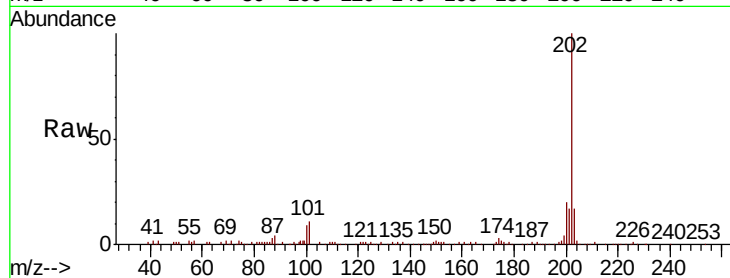
Tgt Ion:202 Resp: 90871

Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

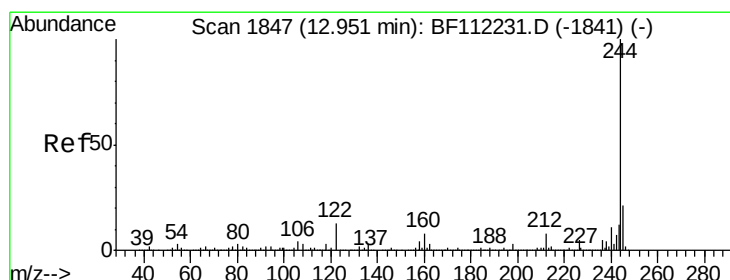
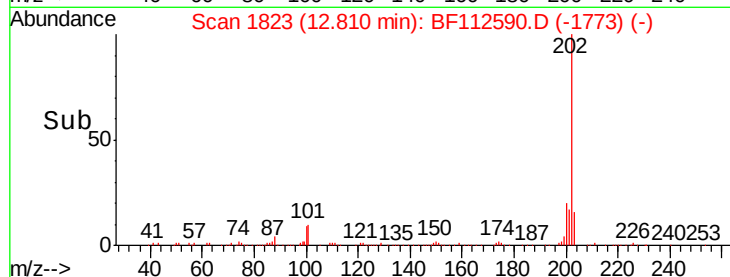
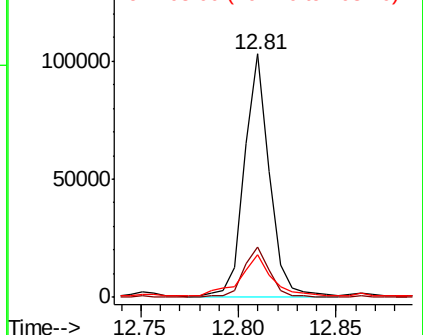
203 17.5 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 27.346 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112590.D

Acq: 15 Feb 2019 20:32

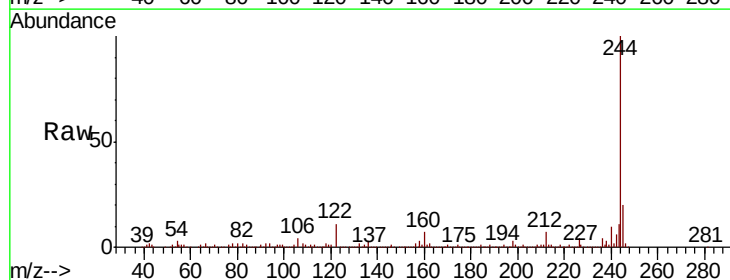
Tgt Ion:244 Resp: 353279

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

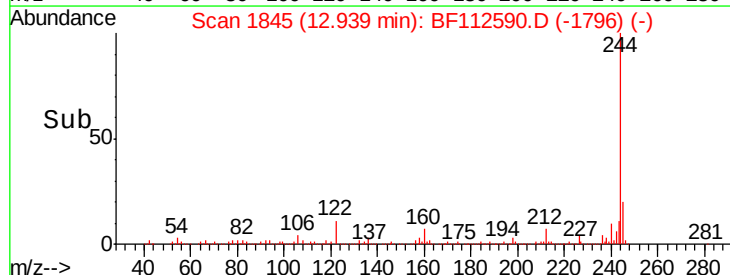
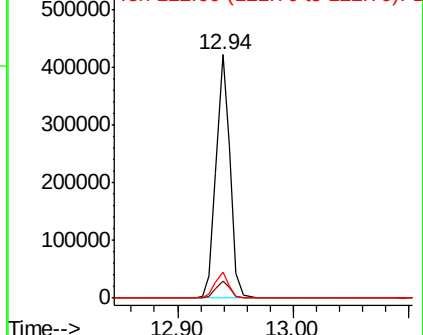
122 10.8 9.8 14.6

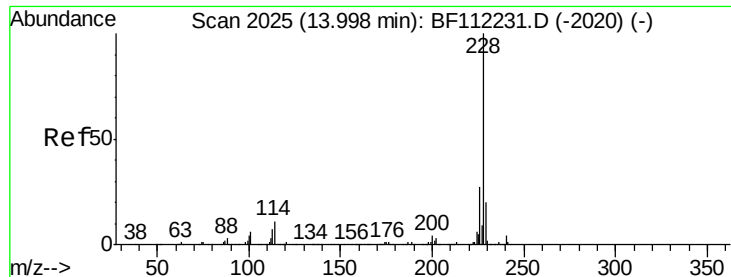


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

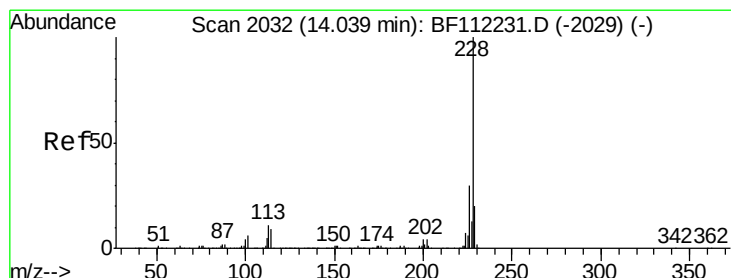
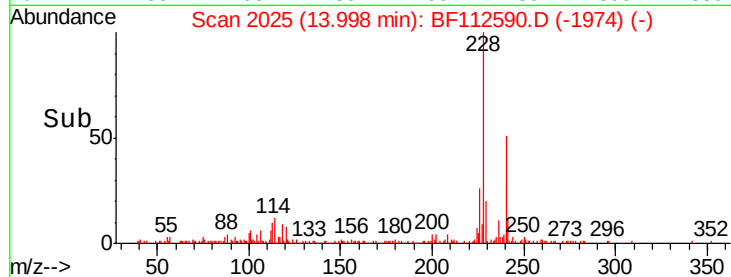
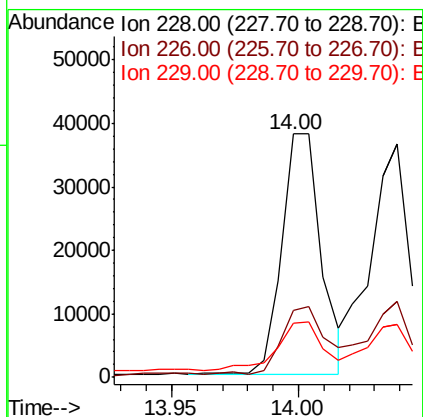
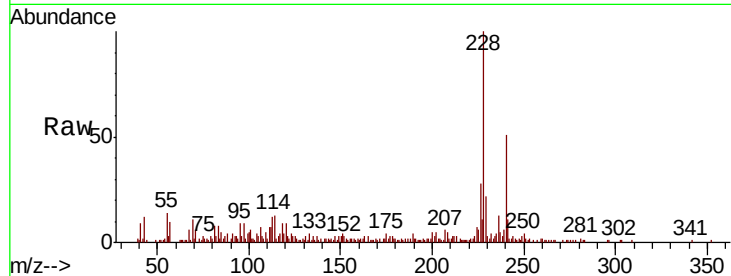




#81
Benzo(a)anthracene
Concen: 2.880 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF112590.D
Acq: 15 Feb 2019 20:32

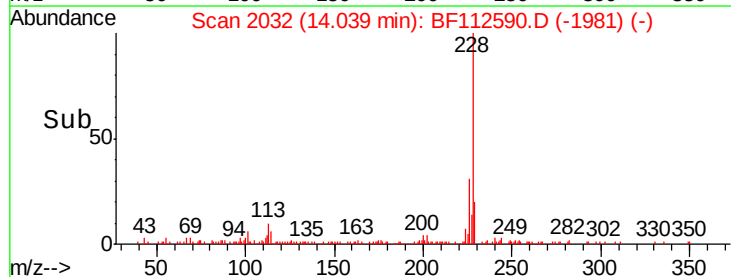
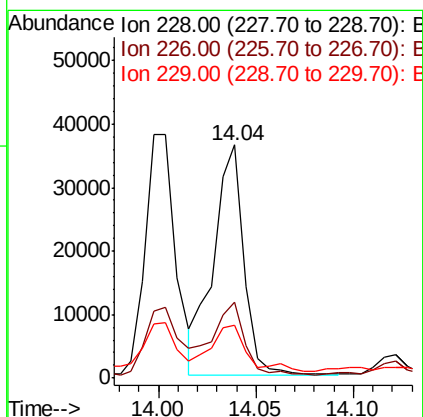
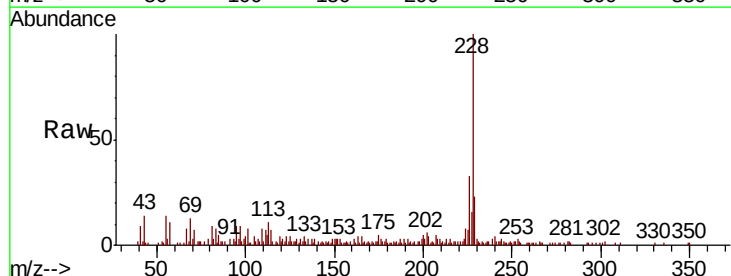
Instrument :
BNA_F
ClientSampleId :
CL-01-021419-D

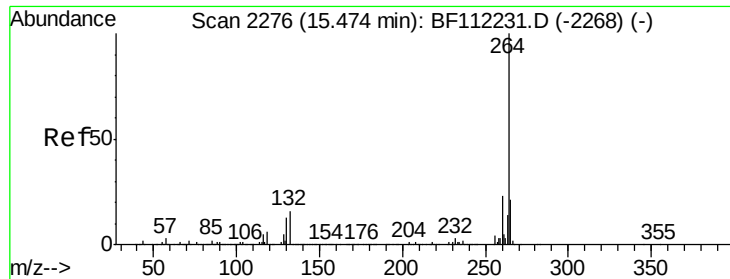
Tgt Ion:228 Resp: 41201
Ion Ratio Lower Upper
228 100
226 27.8 22.6 34.0
229 22.2 16.5 24.7



#83
Chrysene
Concen: 2.908 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF112590.D
Acq: 15 Feb 2019 20:32

Tgt Ion:228 Resp: 39700
Ion Ratio Lower Upper
228 100
226 32.8 25.0 37.6
229 22.9 16.6 24.8

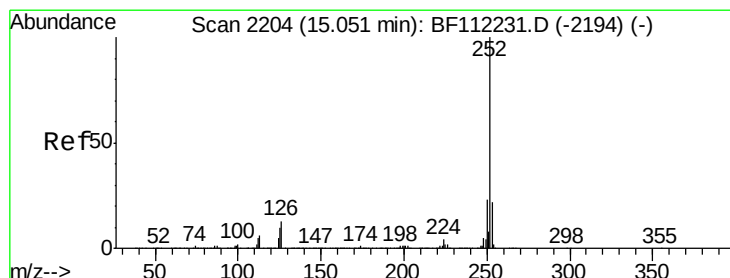
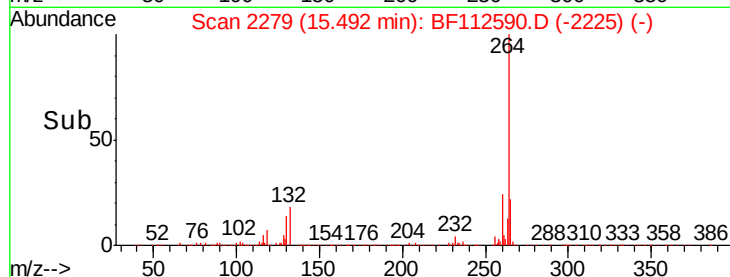
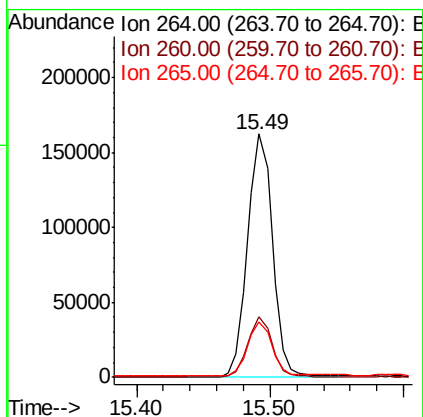
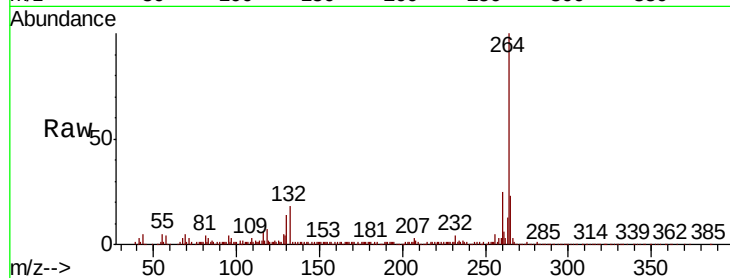




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF112590.D
Acq: 15 Feb 2019 20:32

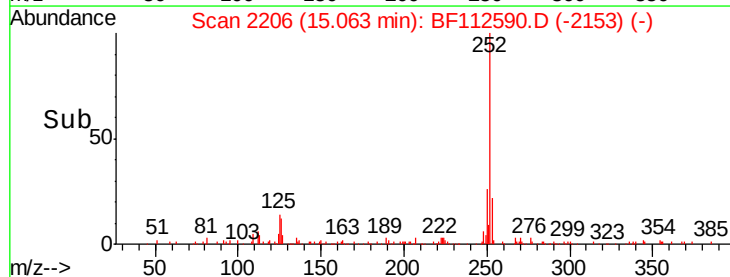
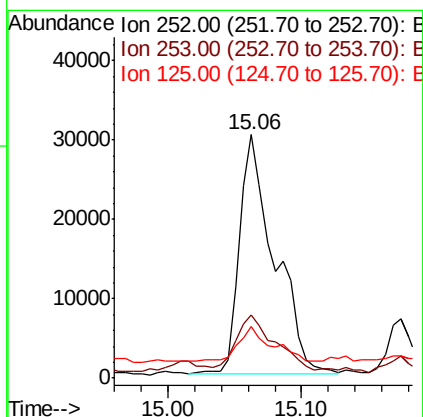
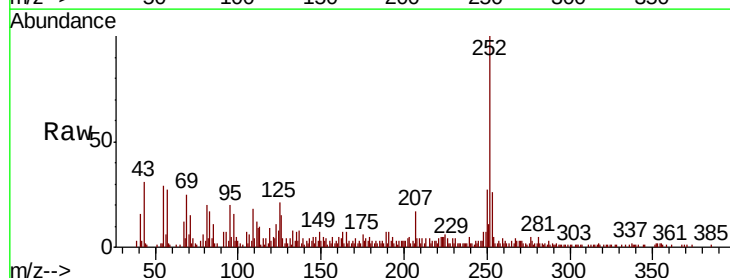
Instrument :
BNA_F
ClientSampleId :
CL-01-021419-D

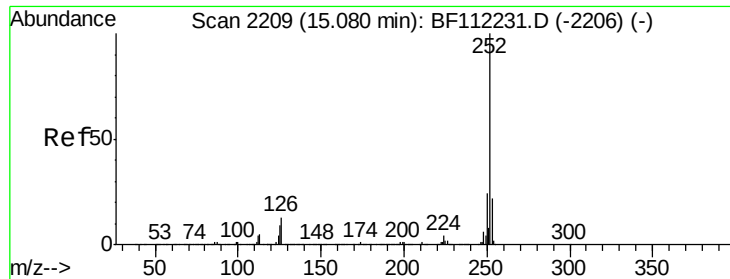
Tgt Ion: 264 Resp: 208184
Ion Ratio Lower Upper
264 100
260 24.7 18.2 27.2
265 22.7 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 4.388 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112590.D
Acq: 15 Feb 2019 20:32

Tgt Ion: 252 Resp: 54638
Ion Ratio Lower Upper
252 100
253 26.0 18.0 27.0
125 21.3 8.7 13.1#

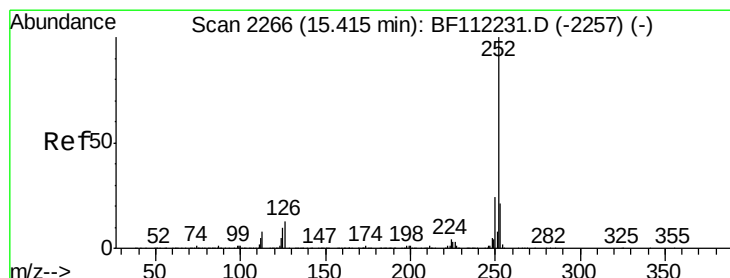
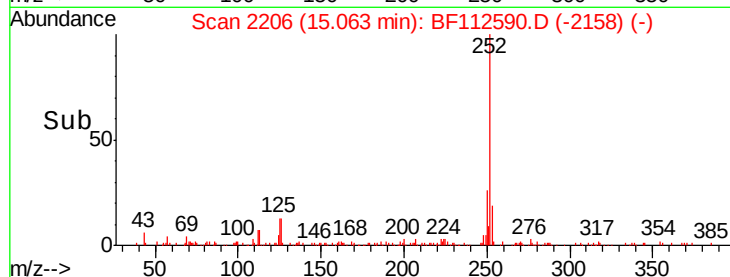
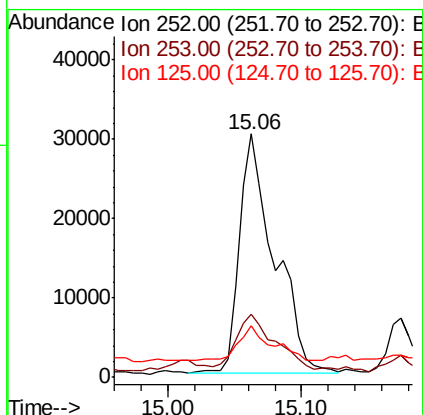
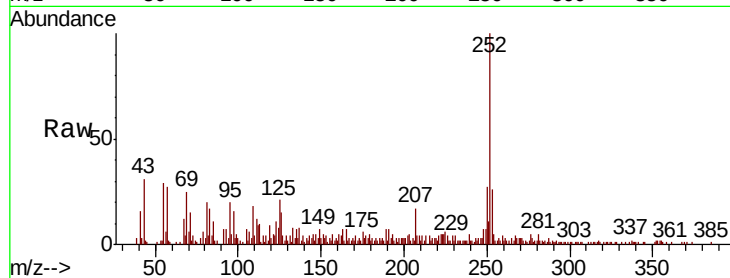




#89
Benzo(k)fluoranthene
Concen: 4.582 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF112590.D
Acq: 15 Feb 2019 20:32

Instrument :
BNA_F
ClientSampleId :
CL-01-021419-D

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.0	27.0
125	21.3	9.1	13.7#



#90
Benzo(a)pyrene
Concen: 2.707 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112590.D
Acq: 15 Feb 2019 20:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.5	26.3
125	18.2	9.0	13.4#

