

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021219\
 Data File : BF112512.D
 Acq On : 12 Feb 2019 15:45
 Operator : JU/SJ
 Sample : K1459-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-10-S

Quant Time: Feb 13 03:38:57 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	112414	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	432715	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	197759	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	335580	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	259077	20.00	ng	0.00
87) Perylene-d12	15.49	264	278120	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	399113	75.41	ng	-0.01
7) Phenol-d6	6.48	99	509489	69.28	ng	-0.01
23) Nitrobenzene-d5	7.39	82	328368	43.73	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	130613	56.74	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	657383	47.01	ng	-0.02
79) Terphenyl-d14	12.94	244	528800	38.44	ng	-0.01

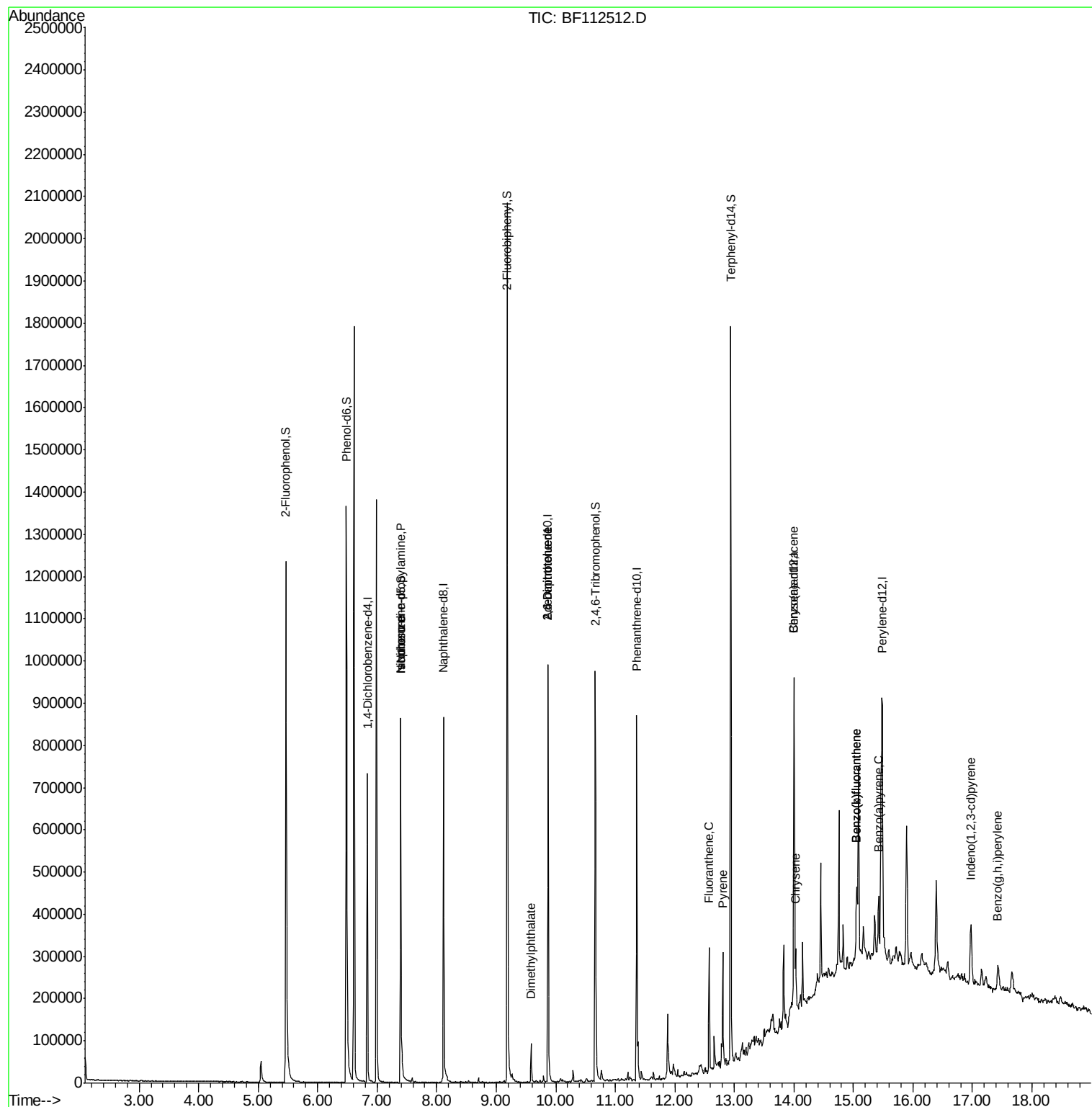
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	43580	8.594	ng	# 76
25) Isophorone	7.39	82	328366	27.872	ng	# 63
50) Dimethylphthalate	9.59	163	48005	3.124	ng	99
51) 2,6-Dinitrotoluene	9.87	165	24608	7.151	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	24608	5.617	ng	# 32
75) Fluoranthene	12.57	202	110087	5.883	ng	98
78) Pyrene	12.80	202	103622	5.777	ng	96
81) Benzo(a)anthracene	14.00	228	60584	3.978	ng	96
83) Chrysene	14.03	228	55422	3.812	ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	43643	3.789	ng	# 91
88) Benzo(b)fluoranthene	15.06	252	124045	7.458	ng	92
89) Benzo(k)fluoranthene	15.06	252	124045	7.786	ng	93
90) Benzo(a)pyrene	15.42	252	71598	4.784	ng	# 92
92) Benzo(g,h,i)perylene	17.43	276	42585	3.742	ng	94

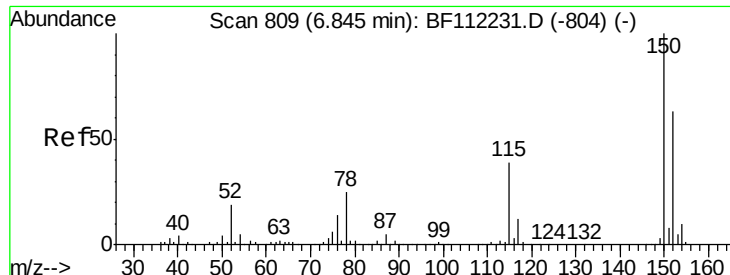
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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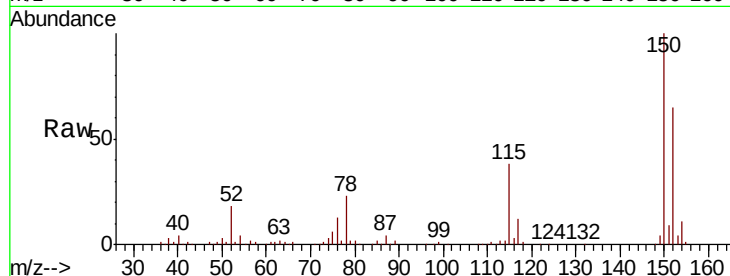


#1

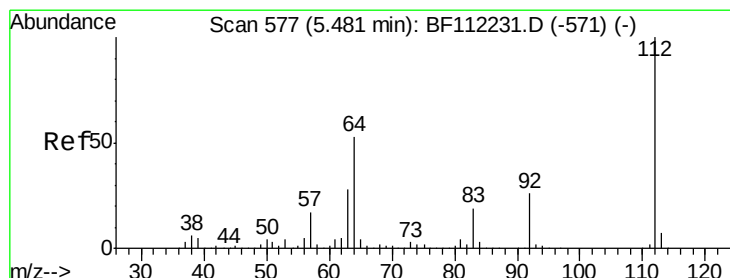
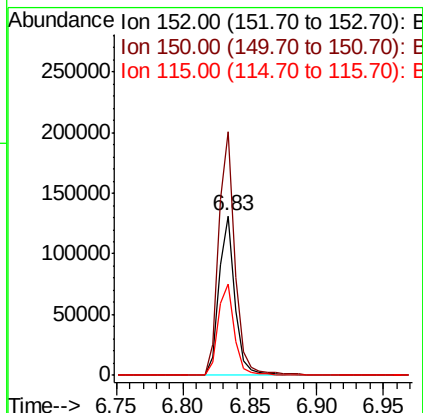
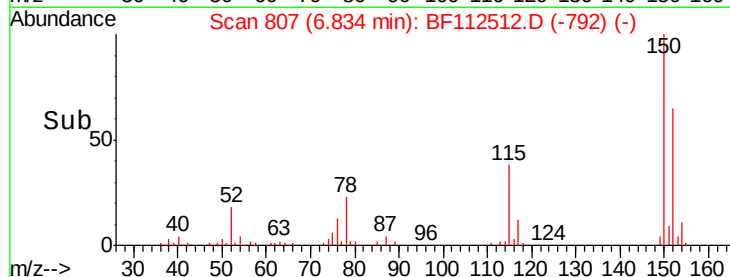
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112512.D
 Acq: 12 Feb 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 M-10-S

Tgt Ion:152 Resp: 112414
 Ion Ratio Lower Upper
 152 100
 150 152.8 127.4 191.0
 115 57.7 45.5 68.3



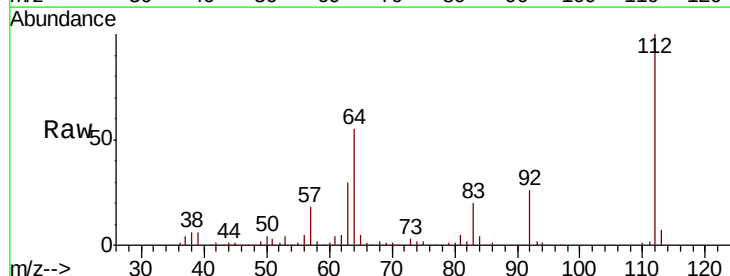
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



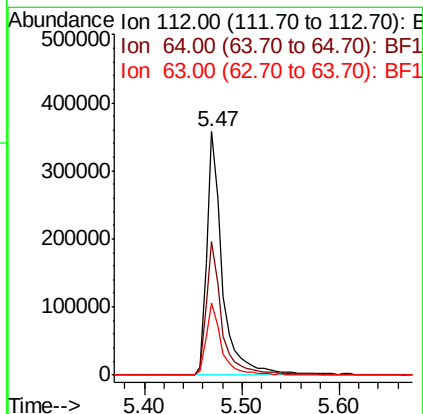
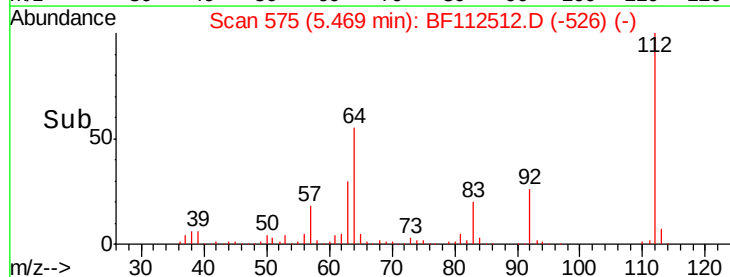
#5

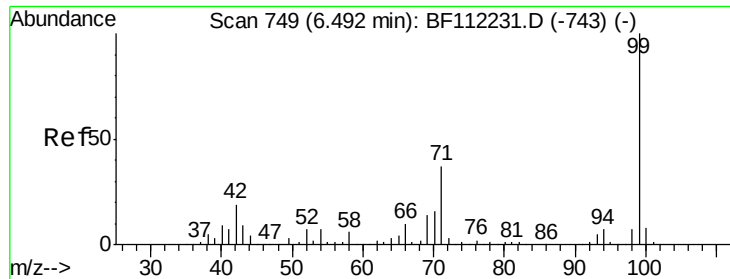
2-Fluorophenol
 Concen: 75.413 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF112512.D
 Acq: 12 Feb 2019 15:45

Tgt Ion:112 Resp: 399113
 Ion Ratio Lower Upper
 112 100
 64 55.1 45.7 68.5
 63 29.8 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: 69.280 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112512.D

Acq: 12 Feb 2019 15:45

Instrument :

BNA_F

ClientSampled :

M-10-S

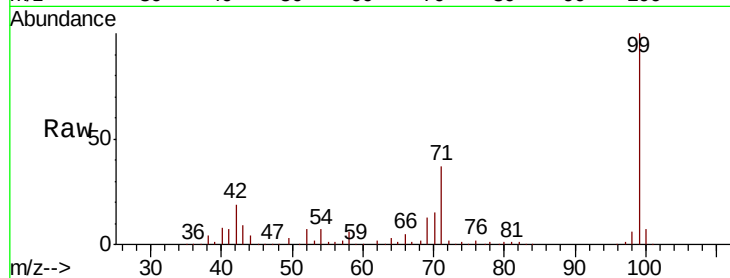
Tgt Ion: 99 Resp: 509489

Ion Ratio Lower Upper

99 100

42 18.7 15.1 22.7

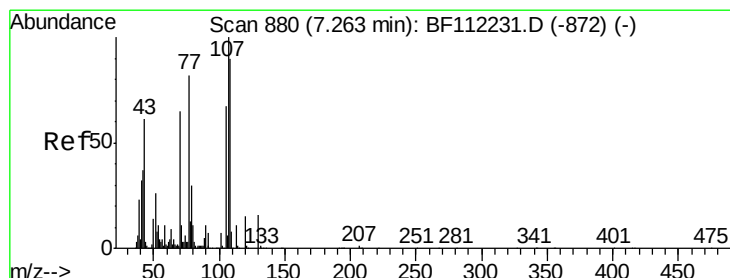
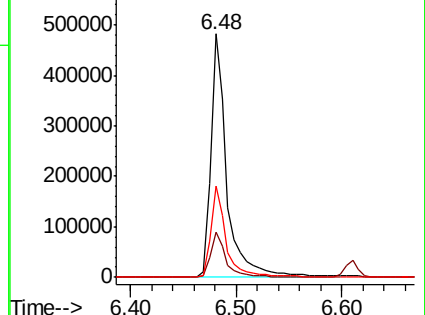
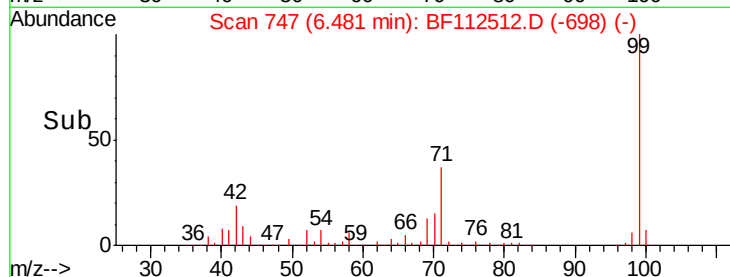
71 37.3 26.9 40.3



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: 8.594 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF112512.D

Acq: 12 Feb 2019 15:45

Tgt Ion: 70 Resp: 43580

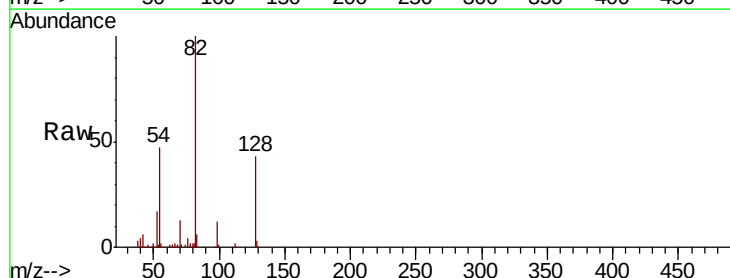
Ion Ratio Lower Upper

70 100

42 47.5 47.6 71.4#

101 0.0 7.9 11.9#

130 2.4 18.4 27.6#

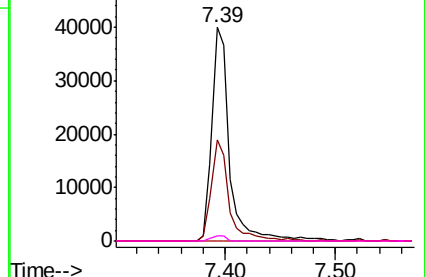
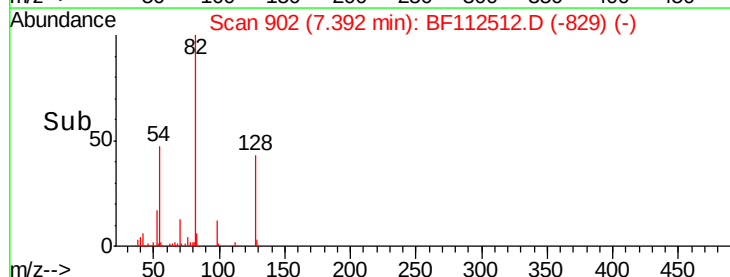


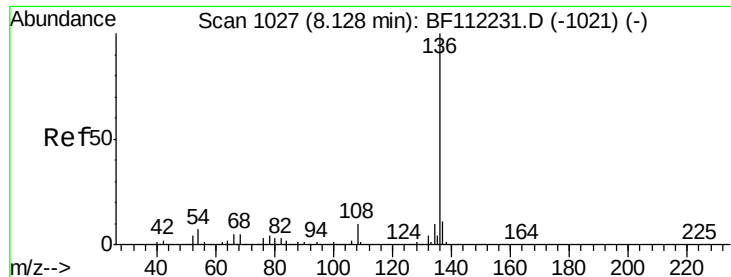
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

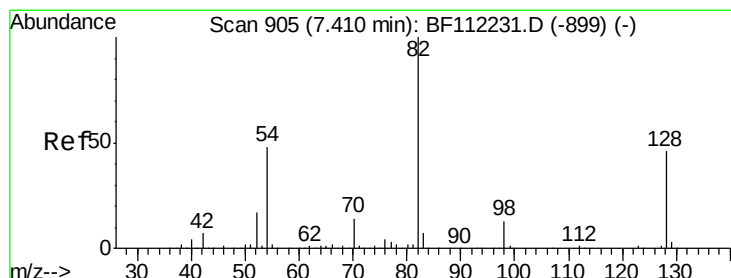
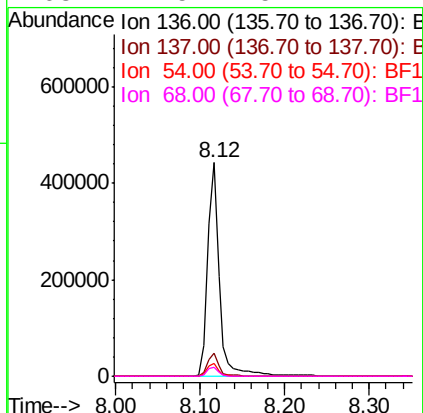
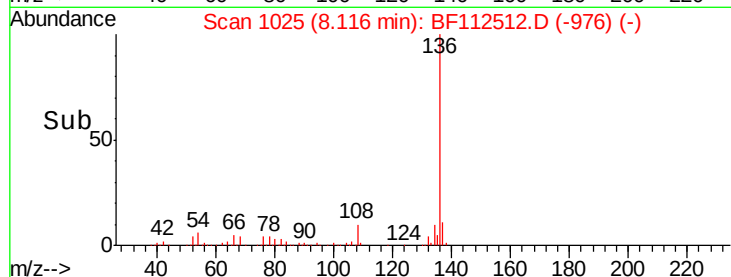
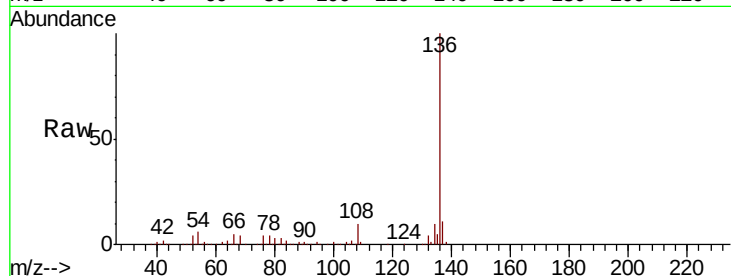




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112512.D
Acq: 12 Feb 2019 15:45

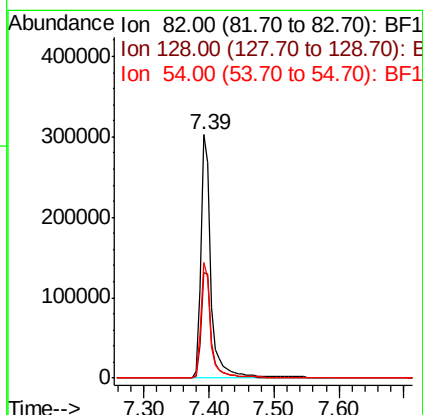
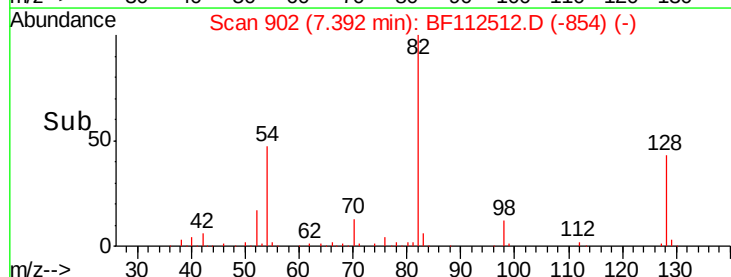
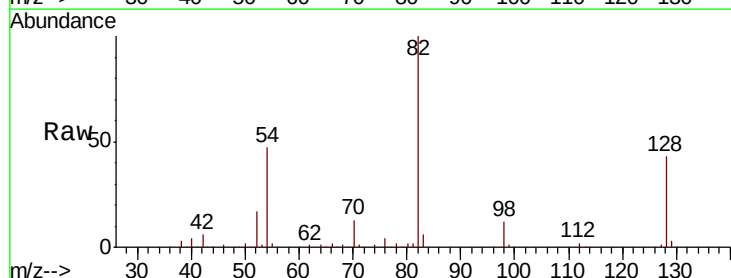
Instrument :
BNA_F
ClientSampleId :
M-10-S

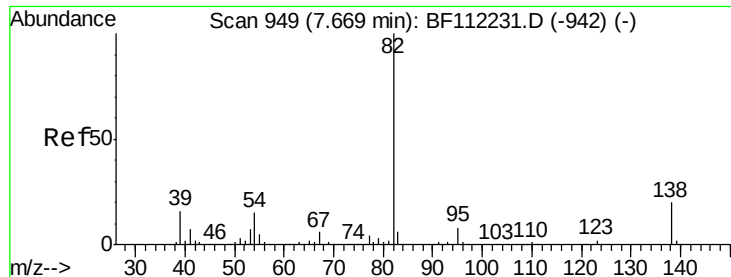
Tgt Ion:	136	Resp:	432715
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	6.2	5.9	8.9
68	4.5	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 43.725 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112512.D
Acq: 12 Feb 2019 15:45

Tgt Ion:	82	Resp:	328368
Ion	Ratio	Lower	Upper
82	100		
128	43.3	37.8	56.8
54	47.2	39.7	59.5





#25

Isophorone

Concen: 27.872 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112512.D

Acq: 12 Feb 2019 15:45

Instrument :

BNA_F

ClientSampleId :

M-10-S

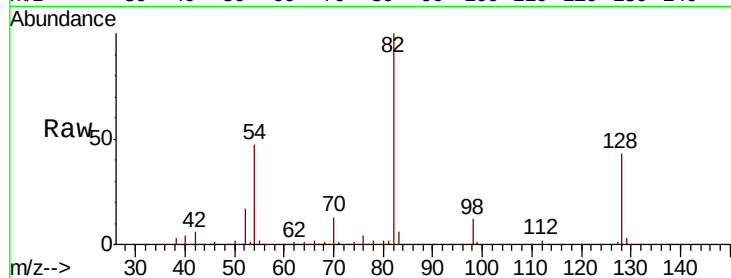
Tgt Ion: 82 Resp: 328366

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

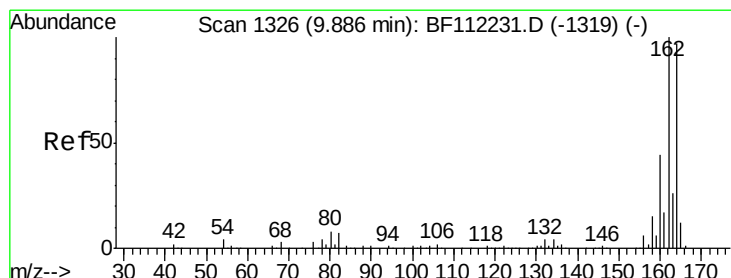
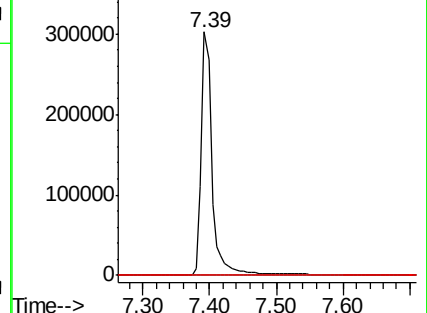
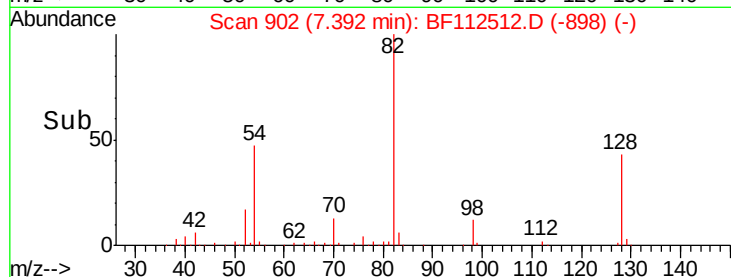
138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112512.D

Acq: 12 Feb 2019 15:45

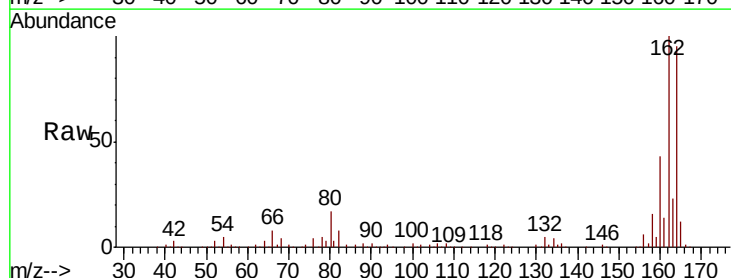
Tgt Ion: 164 Resp: 197759

Ion Ratio Lower Upper

164 100

162 105.4 82.2 123.4

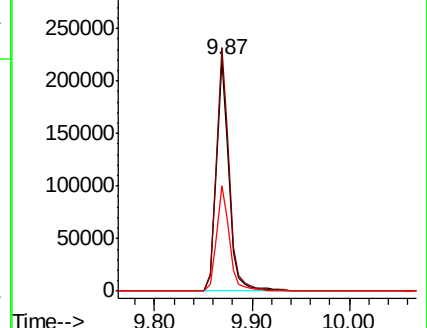
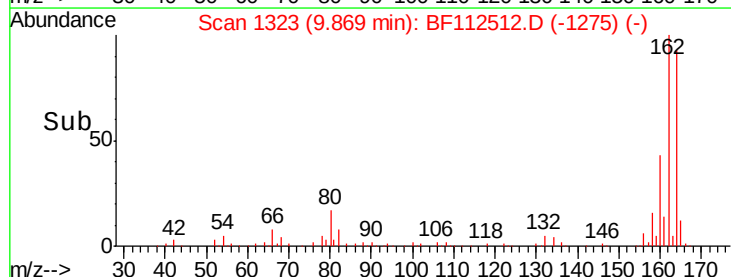
160 45.6 36.2 54.4

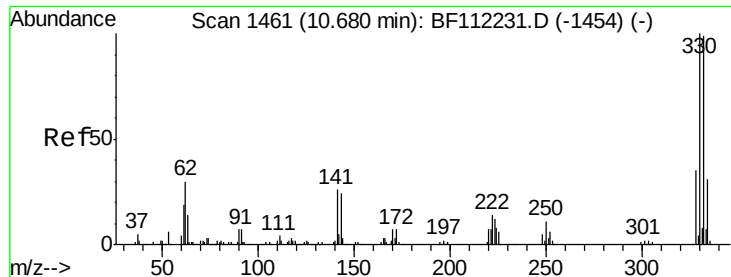


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 56.742 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112512.D

Acq: 12 Feb 2019 15:45

Instrument :

BNA_F

ClientSampleId :

M-10-S

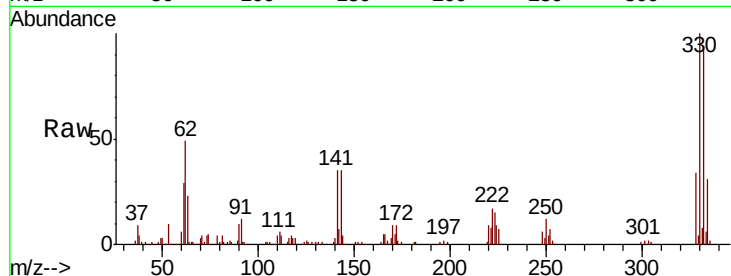
Tgt Ion:330 Resp: 130613

Ion Ratio Lower Upper

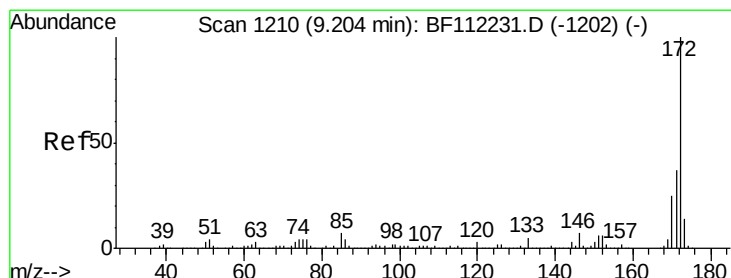
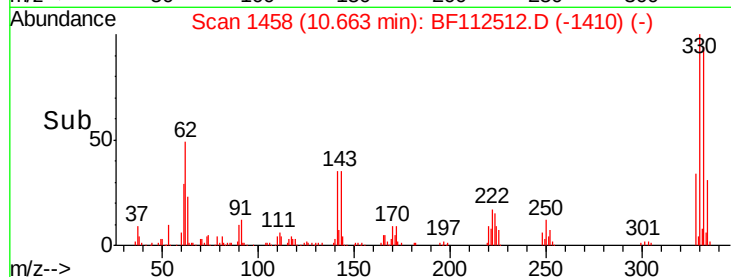
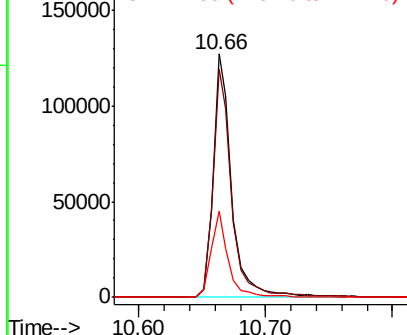
330 100

332 95.2 76.6 114.8

141 32.9 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: 47.015 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112512.D

Acq: 12 Feb 2019 15:45

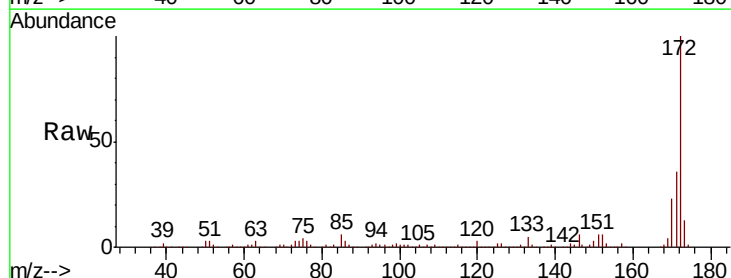
Tgt Ion:172 Resp: 657383

Ion Ratio Lower Upper

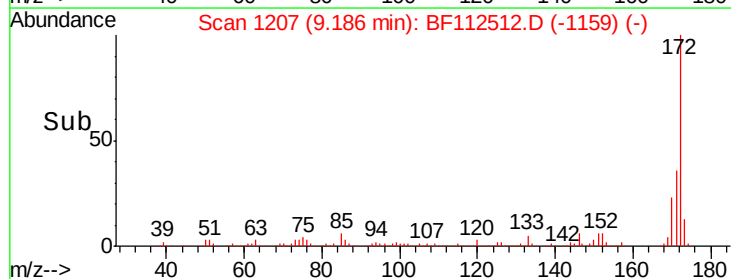
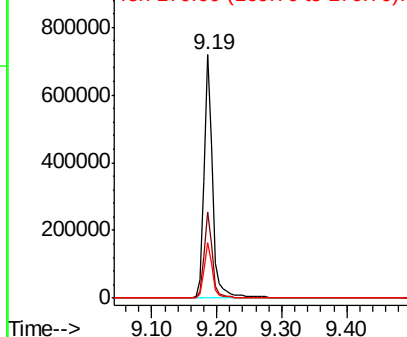
172 100

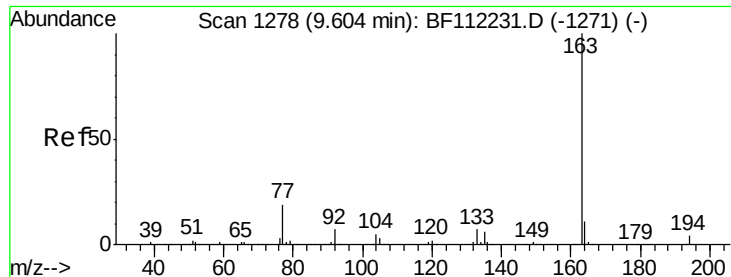
171 35.6 30.5 45.7

170 22.8 20.2 30.4



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

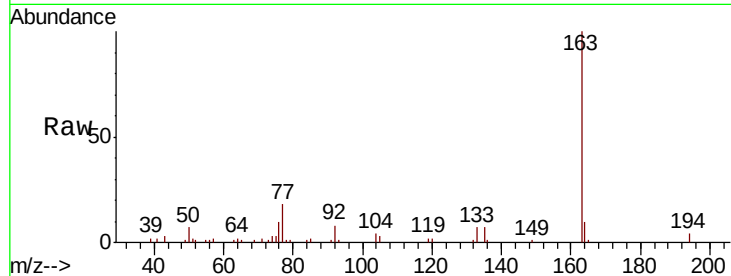




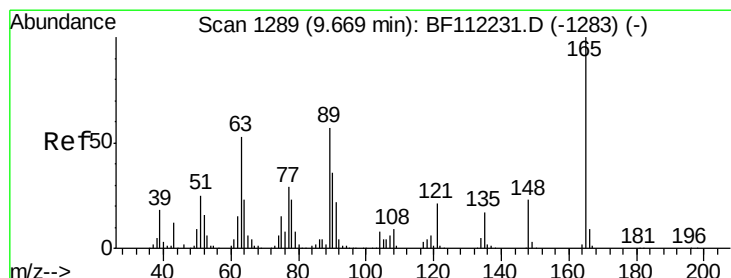
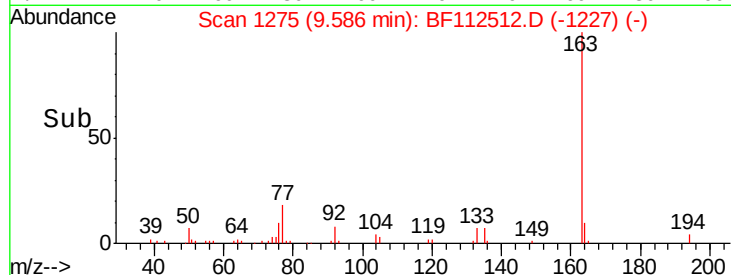
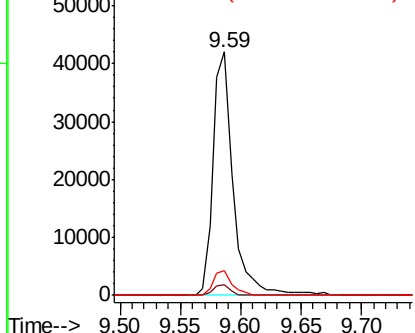
#50
Dimethylphthalate
Concen: 3.124 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112512.D
Acq: 12 Feb 2019 15:45

Instrument :
BNA_F
ClientSampled :
M-10-S

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.9	8.5	12.7

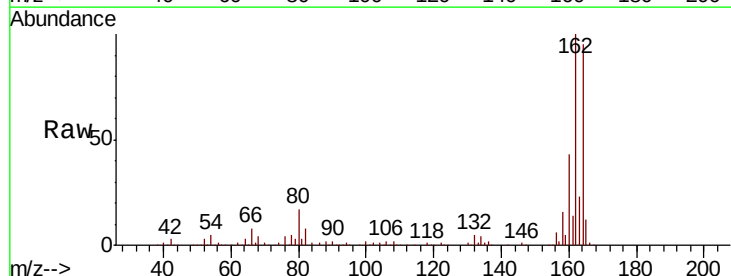


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

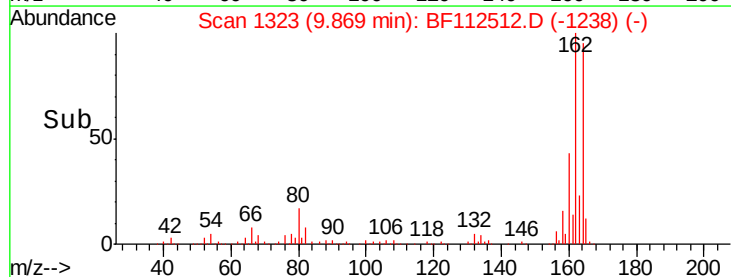
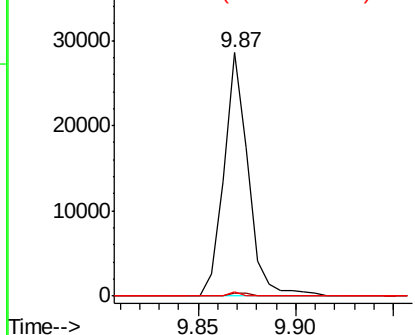


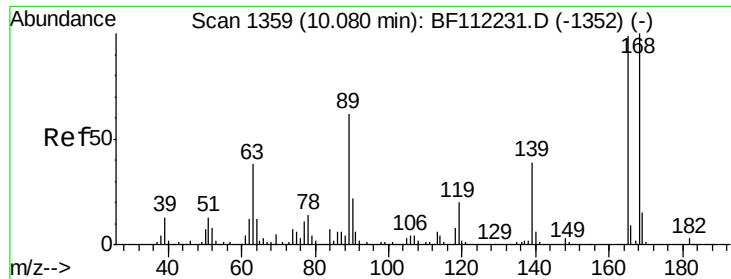
#51
2,6-Dinitrotoluene
Concen: 7.151 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.20 min
Lab File: BF112512.D
Acq: 12 Feb 2019 15:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	33.8	50.8#
89	1.8	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

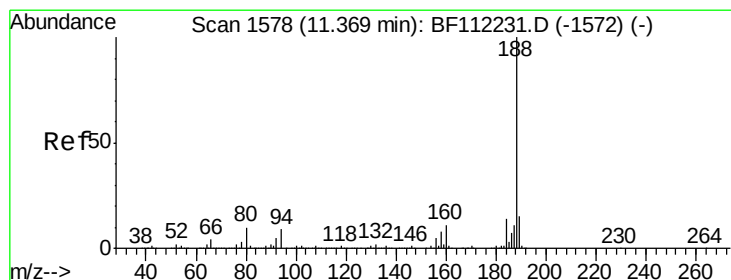
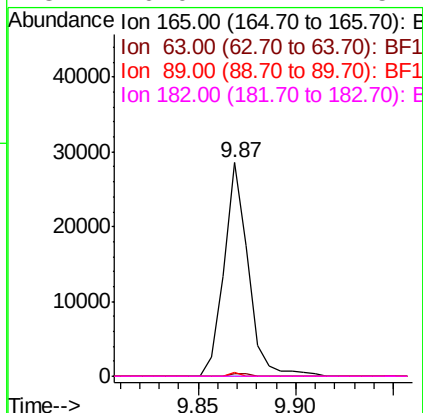
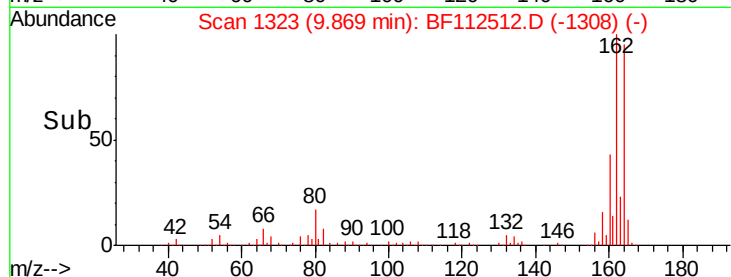
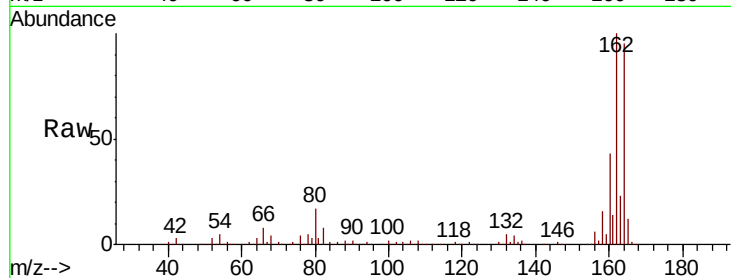




#57
2,4-Dinitrotoluene
Concen: 5.617 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF112512.D
Acq: 12 Feb 2019 15:45

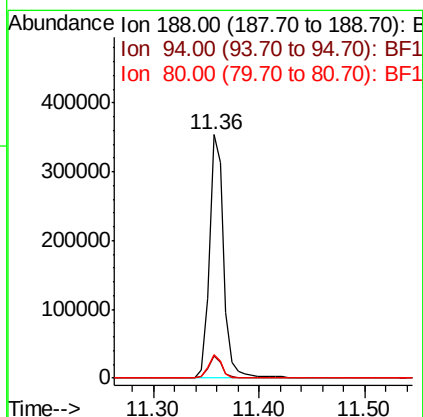
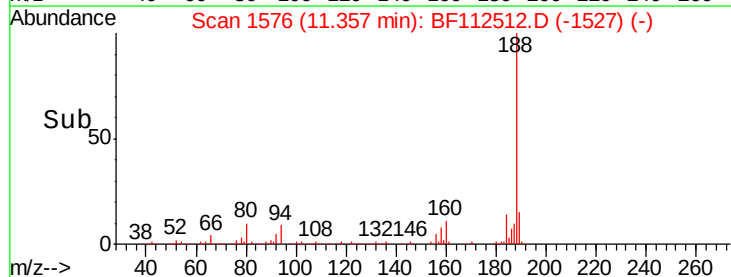
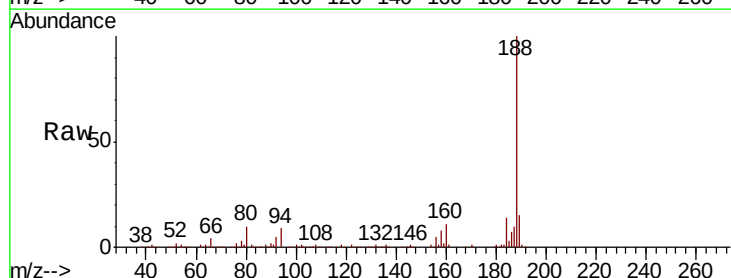
Instrument :
BNA_F
ClientSampleId :
M-10-S

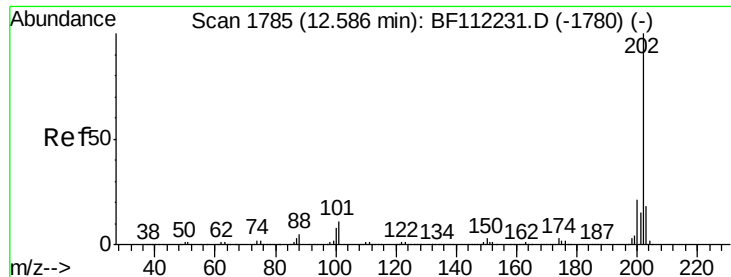
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	24608		
63	1.4	27.9	41.9#	
89	1.8	47.9	71.9#	
182	0.0	2.2	3.4#	



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112512.D
Acq: 12 Feb 2019 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	335580		
94	8.9	8.2	12.2	
80	9.7	8.9	13.3	





#75

Fluoranthene

Concen: 5.883 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112512.D

Acq: 12 Feb 2019 15:45

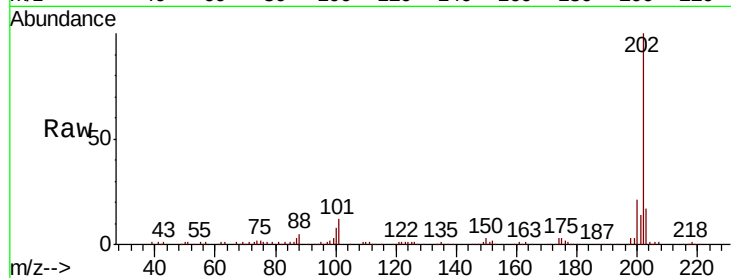
Instrument :

BNA_F

ClientSampleId :

M-10-S

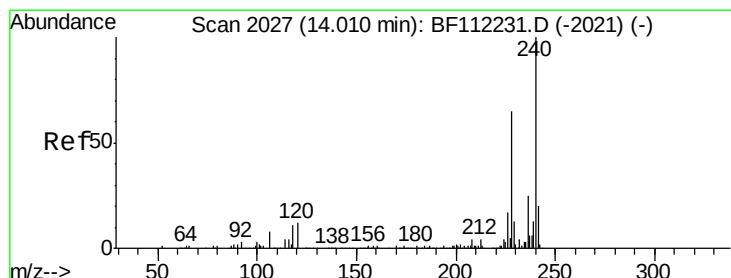
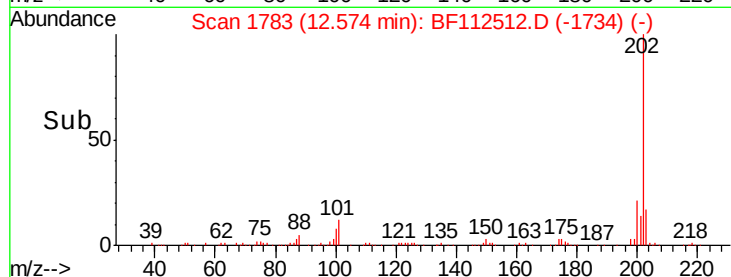
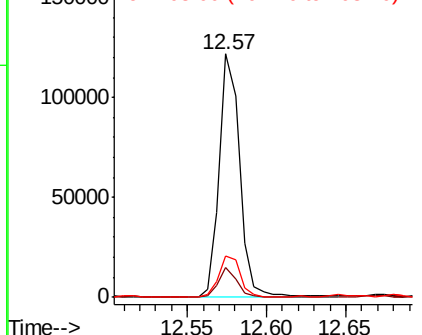
Tgt Ion:	202	Resp:	110087
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	31.8
203	17.0	0.0	38.4



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

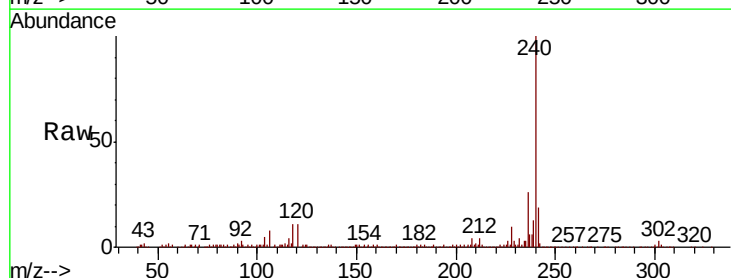
RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112512.D

Acq: 12 Feb 2019 15:45

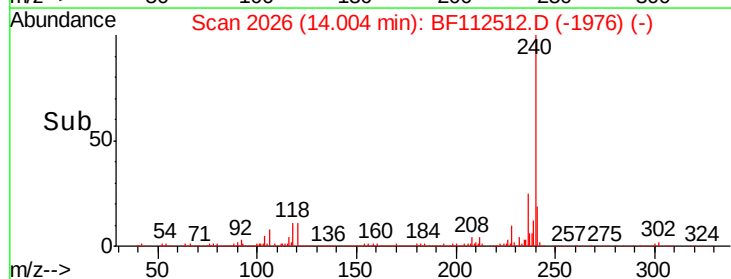
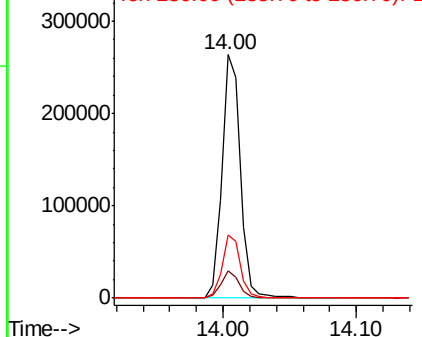
Tgt Ion:	240	Resp:	259077
Ion Ratio	Lower	Upper	
240	100		
120	11.1	9.0	13.6
236	25.7	20.7	31.1

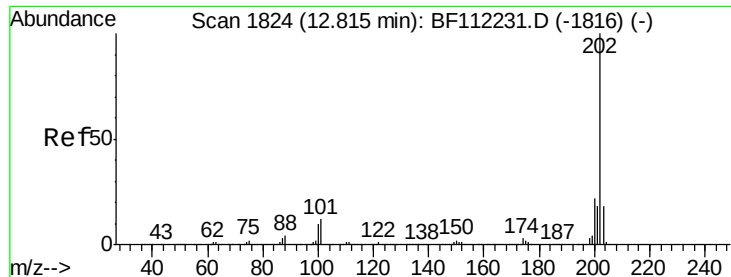


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

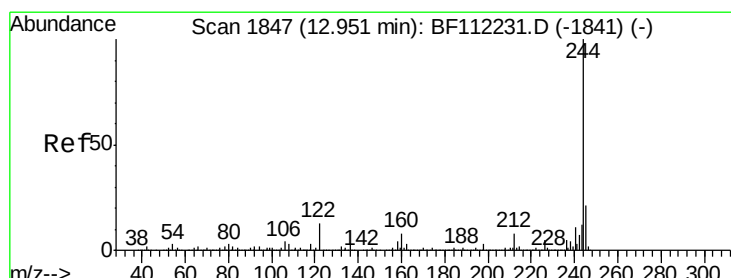
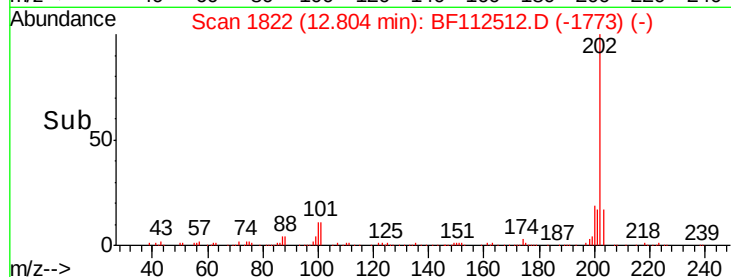
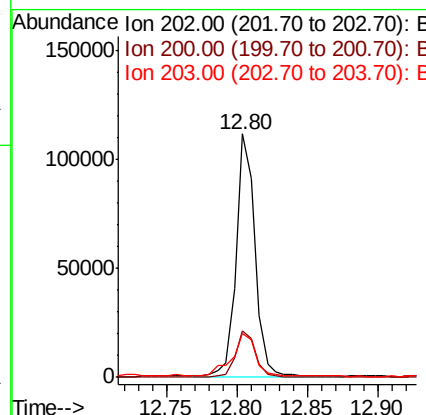
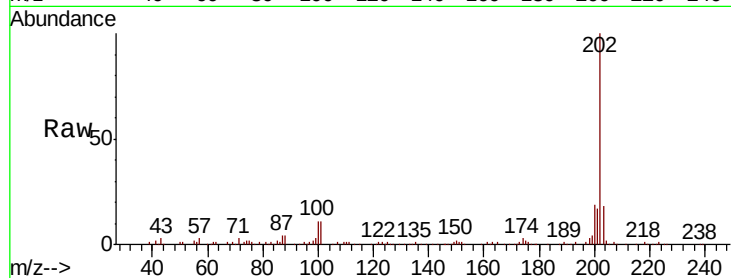




#78
 Pyrene
 Concen: 5.777 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BF112512.D
 Acq: 12 Feb 2019 15:45

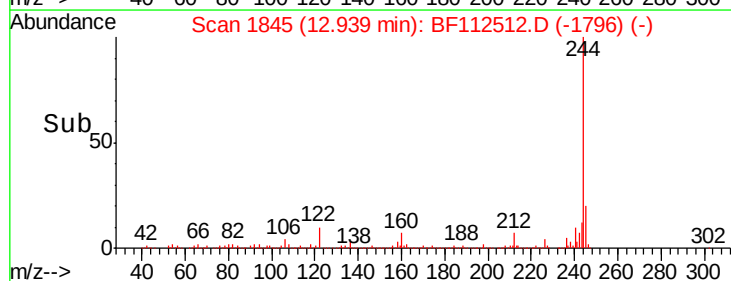
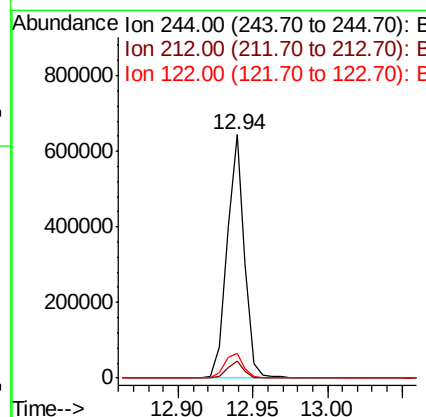
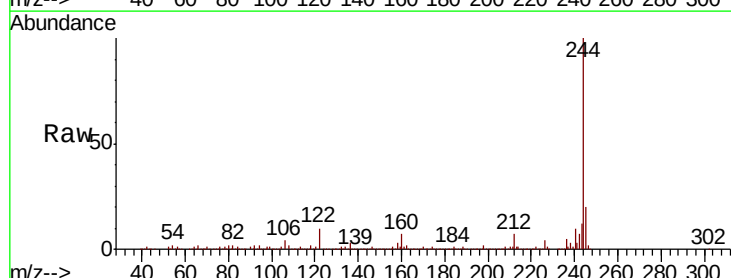
Instrument :
 BNA_F
 ClientSampleId :
 M-10-S

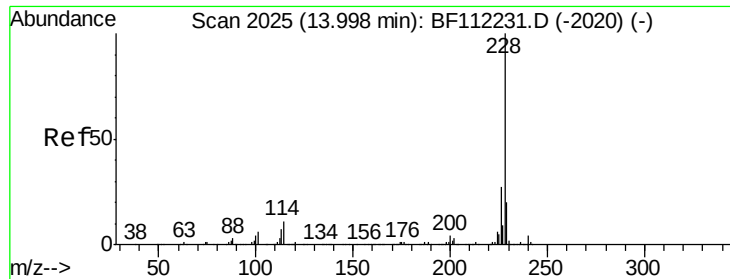
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.3	17.7	26.5
203	17.8	14.6	22.0



#79
 Terphenyl-d14
 Concen: 38.443 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112512.D
 Acq: 12 Feb 2019 15:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.2	9.8	14.6

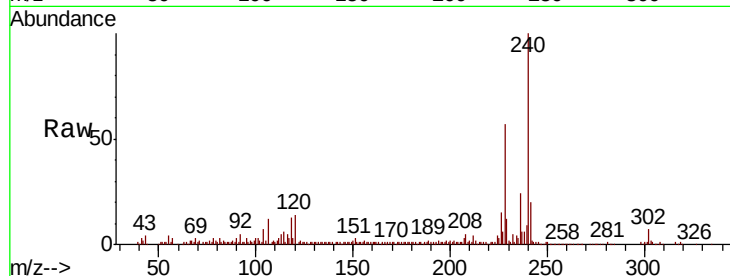




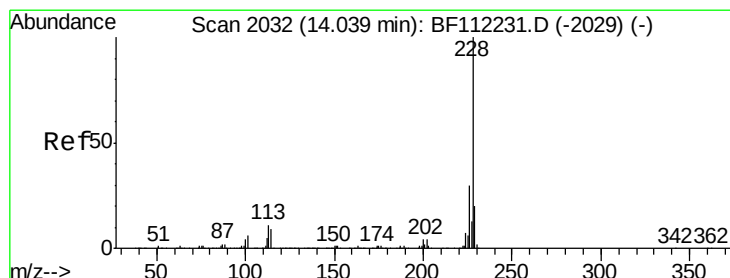
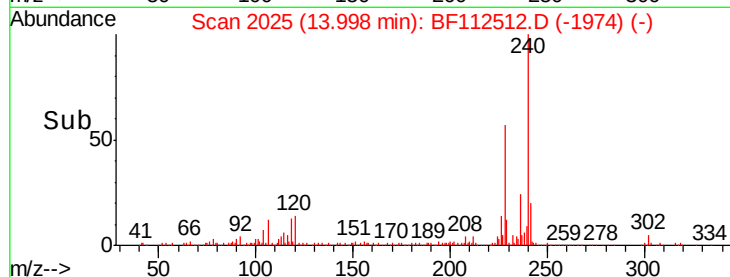
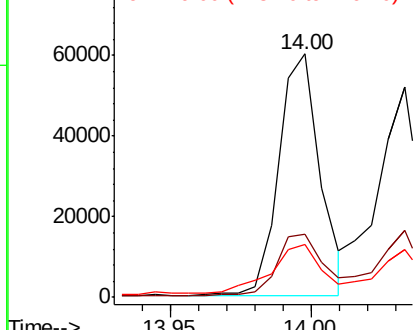
#81
Benzo(a)anthracene
Concen: 3.978 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF112512.D
Acq: 12 Feb 2019 15:45

Instrument :
BNA_F
ClientSampleId :
M-10-S

Tgt Ion:228 Resp: 60584
Ion Ratio Lower Upper
228 100
226 26.0 22.6 34.0
229 21.7 16.5 24.7

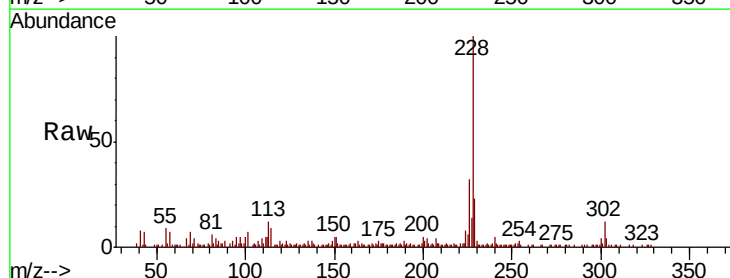


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

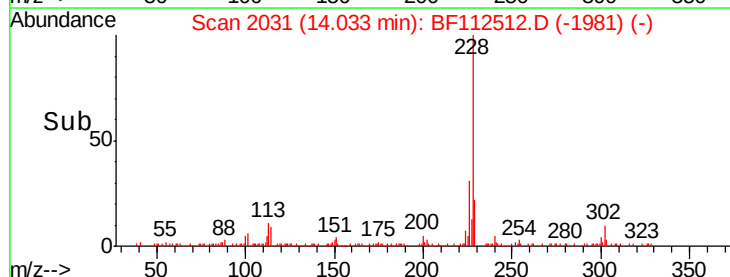
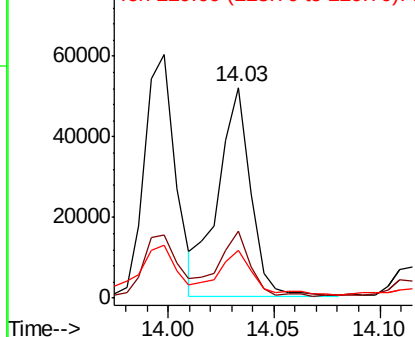


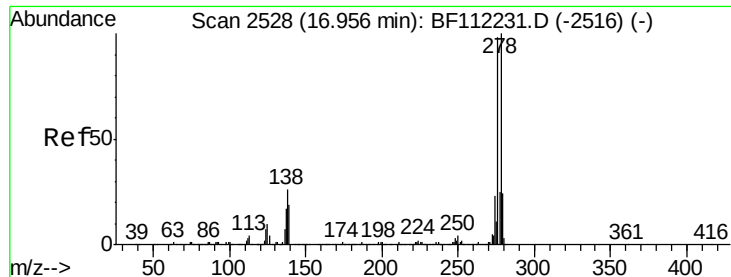
#83
Chrysene
Concen: 3.812 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112512.D
Acq: 12 Feb 2019 15:45

Tgt Ion:228 Resp: 55422
Ion Ratio Lower Upper
228 100
226 32.0 25.0 37.6
229 22.7 16.6 24.8



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





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.789 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.02 min

Lab File: BF112512.D

Acq: 12 Feb 2019 15:45

Instrument :

BNA_F

ClientSampleId :

M-10-S

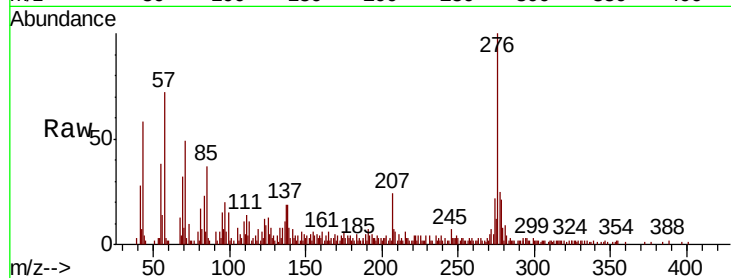
Tgt Ion:276 Resp: 43643

Ion Ratio Lower Upper

276 100

138 21.4 22.6 34.0#

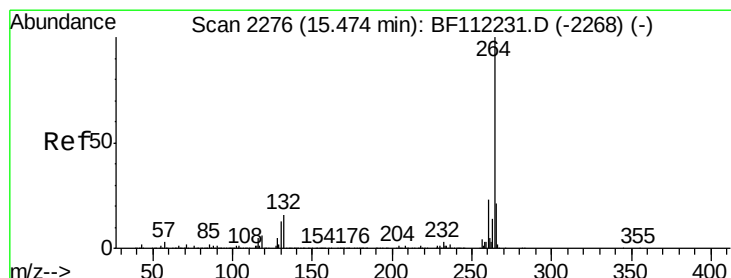
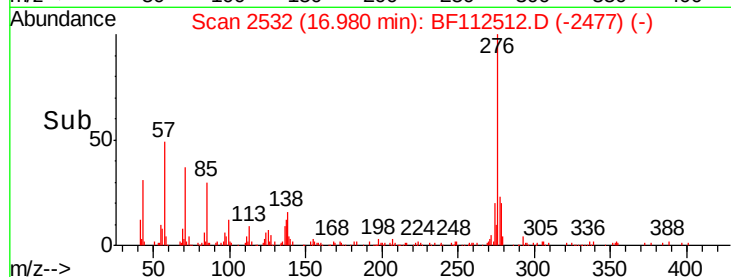
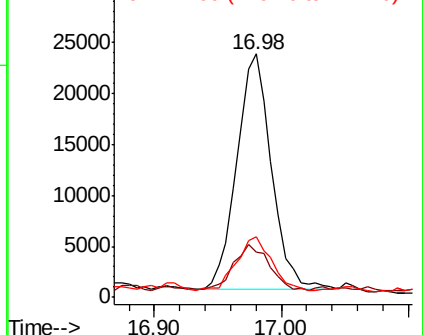
277 23.6 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF112512.D

Acq: 12 Feb 2019 15:45

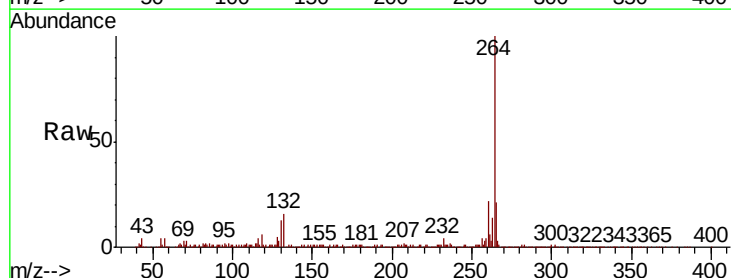
Tgt Ion:264 Resp: 278120

Ion Ratio Lower Upper

264 100

260 22.1 18.2 27.2

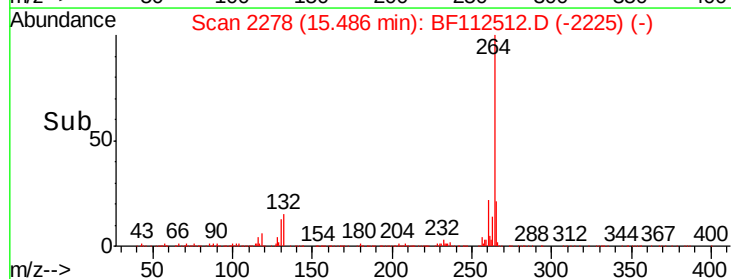
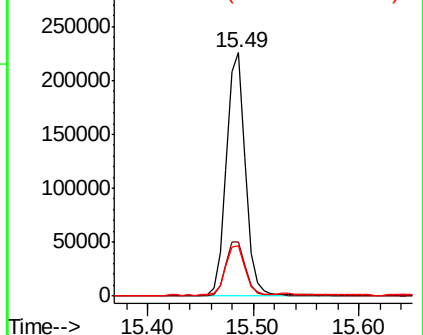
265 20.9 17.0 25.4

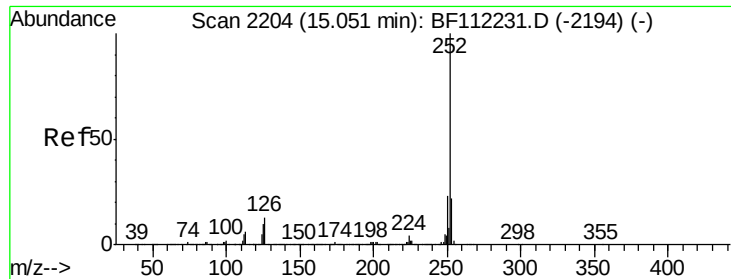


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

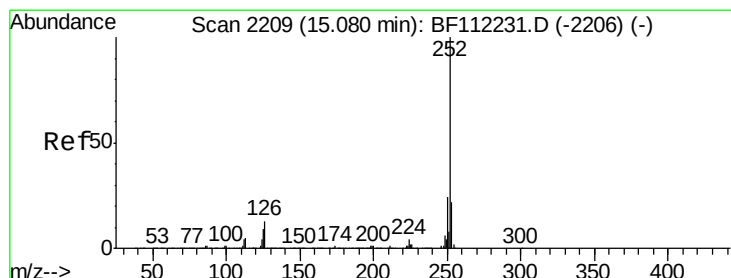
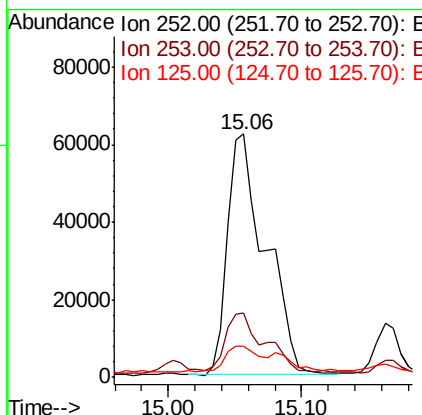
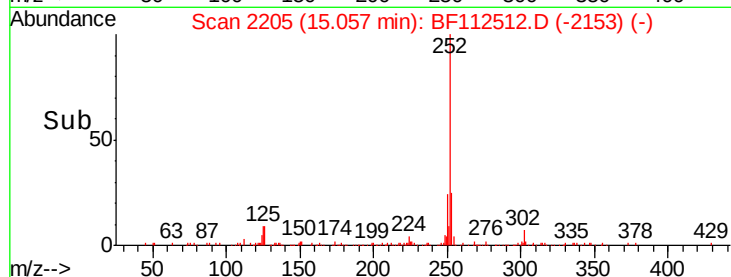
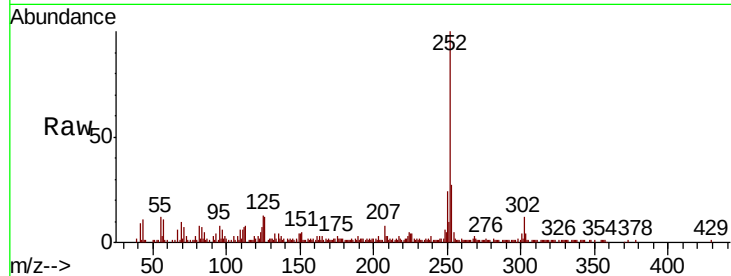




#88
Benzo(b)fluoranthene
Concen: 7.458 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF112512.D
Acq: 12 Feb 2019 15:45

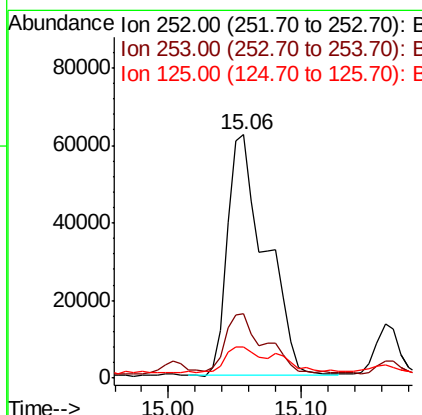
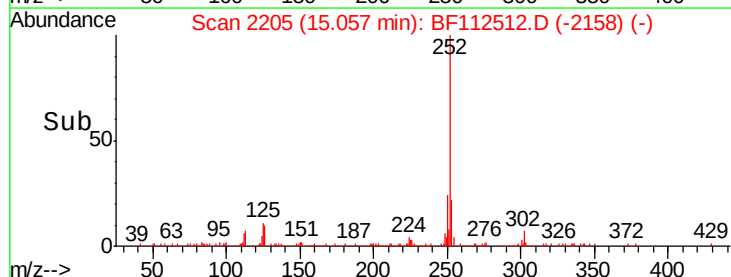
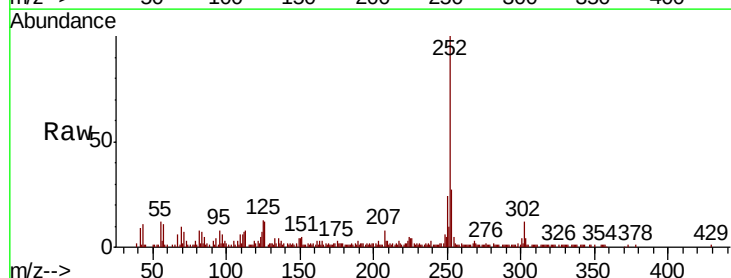
Instrument :
BNA_F
ClientSampleId :
M-10-S

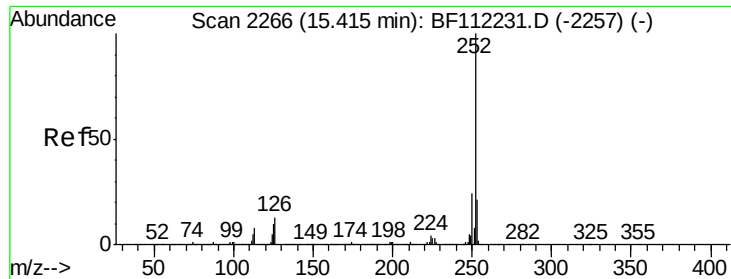
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.0	27.0
125	13.0	8.7	13.1



#89
Benzo(k)fluoranthene
Concen: 7.786 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF112512.D
Acq: 12 Feb 2019 15:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.0	27.0
125	13.0	9.1	13.7





#90

Benzo(a)pyrene

Concen: 4.784 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF112512.D

Acq: 12 Feb 2019 15:45

Instrument :

BNA_F

ClientSampleId :

M-10-S

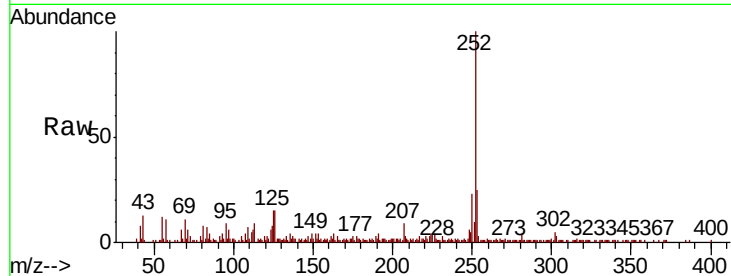
Tgt Ion:252 Resp: 71598

Ion Ratio Lower Upper

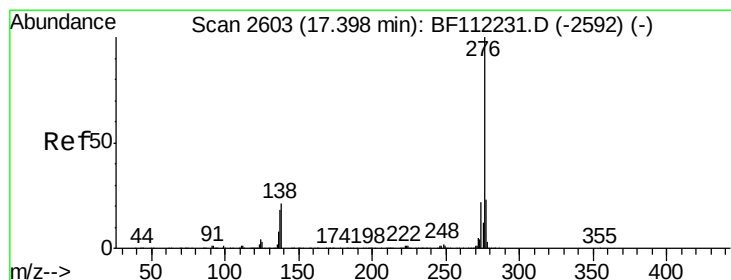
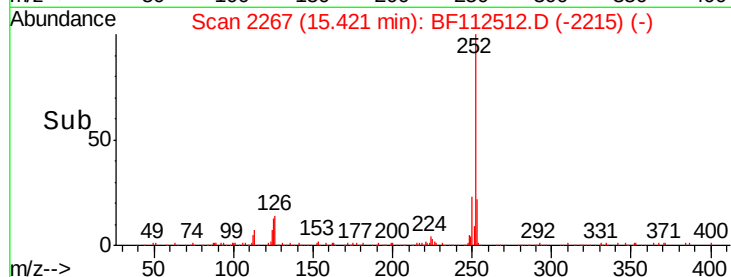
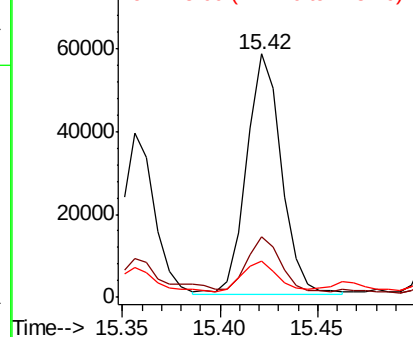
252 100

253 24.9 17.5 26.3

125 15.1 9.0 13.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.742 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.03 min

Lab File: BF112512.D

Acq: 12 Feb 2019 15:45

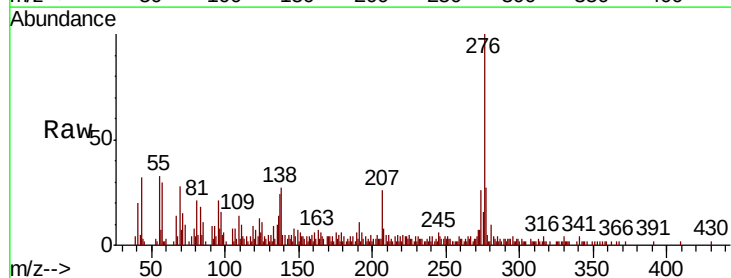
Tgt Ion:276 Resp: 42585

Ion Ratio Lower Upper

276 100

277 27.1 19.4 29.0

138 27.0 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

