

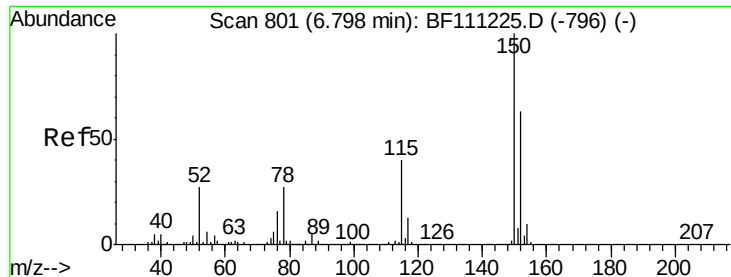
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121118\
 Data File : BF111301.D
 Acq On : 12 Dec 2018 2:54
 Operator : JU/SJ
 Sample : J6193-09 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-E

Quant Time: Dec 12 04:32:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	265120	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1059258	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	461436	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	706082	20.00	ng	0.00
76) Chrysene-d12	13.95	240	578521	20.00	ng	0.00
87) Perylene-d12	15.39	264	466957	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	354824	21.13	ng	0.00
7) Phenol-d6	6.42	99	458069	21.95	ng	-0.02
23) Nitrobenzene-d5	7.35	82	257137	13.62	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	75986	18.59	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	482165	11.55	ng	-0.01
79) Terphenyl-d14	12.90	244	342996	14.22	ng	0.00
Target Compounds						
9) Benzaldehyde	6.42	77	599	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.35	70	33832	2.420 ng	#	83
25) Isophorone	7.35	82	255676	7.949 ng	#	64
46) 1,1'-Biphenyl	9.25	154	4307	Below Cal		90
51) 2,6-Dinitrotoluene	9.83	165	58346	7.760 ng	#	29
57) 2,4-Dinitrotoluene	9.83	165	58346	6.295 ng	#	25
71) Phenanthrene	11.34	178	119692	3.361 ng		92
75) Fluoranthene	12.52	202	86074	2.646 ng		98
78) Pyrene	12.52	202	86074	2.082 ng		94
88) Benzo(b)fluoranthene	14.97	252	57991	2.246 ng	#	87
89) Benzo(k)fluoranthene	14.97	252	57991	2.389 ng	#	86

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

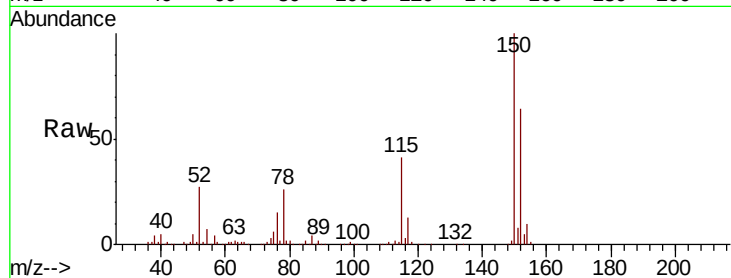


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF111301.D
Acq: 12 Dec 2018 2:54

Instrument :
BNA_F
ClientSampleId :
CL-01-121018-E

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.6	189.8
115	63.6	50.7	76.1

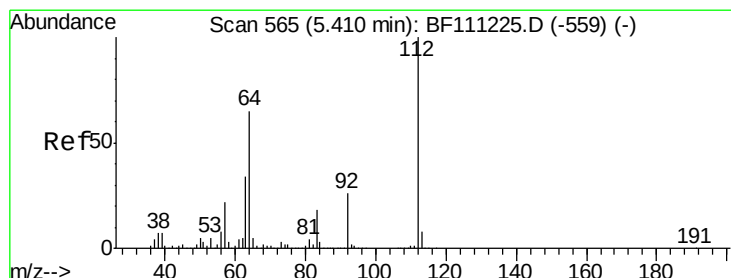
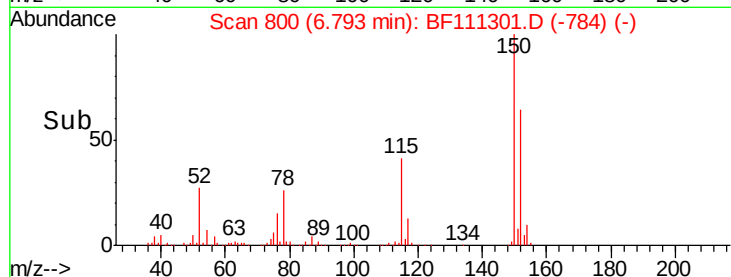
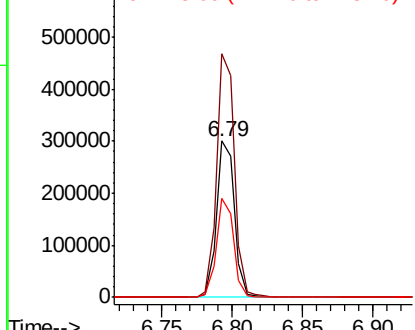


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

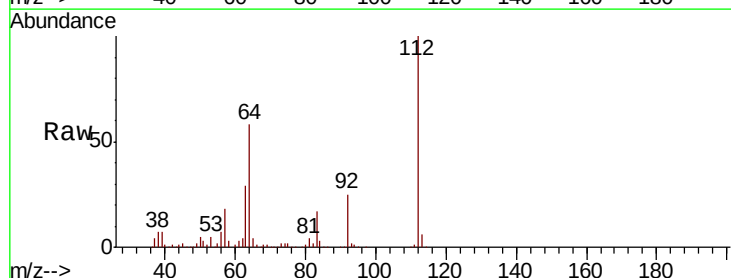
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.134 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF111301.D
Acq: 12 Dec 2018 2:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	51.8	77.6
63	28.6	26.8	40.2

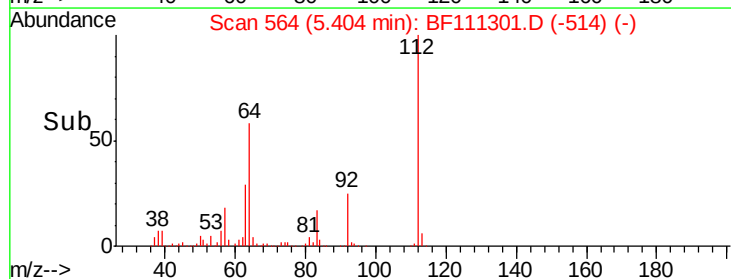
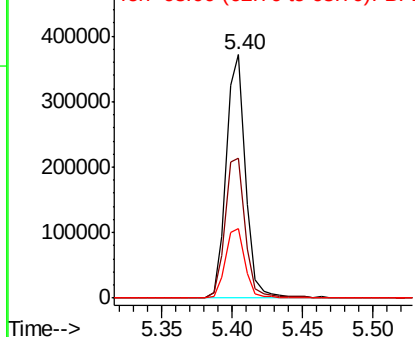


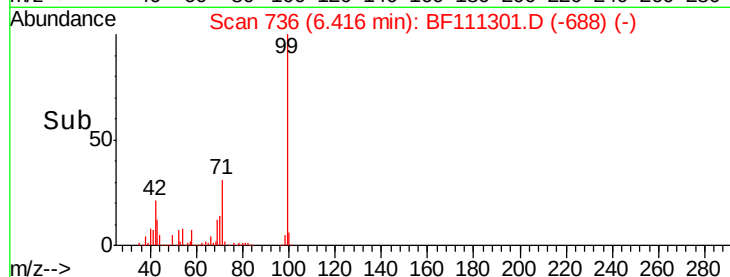
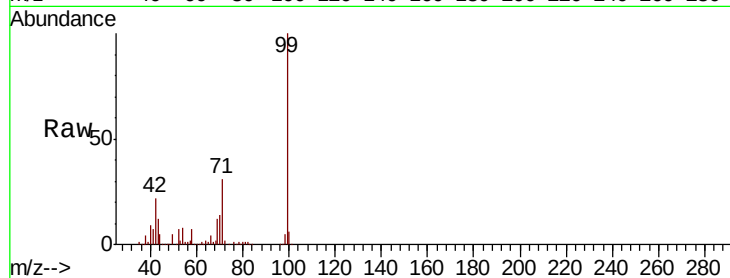
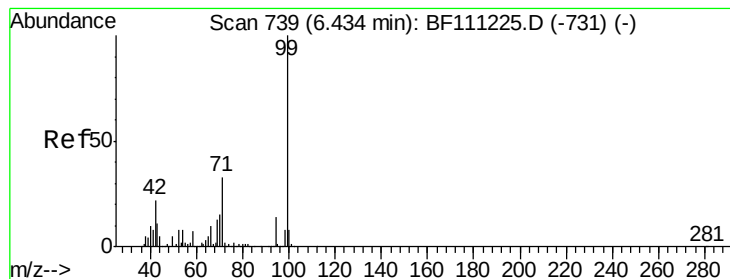
Abundance

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: 21.954 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.02 min

Lab File: BF111301.D

Acq: 12 Dec 2018 2:54

Instrument :

BNA_F

ClientSampleId :

CL-01-121018-E

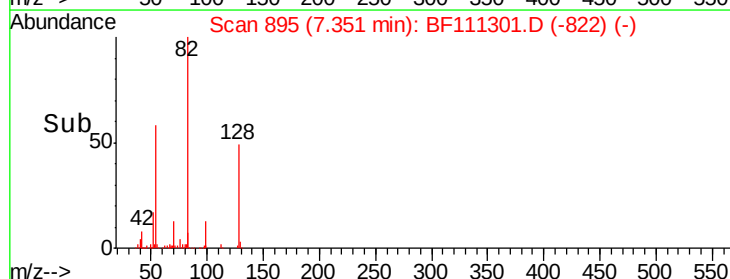
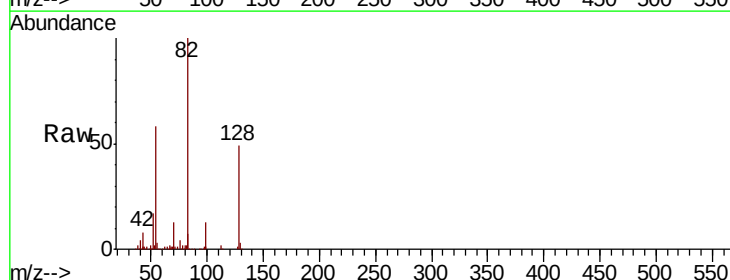
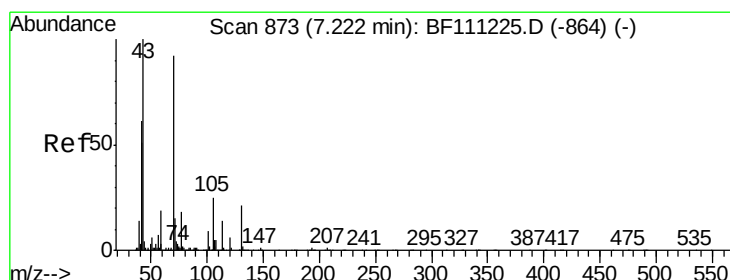
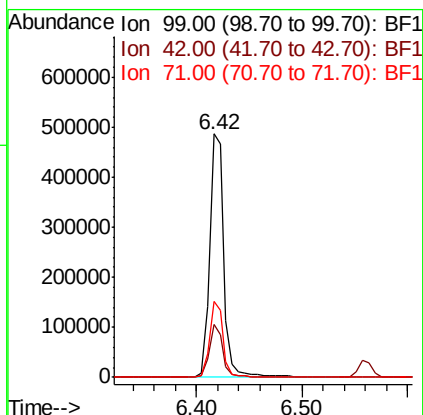
Tgt Ion: 99 Resp: 458069

Ion Ratio Lower Upper

99 100

42 21.5 17.4 26.0

71 31.2 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 2.420 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.13 min

Lab File: BF111301.D

Acq: 12 Dec 2018 2:54

Tgt Ion: 70 Resp: 33832

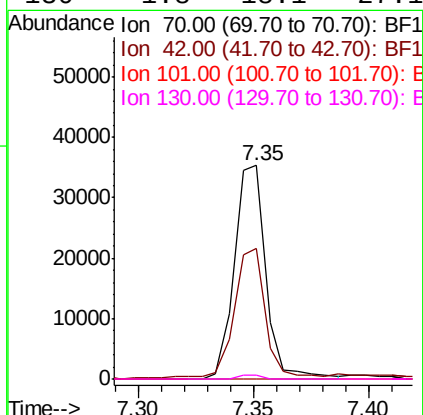
Ion Ratio Lower Upper

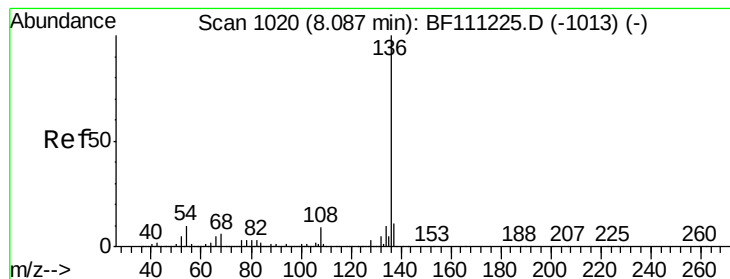
70 100

42 61.3 53.2 79.8

101 0.0 8.2 12.4#

130 1.8 18.1 27.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111301.D

Acq: 12 Dec 2018 2:54

Instrument :

BNA_F

ClientSampleId :

CL-01-121018-E

Tgt Ion: 136 Resp: 1059258

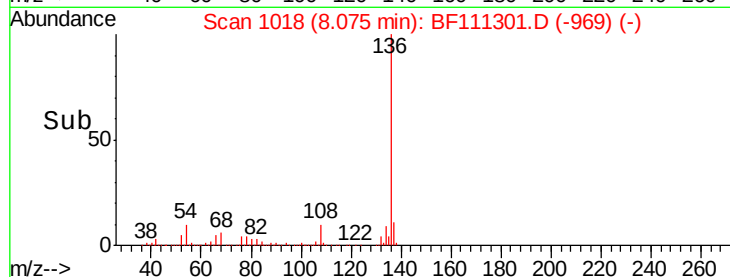
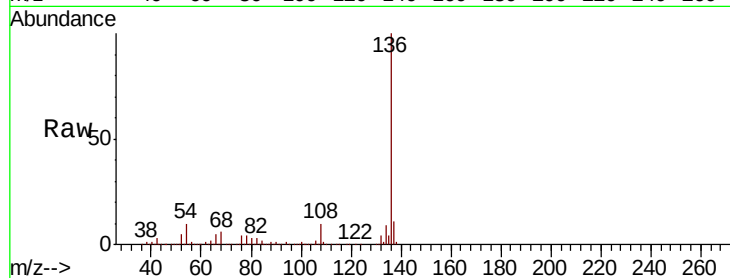
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 10.4 7.7 11.5

68 6.0 4.9 7.3

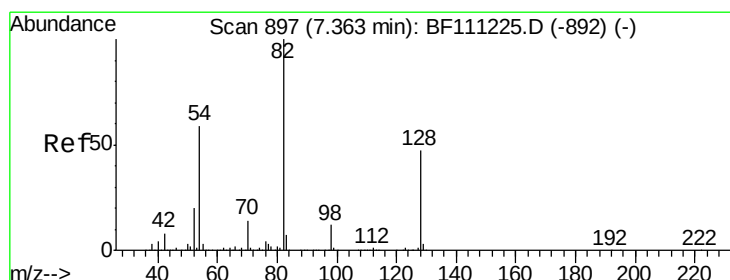
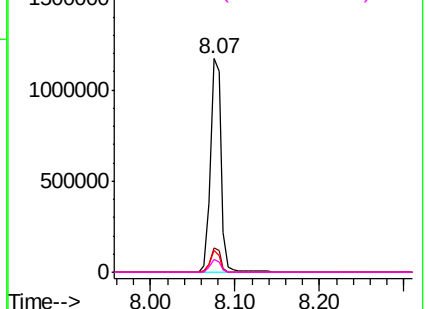


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 13.616 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111301.D

Acq: 12 Dec 2018 2:54

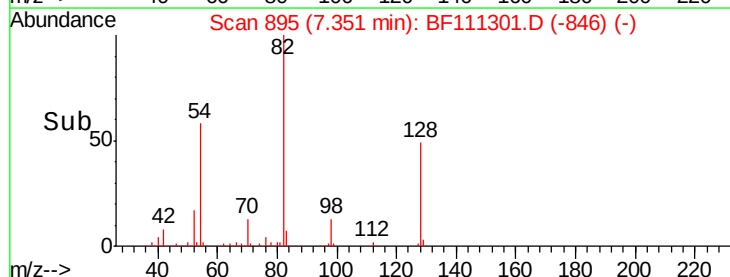
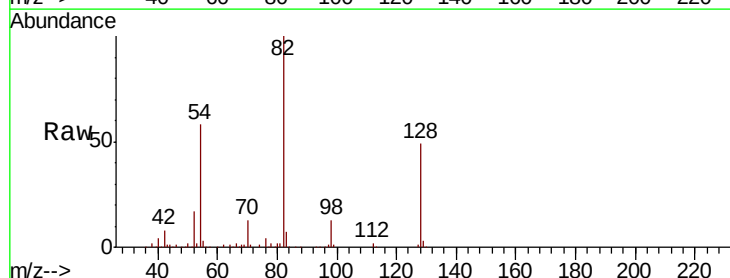
Tgt Ion: 82 Resp: 257137

Ion Ratio Lower Upper

82 100

128 49.3 37.4 56.2

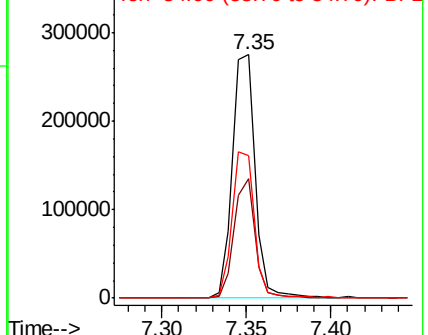
54 58.3 47.6 71.4

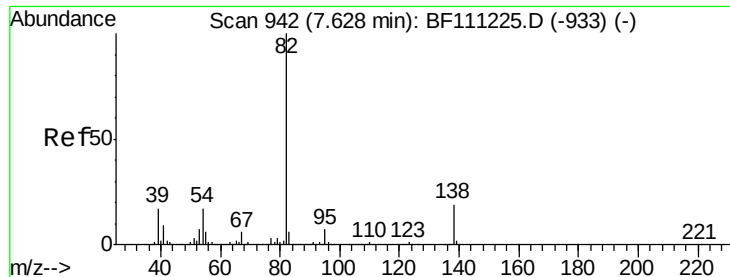


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

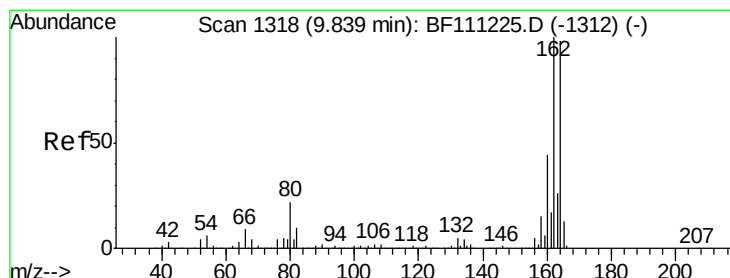
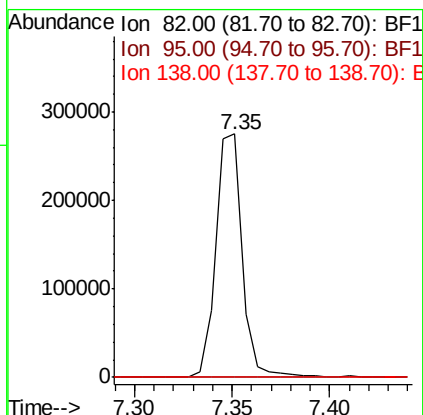
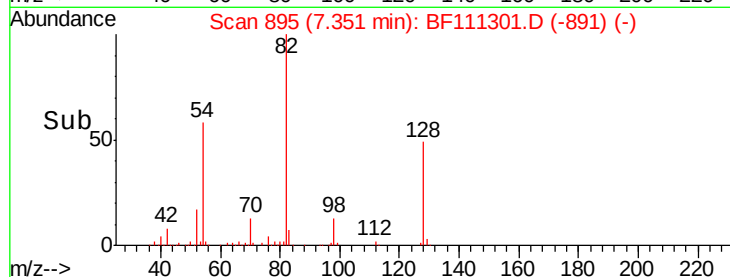
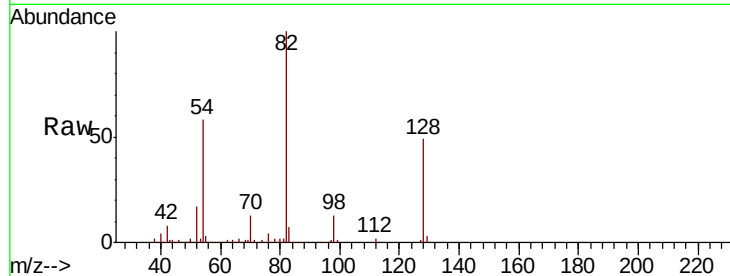




#25
Isophorone
Concen: 7.949 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.28 min
Lab File: BF111301.D
Acq: 12 Dec 2018 2:54

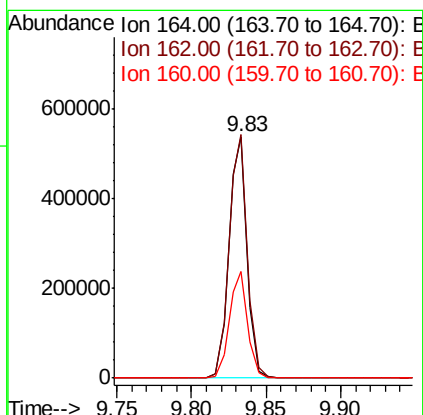
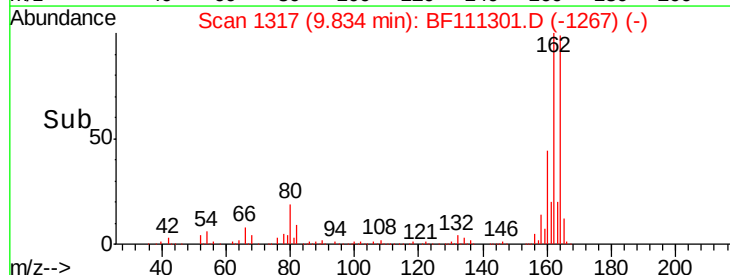
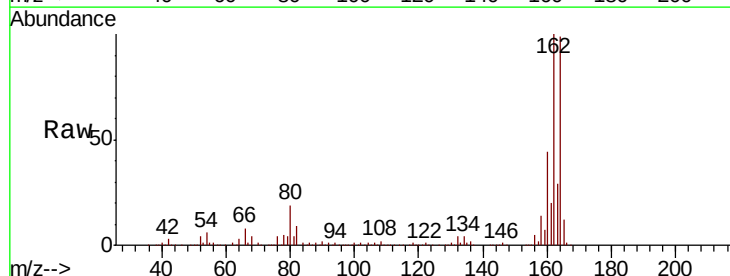
Instrument :
BNA_F
ClientSampleId :
CL-01-121018-E

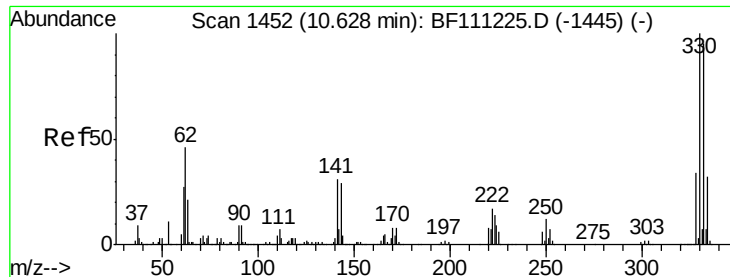
Tgt Ion: 82 Resp: 255676
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF111301.D
Acq: 12 Dec 2018 2:54

Tgt Ion: 164 Resp: 461436
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 44.3 35.7 53.5

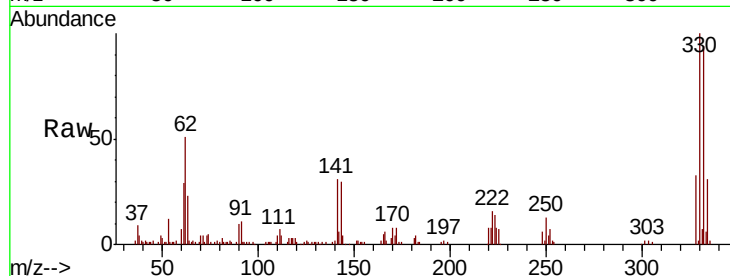




#42
 2,4,6-Tribromophenol
 Concen: 18.590 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111301.D
 Acq: 12 Dec 2018 2:54

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-E

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.9	76.0	114.0
141	39.8	31.0	46.6

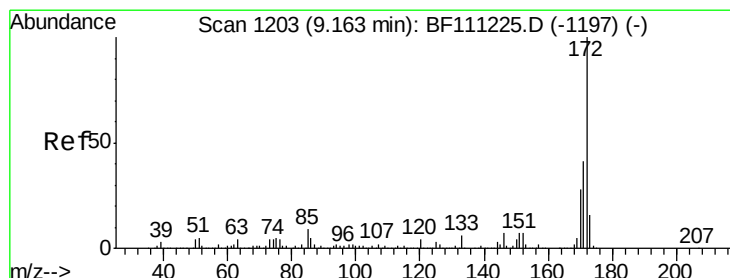
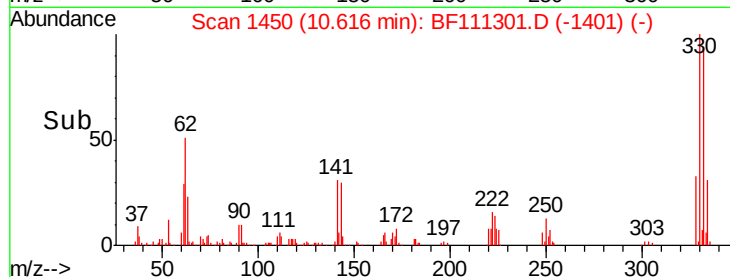
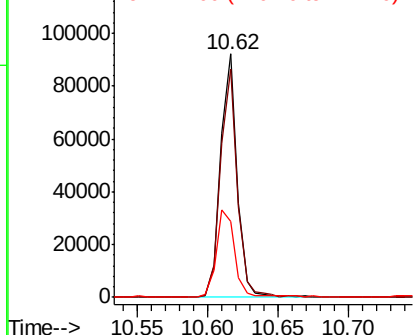


Abundance

Ion 329.80 (329.50 to 330.50): E

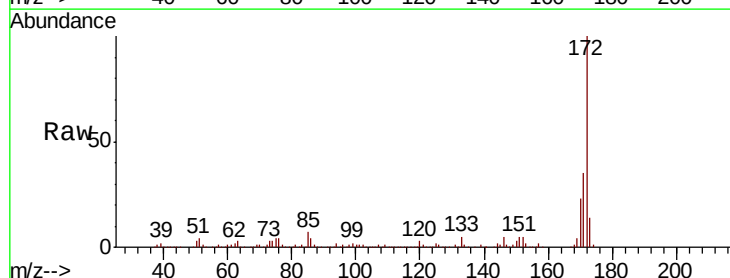
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 11.547 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111301.D
 Acq: 12 Dec 2018 2:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	33.0	49.4
170	23.0	22.3	33.5

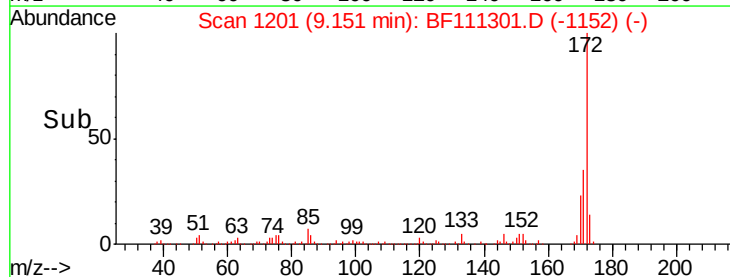
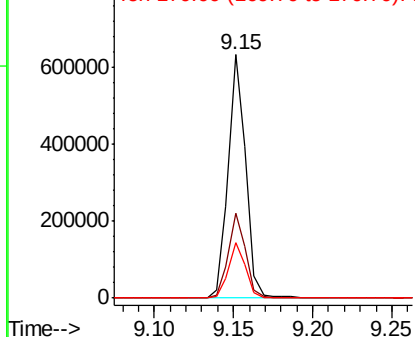


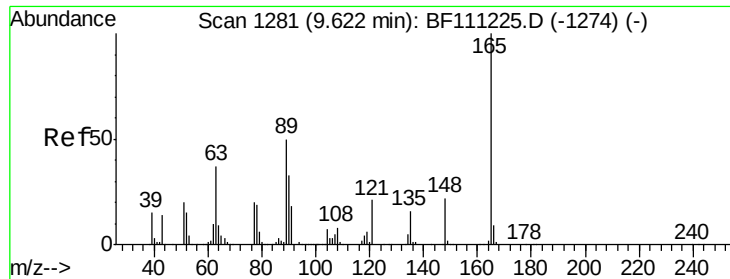
Abundance

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

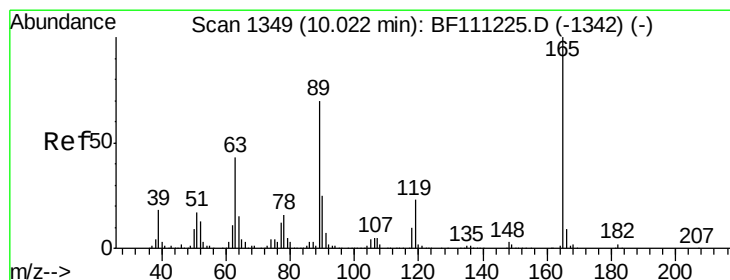
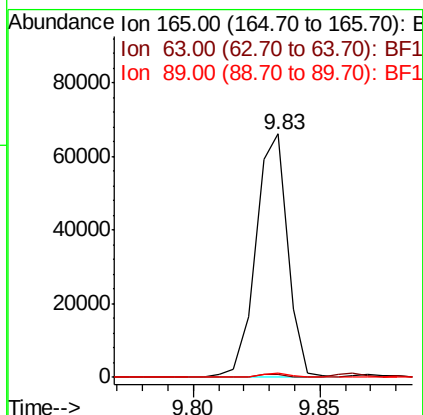
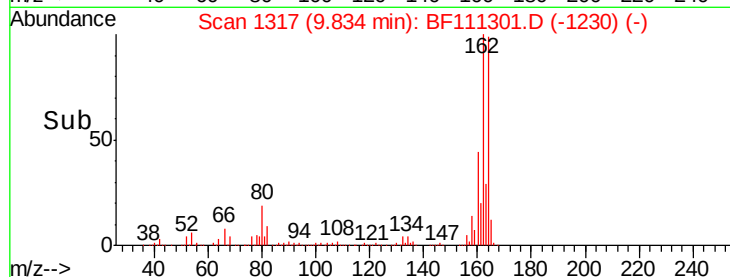
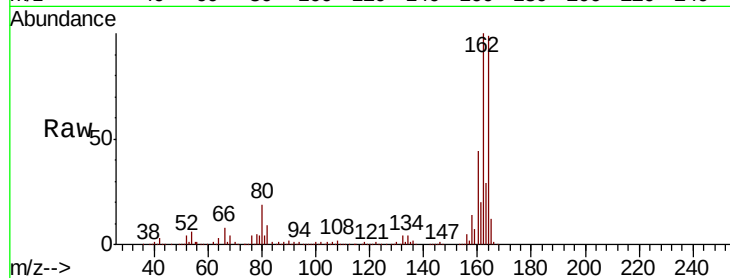




#51
 2,6-Dinitrotoluene
 Concen: 7.760 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.21 min
 Lab File: BF111301.D
 Acq: 12 Dec 2018 2:54

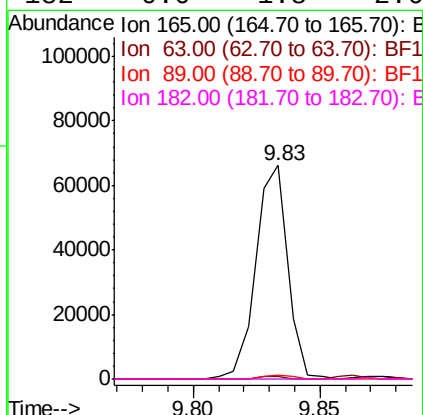
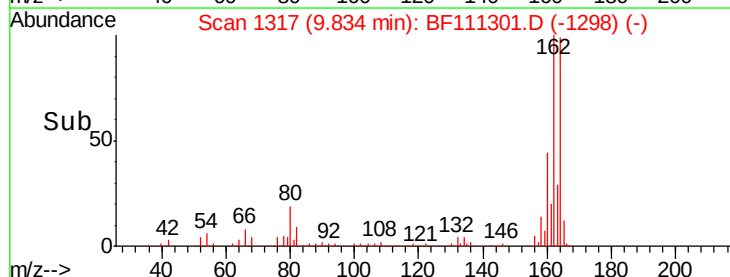
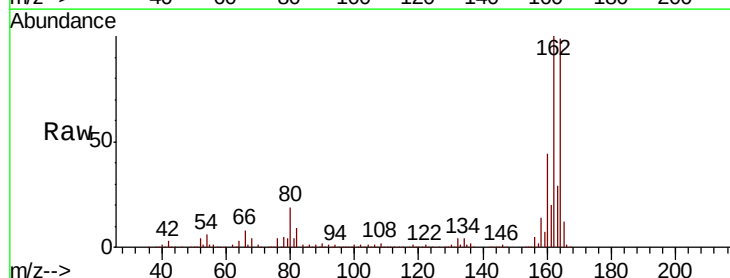
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-E

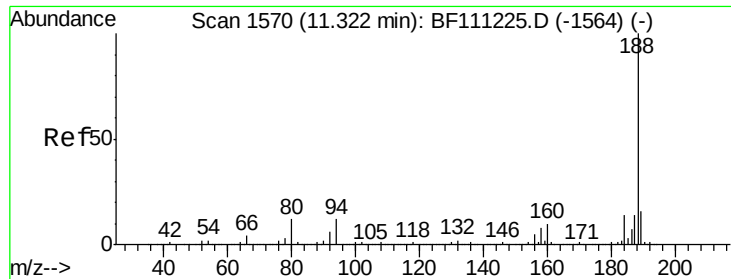
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.5	60.7#
89	1.5	40.0	60.0#



#57
 2,4-Dinitrotoluene
 Concen: 6.295 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.19 min
 Lab File: BF111301.D
 Acq: 12 Dec 2018 2:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.6	52.0#
89	1.5	56.2	84.4#
182	0.0	1.8	2.6#

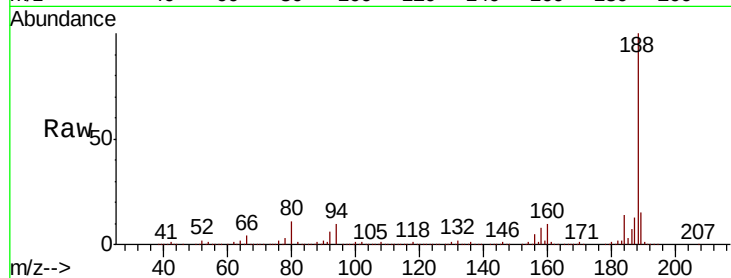




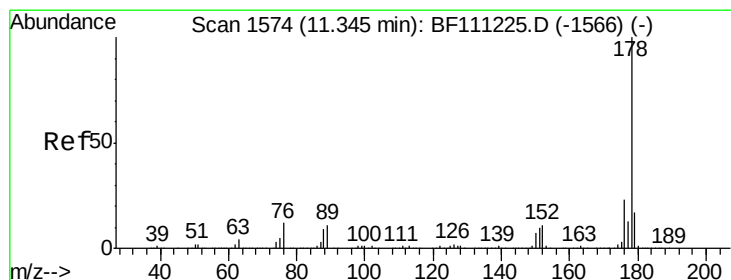
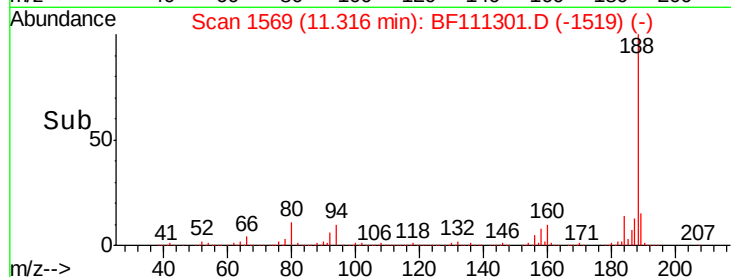
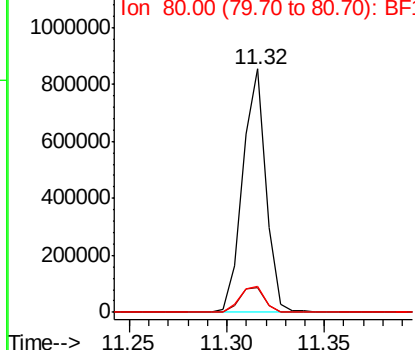
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF111301.D
Acq: 12 Dec 2018 2:54

Instrument :
BNA_F
ClientSampleId :
CL-01-121018-E

Tgt Ion:188 Resp: 706082
Ion Ratio Lower Upper
188 100
94 10.1 9.6 14.4
80 10.9 9.8 14.6

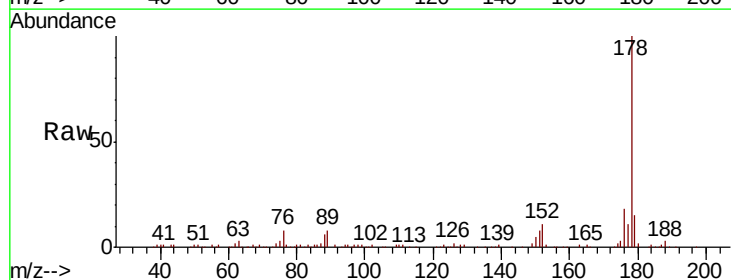


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

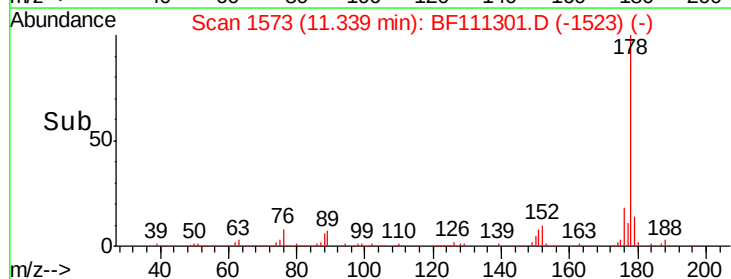
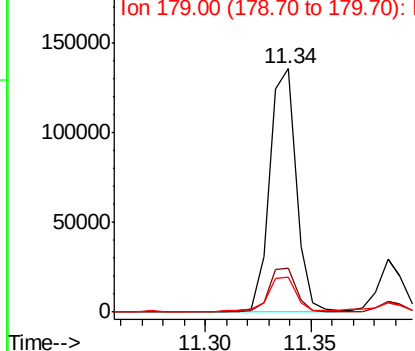


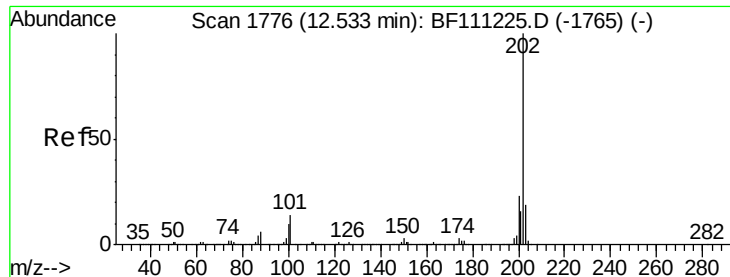
#71
Phenanthrene
Concen: 3.361 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF111301.D
Acq: 12 Dec 2018 2:54

Tgt Ion:178 Resp: 119692
Ion Ratio Lower Upper
178 100
176 18.2 18.1 27.1
179 14.5 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

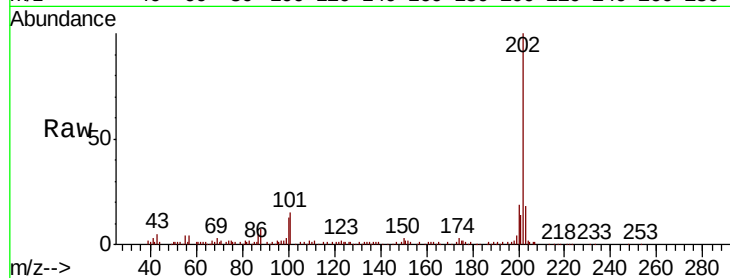




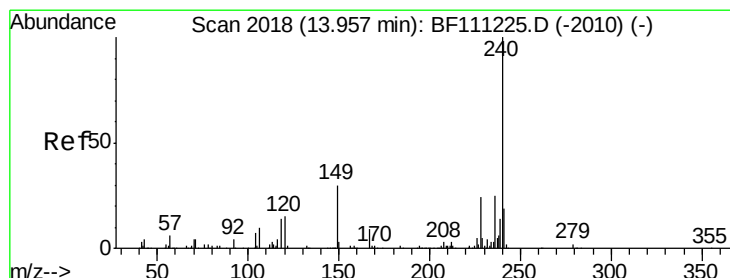
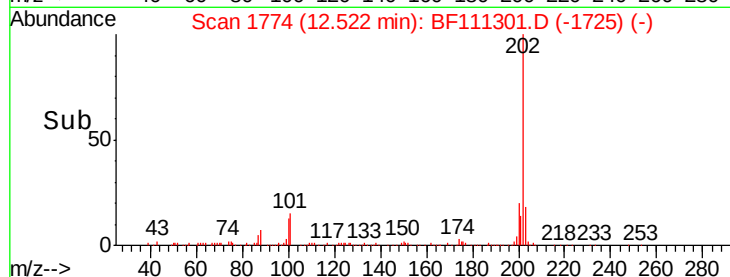
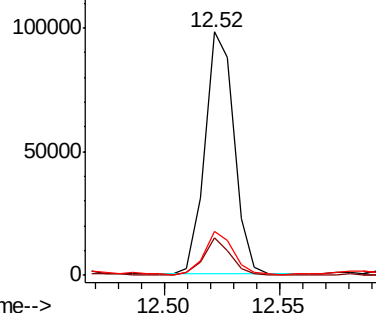
#75
Fluoranthene
Concen: 2.646 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF111301.D
Acq: 12 Dec 2018 2:54

Instrument :
BNA_F
ClientSampleId :
CL-01-121018-E

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	33.8
203	18.0	0.0	38.6

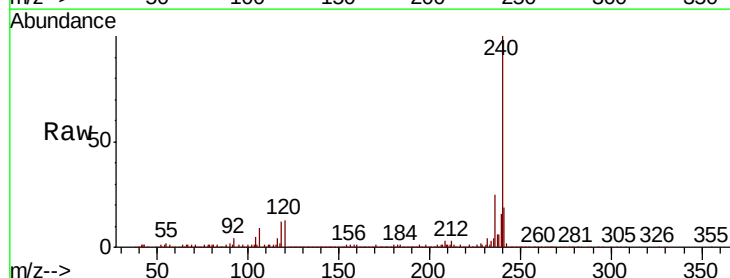


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

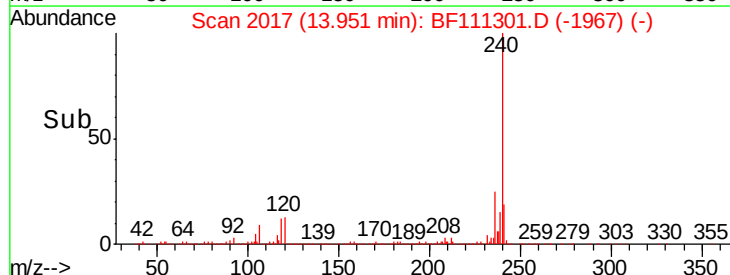
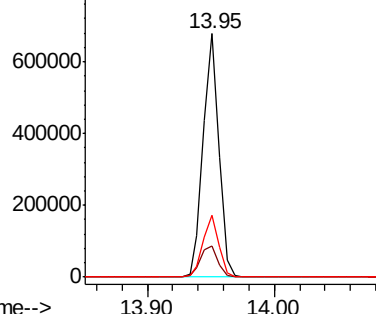


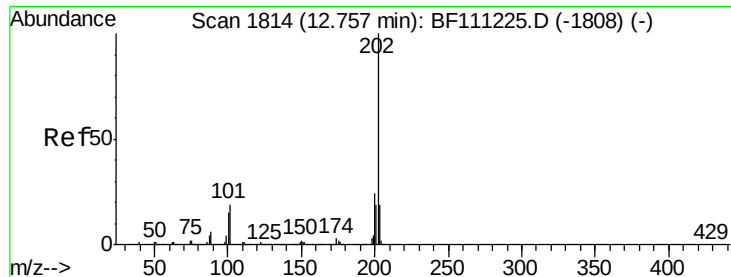
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF111301.D
Acq: 12 Dec 2018 2:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.8	12.2	18.2
236	25.2	20.2	30.2



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

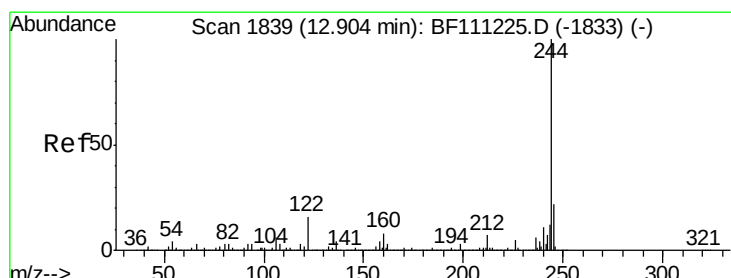
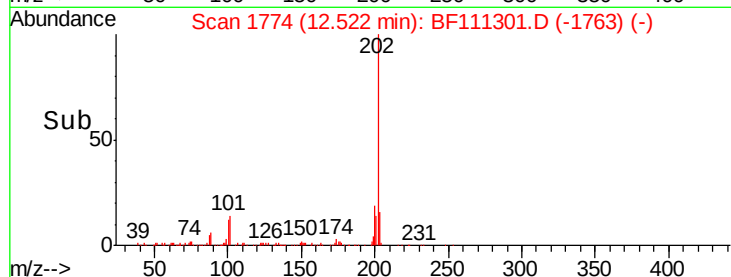
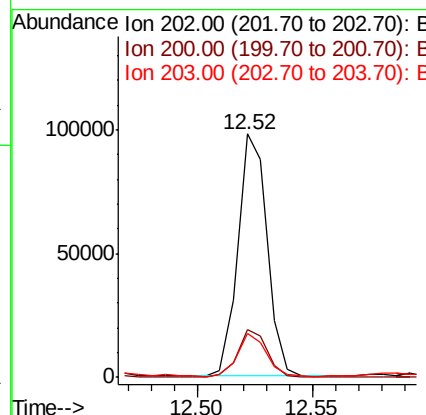
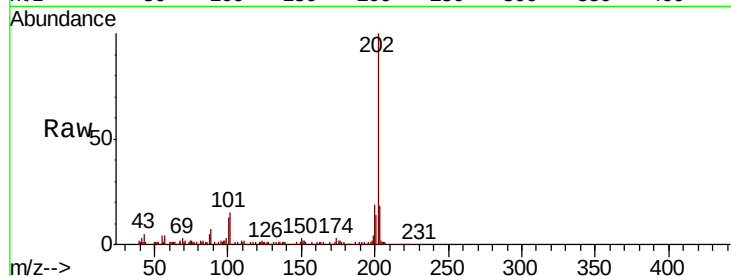




#78
 Pyrene
 Concen: 2.082 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. -0.24 min
 Lab File: BF111301.D
 Acq: 12 Dec 2018 2:54

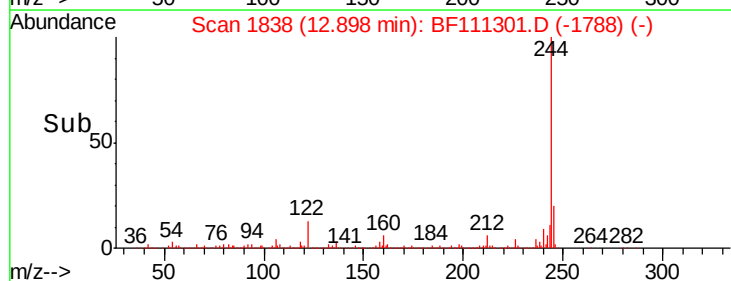
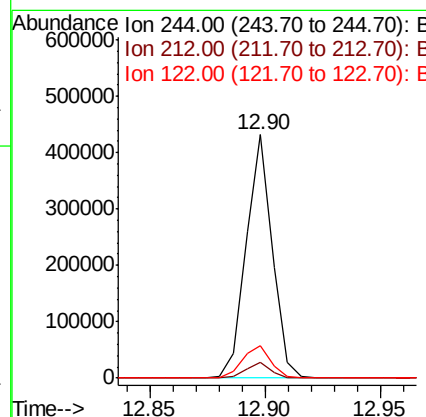
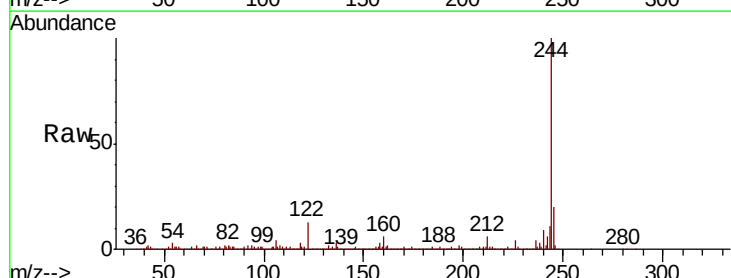
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-E

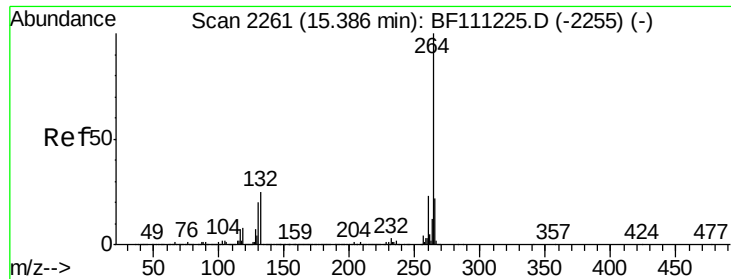
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	19.0	28.4
203	18.0	15.2	22.8



#79
 Terphenyl-d14
 Concen: 14.221 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF111301.D
 Acq: 12 Dec 2018 2:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.7	8.5
122	13.1	13.1	19.7

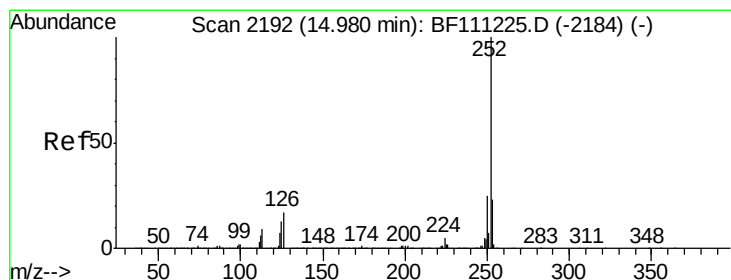
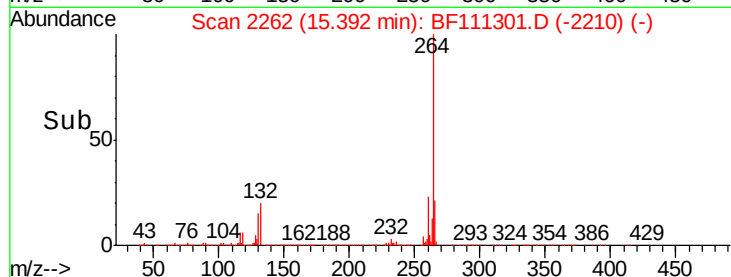
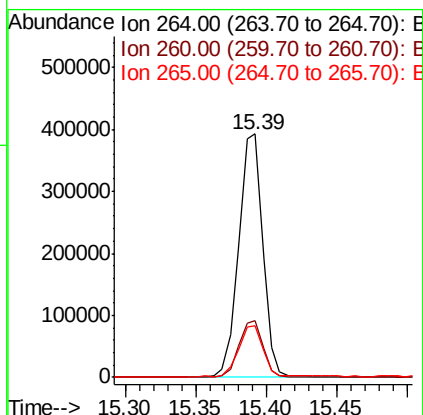
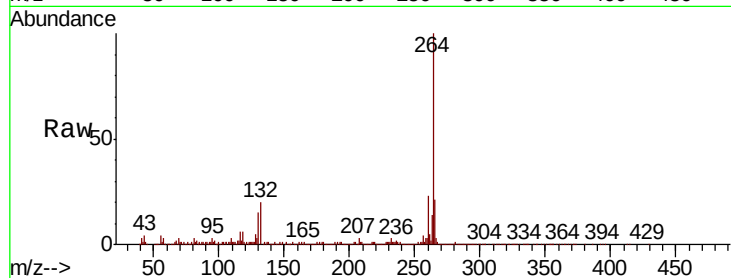




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111301.D
Acq: 12 Dec 2018 2:54

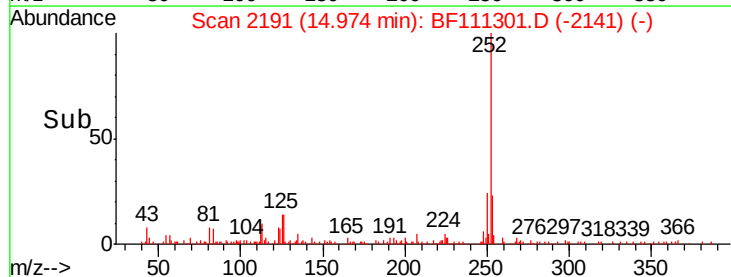
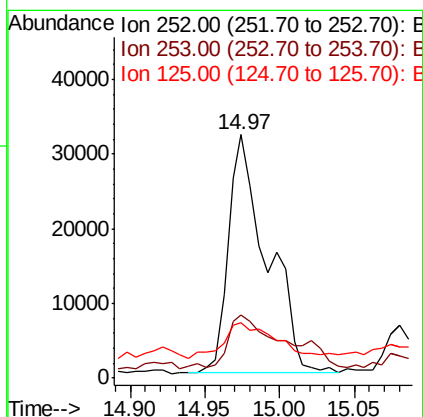
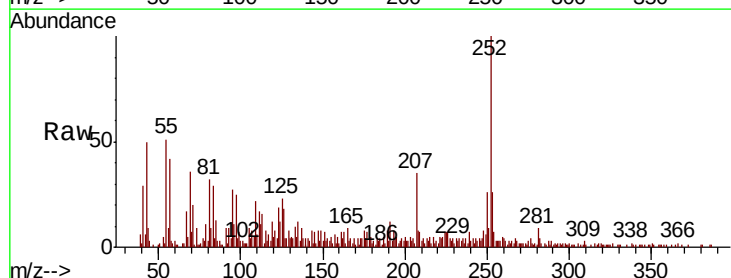
Instrument :
BNA_F
ClientSampleId :
CL-01-121018-E

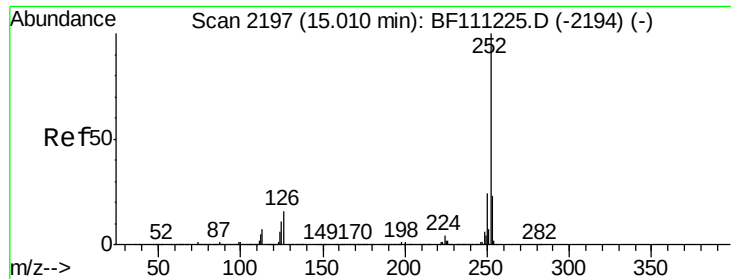
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.3	27.5
265	21.3	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 2.246 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF111301.D
Acq: 12 Dec 2018 2:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.2	27.2
125	22.9	10.4	15.6





#89
 Benzo(k)fluoranthene
 Concen: 2.389 ng
 RT: 14.97 min Scan# 2191
 Delta R.T. -0.04 min
 Lab File: BF111301.D
 Acq: 12 Dec 2018 2:54

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-121018-E

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.1	27.1
125	22.9	9.8	14.8

