

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011819\
 Data File : BF112148.D
 Acq On : 19 Jan 2019 2:02
 Operator : JU/SJ
 Sample : K1015-09 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-011719-A

Quant Time: Jan 19 03:48:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	246124	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	940736	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	406251	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	676515	20.00	ng	0.00
76) Chrysene-d12	14.02	240	568495	20.00	ng	0.00
87) Perylene-d12	15.50	264	442067	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	282738	20.85	ng	-0.01
7) Phenol-d6	6.49	99	363246	21.41	ng	-0.01
23) Nitrobenzene-d5	7.41	82	204081	14.99	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	70613	16.11	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	432963	15.63	ng	0.00
79) Terphenyl-d14	12.96	244	368843	13.80	ng	-0.01

Target Compounds

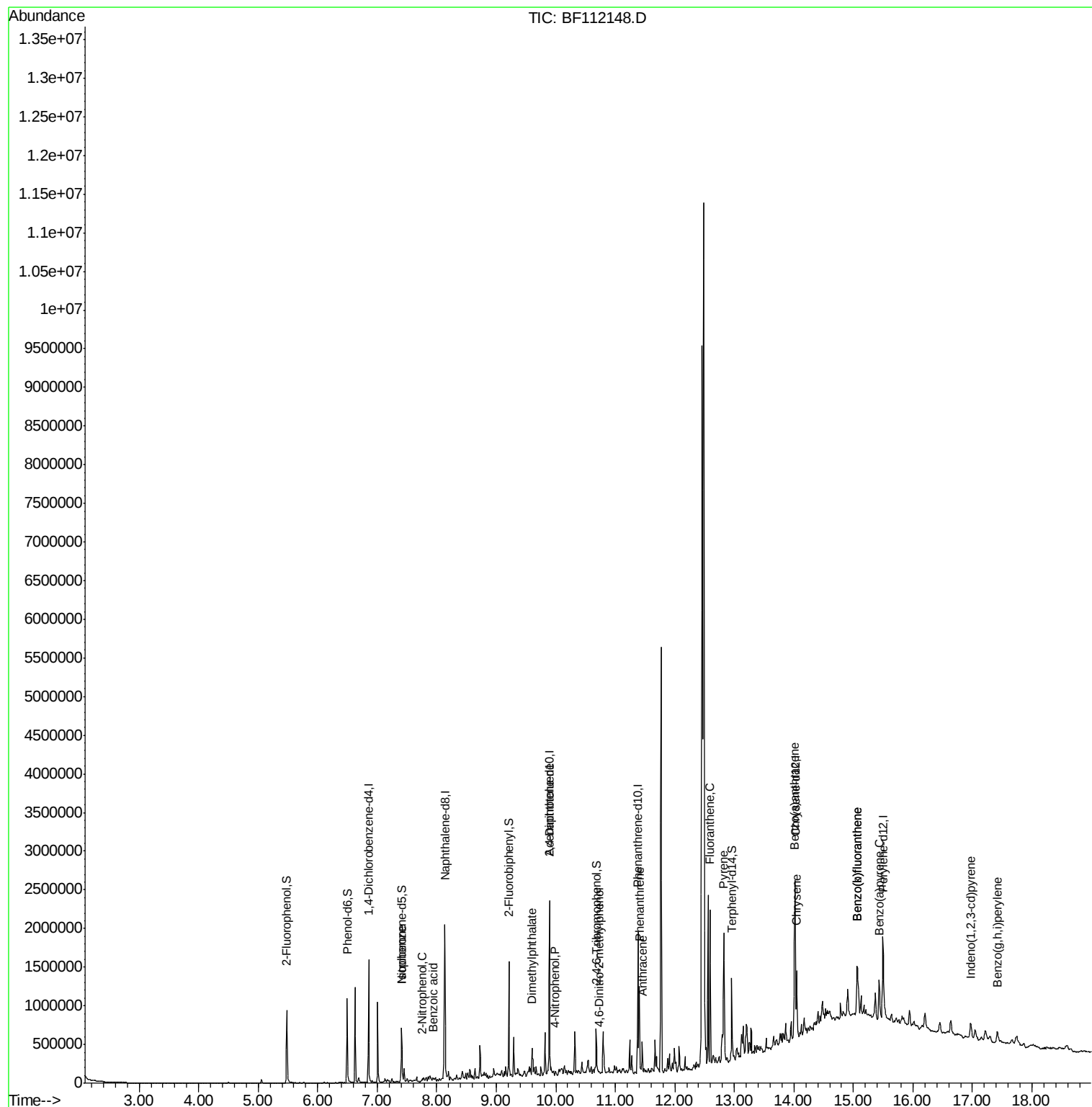
					Qvalue	
9) Benzaldehyde	6.39	77	376	Below Cal	#	1
25) Isophorone	7.41	82	199607	7.590 ng	#	64
26) 2-Nitrophenol	7.75	139	122	5.695 ng	#	1
32) Benzoic acid	7.93	122	107	7.189 ng	#	1
50) Dimethylphthalate	9.60	163	111628	3.768 ng		98
56) 4-Nitrophenol	9.99	139	1090	5.869 ng	#	1
57) 2,4-Dinitrotoluene	9.89	165	54130	11.028 ng	#	31
65) 4,6-Dinitro-2-methylphenol	10.72	198	233	10.135 ng	#	1
71) Phenanthrene	11.40	178	423922	12.451 ng		96
72) Anthracene	11.45	178	171066	4.960 ng		97
75) Fluoranthene	12.59	202	751423	20.904 ng		100
78) Pyrene	12.82	202	670250	17.870 ng		99
81) Benzo(a)anthracene	14.01	228	368472	11.304 ng		99
83) Chrysene	14.04	228	309014	10.019 ng		97
86) Indeno(1,2,3-cd)pyrene	16.97	276	121163	4.258 ng		93
88) Benzo(b)fluoranthene	15.06	252	469784	18.721 ng	#	97
89) Benzo(k)fluoranthene	15.06	252	469784	19.343 ng		97
90) Benzo(a)pyrene	15.43	252	236727	10.287 ng		96
92) Benzo(g,h,i)perylene	17.42	276	111717	5.548 ng		98

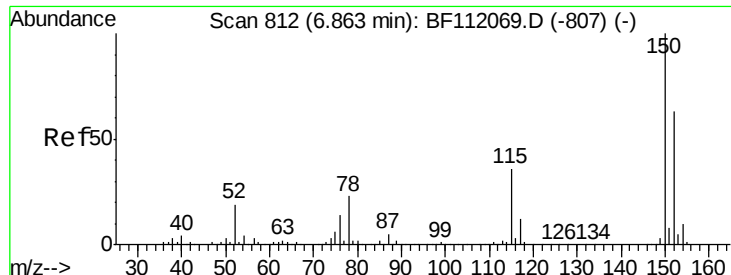
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011819\
Data File : BF112148.D
Acq On : 19 Jan 2019 2:02
Operator : JU/SJ
Sample : K1015-09 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-011719-A

Quant Time: Jan 19 03:48:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 19 01:02:12 2019
Response via : Initial Calibration



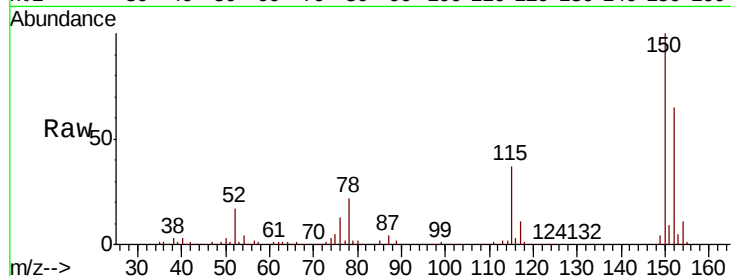


#1

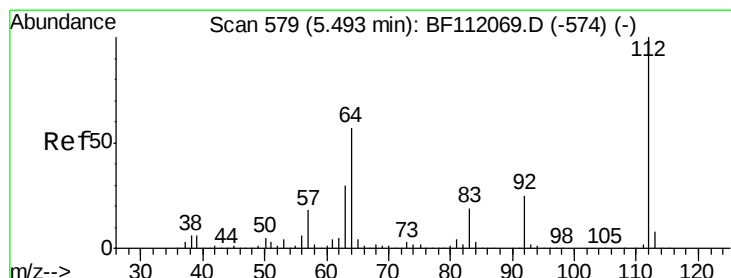
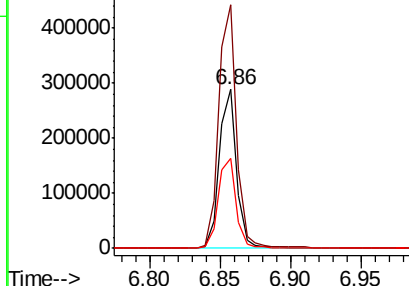
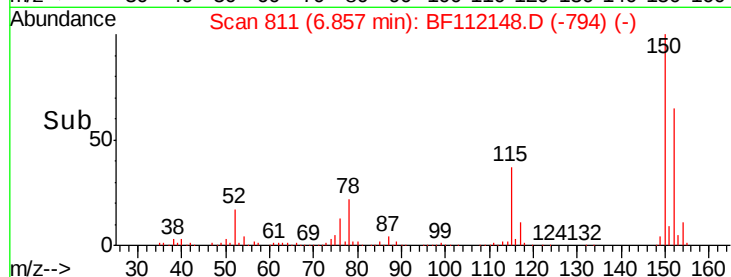
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF112148.D
 Acq: 19 Jan 2019 2:02

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-011719-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.3	127.4	191.0
115	56.7	45.5	68.3



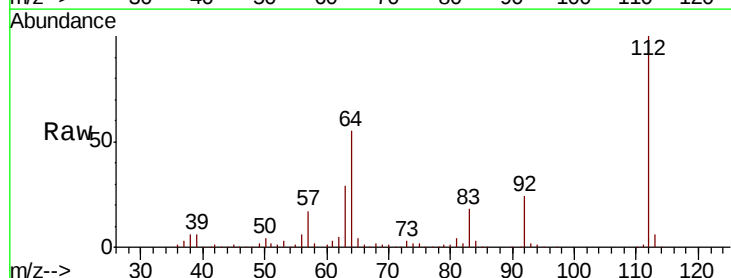
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



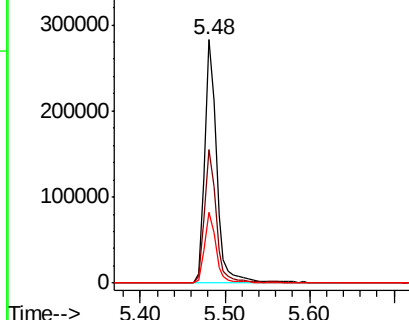
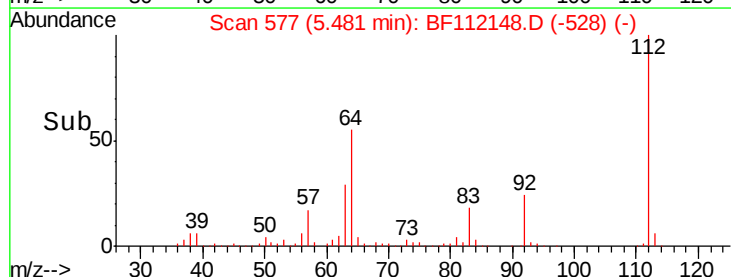
#5

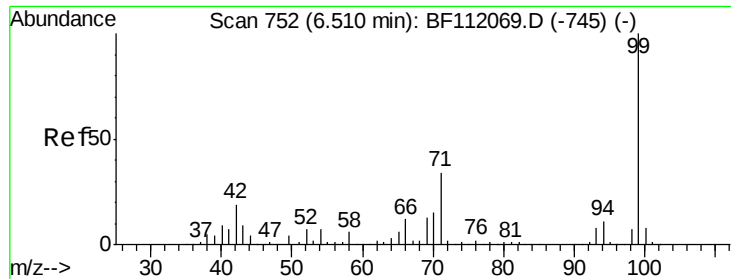
2-Fluorophenol
 Concen: 20.850 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: BF112148.D
 Acq: 19 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	45.7	68.5
63	29.0	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: 21.410 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112148.D

Acq: 19 Jan 2019 2:02

Instrument :

BNA_F

ClientSampleId :

SU-01-011719-A

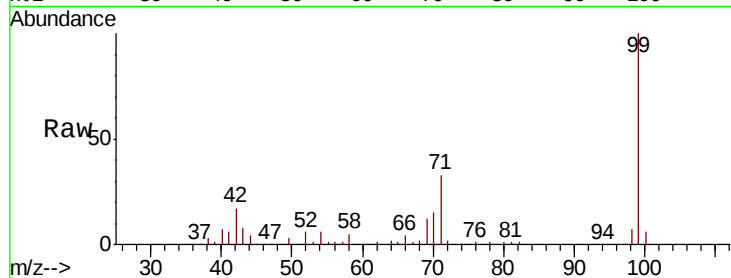
Tgt Ion: 99 Resp: 363246

Ion Ratio Lower Upper

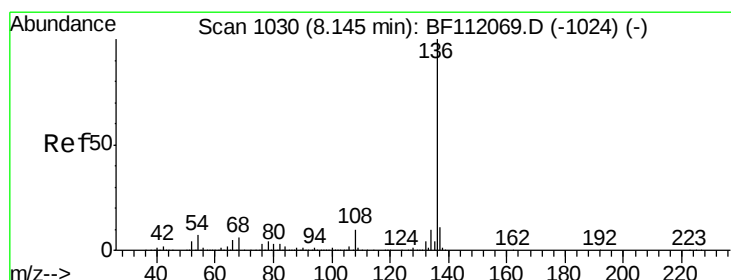
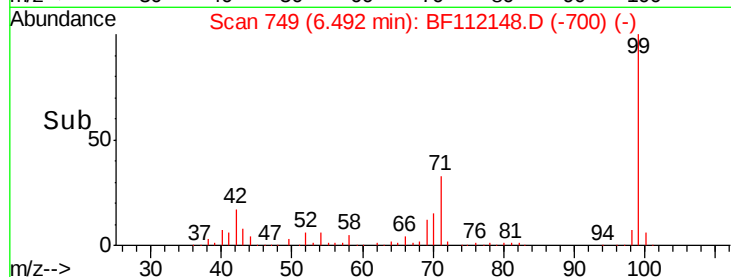
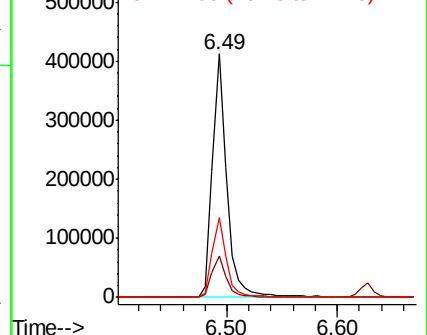
99 100

42 16.8 15.1 22.7

71 32.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF112148.D

Acq: 19 Jan 2019 2:02

Tgt Ion: 136 Resp: 940736

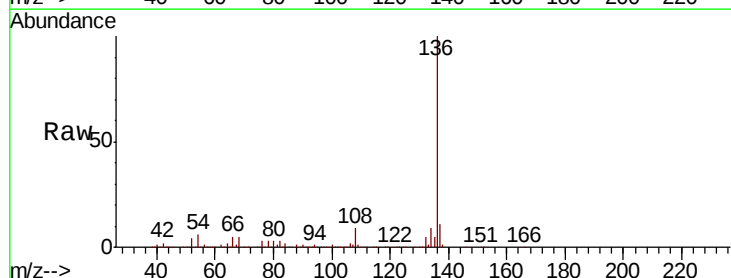
Ion Ratio Lower Upper

136 100

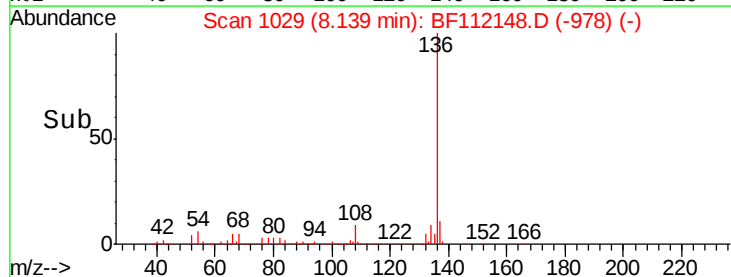
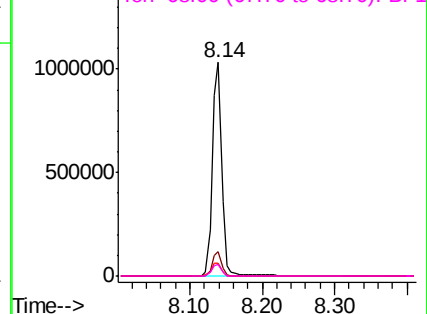
137 11.2 9.1 13.7

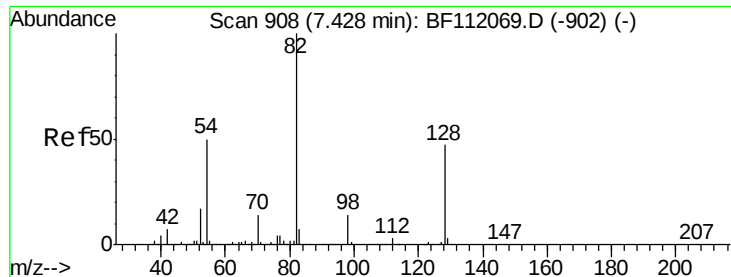
54 6.2 5.9 8.9

68 5.1 5.1 7.7#



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

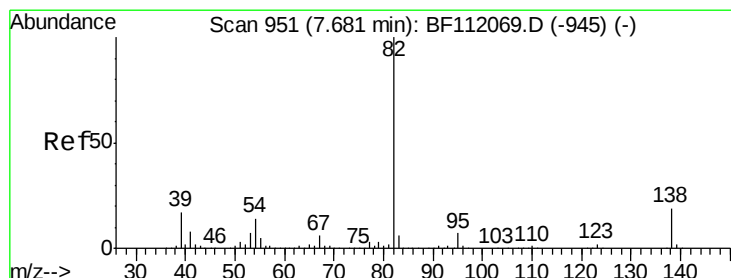
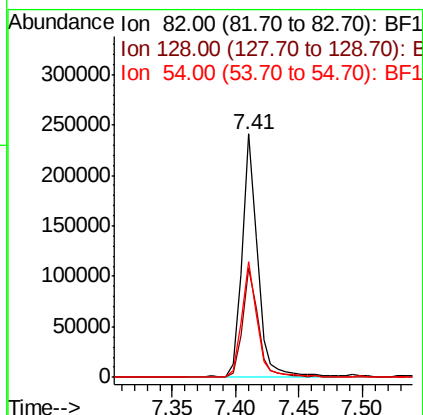
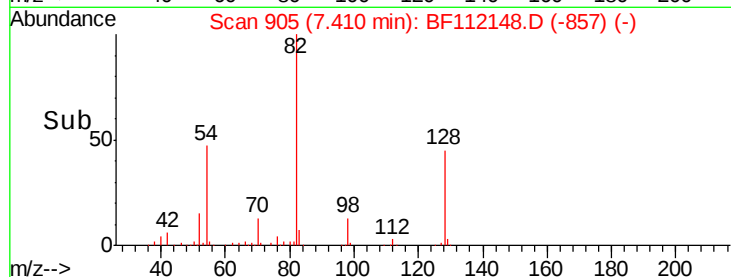
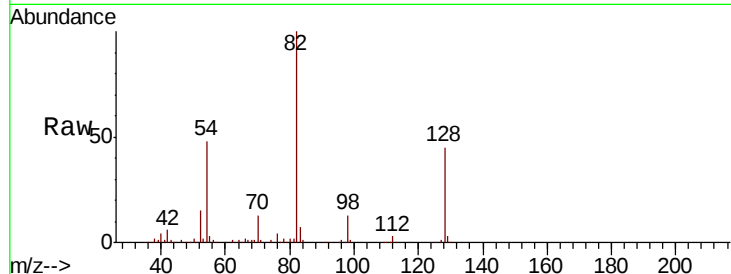




#23
 Nitrobenzene-d5
 Concen: 14.988 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: BF112148.D
 Acq: 19 Jan 2019 2:02

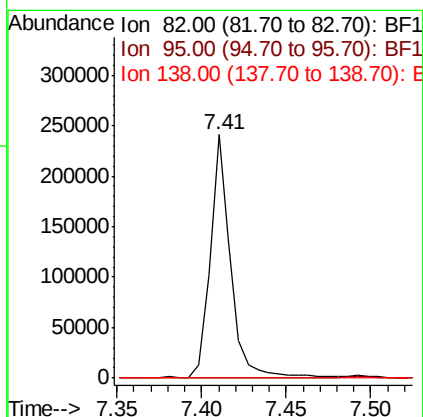
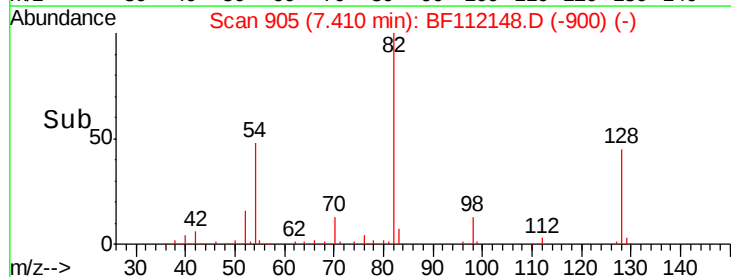
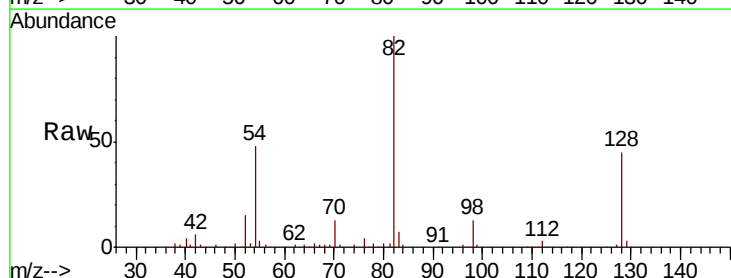
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-011719-A

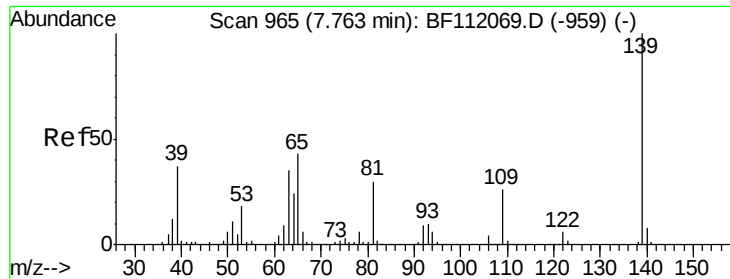
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.9	37.8	56.8
54	47.5	39.7	59.5



#25
 Isophorone
 Concen: 7.590 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.27 min
 Lab File: BF112148.D
 Acq: 19 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.2	5.7	8.5#
138	0.0	15.4	23.0#

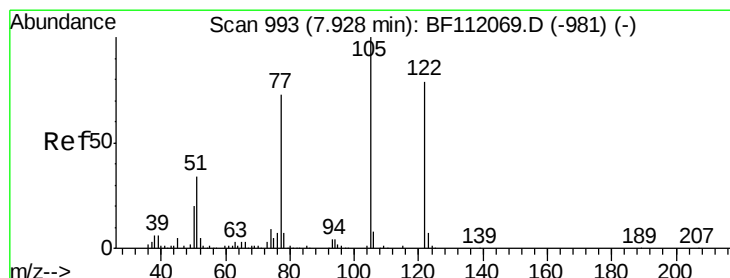
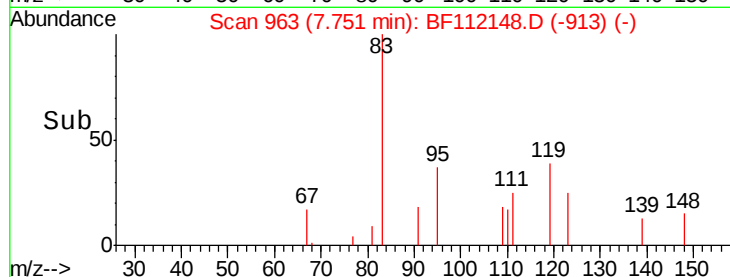
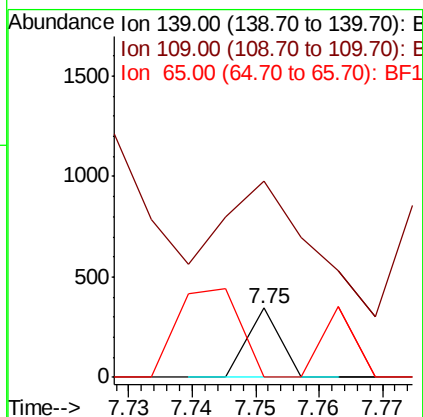
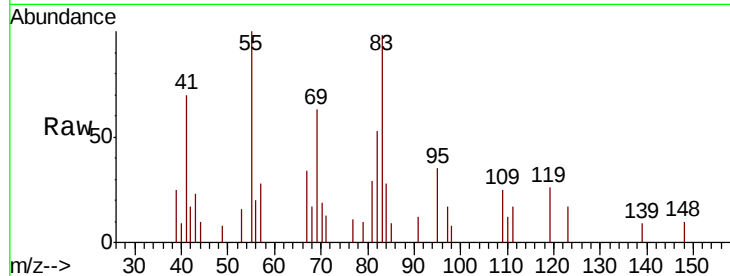




#26
 2-Nitrophenol
 Concen: 5.695 ng
 RT: 7.75 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: BF112148.D
 Acq: 19 Jan 2019 2:02

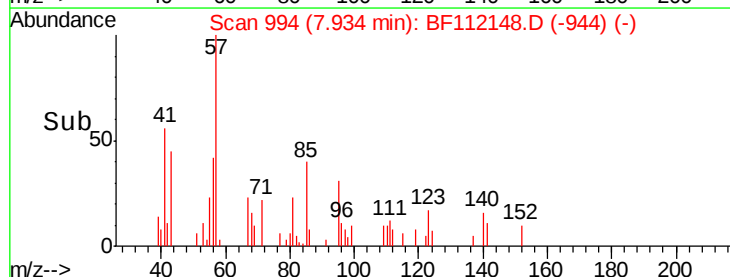
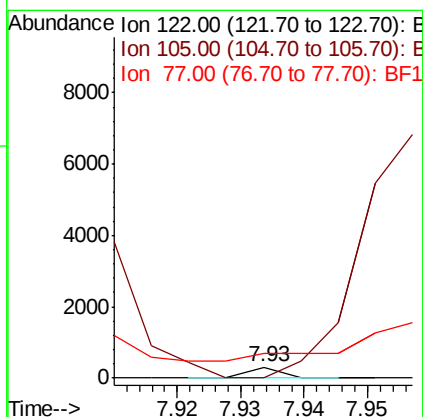
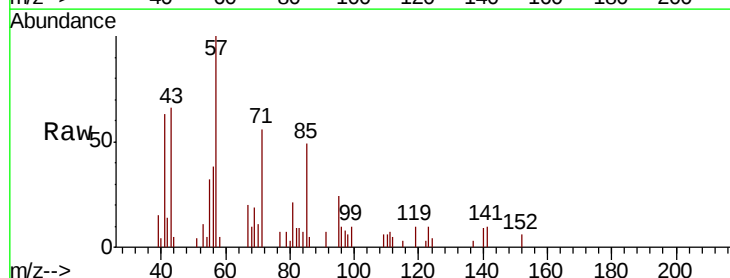
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-011719-A

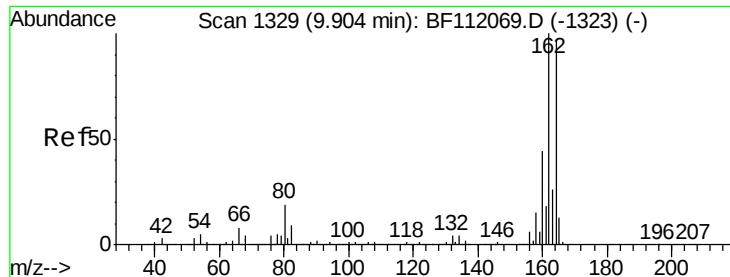
Tgt Ion	Ratio	Lower	Upper
139	100		
109	282.9	20.8	31.2#
65	0.0	34.4	51.6#



#32
 Benzoic acid
 Concen: 7.189 ng
 RT: 7.93 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: BF112148.D
 Acq: 19 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.2	141.2#
77	227.1	70.4	110.4#

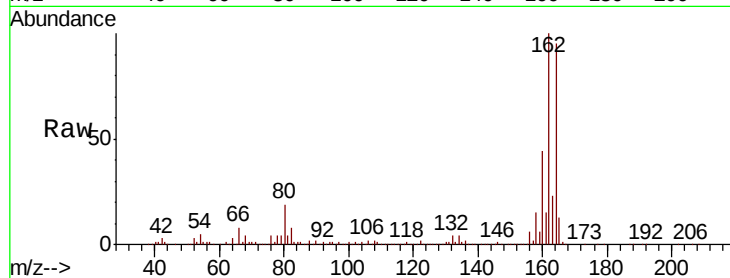




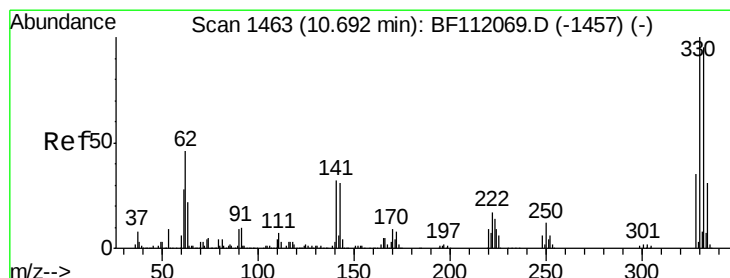
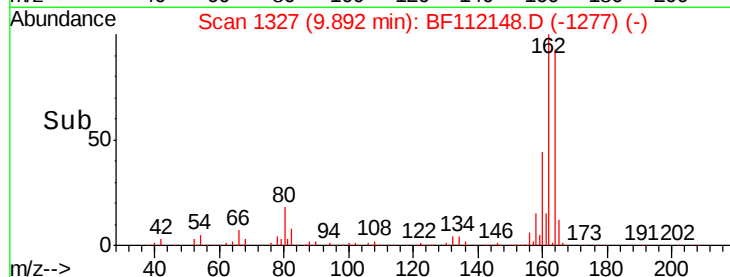
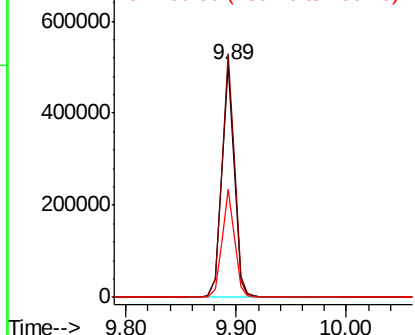
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112148.D
Acq: 19 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
SU-01-011719-A

Tgt Ion:164 Resp: 406251
Ion Ratio Lower Upper
164 100
162 104.8 82.2 123.4
160 46.5 36.2 54.4

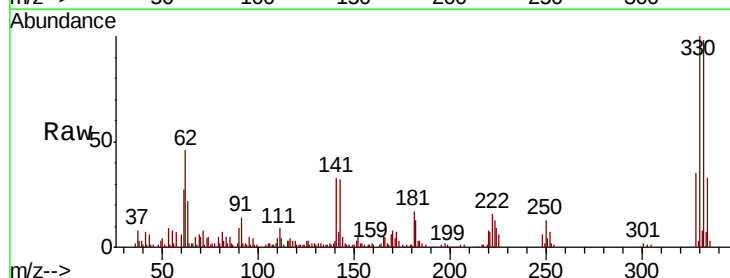


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

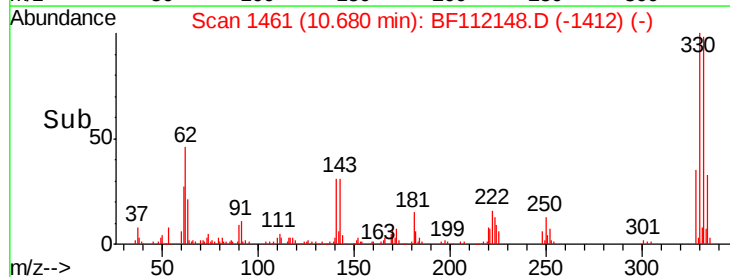
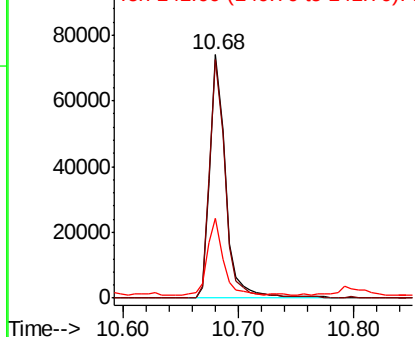


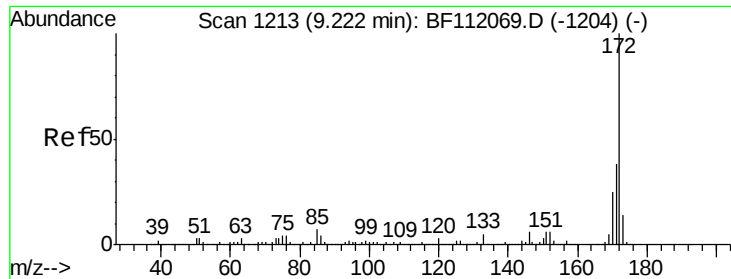
#42
2,4,6-Tribromophenol
Concen: 16.112 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF112148.D
Acq: 19 Jan 2019 2:02

Tgt Ion:330 Resp: 70613
Ion Ratio Lower Upper
330 100
332 98.0 76.6 114.8
141 31.1 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

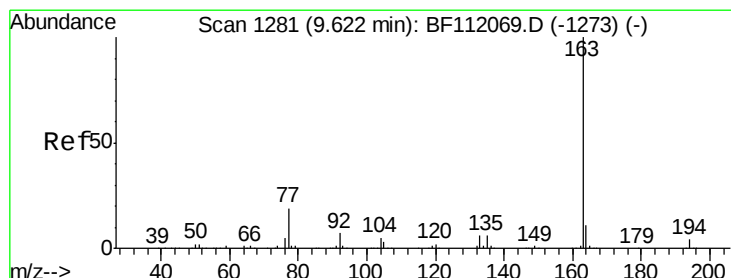
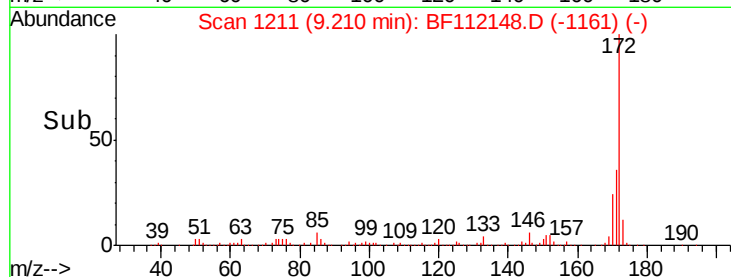
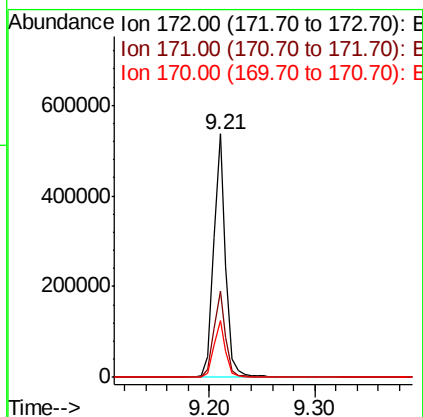
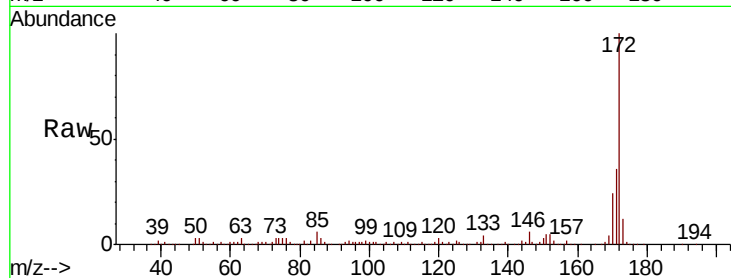




#45
2-Fluorobiphenyl
Concen: 15.625 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF112148.D
Acq: 19 Jan 2019 2:02

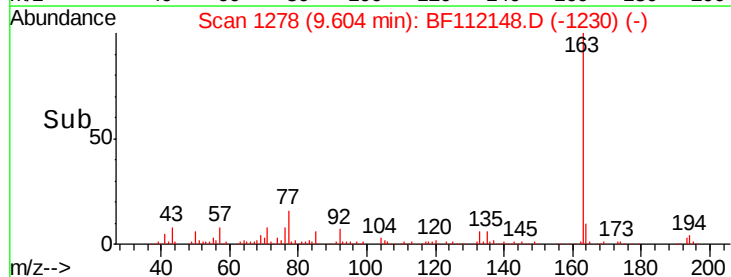
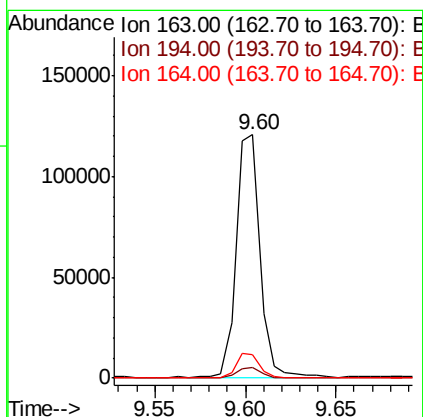
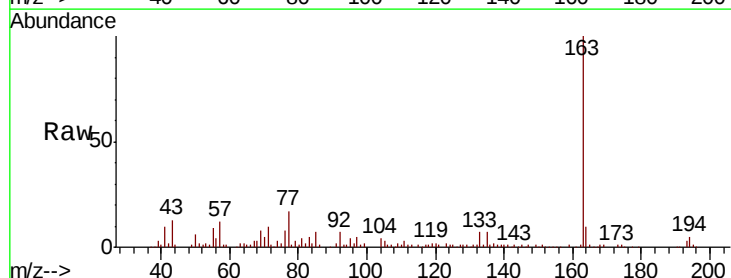
Instrument :
BNA_F
ClientSampleId :
SU-01-011719-A

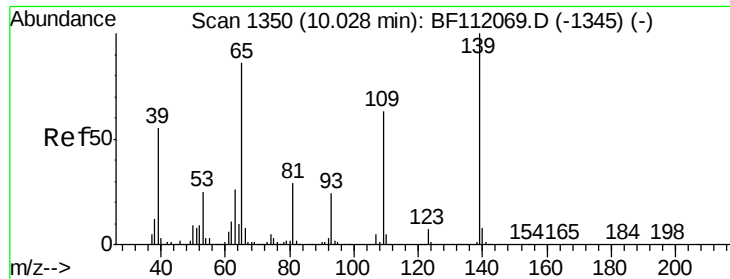
Tgt Ion:172 Resp: 432963
Ion Ratio Lower Upper
172 100
171 35.5 30.5 45.7
170 23.5 20.2 30.4



#50
Dimethylphthalate
Concen: 3.768 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF112148.D
Acq: 19 Jan 2019 2:02

Tgt Ion:163 Resp: 111628
Ion Ratio Lower Upper
163 100
194 4.6 3.3 4.9
164 9.7 8.5 12.7

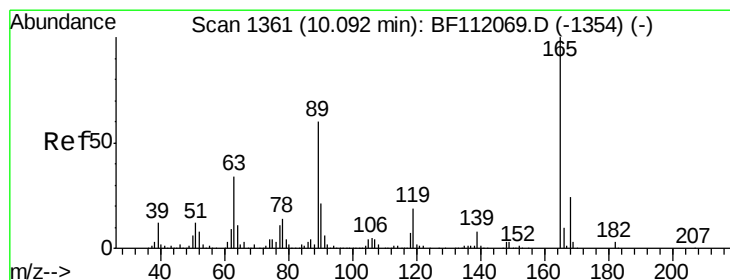
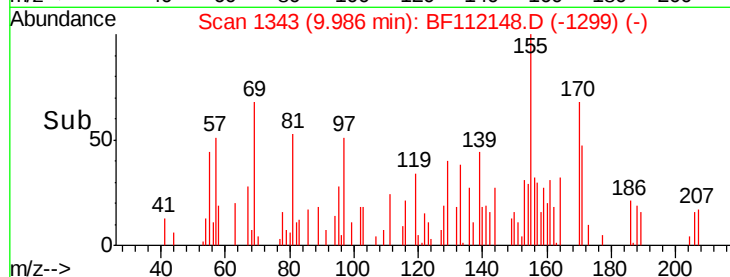
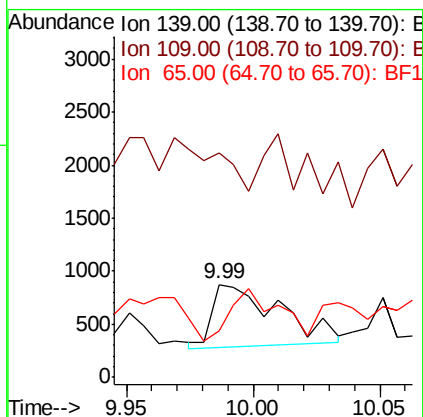
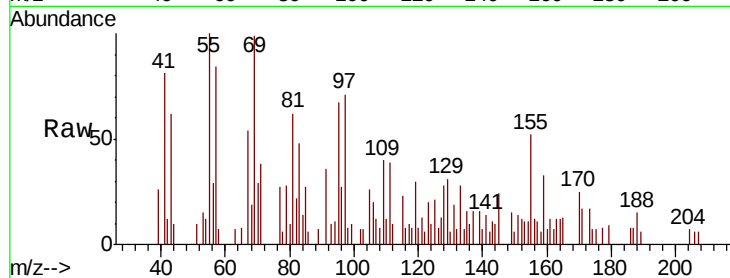




#56
4-Nitrophenol
Concen: 5.869 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.04 min
Lab File: BF112148.D
Acq: 19 Jan 2019 2:02

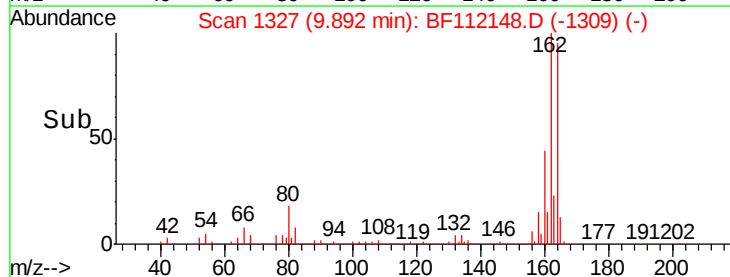
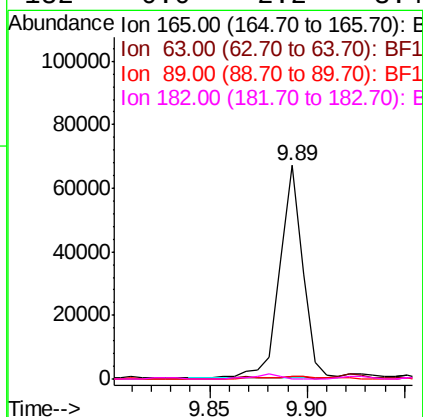
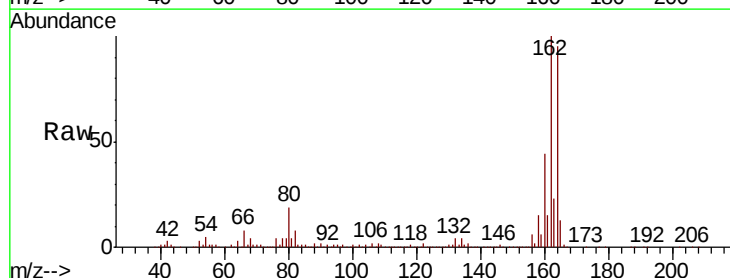
Instrument :
BNA_F
ClientSampleId :
SU-01-011719-A

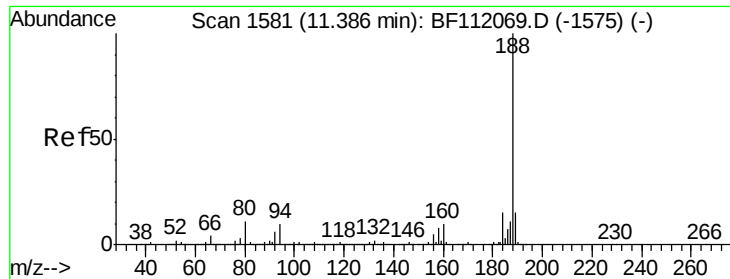
Tgt Ion:139 Resp: 1090
Ion Ratio Lower Upper
139 100
109 241.8 42.8 82.8#
65 50.3 66.1 106.1#



#57
2,4-Dinitrotoluene
Concen: 11.028 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF112148.D
Acq: 19 Jan 2019 2:02

Tgt Ion:165 Resp: 54130
Ion Ratio Lower Upper
165 100
63 1.4 27.9 41.9#
89 1.3 47.9 71.9#
182 0.0 2.2 3.4#

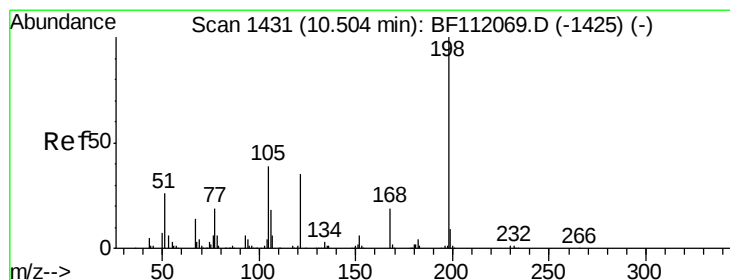
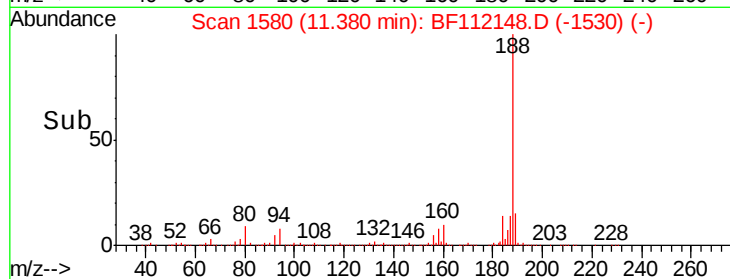
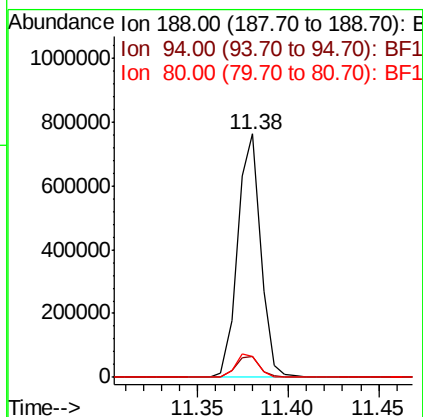
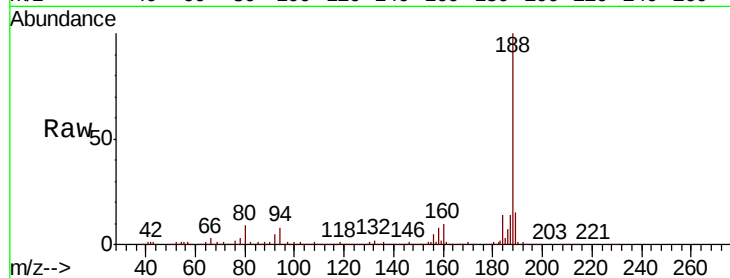




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF112148.D
Acq: 19 Jan 2019 2:02

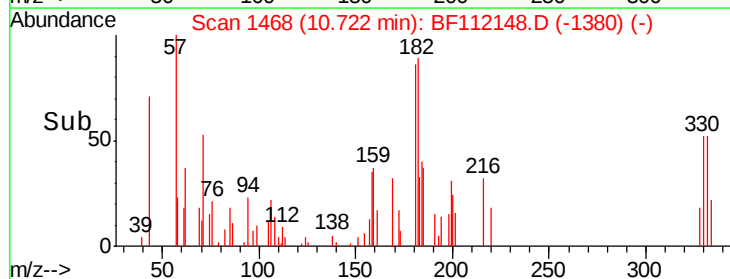
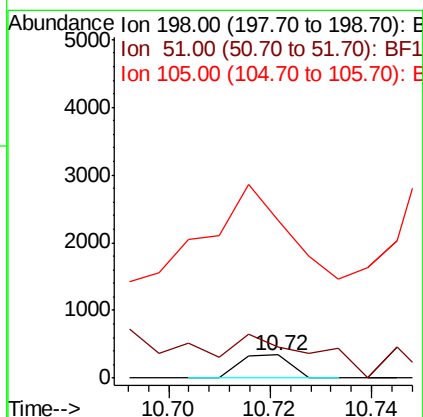
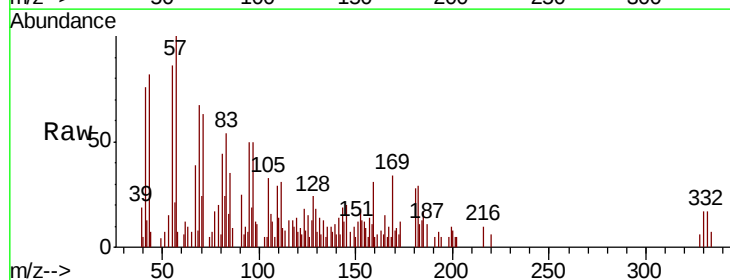
Instrument :
BNA_F
ClientSampleId :
SU-01-011719-A

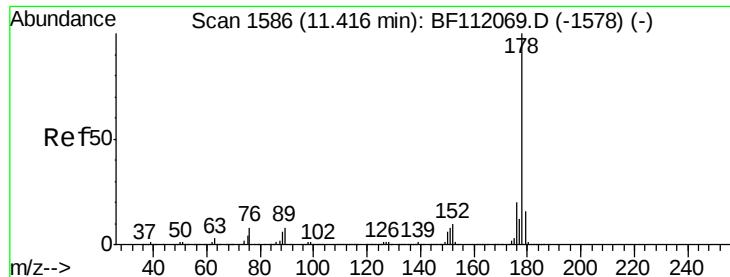
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.2	12.2
80	8.6	8.9	13.3#



#65
4,6-Dinitro-2-methylphenol
Concen: 10.135 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.22 min
Lab File: BF112148.D
Acq: 19 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
198	100		
51	137.9	17.2	57.2#
105	690.5	21.9	61.9#

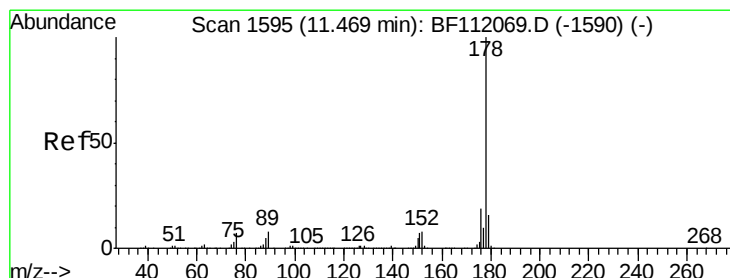
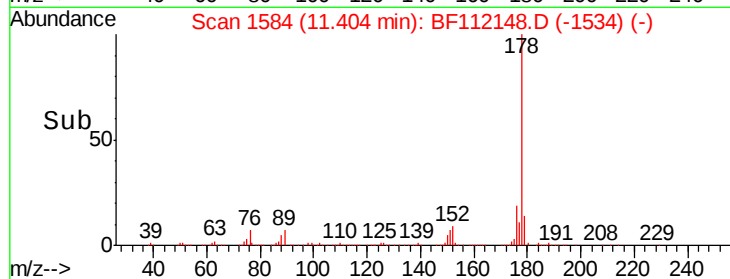
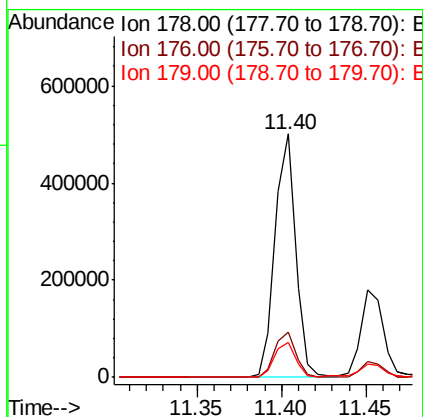
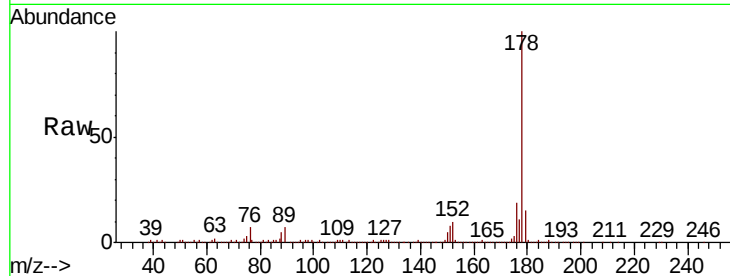




#71
Phenanthrene
Concen: 12.451 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF112148.D
Acq: 19 Jan 2019 2:02

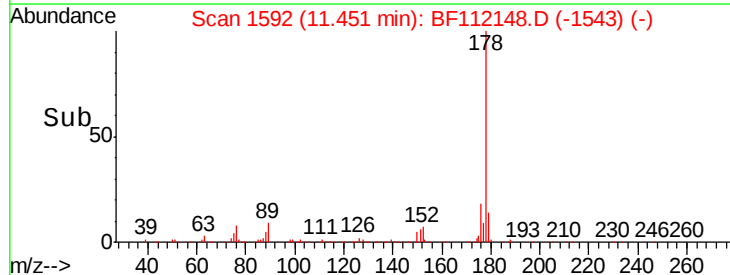
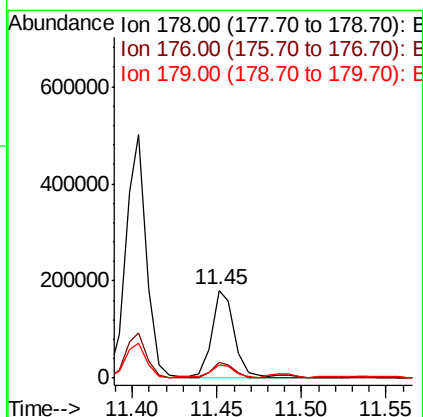
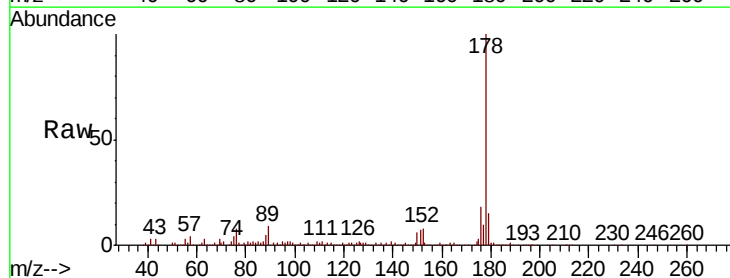
Instrument :
BNA_F
ClientSampleId :
SU-01-011719-A

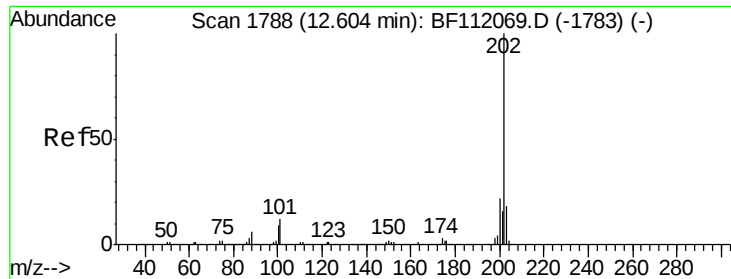
Tgt Ion:178 Resp: 423922
Ion Ratio Lower Upper
178 100
176 18.6 16.3 24.5
179 14.6 13.0 19.4



#72
Anthracene
Concen: 4.960 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF112148.D
Acq: 19 Jan 2019 2:02

Tgt Ion:178 Resp: 171066
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 14.6 12.8 19.2





#75

Fluoranthene

Concen: 20.904 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112148.D

Acq: 19 Jan 2019 2:02

Instrument :

BNA_F

ClientSampleId :

SU-01-011719-A

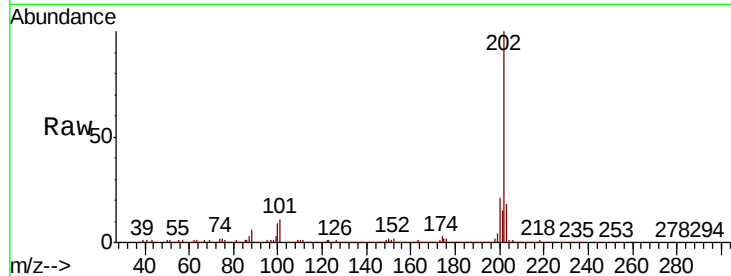
Tgt Ion: 202 Resp: 751423

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.8

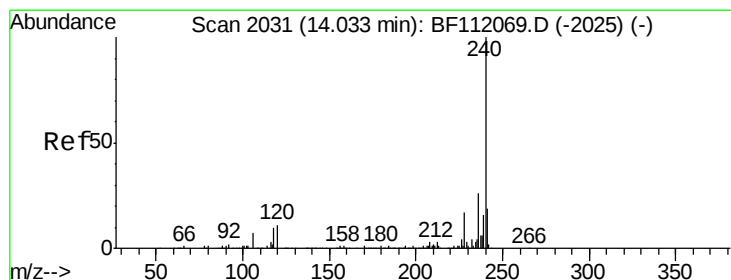
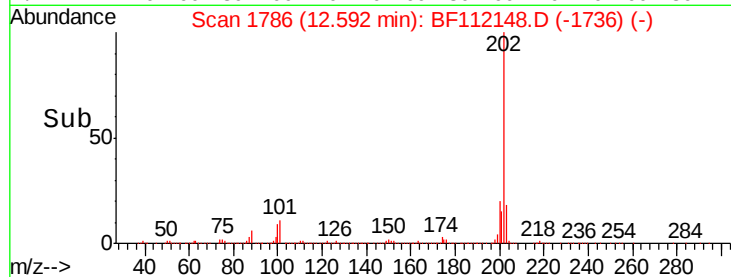
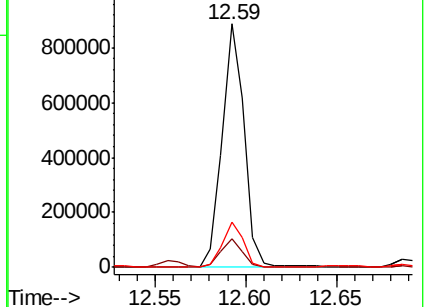
203 18.4 0.0 38.4



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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112148.D

Acq: 19 Jan 2019 2:02

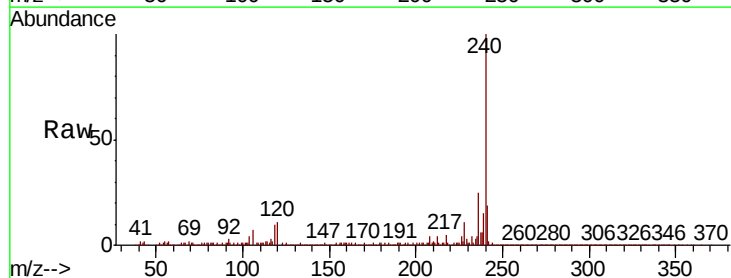
Tgt Ion: 240 Resp: 568495

Ion Ratio Lower Upper

240 100

120 11.0 9.0 13.6

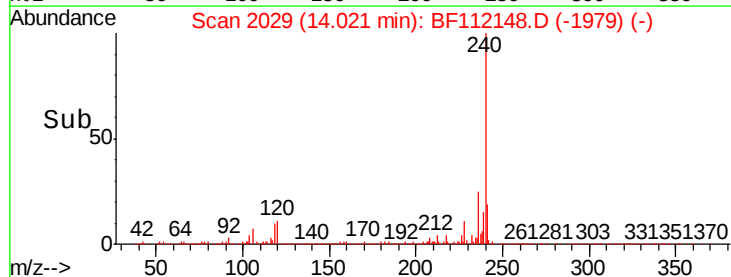
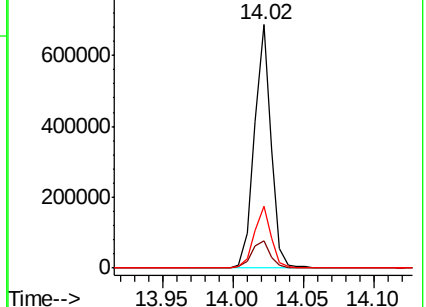
236 25.4 20.7 31.1

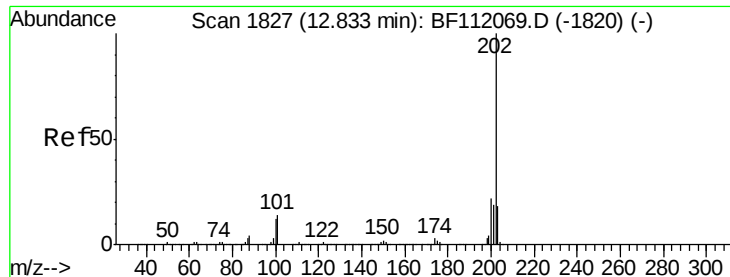


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 17.870 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112148.D

Acq: 19 Jan 2019 2:02

Instrument :

BNA_F

ClientSampleId :

SU-01-011719-A

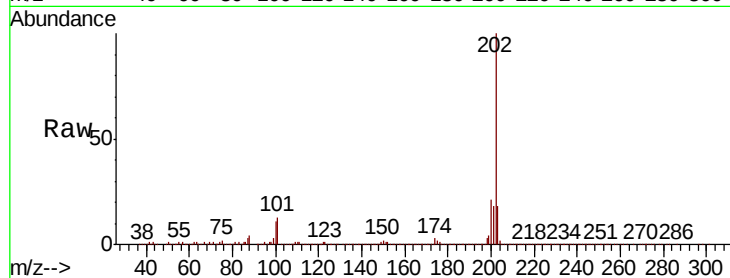
Tgt Ion:202 Resp: 670250

Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

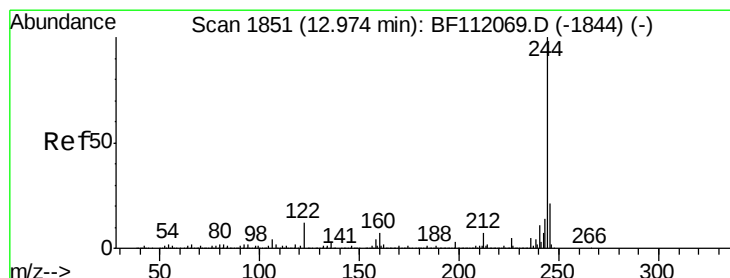
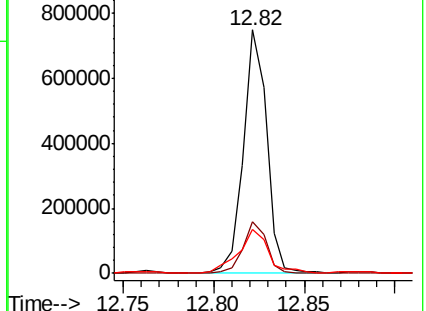
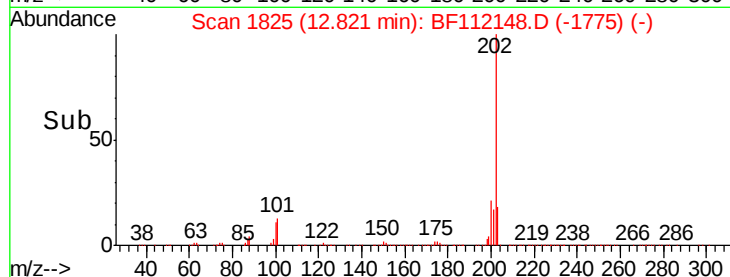
203 18.1 14.6 22.0



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: 13.803 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF112148.D

Acq: 19 Jan 2019 2:02

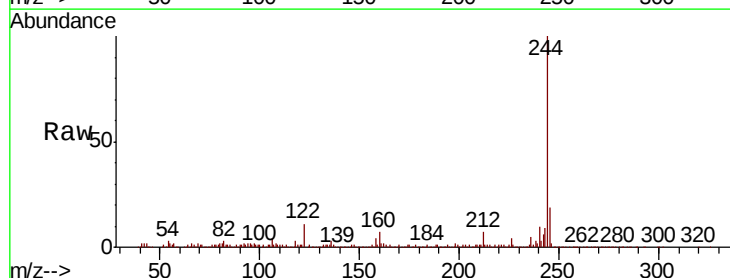
Tgt Ion:244 Resp: 368843

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

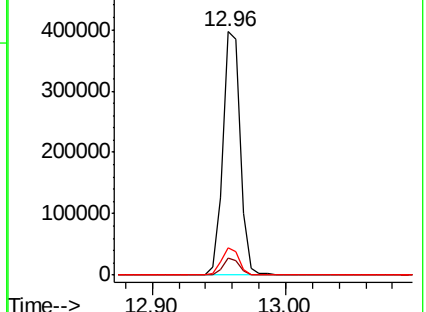
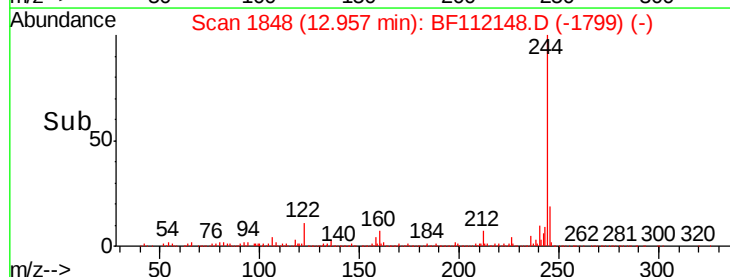
122 11.5 9.8 14.6

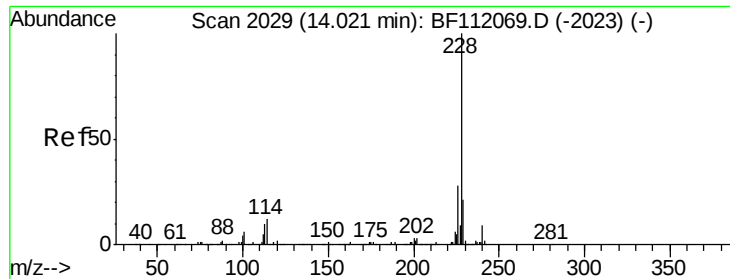


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

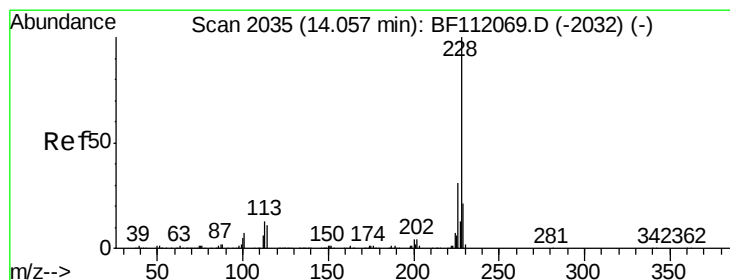
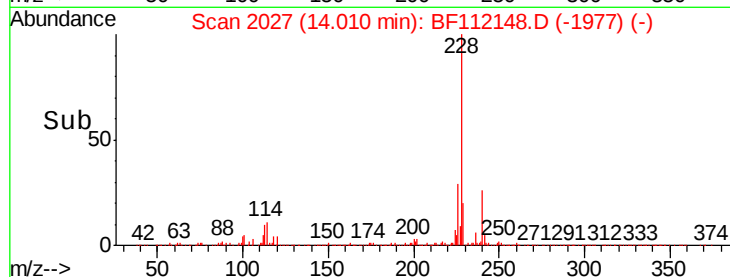
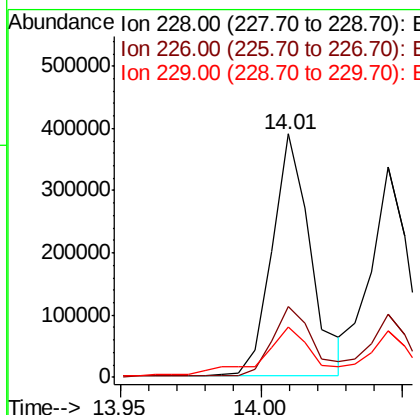
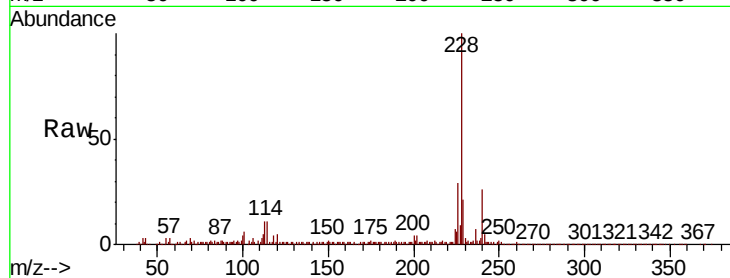




#81
Benzo(a)anthracene
Concen: 11.304 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF112148.D
Acq: 19 Jan 2019 2:02

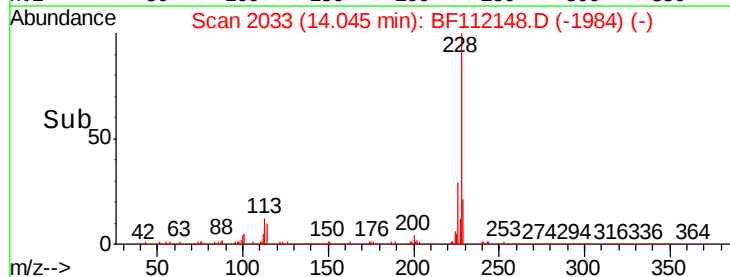
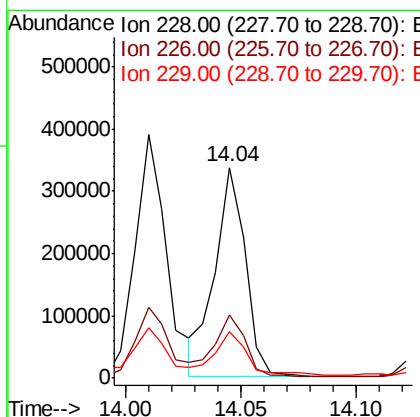
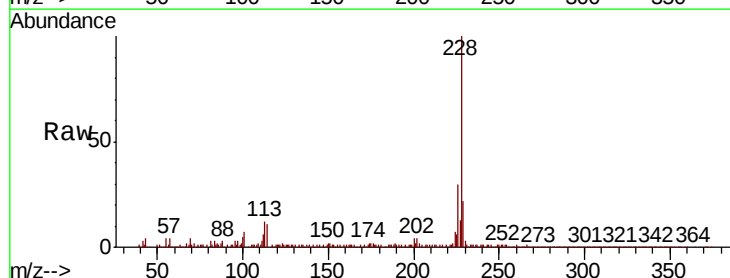
Instrument :
BNA_F
ClientSampleId :
SU-01-011719-A

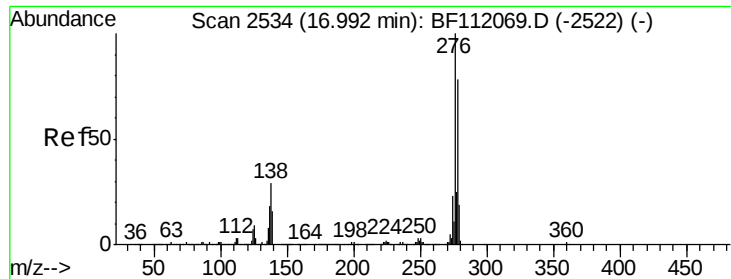
Tgt Ion:228 Resp: 368472
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 20.7 16.5 24.7



#83
Chrysene
Concen: 10.019 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF112148.D
Acq: 19 Jan 2019 2:02

Tgt Ion:228 Resp: 309014
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.3 16.6 24.8

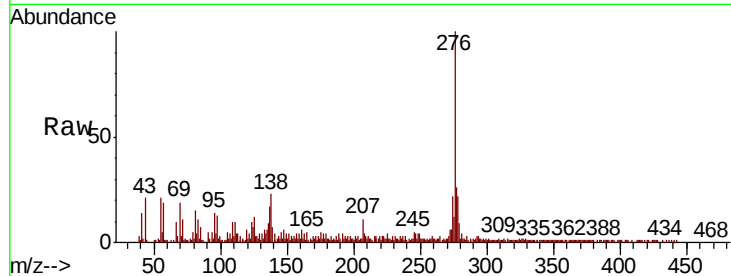




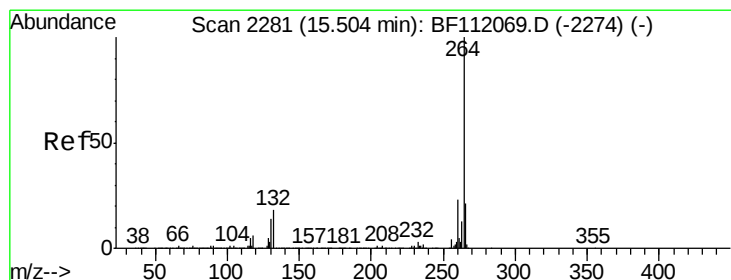
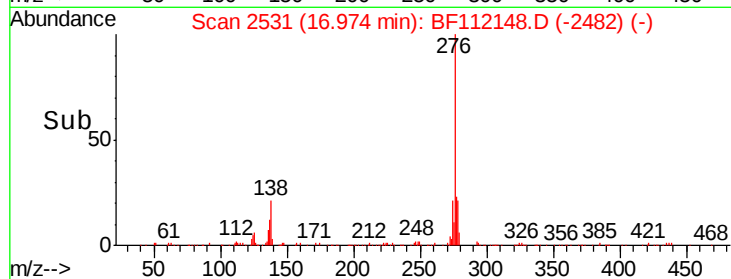
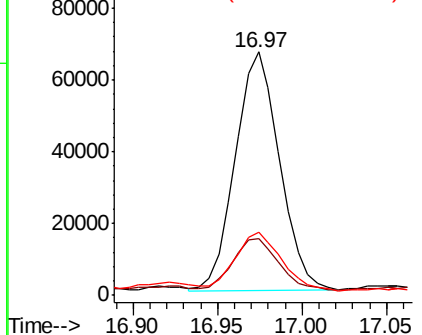
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.258 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.01 min
 Lab File: BF112148.D
 Acq: 19 Jan 2019 2:02

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-011719-A

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	22.6	34.0
277	24.4	20.3	30.5

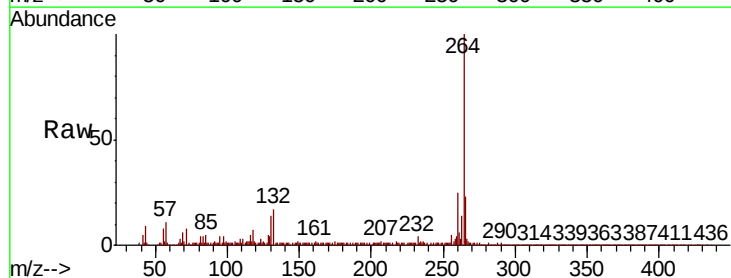


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

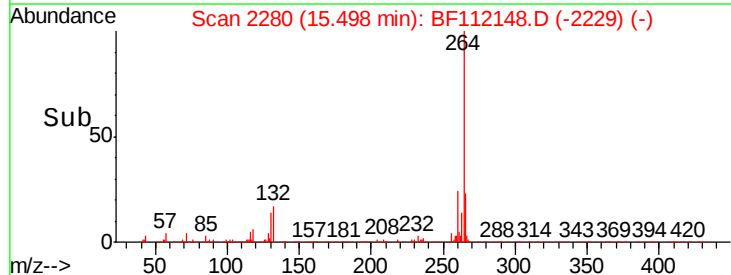
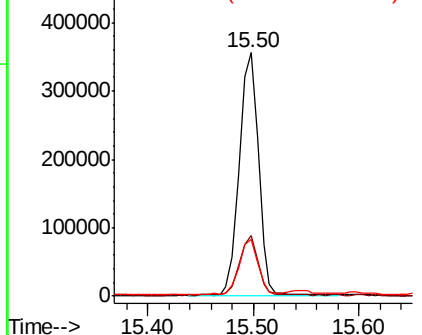


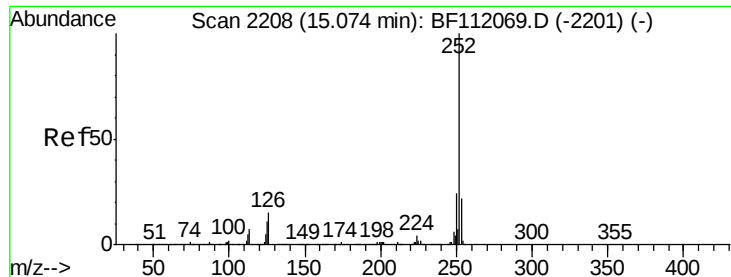
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BF112148.D
 Acq: 19 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.2	27.2
265	23.2	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

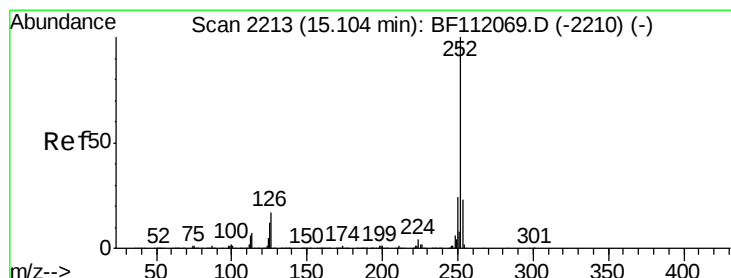
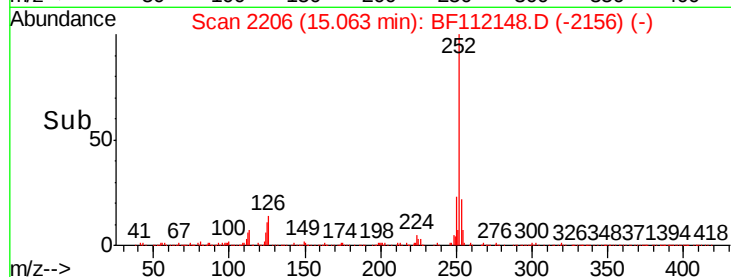
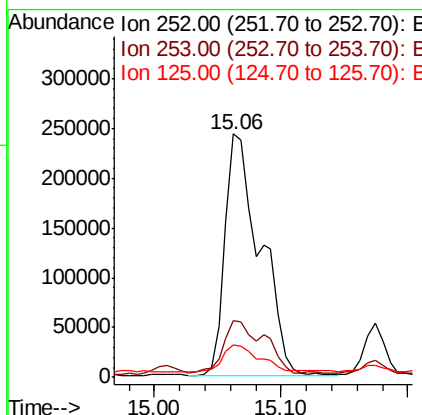
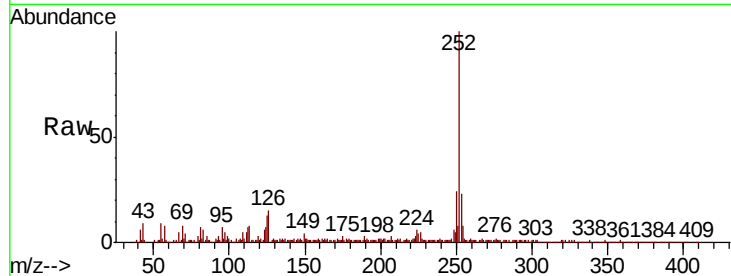




#88
Benzo(b)fluoranthene
Concen: 18.721 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112148.D
Acq: 19 Jan 2019 2:02

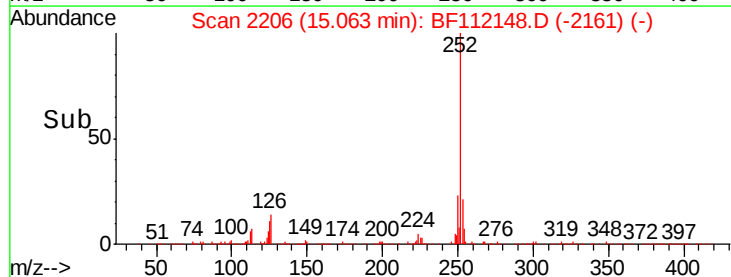
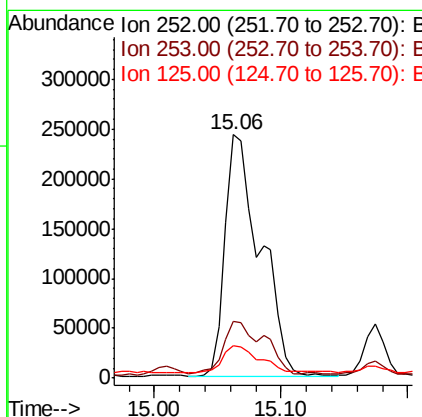
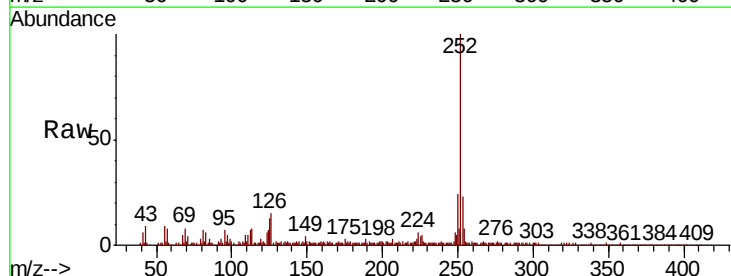
Instrument :
BNA_F
ClientSampleId :
SU-01-011719-A

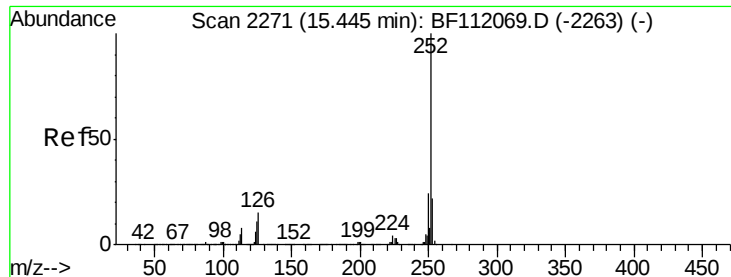
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	13.2	8.7	13.1#



#89
Benzo(k)fluoranthene
Concen: 19.343 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF112148.D
Acq: 19 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	13.2	9.1	13.7





#90

Benzo(a)pyrene

Concen: 10.287 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF112148.D

Acq: 19 Jan 2019 2:02

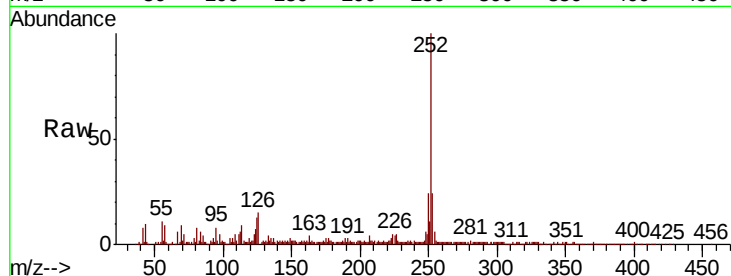
Instrument :

BNA_F

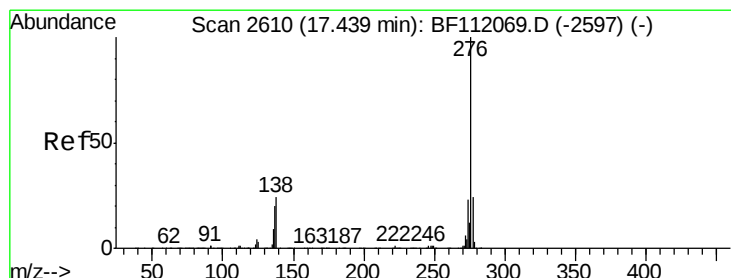
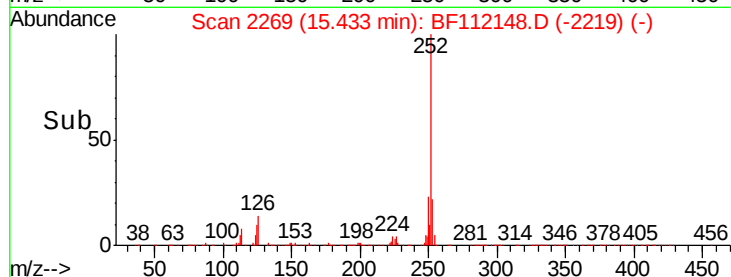
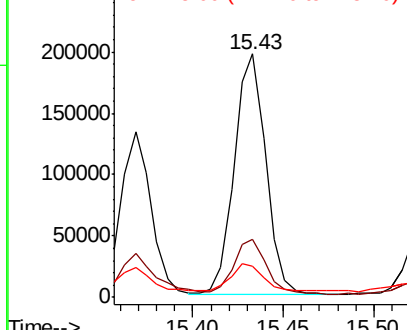
ClientSampleId :

SU-01-011719-A

Tgt Ion:	252	Resp:	236727
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	12.9	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: 5.548 ng

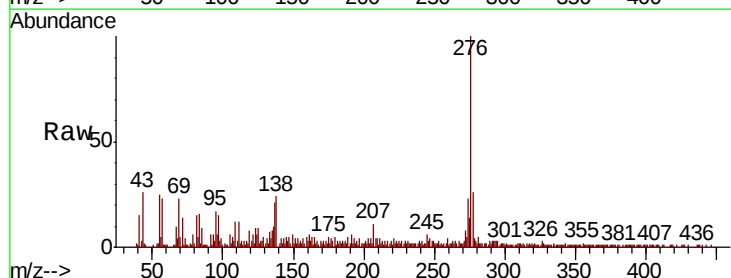
RT: 17.42 min Scan# 2607

Delta R.T. -0.01 min

Lab File: BF112148.D

Acq: 19 Jan 2019 2:02

Tgt Ion:	276	Resp:	111717
Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.4	29.0
138	23.8	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

