

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112018\
 Data File : BF110914.D
 Acq On : 21 Nov 2018 1:41
 Operator : JU/SJ
 Sample : J6003-07DL2 25X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NON-UST-03R-CDL2

Quant Time: Nov 21 04:20:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	55567	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	229227	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	93068	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	145209	20.00	ng	0.00
76) Chrysene-d12	14.13	240	129200	20.00	ng	0.00
87) Perylene-d12	15.67	264	86076	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	7684	2.25	ng	0.03
7) Phenol-d6	6.59	99	15226	3.48	ng	0.02
23) Nitrobenzene-d5	7.62	82	1180	0.30	ng	0.11
42) 2,4,6-Tribromophenol	10.79	330	2020	2.15	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	20311	3.12	ng	0.00
79) Terphenyl-d14	13.06	244	16732	2.43	ng	0.00

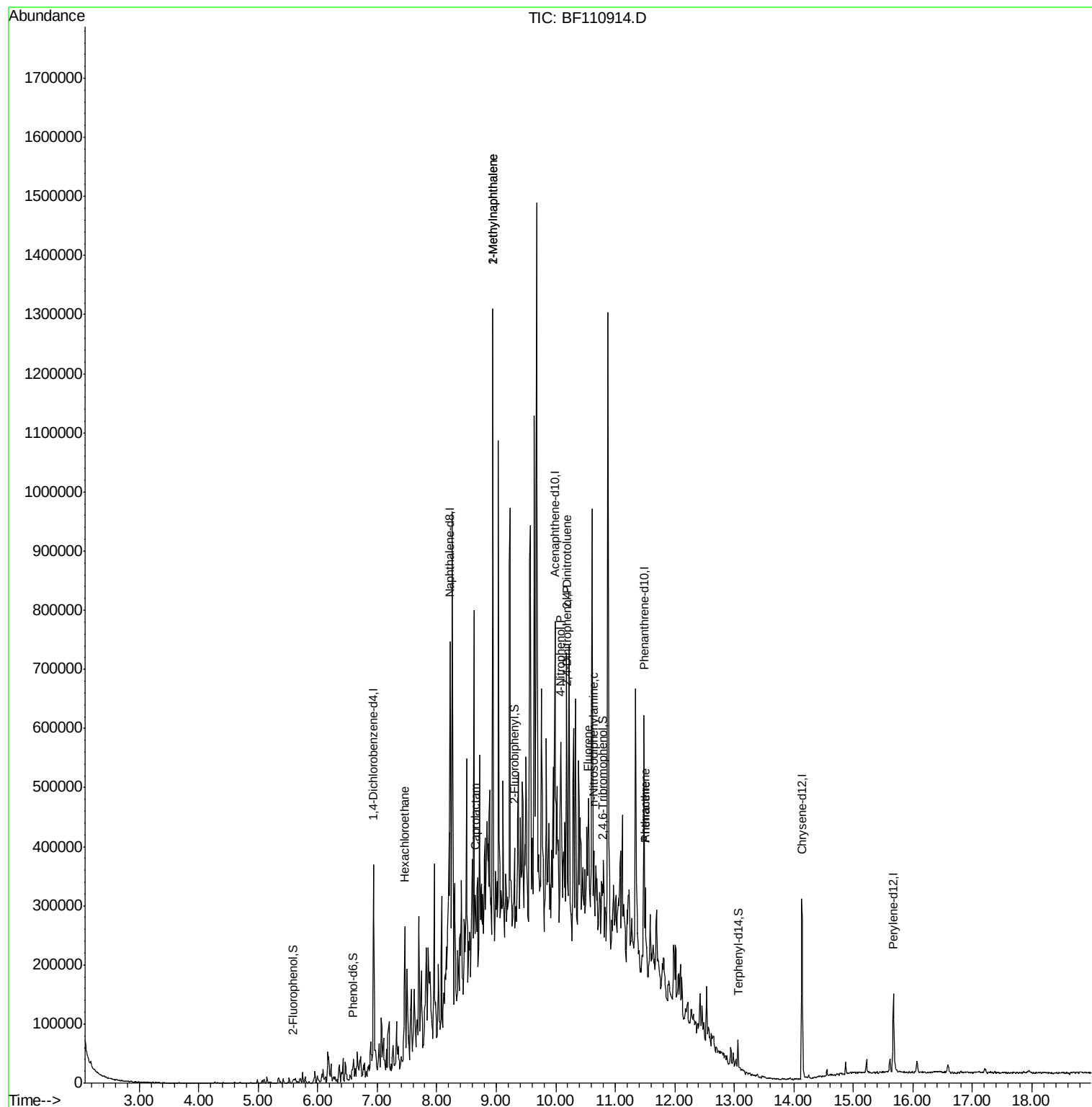
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	127	Below Cal		# 1
18) Hexachloroethane	7.47	117	9837	5.980	ng	# 1
35) Caprolactam	8.66	113	2725	2.558	ng	# 1
37) 2-Methylnaphthalene	8.94	142	280566	39.772	ng	99
38) 1-Methylnaphthalene	8.94	142	280566	41.356	ng	98
54) 2,4-Dinitrophenol	10.19	184	329	5.211	ng	# 1
56) 4-Nitrophenol	10.08	139	8441	7.189	ng	# 55
57) 2,4-Dinitrotoluene	10.18	165	4714	2.373	ng	# 54
58) Fluorene	10.54	166	18806	2.940	ng	# 65
66) n-Nitrosodiphenylamine	10.64	169	25729	5.257	ng	# 42
71) Phenanthrene	11.50	178	51133	6.573	ng	# 97
72) Anthracene	11.50	178	50487	6.433	ng	96

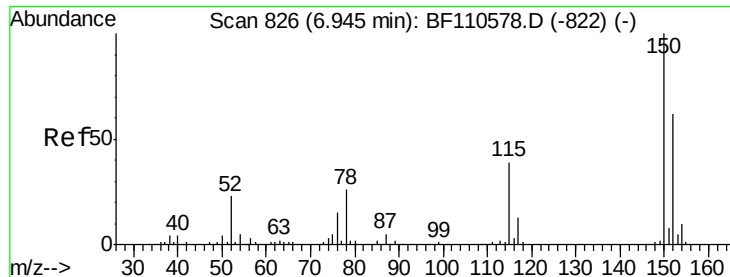
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112018\
Data File : BF110914.D
Acq On : 21 Nov 2018 1:41
Operator : JU/SJ
Sample : J6003-07DL2 25X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NON-UST-03R-CDL2

Quant Time: Nov 21 04:20:13 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration

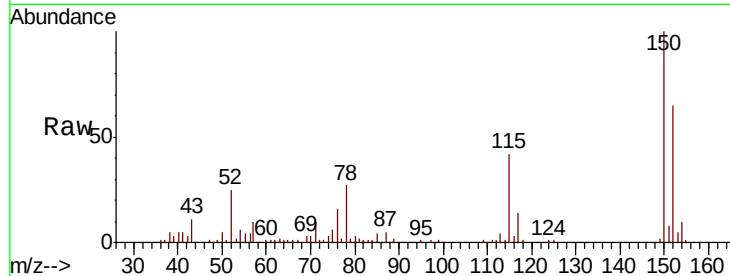




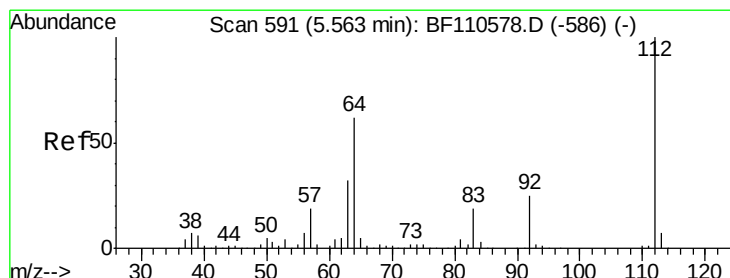
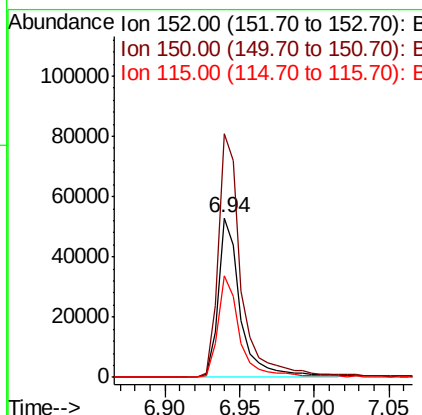
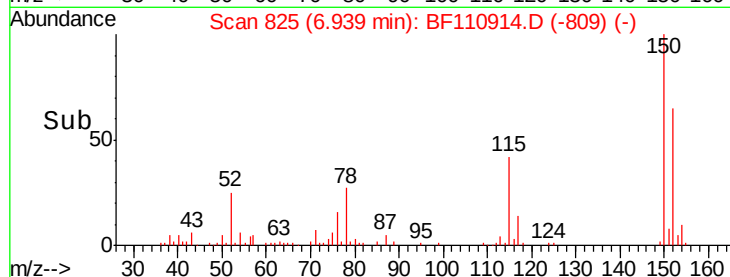
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF110914.D
 Acq: 21 Nov 2018 1:41

Instrument :
 BNA_F
 ClientSampleId :
 NON-UST-03R-CDL2

Tgt Ion:152 Resp: 55567
 Ion Ratio Lower Upper
 152 100
 150 152.9 122.7 184.1
 115 64.1 49.1 73.7

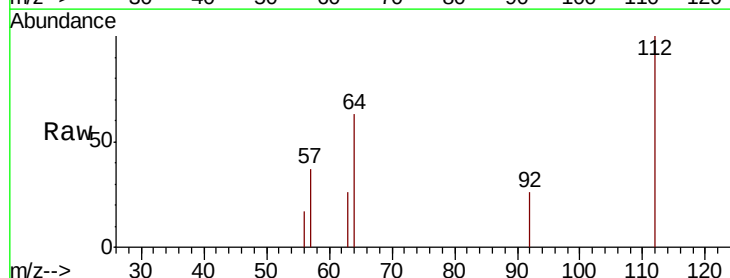


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

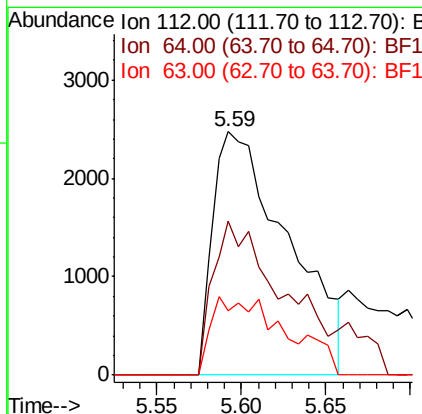
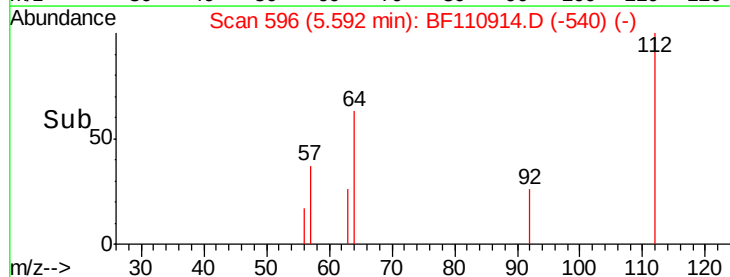


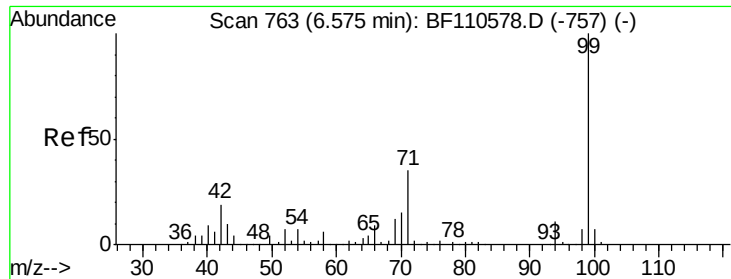
#5
 2-Fluorophenol
 Concen: 2.246 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.03 min
 Lab File: BF110914.D
 Acq: 21 Nov 2018 1:41

Tgt Ion:112 Resp: 7684
 Ion Ratio Lower Upper
 112 100
 64 63.2 44.1 66.1
 63 26.2 23.7 35.5



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: 3.481 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.02 min

Lab File: BF110914.D

Acq: 21 Nov 2018 1:41

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-CDL2

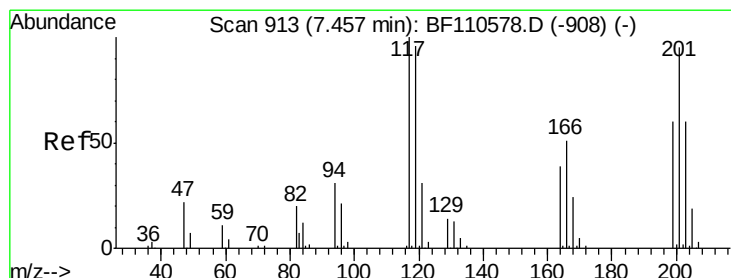
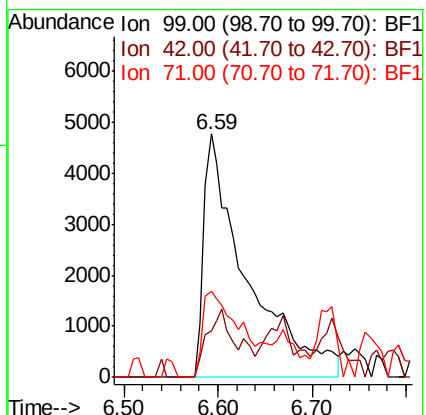
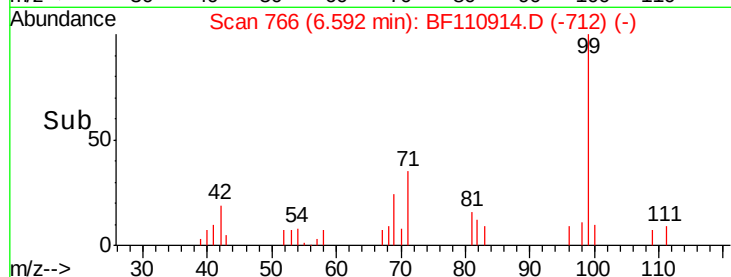
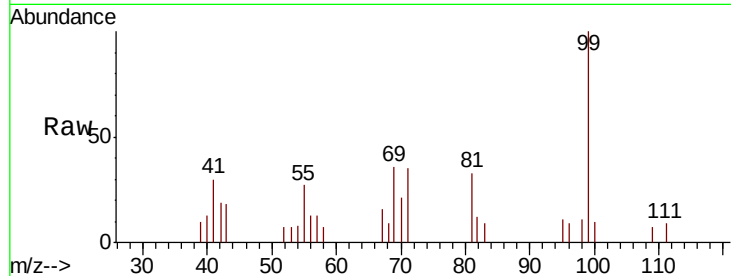
Tgt Ion: 99 Resp: 15226

Ion Ratio Lower Upper

99 100

42 19.1 15.8 23.6

71 35.4 28.0 42.0



#18

Hexachloroethane

Concen: 5.980 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF110914.D

Acq: 21 Nov 2018 1:41

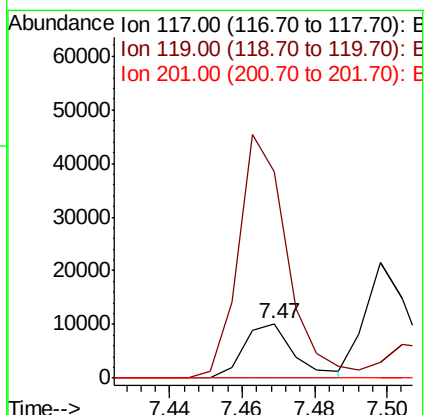
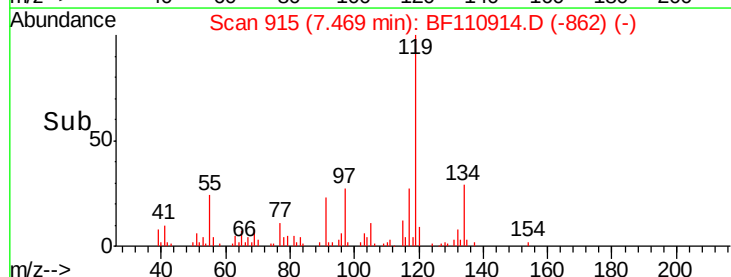
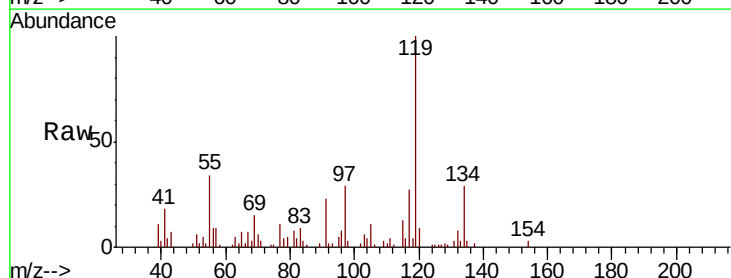
Tgt Ion: 117 Resp: 9837

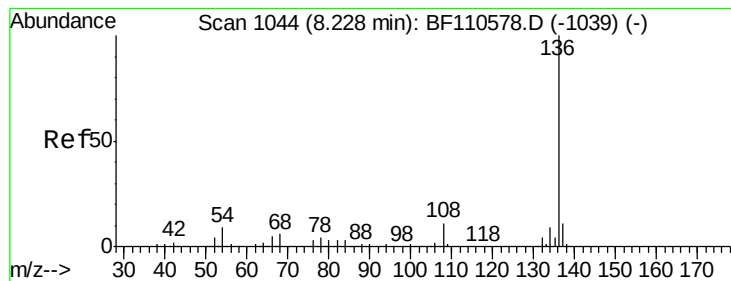
Ion Ratio Lower Upper

117 100

119 377.2 75.0 112.6#

201 0.0 79.2 118.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110914.D

Acq: 21 Nov 2018 1:41

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-CDL2

Tgt Ion: 136 Resp: 229227

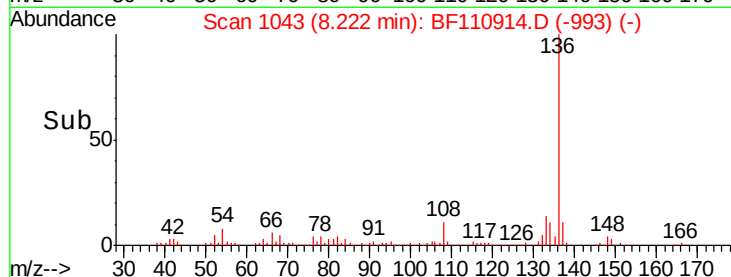
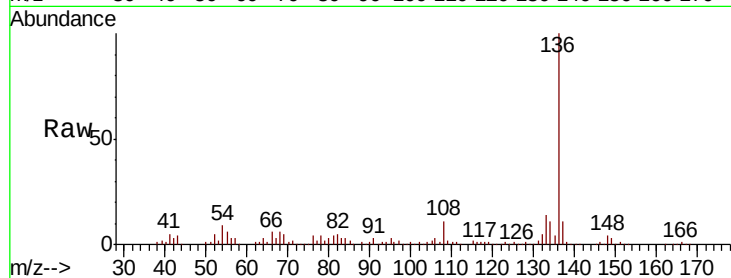
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.7 5.4 8.2#

68 5.7 4.2 6.2

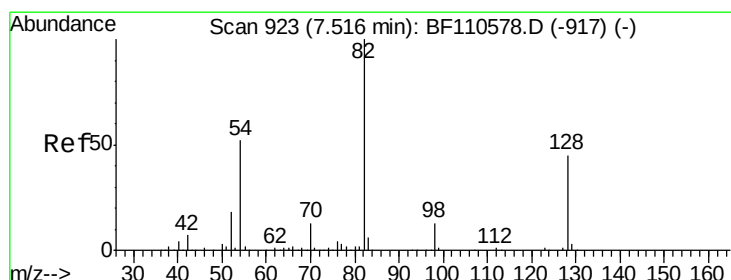
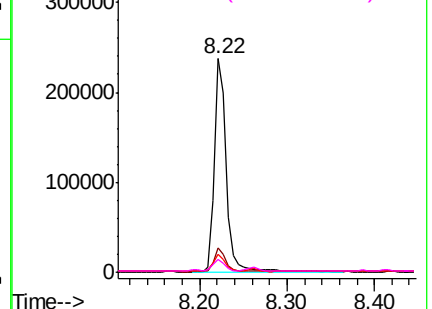


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.296 ng

RT: 7.62 min Scan# 941

Delta R.T. 0.11 min

Lab File: BF110914.D

Acq: 21 Nov 2018 1:41

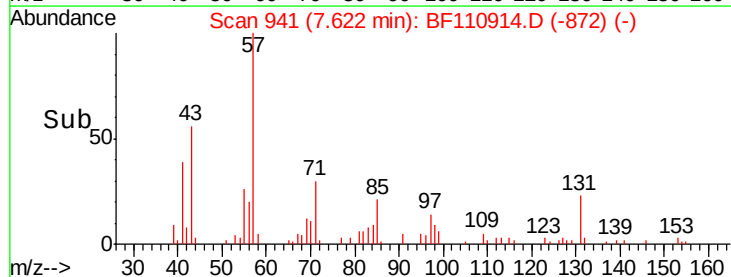
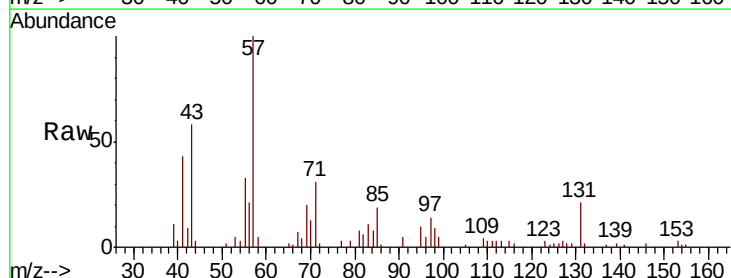
Tgt Ion: 82 Resp: 1180

Ion Ratio Lower Upper

82 100

128 37.3 34.2 51.2

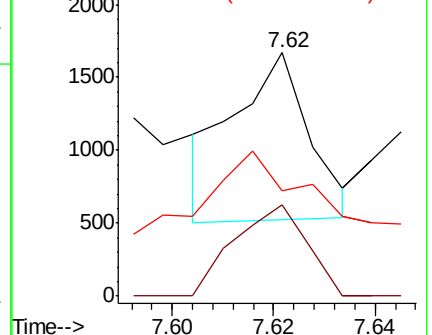
54 43.5 38.6 58.0

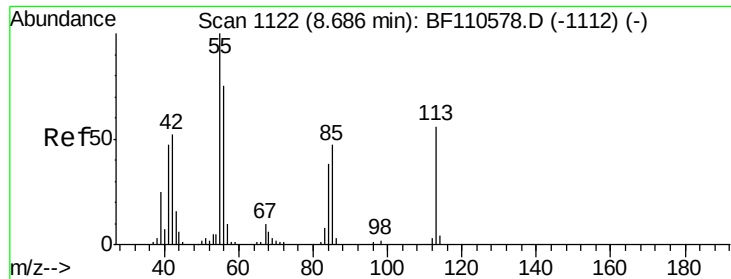


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

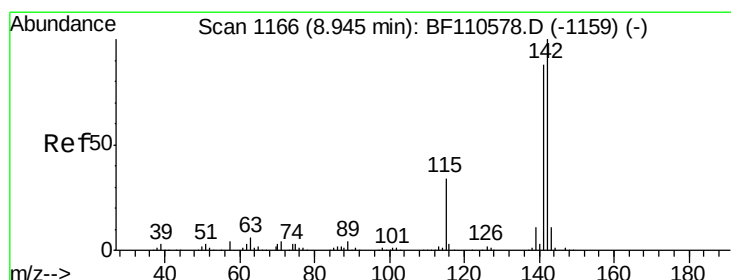
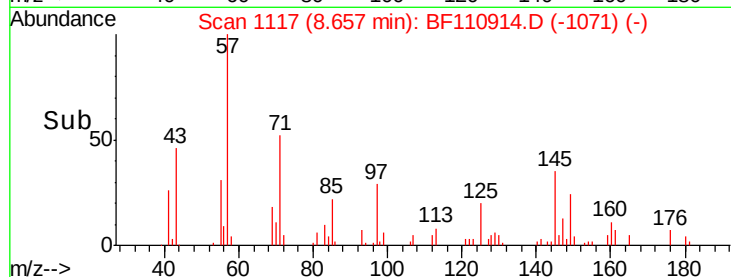
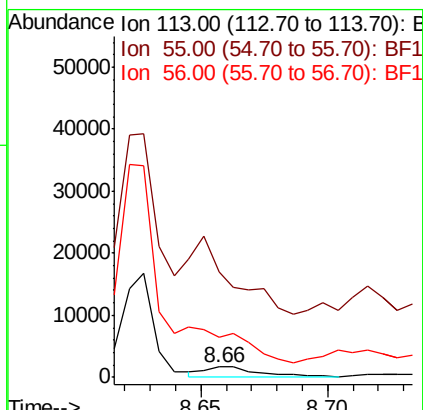
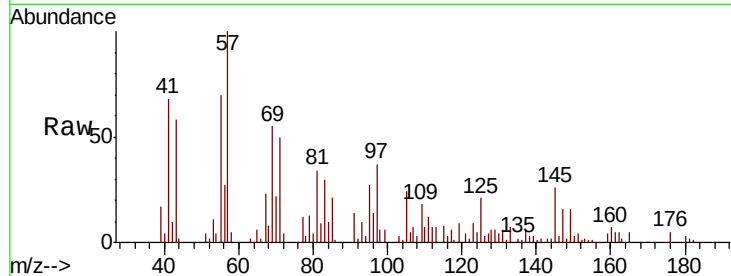




#35
 Caprolactam
 Concen: 2.558 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. -0.03 min
 Lab File: BF110914.D
 Acq: 21 Nov 2018 1:41

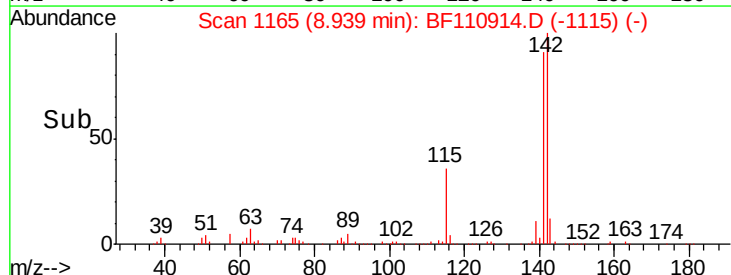
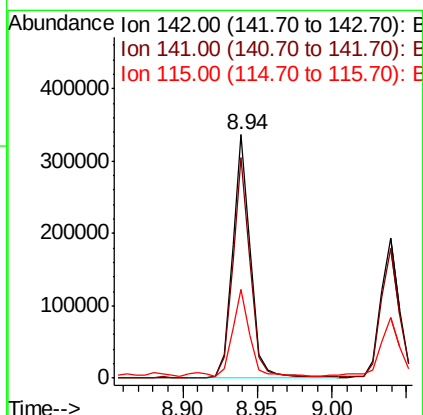
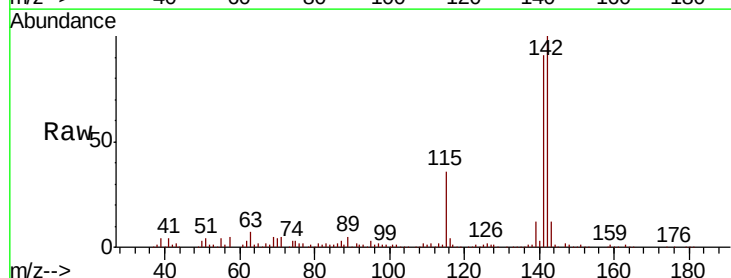
Instrument :
 BNA_F
 ClientSampleId :
 NON-UST-03R-CDL2

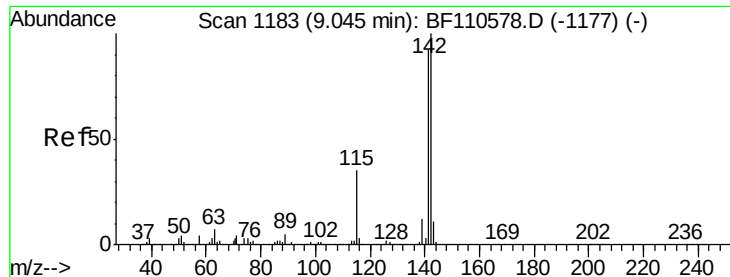
Tgt Ion:113 Resp: 2725
 Ion Ratio Lower Upper
 113 100
 55 1002.1 142.8 182.8#
 56 385.8 105.0 145.0#



#37
 2-Methylnaphthalene
 Concen: 39.772 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF110914.D
 Acq: 21 Nov 2018 1:41

Tgt Ion:142 Resp: 280566
 Ion Ratio Lower Upper
 142 100
 141 90.8 71.4 107.2
 115 36.3 28.7 43.1

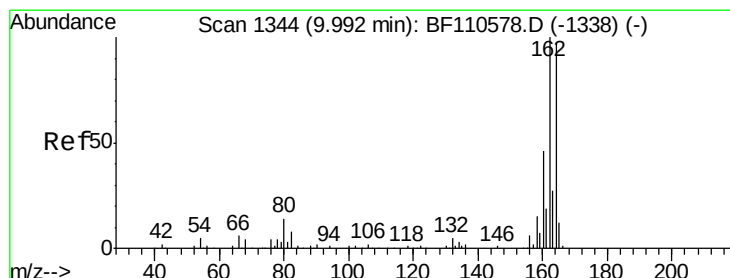
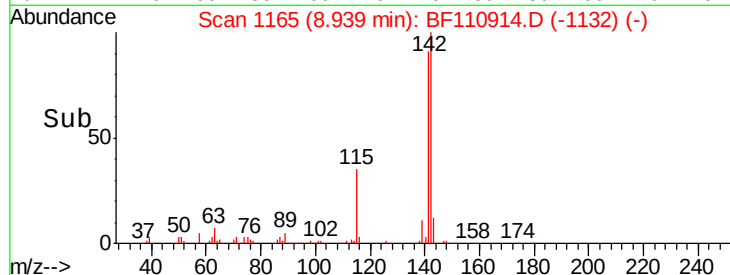
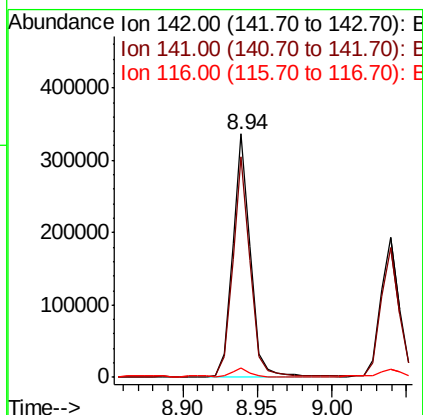
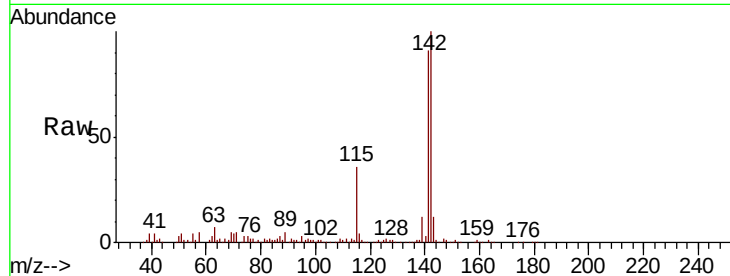




#38
 1-Methylnaphthalene
 Concen: 41.356 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.11 min
 Lab File: BF110914.D
 Acq: 21 Nov 2018 1:41

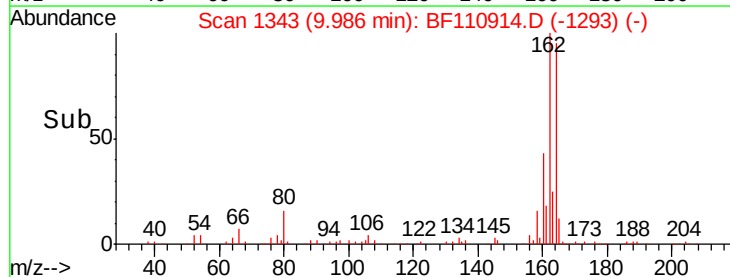
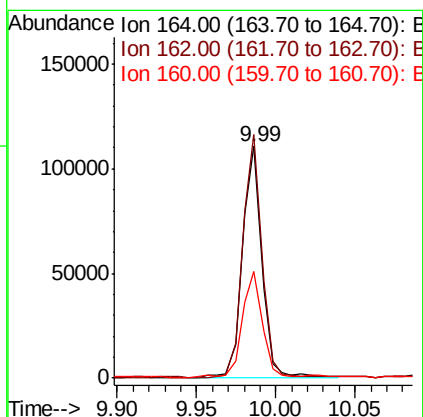
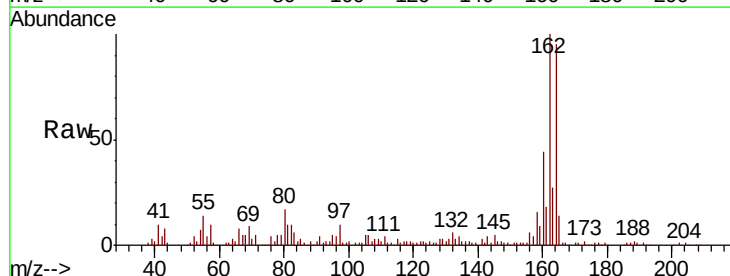
Instrument :
 BNA_F
 ClientSampleId :
 NON-UST-03R-CDL2

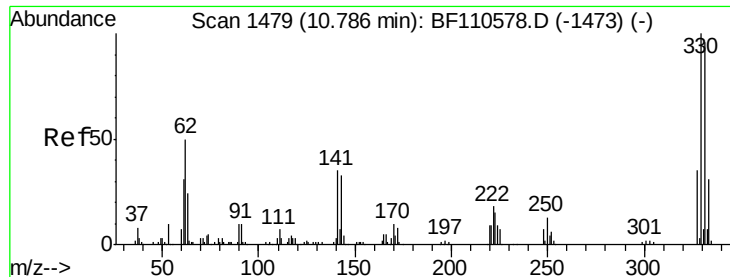
Tgt Ion:142 Resp: 280566
 Ion Ratio Lower Upper
 142 100
 141 90.8 74.2 111.4
 116 3.7 2.6 4.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BF110914.D
 Acq: 21 Nov 2018 1:41

Tgt Ion:164 Resp: 93068
 Ion Ratio Lower Upper
 164 100
 162 105.0 83.0 124.6
 160 45.9 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 2.154 ng

RT: 10.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BF110914.D

Acq: 21 Nov 2018 1:41

Instrument :

BNA_F

ClientSampleId :

NON-UST-03R-CDL2

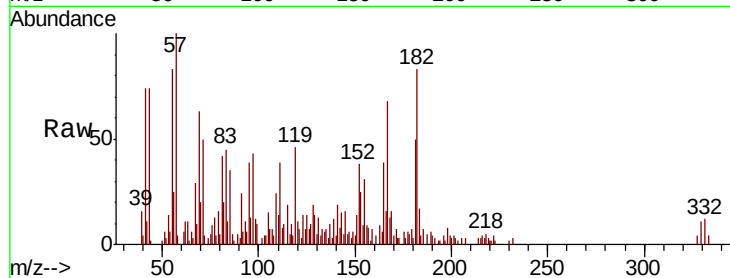
Tgt Ion:330 Resp: 2020

Ion Ratio Lower Upper

330 100

332 104.7 77.1 115.7

141 141.9 27.0 40.4#

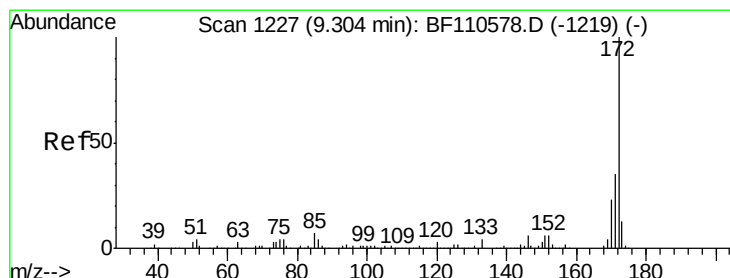
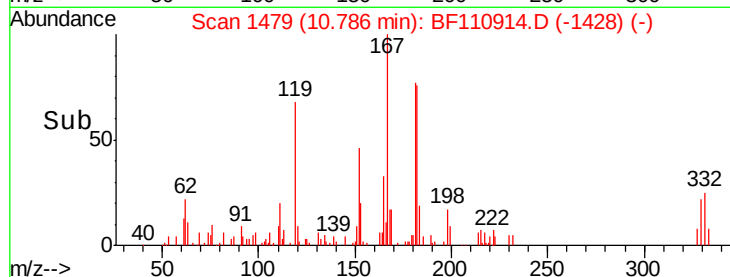
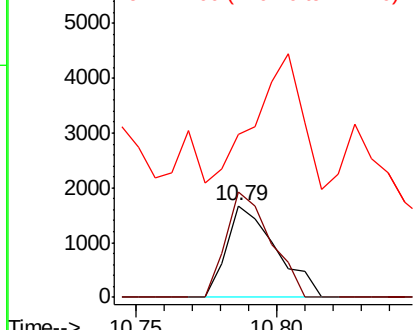


Abundance

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: 3.117 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF110914.D

Acq: 21 Nov 2018 1:41

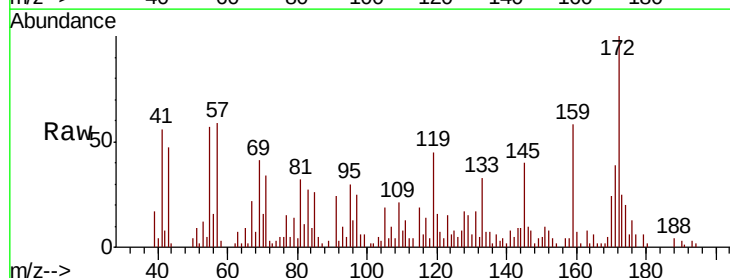
Tgt Ion:172 Resp: 20311

Ion Ratio Lower Upper

172 100

171 38.7 28.6 43.0

170 23.9 19.7 29.5

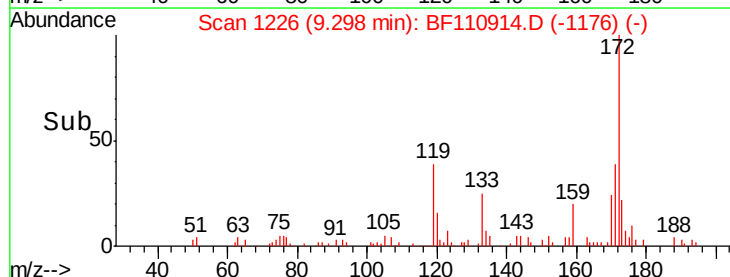
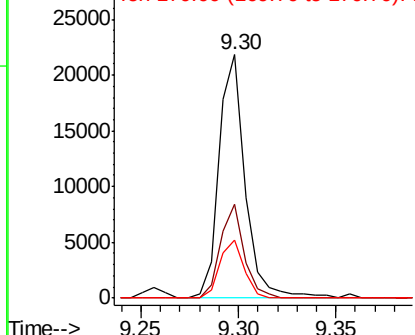


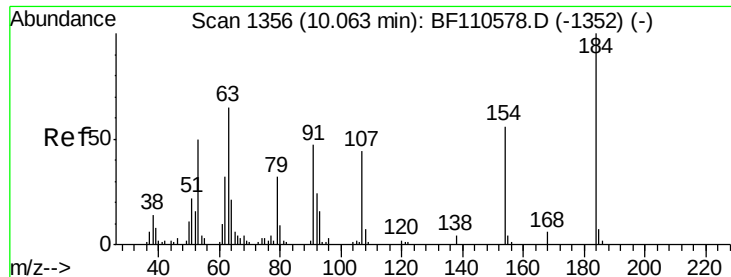
Abundance

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

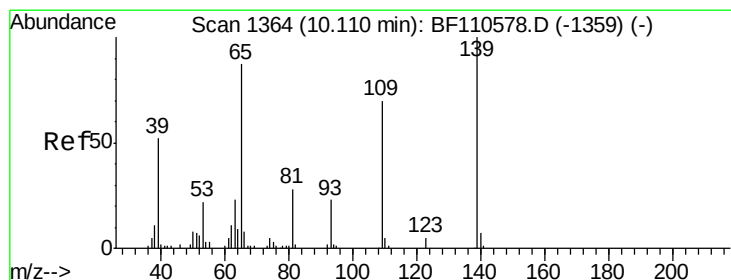
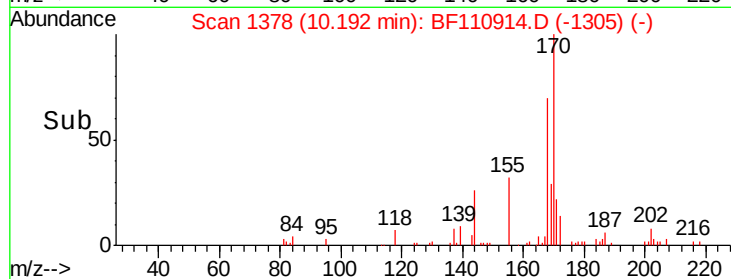
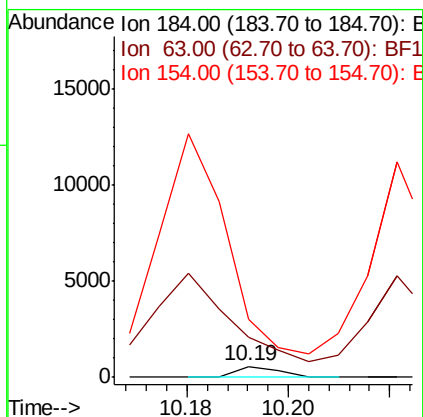
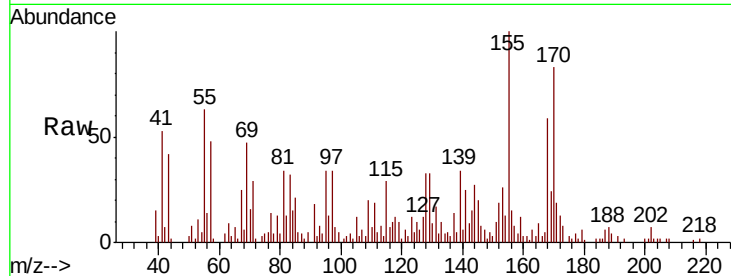




#54
 2,4-Dinitrophenol
 Concen: 5.211 ng
 RT: 10.19 min Scan# 1378
 Delta R.T. 0.13 min
 Lab File: BF110914.D
 Acq: 21 Nov 2018 1:41

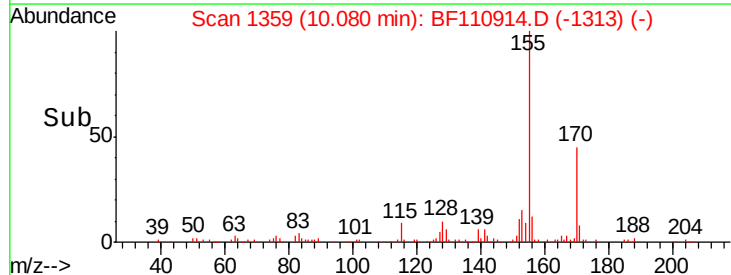
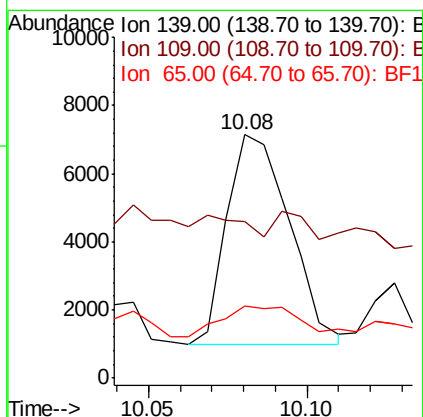
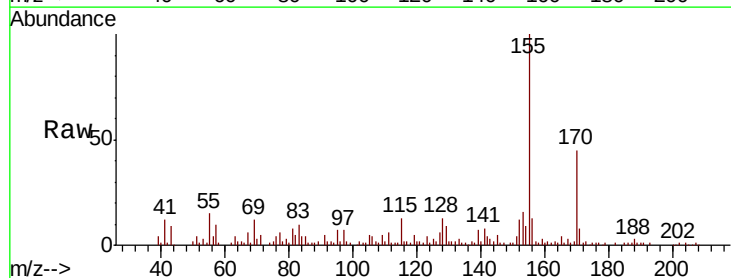
Instrument :
 BNA_F
 ClientSampleId :
 NON-UST-03R-CDL2

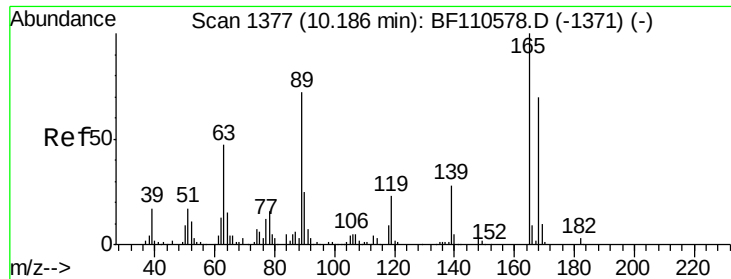
Tgt Ion:184 Resp: 329
 Ion Ratio Lower Upper
 184 100
 63 374.1 55.8 83.6#
 154 545.4 63.2 94.8#



#56
 4-Nitrophenol
 Concen: 7.189 ng
 RT: 10.08 min Scan# 1359
 Delta R.T. -0.03 min
 Lab File: BF110914.D
 Acq: 21 Nov 2018 1:41

Tgt Ion:139 Resp: 8441
 Ion Ratio Lower Upper
 139 100
 109 64.4 55.8 95.8
 65 29.9 77.9 117.9#

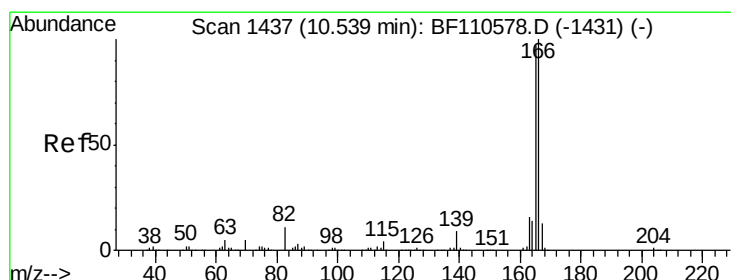
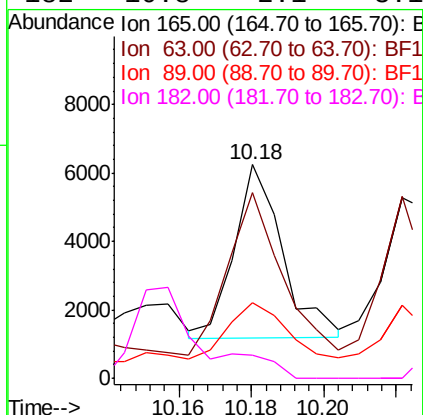
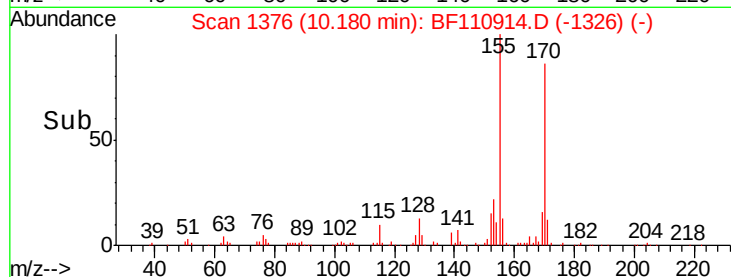
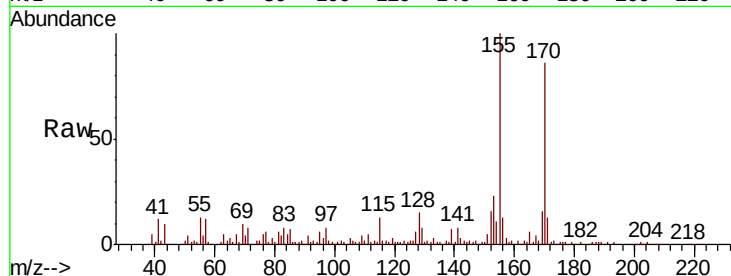




#57
 2,4-Dinitrotoluene
 Concen: 2.373 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: BF110914.D
 Acq: 21 Nov 2018 1:41

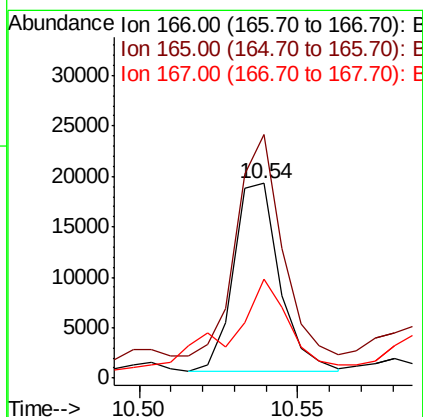
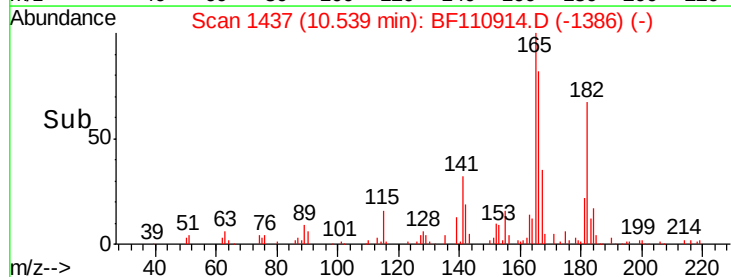
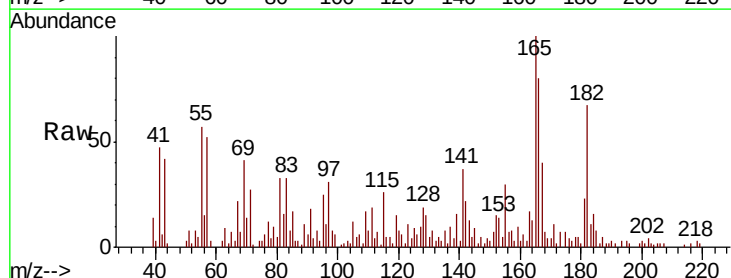
Instrument :
 BNA_F
 ClientSampleId :
 NON-UST-03R-CDL2

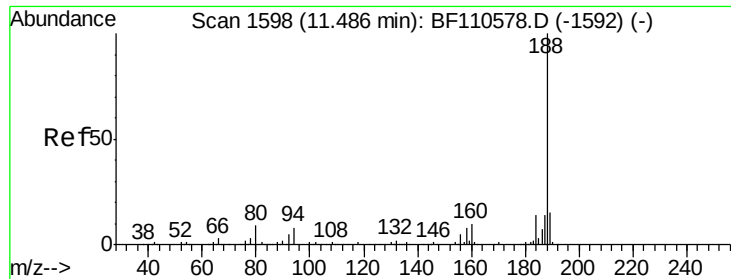
Tgt Ion:	165	Resp:	4714
Ion	Ratio	Lower	Upper
165	100		
63	87.2	44.8	67.2#
89	35.3	62.2	93.4#
182	10.8	2.1	3.1#



#58
 Fluorene
 Concen: 2.940 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.00 min
 Lab File: BF110914.D
 Acq: 21 Nov 2018 1:41

Tgt Ion:	166	Resp:	18806
Ion	Ratio	Lower	Upper
166	100		
165	125.0	78.6	117.8#
167	50.6	10.8	16.2#

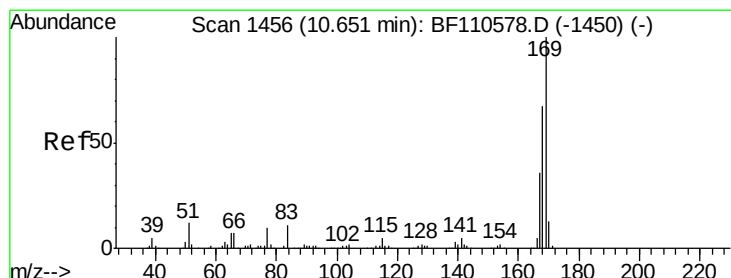
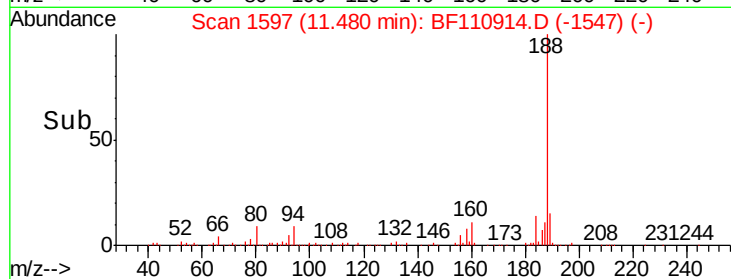
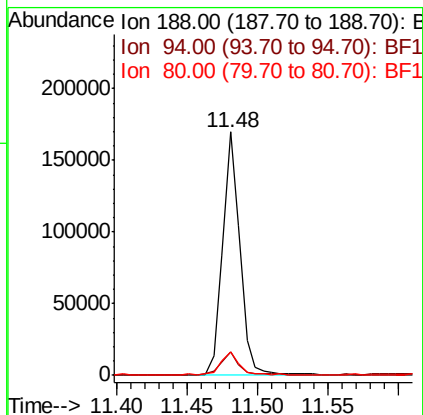
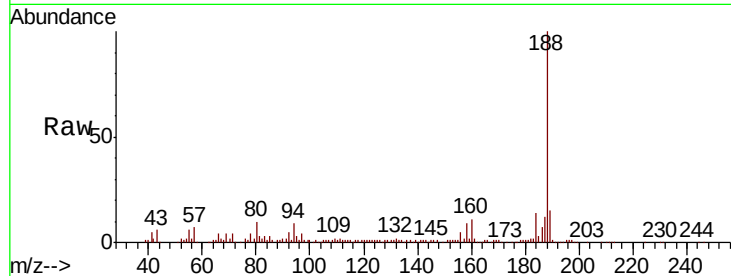




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110914.D
Acq: 21 Nov 2018 1:41

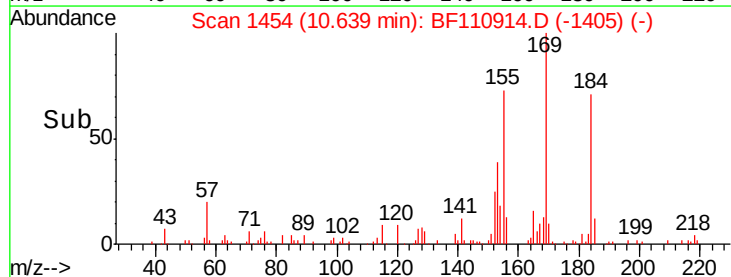
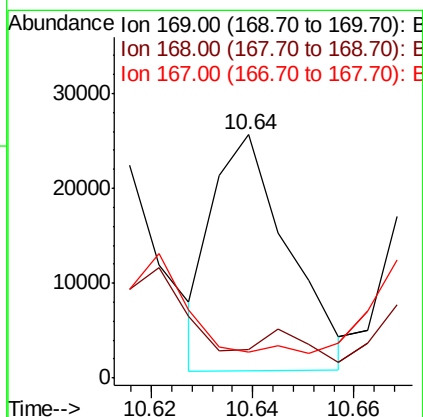
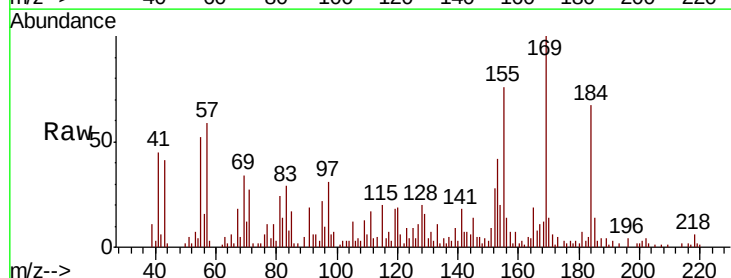
Instrument :
BNA_F
ClientSampleId :
NON-UST-03R-CDL2

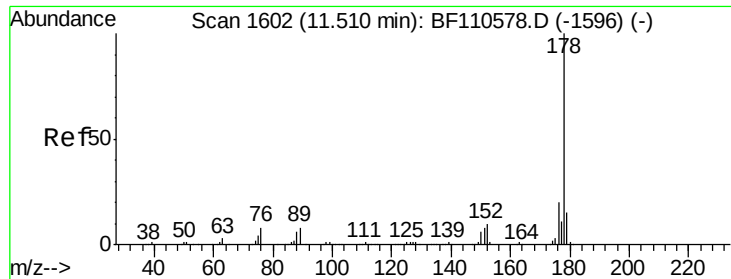
Tgt Ion:188 Resp: 145209
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 9.7 7.9 11.9



#66
n-Nitrosodiphenylamine
Concen: 5.257 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF110914.D
Acq: 21 Nov 2018 1:41

Tgt Ion:169 Resp: 25729
Ion Ratio Lower Upper
169 100
168 12.0 51.2 76.8#
167 10.9 27.8 41.6#

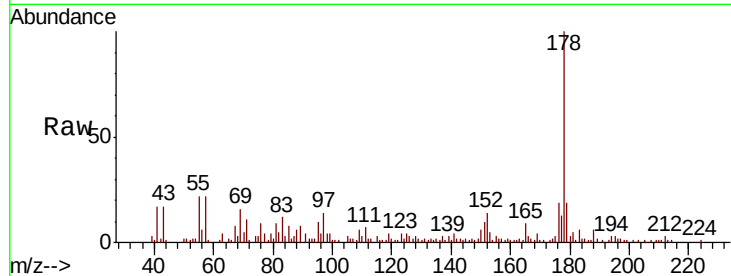




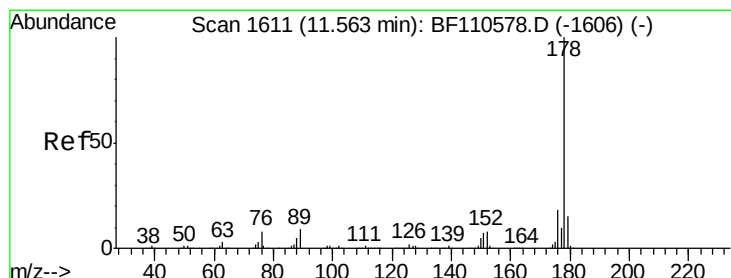
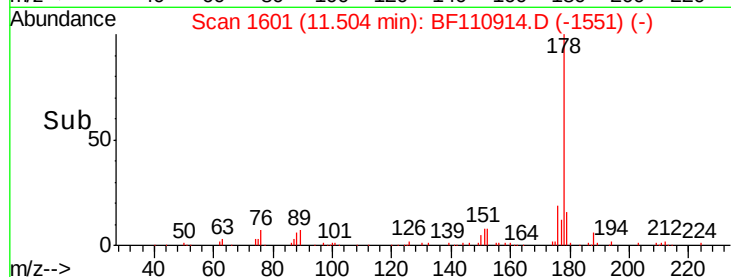
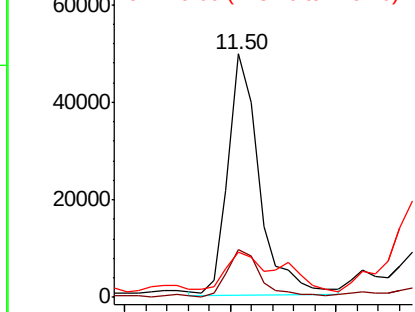
#71
Phenanthrene
Concen: 6.573 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110914.D
Acq: 21 Nov 2018 1:41

Instrument :
BNA_F
ClientSampleId :
NON-UST-03R-CDL2

Tgt Ion:178 Resp: 51133
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 18.8 12.5 18.7#

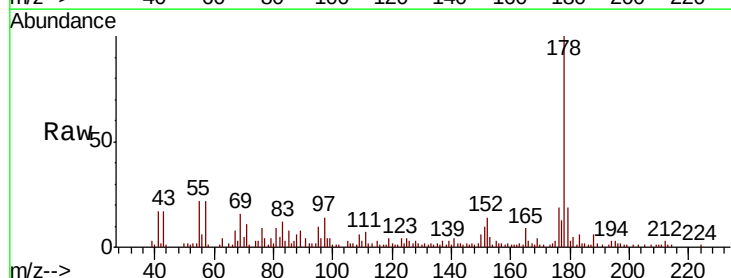


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

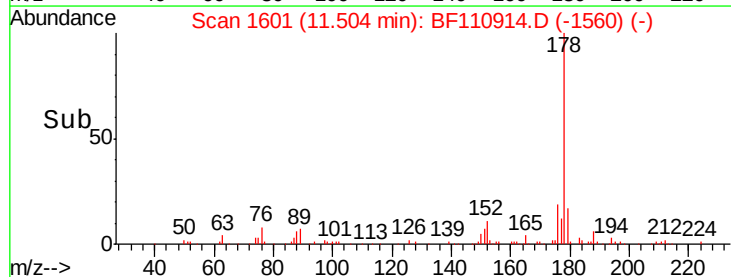
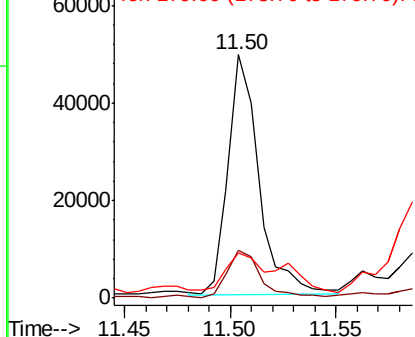


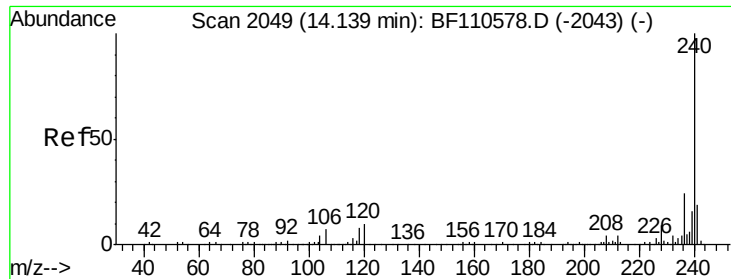
#72
Anthracene
Concen: 6.433 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.06 min
Lab File: BF110914.D
Acq: 21 Nov 2018 1:41

Tgt Ion:178 Resp: 50487
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 18.8 12.6 18.8



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

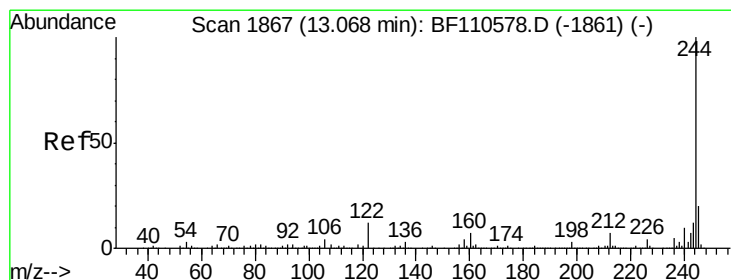
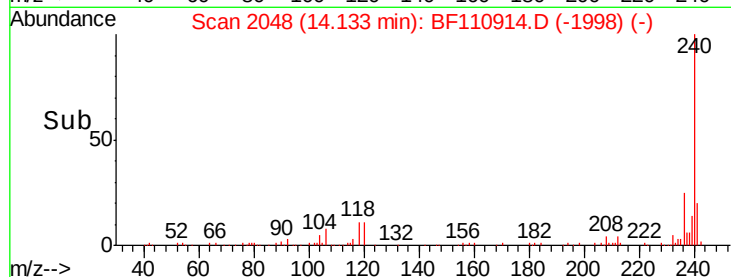
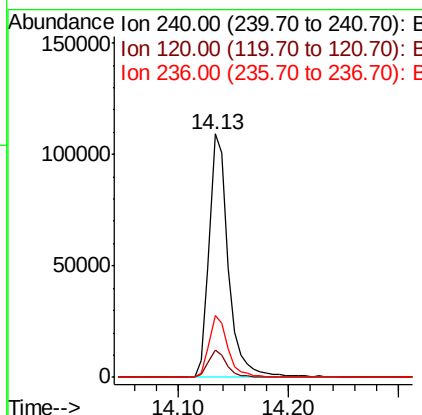
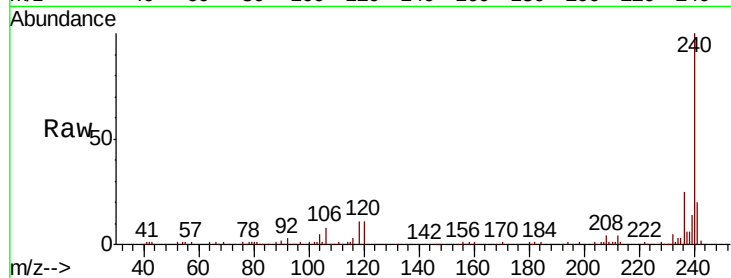




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: BF110914.D
 Acq: 21 Nov 2018 1:41

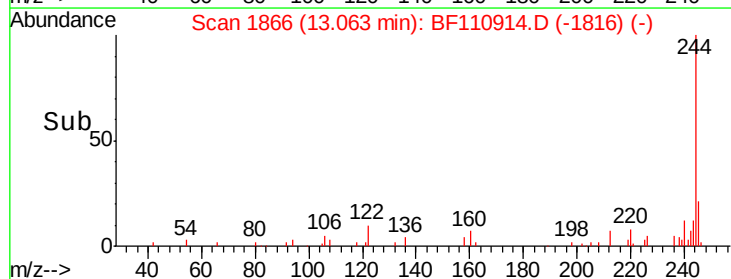
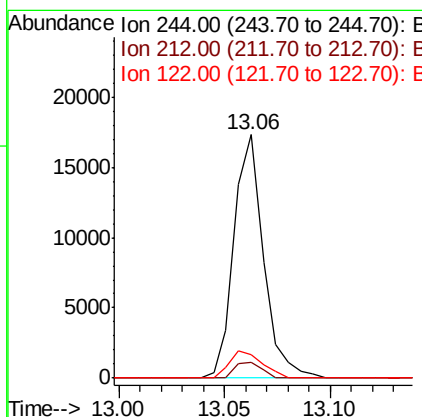
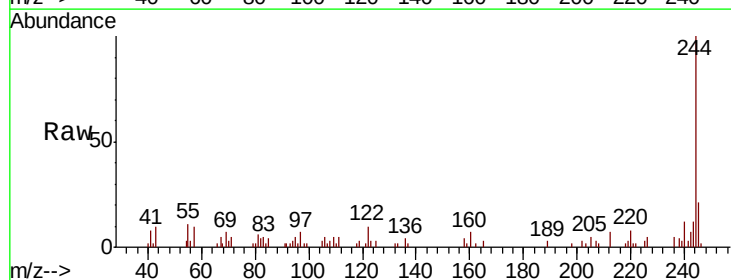
Instrument :
 BNA_F
 ClientSampleId :
 NON-UST-03R-CDL2

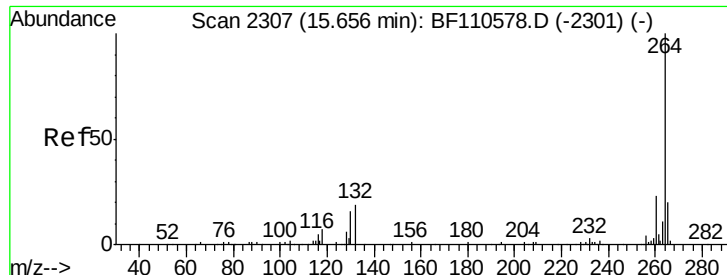
Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.3	12.5
236	25.3	21.2	31.8



#79
 Terphenyl-d14
 Concen: 2.425 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF110914.D
 Acq: 21 Nov 2018 1:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	9.8	8.7	13.1

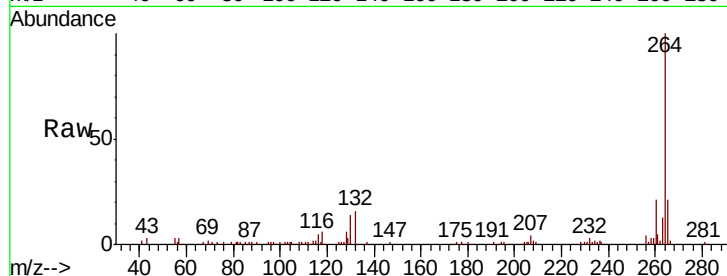




#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2310
 Delta R.T. 0.02 min
 Lab File: BF110914.D
 Acq: 21 Nov 2018 1:41

Instrument :
 BNA_F
 ClientSampleId :
 NON-UST-03R-CDL2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.5	18.7	28.1
265	20.6	16.7	25.1



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

