

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
 Data File : BF110896.D
 Acq On : 20 Nov 2018 16:06
 Operator : JU/SJ
 Sample : J6003-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NON-UST-05A

Manual Integrations
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 11/21/2018 3:17:53 PM

Quant Time: Nov 20 17:32:41 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	56551	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	226763	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	105182	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	170540	20.00	ng	0.00
76) Chrysene-d12	14.13	240	125564	20.00	ng	0.00
87) Perylene-d12	15.67	264	104696	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	400308	114.98	ng	0.00
7) Phenol-d6	6.57	99	505988	113.65	ng	0.00
23) Nitrobenzene-d5	7.50	82	318918	80.99	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	106976	100.94	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	557790	75.74	ng	0.00
79) Terphenyl-d14	13.06	244	406734	60.66	ng	-0.01
Target Compounds						
10) Phenol	6.58	94	23860	4.622	ng	Qvalue # 77
37) 2-Methylnaphthalene	8.94	142	43822	6.280	ng	100
38) 1-Methylnaphthalene	9.04	142	62777	9.354	ng	# 98
50) Dimethylphthalate	9.69	163	33840	4.312	ng	# 97
52) Acenaphthene	10.02	154	16752	2.604	ng	97
55) Dibenzofuran	10.19	168	23350	2.481	ng	# 97
58) Fluorene	10.53	166	38928	5.384	ng	# 93
71) Phenanthrene	11.50	178	174455	19.094	ng	98
72) Anthracene	11.56	178	41006m	4.449	ng	
75) Fluoranthene	12.70	202	133878	14.615	ng	98
78) Pyrene	12.93	202	118827	12.291	ng	97
81) Benzo(a)anthracene	14.12	228	50798	6.768	ng	98
83) Chrysene	14.16	228	44089	6.166	ng	97
86) Indeno(1,2,3-cd)pyrene	17.26	276	17408	3.393	ng	98
88) Benzo(b)fluoranthene	15.21	252	52217m	8.337	ng	
89) Benzo(k)fluoranthene	15.24	252	21235m	3.431	ng	
90) Benzo(a)pyrene	15.60	252	36428	6.401	ng	# 96
92) Benzo(g,h,i)perylene	17.74	276	14589	3.053	ng	98

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

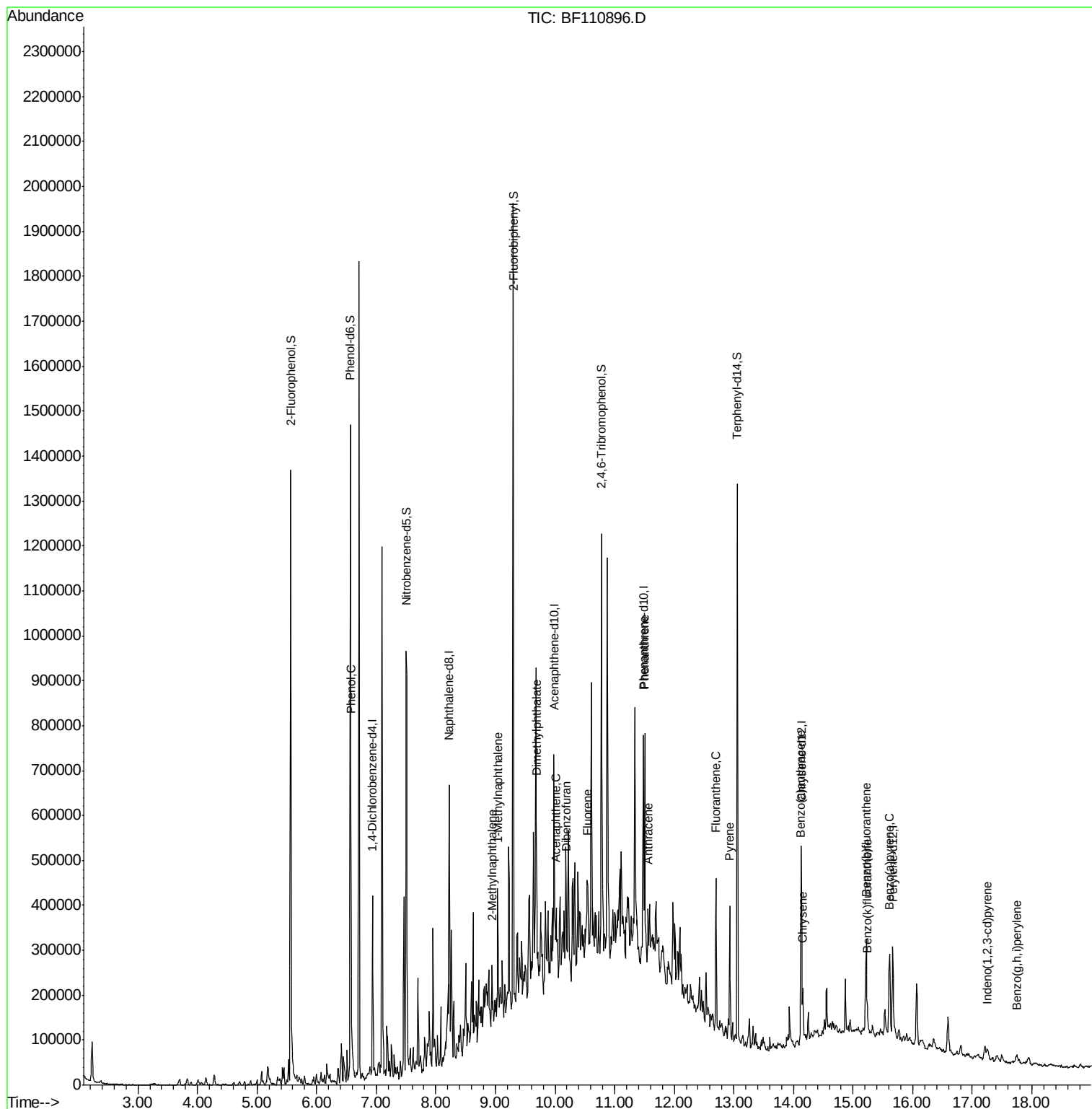
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
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ALS Vial : 12 Sample Multiplier: 1

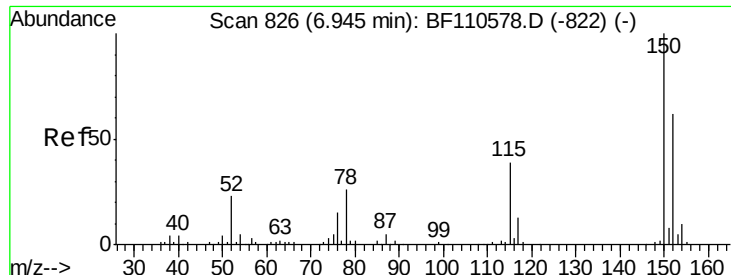
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

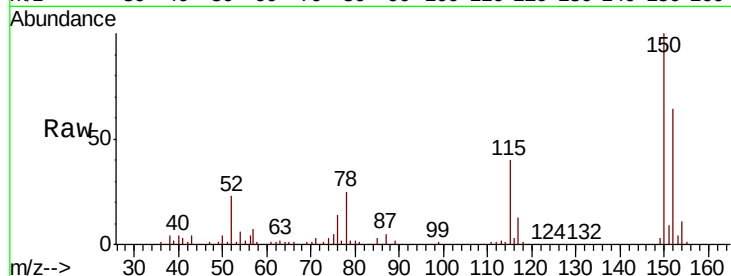
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Instrument :
BNA_F
ClientSampleId :
NON-UST-05A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	122.7	184.1
115	62.7	49.1	73.7

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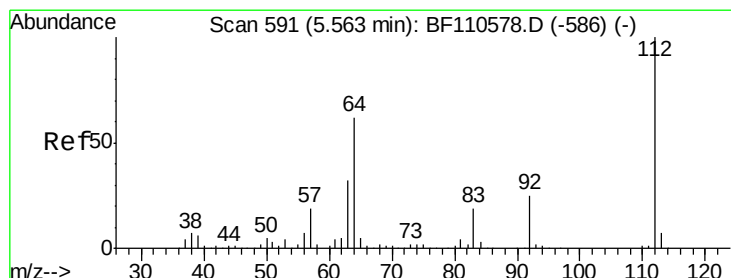
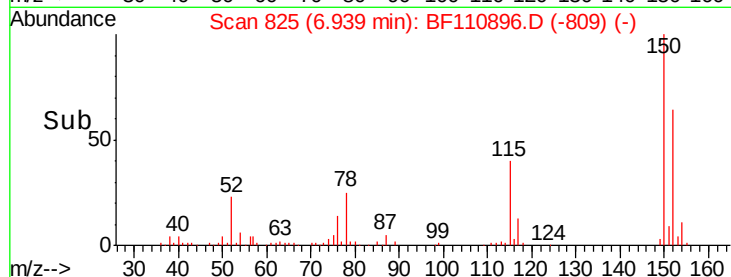
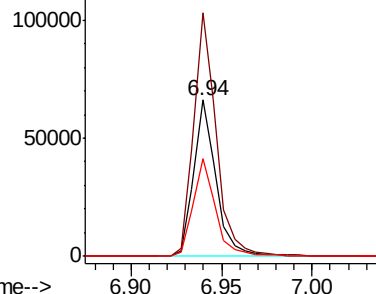


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

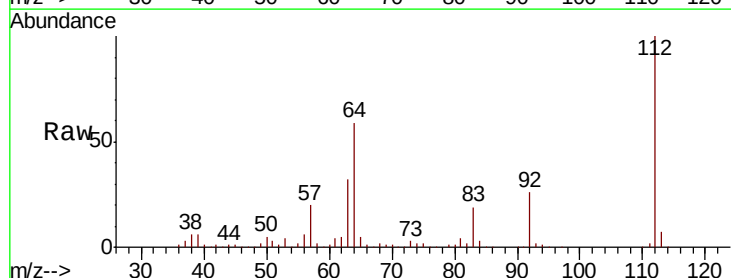
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 114.981 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	44.1	66.1
63	32.1	23.7	35.5

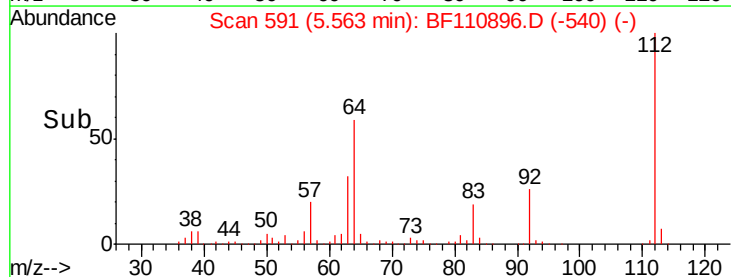
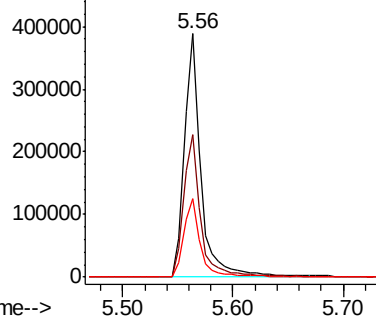


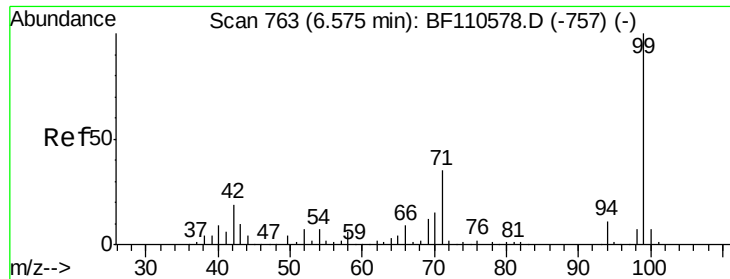
Abundance

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: 113.653 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Instrument :

BNA_F

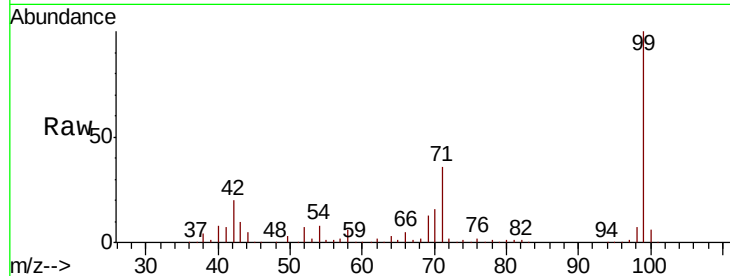
ClientSampleId :

NON-UST-05A

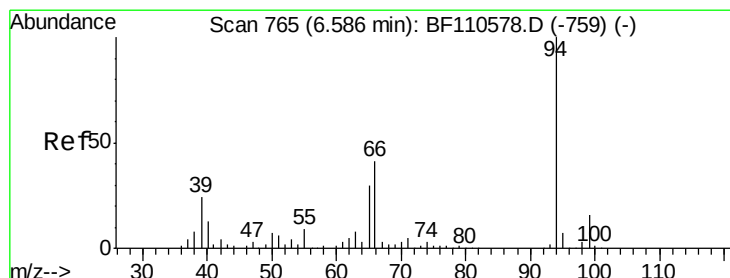
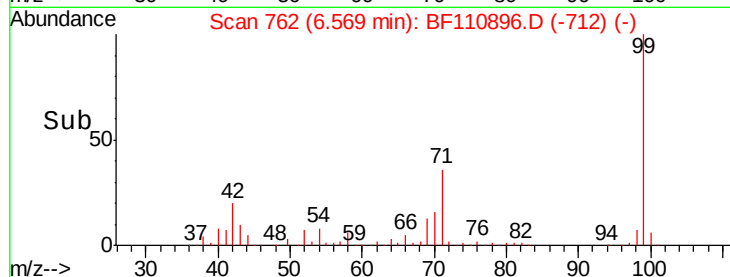
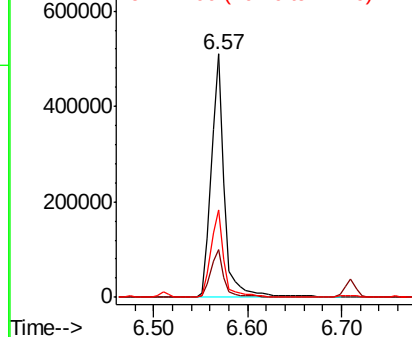
Tot Ion:	99	Resp:	505988
Ion Ratio	Lower	Upper	
99	100		
42	19.6	15.8	23.6
71	35.7	28.0	42.0

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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



#10

Phenol

Concen: 4.622 ng

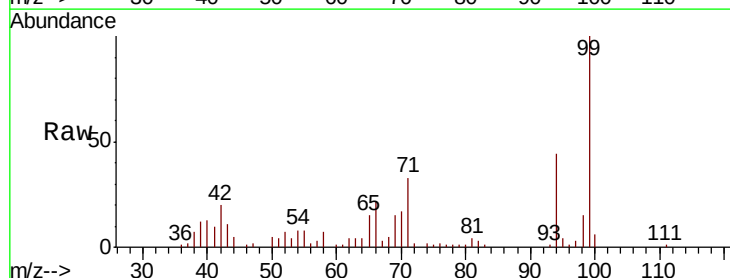
RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

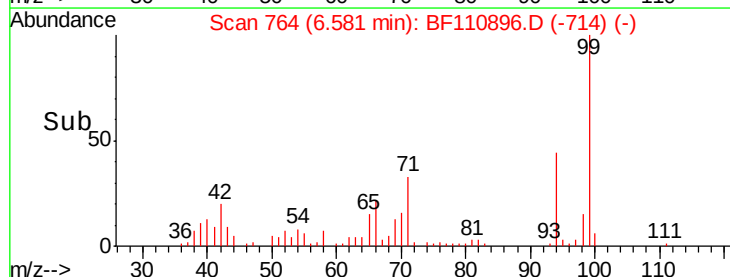
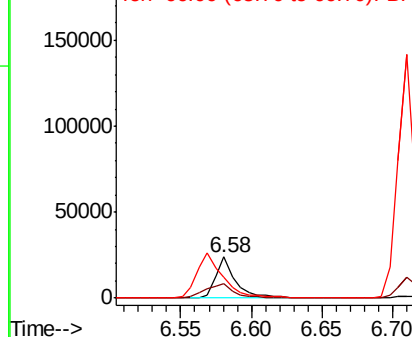
Lab File: BF110896.D

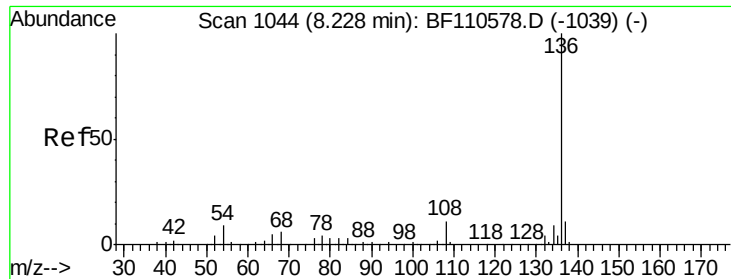
Acq: 20 Nov 2018 16:06

Tgt Ion:	94	Resp:	23860
Ion Ratio	Lower	Upper	
94	100		
65	34.8	25.3	65.3
66	50.8	54.5	94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Instrument :

BNA_F

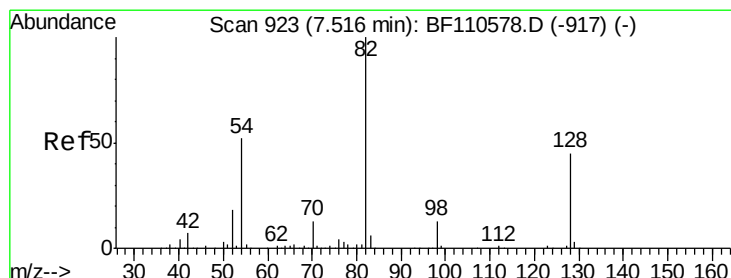
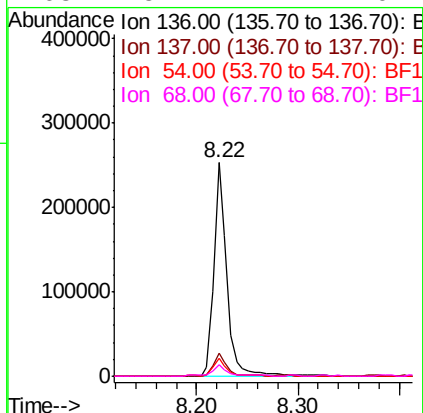
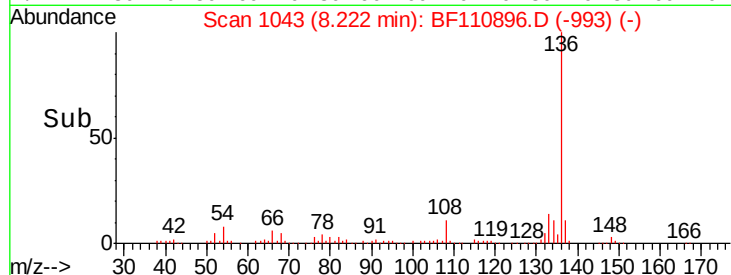
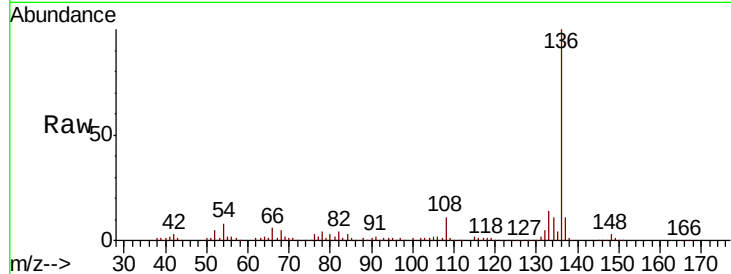
ClientSampleId :

NON-UST-05A

Tot Ion	Ratio	Resp	Lower	Upper
136	100	226763		
137	10.7	8.8	13.2	
54	8.2	5.4	8.2#	
68	5.4	4.2	6.2	

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#23

Nitrobenzene-d5

Concen: 80.994 ng

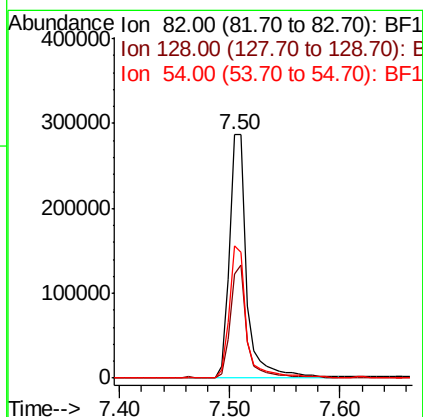
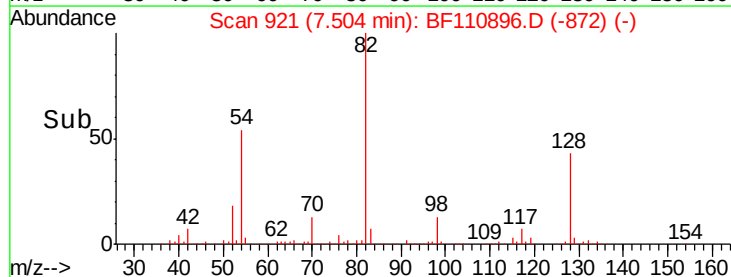
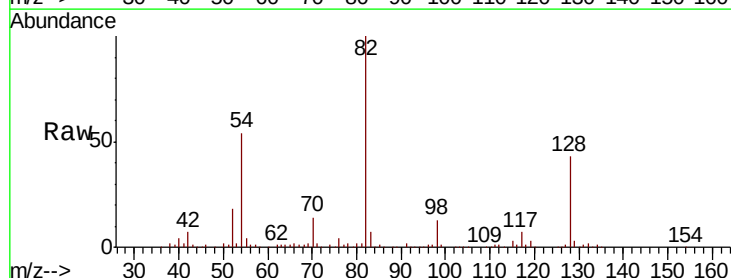
RT: 7.50 min Scan# 921

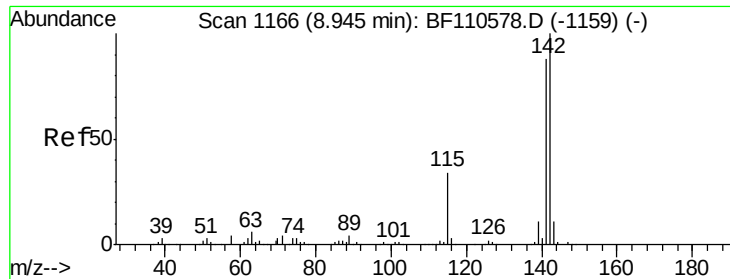
Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	318918		
128	42.6	34.2	51.2	
54	54.3	38.6	58.0	





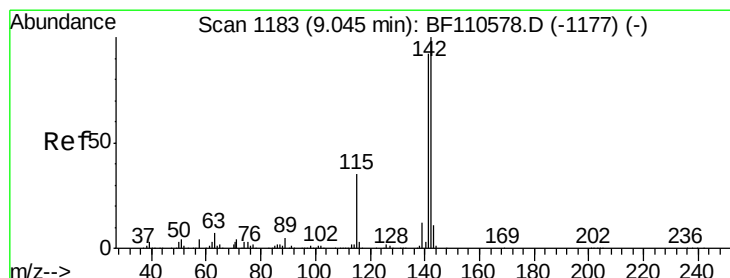
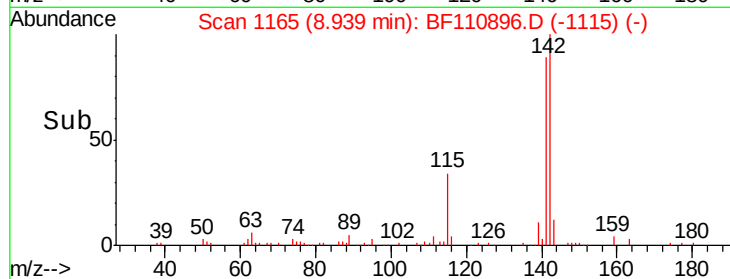
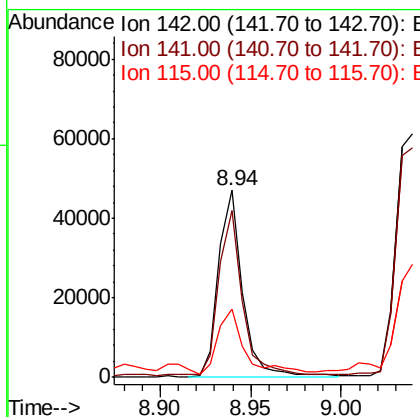
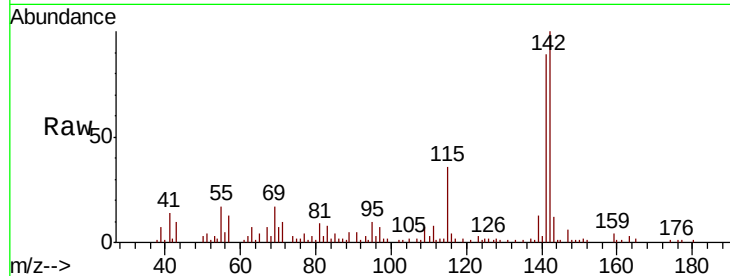
#37
2-Methylnaphthalene
Concen: 6.280 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Instrument :
BNA_F
ClientSampleId :
NON-UST-05A

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.4	107.2
115	36.3	28.7	43.1

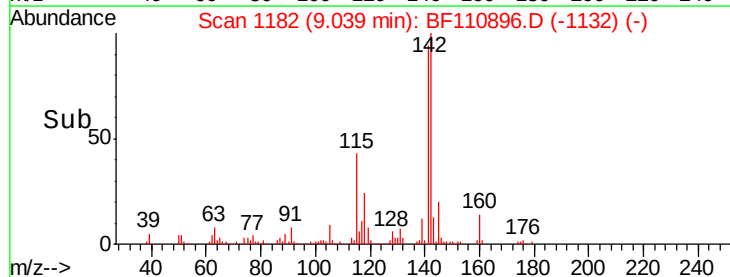
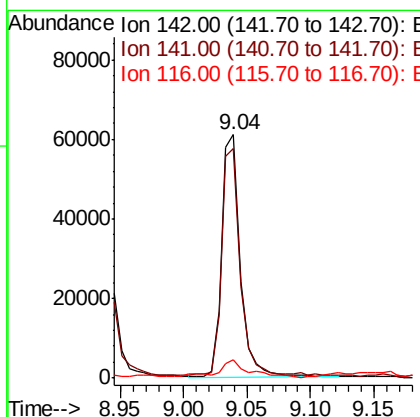
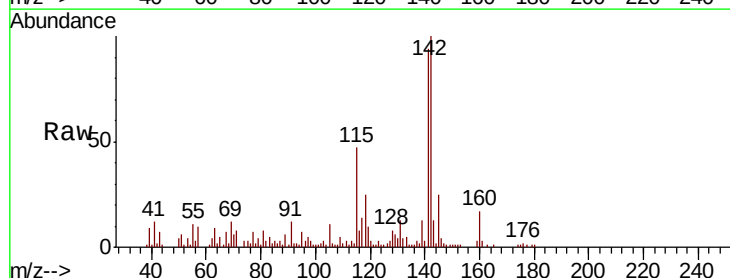
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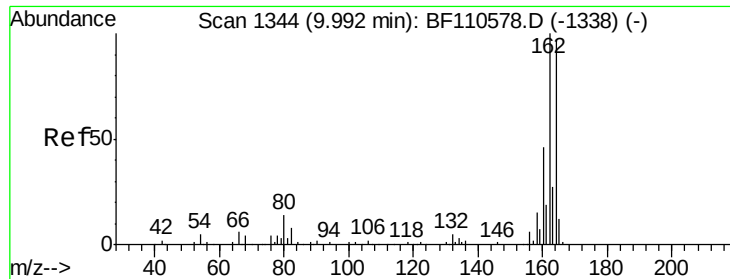
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#38
1-Methylnaphthalene
Concen: 9.354 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.1	74.2	111.4
116	7.7	2.6	4.0#





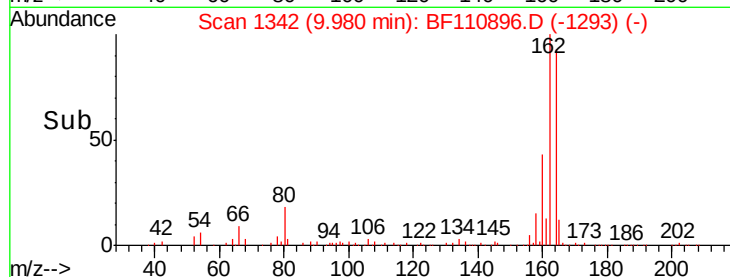
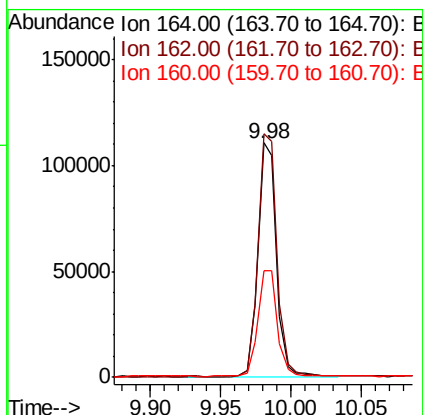
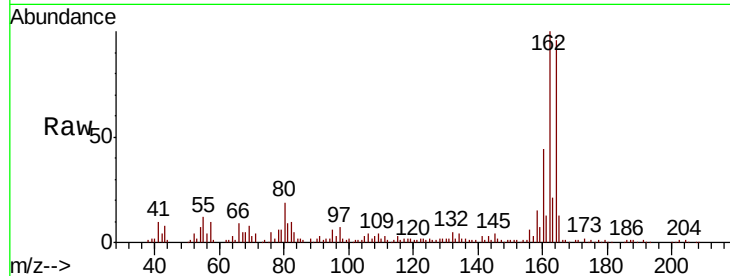
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Instrument :
BNA_F
ClientSampleId :
NON-UST-05A

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.8	83.0	124.6	
160	45.5	37.0	55.6	

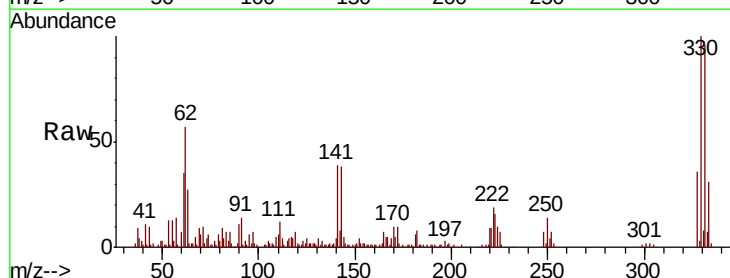
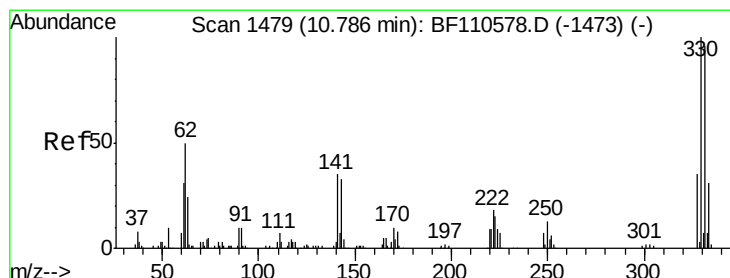
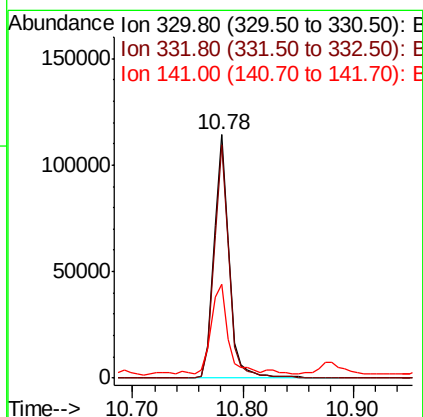
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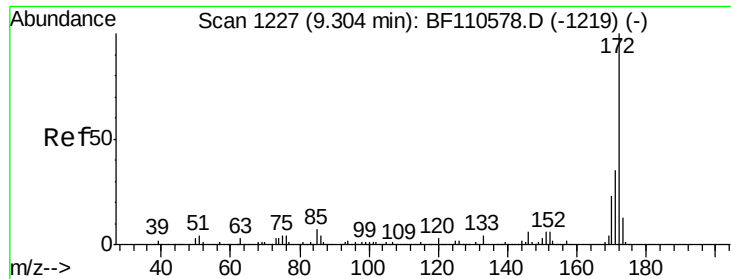
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#42
2,4,6-Tribromophenol
Concen: 100.936 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	77.1	115.7	
141	42.6	27.0	40.4	





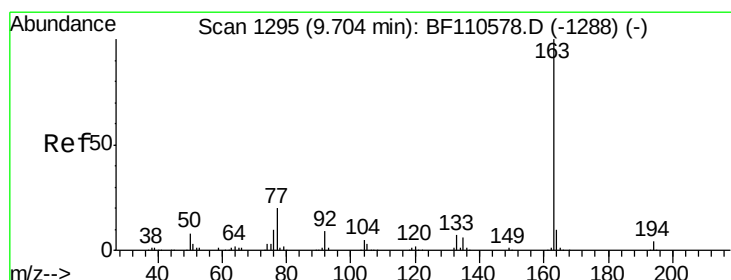
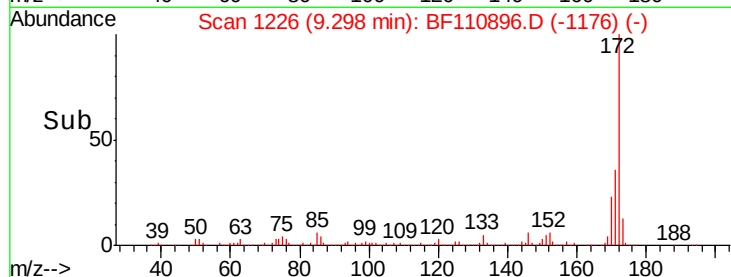
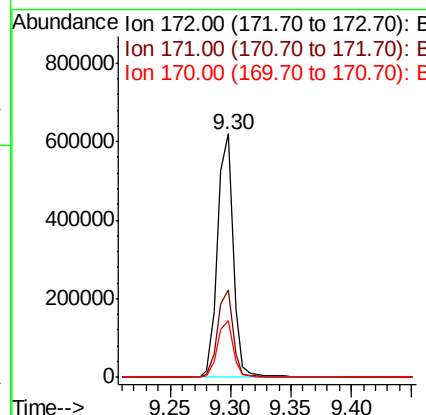
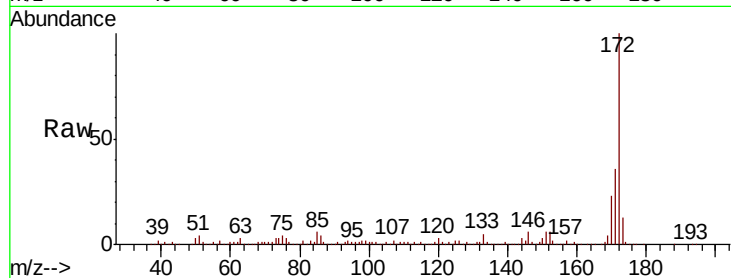
#45
2-Fluorobiphenyl
Concen: 75.738 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Instrument :
BNA_F
ClientSampleId :
NON-UST-05A

Tot Ion	Ratio	Resp	Lower	Upper
172	100	557790		
171	36.0		28.6	43.0
170	23.3		19.7	29.5

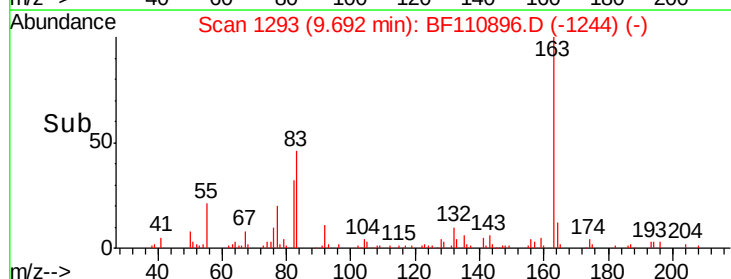
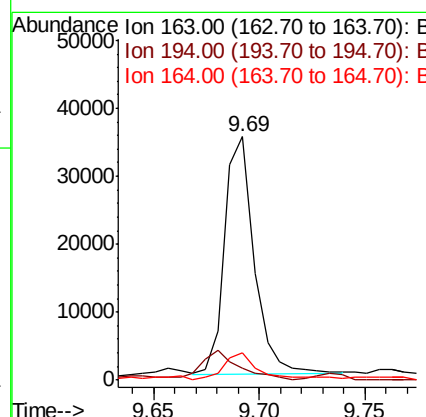
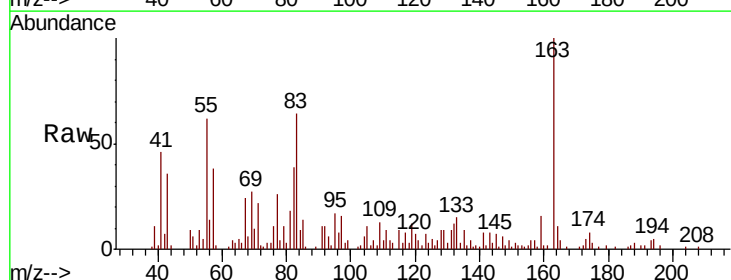
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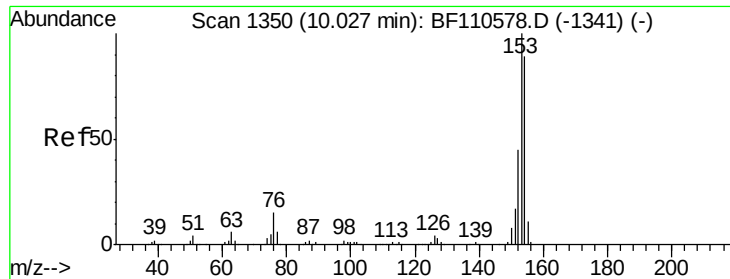
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#50
Dimethylphthalate
Concen: 4.312 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	33840		
194	4.8		3.2	4.8#
164	11.3		8.1	12.1





#52

Acenaphthene

Concen: 2.604 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Instrument :

BNA_F

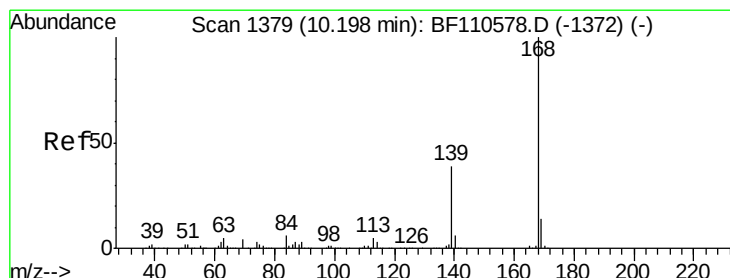
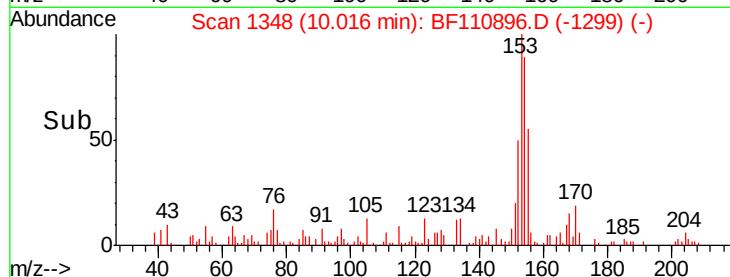
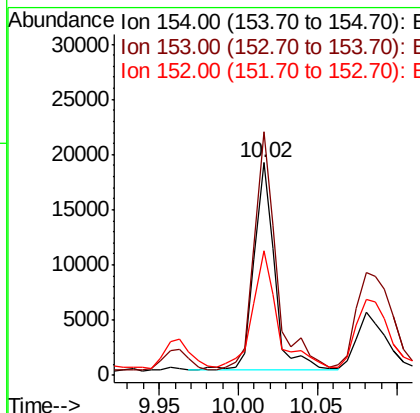
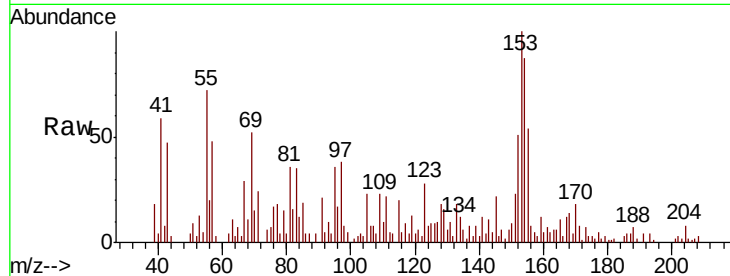
ClientSampleId :

NON-UST-05A

Tot Ion:	154	Resp:	16752
Ion Ratio	Lower	Upper	
154	100		
153	114.4	90.1	135.1
152	58.5	43.4	65.2

Manual Integrations
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#55

Dibenzofuran

Concen: 2.481 ng

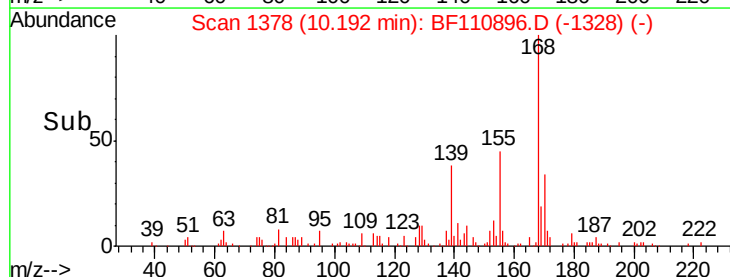
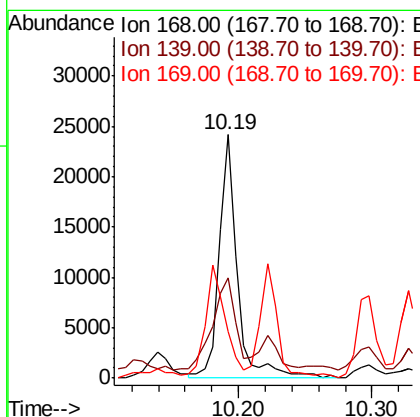
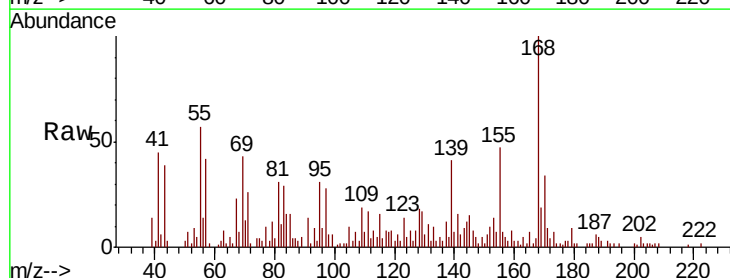
RT: 10.19 min Scan# 1378

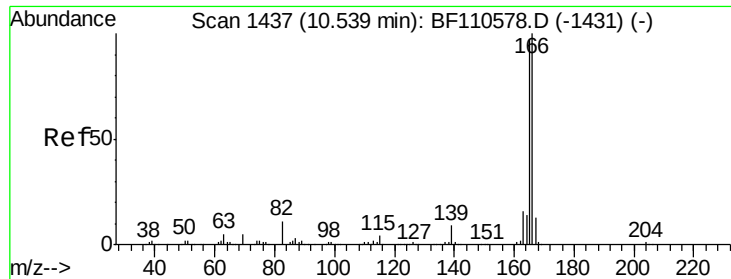
Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Tgt Ion:	168	Resp:	23350
Ion Ratio	Lower	Upper	
168	100		
139	41.4	33.0	49.6
169	19.0	11.3	16.9#





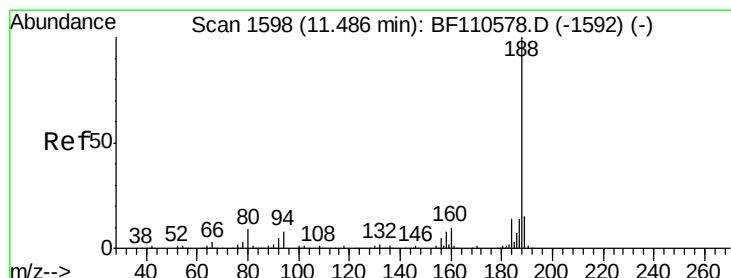
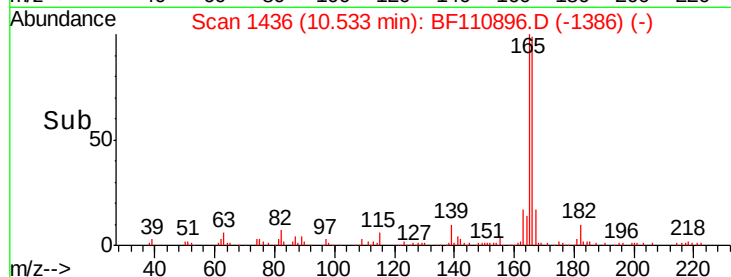
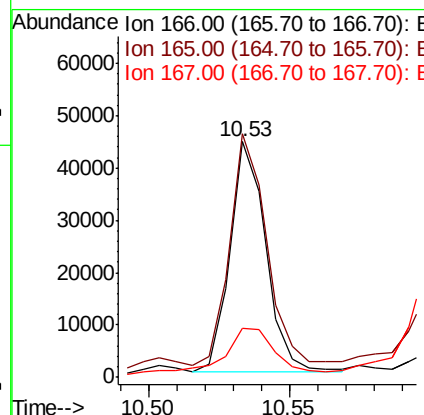
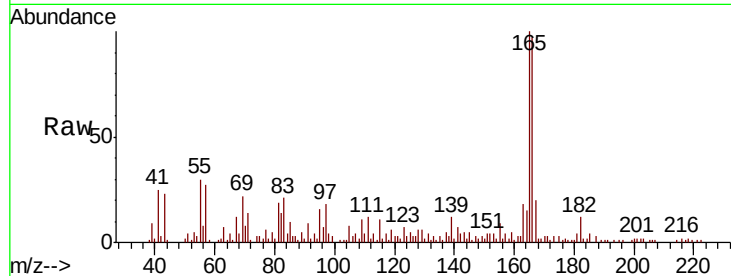
#58
Fluorene
Concen: 5.384 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Instrument :
BNA_F
ClientSampleId :
NON-UST-05A

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.3	78.6	117.8
167	20.7	10.8	16.2

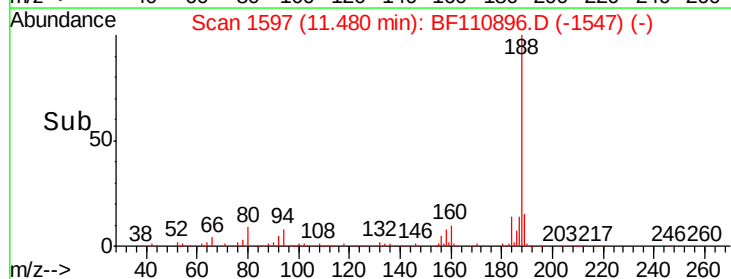
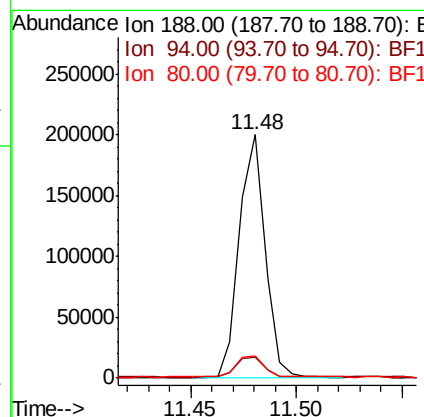
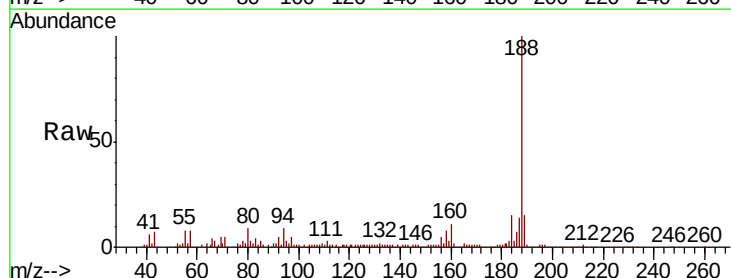
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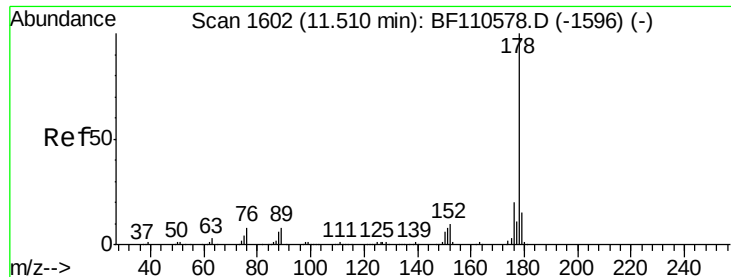
Sohil
11/21/2018 3:17:53 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.2	10.8
80	9.1	7.9	11.9





#71

Phenanthrene

Concen: 19.094 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Instrument :

BNA_F

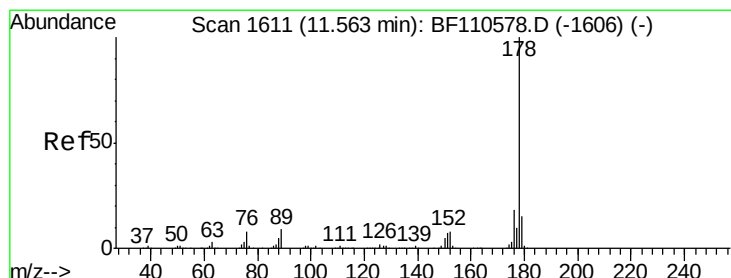
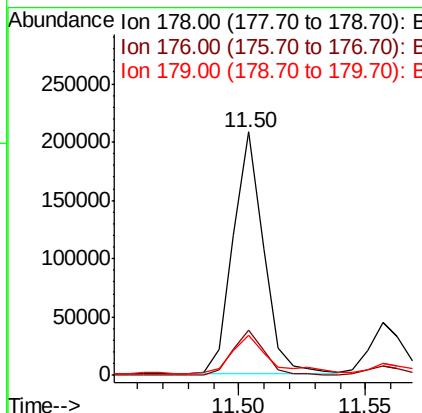
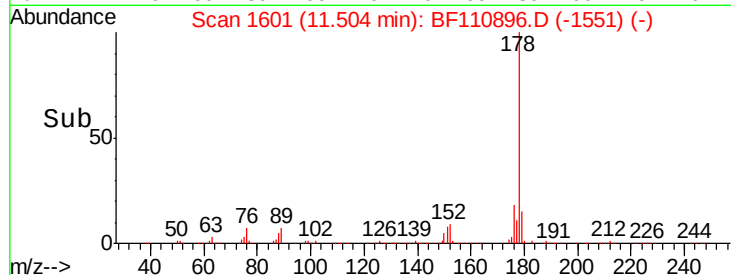
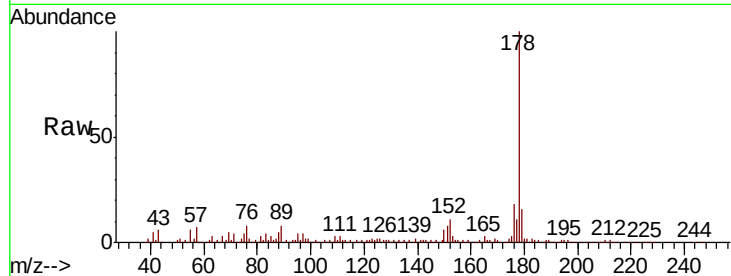
ClientSampleId :

NON-UST-05A

Tot Ion:178	Resp:	174455
Ion Ratio	Lower	Upper
178	100	
176	18.3	15.5 23.3
179	16.3	12.5 18.7

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#72

Anthracene

Concen: 4.449 ng m

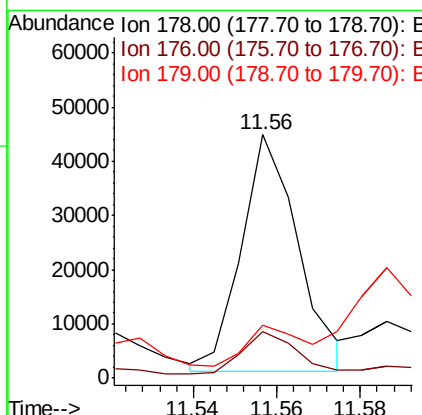
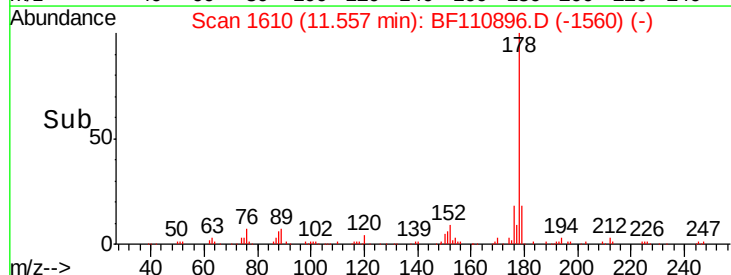
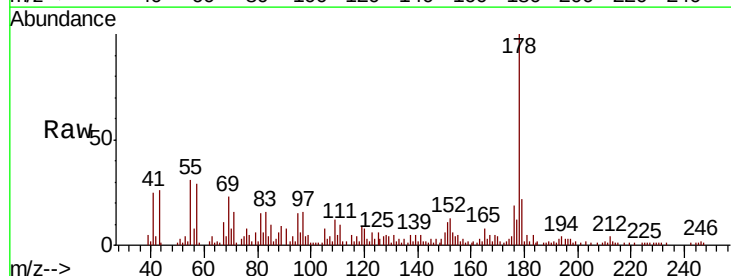
RT: 11.56 min Scan# 1610

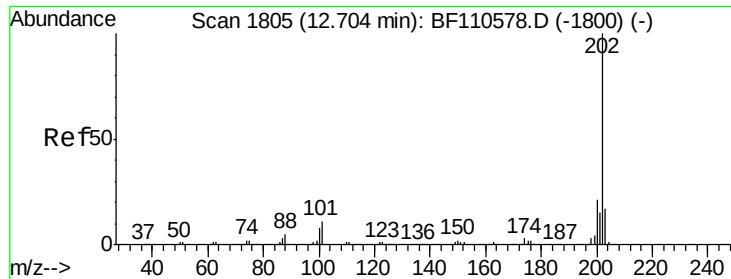
Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Tgt Ion:178	Resp:	41006
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.4 23.2
179	21.7	12.6 18.8#





#75

Fluoranthene

Concen: 14.615 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Instrument :

BNA_F

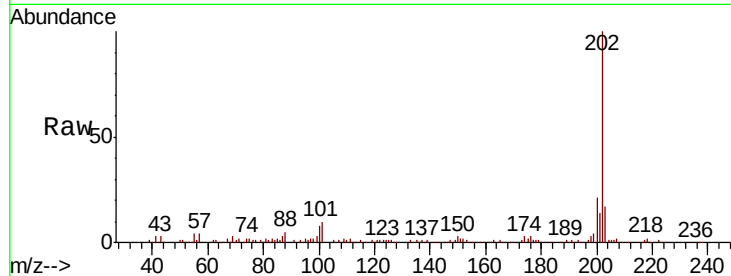
ClientSampleId :

NON-UST-05A

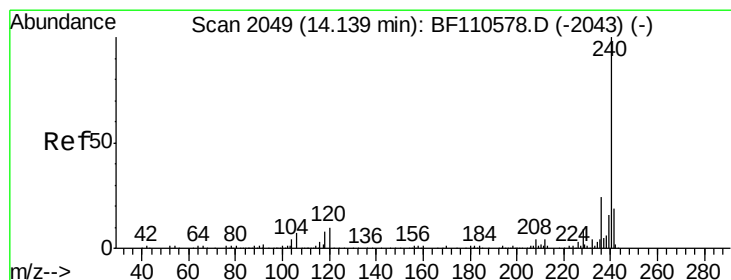
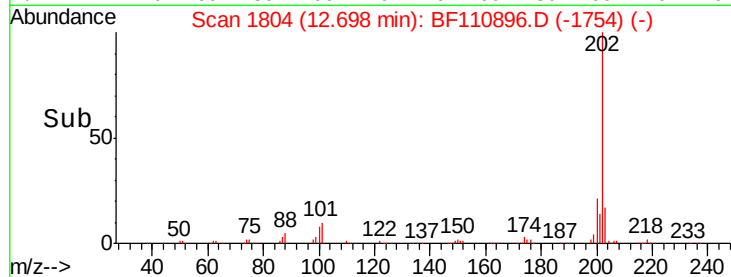
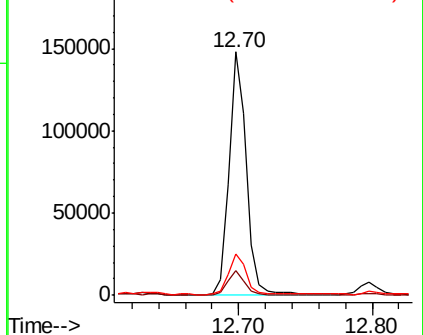
Tot Ion	Ratio	Resp	Lower	Upper
202	100	133878		
101	10.3	0.0	31.4	
203	17.2	0.0	37.7	

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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

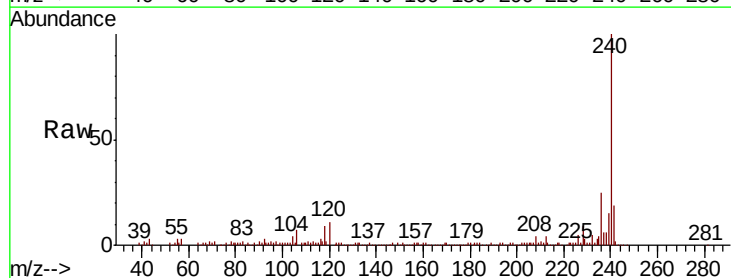
RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

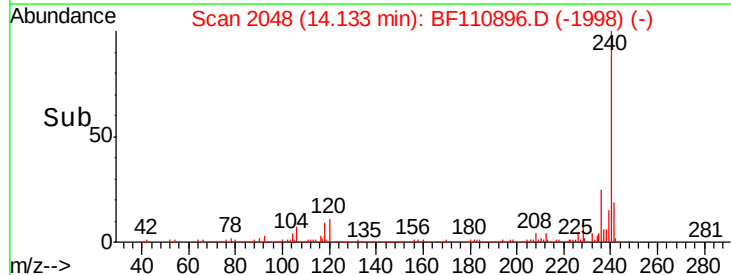
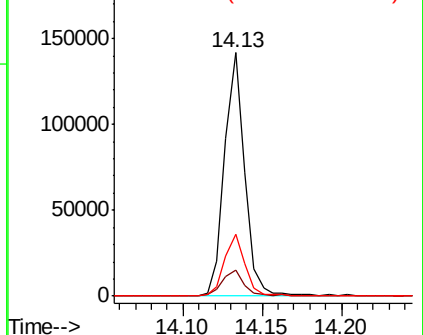
Lab File: BF110896.D

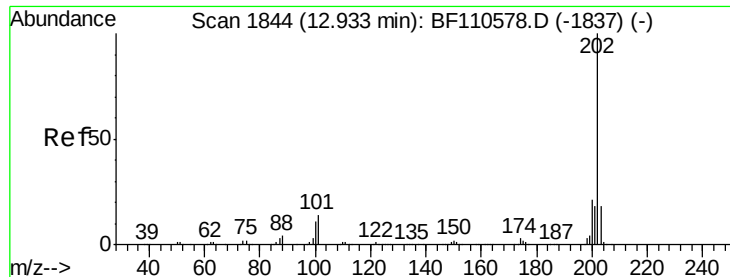
Acq: 20 Nov 2018 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	125564		
120	10.8	8.3	12.5	
236	25.4	21.2	31.8	



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





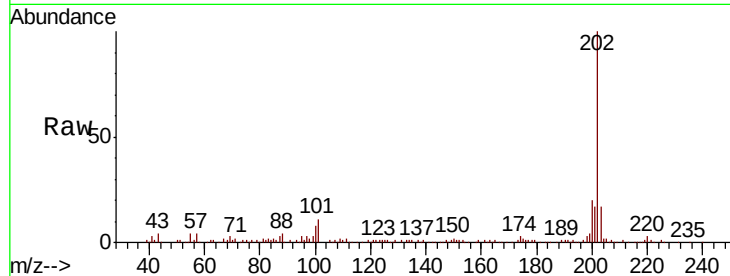
#78
Pvrene
Concen: 12.291 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Instrument :
BNA_F
ClientSampleId :
NON-UST-05A

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.8	26.6
203	17.4	14.2	21.4

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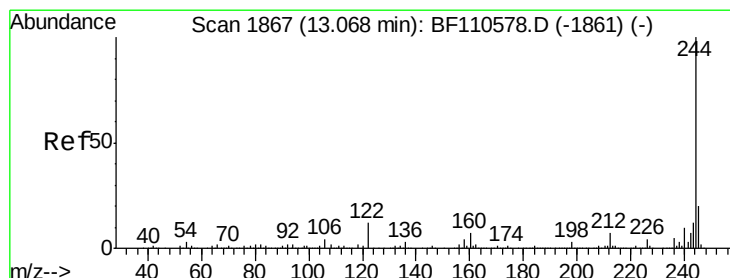
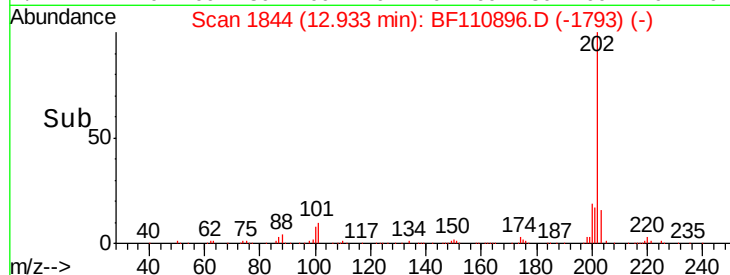
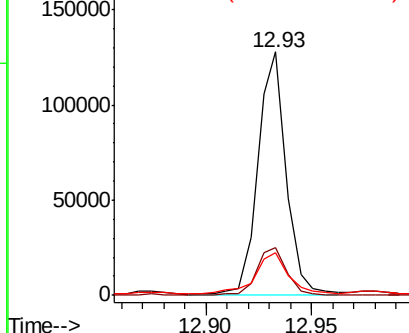


Abundance

Ion 202.00 (201.70 to 202.70): E

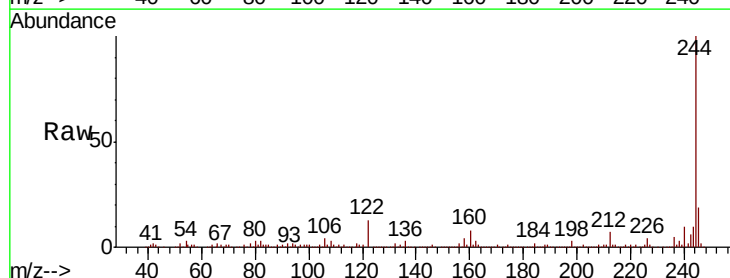
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 60.664 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	12.6	8.7	13.1

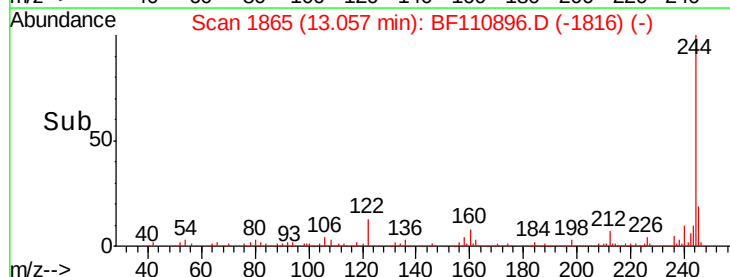
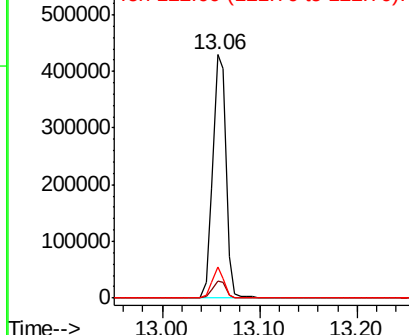


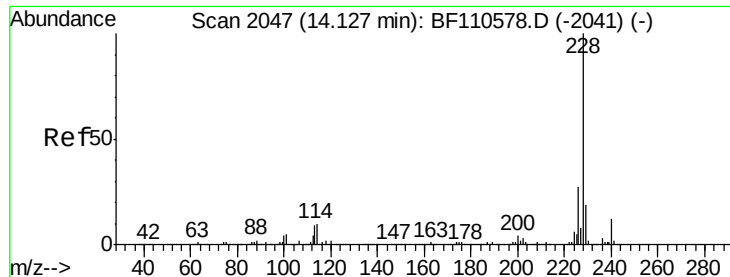
Abundance

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: 6.768 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Instrument :

BNA_F

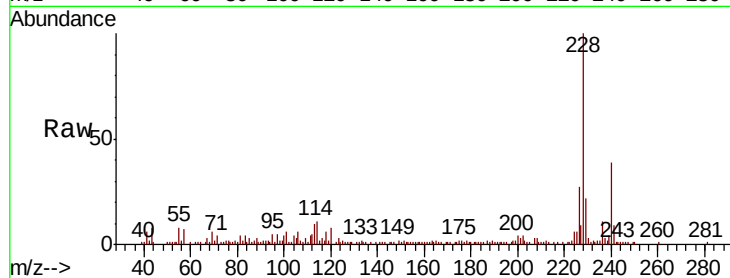
ClientSampleId :

NON-UST-05A

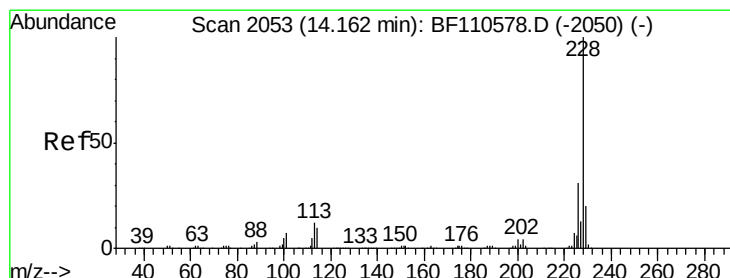
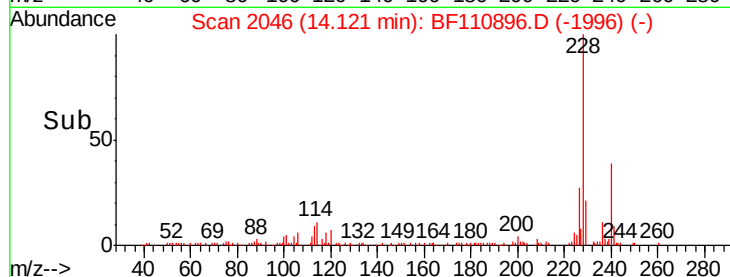
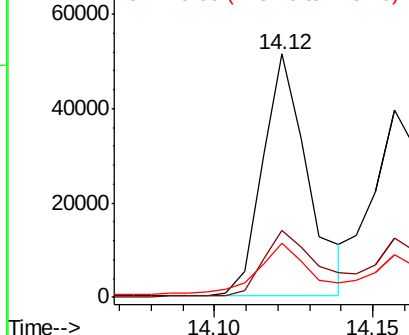
Tot Ion:	228	Resp:	50798
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.1	33.1
229	22.0	15.6	23.4

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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: 6.166 ng

RT: 14.16 min Scan# 2052

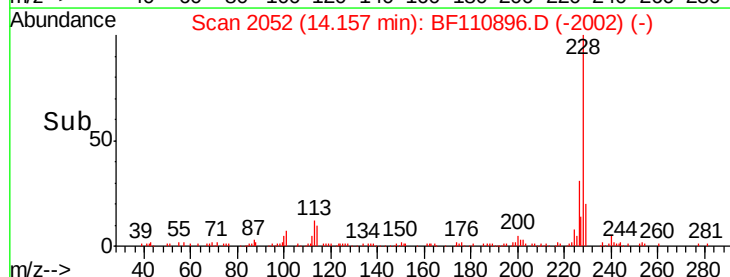
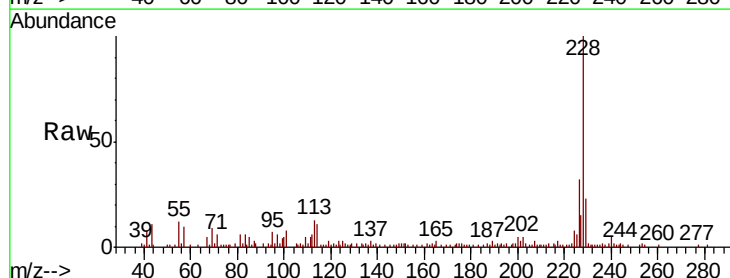
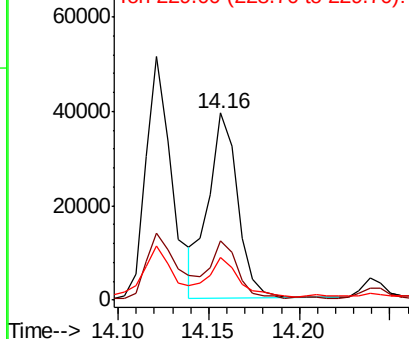
Delta R.T. -0.01 min

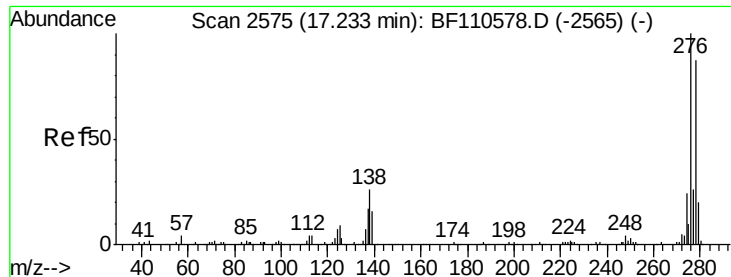
Lab File: BF110896.D

Acq: 20 Nov 2018 16:06

Tgt Ion:	228	Resp:	44089
Ion Ratio	Lower	Upper	
228	100		
226	31.9	24.7	37.1
229	22.6	15.9	23.9

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





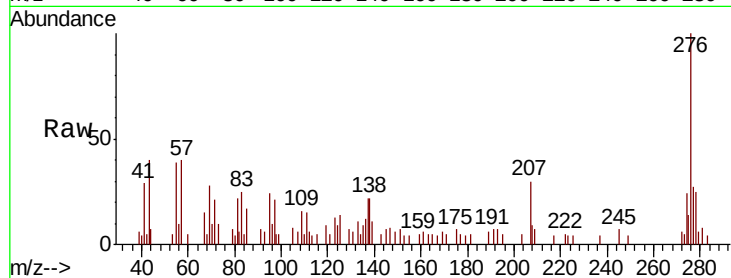
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.393 ng
RT: 17.26 min Scan# 2579
Delta R.T. 0.02 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Instrument :
BNA_F
ClientSampleId :
NON-UST-05A

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.5	27.7
277	26.8	20.0	30.0

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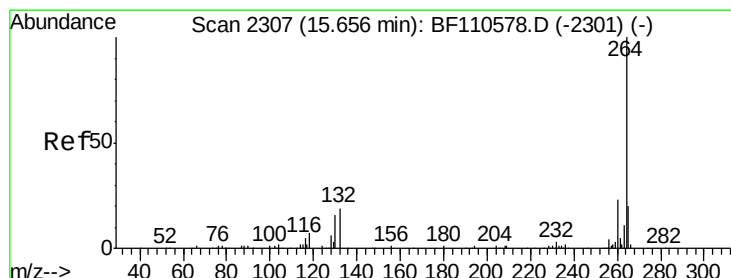
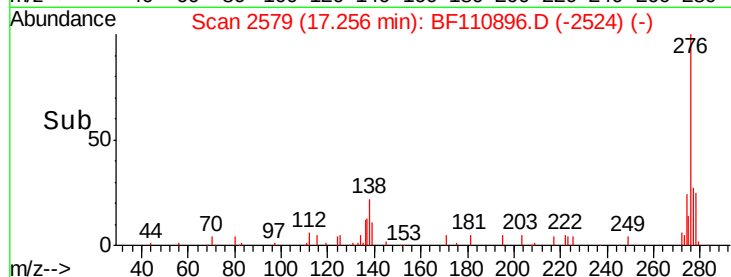
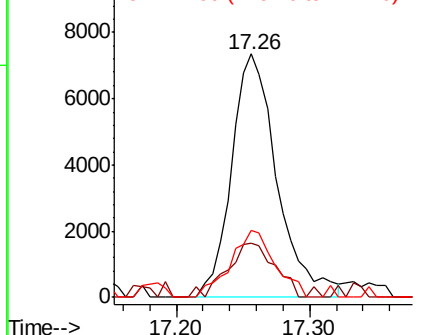


Abundance

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: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

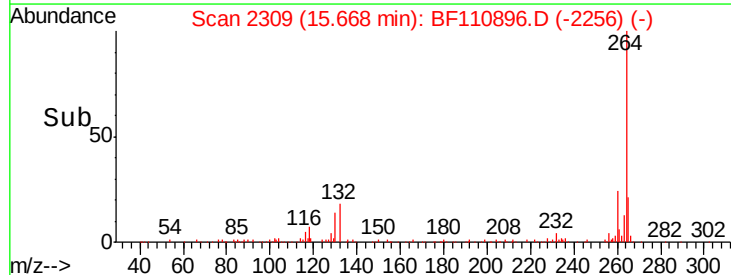
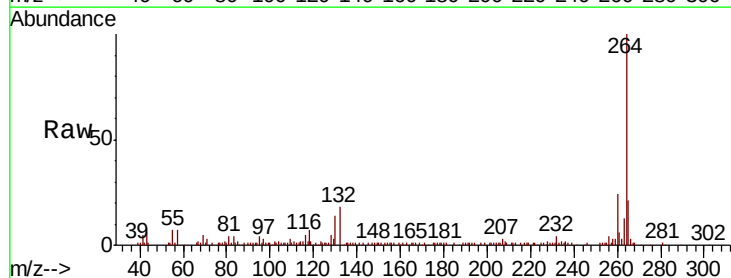
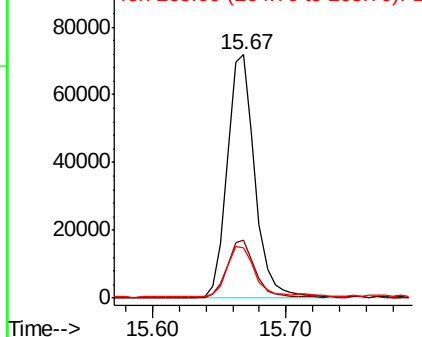
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	20.5	16.7	25.1

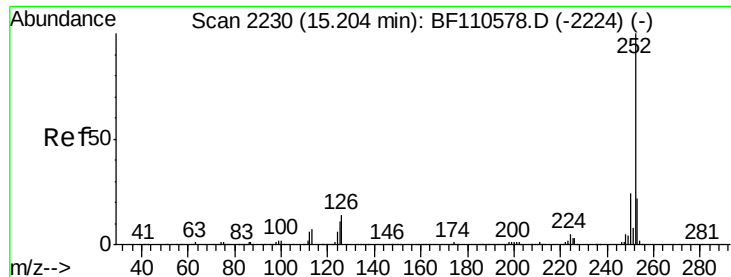
Abundance

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





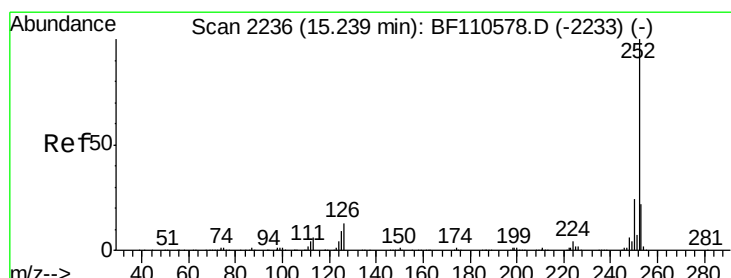
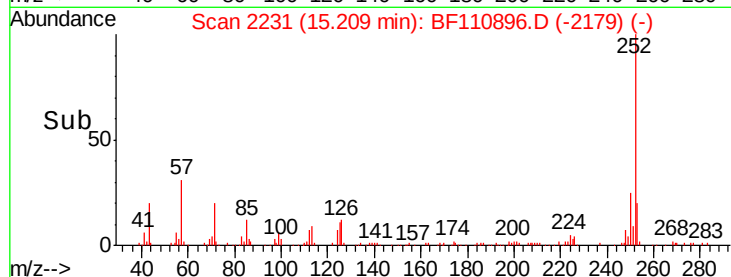
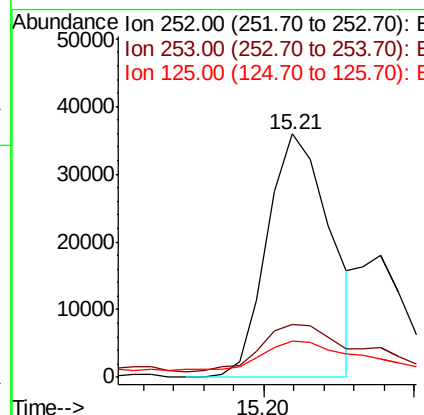
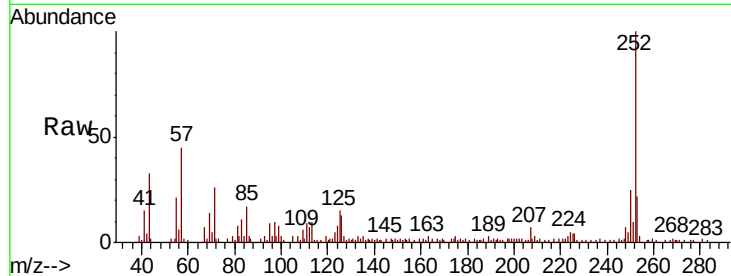
#88
Benzo(b)fluoranthene
Concen: 8.337 ng m
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Instrument :
BNA_F
ClientSampleId :
NON-UST-05A

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	14.9	8.2	12.4

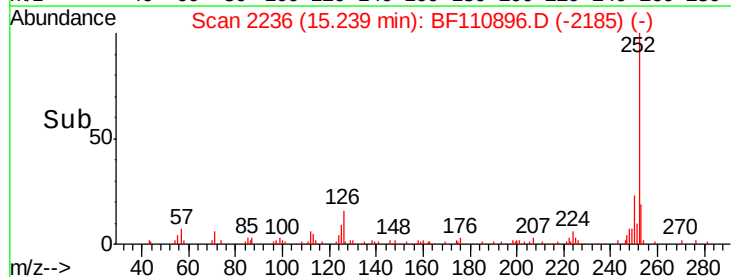
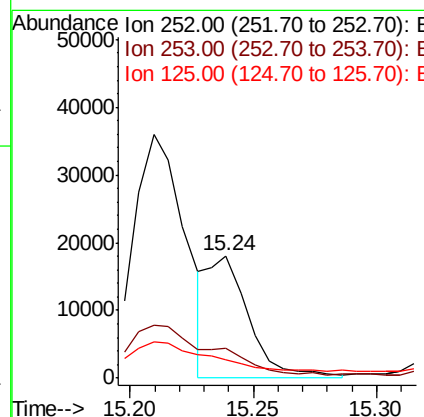
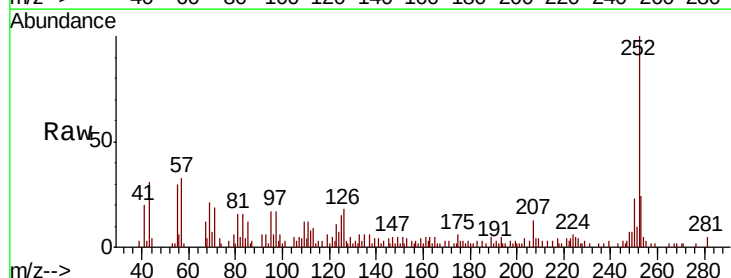
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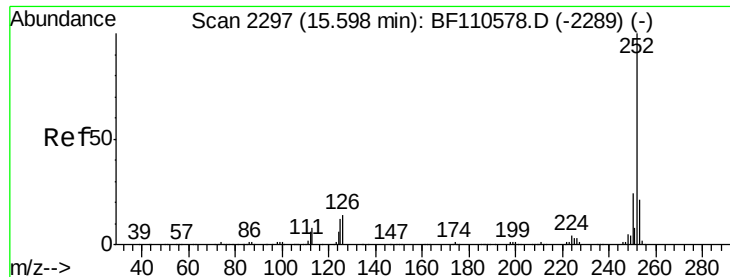
Sohil
11/21/2018 3:17:53 PM



#89
Benzo(k)fluoranthene
Concen: 3.431 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	15.3	7.4	11.0





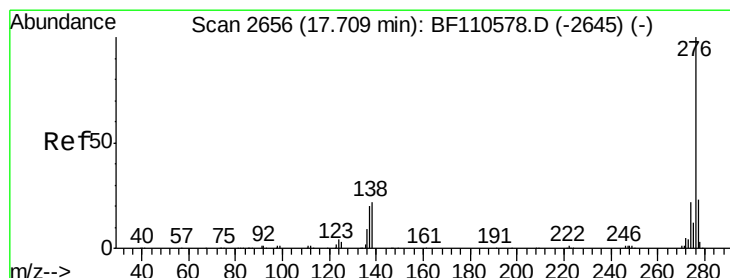
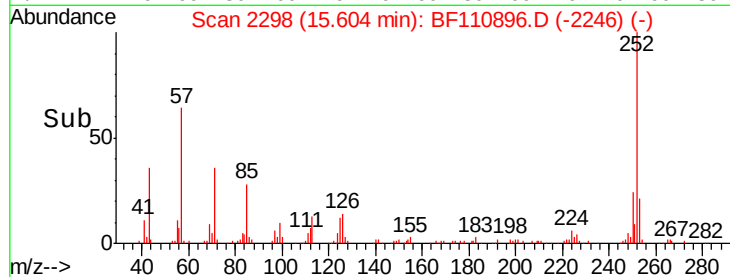
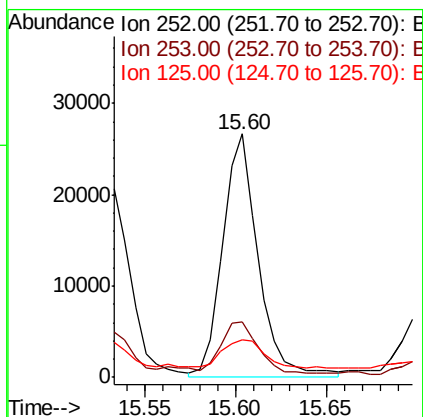
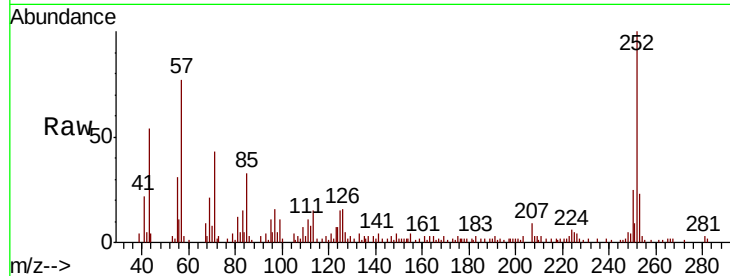
#90
Benzo(a)pyrene
Concen: 6.401 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Instrument :
BNA_F
ClientSampleId :
NON-UST-05A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	15.3	9.0	13.6

Manual Integrations
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11/21/2018 3:17:53 PM



#92
Benzo(g,h,i)perylene
Concen: 3.053 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.04 min
Lab File: BF110896.D
Acq: 20 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	21.6	16.0	24.0

