

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100818\
 Data File : BF109679.D
 Acq On : 9 Oct 2018 6:33
 Operator : JU/SJ
 Sample : J5293-03 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VW-CONCRETE-FLOOR

Manual Integrations
 APPROVED

Sohil
 10/9/2018 2:57:57 PM

Quant Time: Oct 09 08:38:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	76539	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	307669	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	116826	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	191678	20.00	ng	0.00
75) Chrysene-d12	13.86	240	132345	20.00	ng	0.02
86) Perylene-d12	15.26	264	131248	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	17369	4.03	ng	0.00
7) Phenol-d6	6.36	99	49883	8.66	ng	0.00
23) Nitrobenzene-d5	7.26	82	39593	7.09	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	10627	8.35	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	79402	9.36	ng	0.00
78) Terphenyl-d14	12.79	244	55776	8.16	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.59	152	36124	3.169	ng	97
51) Acenaphthene	9.76	154	34031	5.036	ng	97
54) Dibenzofuran	9.93	168	74382	7.343	ng	96
57) Fluorene	10.27	166	19556	2.585	ng	# 96
70) Phenanthrene	11.23	178	1295522	135.058	ng	99
71) Anthracene	11.28	178	85079m	8.580	ng	
72) Carbazole	11.44	167	113040	11.754	ng	# 94
74) Fluoranthene	12.43	202	1903390	189.941	ng	97
77) Pyrene	12.66	202	1706319	175.973	ng	99
80) Benzo(a)anthracene	13.84	228	465583	63.749	ng	97
82) Chrysene	13.88	228	408288	53.223	ng	97
85) Indeno(1,2,3-cd)pyrene	16.60	276	102069	18.589	ng	# 91
87) Benzo(b)fluoranthene	14.87	252	435608m	60.059	ng	
88) Benzo(k)fluoranthene	14.89	252	140776m	19.318	ng	
89) Benzo(a)pyrene	15.20	252	105738	16.065	ng	# 80
90) Dibenzo(a,h)anthracene	16.60	278	31125	5.758	ng	# 78
91) Benzo(a,h,i)perylene	17.00	276	85205	15.785	ng	98

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

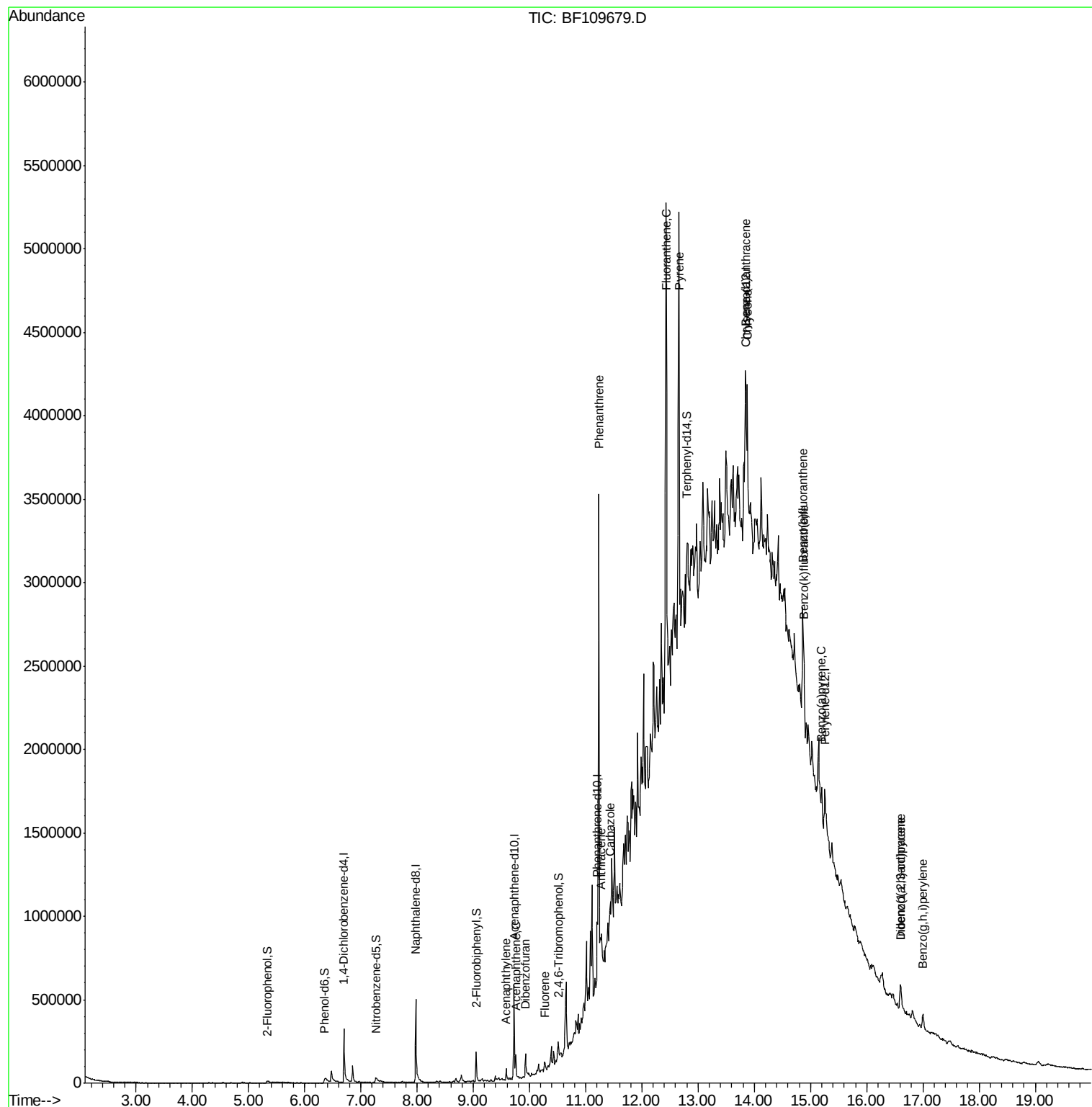
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100818\
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ALS Vial : 28 Sample Multiplier: 1

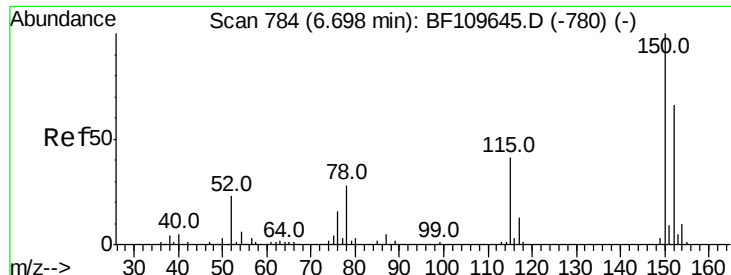
Instrument :
BNA_F
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VW-CONCRETE-FLOOR

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
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#1

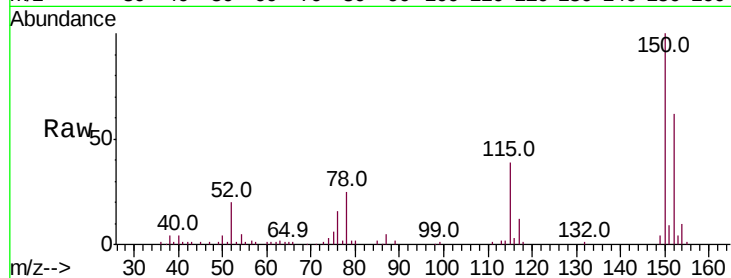
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF109679.D
Acq: 9 Oct 2018 6:33

Instrument :
BNA_F
ClientSampleId :
VW-CONCRETE-FLOOR

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.7	122.7	184.1
115	62.5	49.1	73.7

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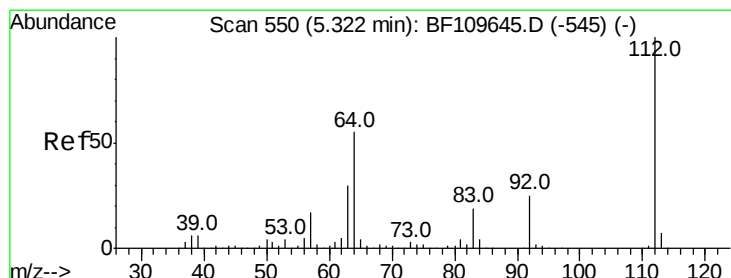
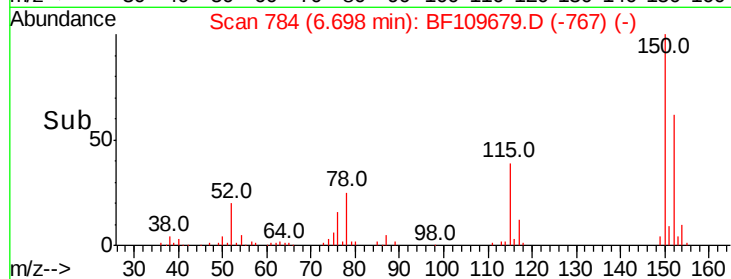
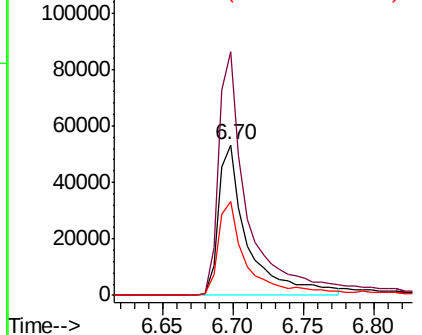


Abundance

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: 4.028 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109679.D
Acq: 9 Oct 2018 6:33

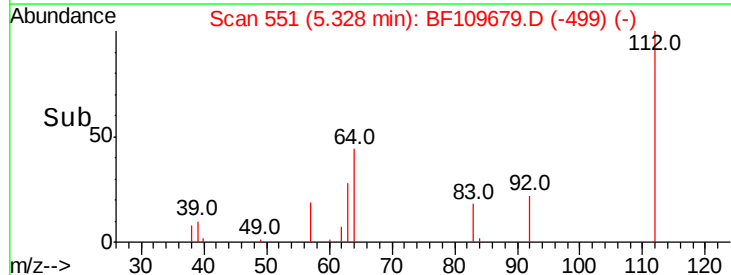
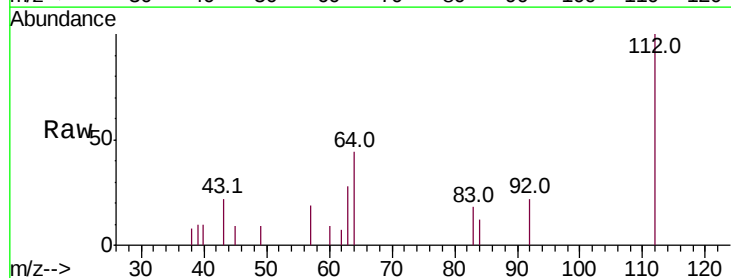
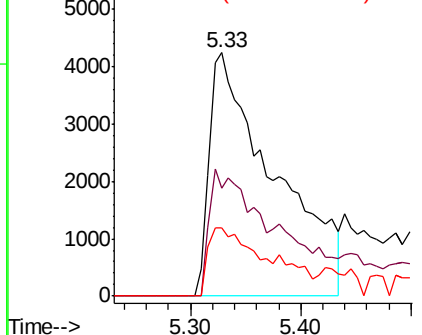
Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.3	44.1	66.1
63	27.9	23.7	35.5

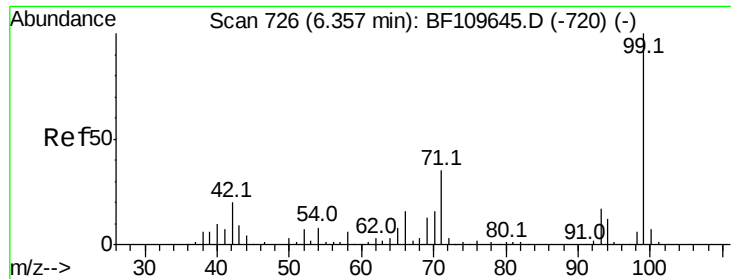
Abundance

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: 8.660 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF109679.D

Acq: 9 Oct 2018 6:33

Instrument :

BNA_F

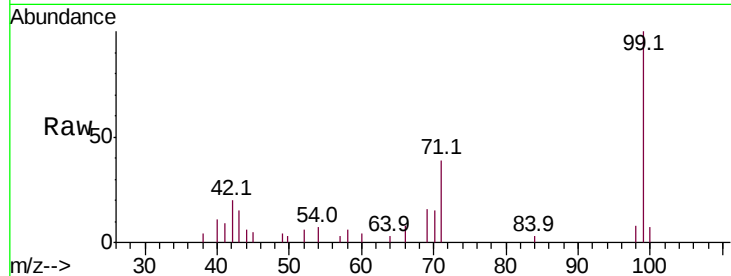
ClientSampleId :

VW-CONCRETE-FLOOR

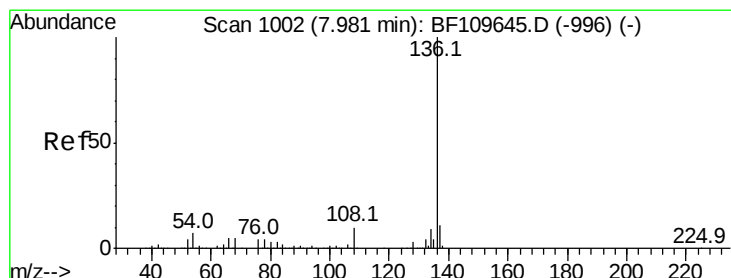
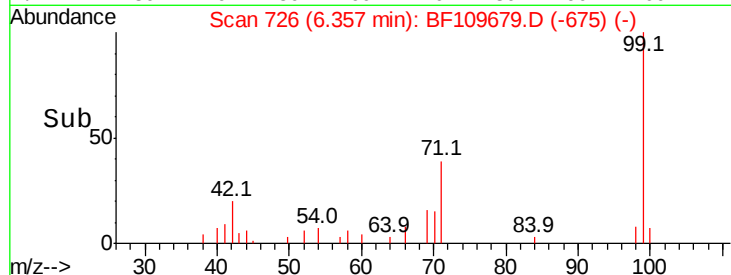
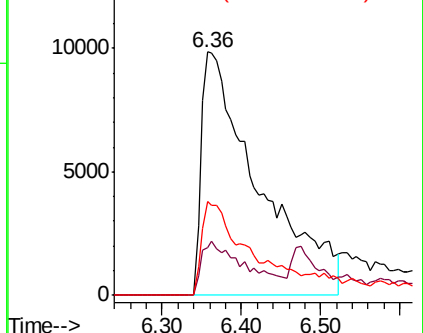
Tot Ion:	99	Resp:	49883
Ion Ratio	Lower	Upper	
99	100		
42	19.7	15.8	23.6
71	38.7	28.0	42.0

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

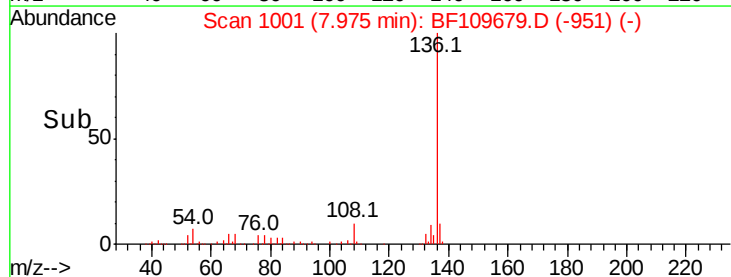
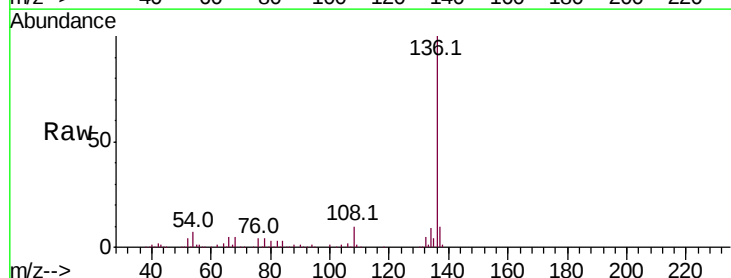
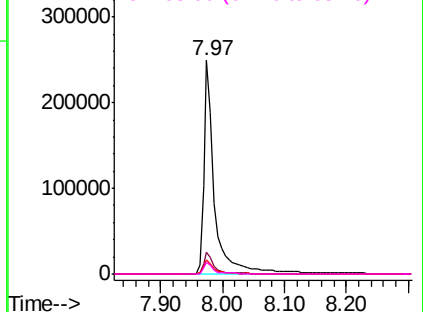
Delta R.T. -0.01 min

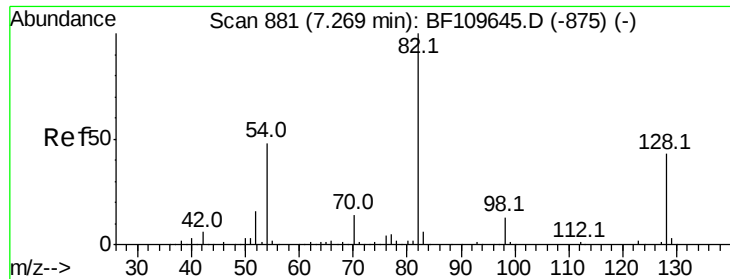
Lab File: BF109679.D

Acq: 9 Oct 2018 6:33

Tgt Ion:	136	Resp:	307669
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.8	13.2
54	6.9	5.4	8.2
68	5.3	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: 7.094 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF109679.D

Acq: 9 Oct 2018 6:33

Instrument :

BNA_F

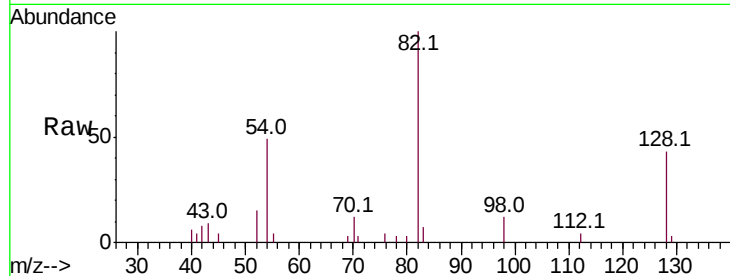
ClientSampleId :

VW-CONCRETE-FLOOR

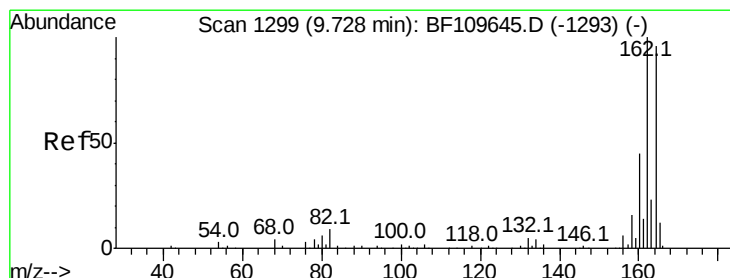
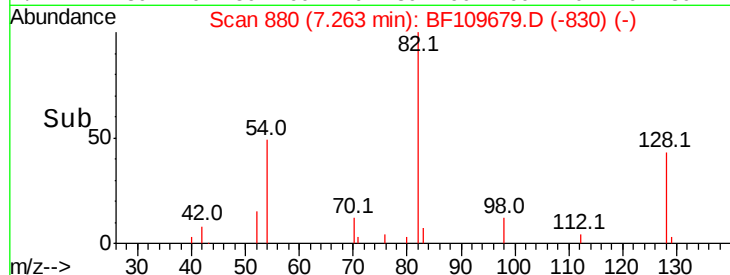
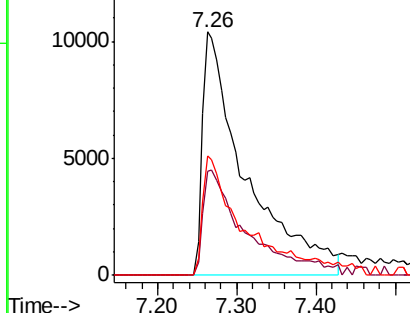
Tot Ion:	82	Resp:	39593
Ion Ratio	Lower	Upper	
82	100		
128	42.8	34.2	51.2
54	49.0	38.6	58.0

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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



#38

Acenaphthene-d10

Concen: 20.000 ng

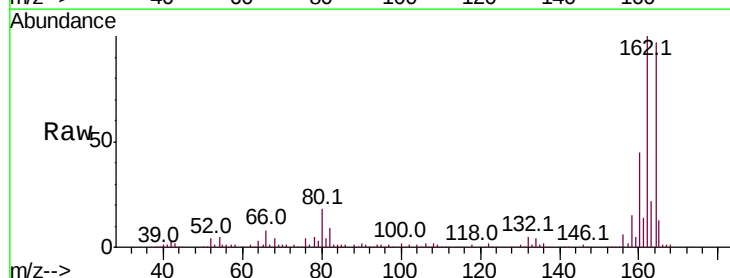
RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

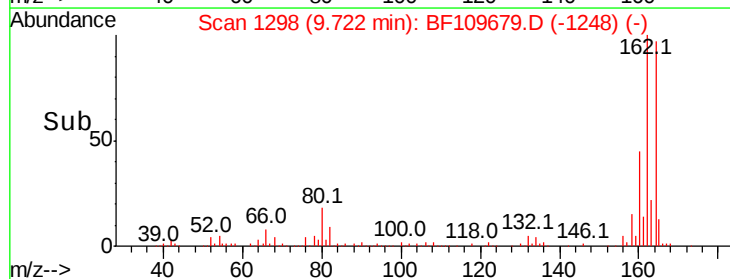
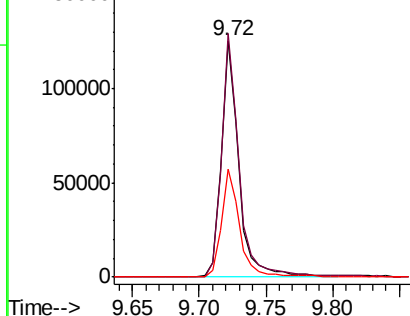
Lab File: BF109679.D

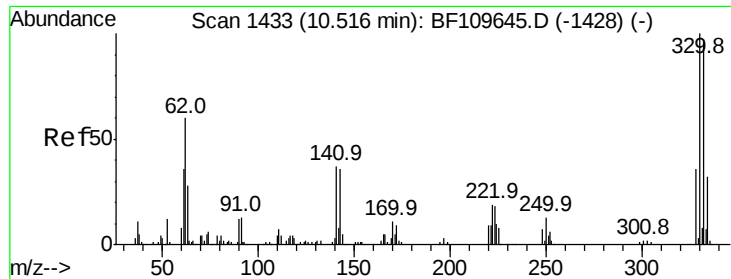
Acq: 9 Oct 2018 6:33

Tgt Ion:	164	Resp:	116826
Ion Ratio	Lower	Upper	
164	100		
162	103.2	83.0	124.6
160	46.0	37.0	55.6



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





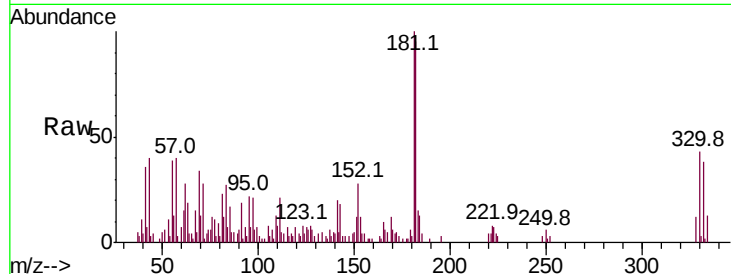
#41
 2,4,6-Tribromophenol
 Concen: 8.348 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109679.D
 Acq: 9 Oct 2018 6:33

Instrument :
 BNA_F
 ClientSampleId :
 VW-CONCRETE-FLOOR

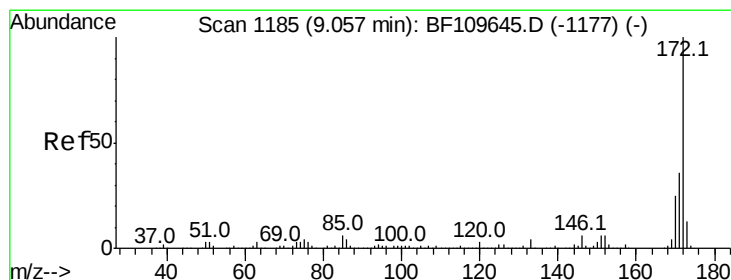
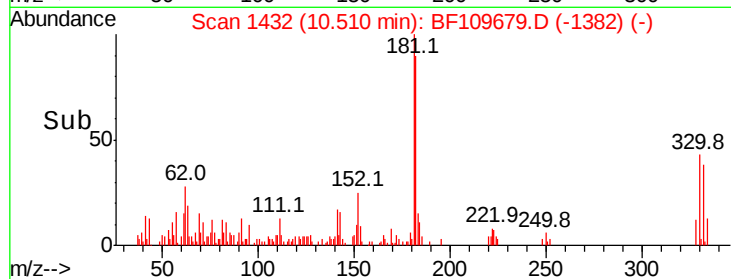
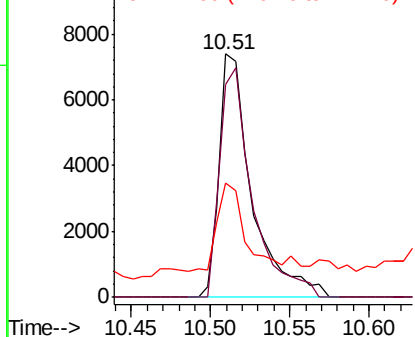
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.1	115.7
141	31.5	27.0	40.4

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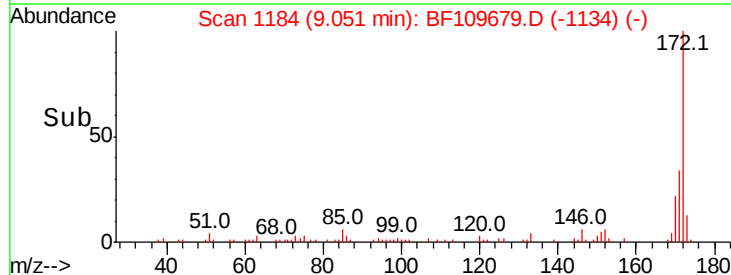
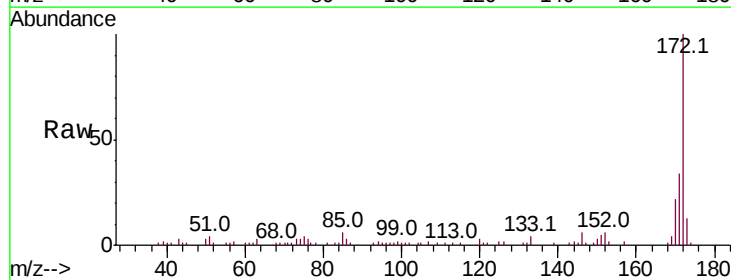
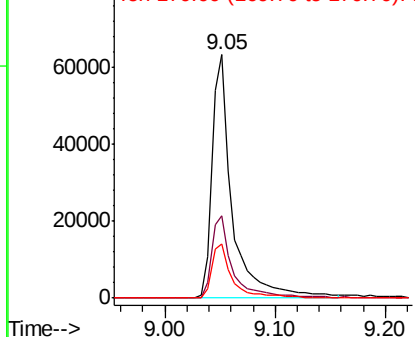
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

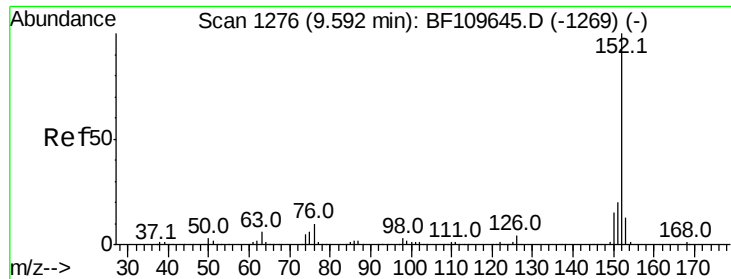


#44
 2-Fluorobiphenyl
 Concen: 9.361 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109679.D
 Acq: 9 Oct 2018 6:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	28.6	43.0
170	22.4	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





#48

Acenaphthylene

Concen: 3.169 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.01 min

Lab File: BF109679.D

Acq: 9 Oct 2018 6:33

Instrument :

BNA_F

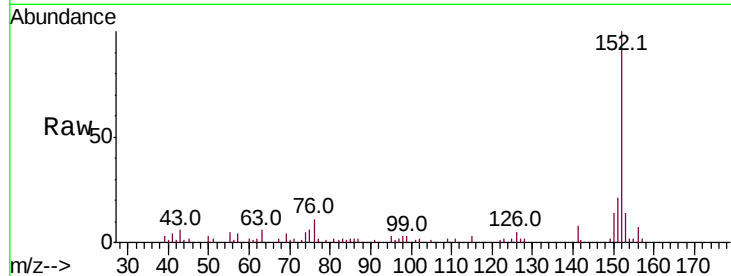
ClientSampleId :

VW-CONCRETE-FLOOR

Tot Ion:	152	Resp:	36124
Ion Ratio	Lower	Upper	
152	100		
151	21.4	15.8	23.8
153	13.6	10.4	15.6

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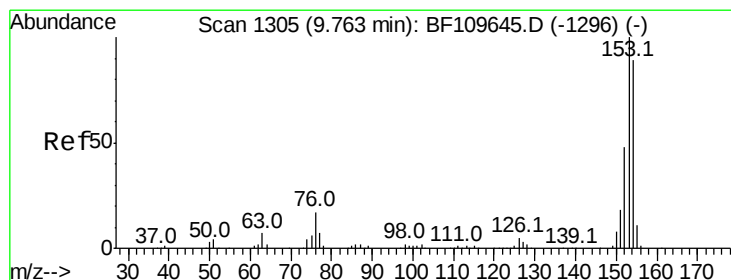
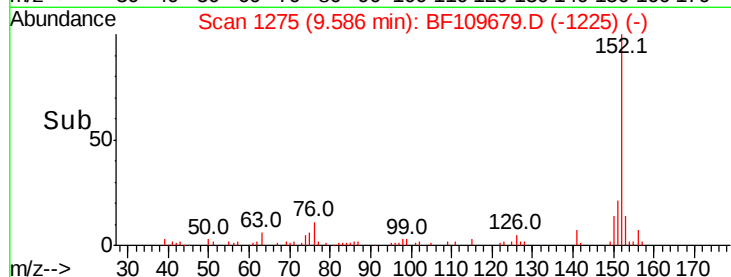
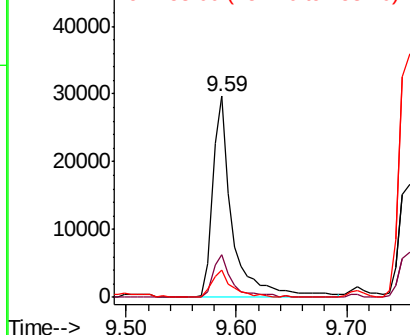


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 5.036 ng

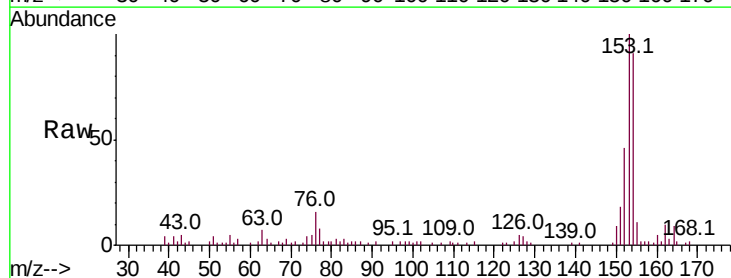
RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF109679.D

Acq: 9 Oct 2018 6:33

Tgt Ion:	154	Resp:	34031
Ion Ratio	Lower	Upper	
154	100		
153	110.3	90.1	135.1
152	51.0	43.4	65.2

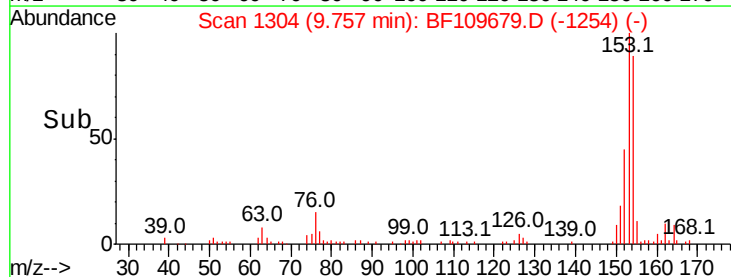
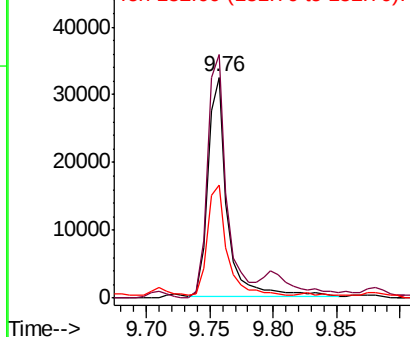


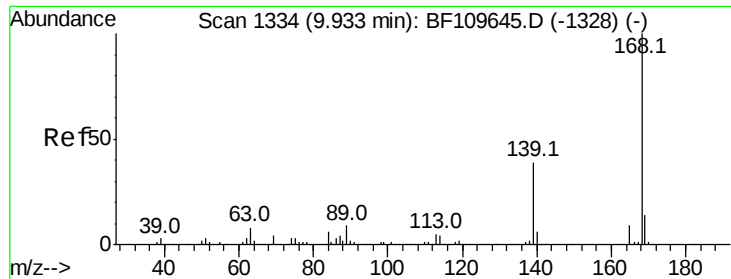
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





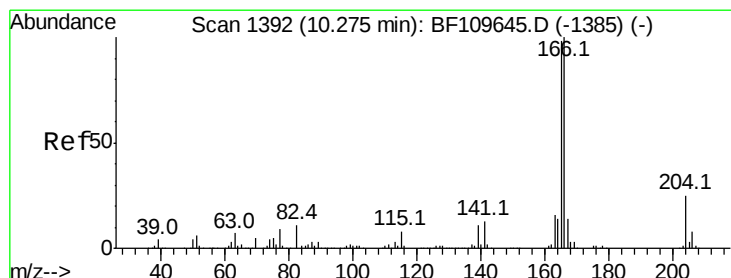
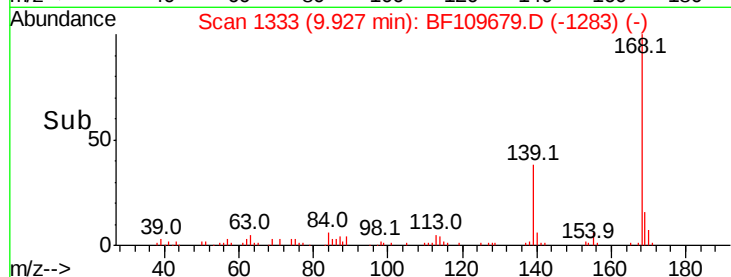
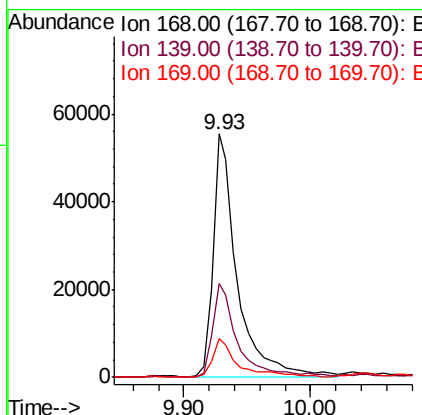
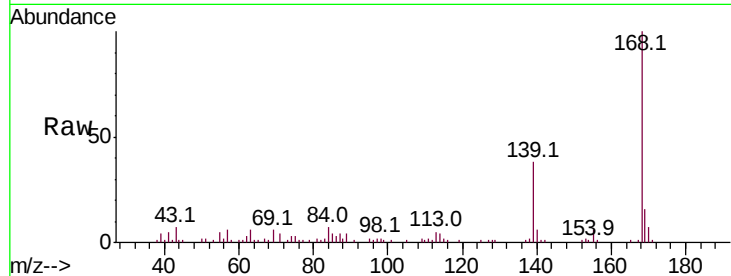
#54
Dibenzofuran
Concen: 7.343 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF109679.D
Acq: 9 Oct 2018 6:33

Instrument :
BNA_F
ClientSampleId :
VW-CONCRETE-FLOOR

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	33.0	49.6
169	15.9	11.3	16.9

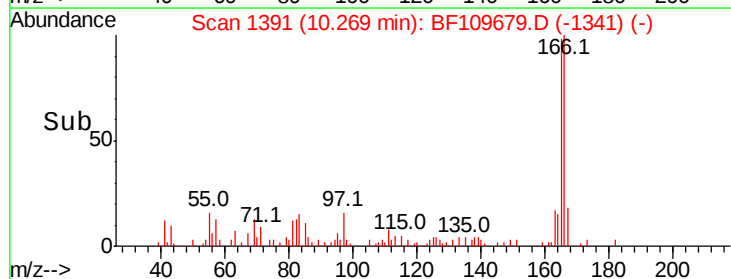
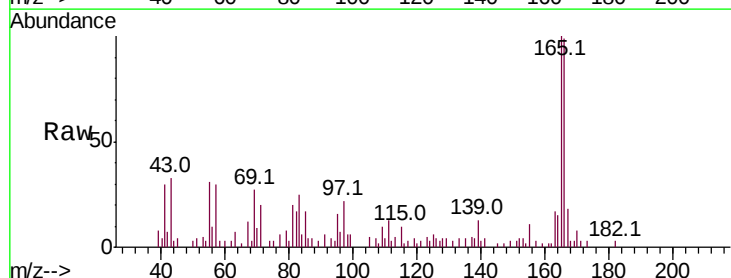
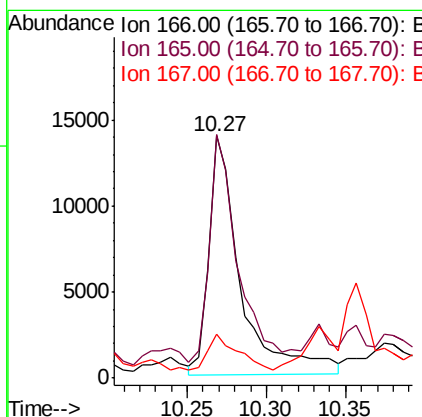
Manual Integrations
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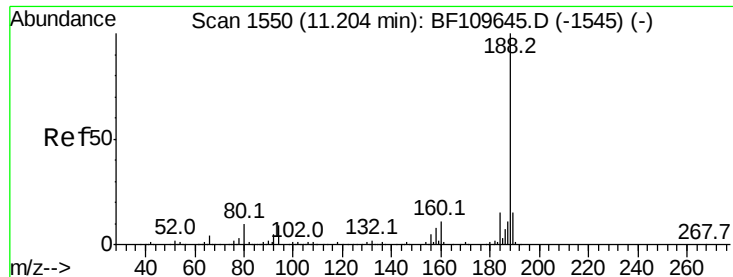
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#57
Fluorene
Concen: 2.585 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF109679.D
Acq: 9 Oct 2018 6:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.6	78.6	117.8
167	18.1	10.8	16.2#





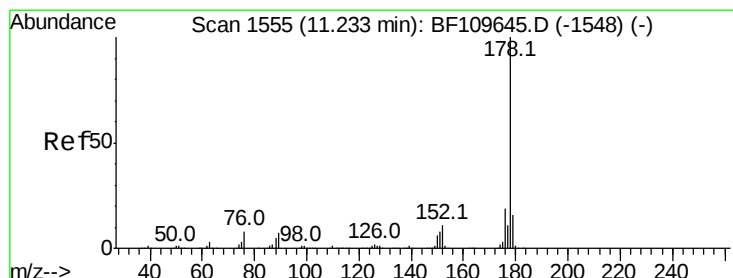
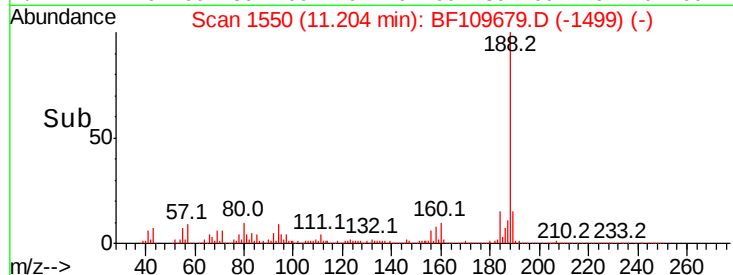
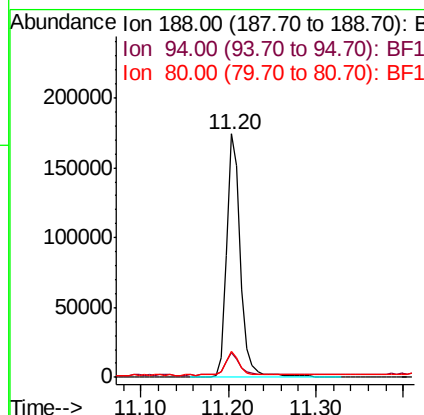
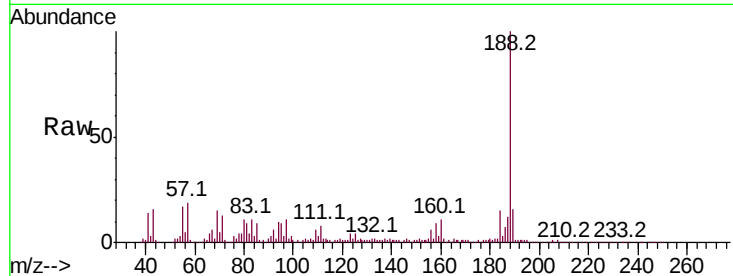
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF109679.D
Acq: 9 Oct 2018 6:33

Instrument :
BNA_F
ClientSampleId :
VW-CONCRETE-FLOOR

Tot Ion	Ratio	Resp	Lower	Upper
188	100	191678		
94	10.1	7.2	10.8	
80	10.6	7.9	11.9	

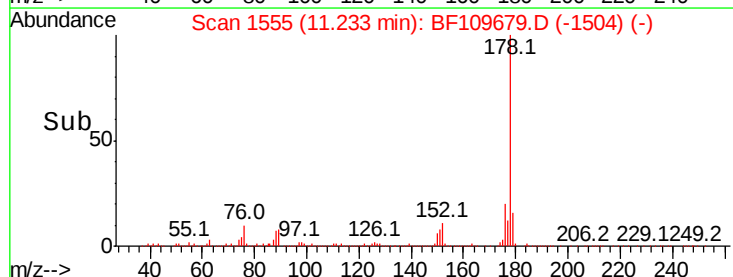
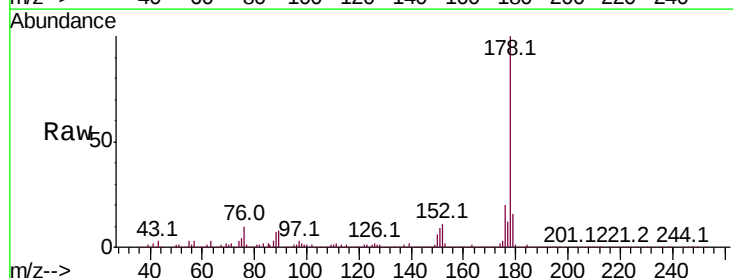
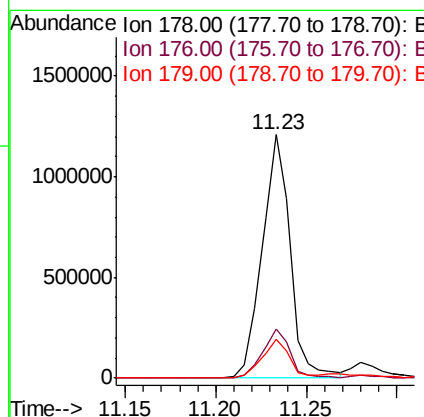
Manual Integrations
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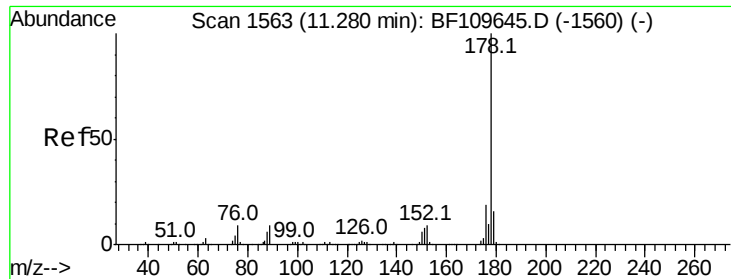
Sohil
10/9/2018 2:57:57 PM



#70
Phenanthrene
Concen: 135.058 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF109679.D
Acq: 9 Oct 2018 6:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1295522		
176	20.2	15.5	23.3	
179	15.9	12.5	18.7	





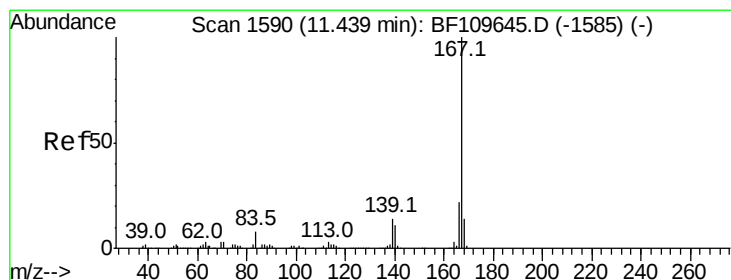
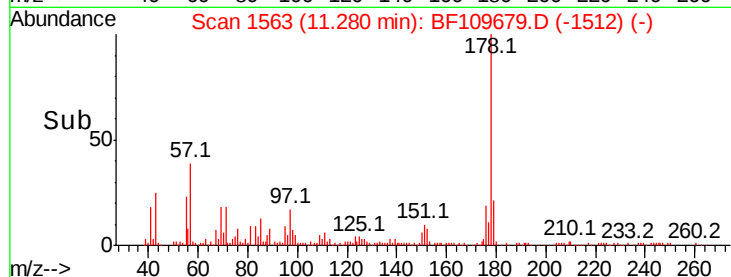
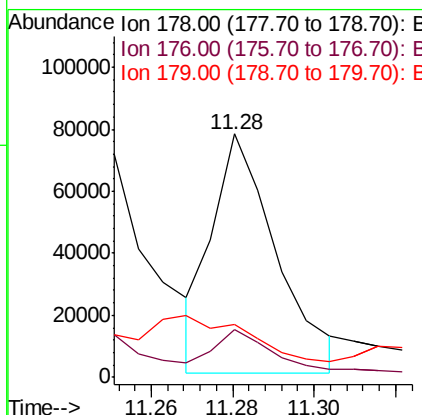
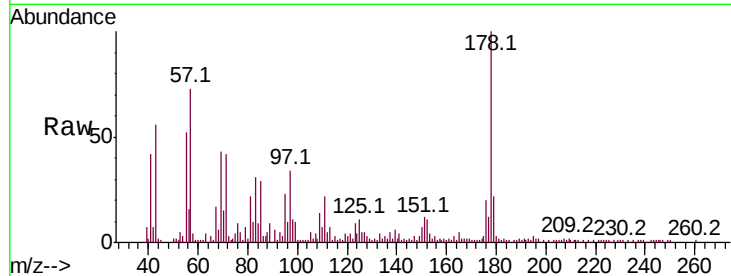
#71
 Anthracene
 Concen: 8.580 ng/mL
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: BF109679.D
 Acq: 9 Oct 2018 6:33

Instrument :
 BNA_F
 ClientSampleId :
 VW-CONCRETE-FLOOR

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	21.9	12.6	18.8

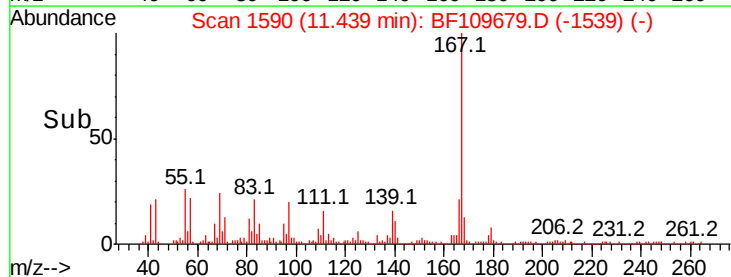
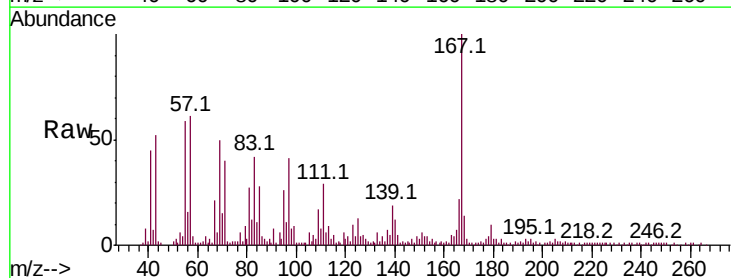
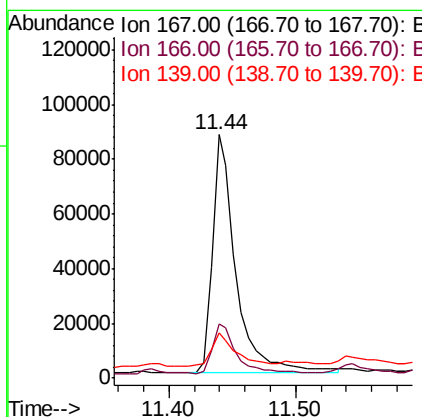
Manual Integrations
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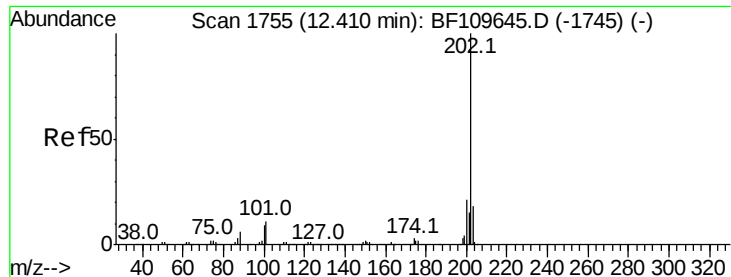
Sohil
 10/9/2018 2:57:57 PM



#72
 Carbazole
 Concen: 11.754 ng/mL
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: BF109679.D
 Acq: 9 Oct 2018 6:33

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.4	26.0
139	18.8	10.9	16.3





#74

Fluoranthene

Concen: 189.941 ng

RT: 12.43 min Scan# 1759

Delta R.T. 0.02 min

Lab File: BF109679.D

Acq: 9 Oct 2018 6:33

Instrument :

BNA_F

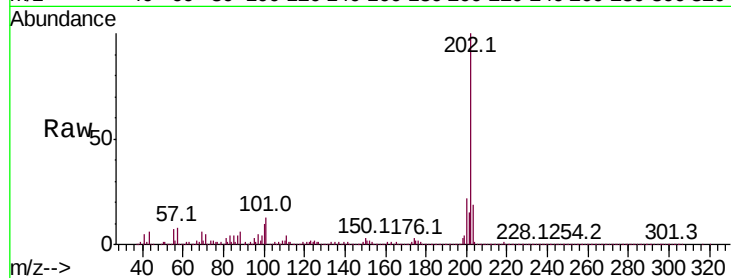
ClientSampleId :

VW-CONCRETE-FLOOR

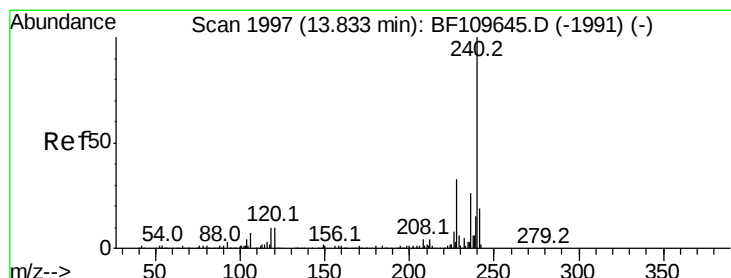
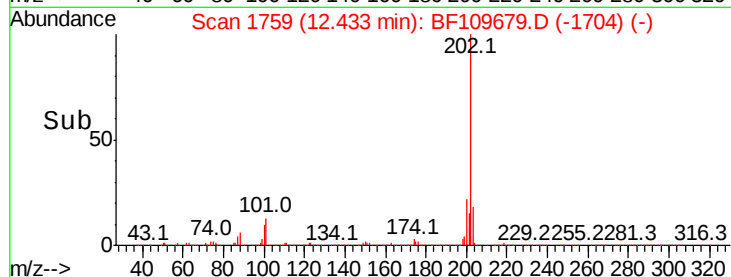
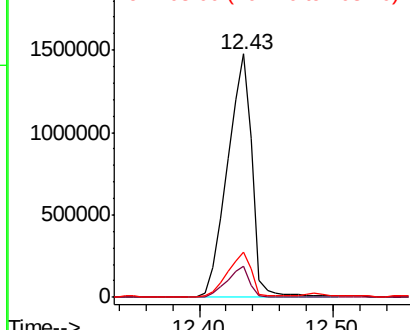
Tot Ion:	202	Resp:	1903390
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	31.4
203	18.6	0.0	37.7

Manual Integrations
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10/9/2018 2:57:57 PM



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2001

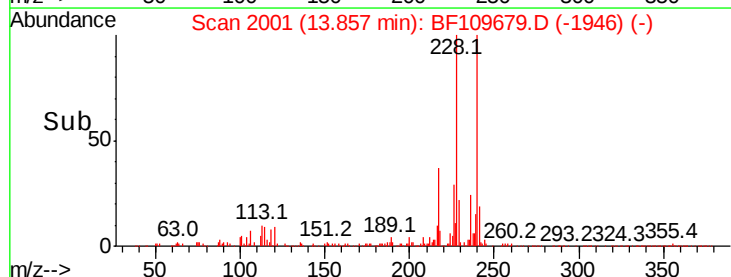
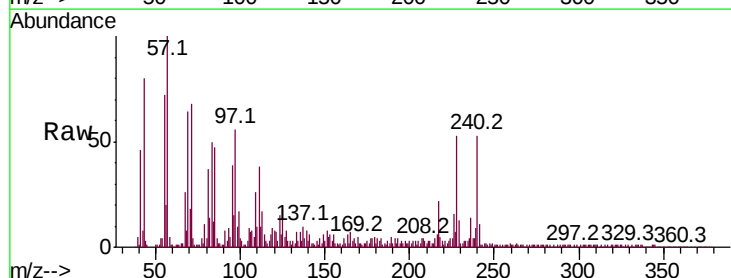
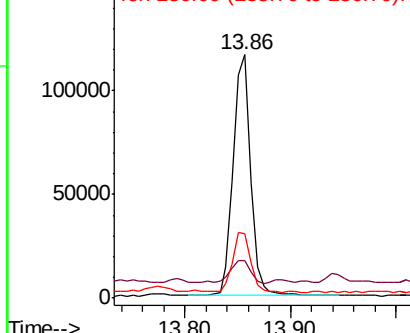
Delta R.T. 0.02 min

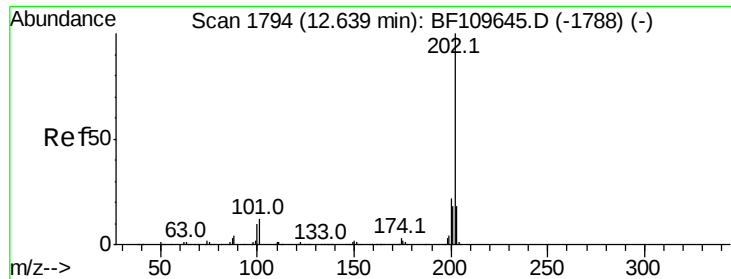
Lab File: BF109679.D

Acq: 9 Oct 2018 6:33

Tgt Ion:	240	Resp:	132345
Ion Ratio	Lower	Upper	
240	100		
120	15.6	8.3	12.5#
236	26.5	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





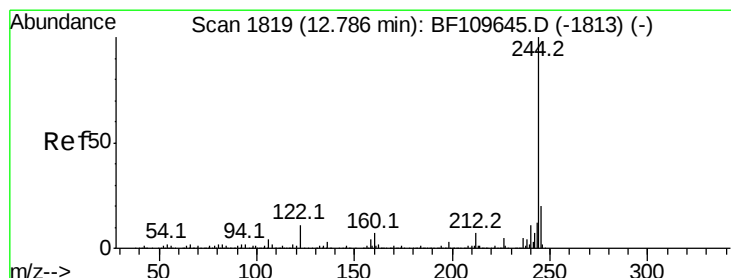
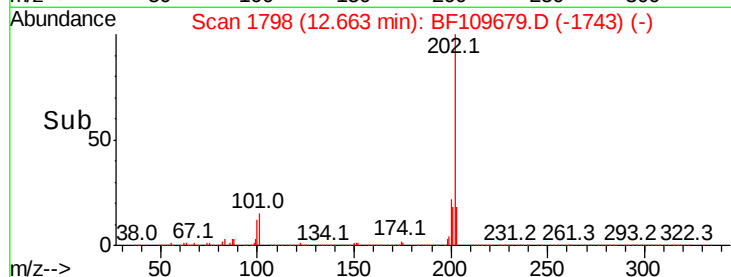
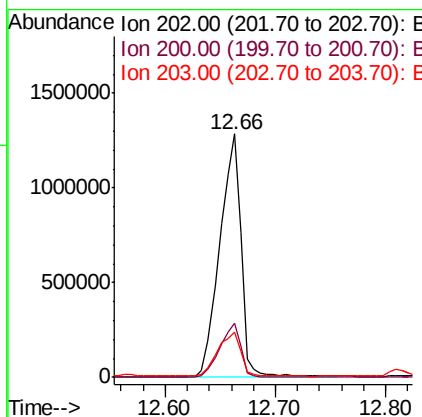
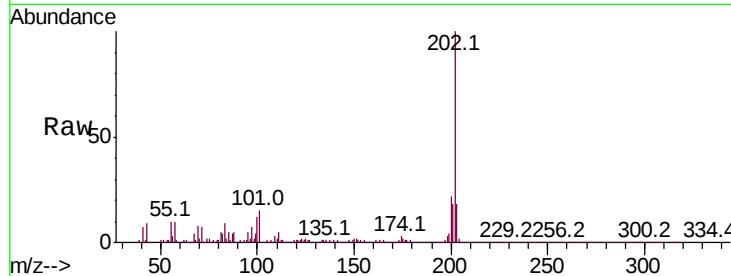
#77
Pvrene
Concen: 175.973 ng
RT: 12.66 min Scan# 1798
Delta R.T. 0.02 min
Lab File: BF109679.D
Acq: 9 Oct 2018 6:33

Instrument :
BNA_F
ClientSampleId :
VW-CONCRETE-FLOOR

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.8	26.6
203	18.5	14.2	21.4

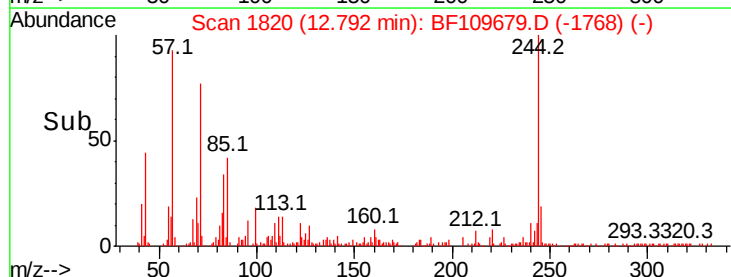
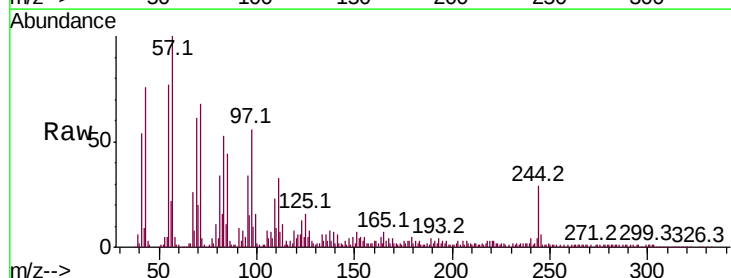
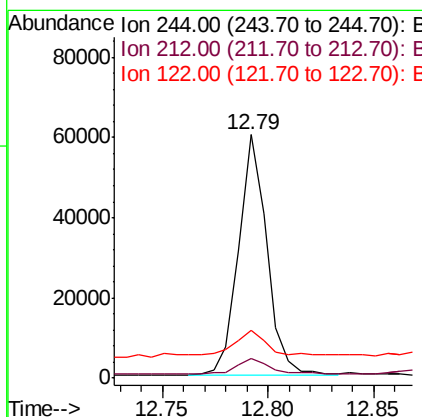
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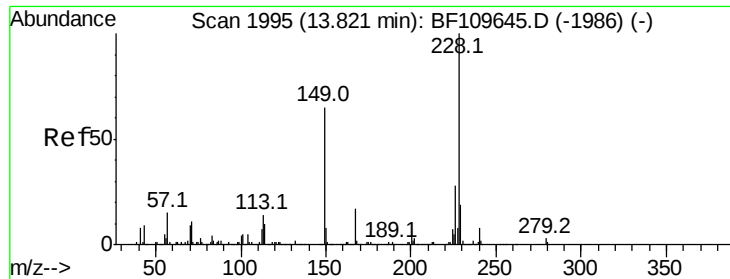
Sohil
10/9/2018 2:57:57 PM



#78
Terphenyl-d14
Concen: 8.158 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BF109679.D
Acq: 9 Oct 2018 6:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.8	8.8
122	19.7	8.7	13.1#





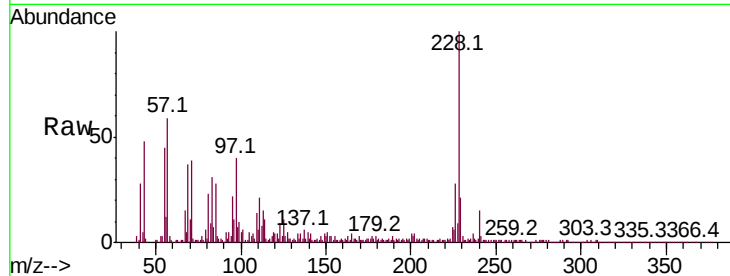
#80
Benzo(a)anthracene
Concen: 63.749 ng
RT: 13.84 min Scan# 1999
Delta R.T. 0.02 min
Lab File: BF109679.D
Acq: 9 Oct 2018 6:33

Instrument :
BNA_F
ClientSampleId :
VW-CONCRETE-FLOOR

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.1	33.1
229	21.3	15.6	23.4

Manual Integrations
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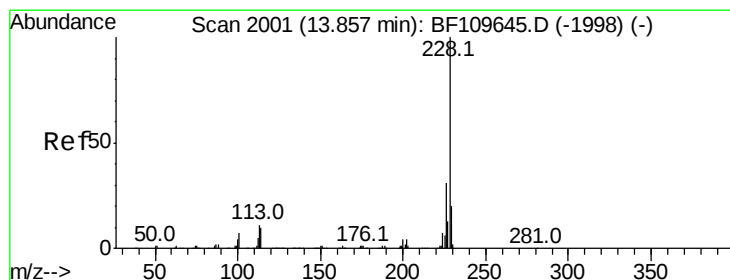
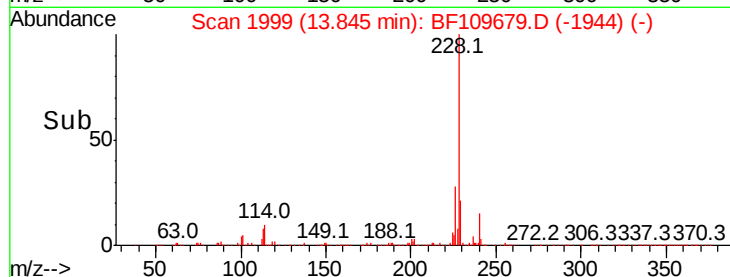
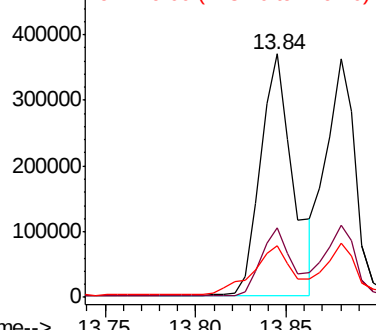


Abundance

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



#82
Chrysene
Concen: 53.223 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.02 min
Lab File: BF109679.D
Acq: 9 Oct 2018 6:33

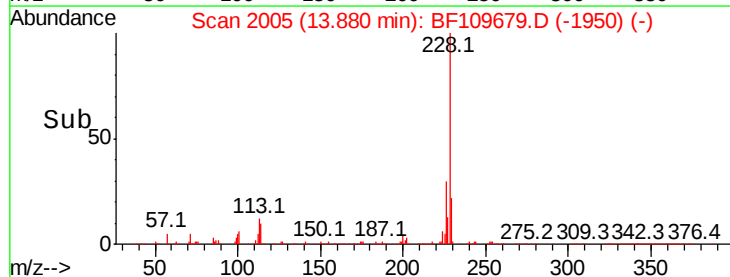
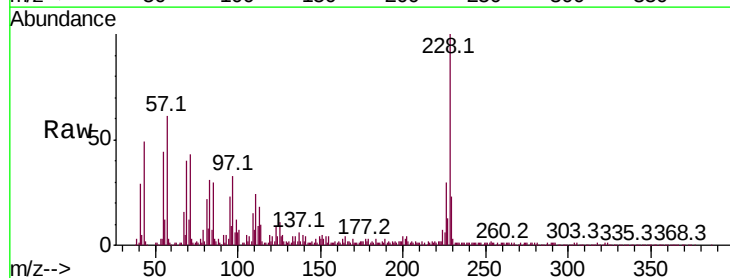
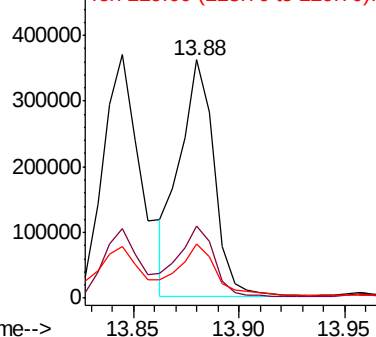
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	23.0	15.9	23.9

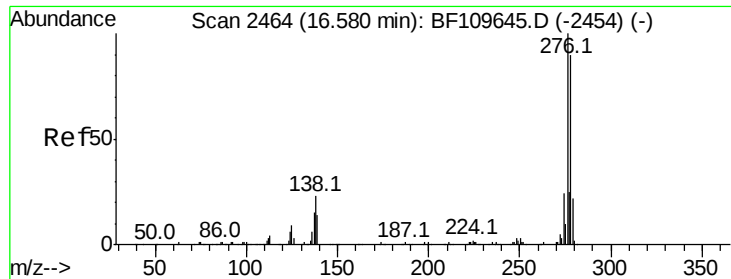
Abundance

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





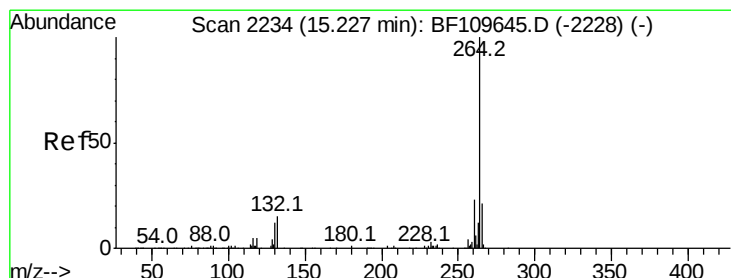
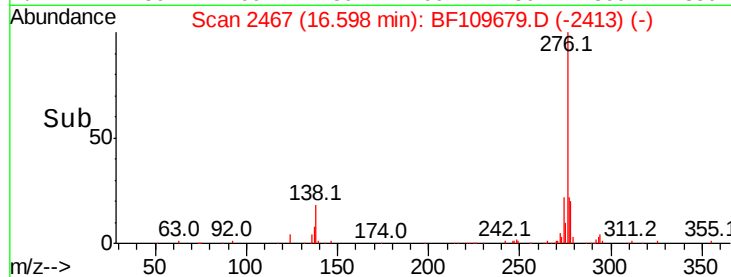
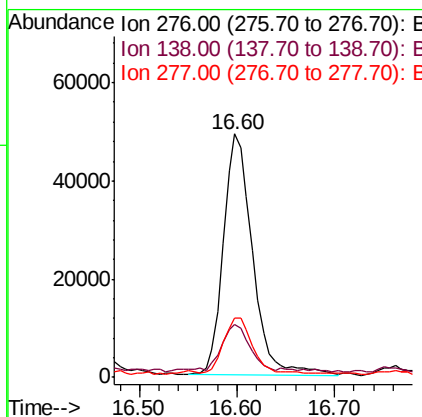
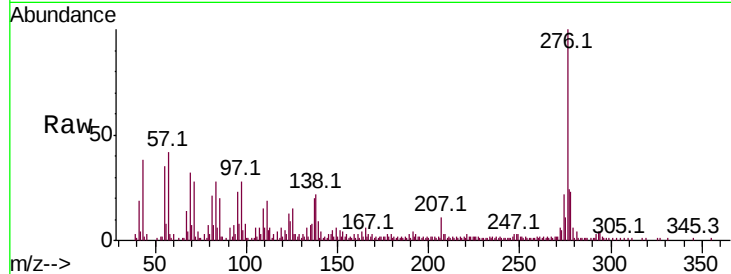
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 18.589 ng
 RT: 16.60 min Scan# 2467
 Delta R.T. 0.02 min
 Lab File: BF109679.D
 Acq: 9 Oct 2018 6:33

Instrument :
 BNA_F
 ClientSampleId :
 VW-CONCRETE-FLOOR

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.7	18.5	27.7#
277	21.6	20.0	30.0

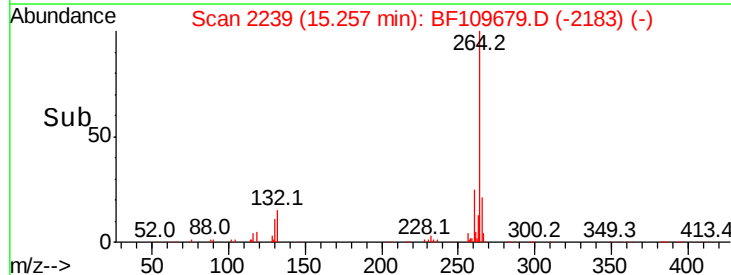
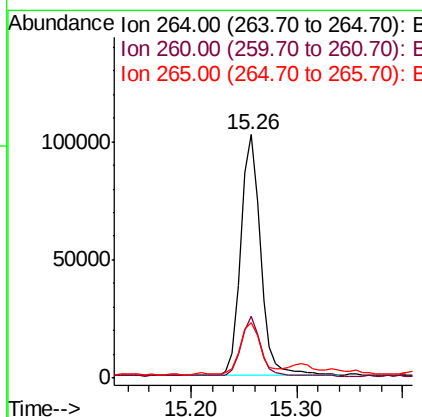
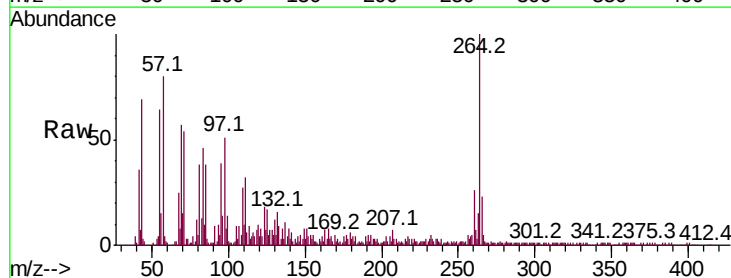
Manual Integrations
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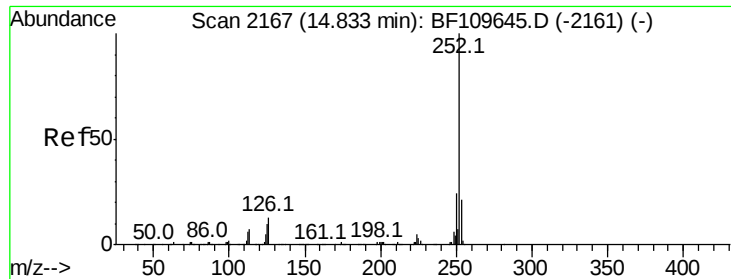
Sohil
 10/9/2018 2:57:57 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2239
 Delta R.T. 0.03 min
 Lab File: BF109679.D
 Acq: 9 Oct 2018 6:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	18.7	28.1
265	22.7	16.7	25.1





#87

Benzo(b)fluoranthene

Concen: 60.059 ng m

RT: 14.87 min Scan# 2173

Delta R.T. 0.04 min

Lab File: BF109679.D

Acq: 9 Oct 2018 6:33

Instrument :

BNA_F

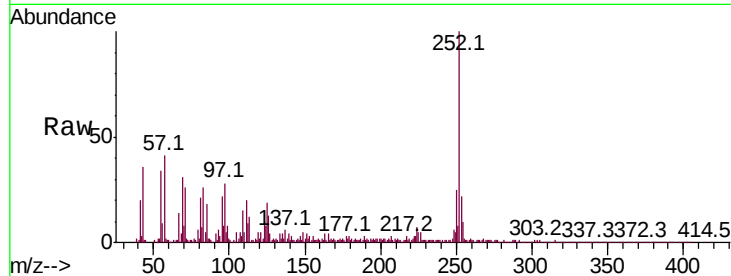
ClientSampleId :

VW-CONCRETE-FLOOR

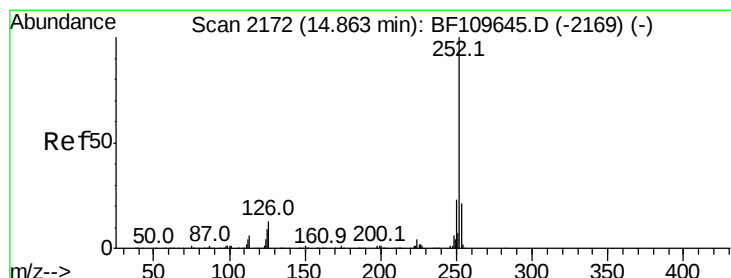
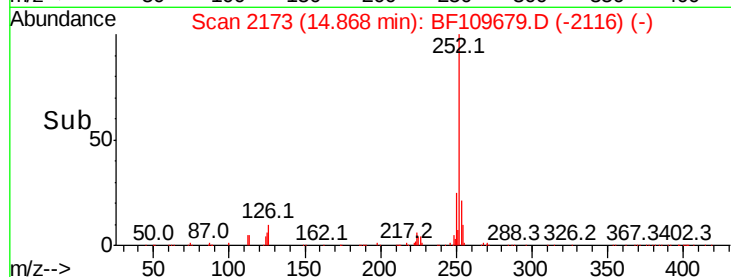
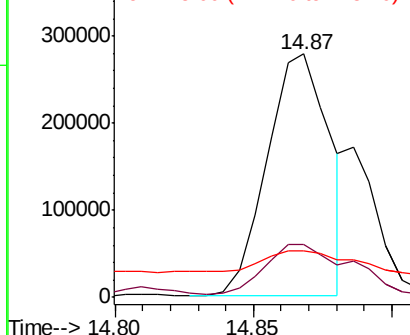
Tot Ion:	252	Resp:	435608
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.2	25.8
125	19.0	8.2	12.4#

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10/9/2018 2:57:57 PM



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



#88

Benzo(k)fluoranthene

Concen: 19.318 ng m

RT: 14.89 min Scan# 2176

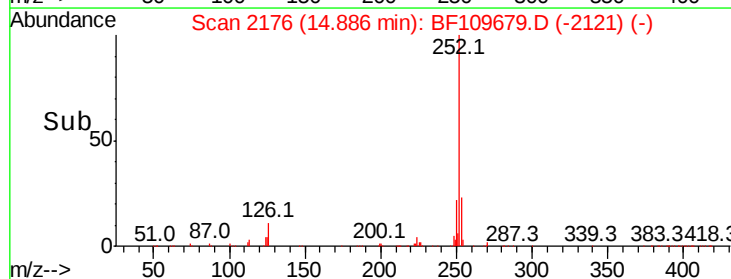
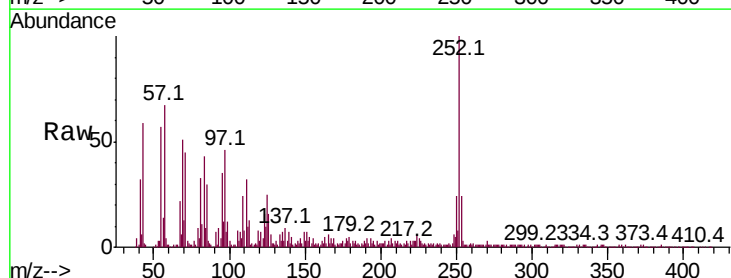
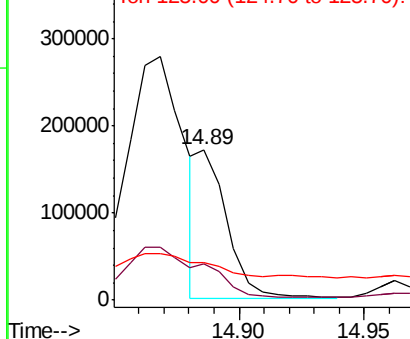
Delta R.T. 0.02 min

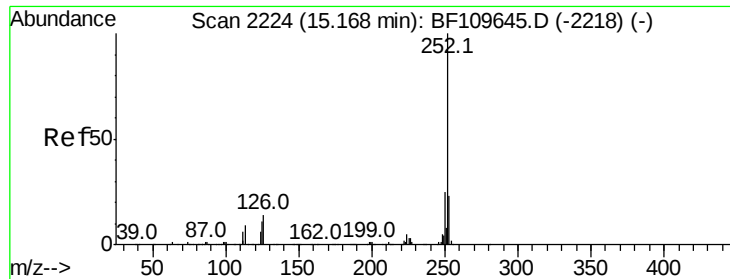
Lab File: BF109679.D

Acq: 9 Oct 2018 6:33

Tgt Ion:	252	Resp:	140776
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.2	25.8
125	25.1	7.4	11.0#

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





#89

Benzo(a)pyrene

Concen: 16.065 ng

RT: 15.20 min Scan# 2229

Delta R.T. 0.03 min

Lab File: BF109679.D

Acq: 9 Oct 2018 6:33

Instrument :

BNA_F

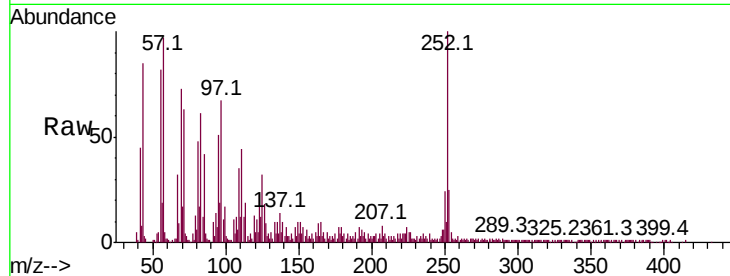
ClientSampleId :

VW-CONCRETE-FLOOR

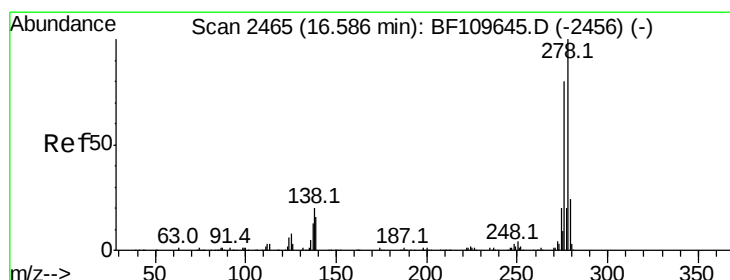
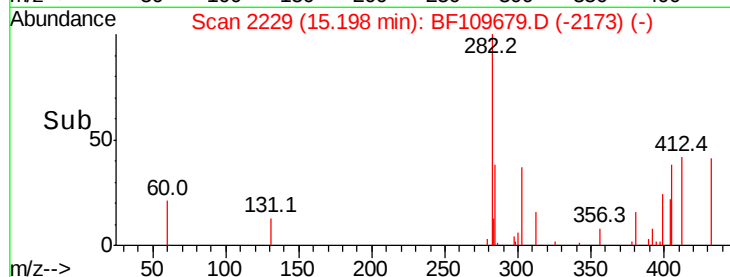
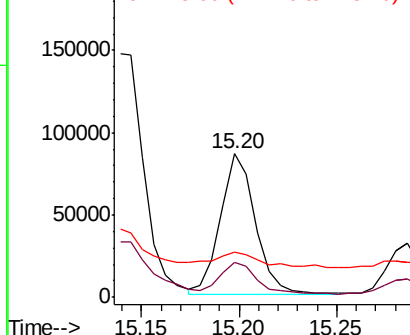
Tot Ion:	252	Resp:	105738
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.2	27.4
125	32.0	9.0	13.6#

Manual Integrations
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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



#90

Dibenzo(a,h)anthracene

Concen: 5.758 ng

RT: 16.60 min Scan# 2468

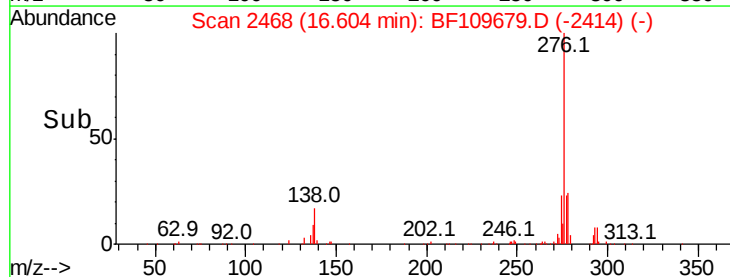
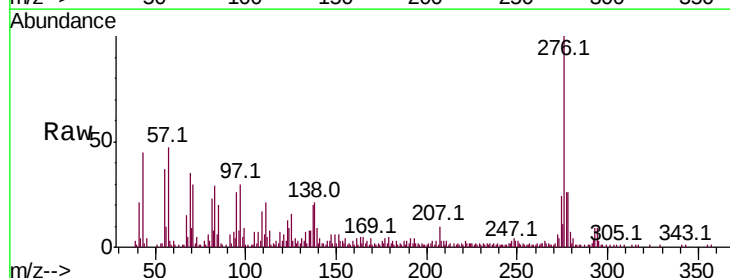
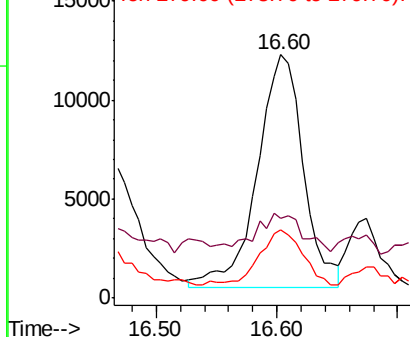
Delta R.T. 0.02 min

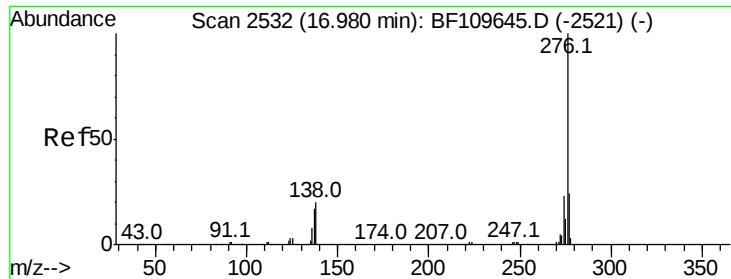
Lab File: BF109679.D

Acq: 9 Oct 2018 6:33

Tgt Ion:	278	Resp:	31125
Ion Ratio	Lower	Upper	
278	100		
139	32.8	12.7	19.1#
279	28.3	19.0	28.4

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 15.785 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. 0.02 min
 Lab File: BF109679.D
 Acq: 9 Oct 2018 6:33

Instrument :
 BNA_F
 ClientSampleId :
 VW-CONCRETE-FLOOR

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.8	28.2
138	19.9	16.0	24.0

Manual Integrations
 APPROVED

Sohil
 10/9/2018 2:57:57 PM

