

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012486.D
 Acq On : 27 Oct 2017 14:55
 Operator : SJ/JU
 Sample : I5719-08MS 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-25(0.5-1.5)-100517MS

Manual Integrations
 APPROVED

Sohil
 10/30/2017 6:30:14 PM

Quant Time: Oct 28 01:19:23 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 09:35:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	447347	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	1665858	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	923548	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.26	188	2032504	20.00	ng/ul	0.00
75) Chrysene-d12	21.43	240	2504873	20.00	ng/ul	0.00
83) Perylene-d12	23.75	264	2831302	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	8962	1.02	ng/uL	0.00
5) Phenol-d5	7.05	99	187460	5.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	118039	5.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	152507	5.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	152573	4.78	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	70229	6.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	68474	6.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	154353	5.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.81	131	65985	2.20	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	446367	5.53	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	569213	5.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	52498	4.38	ng/ul	0.00
57) Fluorene-d10	15.50	176	388875	5.69	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	5456	0.55	ng/ul	0.01
70) Anthracene-d10	17.35	188	602455	6.22	ng/ul	0.00
76) Pyrene-d10	19.64	212	683863	5.95	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.60	264	790636	5.88	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	7.08	94	233498	6.001	ng/ul#	81
10) 2-Chlorophenol	7.45	128	156648	5.469	ng/ul	94
15) N-Nitroso-di-n-propylamine	8.68	70	106298	3.881	ng/ul#	64
33) 4-Chloro-3-methylphenol	11.96	107	152575	4.889	ng/ul	99
44) Dimethylphthalate	13.96	163	274384	3.438	ng/ul	99
49) Acenaphthene	14.57	153	404175	6.478	ng/ul	99
52) 4-Nitrophenol	14.73	109	49822	4.094	ng/ul#	77
54) 2,4-Dinitrotoluene	14.88	165	82604	4.349	ng/ul#	79
58) Fluorene	15.56	166	97622	1.250	ng/ul	95
68) Pentachlorophenol	16.91	266	61770	4.193	ng/ul	94
69) Phenanthrene	17.30	178	3151361	28.671	ng/ul	99
71) Anthracene	17.39	178	786213	6.921	ng/ul	98
72) Carbazole	17.66	167	645228	6.857	ng/ul	97
74) Fluoranthene	19.32	202	8989147	72.175	ng/ul#	94
77) Pyrene	19.67	202	8967016	62.951	ng/ul#	93
80) Benzo(a)anthracene	21.42	228	7156352	47.710	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.34	149	158596	1.857	ng/ul#	87
82) Chrysene	21.47	228	6769181	50.757	ng/ul	96
85) Benzo(b)fluoranthene	23.06	252	11130670	63.596	ng/ul#	97
86) Benzo(k)fluoranthene	23.09	252	4161504m	25.263	ng/ul	
88) Benzo(a)pyrene	23.65	252	8884475	53.241	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.12	276	6003190	30.567	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.12	278	1651231	9.917	ng/ul#	84

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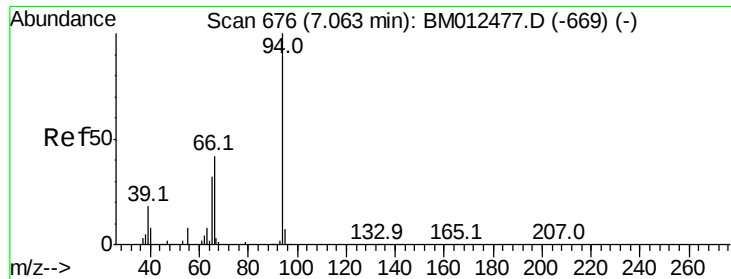
Manual Integrations
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10/30/2017 6:30:14 PM

Quant Time: Oct 28 01:19:23 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 09:35:31 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.84	276	5165059	32.450	ng/ul#	95

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



#6

Phenol

Concen: 6.001 ng/ul

RT: 7.08 min Scan# 679

Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

ClientSampleId :

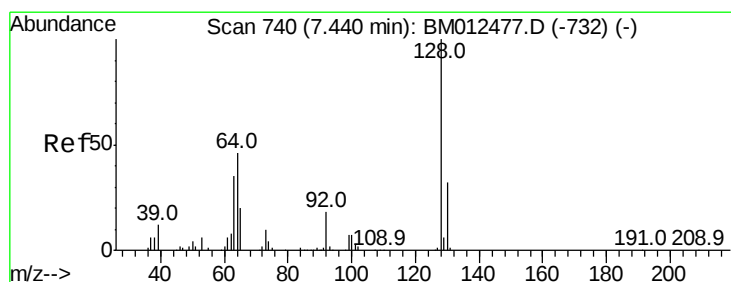
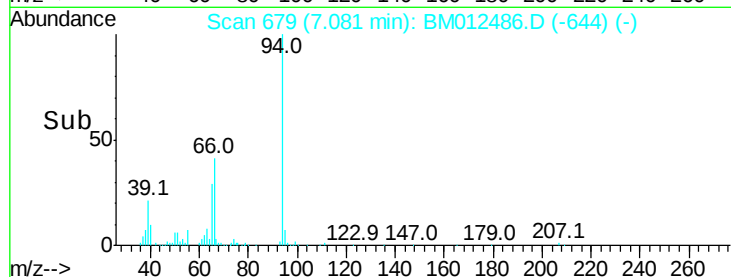
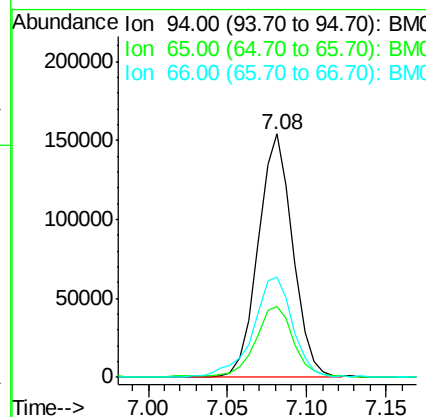
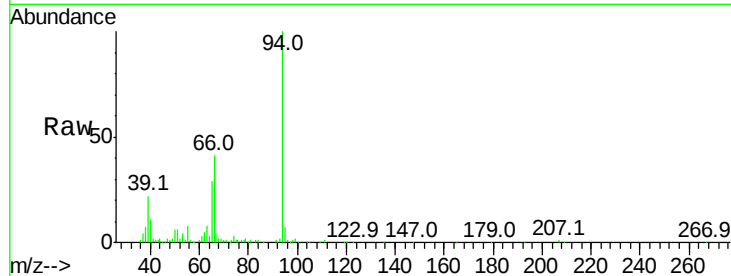
B-25(0.5-1.5)-100517MS

Tot Ion: 94 Resp: 233498

Ion	Ratio	Lower	Upper
94	100		
65	29.3	28.2	42.4
66	41.3	47.2	70.8#

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#10

2-Chlorophenol

Concen: 5.469 ng/ul

RT: 7.45 min Scan# 742

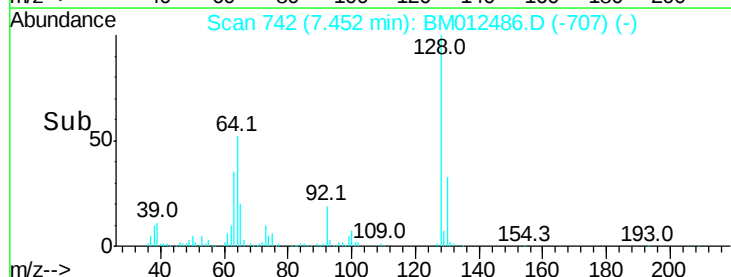
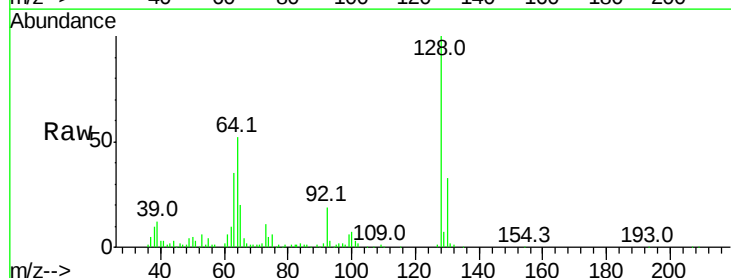
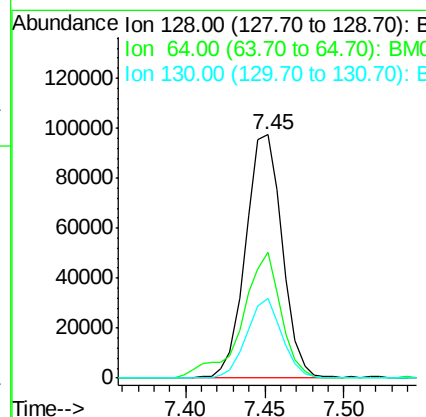
Delta R.T. 0.01 min

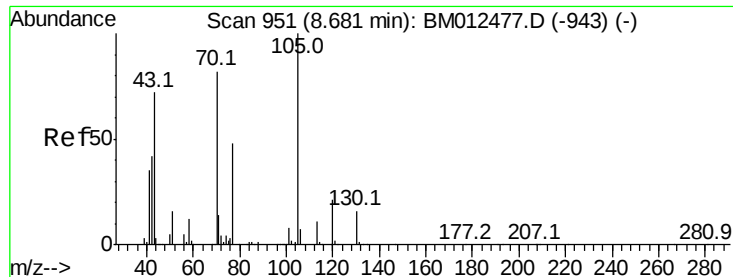
Lab File: BM012486.D

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Tgt Ion: 128 Resp: 156648

Ion	Ratio	Lower	Upper
128	100		
64	52.0	38.0	57.0
130	33.0	24.4	36.6





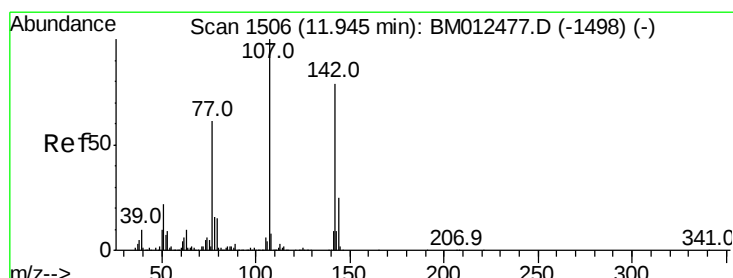
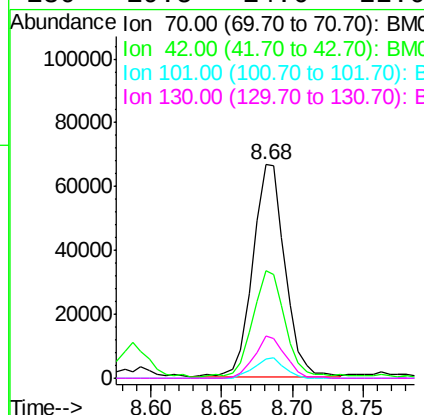
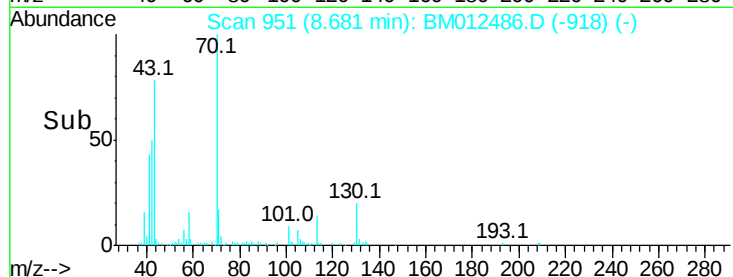
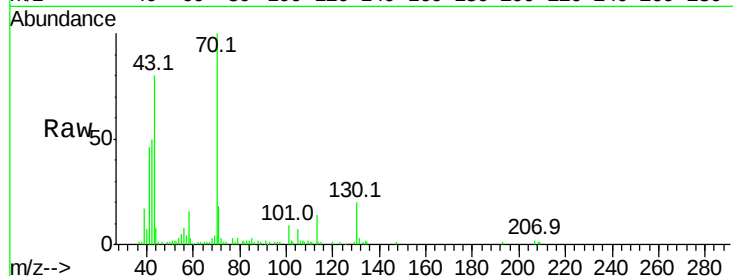
#15
N-Nitroso-di-n-propylamine
Concen: 3.881 ng/uL
RT: 8.68 min Scan# 951
Delta R.T. -0.01 min
Lab File: BM012486.D
Acq: 27 Oct 2017 14:55

Instrument :
BNA_M
ClientSampleId :
B-25(0.5-1.5)-100517MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	50.4	76.0	114.0#
101	9.2	6.7	10.1
130	19.5	14.6	22.0

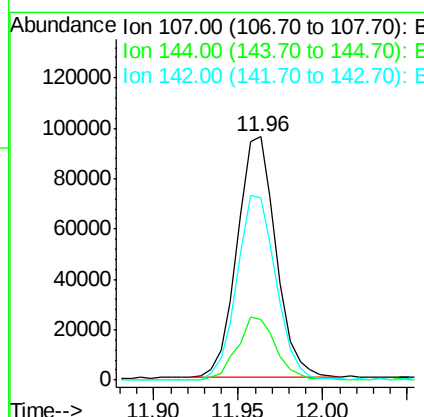
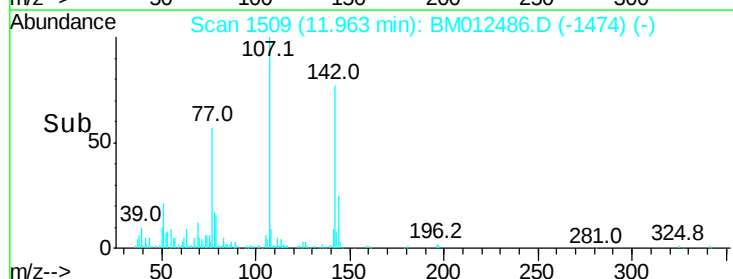
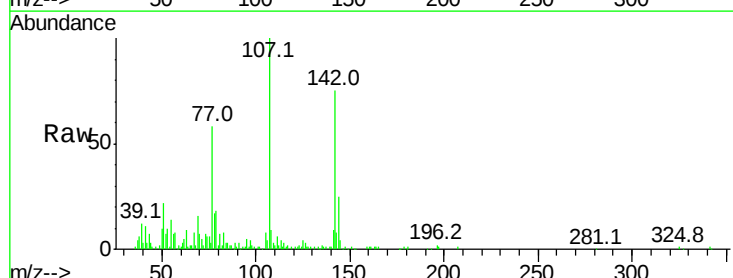
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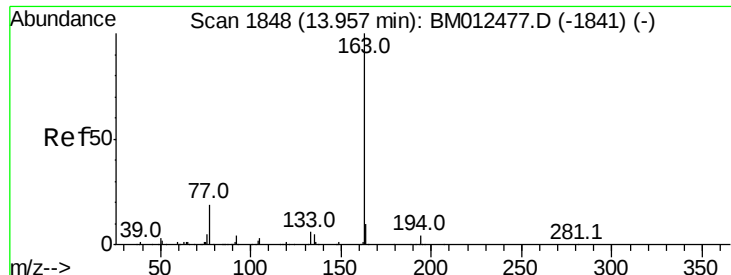
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#33
4-Chloro-3-methylphenol
Concen: 4.889 ng/uL
RT: 11.96 min Scan# 1509
Delta R.T. 0.01 min
Lab File: BM012486.D
Acq: 27 Oct 2017 14:55

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.4	30.6
142	75.1	60.5	90.7





#44

Dimethylphthalate

Concen: 3.438 ng/ul

RT: 13.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

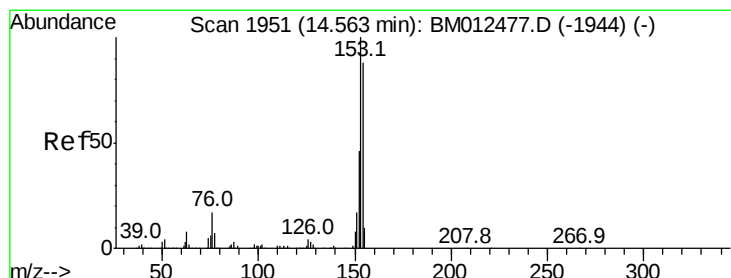
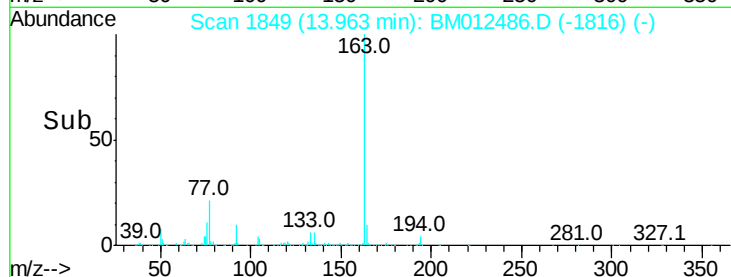
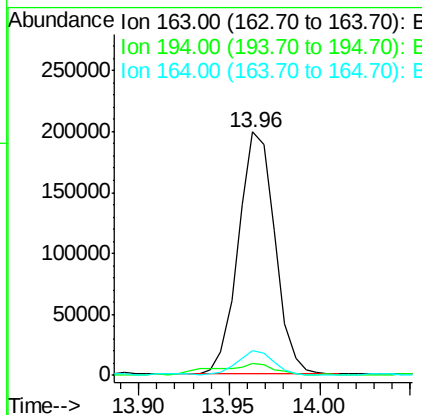
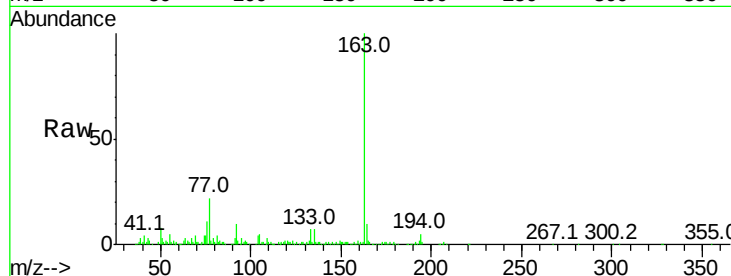
ClientSampleId :

B-25(0.5-1.5)-100517MS

Tot Ion:	163	Resp:	274384
Ion Ratio	Lower	Upper	
163	100		
194	5.0	3.5	5.3
164	10.1	8.2	12.4

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#49

Acenaphthene

Concen: 6.478 ng/ul

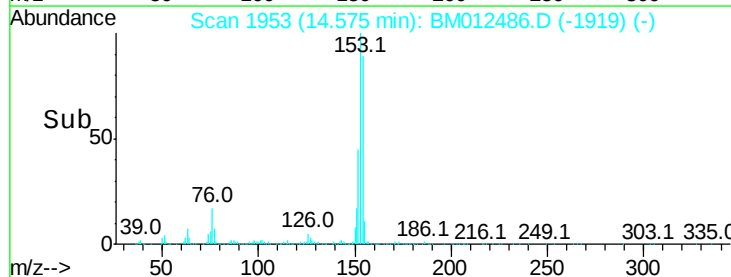
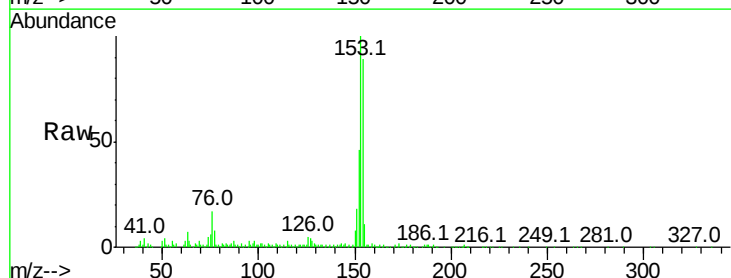
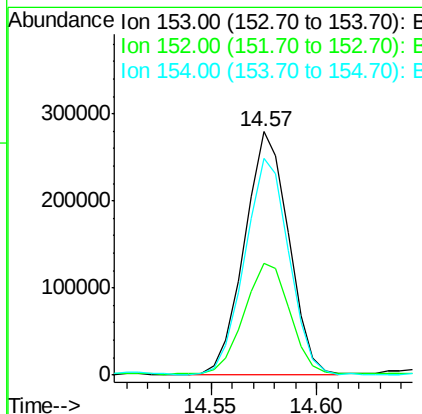
RT: 14.57 min Scan# 1953

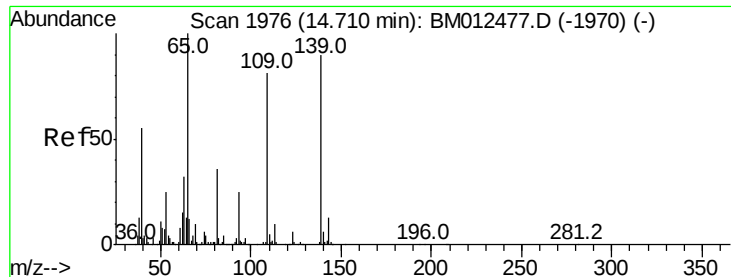
Delta R.T. 0.00 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Tgt Ion:	153	Resp:	404175
Ion Ratio	Lower	Upper	
153	100		
152	45.9	37.6	56.4
154	89.1	70.4	105.6





#52

4-Nitrophenol

Concen: 4.094 ng/ul

RT: 14.73 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

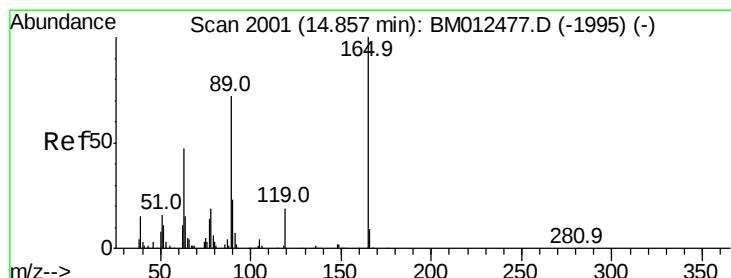
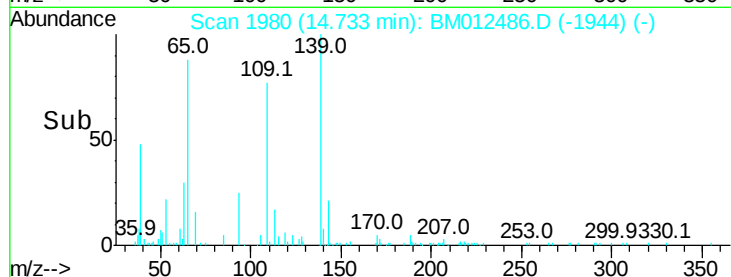
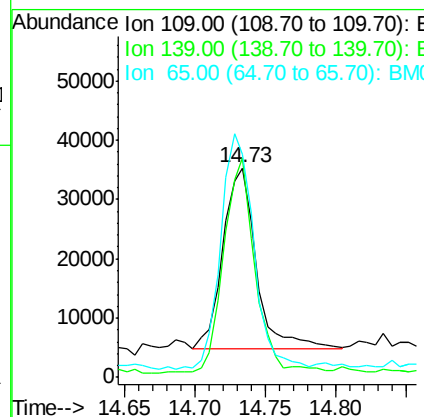
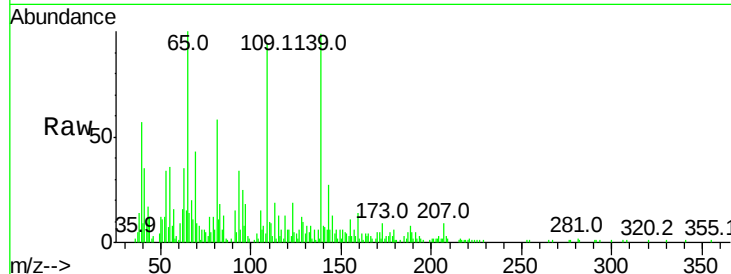
ClientSampleId :

B-25(0.5-1.5)-100517MS

Tot Ion:	109	Resp:	49822
Ion Ratio	Lower	Upper	
109	100		
139	105.0	80.0	120.0
65	106.5	120.0	180.0#

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#54

2,4-Dinitrotoluene

Concen: 4.349 ng/ul

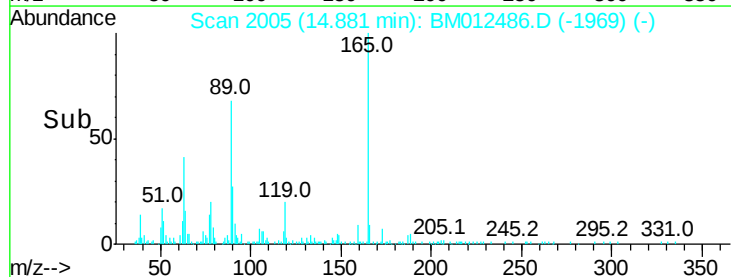
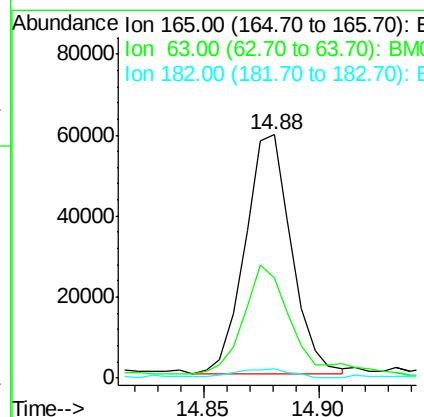
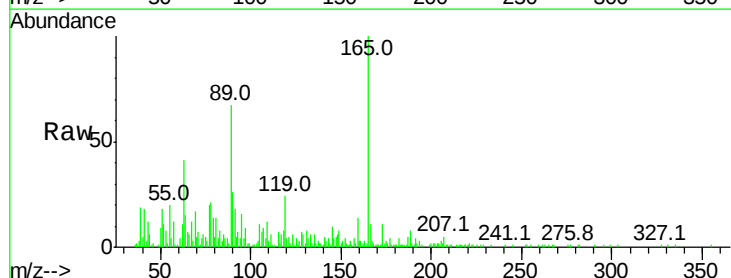
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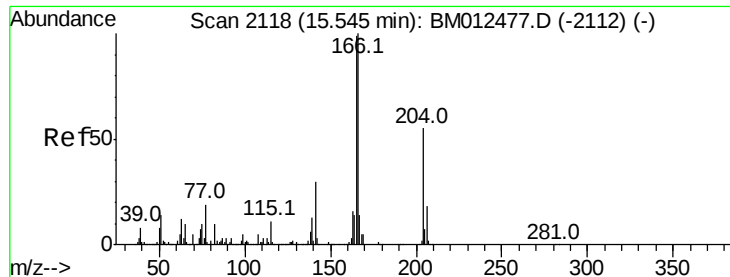
Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Tgt Ion:	165	Resp:	82604
Ion Ratio	Lower	Upper	
165	100		
63	41.3	45.8	68.8#
182	4.0	2.6	4.0#





#58

Fluorene

Concen: 1.250 ng/ul

RT: 15.56 min Scan# 2120

Delta R.T. 0.00 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

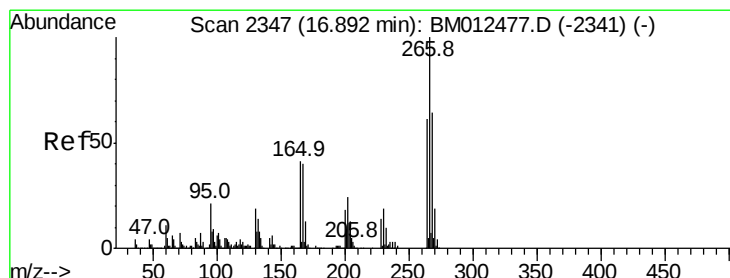
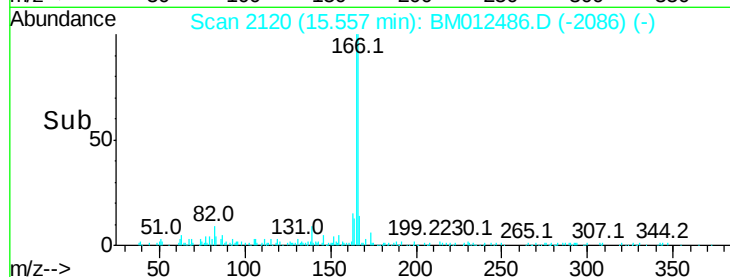
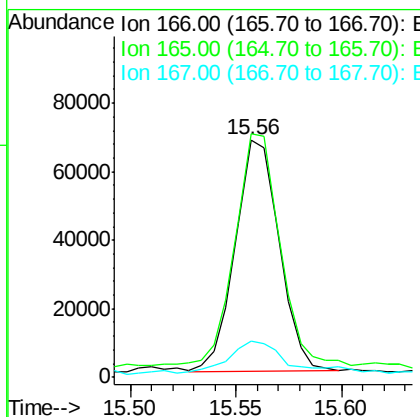
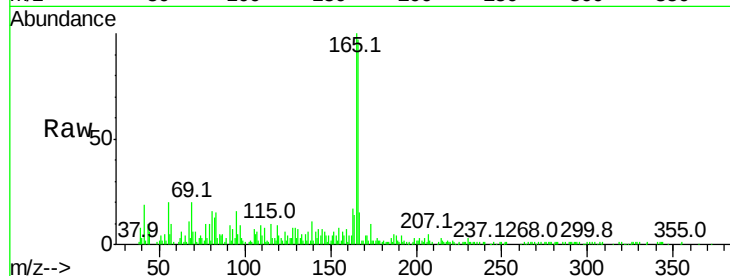
ClientSampleId :

B-25(0.5-1.5)-100517MS

Tot Ion:	166	Resp:	97622
Ion Ratio	Lower	Upper	
166	100		
165	102.6	77.9	116.9
167	15.4	10.6	16.0

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#68

Pentachlorophenol

Concen: 4.193 ng/ul

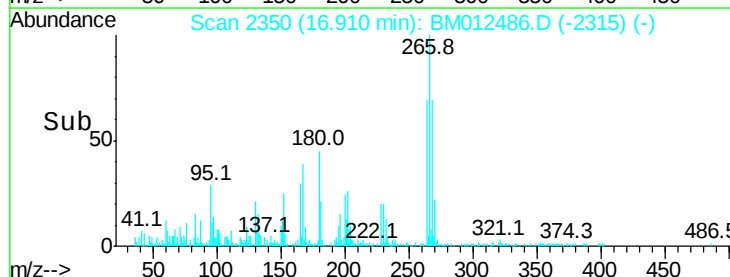
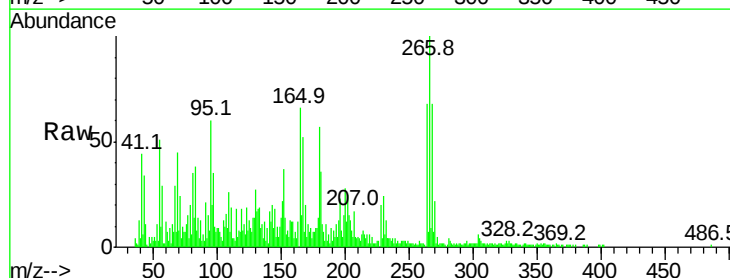
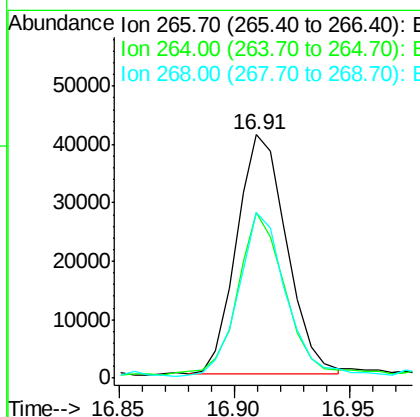
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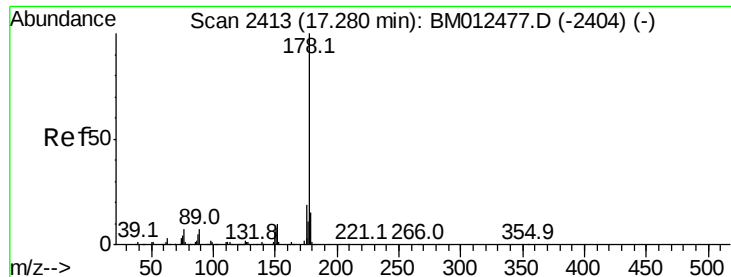
Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Tgt Ion:	266	Resp:	61770
Ion Ratio	Lower	Upper	
266	100		
264	68.2	49.3	73.9
268	67.8	52.6	78.8





#69

Phenanthrene

Concen: 28.671 ng/ul

RT: 17.30 min Scan# 2416

Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

ClientSampleId :

B-25(0.5-1.5)-100517MS

Tot Ion:178 Resp: 3151361

Ion Ratio Lower Upper

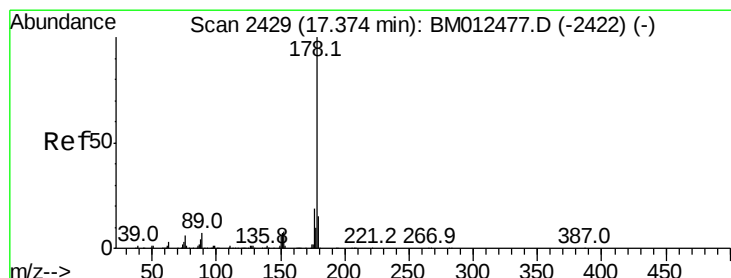
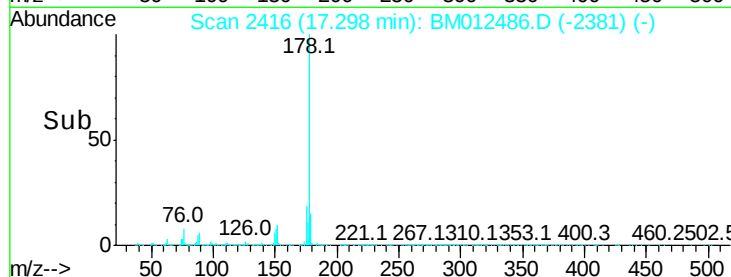
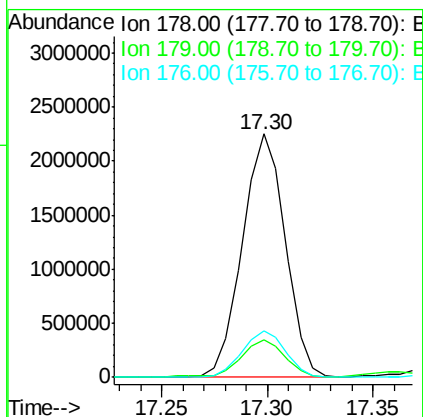
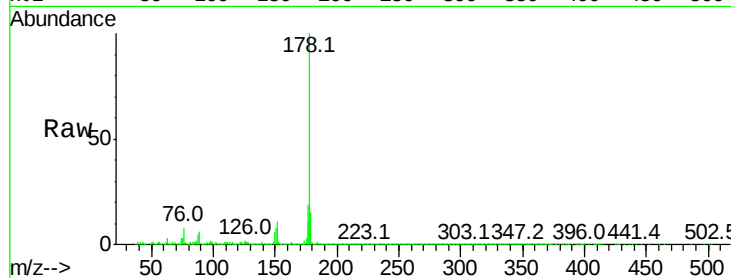
178 100

179 15.4 12.6 19.0

176 19.2 14.9 22.3

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#71

Anthracene

Concen: 6.921 ng/ul

RT: 17.39 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

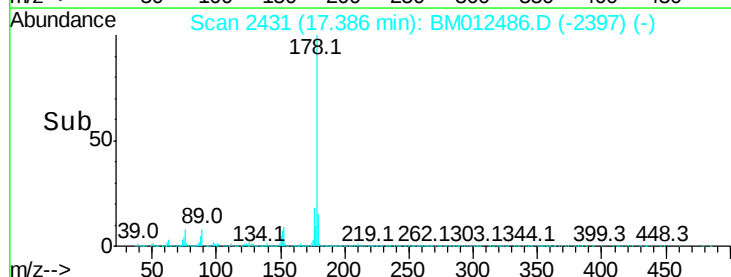
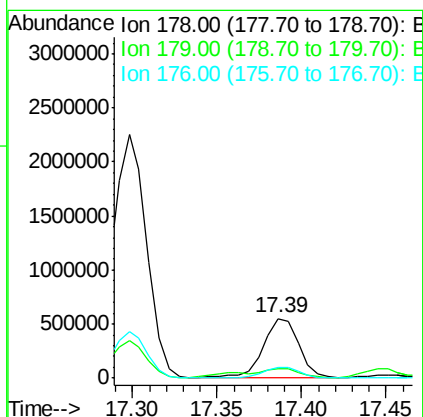
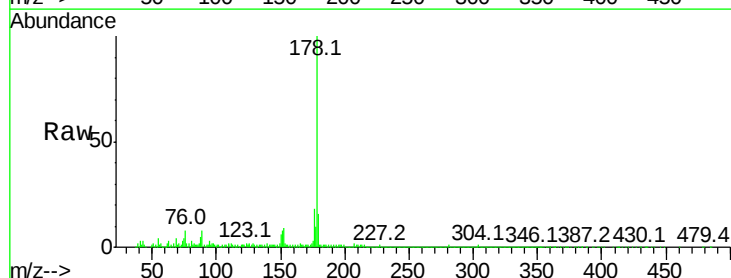
Tgt Ion:178 Resp: 786213

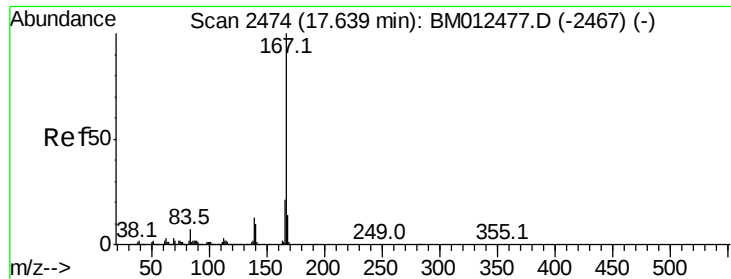
Ion Ratio Lower Upper

178 100

179 16.0 11.7 17.5

176 18.4 14.6 21.8





#72

Carbazole

Concen: 6.857 ng/ul

RT: 17.66 min Scan# 2477

Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

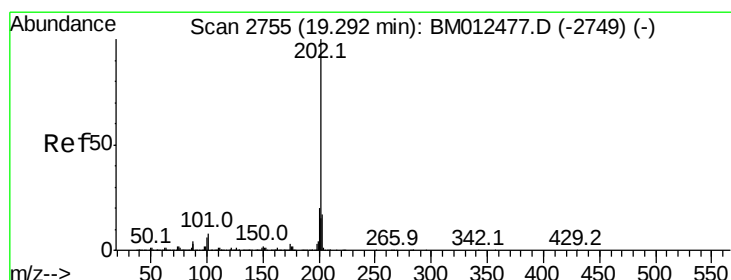
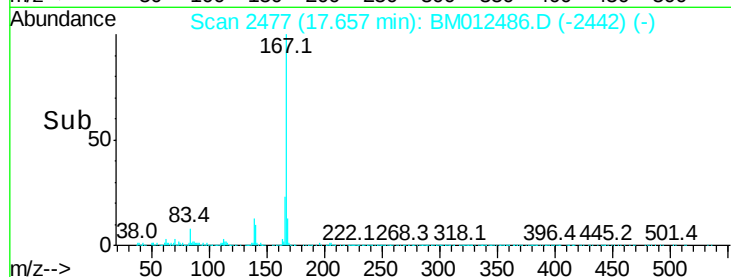
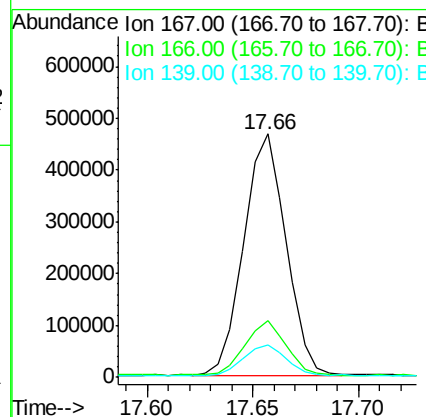
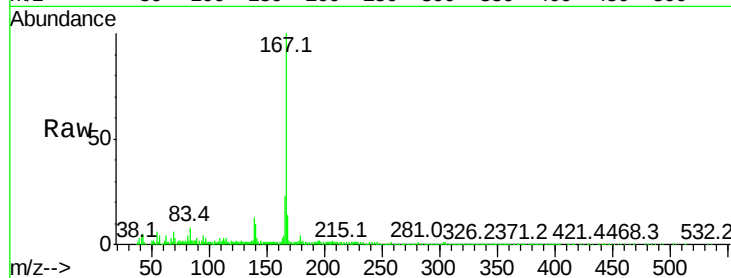
ClientSampleId :

B-25(0.5-1.5)-100517MS

Tot Ion:	167	Resp:	645228
Ion Ratio	Lower	Upper	
167	100		
166	23.4	17.1	25.7
139	13.2	10.0	15.0

Manual Integrations
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#74

Fluoranthene

Concen: 72.175 ng/ul

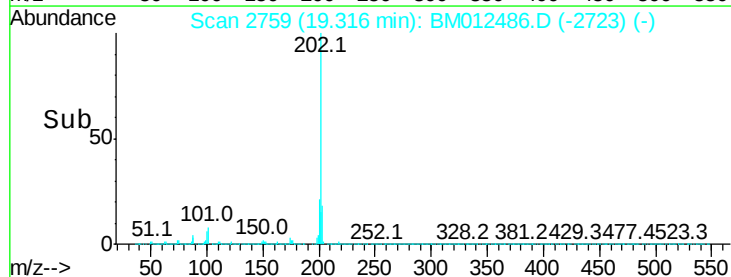
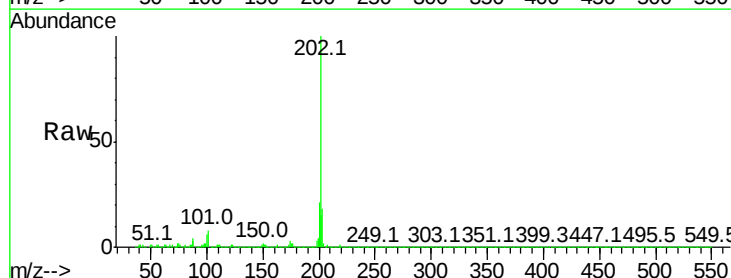
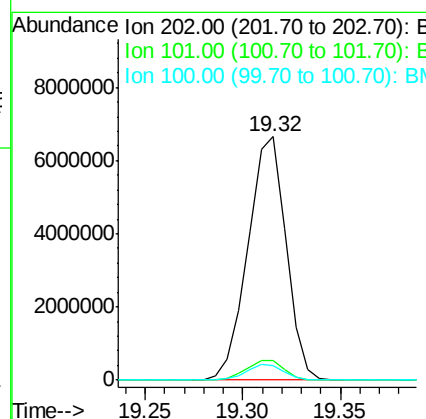
RT: 19.32 min Scan# 2759

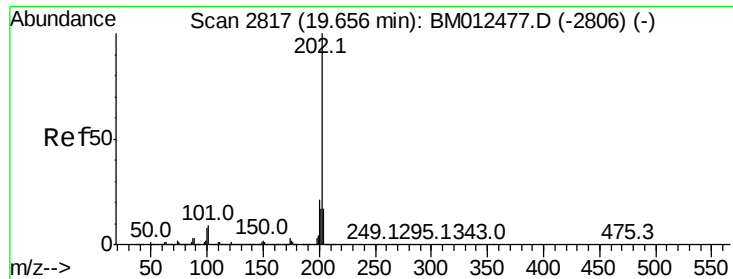
Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Tgt Ion:	202	Resp:	8989147
Ion Ratio	Lower	Upper	
202	100		
101	7.8	4.6	7.0#
100	6.1	3.4	5.2#





#77

Pvrene

Concen: 62.951 ng/ul

RT: 19.67 min Scan# 2820

Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

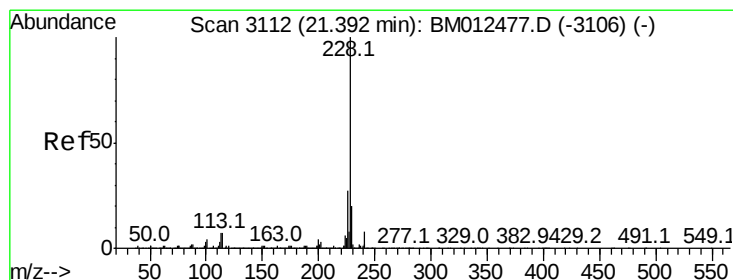
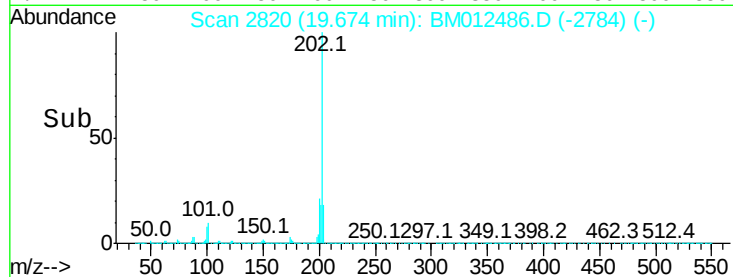
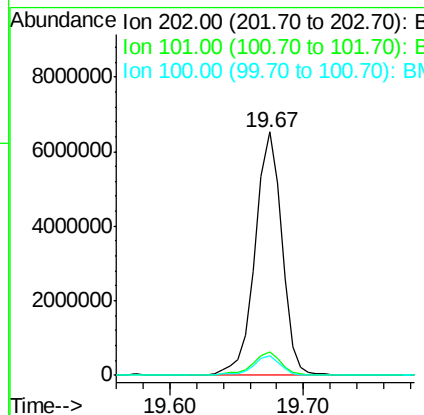
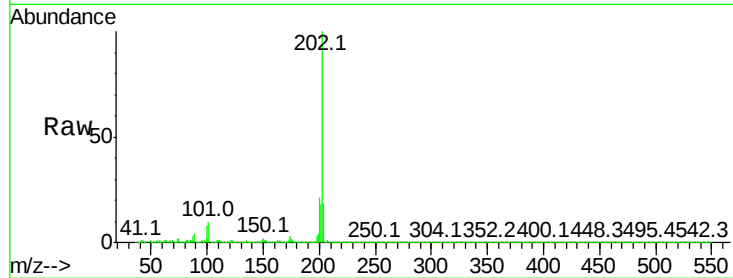
ClientSampleId :

B-25(0.5-1.5)-100517MS

Tot Ion:	202	Resp:	8967016
Ion Ratio	Lower	Upper	
202	100		
101	9.6	5.1	7.7#
100	7.9	4.9	7.3#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 47.710 ng/ul

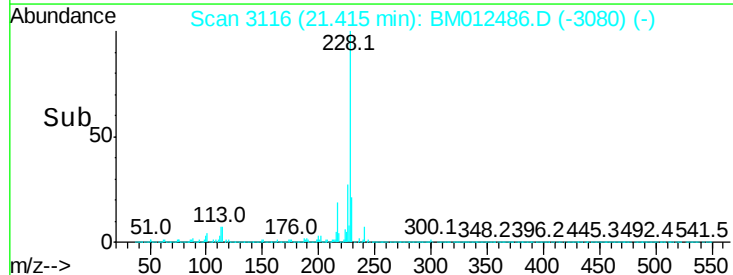
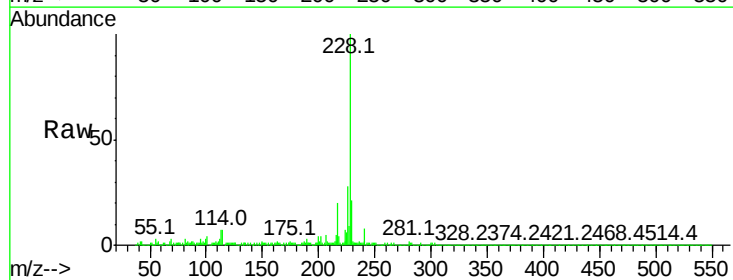
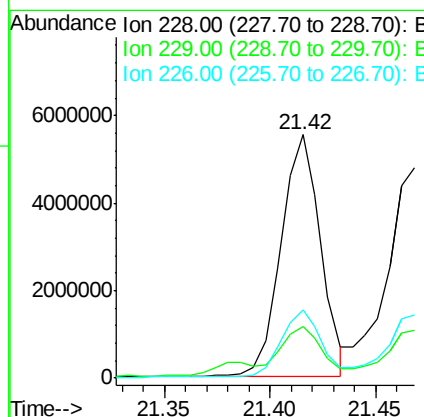
RT: 21.42 min Scan# 3116

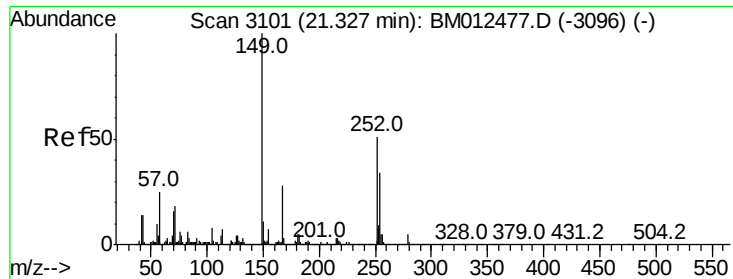
Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Tgt Ion:	228	Resp:	7156352
Ion Ratio	Lower	Upper	
228	100		
229	21.5	15.4	23.0
226	27.8	21.4	32.0





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.857 ng/ul

RT: 21.34 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

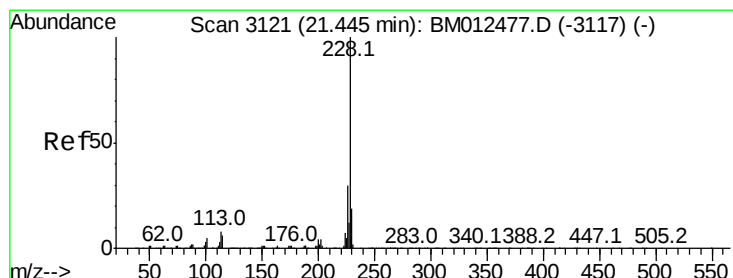
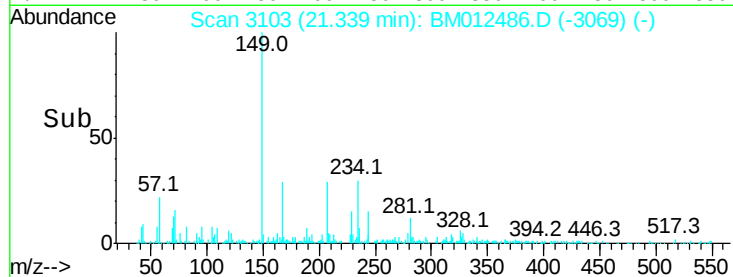
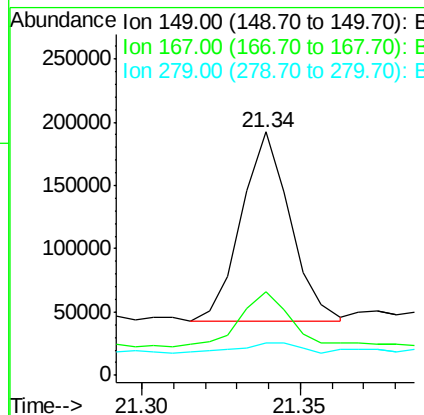
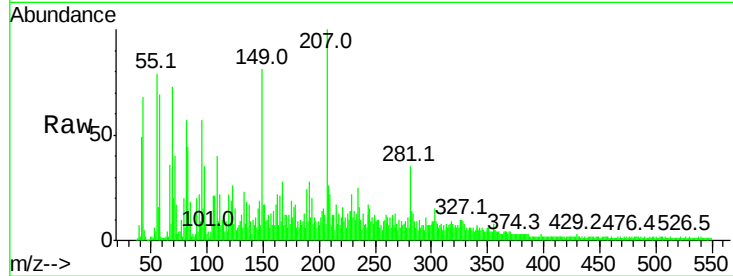
ClientSampleId :

B-25(0.5-1.5)-100517MS

Tot Ion:	149	Resp:	158596
Ion Ratio	Lower	Upper	
149	100		
167	34.6	22.8	34.2#
279	13.2	4.9	7.3#

Manual Integrations
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#82

Chrysene

Concen: 50.757 ng/ul

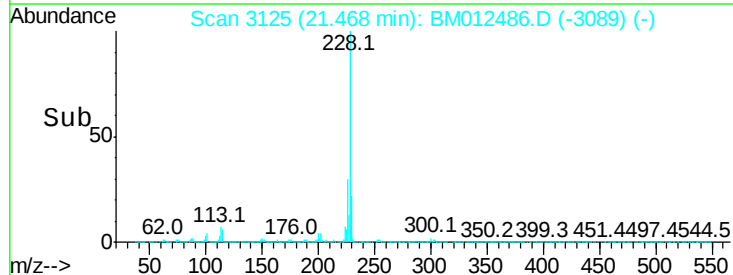
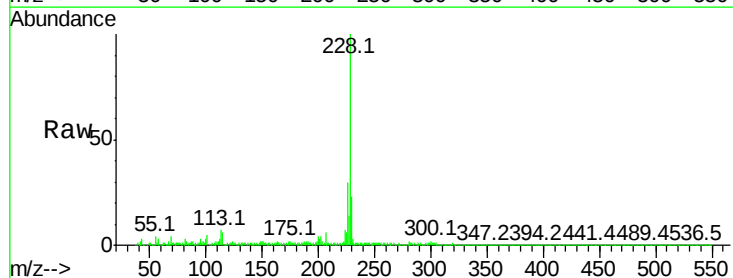
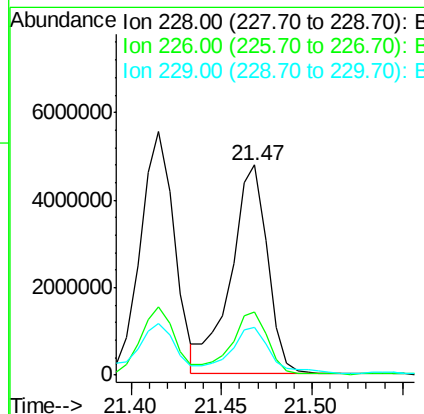
RT: 21.47 min Scan# 3125

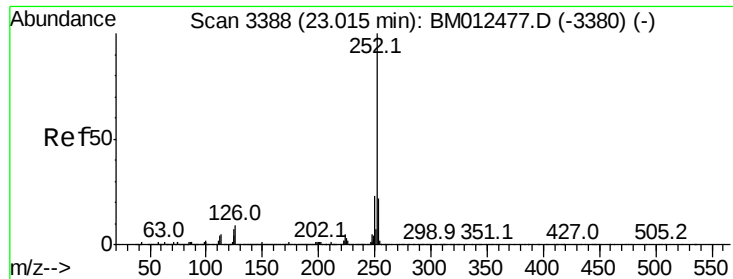
Delta R.T. 0.01 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Tgt Ion:	228	Resp:	6769181
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.4	35.2
229	23.0	15.5	23.3





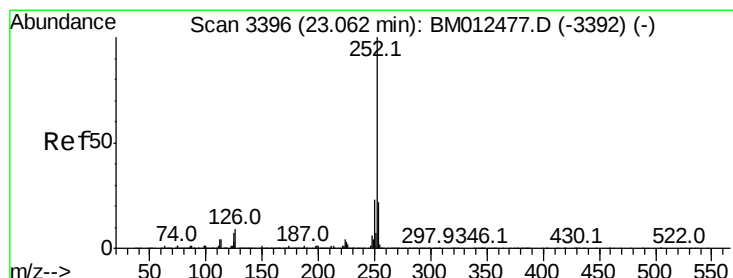
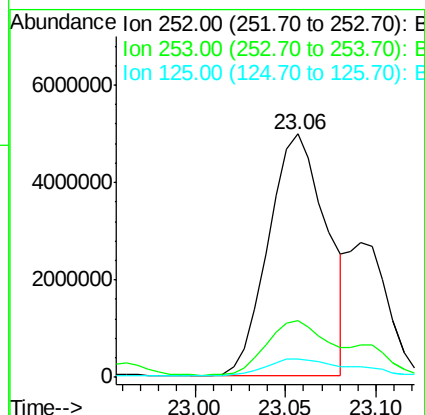
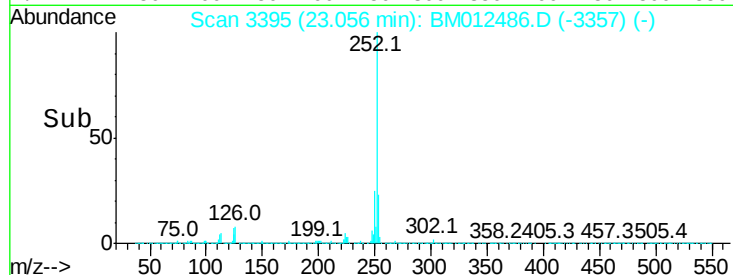
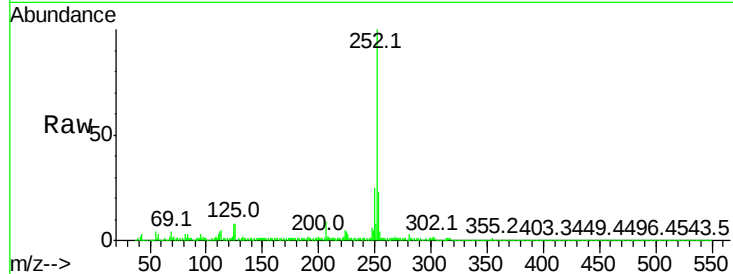
#85
Benzo(b)fluoranthene
Concen: 63.596 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. 0.02 min
Lab File: BM012486.D
Acq: 27 Oct 2017 14:55

Instrument :
BNA_M
ClientSampleId :
B-25(0.5-1.5)-100517MS

Tot Ion:252 Resp:11130670
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 7.5 3.6 5.4#

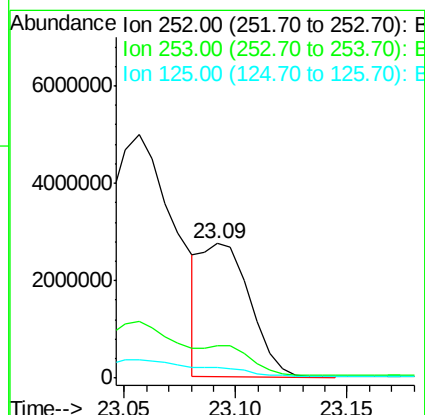
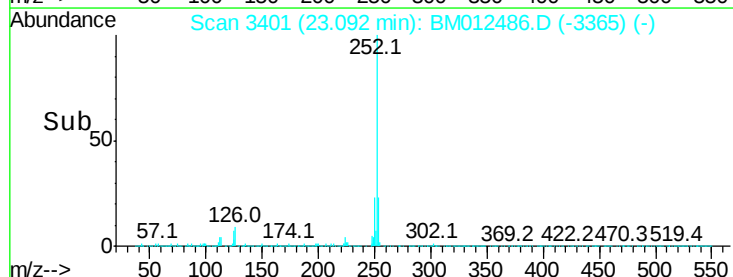
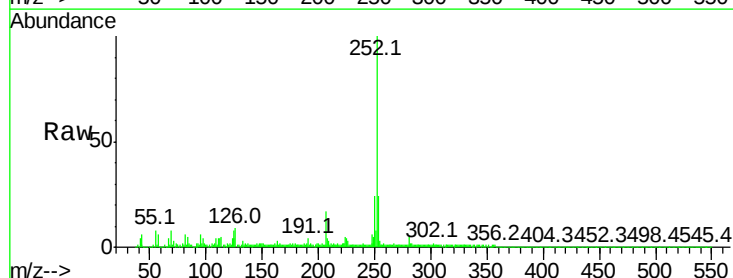
Manual Integrations
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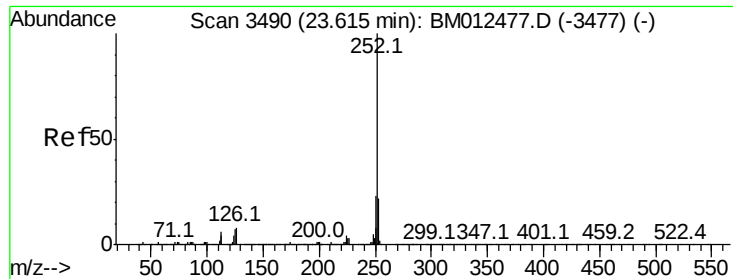
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#86
Benzo(k)fluoranthene
Concen: 25.263 ng/ul m
RT: 23.09 min Scan# 3401
Delta R.T. 0.01 min
Lab File: BM012486.D
Acq: 27 Oct 2017 14:55

Tgt Ion:252 Resp: 4161504
Ion Ratio Lower Upper
252 100
253 24.2 17.1 25.7
125 8.1 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 53.241 ng/ul

RT: 23.65 min Scan# 3496

Delta R.T. 0.02 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

ClientSampleId :

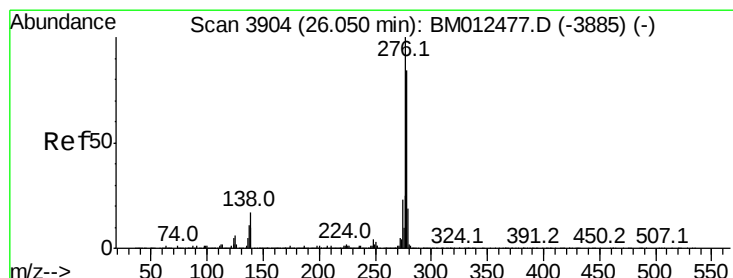
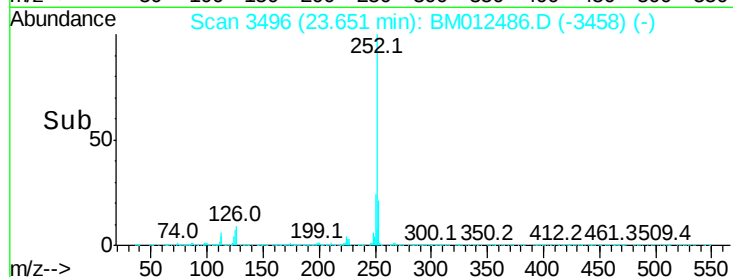
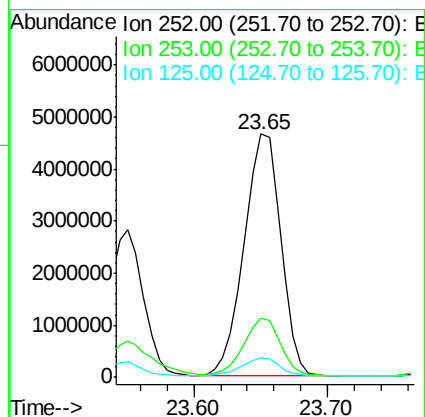
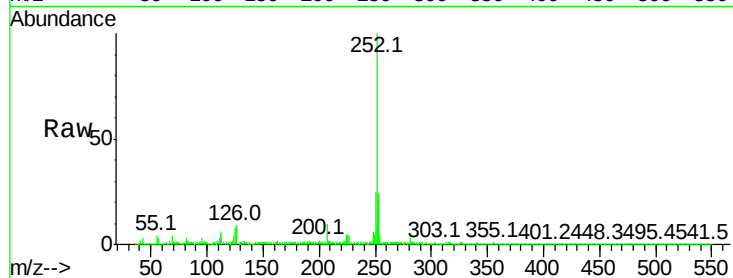
B-25(0.5-1.5)-100517MS

Tot Ion:252 Resp: 8884475

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	8.1	4.0	6.0#

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 30.567 ng/ul

RT: 26.12 min Scan# 3915

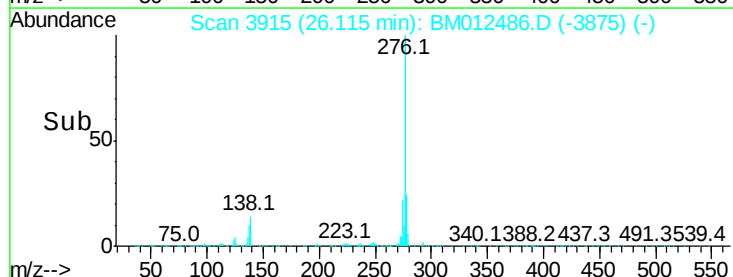
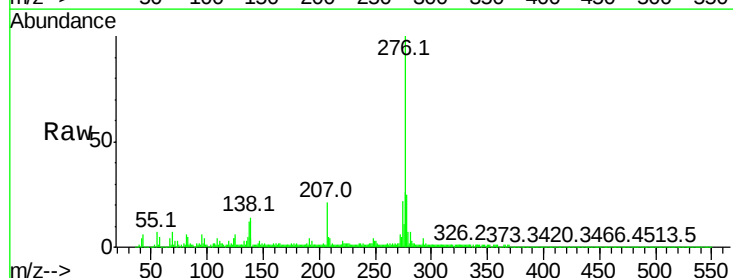
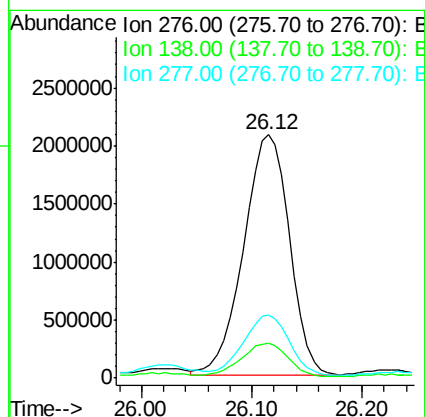
Delta R.T. 0.04 min

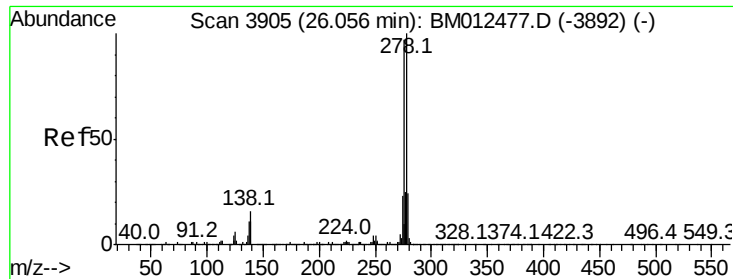
Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Tgt Ion:276 Resp: 6003190

Ion	Ratio	Lower	Upper
276	100		
138	14.3	9.3	13.9#
277	26.0	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 9.917 ng/ul

RT: 26.12 min Scan# 3915

Delta R.T. 0.02 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Instrument :

BNA_M

ClientSampleId :

B-25(0.5-1.5)-100517MS

Tot Ion:278 Resp: 1651231

Ion Ratio Lower Upper

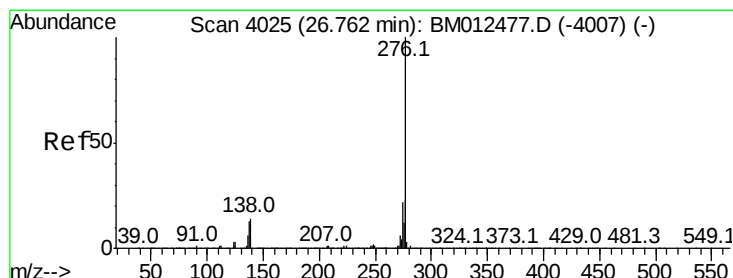
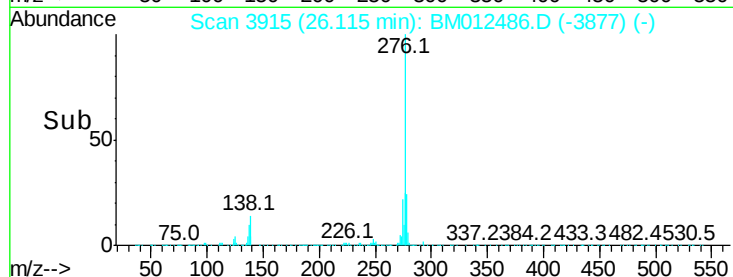
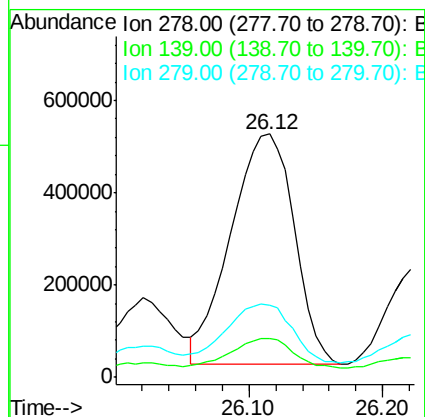
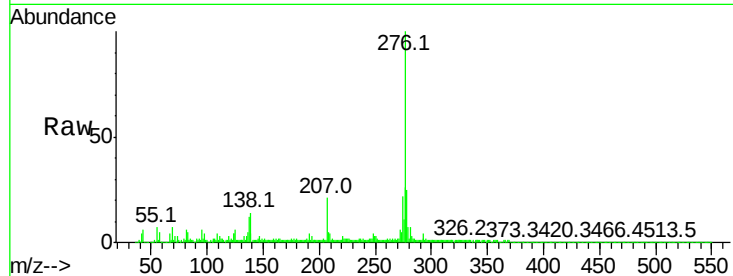
278 100

139 16.2 5.8 8.8#

279 29.4 18.6 27.8#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 32.450 ng/ul

RT: 26.84 min Scan# 4039

Delta R.T. 0.05 min

Lab File: BM012486.D

Acq: 27 Oct 2017 14:55

Tgt Ion:276 Resp: 5165059

Ion Ratio Lower Upper

276 100

138 14.1 8.5 12.7#

277 24.8 18.6 28.0

