

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012485.D
 Acq On : 27 Oct 2017 14:19
 Operator : SJ/JU
 Sample : I5719-07 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 10/30/2017 6:30:11 PM

Quant Time: Oct 30 15:08:18 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	458537	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	1683685	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	953585	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.26	188	2040340	20.00	ng/ul	0.00
75) Chrysene-d12	21.43	240	2765250	20.00	ng/ul	0.01
83) Perylene-d12	23.75	264	3241130	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	13541	1.51	ng/uL	0.00
5) Phenol-d5	7.05	99	281015	7.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	171684	7.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	229116	7.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	225040	6.87	ng/ul	0.00
19) Nitrobenzene-d5	9.04	128	98501	9.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	103429	9.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	230490	8.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.81	131	71599	2.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	667502	8.01	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	824783	8.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	74945	6.05	ng/ul	0.00
57) Fluorene-d10	15.50	176	569586	8.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	17197	1.74	ng/ul	0.01
70) Anthracene-d10	17.35	188	872801	8.98	ng/ul	0.00
76) Pyrene-d10	19.64	212	992514	7.82	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.60	264	1189303	7.72	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	7.08	94	84682	2.123	ng/ul#	87
44) Dimethylphthalate	13.96	163	320796	3.893	ng/ul	99
47) Acenaphthylene	14.23	152	123640	1.315	ng/ul#	96
49) Acenaphthene	14.57	153	113118	1.756	ng/ul	96
58) Fluorene	15.56	166	115269	1.430	ng/ul#	94
69) Phenanthrene	17.30	178	3583434	32.477	ng/ul	99
71) Anthracene	17.39	178	936481	8.212	ng/ul	99
72) Carbazole	17.66	167	708884	7.504	ng/ul	99
74) Fluoranthene	19.32	202	10331510	82.635	ng/ul#	94
77) Pyrene	19.67	202	9522687	60.557	ng/ul#	92
80) Benzo(a)anthracene	21.42	228	8514811	51.422	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.34	149	408141	4.330	ng/ul#	91
82) Chrysene	21.47	228	7555300	51.318	ng/ul	95
85) Benzo(b)fluoranthene	23.06	252	13500365	67.382	ng/ul#	96
86) Benzo(k)fluoranthene	23.09	252	4017344m	21.304	ng/ul	
88) Benzo(a)pyrene	23.65	252	10158528	53.178	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.11	276	6884305	30.621	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.11	278	1907467	10.008	ng/ul#	81
91) Benzo(g,h,i)perylene	26.84	276	5977826	32.808	ng/ul#	93

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

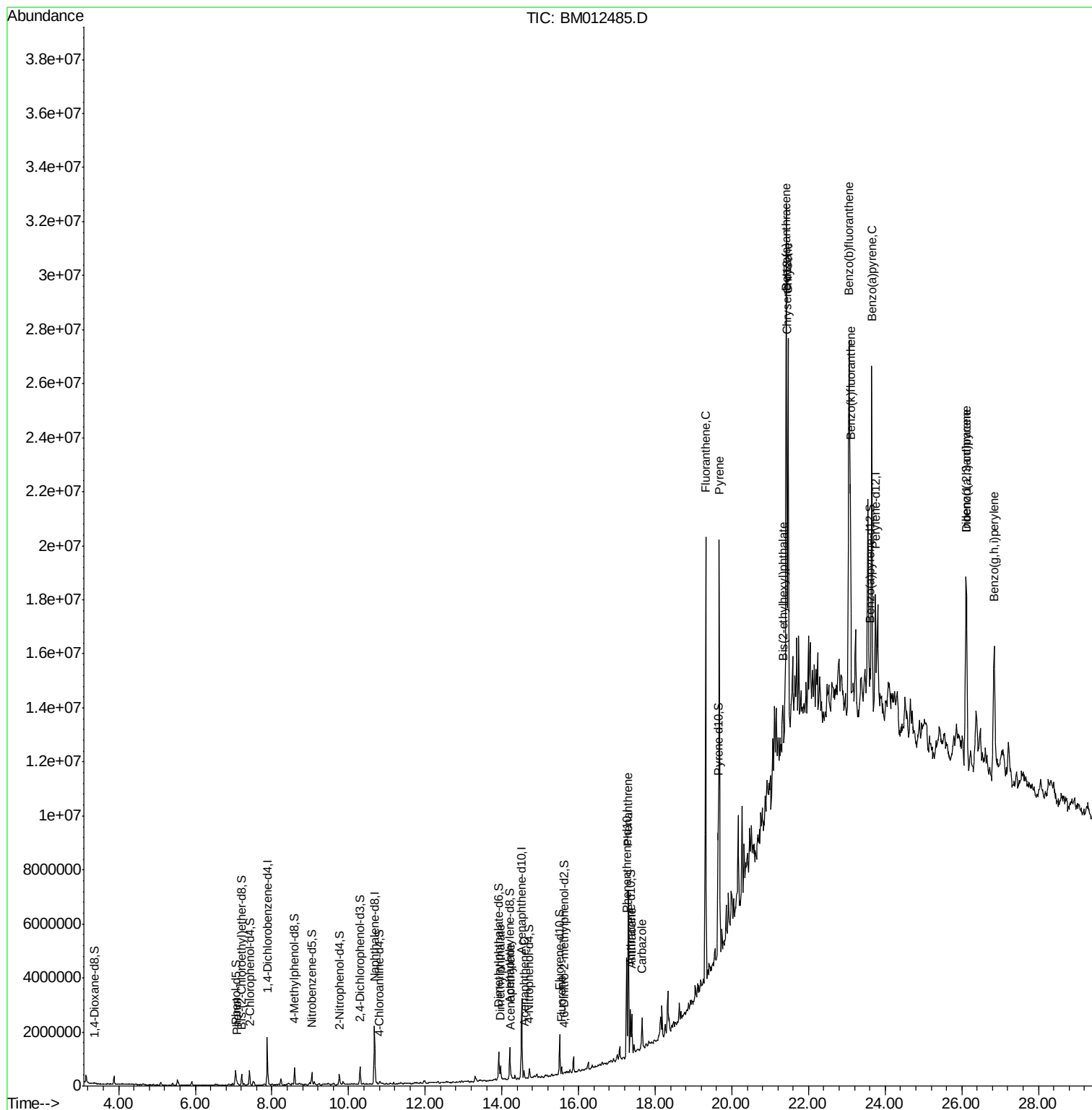
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012485.D
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Sample : I5719-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

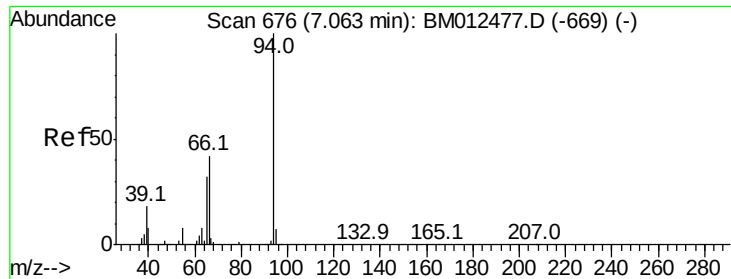
Instrument :
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ClientSampleId :
B-25(0.5-1.5)-100517

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Quant Time: Oct 30 15:08:18 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





#6

Phenol

Concen: 2.123 ng/ul

RT: 7.08 min Scan# 679

Delta R.T. 0.01 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Instrument :

BNA_M

ClientSampleId :

B-25(0.5-1.5)-100517

Tot Ion: 94 Resp: 84682

Ion Ratio Lower Upper

94 100

65 33.7 28.2 42.4

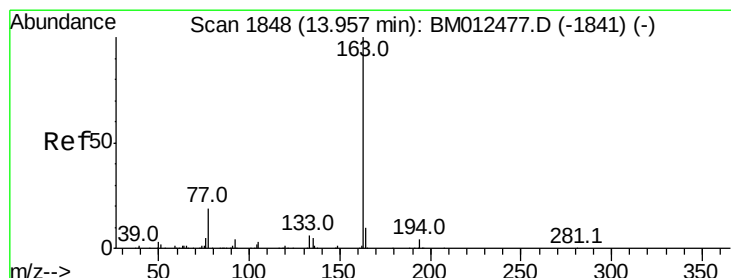
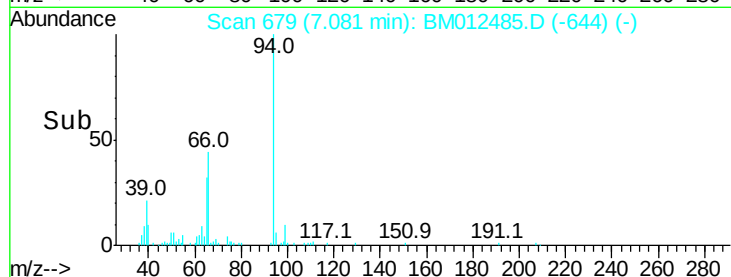
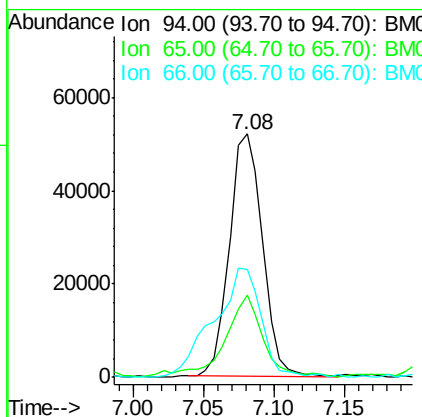
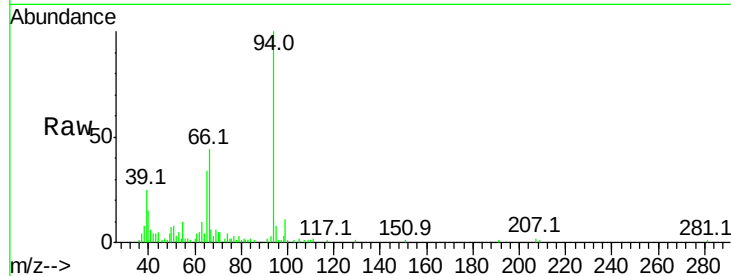
66 44.4 47.2 70.8#

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#44

Dimethylphthalate

Concen: 3.893 ng/ul

RT: 13.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

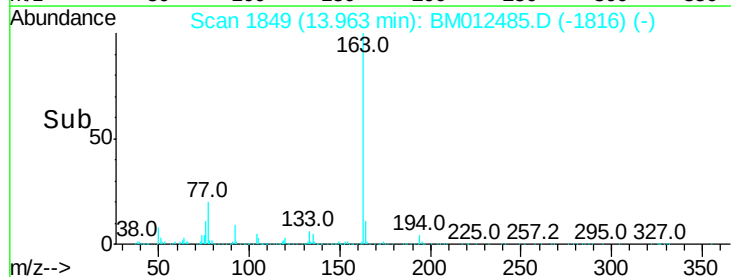
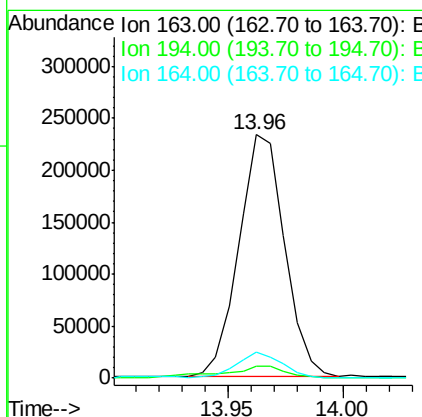
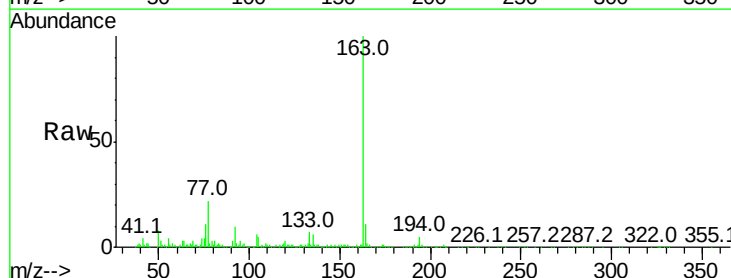
Tgt Ion: 163 Resp: 320796

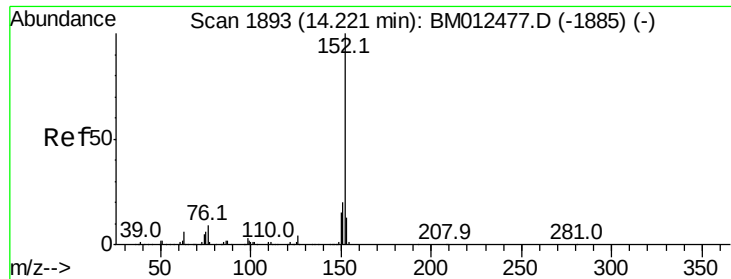
Ion Ratio Lower Upper

163 100

194 4.8 3.5 5.3

164 10.5 8.2 12.4





#47

Acenaphthylene

Concen: 1.315 ng/ul

RT: 14.23 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Instrument :

BNA_M

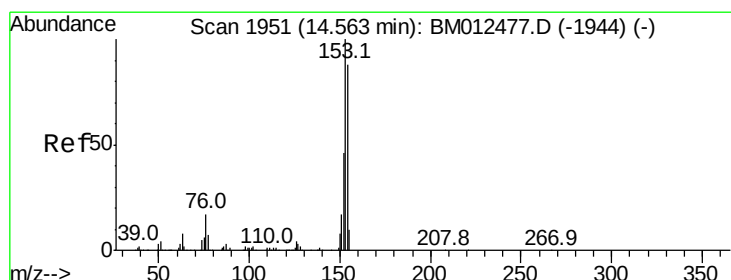
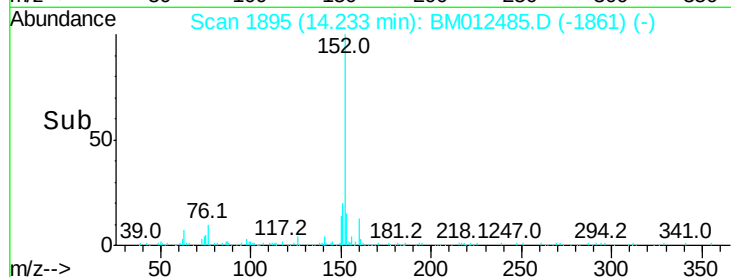
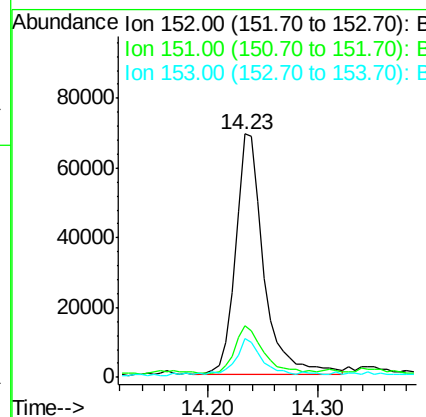
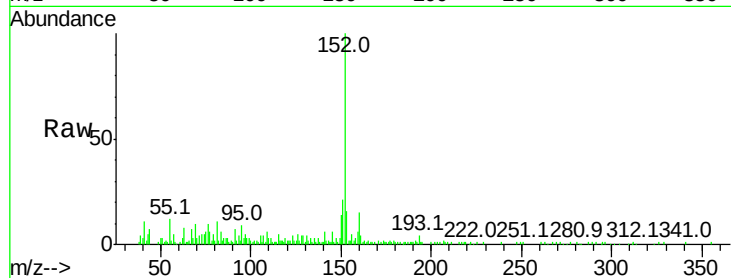
ClientSampleId :

B-25(0.5-1.5)-100517

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
151	21.0	16.3	24.5	
153	15.7	10.2	15.4	

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#49

Acenaphthene

Concen: 1.756 ng/ul

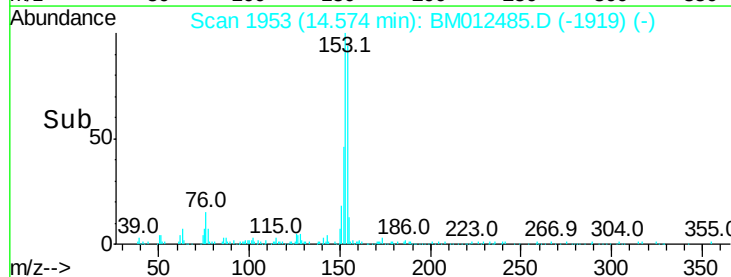
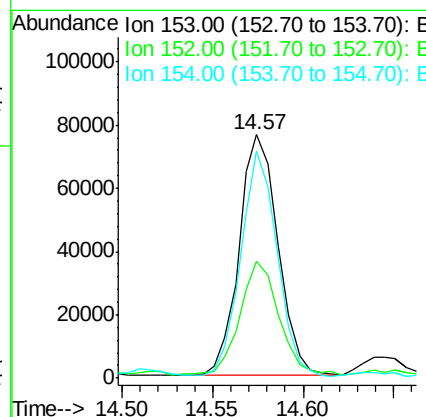
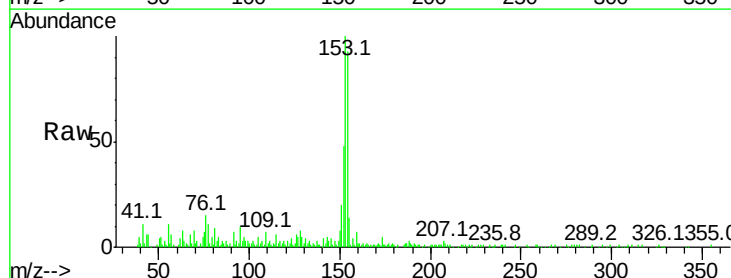
RT: 14.57 min Scan# 1953

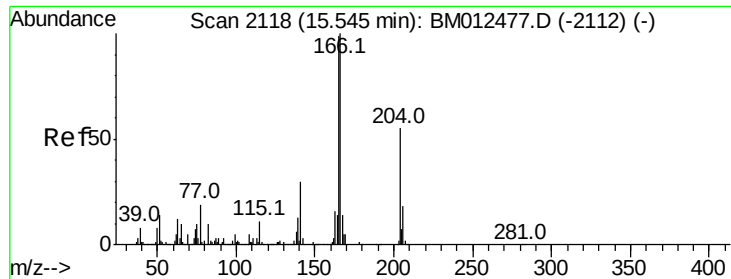
Delta R.T. -0.00 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
153	100			
152	48.1	37.6	56.4	
154	93.3	70.4	105.6	





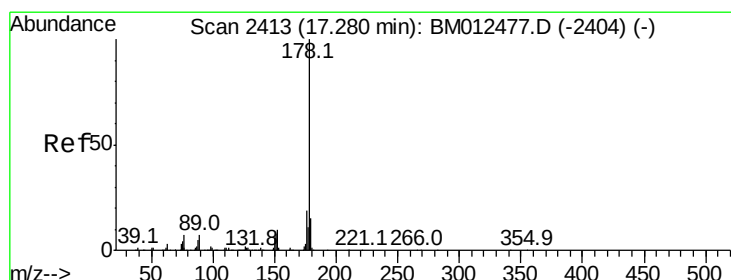
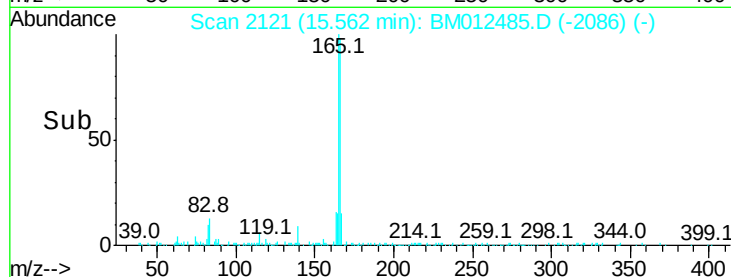
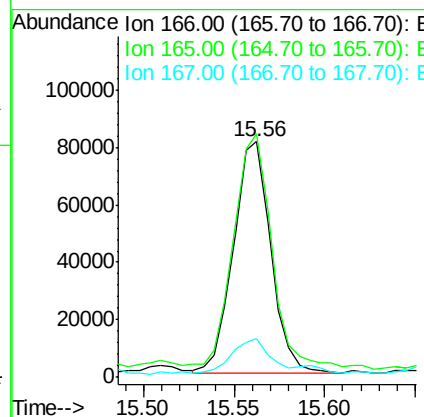
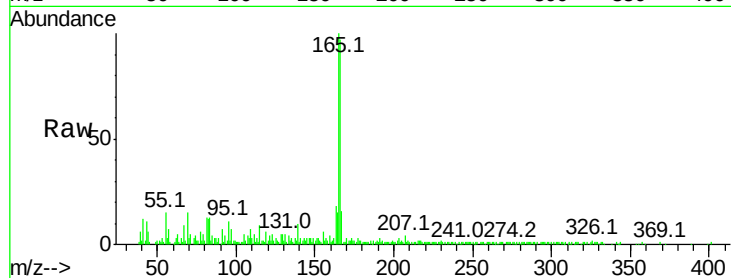
#58
Fluorene
 Concen: 1.430 ng/ul
 RT: 15.56 min Scan# 2121
 Delta R.T. 0.01 min
 Lab File: BM012485.D
 Acq: 27 Oct 2017 14:19

Instrument :
 BNA_M
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	103.3	77.9	116.9
167	16.5	10.6	16.0

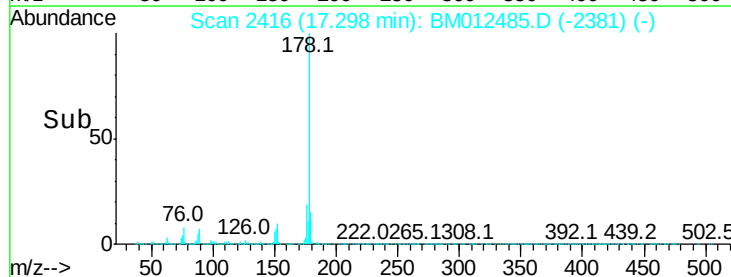
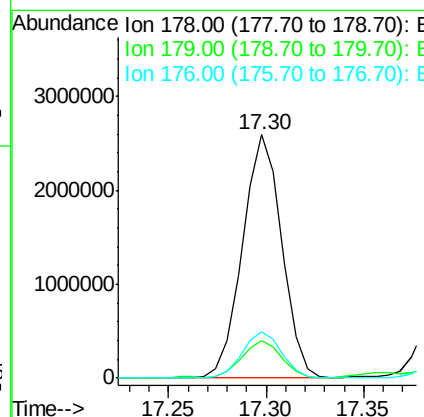
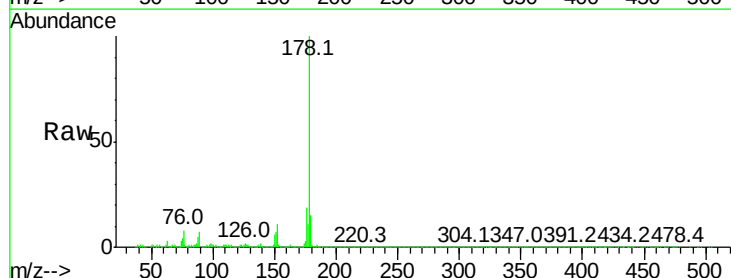
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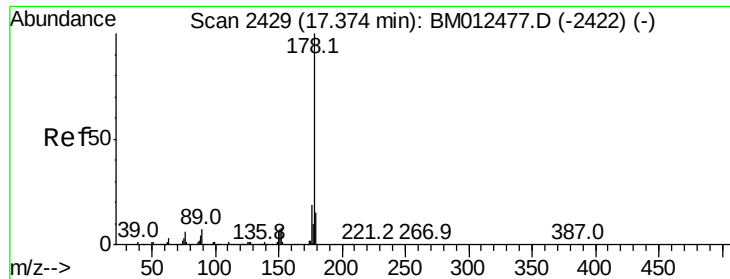
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#69
Phenanthrene
 Concen: 32.477 ng/ul
 RT: 17.30 min Scan# 2416
 Delta R.T. 0.01 min
 Lab File: BM012485.D
 Acq: 27 Oct 2017 14:19

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	18.9	14.9	22.3





#71

Anthracene

Concen: 8.212 ng/ul

RT: 17.39 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Instrument :

BNA_M

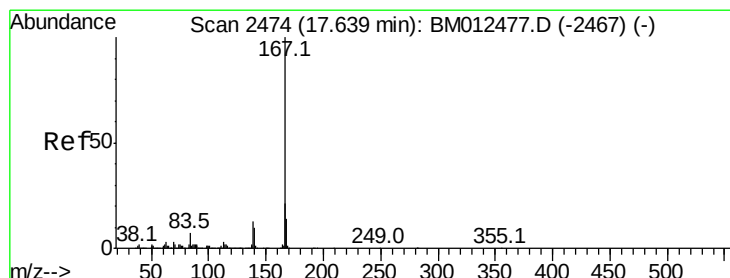
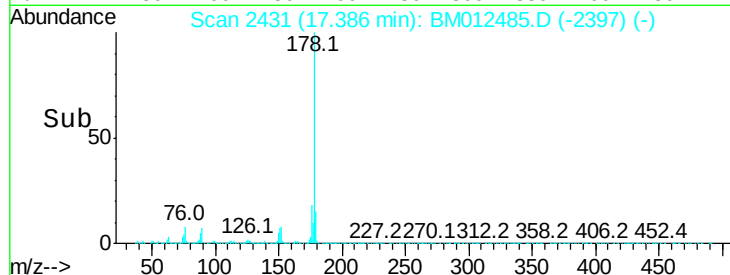
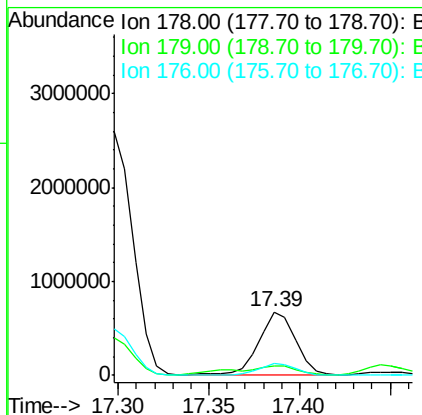
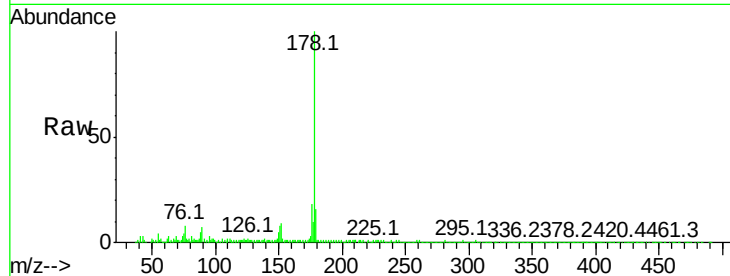
ClientSampleId :

B-25(0.5-1.5)-100517

Tot Ion:	178	Resp:	936481
Ion Ratio	Lower	Upper	
178	100		
179	15.6	11.7	17.5
176	18.3	14.6	21.8

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#72

Carbazole

Concen: 7.504 ng/ul

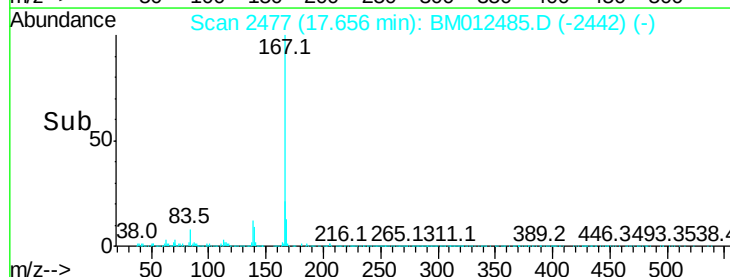
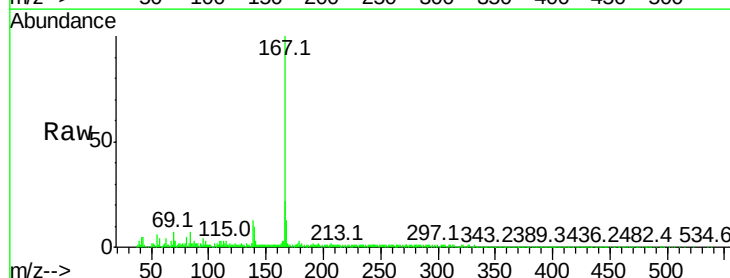
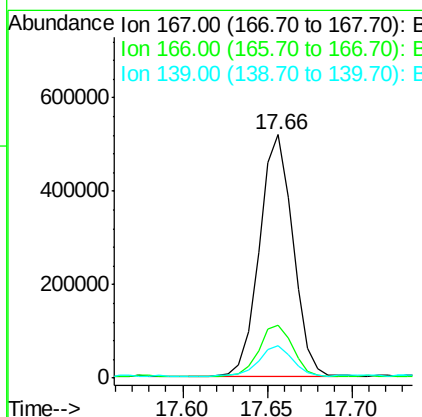
RT: 17.66 min Scan# 2477

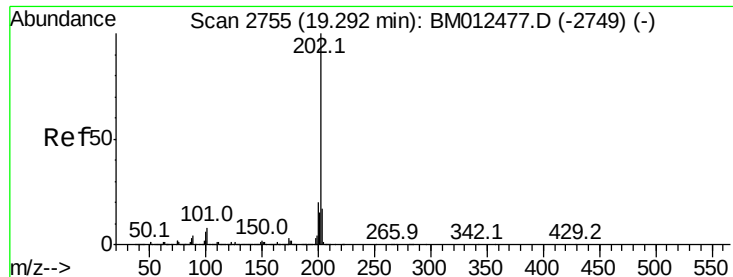
Delta R.T. 0.01 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Tgt Ion:	167	Resp:	708884
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.1	25.7
139	13.1	10.0	15.0





#74

Fluoranthene

Concen: 82.635 ng/ul

RT: 19.32 min Scan# 2759

Delta R.T. 0.01 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Instrument :

BNA_M

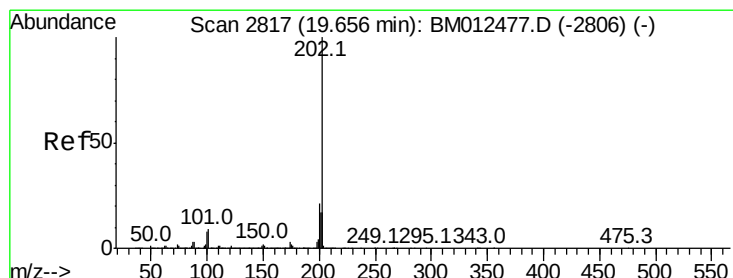
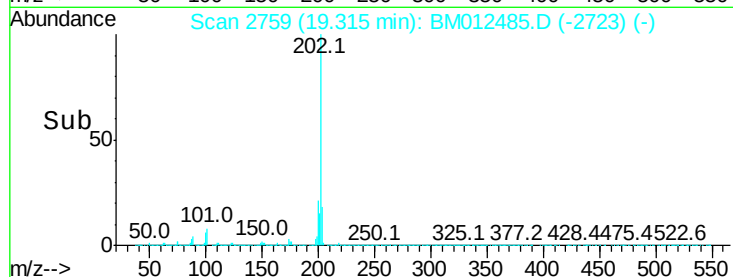
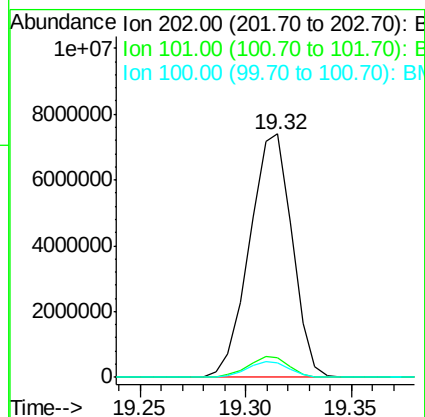
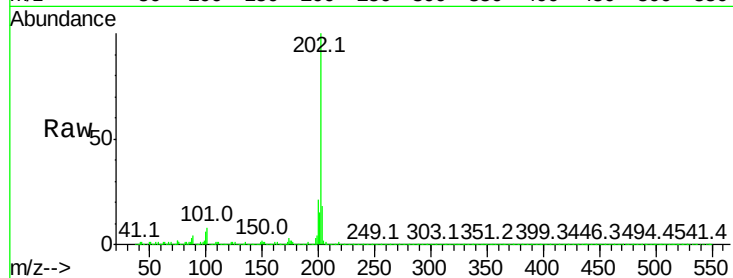
ClientSampleId :

B-25(0.5-1.5)-100517

Tot Ion:	202	Resp:	10331510
Ion	Ratio	Lower	Upper
202	100		
101	7.8	4.6	7.0#
100	6.2	3.4	5.2#

Manual Integrations
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#77

Pyrene

Concen: 60.557 ng/ul

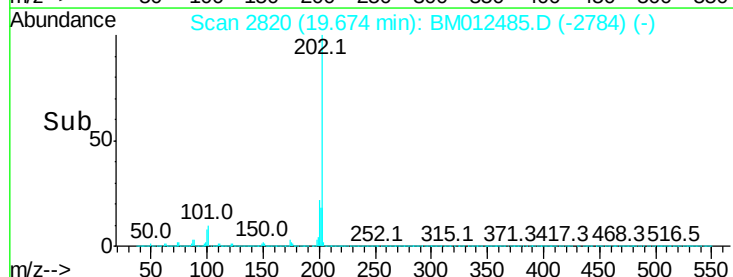
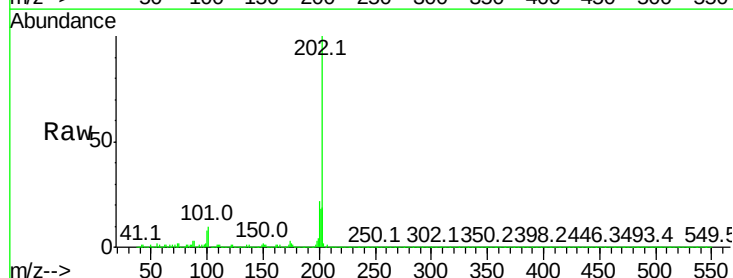
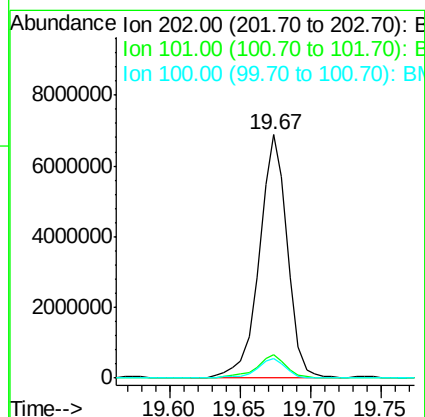
RT: 19.67 min Scan# 2820

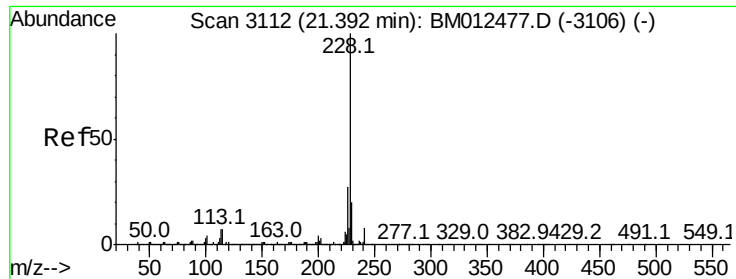
Delta R.T. 0.01 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Tgt Ion:	202	Resp:	9522687
Ion	Ratio	Lower	Upper
202	100		
101	9.8	5.1	7.7#
100	8.2	4.9	7.3#





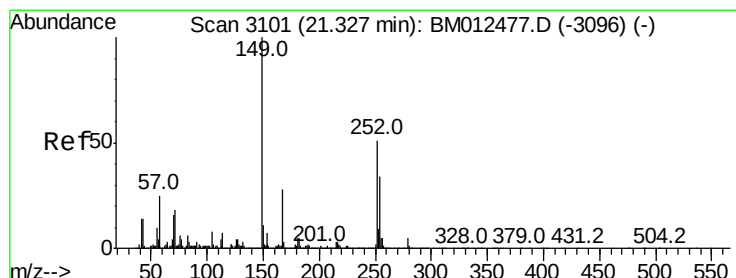
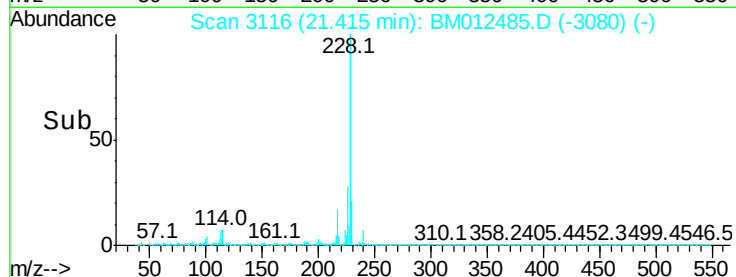
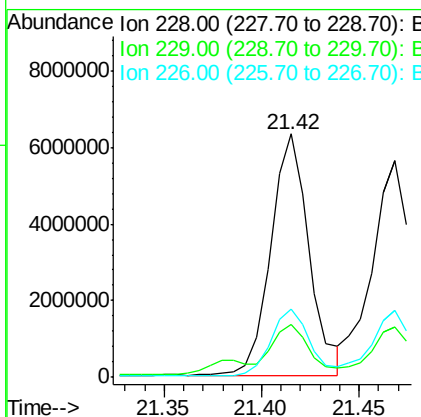
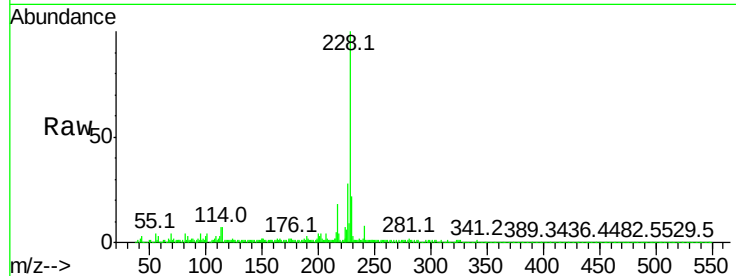
#80
Benzo(a)anthracene
Concen: 51.422 ng/ul
RT: 21.42 min Scan# 3116
Delta R.T. 0.01 min
Lab File: BM012485.D
Acq: 27 Oct 2017 14:19

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

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.4	23.0
226	28.2	21.4	32.0

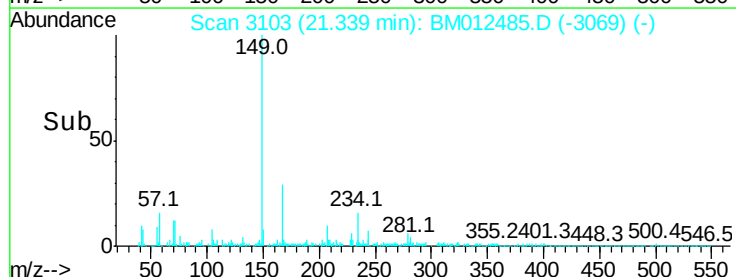
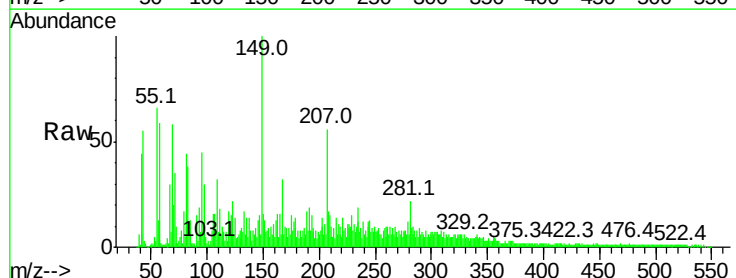
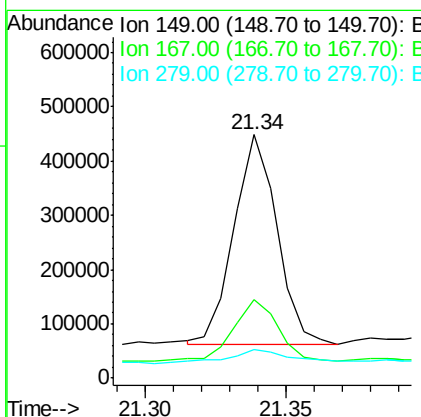
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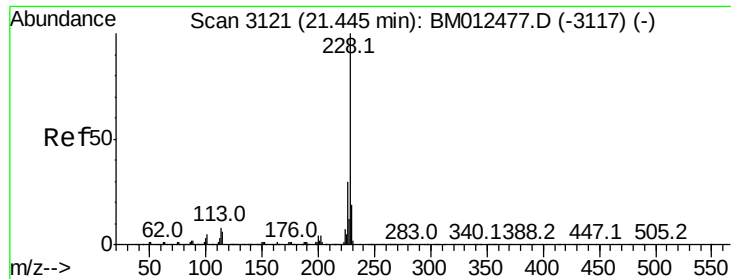
Sohil
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#81
Bis(2-ethylhexyl)phthalate
Concen: 4.330 ng/ul
RT: 21.34 min Scan# 3103
Delta R.T. -0.00 min
Lab File: BM012485.D
Acq: 27 Oct 2017 14:19

Tgt Ion	Ratio	Lower	Upper
149	100		
167	32.1	22.8	34.2
279	11.6	4.9	7.3#





#82

Chrysene

Concen: 51.318 ng/ul

RT: 21.47 min Scan# 3125

Delta R.T. 0.01 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Instrument :

BNA_M

ClientSampleId :

B-25(0.5-1.5)-100517

Tot Ion:228 Resp: 7555300

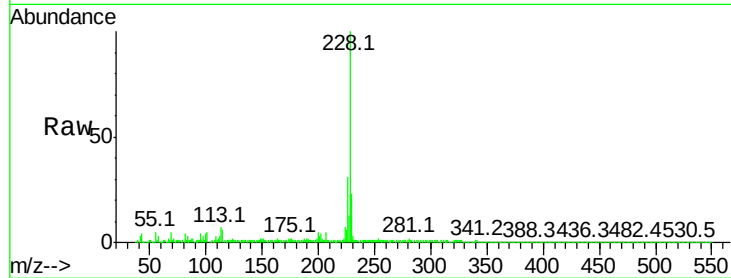
Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.2
229	23.2	15.5	23.3

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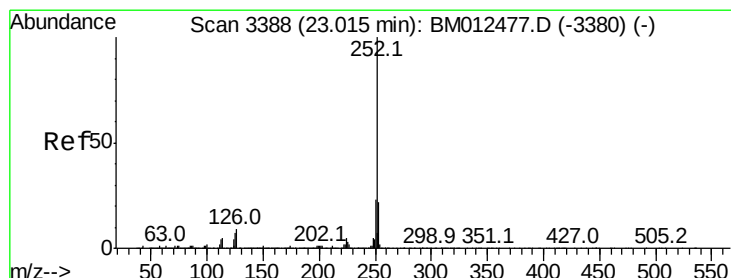
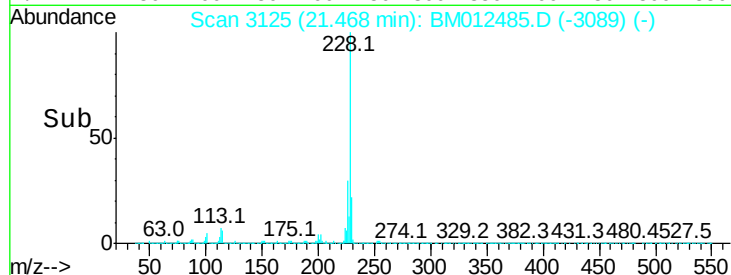
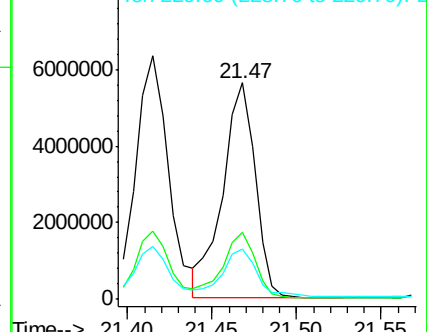


Abundance

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



#85

Benzo(b)fluoranthene

Concen: 67.382 ng/ul

RT: 23.06 min Scan# 3395

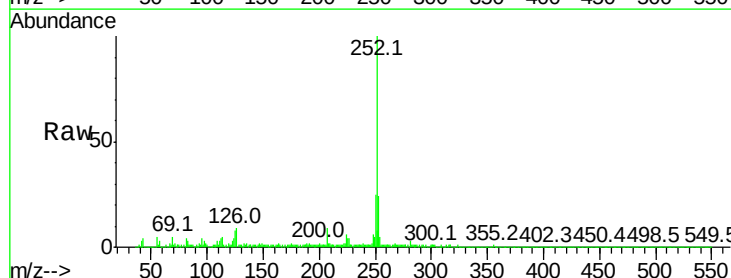
Delta R.T. 0.02 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Tgt Ion:252 Resp:13500365

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	8.0	3.6	5.4

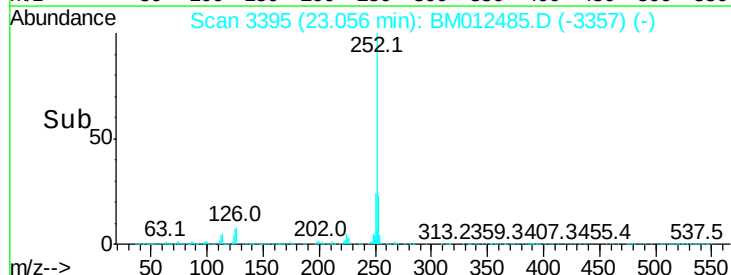
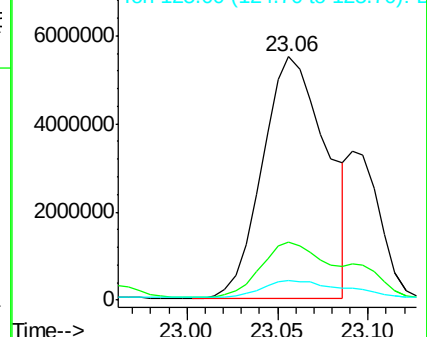


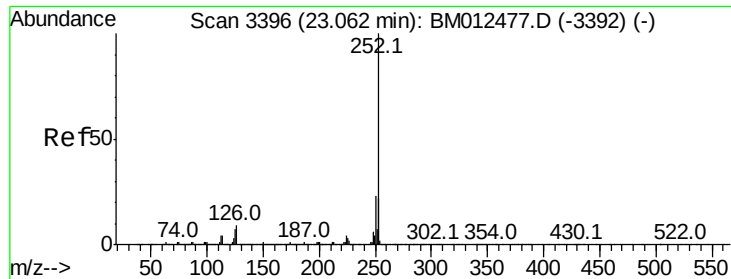
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





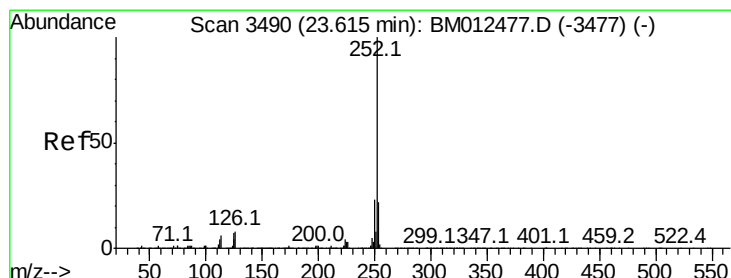
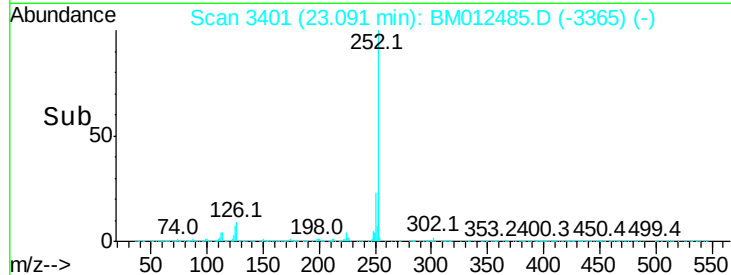
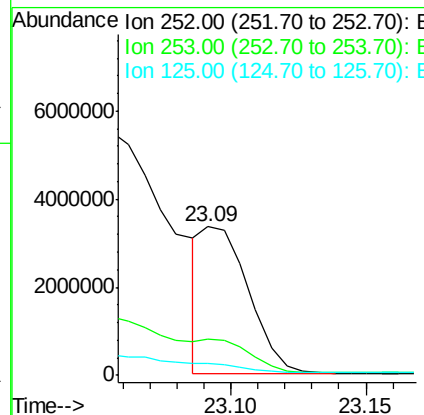
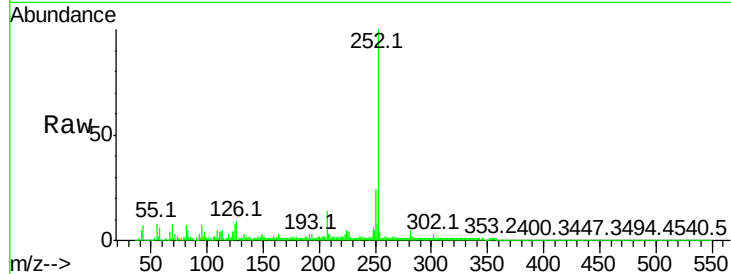
#86
Benzo(k)fluoranthene
Concen: 21.304 ng/ul m
RT: 23.09 min Scan# 3401
Delta R.T. 0.01 min
Lab File: BM012485.D
Acq: 27 Oct 2017 14:19

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

Tot Ion:252 Resp: 4017344
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 8.4 3.4 5.2#

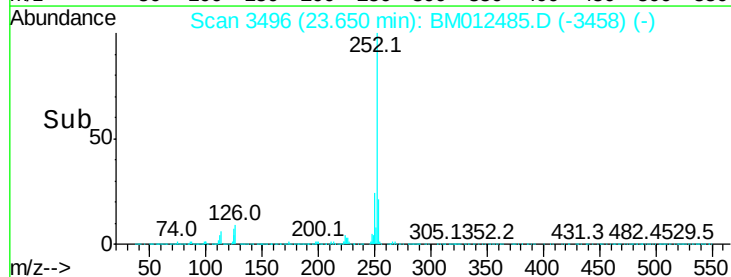
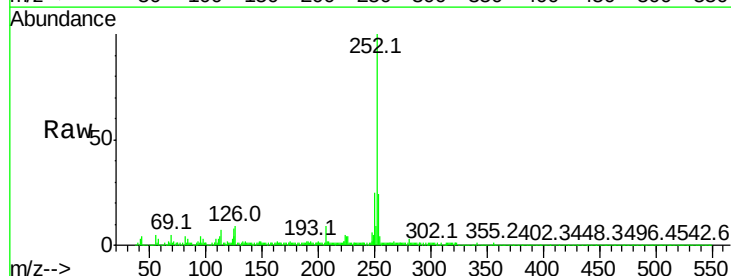
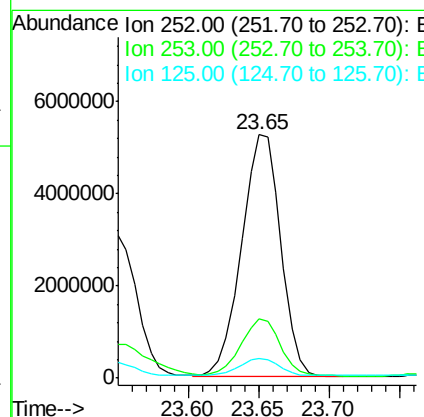
Manual Integrations
APPROVED

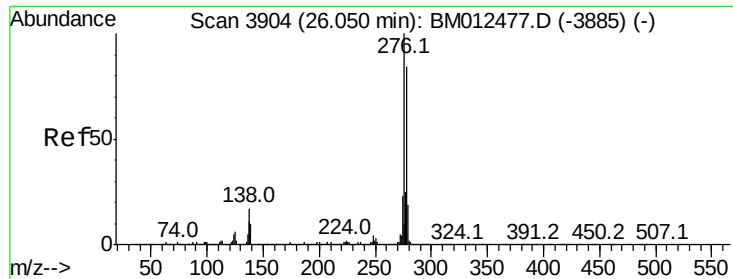
Sohil
10/30/2017 6:30:11 PM



#88
Benzo(a)pyrene
Concen: 53.178 ng/ul
RT: 23.65 min Scan# 3496
Delta R.T. 0.02 min
Lab File: BM012485.D
Acq: 27 Oct 2017 14:19

Tgt Ion:252 Resp:10158528
Ion Ratio Lower Upper
252 100
253 24.3 18.2 27.2
125 8.2 4.0 6.0#





#89

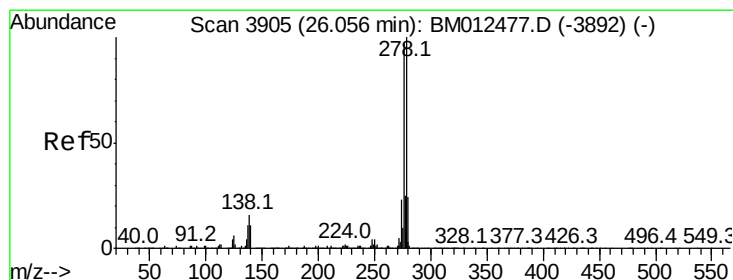
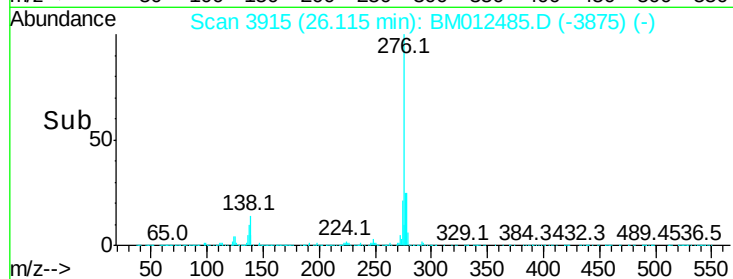
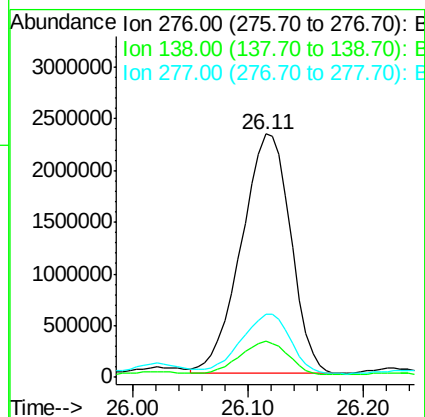
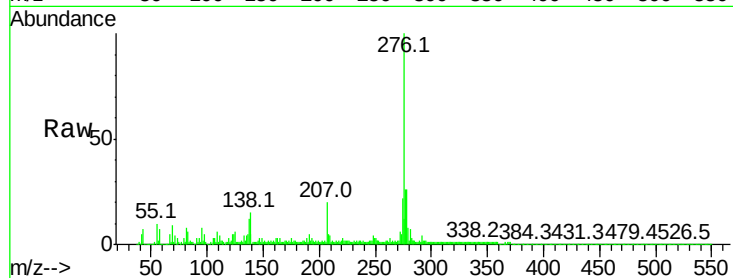
Indeno(1,2,3-cd)pyrene
Concen: 30.621 ng/ul
RT: 26.11 min Scan# 3915
Delta R.T. 0.04 min
Lab File: BM012485.D
Acq: 27 Oct 2017 14:19

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

Tot Ion:276 Resp: 6884305
Ion Ratio Lower Upper
276 100
138 14.7 9.3 13.9#
277 25.9 19.9 29.9

Manual Integrations
APPROVED

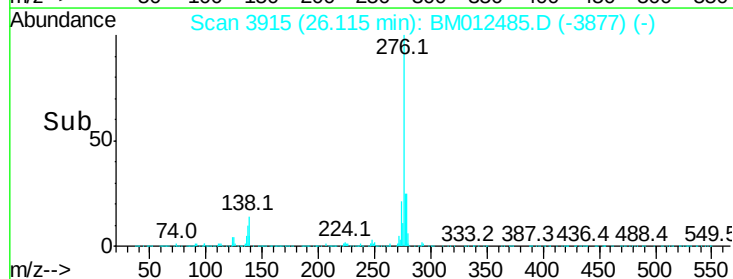
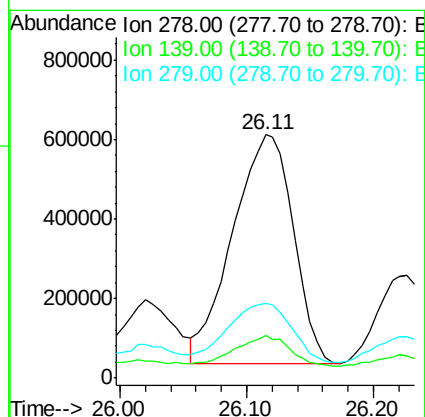
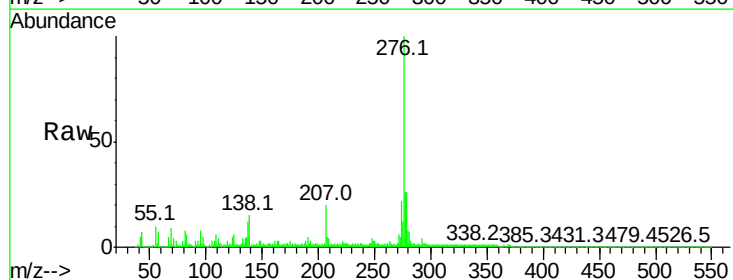
Sohil
10/30/2017 6:30:11 PM

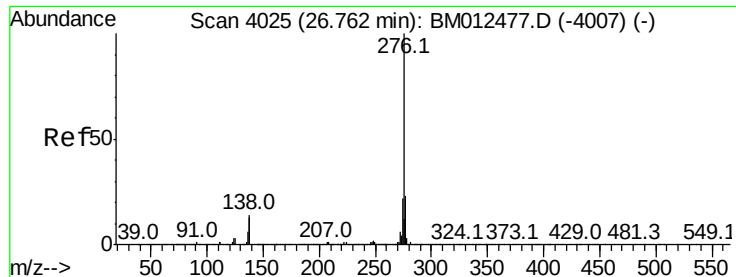


#90

Dibenzo(a,h)anthracene
Concen: 10.008 ng/ul
RT: 26.11 min Scan# 3915
Delta R.T. 0.02 min
Lab File: BM012485.D
Acq: 27 Oct 2017 14:19

Tgt Ion:278 Resp: 1907467
Ion Ratio Lower Upper
278 100
139 17.7 5.8 8.8#
279 30.7 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 32.808 ng/ul

RT: 26.84 min Scan# 4039

Delta R.T. 0.05 min

Lab File: BM012485.D

Acq: 27 Oct 2017 14:19

Instrument :

BNA_M

ClientSampleId :

B-25(0.5-1.5)-100517

Tot Ion: 276 Resp: 5977826

Ion Ratio Lower Upper

276 100

138 14.6 8.5 12.7#

277 26.0 18.6 28.0

Manual Integrations

APPROVED

Sohil

10/30/2017 6:30:11 PM

