

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
 Data File : BM012076.D
 Acq On : 11 Oct 2017 19:07
 Operator : SJ/JU
 Sample : I5490-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-43(5-7)-092617

Manual Integrations
 APPROVED

Sohil
 10/13/2017 12:09:16 PM

Quant Time: Oct 12 02:15:12 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 01:21:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	287681	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1237264	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	756494	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1636815	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1403702	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1358883	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	25216	4.15	ng/uL	0.00
5) Phenol-d5	7.00	99	645377	26.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	623057	42.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	480280	24.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	486371	22.73	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	270488	30.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	277306	27.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	506192	25.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	287350	13.13	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1606008	24.50	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1989953	25.83	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	187766	16.39	ng/ul	0.00
57) Fluorene-d10	15.48	176	1385943	23.95	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	135145	12.27	ng/ul	0.00
70) Anthracene-d10	17.33	188	2076189	25.74	ng/ul	0.00
76) Pyrene-d10	19.63	212	2039070	32.20	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.59	264	1635937	25.03	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.69	128	1201176	19.353	ng/ul#	95
34) 2-Methylnaphthalene	12.30	142	185436	3.918	ng/ul	96
44) Dimethylphthalate	13.94	163	700996	11.114	ng/ul	100
47) Acenaphthylene	14.21	152	133408	1.786	ng/ul#	96
49) Acenaphthene	14.55	153	178997	3.463	ng/ul	99
53) Dibenzofuran	14.89	168	178616	2.381	ng/ul	96
58) Fluorene	15.53	166	296509	4.733	ng/ul	98
69) Phenanthrene	17.27	178	3475369	38.600	ng/ul	99
71) Anthracene	17.36	178	845560	9.230	ng/ul	98
74) Fluoranthene	19.29	202	5700253	51.889	ng/ul#	90
77) Pyrene	19.66	202	5537282	71.144	ng/ul#	90
80) Benzo(a)anthracene	21.40	228	2796301	34.773	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.31	149	1149797	25.350	ng/ul	99
82) Chrysene	21.45	228	2745110	35.928	ng/ul	97
85) Benzo(b)fluoranthene	23.03	252	3594994	43.524	ng/ul#	95
86) Benzo(k)fluoranthene	23.07	252	1019676m	12.365	ng/ul	
88) Benzo(a)pyrene	23.63	252	2509223	31.616	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.10	276	1814690	21.367	ng/ul#	95
90) Dibenzo(a,h)anthracene	26.10	278	505045	7.237	ng/ul#	83
91) Benzo(g,h,i)perylene	26.83	276	1704198	24.257	ng/ul#	92

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

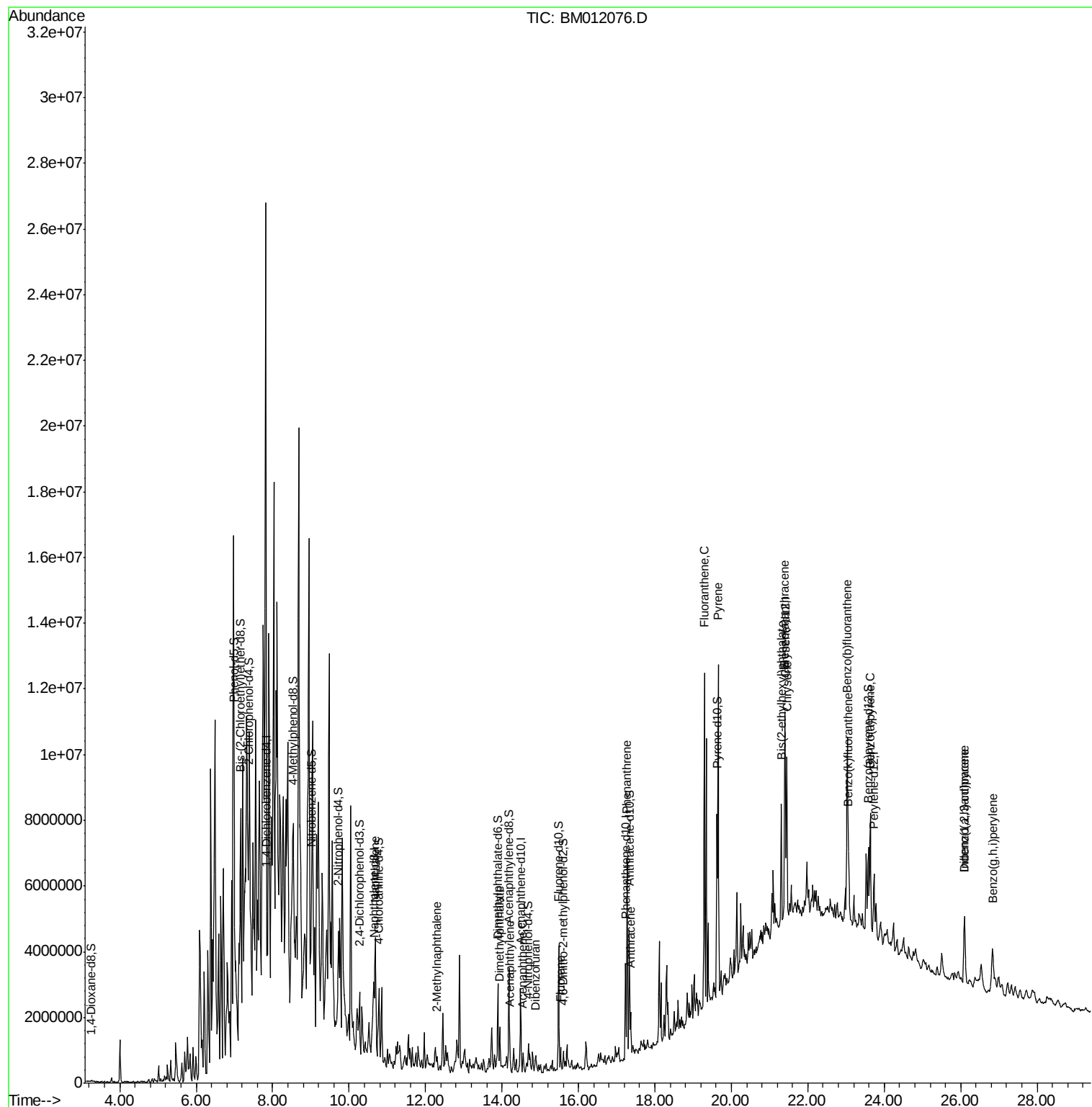
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
Data File : BM012076.D
Acq On : 11 Oct 2017 19:07
Operator : SJ/JU
Sample : I5490-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

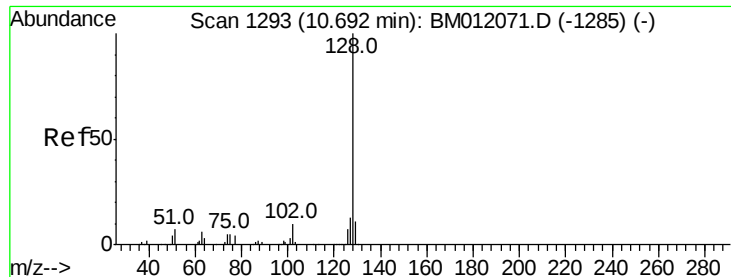
Instrument :
BNA_M
ClientSampleId :
B-43(5-7)-092617

Manual Integrations
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Quant Time: Oct 12 02:15:12 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 12 01:21:53 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 19.353 ng/ul

RT: 10.69 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BM012076.D

Acq: 11 Oct 2017 19:07

Instrument :

BNA_M

ClientSampleId :

B-43(5-7)-092617

Tot Ion:128 Resp: 1201176

Ion Ratio Lower Upper

128 100

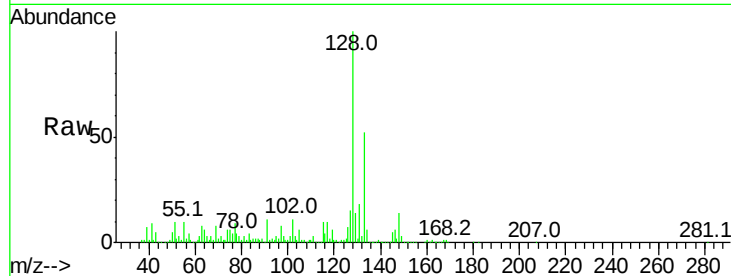
129 13.5 8.8 13.2#

127 14.7 10.6 16.0

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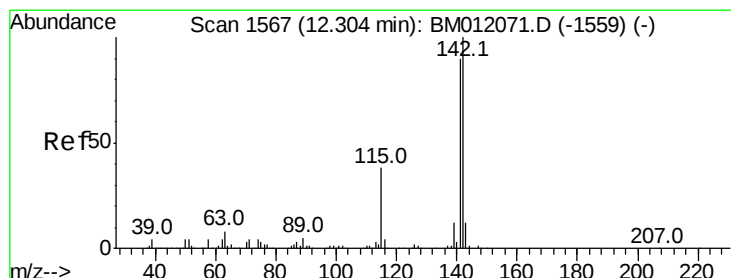
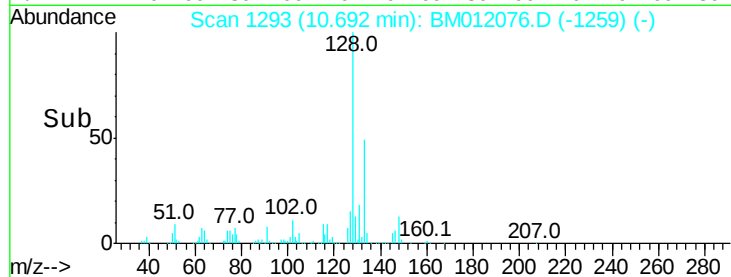
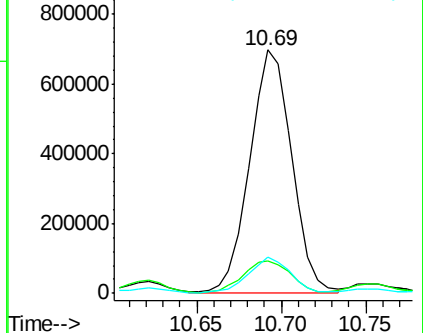
10/13/2017 12:09:16 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 3.918 ng/ul

RT: 12.30 min Scan# 1567

Delta R.T. 0.00 min

Lab File: BM012076.D

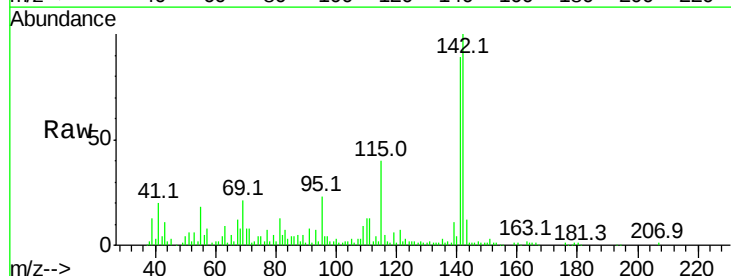
Acq: 11 Oct 2017 19:07

Tgt Ion:142 Resp: 185436

Ion Ratio Lower Upper

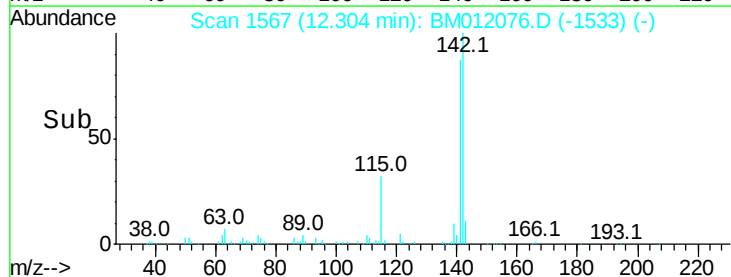
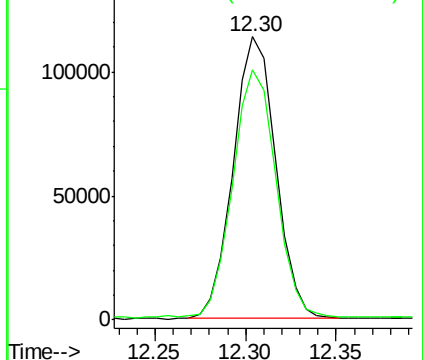
142 100

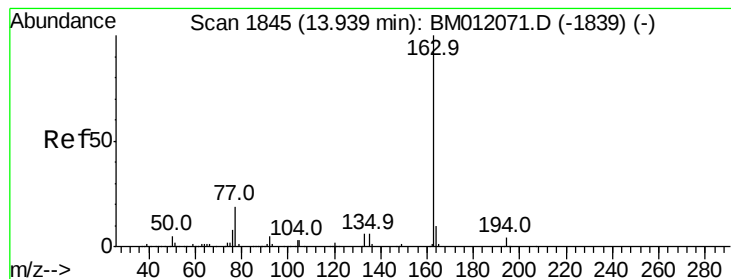
141 88.5 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 11.114 ng/ul

RT: 13.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BM012076.D

Acq: 11 Oct 2017 19:07

Instrument :

BNA_M

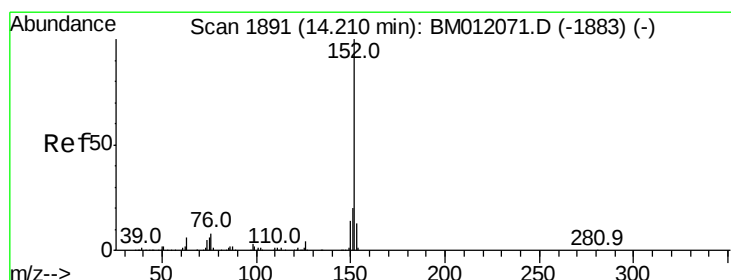
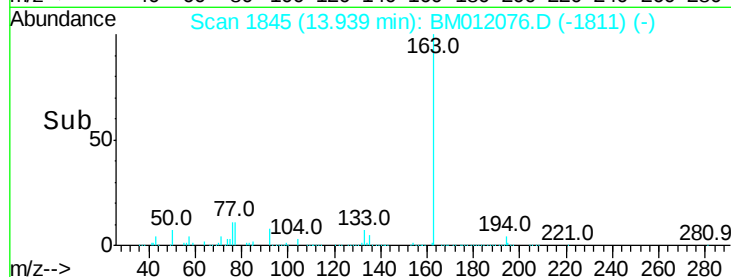
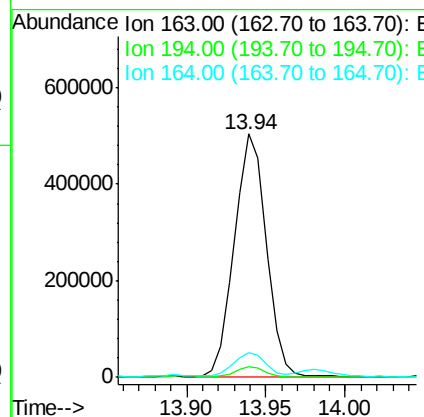
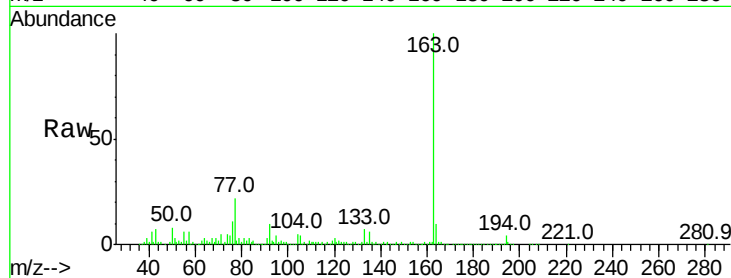
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
163	100	700996		
194	4.3		3.5	5.3
164	10.3		8.2	12.4

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#47

Acenaphthylene

Concen: 1.786 ng/ul

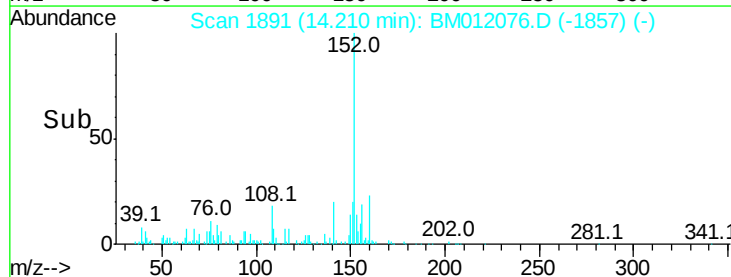
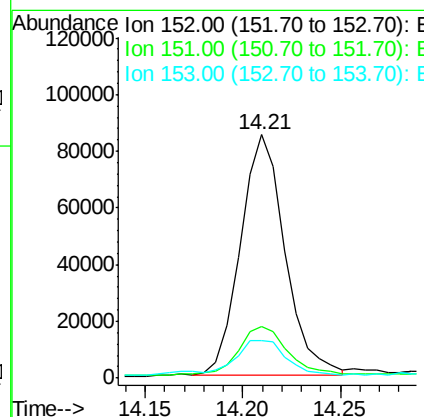
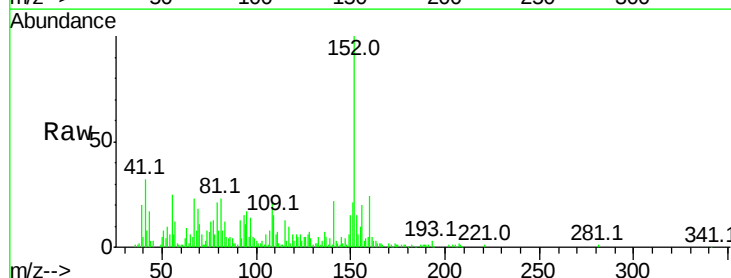
RT: 14.21 min Scan# 1891

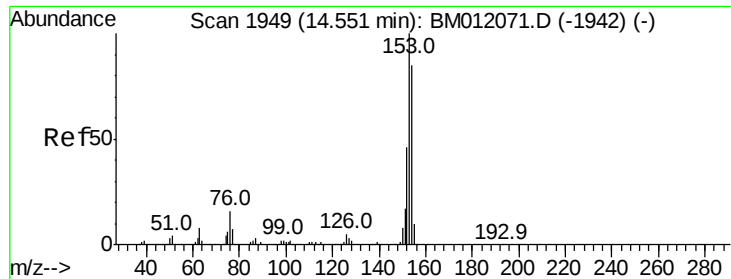
Delta R.T. 0.00 min

Lab File: BM012076.D

Acq: 11 Oct 2017 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	133408		
151	21.1		16.3	24.5
153	15.5		10.2	15.4#





#49

Acenaphthene

Concen: 3.463 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BM012076.D

Acq: 11 Oct 2017 19:07

Instrument :

BNA_M

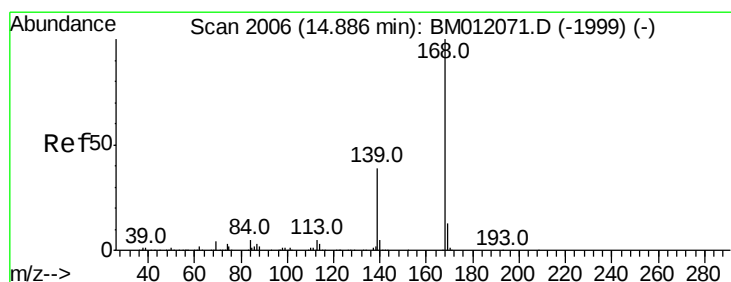
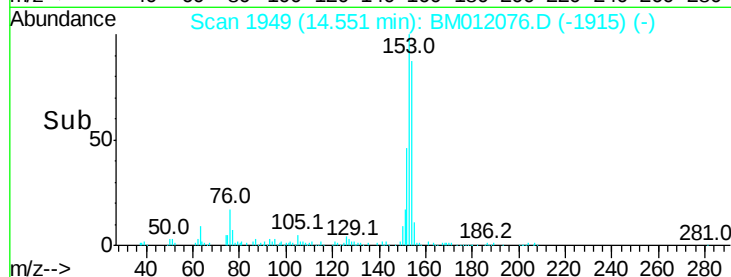
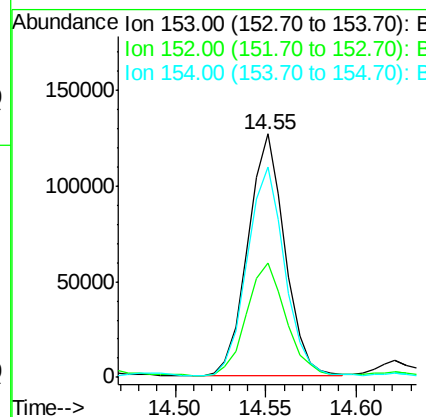
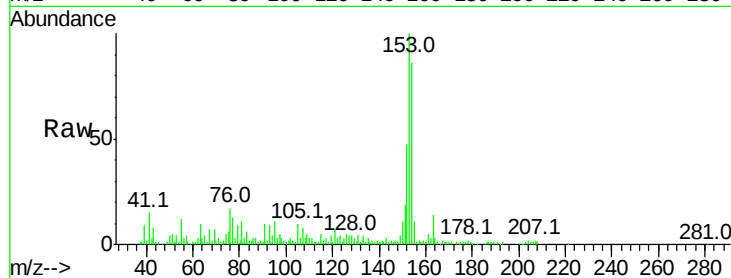
ClientSampleId :

B-43(5-7)-092617

Tot Ion:	153	Resp:	178997
Ion Ratio	Lower	Upper	
153	100		
152	47.0	37.6	56.4
154	86.4	70.4	105.6

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#53

Dibenzofuran

Concen: 2.381 ng/ul

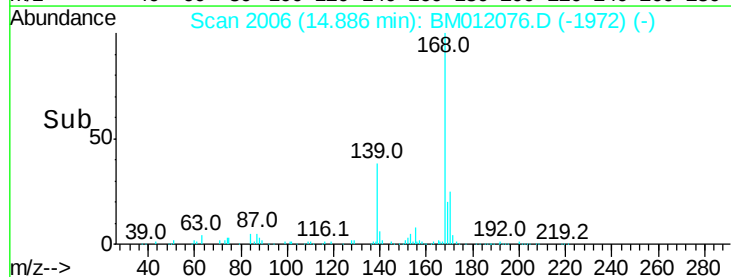
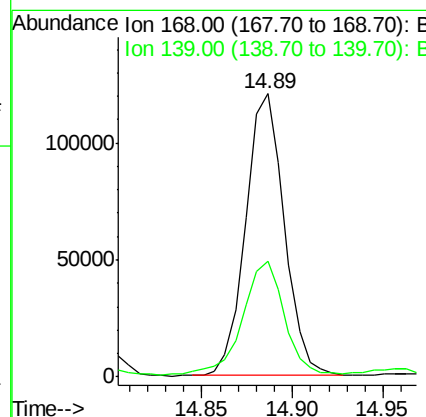
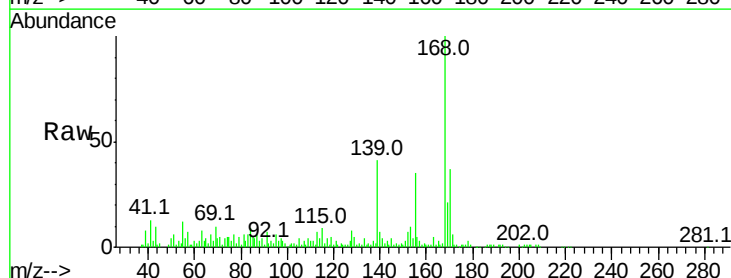
RT: 14.89 min Scan# 2006

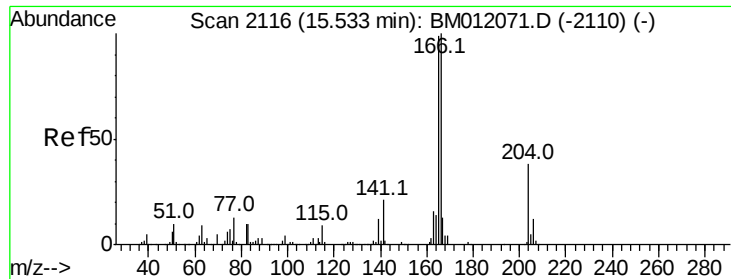
Delta R.T. 0.00 min

Lab File: BM012076.D

Acq: 11 Oct 2017 19:07

Tgt Ion:	168	Resp:	178616
Ion Ratio	Lower	Upper	
168	100		
139	40.9	30.8	46.2





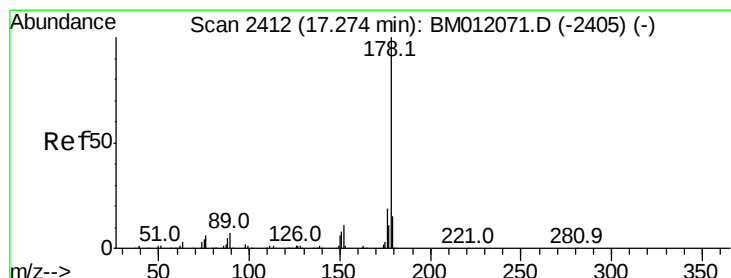
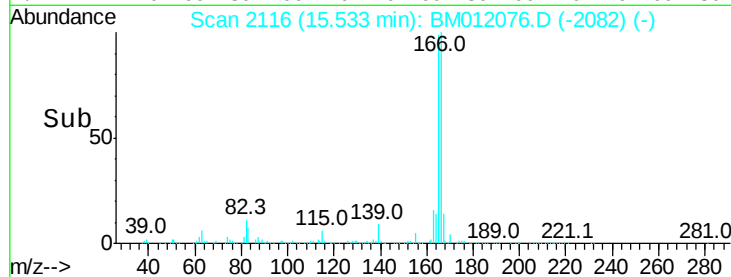
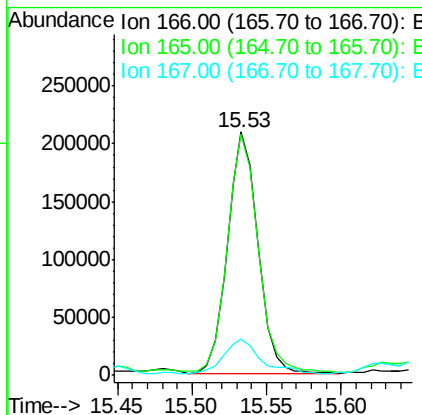
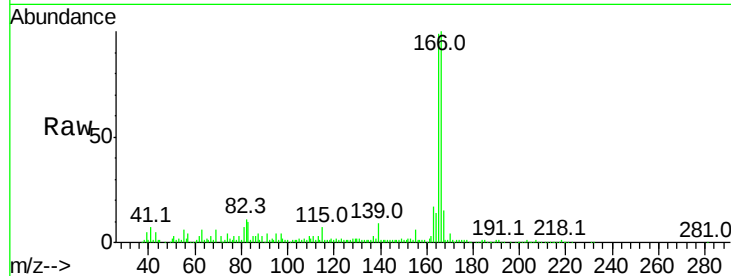
#58
Fluorene
 Concen: 4.733 ng/ul
 RT: 15.53 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BM012076.D
 Acq: 11 Oct 2017 19:07

Instrument :
 BNA_M
 ClientSampleId :
 B-43(5-7)-092617

Tot Ion:	166	Resp:	296509
Ion Ratio	Lower	Upper	
166	100		
165	99.1	77.9	116.9
167	14.6	10.6	16.0

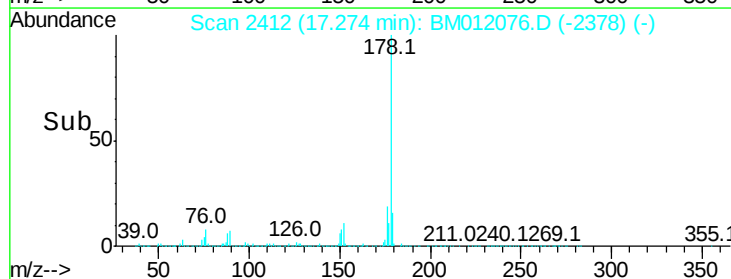
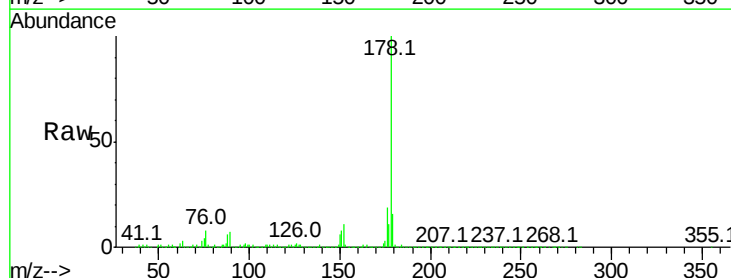
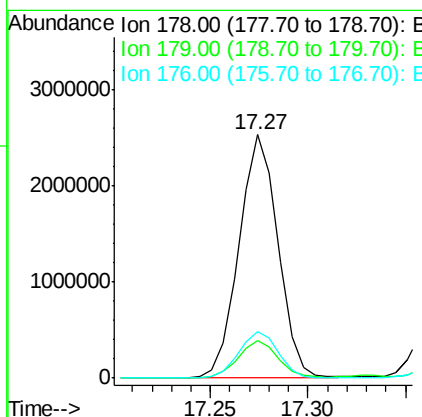
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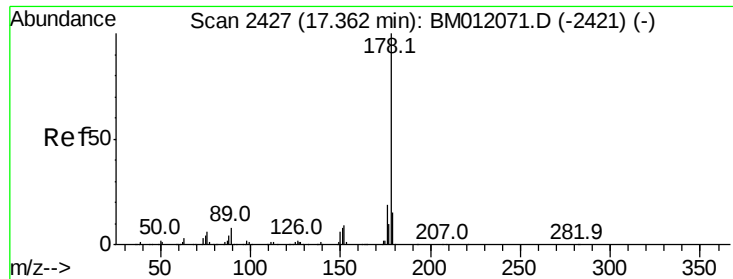
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#69
Phenanthrene
 Concen: 38.600 ng/ul
 RT: 17.27 min Scan# 2412
 Delta R.T. 0.00 min
 Lab File: BM012076.D
 Acq: 11 Oct 2017 19:07

Tgt Ion:	178	Resp:	3475369
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.6	19.0
176	19.2	14.9	22.3





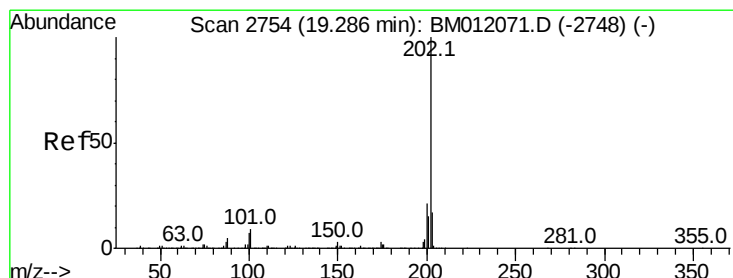
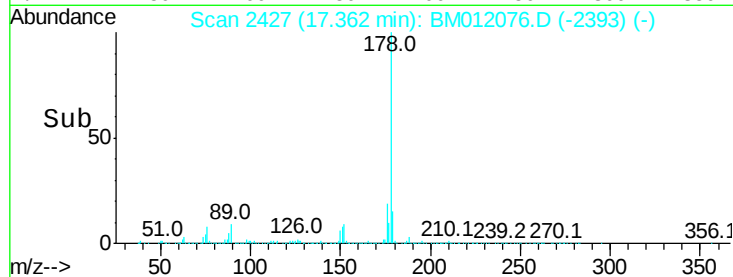
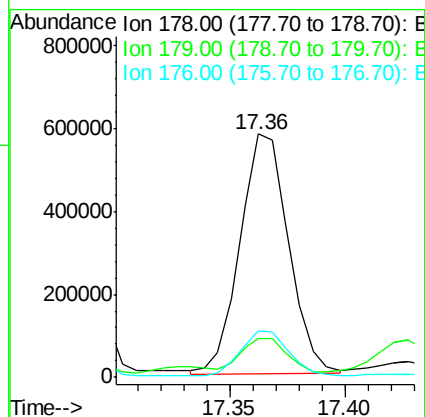
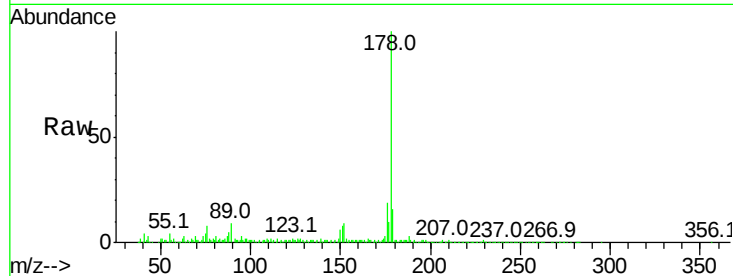
#71
 Anthracene
 Concen: 9.230 ng/ul
 RT: 17.36 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BM012076.D
 Acq: 11 Oct 2017 19:07

Instrument :
 BNA_M
 ClientSampleId :
 B-43(5-7)-092617

Tot Ion	Ratio	Resp	Lower	Upper
178	100			
179	15.8	11.7	17.5	
176	18.8	14.6	21.8	

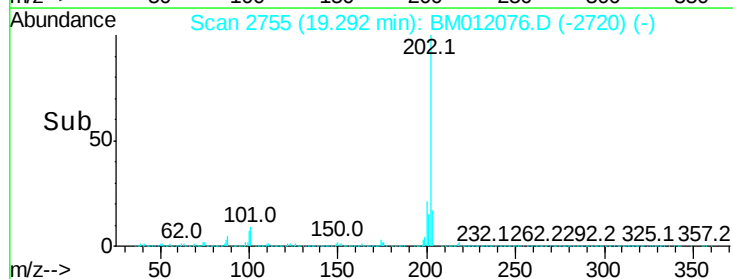
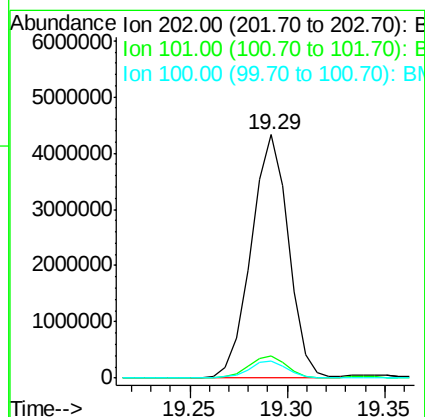
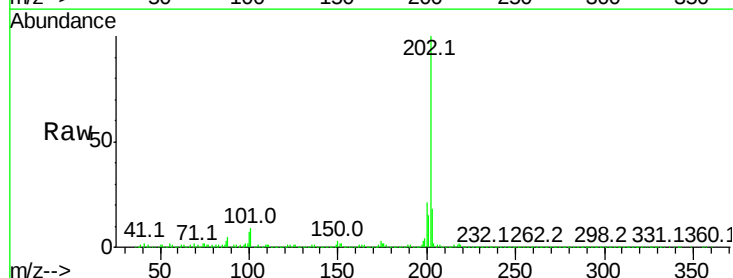
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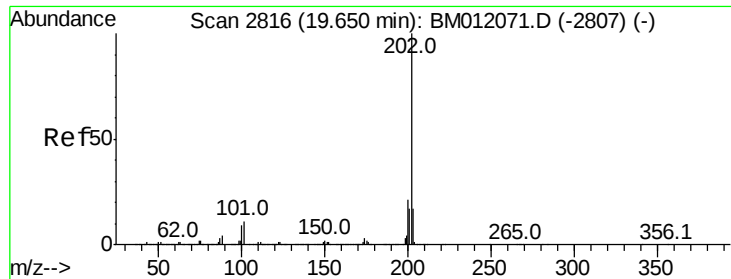
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#74
 Fluoranthene
 Concen: 51.889 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.01 min
 Lab File: BM012076.D
 Acq: 11 Oct 2017 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	9.2	4.6	7.0#	
100	7.3	3.4	5.2#	





#77

Pvrene

Concen: 71.144 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. 0.01 min

Lab File: BM012076.D

Acq: 11 Oct 2017 19:07

Instrument :

BNA_M

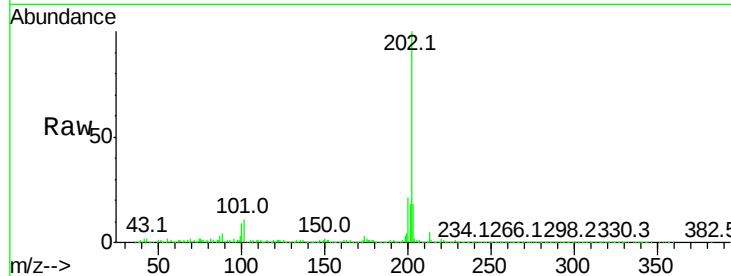
ClientSampleId :

B-43(5-7)-092617

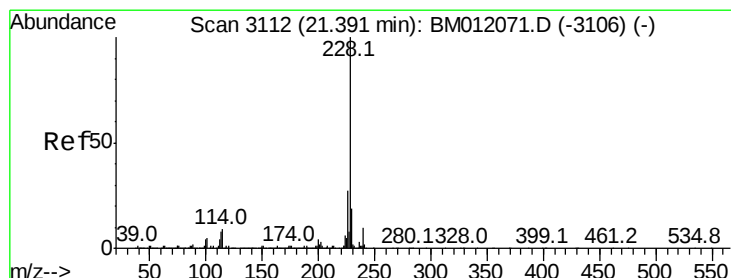
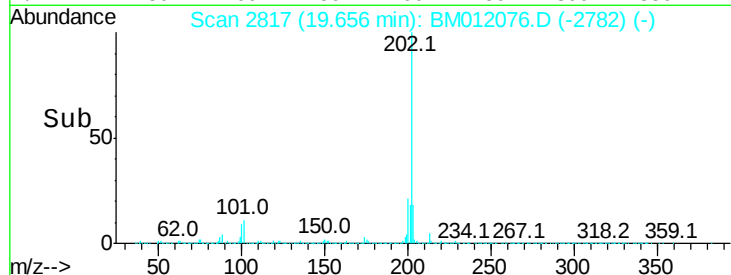
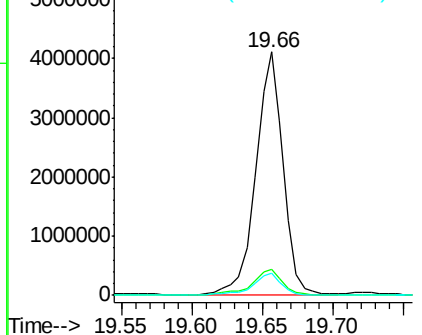
Tot Ion:	202	Resp:	5537282
Ion Ratio	Lower	Upper	
202	100		
101	10.6	5.1	7.7#
100	9.0	4.9	7.3#

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 34.773 ng/ul

RT: 21.40 min Scan# 3113

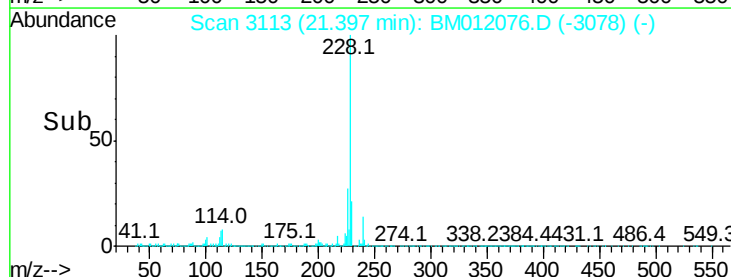
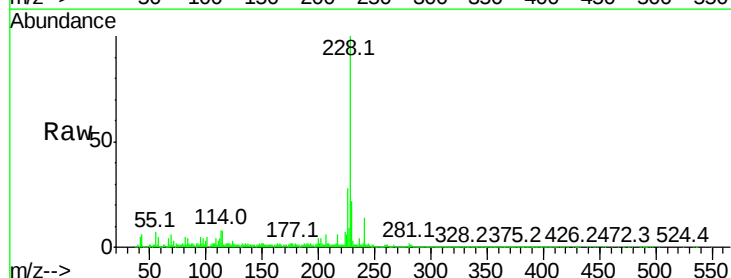
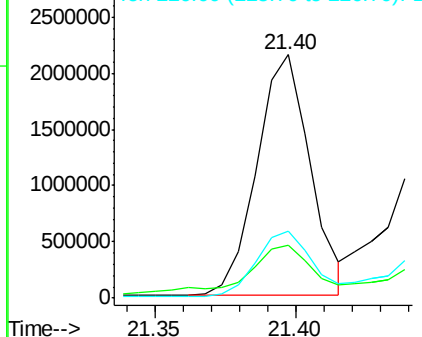
Delta R.T. 0.01 min

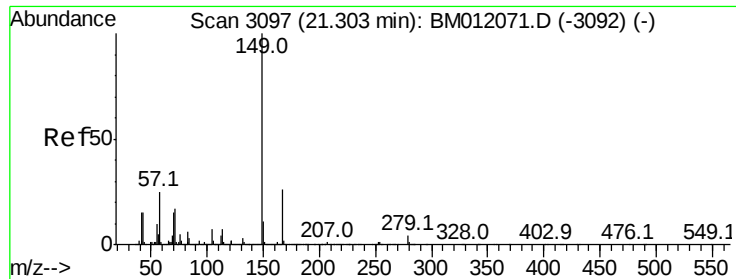
Lab File: BM012076.D

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Tgt Ion:	228	Resp:	2796301
Ion Ratio	Lower	Upper	
228	100		
229	22.0	15.4	23.0
226	27.6	21.4	32.0

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





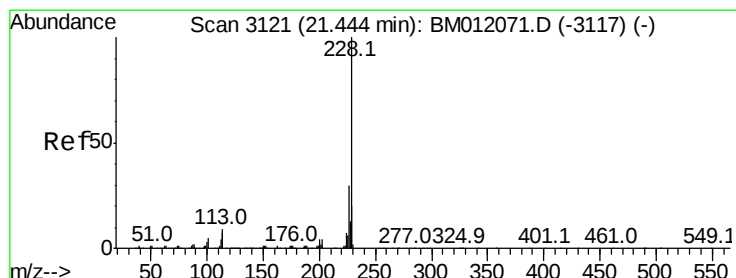
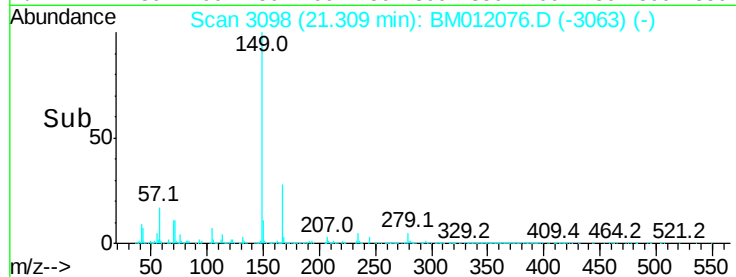
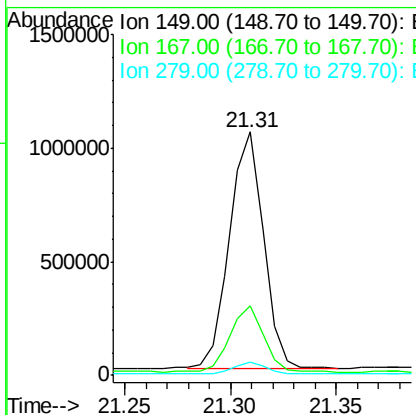
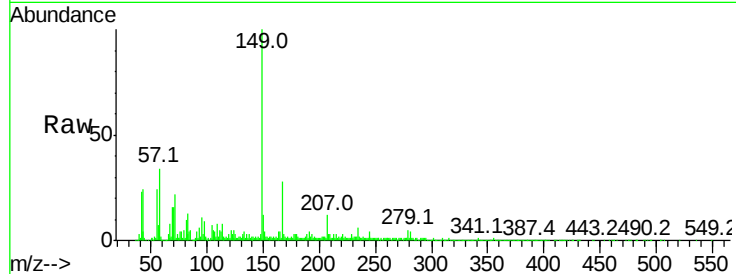
#81
Bis(2-ethylhexyl)phthalate
Concen: 25.350 ng/ul
RT: 21.31 min Scan# 3098
Delta R.T. 0.01 min
Lab File: BM012076.D
Acq: 11 Oct 2017 19:07

Instrument :
BNA_M
ClientSampleId :
B-43(5-7)-092617

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.8	34.2
279	5.3	4.9	7.3

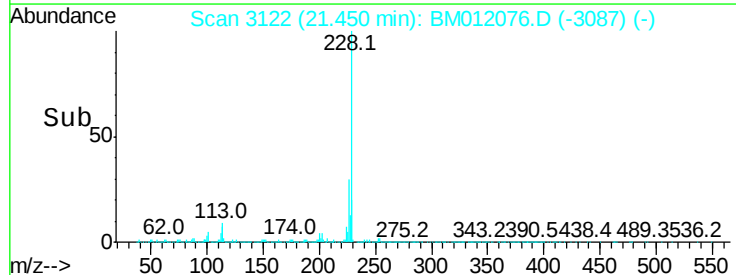
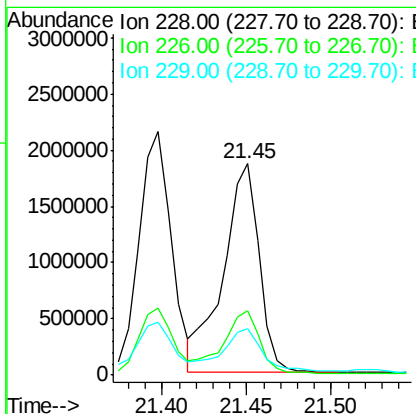
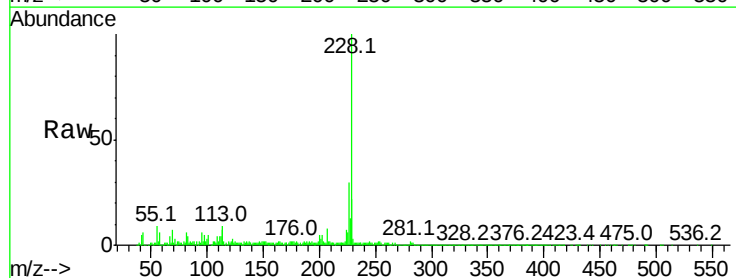
Manual Integrations
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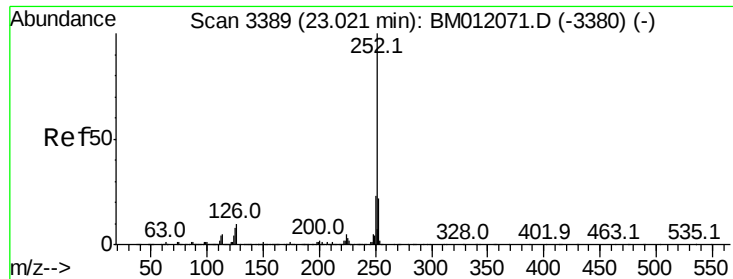
Sohil
10/13/2017 12:09:16 PM



#82
Chrysene
Concen: 35.928 ng/ul
RT: 21.45 min Scan# 3122
Delta R.T. 0.01 min
Lab File: BM012076.D
Acq: 11 Oct 2017 19:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	21.8	15.5	23.3





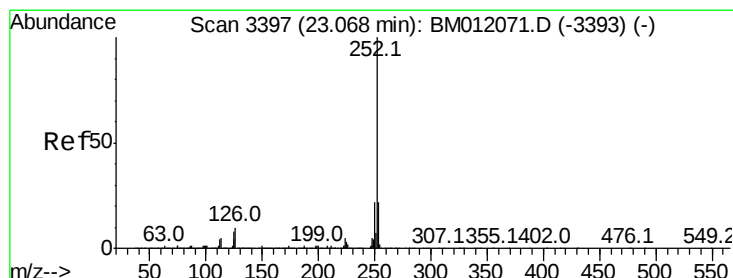
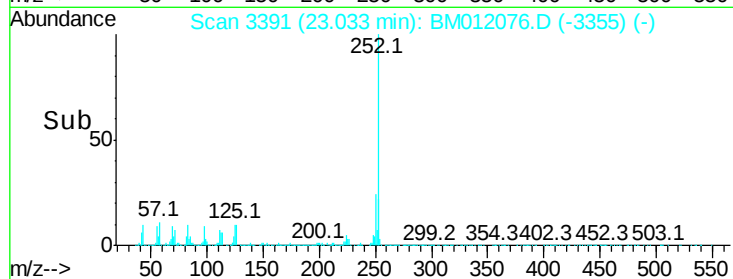
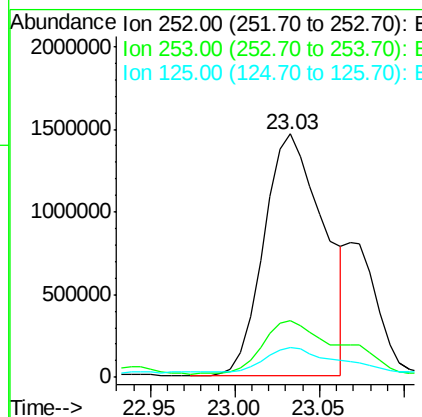
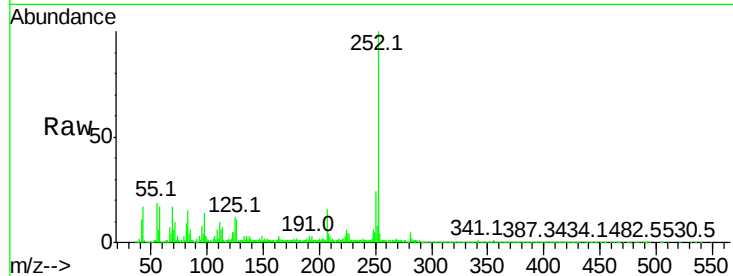
#85
Benzo(b)fluoranthene
Concen: 43.524 ng/ul
RT: 23.03 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BM012076.D
Acq: 11 Oct 2017 19:07

Instrument :
BNA_M
ClientSampleId :
B-43(5-7)-092617

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	12.1	3.6	5.4

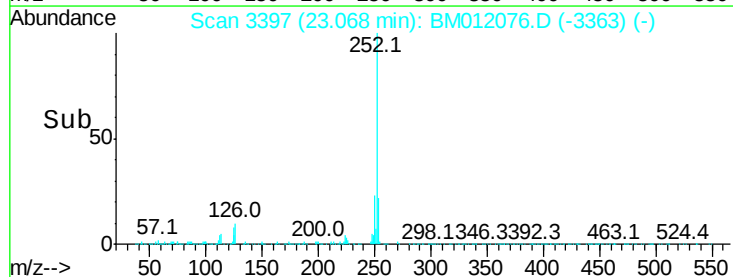
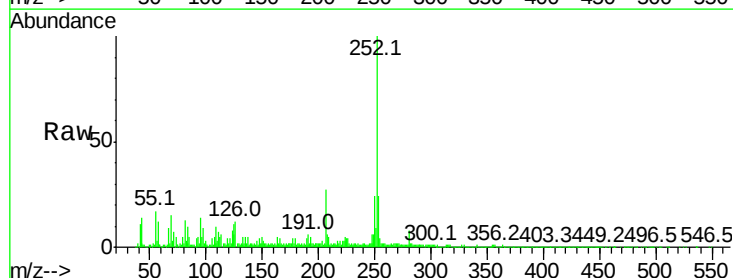
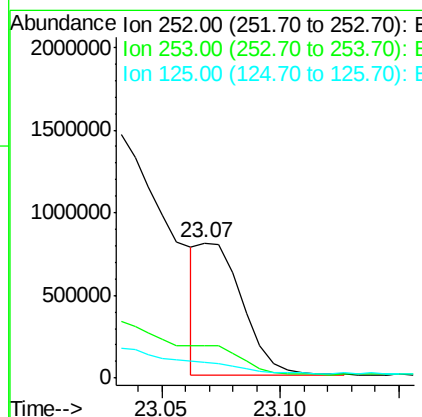
Manual Integrations
APPROVED

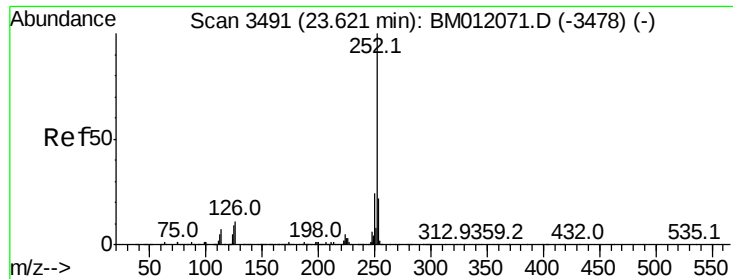
Sohil
10/13/2017 12:09:16 PM



#86
Benzo(k)fluoranthene
Concen: 12.365 ng/ul m
RT: 23.07 min Scan# 3397
Delta R.T. 0.00 min
Lab File: BM012076.D
Acq: 11 Oct 2017 19:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	11.4	3.4	5.2





#88

Benzo(a)pyrene

Concen: 31.616 ng/ul

RT: 23.63 min Scan# 3493

Delta R.T. 0.01 min

Lab File: BM012076.D

Acq: 11 Oct 2017 19:07

Instrument :

BNA_M

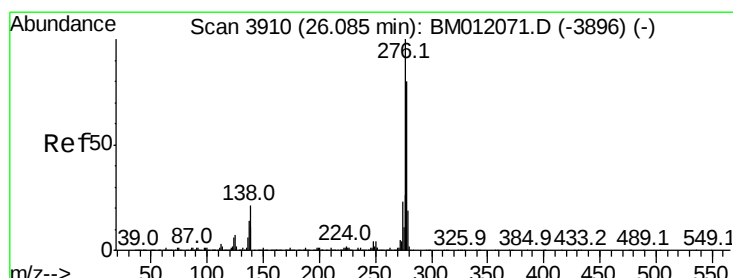
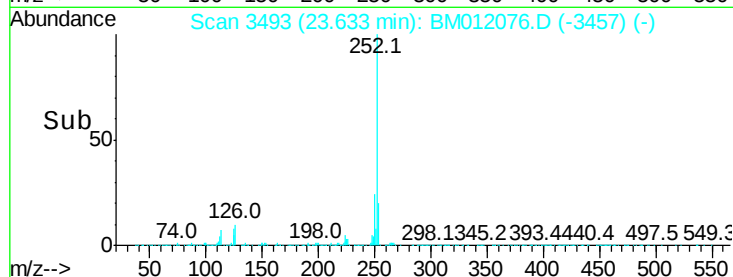
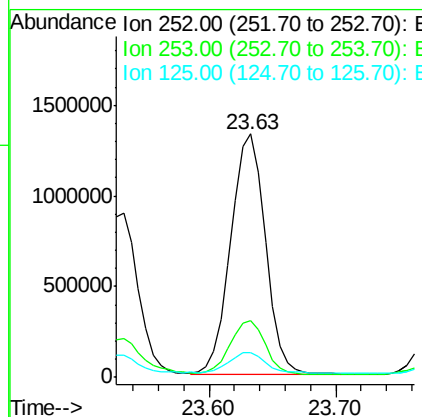
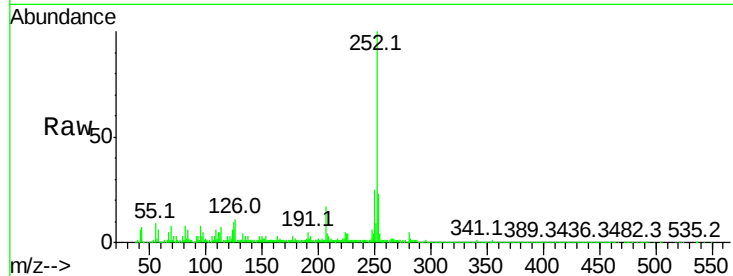
ClientSampleId :

B-43(5-7)-092617

Tot Ion:	252	Resp:	2509223
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.2	27.2
125	10.2	4.0	6.0#

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 21.367 ng/ul

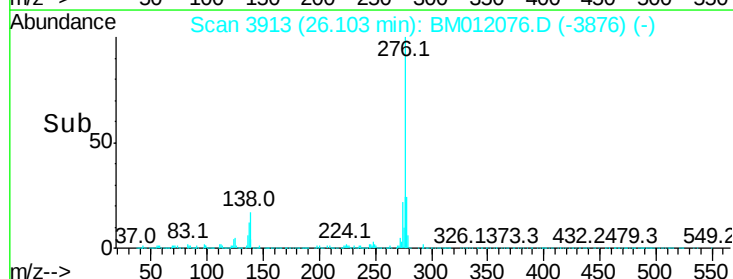
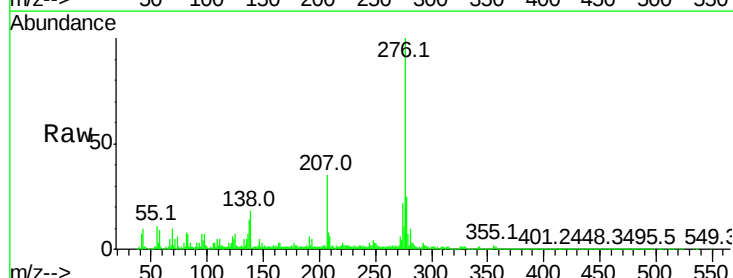
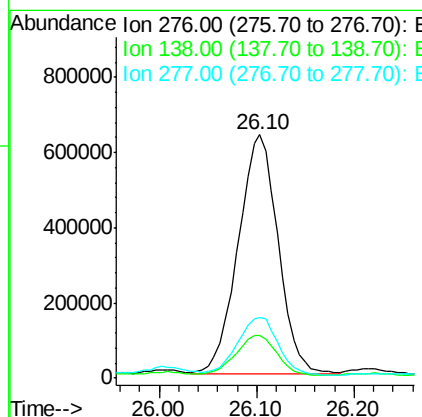
RT: 26.10 min Scan# 3913

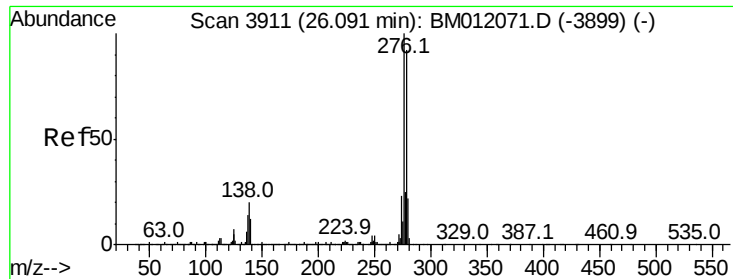
Delta R.T. 0.02 min

Lab File: BM012076.D

Acq: 11 Oct 2017 19:07

Tgt Ion:	276	Resp:	1814690
Ion Ratio	Lower	Upper	
276	100		
138	17.5	9.3	13.9#
277	25.1	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 7.237 ng/ul

RT: 26.10 min Scan# 3913

Delta R.T. 0.01 min

Lab File: BM012076.D

Acq: 11 Oct 2017 19:07

Instrument :

BNA_M

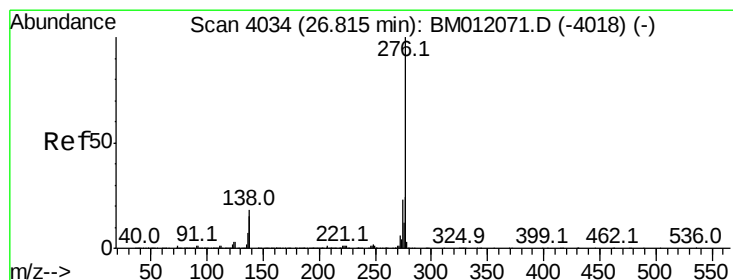
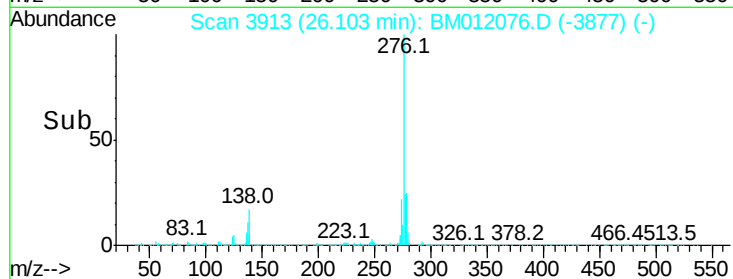
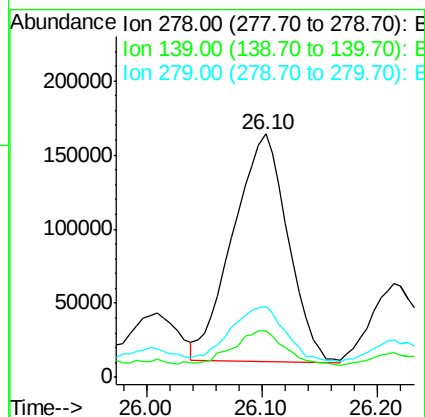
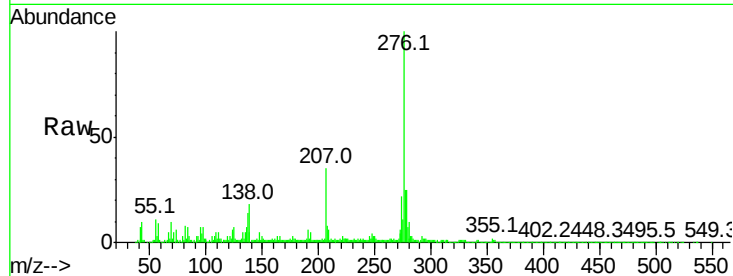
ClientSampleId :

B-43(5-7)-092617

Tot Ion:	278	Resp:	505045
Ion Ratio	Lower	Upper	
278	100		
139	19.3	5.8	8.8#
279	28.8	18.6	27.8#

Manual Integrations
APPROVED

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#91

Benzo(g,h,i)perylene

Concen: 24.257 ng/ul

RT: 26.83 min Scan# 4037

Delta R.T. 0.02 min

Lab File: BM012076.D

Acq: 11 Oct 2017 19:07

Tgt Ion:	276	Resp:	1704198
Ion Ratio	Lower	Upper	
276	100		
138	18.1	8.5	12.7#
277	24.9	18.6	28.0

