

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
 Data File : BM012854.D
 Acq On : 09 Nov 2017 15:46
 Operator : SJ/JU
 Sample : I6032-02DL 10X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-31(5-5.5)-101817DL

Manual Integrations
 APPROVED

Sohil
 11/9/2017 6:00:32 PM

Quant Time: Nov 09 17:45:17 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 05:48:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	119501	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	486625	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	295531	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	657648	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	628396	20.00	ng/ul	0.00
85) Perylene-d12	23.65	264	670433	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	1272	0.58	ng/uL	0.00
5) Phenol-d5	6.98	99	23698	2.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	14231	2.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	20960	2.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	18879	2.46	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	11035	3.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	11225	2.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	21419	2.54	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	13798	1.70	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	78612	3.21	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	88800	2.94	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	5762	1.47	ng/ul	0.02
57) Fluorene-d10	15.43	176	66829	3.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	2137	0.49	ng/ul	0.00
70) Anthracene-d10	17.29	188	106920	3.36	ng/ul	0.00
78) Pyrene-d10	19.58	212	110192	3.78	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.50	264	108269	3.42	ng/ul	0.00

Target Compounds

					Qvalue	
49) Acenaphthene	14.50	153	25879	1.296	ng/ul	98
53) Dibenzofuran	14.84	168	31962	1.097	ng/ul	90
58) Fluorene	15.49	166	30886	1.276	ng/ul	97
69) Phenanthrene	17.23	178	1061910	29.542	ng/ul	99
71) Anthracene	17.32	178	237011	6.359	ng/ul	99
74) Carbazole	17.59	167	46870	1.508	ng/ul	97
76) Fluoranthene	19.24	202	1350680	31.269	ng/ul#	94
79) Pyrene	19.61	202	1030863	27.496	ng/ul#	92
82) Benzo(a)anthracene	21.35	228	500605	13.165	ng/ul	98
84) Chrysene	21.40	228	450171	13.063	ng/ul	97
87) Benzo(b)fluoranthene	22.97	252	563381	13.751	ng/ul#	96
88) Benzo(k)fluoranthene	23.00	252	152484m	3.915	ng/ul	
90) Benzo(a)pyrene	23.55	252	373557m	9.582	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.97	276	264390	5.627	ng/ul#	86
92) Dibenzo(a,h)anthracene	25.97	278	71490	1.797	ng/ul#	91
93) Benzo(g,h,i)perylene	26.68	276	210950	5.448	ng/ul#	91

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

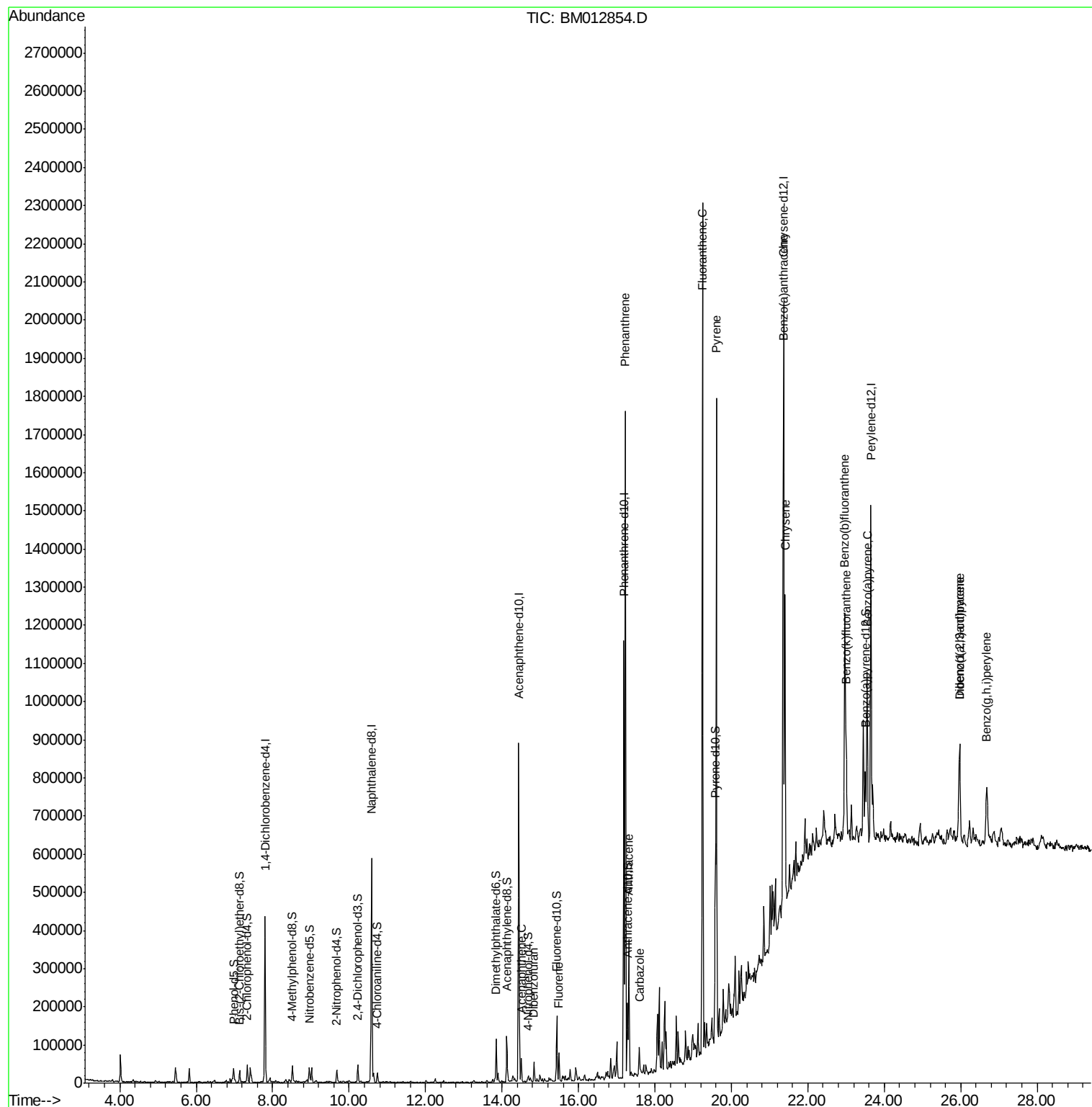
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012854.D
Acq On : 09 Nov 2017 15:46
Operator : SJ/JU
Sample : I6032-02DL 10X
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ALS Vial : 39 Sample Multiplier: 1

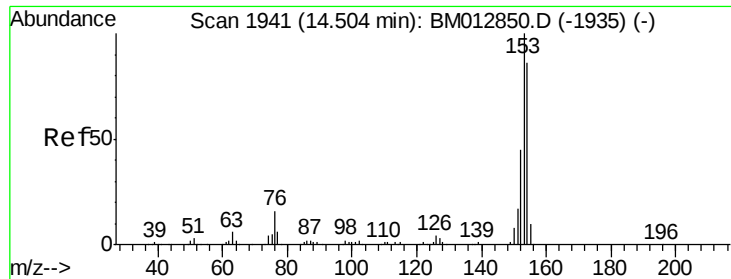
Instrument :
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Manual Integrations
APPROVED

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Quant Title : SVOA CALIBRATION
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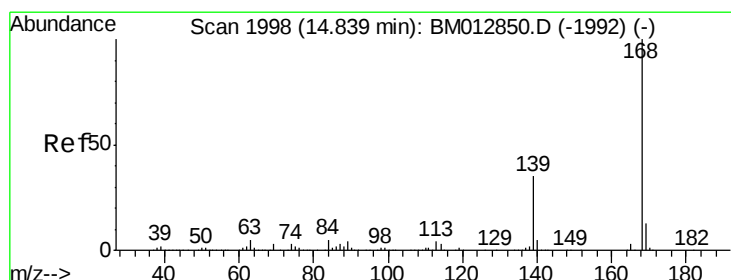
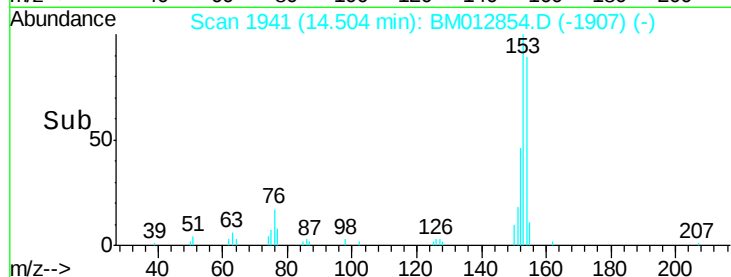
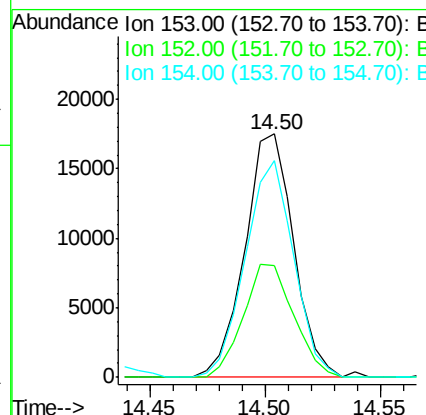
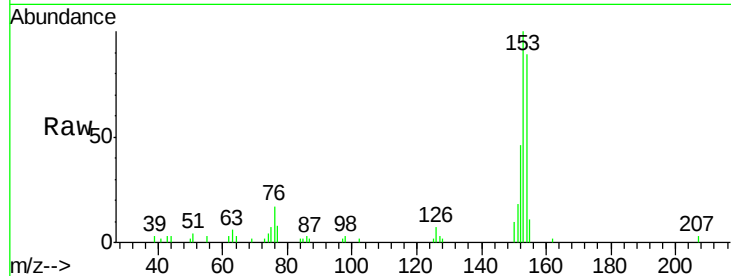
#49
Acenaphthene
Concen: 1.296 ng/ul
RT: 14.50 min Scan# 1941
Delta R.T. 0.00 min
Lab File: BM012854.D
Acq: 09 Nov 2017 15:46

Instrument :
BNA_M
ClientSampleId :
B-31(5-5.5)-101817DL

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.7	38.3	57.5
154	88.9	71.8	107.8

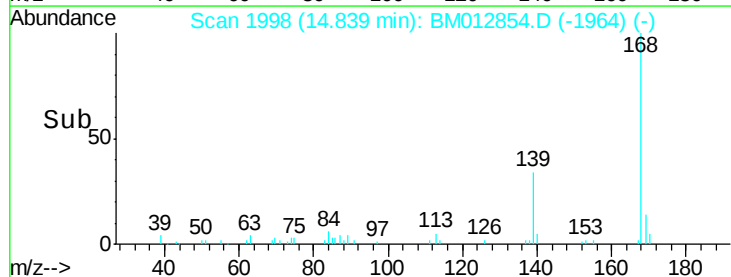
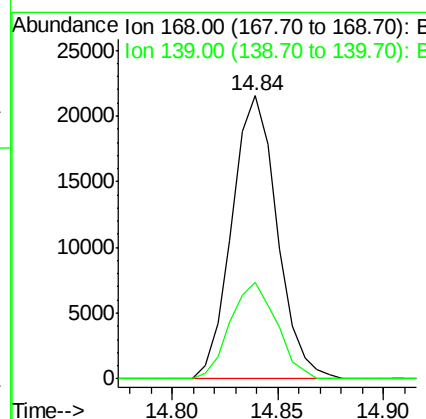
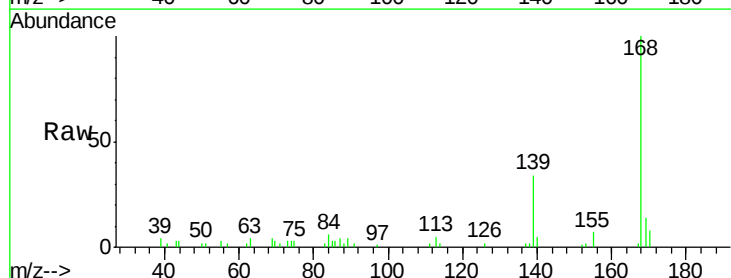
Manual Integrations
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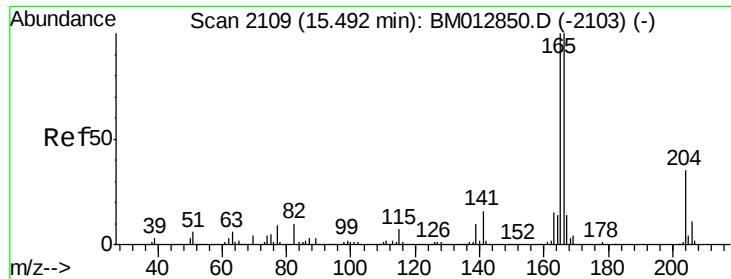
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#53
Dibenzofuran
Concen: 1.097 ng/ul
RT: 14.84 min Scan# 1998
Delta R.T. 0.00 min
Lab File: BM012854.D
Acq: 09 Nov 2017 15:46

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.0	32.2	48.2





#58

Fluorene

Concen: 1.276 ng/ul

RT: 15.49 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BM012854.D

Acq: 09 Nov 2017 15:46

Instrument :

BNA_M

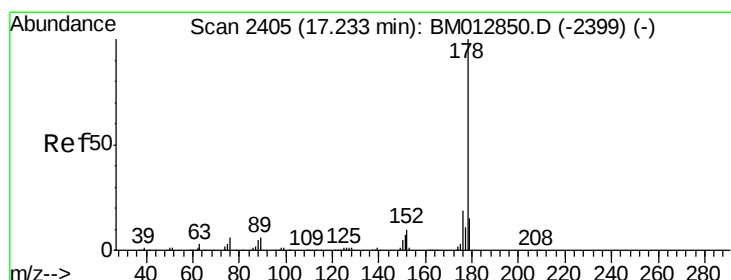
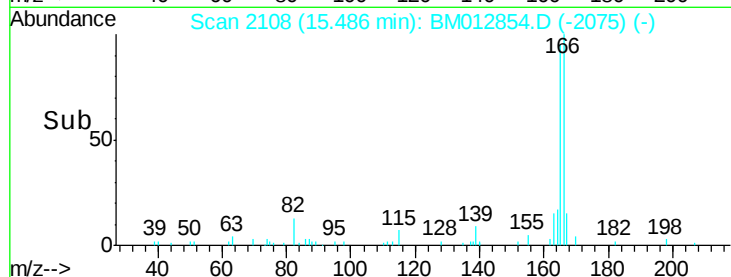
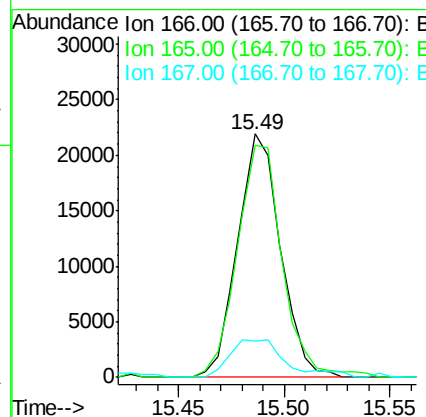
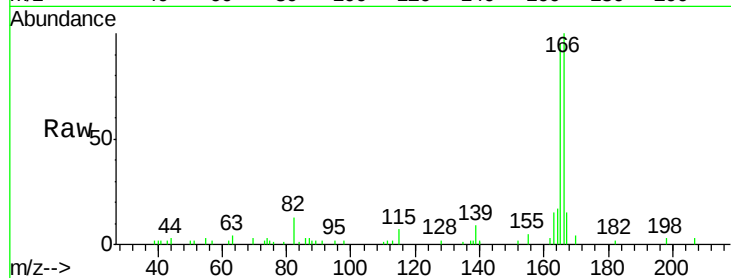
ClientSampleId :

B-31(5-5.5)-101817DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	30886		
165	95.2	78.5	117.7	
167	15.1	10.7	16.1	

Manual Integrations
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#69

Phenanthrene

Concen: 29.542 ng/ul

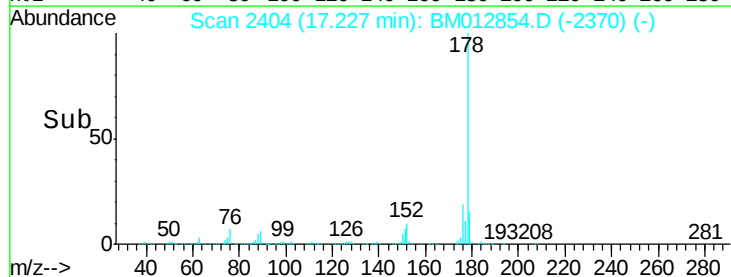
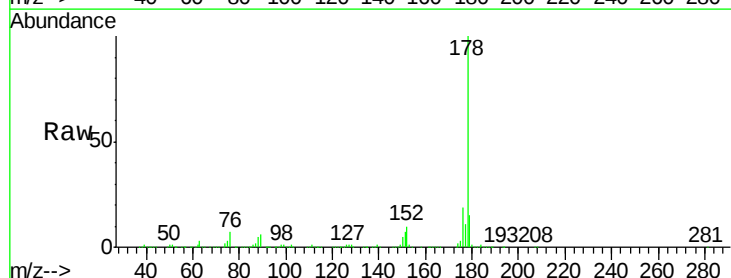
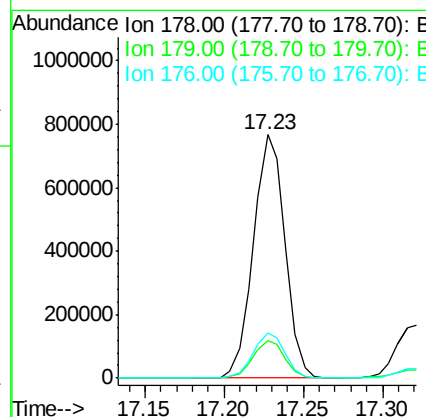
RT: 17.23 min Scan# 2404

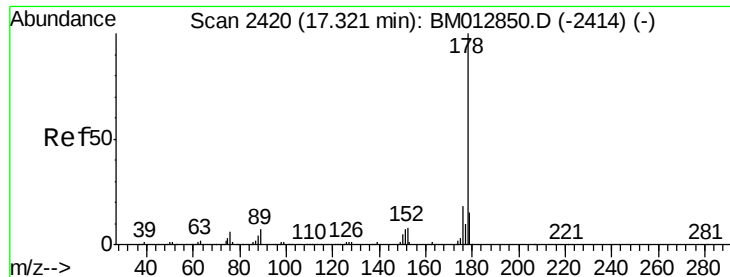
Delta R.T. 0.00 min

Lab File: BM012854.D

Acq: 09 Nov 2017 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1061910		
179	15.2	12.2	18.4	
176	18.7	15.6	23.4	





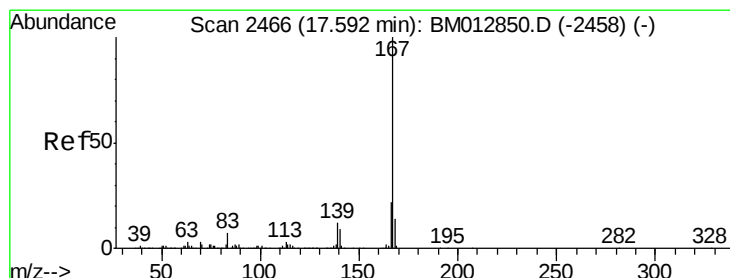
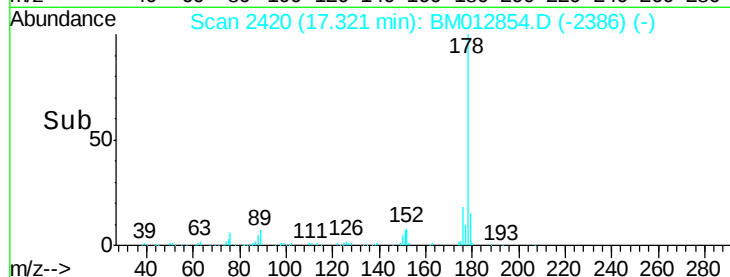
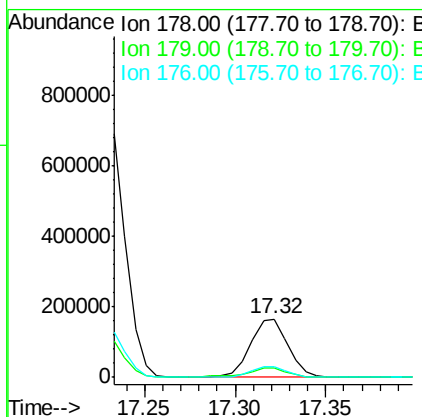
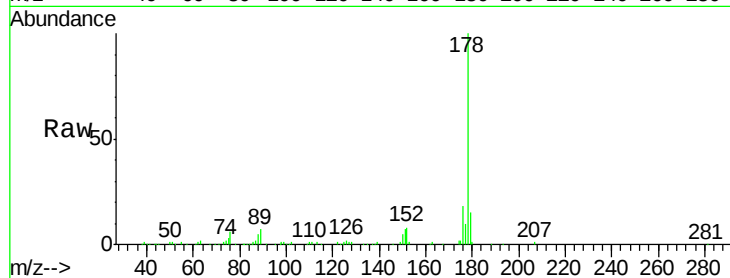
#71
 Anthracene
 Concen: 6.359 ng/ul
 RT: 17.32 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: BM012854.D
 Acq: 09 Nov 2017 15:46

Instrument :
 BNA_M
 ClientSampleId :
 B-31(5-5.5)-101817DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.1	18.1
176	18.3	14.8	22.2

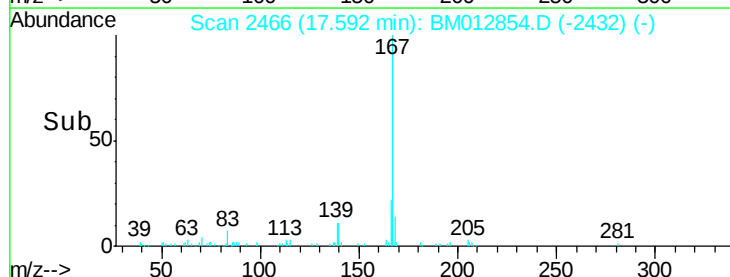
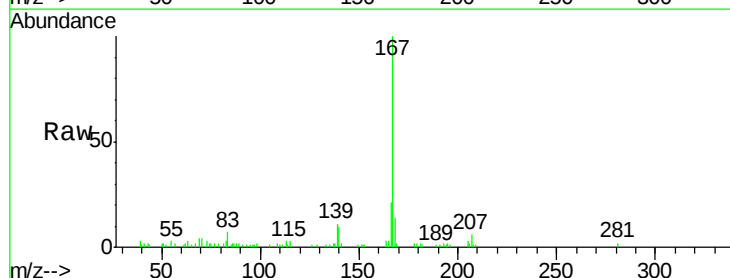
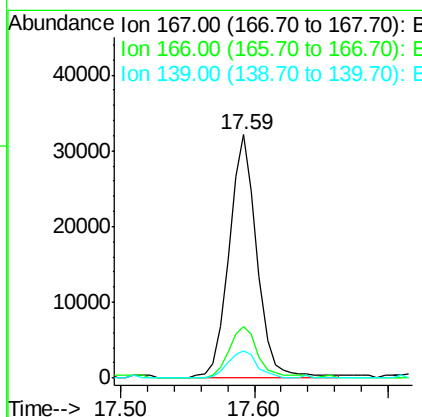
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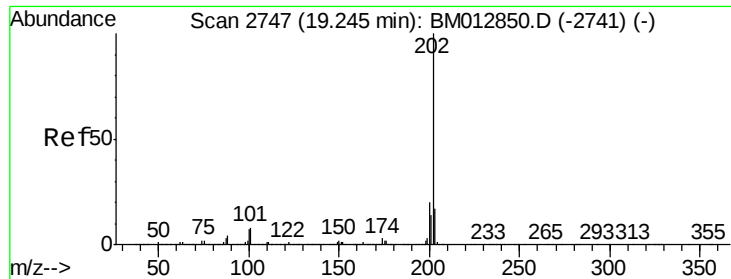
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#74
 Carbazole
 Concen: 1.508 ng/ul
 RT: 17.59 min Scan# 2466
 Delta R.T. 0.00 min
 Lab File: BM012854.D
 Acq: 09 Nov 2017 15:46

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	11.2	11.0	16.4





#76

Fluoranthene

Concen: 31.269 ng/ul

RT: 19.24 min Scan# 2747

Delta R.T. 0.00 min

Lab File: BM012854.D

Acq: 09 Nov 2017 15:46

Instrument :

BNA_M

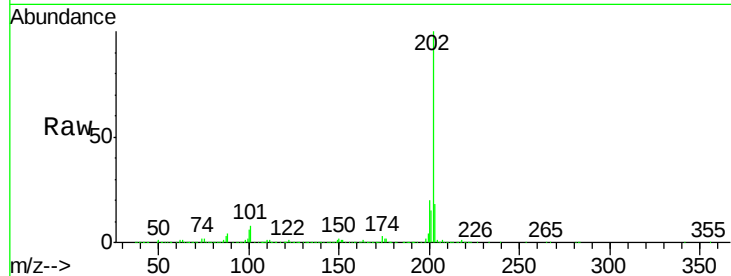
ClientSampleId :

B-31(5-5.5)-101817DL

Tgt Ion:	202	Resp:	1350680
Ion Ratio	Lower	Upper	
202	100		
101	8.3	8.8	13.2#
100	6.5	6.6	9.8#

Manual Integrations
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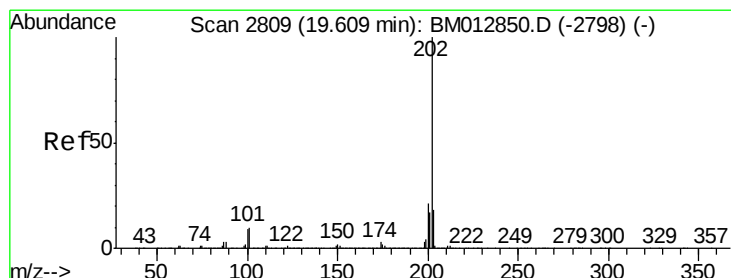
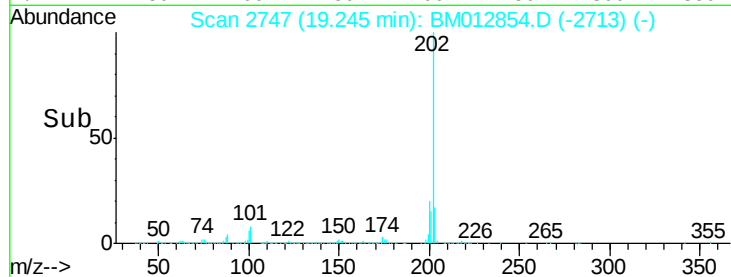
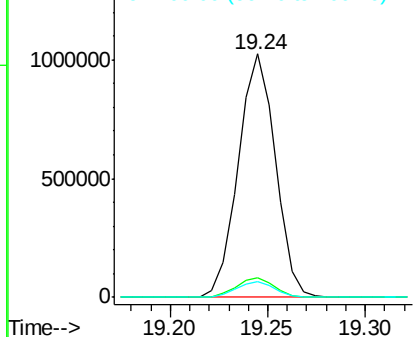
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 27.496 ng/ul

RT: 19.61 min Scan# 2809

Delta R.T. 0.00 min

Lab File: BM012854.D

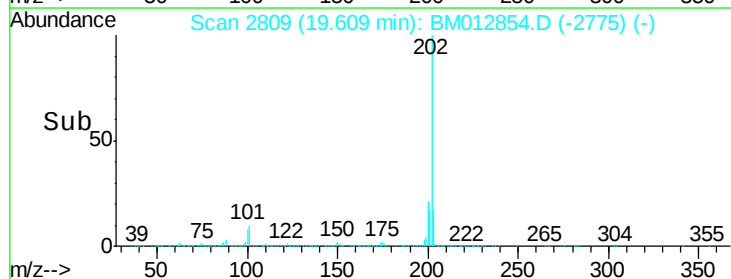
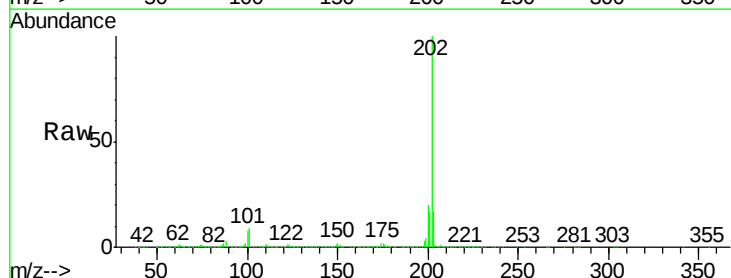
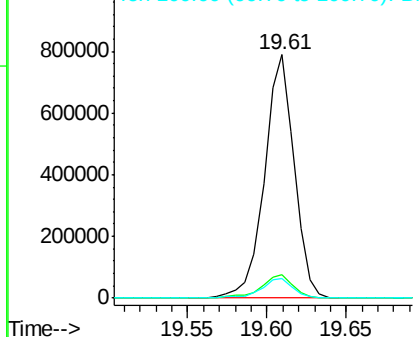
Acq: 09 Nov 2017 15:46

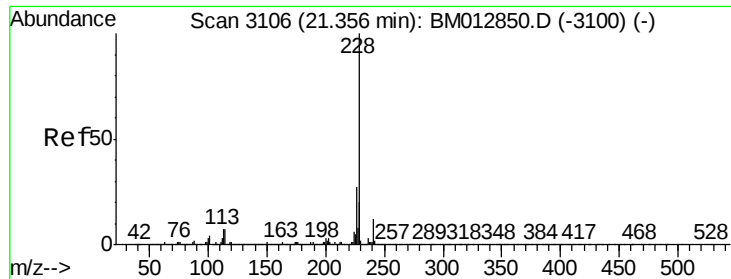
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Ion Ratio	Lower	Upper	
202	100		
101	9.5	10.2	15.2#
100	7.8	8.5	12.7#

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





#82

Benzo(a)anthracene

Concen: 13.165 ng/ul

RT: 21.35 min Scan# 3105

Delta R.T. 0.00 min

Lab File: BM012854.D

Acq: 09 Nov 2017 15:46

Instrument :

BNA_M

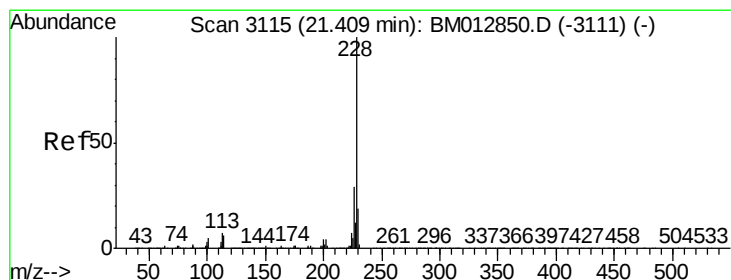
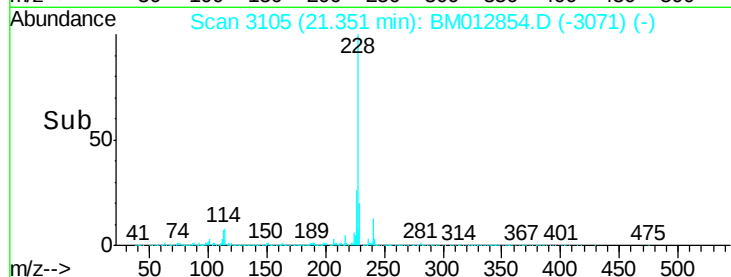
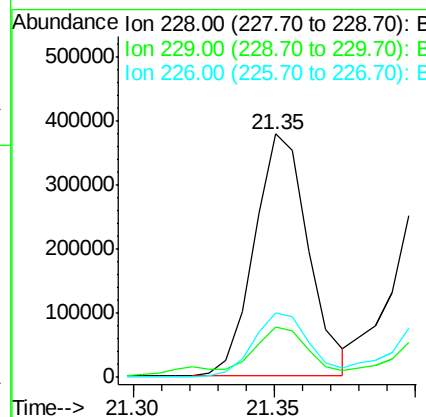
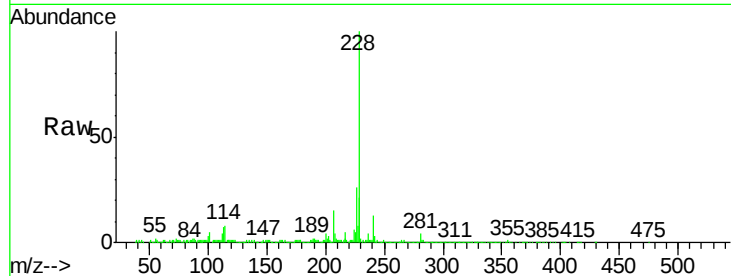
ClientSampleId :

B-31(5-5.5)-101817DL

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.7	23.5
226	26.3	21.8	32.6

Manual Integrations
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#84

Chrysene

Concen: 13.063 ng/ul

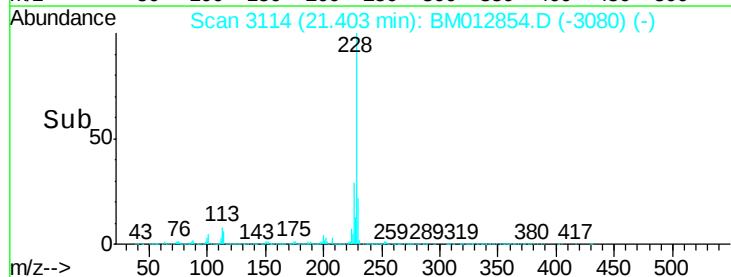
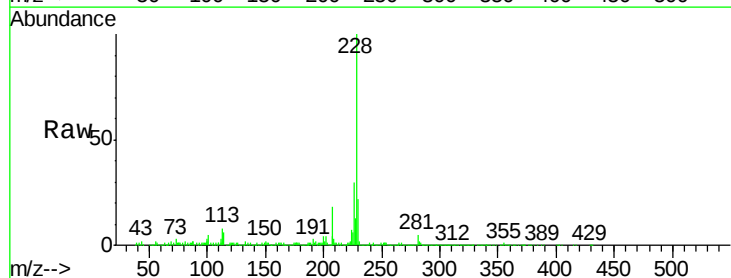
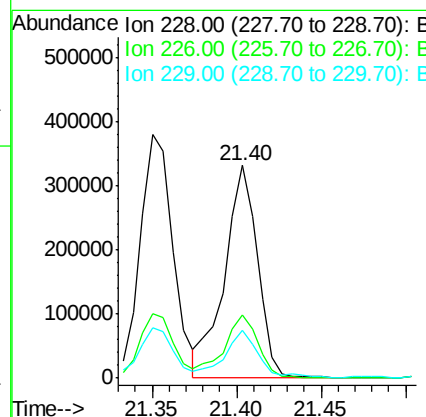
RT: 21.40 min Scan# 3114

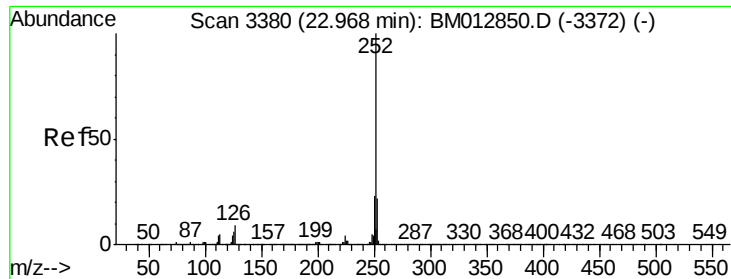
Delta R.T. 0.00 min

Lab File: BM012854.D

Acq: 09 Nov 2017 15:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	22.2	15.6	23.4





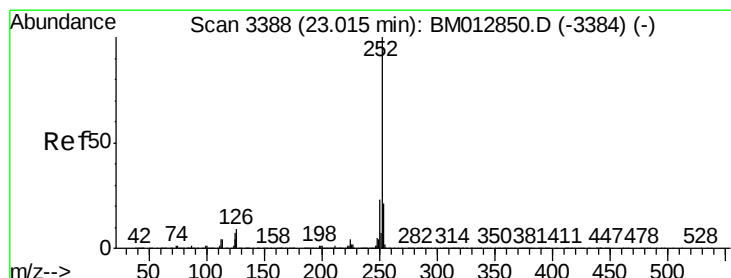
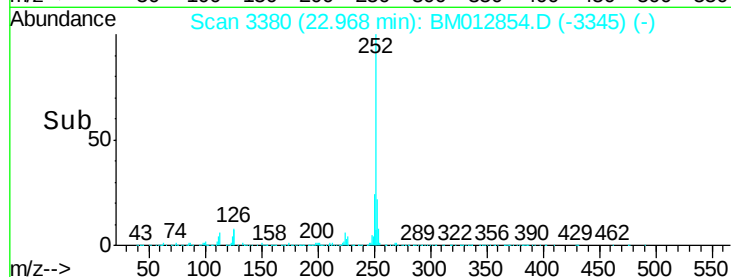
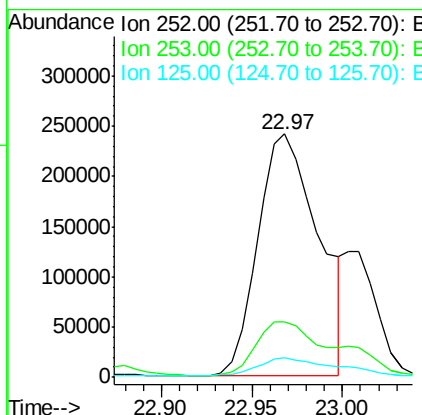
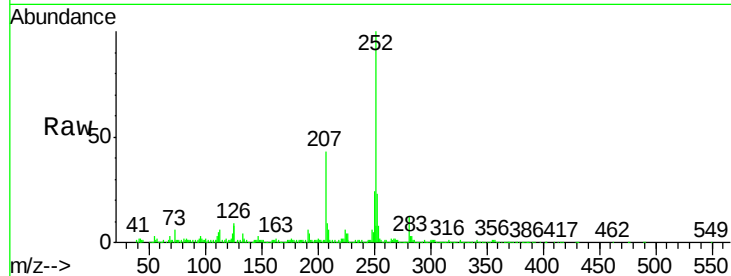
#87
Benzo(b)fluoranthene
Concen: 13.751 ng/ul
RT: 22.97 min Scan# 3380
Delta R.T. 0.01 min
Lab File: BM012854.D
Acq: 09 Nov 2017 15:46

Instrument :
BNA_M
ClientSampleId :
B-31(5-5.5)-101817DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	7.8	8.5	12.7

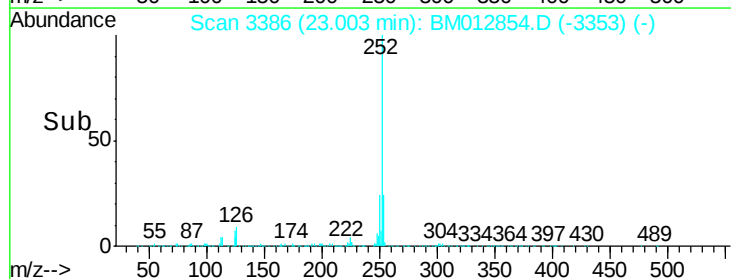
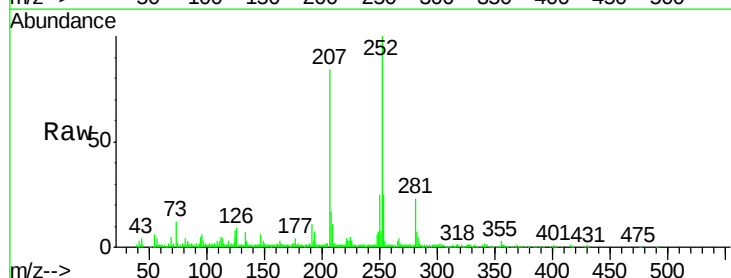
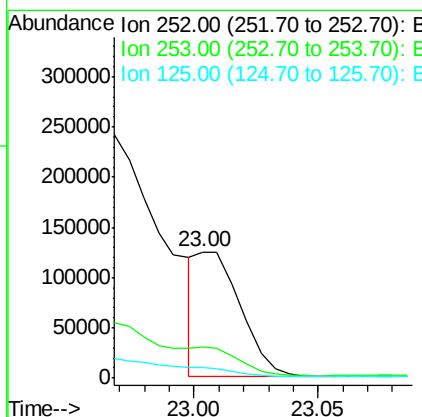
Manual Integrations
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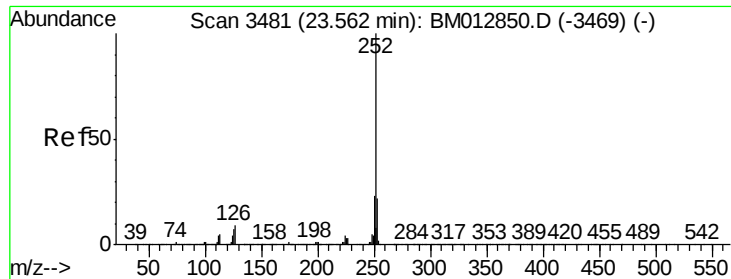
Sohil
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#88
Benzo(k)fluoranthene
Concen: 3.915 ng/ul m
RT: 23.00 min Scan# 3386
Delta R.T. -0.01 min
Lab File: BM012854.D
Acq: 09 Nov 2017 15:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.3	25.9
125	8.3	8.2	12.2





#90

Benzo(a)pyrene

Concen: 9.582 ng/ul m

RT: 23.55 min Scan# 3479

Delta R.T. 0.00 min

Lab File: BM012854.D

Acq: 09 Nov 2017 15:46

Instrument :

BNA_M

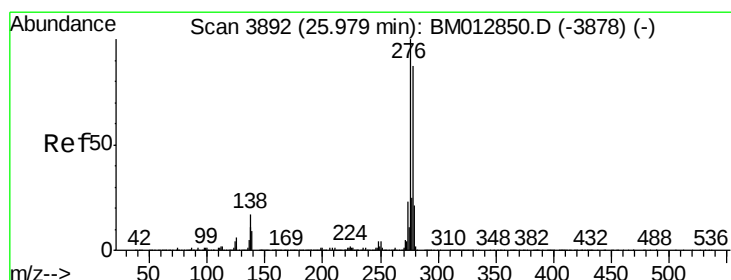
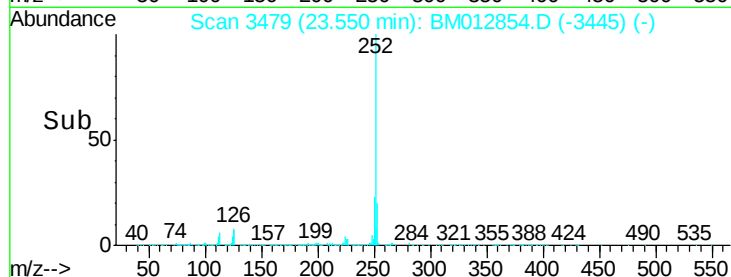
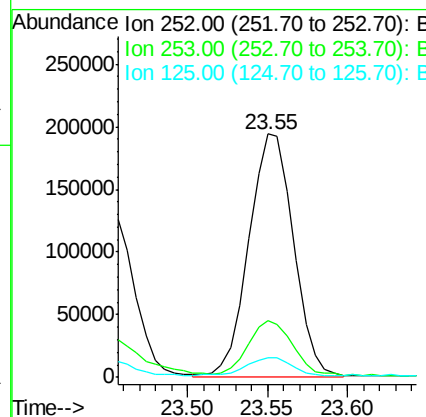
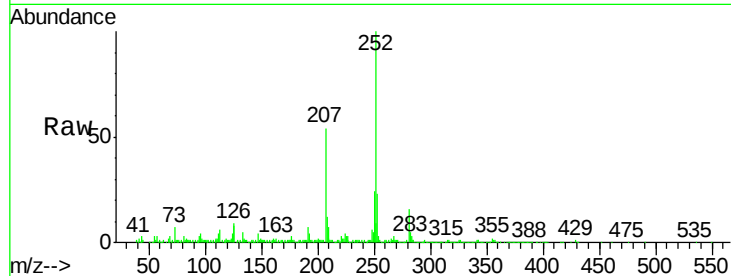
ClientSampleId :

B-31(5-5.5)-101817DL

Tgt Ion:	252	Resp:	373557
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.2	25.8
125	8.2	9.0	13.6#

Manual Integrations
APPROVED

Sohil
11/9/2017 6:00:32 PM



#91

Indeno(1,2,3-cd)pyrene

Concen: 5.627 ng/ul

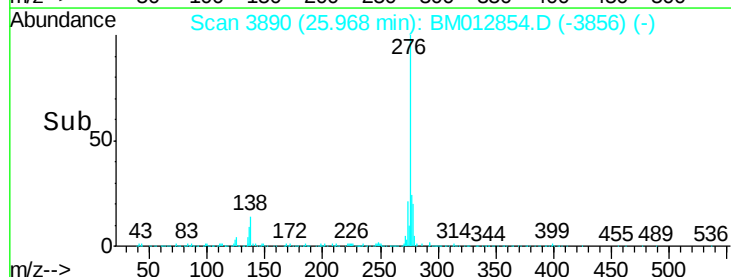
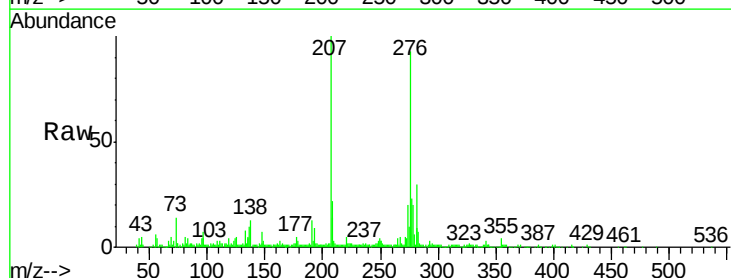
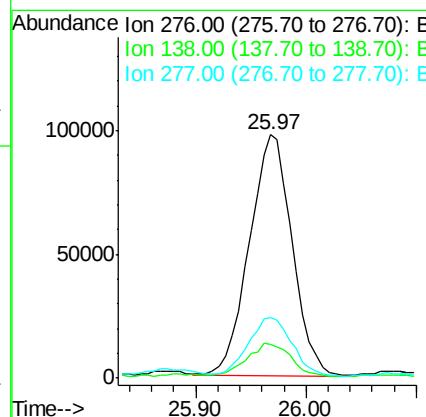
RT: 25.97 min Scan# 3890

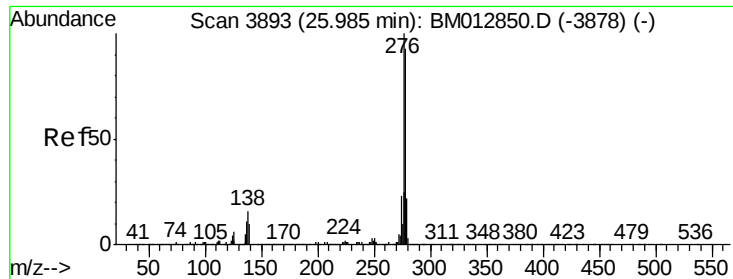
Delta R.T. 0.00 min

Lab File: BM012854.D

Acq: 09 Nov 2017 15:46

Tgt Ion:	276	Resp:	264390
Ion Ratio	Lower	Upper	
276	100		
138	14.1	22.3	33.5#
277	24.7	20.2	30.2





#92

Dibenzo(a,h)anthracene

Concen: 1.797 ng/ul

RT: 25.97 min Scan# 3891

Delta R.T. 0.00 min

Lab File: BM012854.D

Acq: 09 Nov 2017 15:46

Instrument :

BNA_M

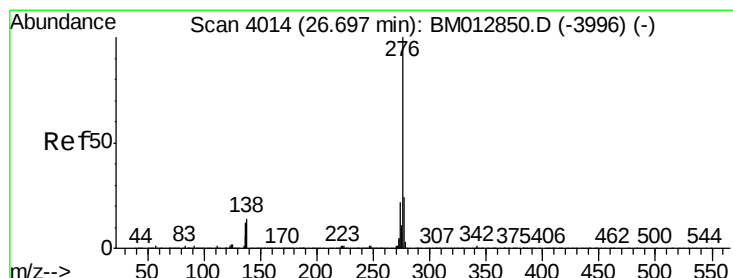
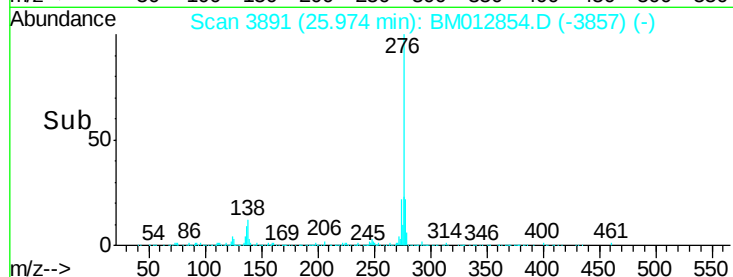
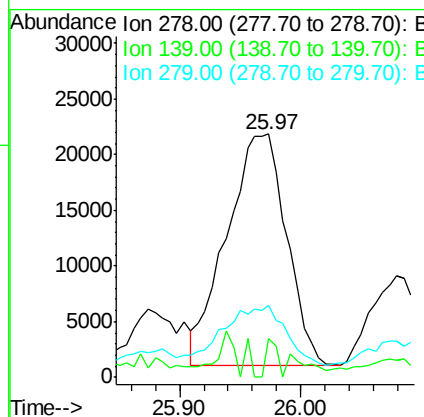
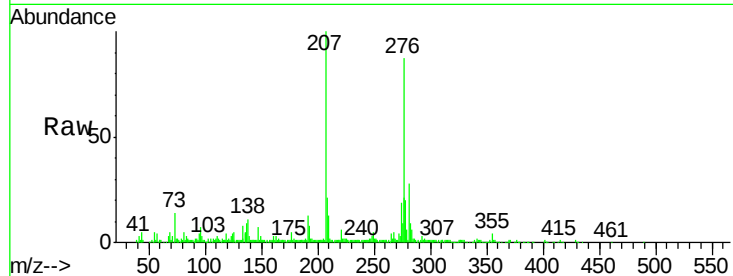
ClientSampleId :

B-31(5-5.5)-101817DL

Tgt Ion:	278	Resp:	71490
Ion Ratio	Lower	Upper	
278	100		
139	15.8	13.9	20.9
279	29.8	19.0	28.4

Manual Integrations
APPROVED

Sohil
11/9/2017 6:00:32 PM



#93

Benzo(g,h,i)perylene

Concen: 5.448 ng/ul

RT: 26.68 min Scan# 4011

Delta R.T. 0.01 min

Lab File: BM012854.D

Acq: 09 Nov 2017 15:46

Tgt Ion:	276	Resp:	210950
Ion Ratio	Lower	Upper	
276	100		
138	15.8	18.9	28.3
277	25.2	19.2	28.8

