

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101417\
 Data File : BM012208.D
 Acq On : 15 Oct 2017 14:37
 Operator : SJ/JU
 Sample : I5533-09DL2 30X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-54(1-2)-092817DL2

Manual Integrations
 APPROVED

Sohil
 10/16/2017 7:49:02 PM

Quant Time: Oct 16 03:56:41 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 16 01:56:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	169049	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	750950	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	506498	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	1210690	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	1014255	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	919938	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.12	96	277	0.08	ng/uL	-0.10
5) Phenol-d5	7.00	99	1662	0.12	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.16	67	1504	0.18	ng/ul	0.02
9) 2-Chlorophenol-d4	7.36	132	4058	0.35	ng/ul	0.02
13) 4-Methylphenol-d8	8.56	113	1020	0.09	ng/ul	0.04
19) Nitrobenzene-d5	9.02	128	1215	0.21	ng/ul	0.04
22) 2-Nitrophenol-d4	9.72	143	1184	0.18	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.30	165	2788	0.22	ng/ul	0.06
29) 4-Chloroaniline-d4	10.82	131	2057	0.17	ng/ul	0.06
43) Dimethylphthalate-d6	13.88	166	20521	0.46	ng/ul	0.01
46) Acenaphthylene-d8	14.16	160	25855	0.48	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.46	176	19260	0.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.32	188	36379	0.61	ng/ul	0.00
76) Pyrene-d10	19.61	212	31792	0.62	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	22116	0.50	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.67	128	116511	2.999	ng/ul	99
34) 2-Methylnaphthalene	12.29	142	51733	1.764	ng/ul	94
49) Acenaphthene	14.53	153	144422	4.029	ng/ul	99
53) Dibenzofuran	14.87	168	179802	3.484	ng/ul	95
58) Fluorene	15.52	166	245410	5.726	ng/ul	99
69) Phenanthrene	17.26	178	2865470	41.605	ng/ul	99
71) Anthracene	17.35	178	656845	9.212	ng/ul	97
72) Carbazole	17.63	167	171266	2.838	ng/ul	100
74) Fluoranthene	19.27	202	2733009	32.882	ng/ul#	94
77) Pyrene	19.64	202	2210663	33.003	ng/ul#	94
80) Benzo(a)anthracene	21.38	228	960564	14.555	ng/ul	97
82) Chrysene	21.43	228	800490	12.919	ng/ul	95
85) Benzo(b)fluoranthene	23.01	252	880992	14.675	ng/ul#	98
86) Benzo(k)fluoranthene	23.05	252	260605m	4.505	ng/ul	
88) Benzo(a)pyrene	23.61	252	632125	11.172	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.08	276	392449	6.531	ng/ul#	93
90) Dibenzo(a,h)anthracene	26.07	278	101869	2.017	ng/ul#	75
91) Benzo(g,h,i)perylene	26.81	276	355202	7.218	ng/ul#	90

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

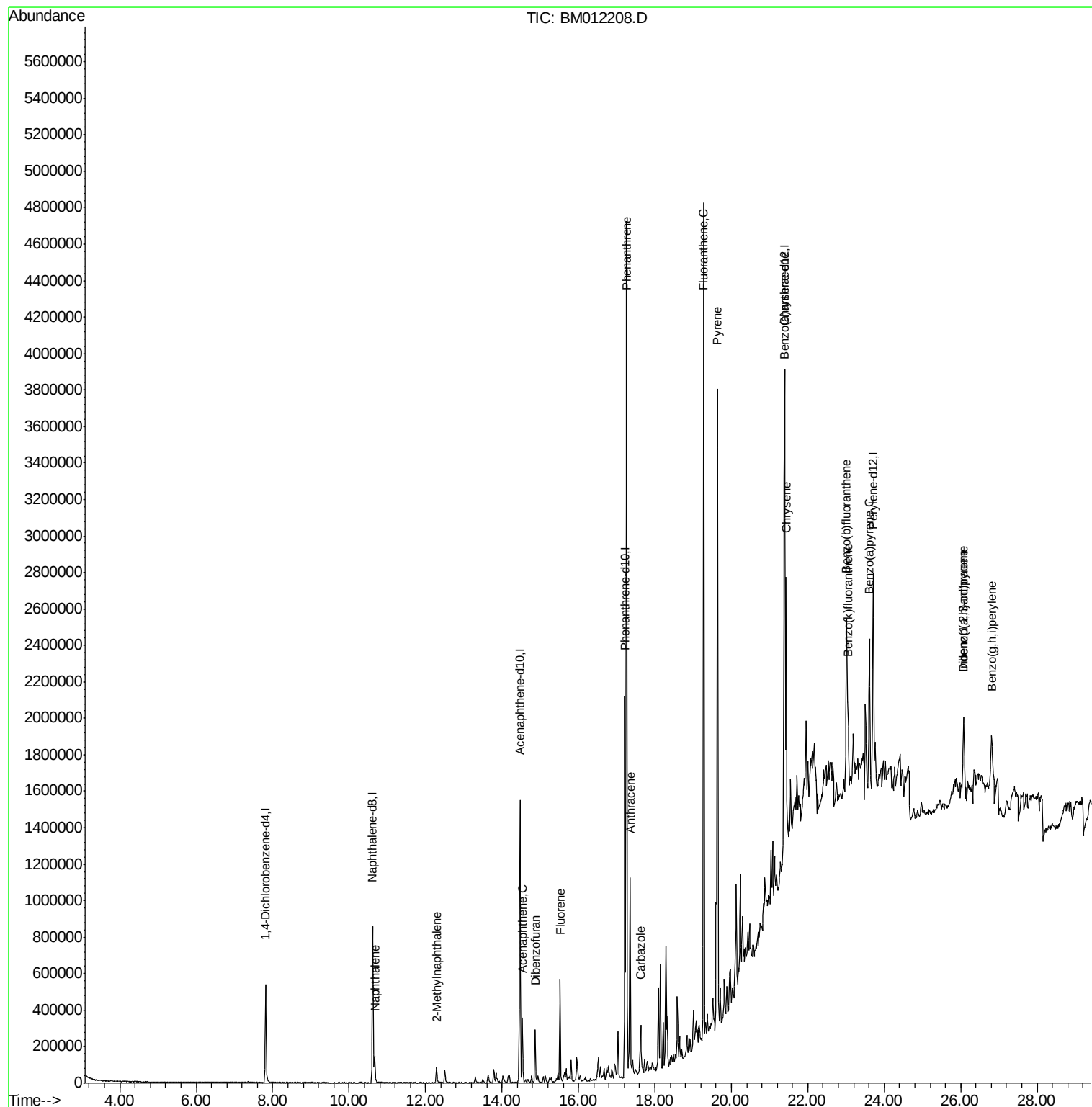
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012208.D
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Sample : I5533-09DL2 30X
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ALS Vial : 38 Sample Multiplier: 1

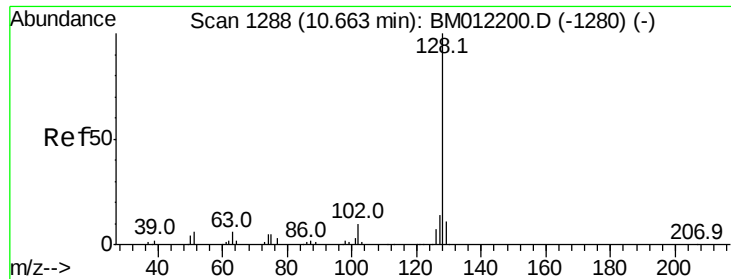
Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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Quant Title : SVOA CALIBRATION
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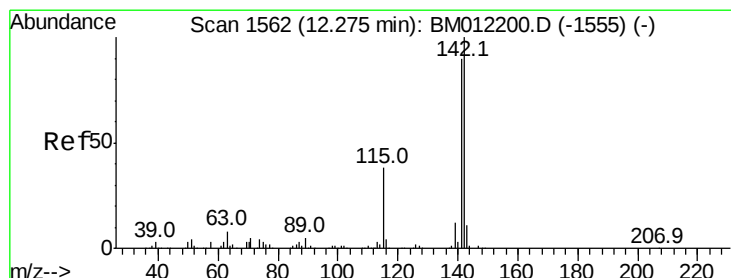
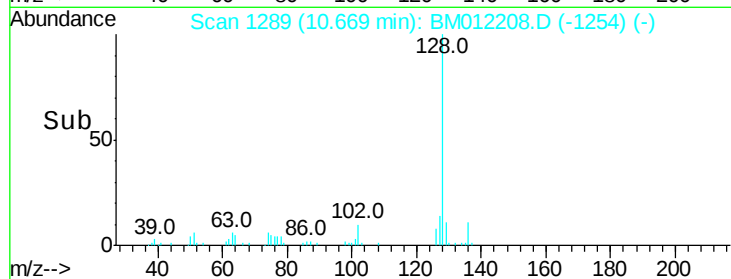
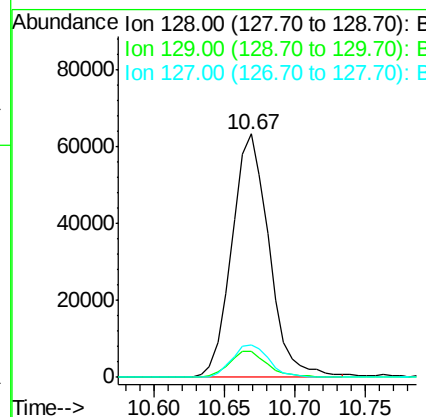
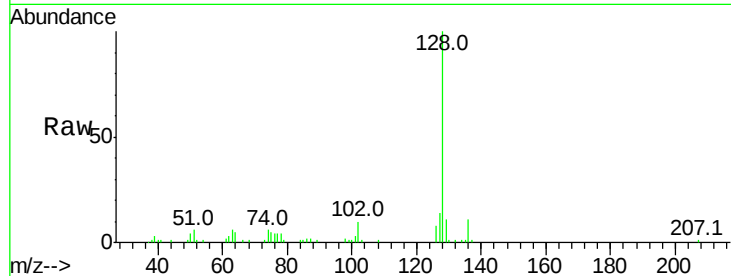
#28
Naphthalene
Concen: 2.999 ng/ul
RT: 10.67 min Scan# 1289
Delta R.T. 0.01 min
Lab File: BM012208.D
Acq: 15 Oct 2017 14:37

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817DL2

Tot Ion	Ratio	Resp	Lower	Upper
128	100	116511		
129	10.7		8.8	13.2
127	13.5		10.6	16.0

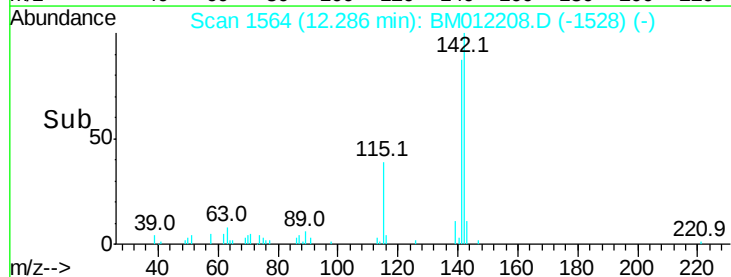
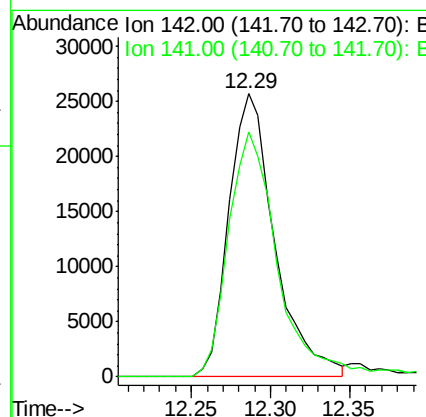
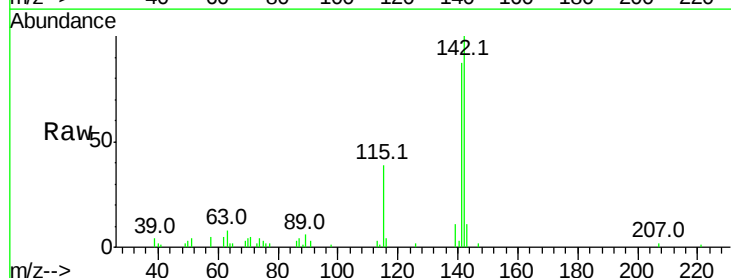
Manual Integrations
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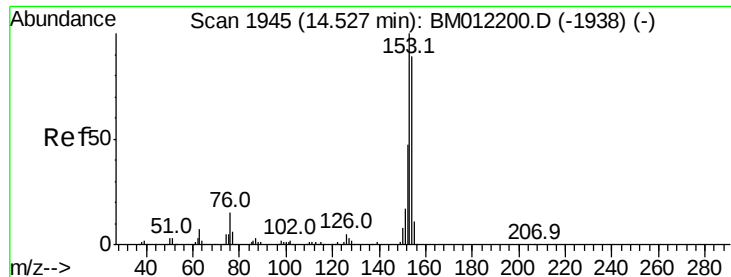
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#34
2-Methylnaphthalene
Concen: 1.764 ng/ul
RT: 12.29 min Scan# 1564
Delta R.T. 0.01 min
Lab File: BM012208.D
Acq: 15 Oct 2017 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	51733		
141	86.6		74.1	111.1





#49

Acenaphthene

Concen: 4.029 ng/ul

RT: 14.53 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Instrument :

BNA_M

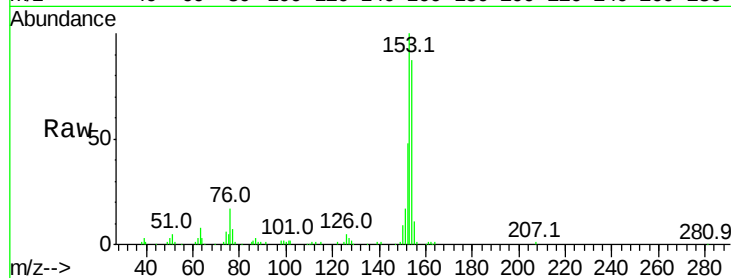
ClientSampleId :

B-54(1-2)-092817DL2

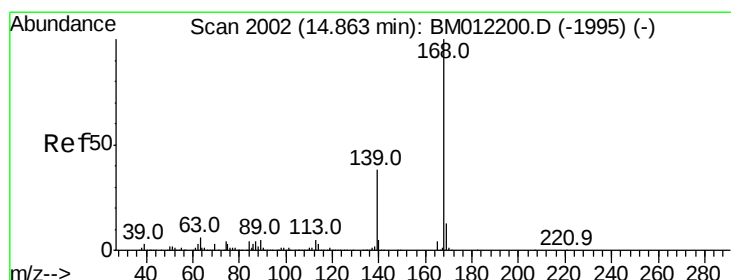
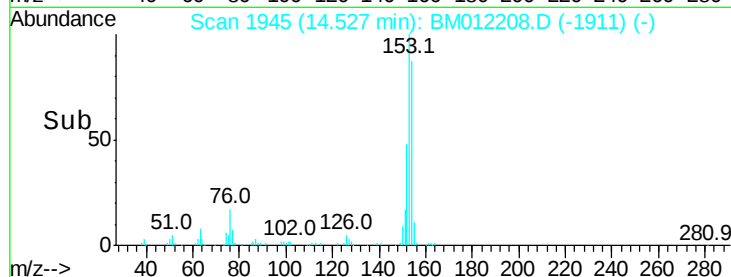
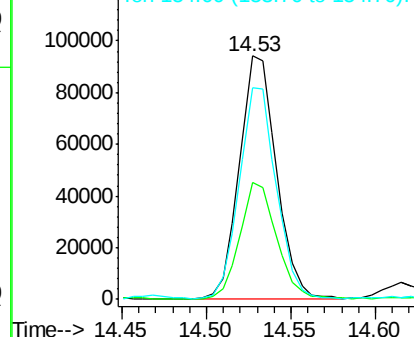
Tot Ion:	153	Resp:	144422
Ion Ratio	Lower	Upper	
153	100		
152	48.1	37.6	56.4
154	86.7	70.4	105.6

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 3.484 ng/ul

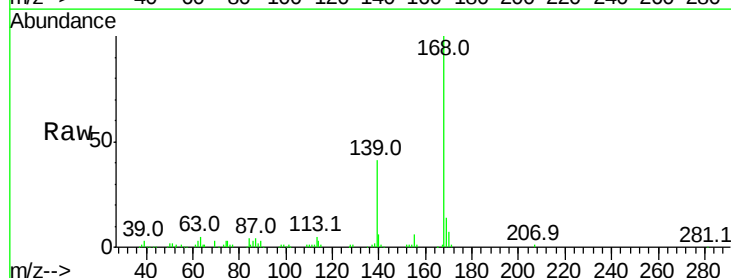
RT: 14.87 min Scan# 2003

Delta R.T. 0.01 min

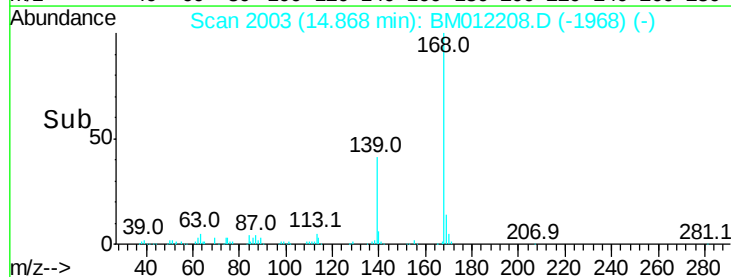
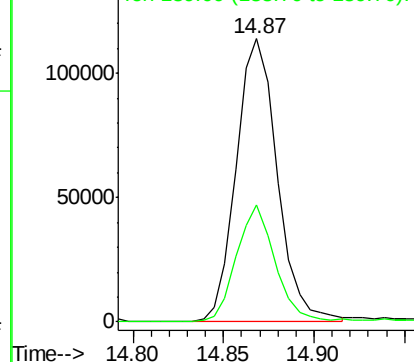
Lab File: BM012208.D

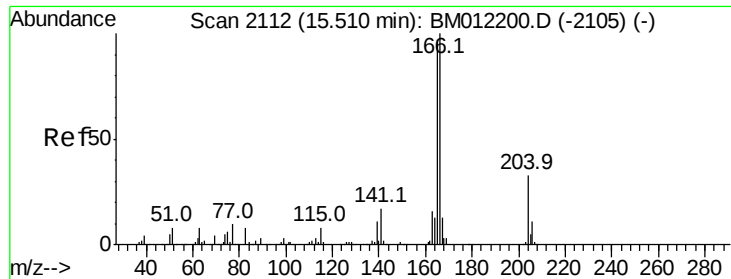
Acq: 15 Oct 2017 14:37

Tgt Ion:	168	Resp:	179802
Ion Ratio	Lower	Upper	
168	100		
139	41.3	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 5.726 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.01 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Instrument :

BNA_M

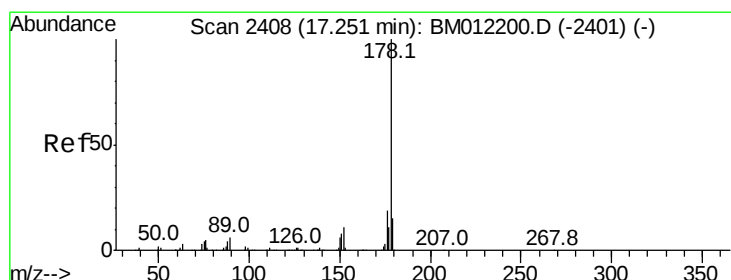
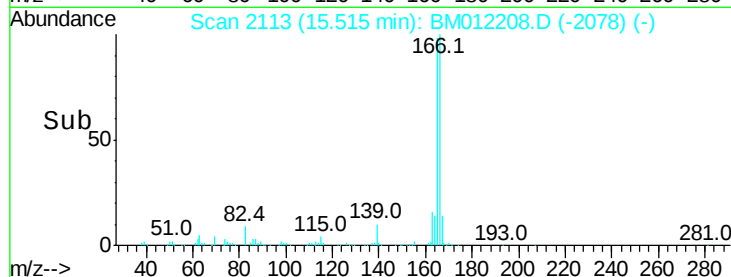
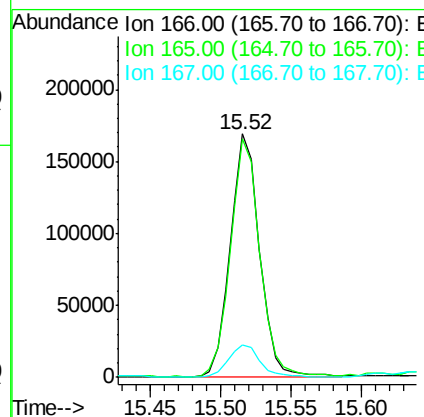
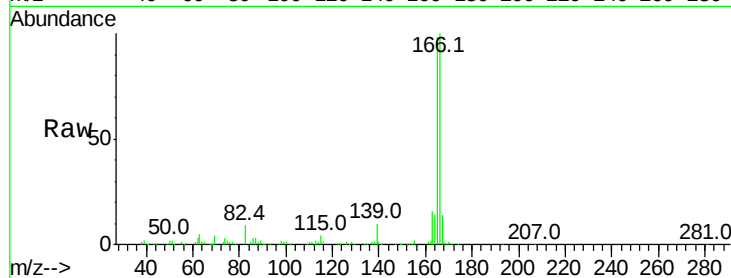
ClientSampleId :

B-54(1-2)-092817DL2

Tot Ion:	166	Resp:	245410
Ion Ratio	Lower	Upper	
166	100		
165	98.0	77.9	116.9
167	13.5	10.6	16.0

Manual Integrations
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#69

Phenanthrene

Concen: 41.605 ng/ul

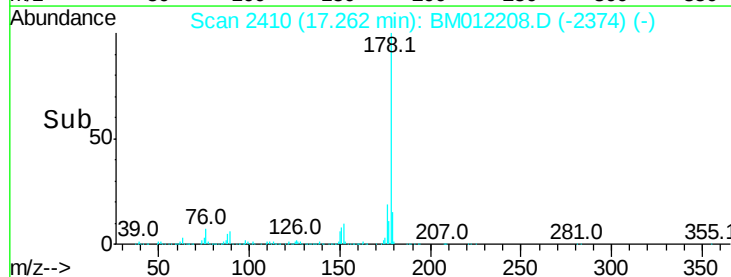
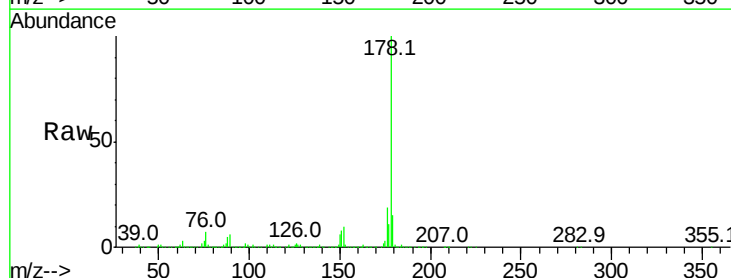
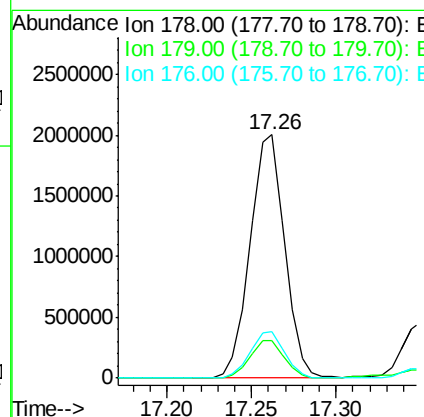
RT: 17.26 min Scan# 2410

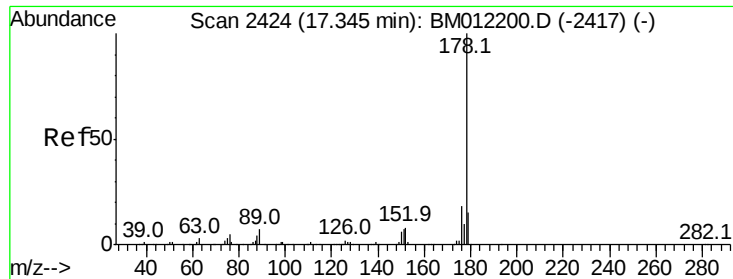
Delta R.T. 0.01 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Tgt Ion:	178	Resp:	2865470
Ion Ratio	Lower	Upper	
178	100		
179	15.2	12.6	19.0
176	18.9	14.9	22.3





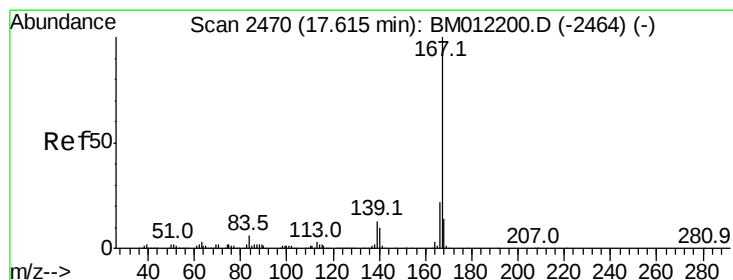
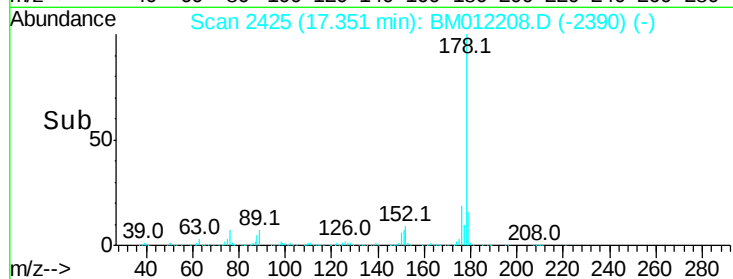
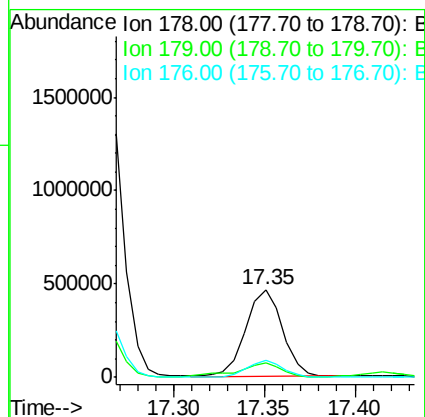
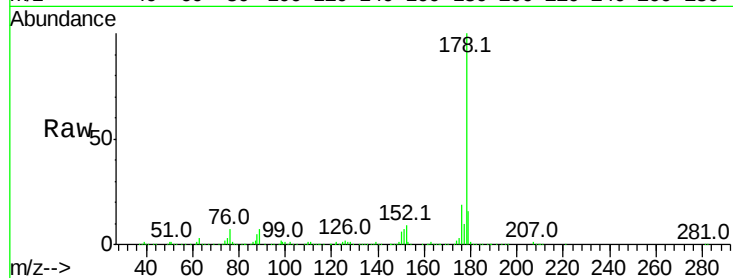
#71
 Anthracene
 Concen: 9.212 ng/ul
 RT: 17.35 min Scan# 2425
 Delta R.T. 0.01 min
 Lab File: BM012208.D
 Acq: 15 Oct 2017 14:37

Instrument :
 BNA_M
 ClientSampleId :
 B-54(1-2)-092817DL2

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.1	11.7	17.5
176	18.9	14.6	21.8

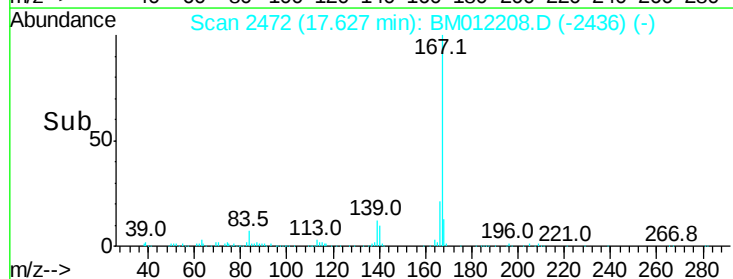
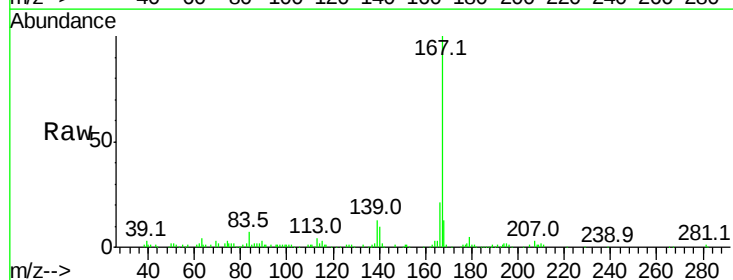
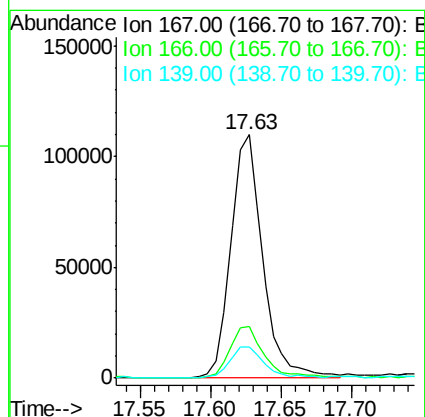
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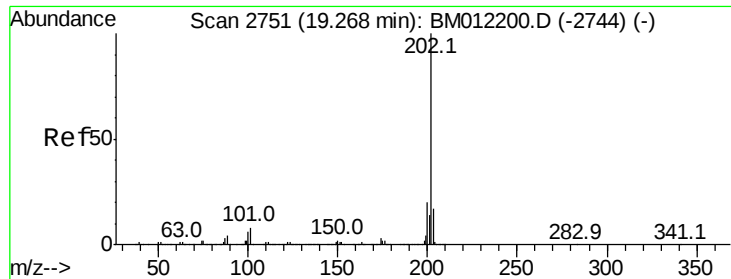
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#72
 Carbazole
 Concen: 2.838 ng/ul
 RT: 17.63 min Scan# 2472
 Delta R.T. 0.01 min
 Lab File: BM012208.D
 Acq: 15 Oct 2017 14:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.6	10.0	15.0





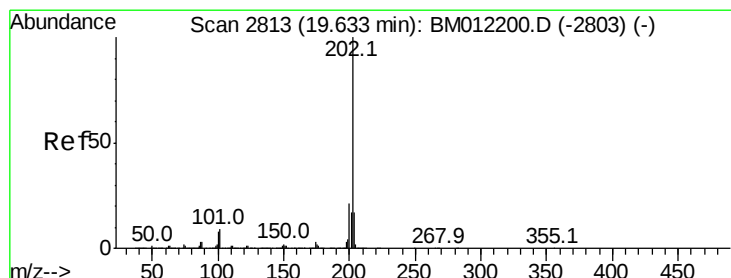
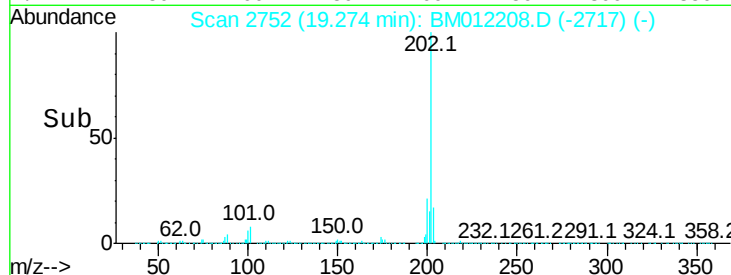
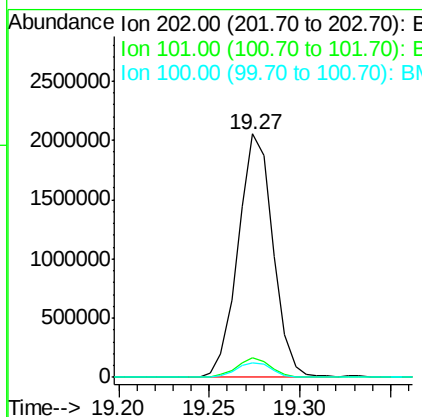
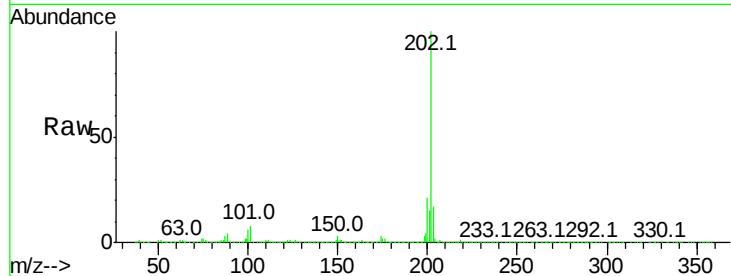
#74
 Fluoranthene
 Concen: 32.882 ng/ul
 RT: 19.27 min Scan# 2752
 Delta R.T. 0.01 min
 Lab File: BM012208.D
 Acq: 15 Oct 2017 14:37

Instrument :
 BNA_M
 ClientSampleId :
 B-54(1-2)-092817DL2

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.0	4.6	7.0#
100	6.2	3.4	5.2#

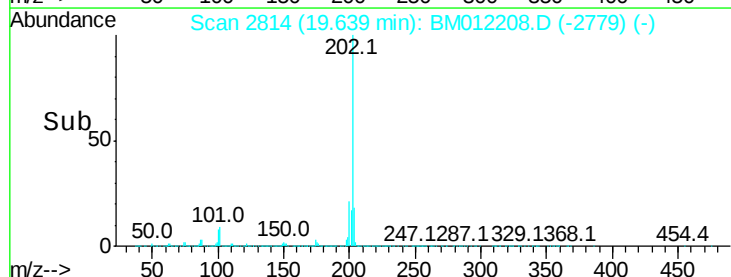
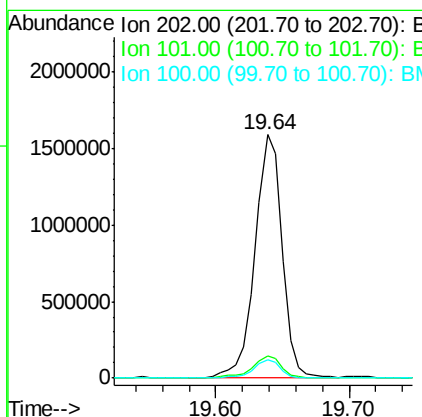
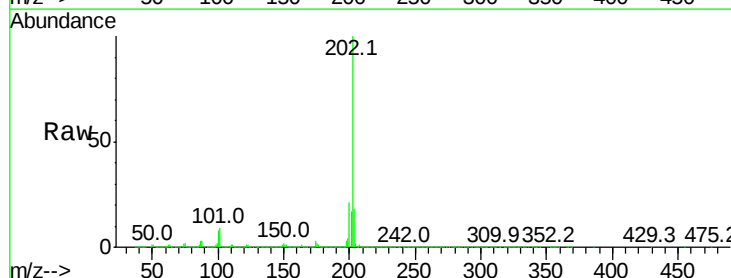
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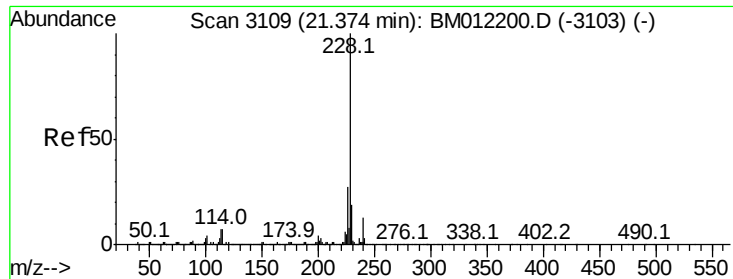
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#77
 Pyrene
 Concen: 33.003 ng/ul
 RT: 19.64 min Scan# 2814
 Delta R.T. 0.01 min
 Lab File: BM012208.D
 Acq: 15 Oct 2017 14:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	5.1	7.7#
100	7.7	4.9	7.3#





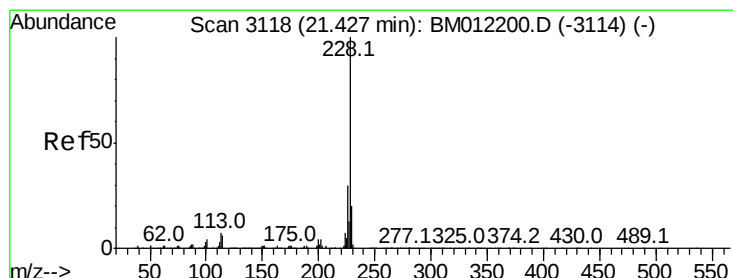
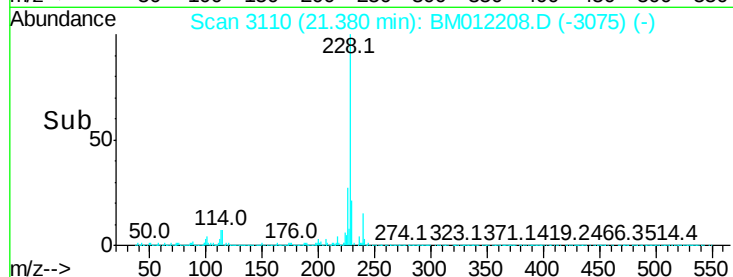
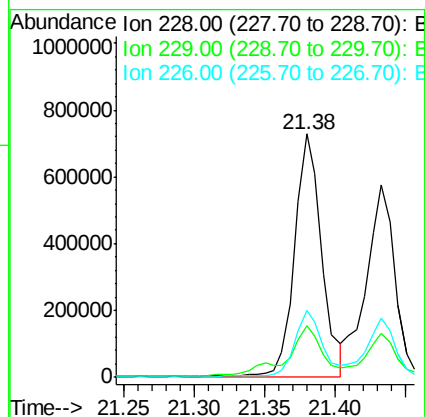
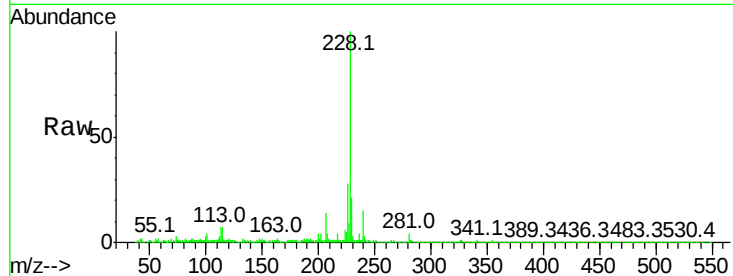
#80
Benzo(a)anthracene
Concen: 14.555 ng/ul
RT: 21.38 min Scan# 3110
Delta R.T. 0.01 min
Lab File: BM012208.D
Acq: 15 Oct 2017 14:37

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817DL2

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.4	23.0
226	27.7	21.4	32.0

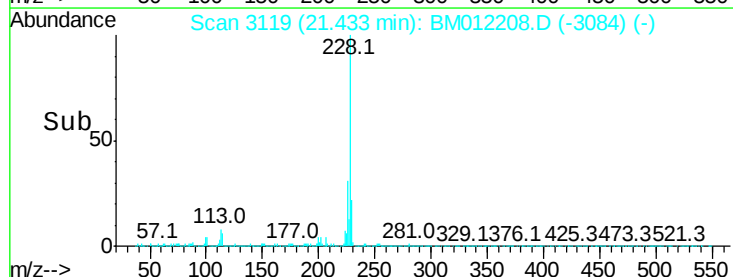
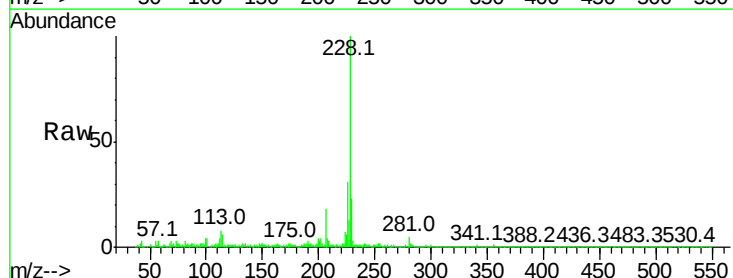
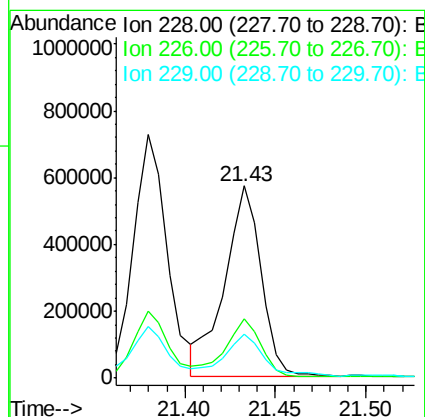
Manual Integrations
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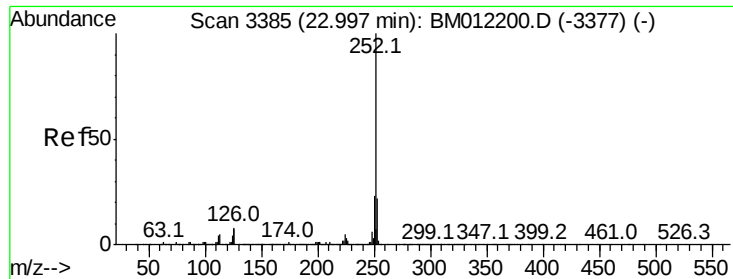
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#82
Chrysene
Concen: 12.919 ng/ul
RT: 21.43 min Scan# 3119
Delta R.T. 0.01 min
Lab File: BM012208.D
Acq: 15 Oct 2017 14:37

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





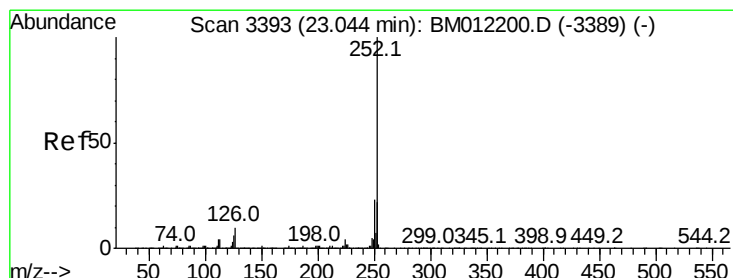
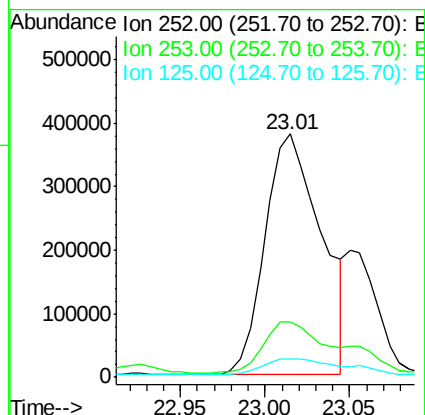
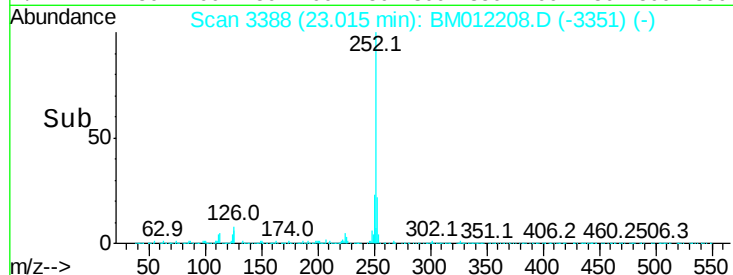
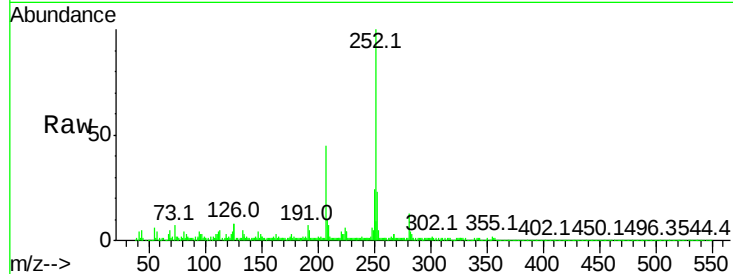
#85
Benzo(b)fluoranthene
Concen: 14.675 ng/ul
RT: 23.01 min Scan# 3388
Delta R.T. 0.02 min
Lab File: BM012208.D
Acq: 15 Oct 2017 14:37

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817DL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	7.5	3.6	5.4#

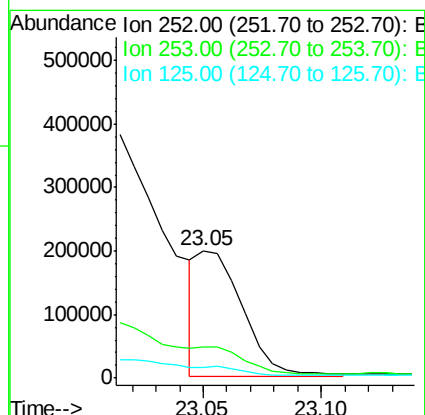
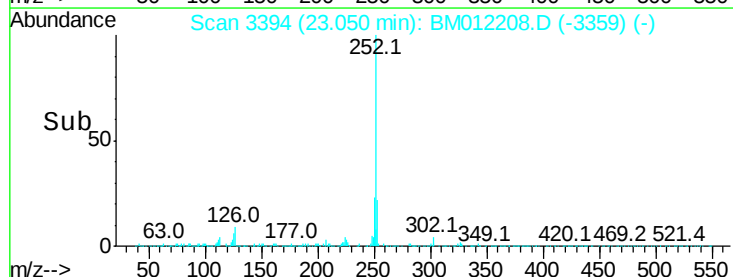
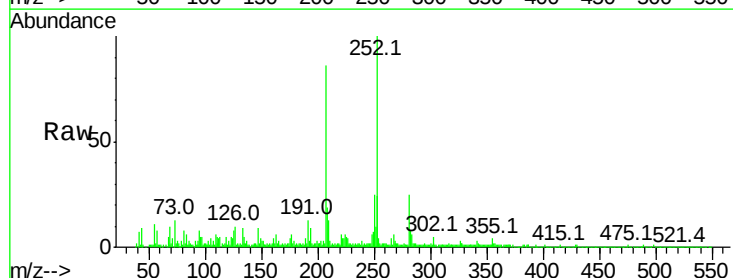
Manual Integrations
APPROVED

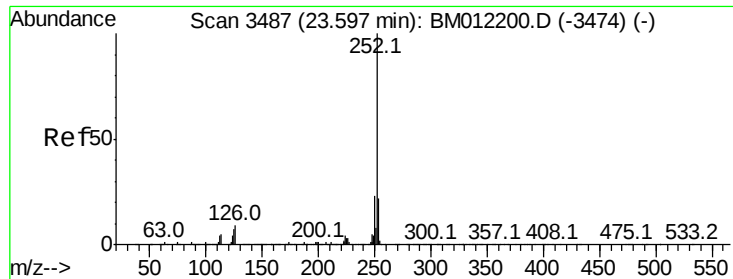
Sohil
10/16/2017 7:49:02 PM



#86
Benzo(k)fluoranthene
Concen: 4.505 ng/ul m
RT: 23.05 min Scan# 3394
Delta R.T. 0.01 min
Lab File: BM012208.D
Acq: 15 Oct 2017 14:37

Tgt 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: 11.172 ng/ul

RT: 23.61 min Scan# 3489

Delta R.T. 0.01 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Instrument :

BNA_M

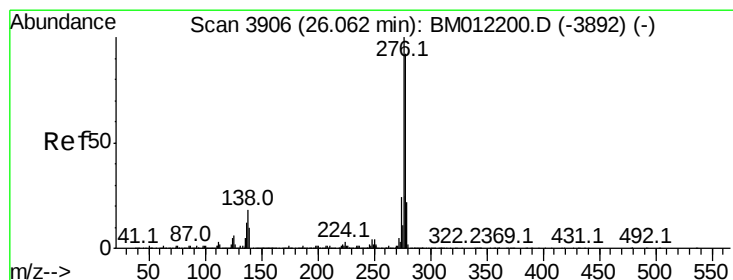
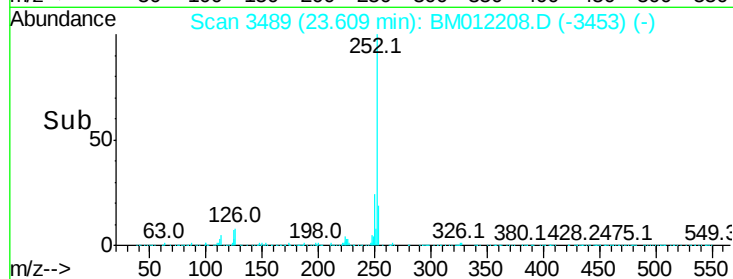
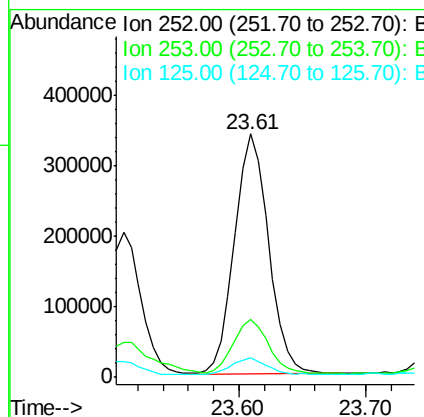
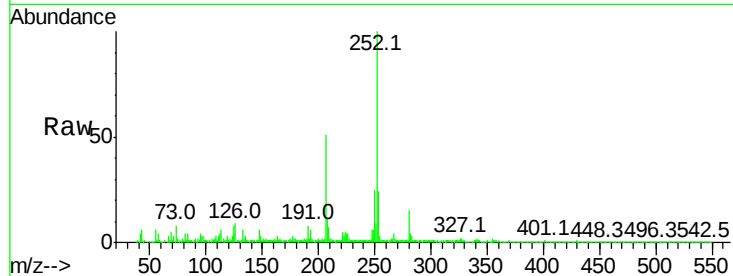
ClientSampleID :

B-54(1-2)-092817DL2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	632125		
253	23.7	18.2	27.2	
125	8.1	4.0	6.0	

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#89

Indeno(1,2,3-cd)pyrene

Concen: 6.531 ng/ul

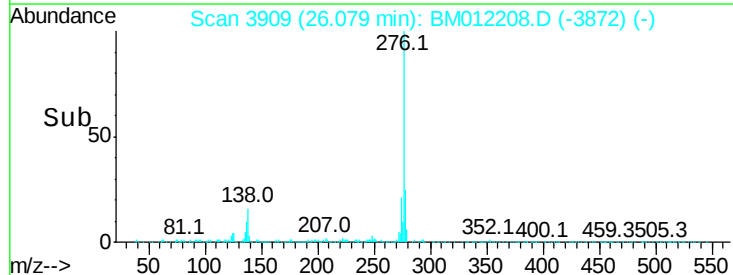
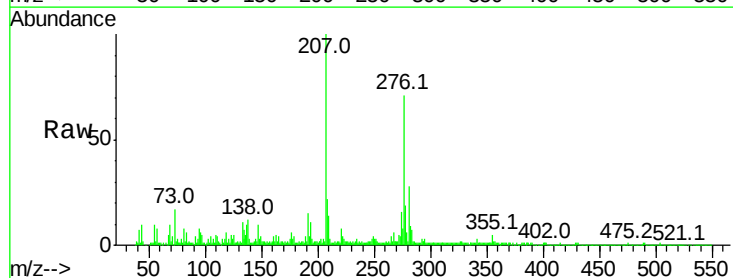
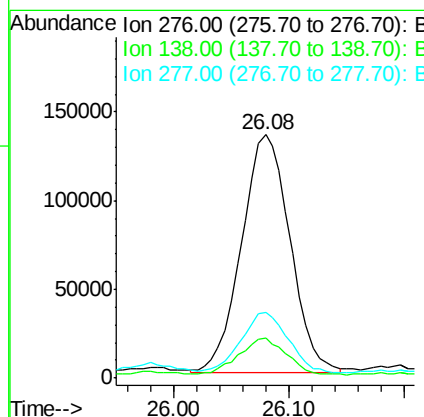
RT: 26.08 min Scan# 3909

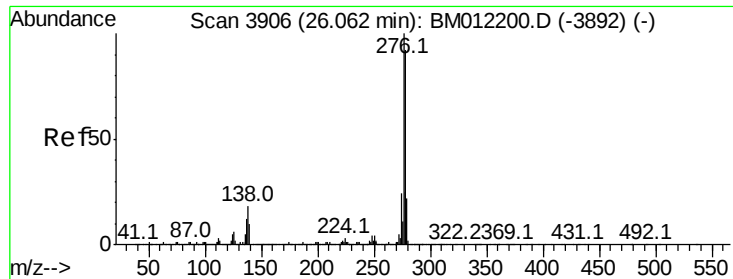
Delta R.T. 0.02 min

Lab File: BM012208.D

Acq: 15 Oct 2017 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	392449		
138	16.7	9.3	13.9	
277	27.0	19.9	29.9	





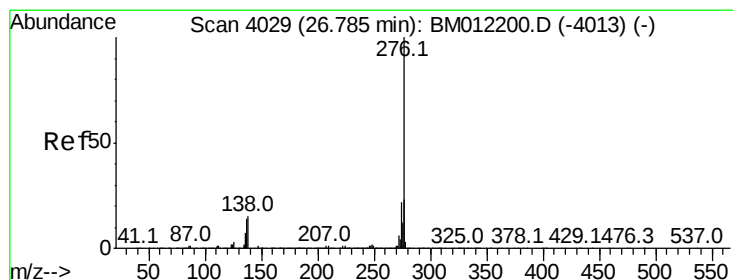
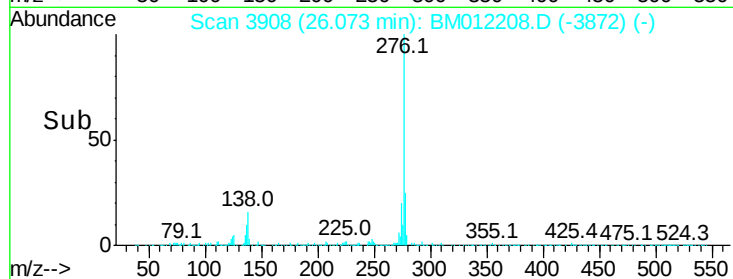
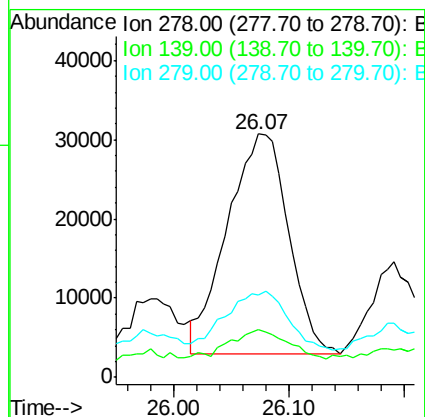
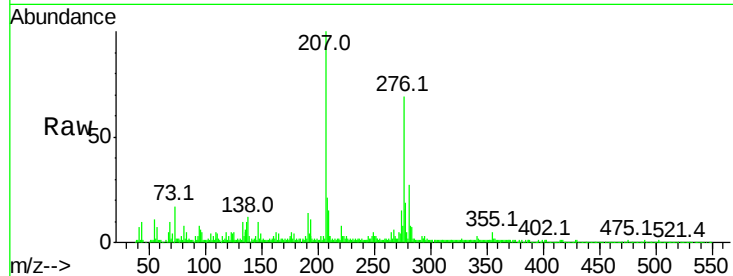
#90
Dibenzo(a,h)anthracene
Concen: 2.017 ng/ul
RT: 26.07 min Scan# 3908
Delta R.T. 0.01 min
Lab File: BM012208.D
Acq: 15 Oct 2017 14:37

Instrument :
BNA_M
ClientSampleId :
B-54(1-2)-092817DL2

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.8	5.8	8.8#
279	34.0	18.6	27.8#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.218 ng/ul
RT: 26.81 min Scan# 4033
Delta R.T. 0.02 min
Lab File: BM012208.D
Acq: 15 Oct 2017 14:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.2	8.5	12.7#
277	27.7	18.6	28.0

