

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101417\
 Data File : BM012209.D
 Acq On : 15 Oct 2017 15:14
 Operator : SJ/JU
 Sample : I5568-01DL 30X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-53(1-3)-092817DL

Manual Integrations
 APPROVED

Sohil
 10/16/2017 7:49:05 PM

Quant Time: Oct 16 03:07:09 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	163596	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	694967	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	444120	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	1049537	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	783886	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	763558	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	343	0.10	ng/uL	0.00
5) Phenol-d5	7.00	99	4824	0.36	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.16	67	4419	0.56	ng/ul	0.02
9) 2-Chlorophenol-d4	7.35	132	6552	0.58	ng/ul	0.01
13) 4-Methylphenol-d8	8.56	113	4834	0.42	ng/ul	0.04
19) Nitrobenzene-d5	9.00	128	1191	0.22	ng/ul	0.02
22) 2-Nitrophenol-d4	9.72	143	2660	0.43	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.27	165	1789	0.15	ng/ul	0.04
29) 4-Chloroaniline-d4	10.80	131	227	0.02	ng/ul	0.04
43) Dimethylphthalate-d6	13.87	166	33733	0.86	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	38791	0.82	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.46	176	29535	0.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.32	188	49730	0.96	ng/ul	0.00
76) Pyrene-d10	19.61	212	46082	1.16	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	30900	0.84	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.67	128	118322	3.291	ng/ul	99
34) 2-Methylnaphthalene	12.29	142	33161	1.222	ng/ul	95
49) Acenaphthene	14.53	153	197858	6.296	ng/ul	97
53) Dibenzofuran	14.87	168	135710	2.999	ng/ul	97
58) Fluorene	15.52	166	201598	5.364	ng/ul	97
69) Phenanthrene	17.26	178	2024255	33.904	ng/ul	100
71) Anthracene	17.35	178	517935	8.379	ng/ul	98
72) Carbazole	17.62	167	217416	4.156	ng/ul	99
74) Fluoranthene	19.27	202	2067351	28.692	ng/ul#	95
77) Pyrene	19.64	202	1637754	31.636	ng/ul#	96
80) Benzo(a)anthracene	21.38	228	702574	13.774	ng/ul	98
82) Chrysene	21.43	228	620643m	12.960	ng/ul	
85) Benzo(b)fluoranthene	23.01	252	724302	14.536	ng/ul#	97
86) Benzo(k)fluoranthene	23.05	252	208511m	4.342	ng/ul	
88) Benzo(a)pyrene	23.61	252	511950	10.901	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.08	276	301328	6.042	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.08	278	80648	1.924	ng/ul#	80
91) Benzo(g,h,i)perylene	26.81	276	270828	6.630	ng/ul#	93

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

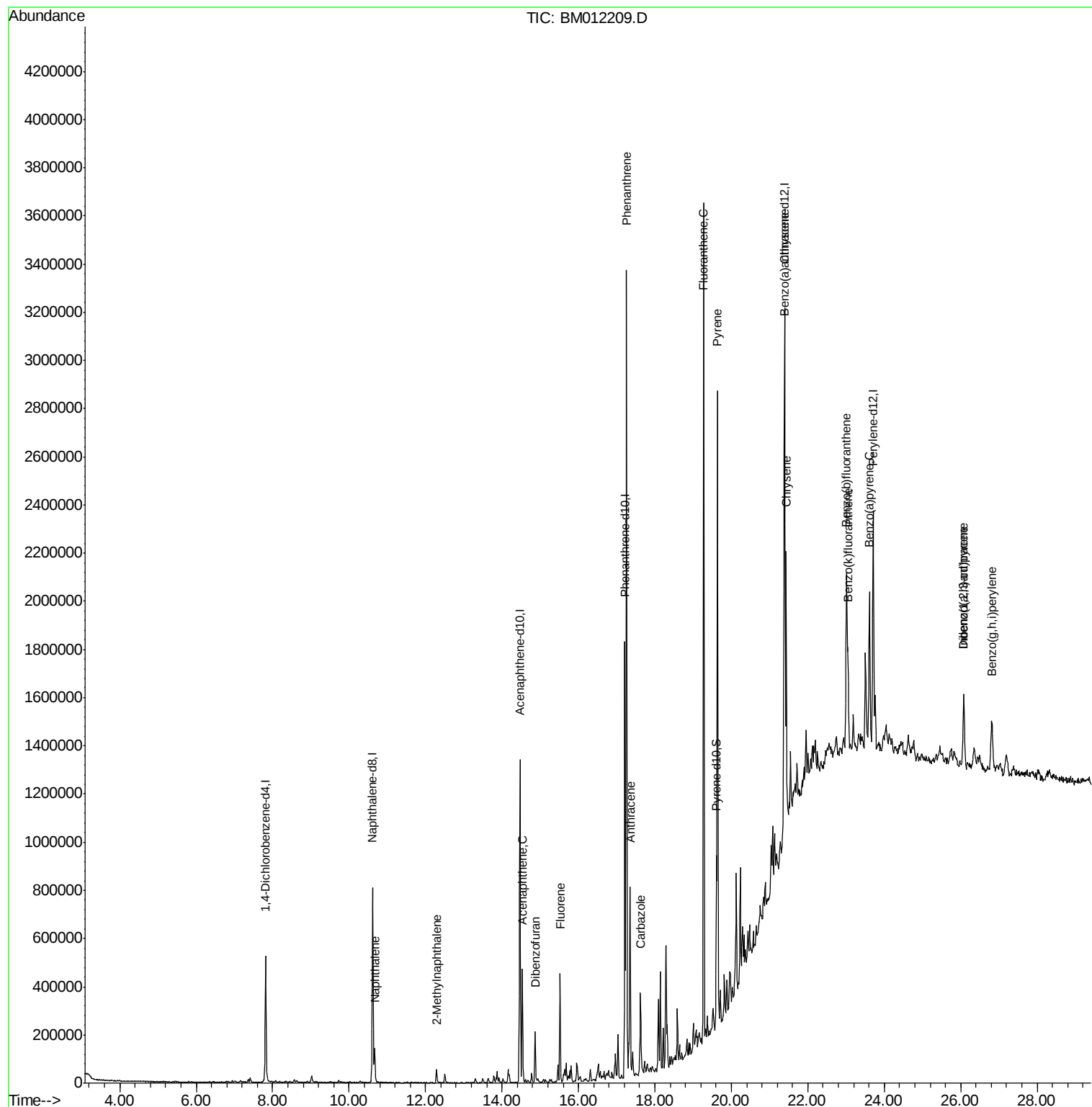
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012209.D
Acq On : 15 Oct 2017 15:14
Operator : SJ/JU
Sample : I5568-01DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

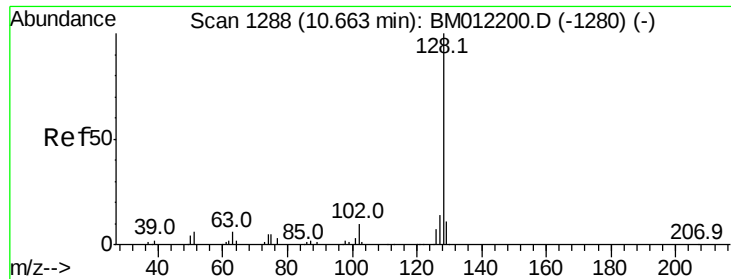
Instrument :
BNA_M
ClientSampleId :
B-53(1-3)-092817DL

Manual Integrations
APPROVED

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Quant Time: Oct 16 03:07:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
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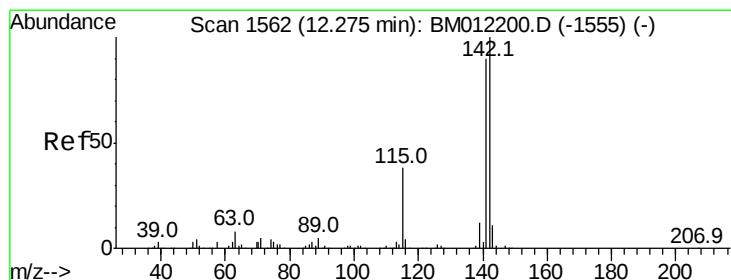
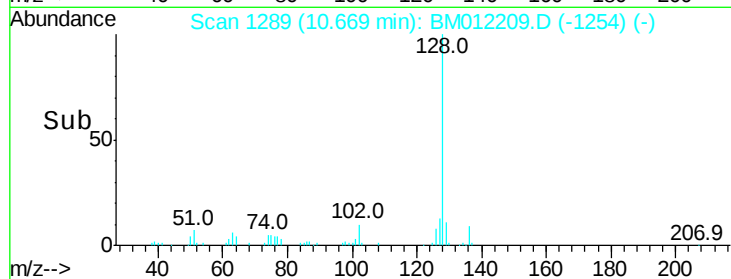
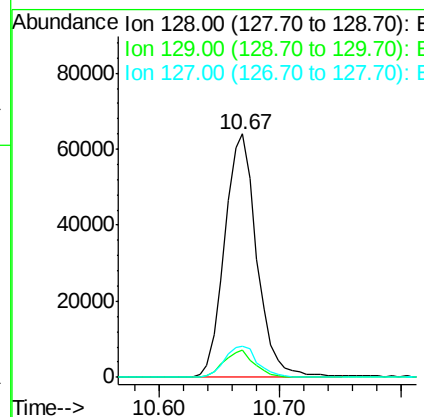
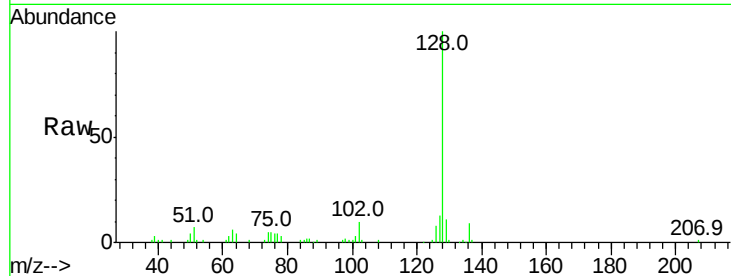
#28
Naphthalene
Concen: 3.291 ng/ul
RT: 10.67 min Scan# 1289
Delta R.T. 0.01 min
Lab File: BM012209.D
Acq: 15 Oct 2017 15:14

Instrument :
BNA_M
ClientSampleId :
B-53(1-3)-092817DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.9	10.6	16.0

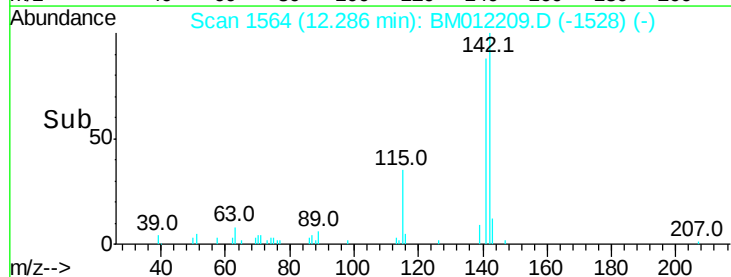
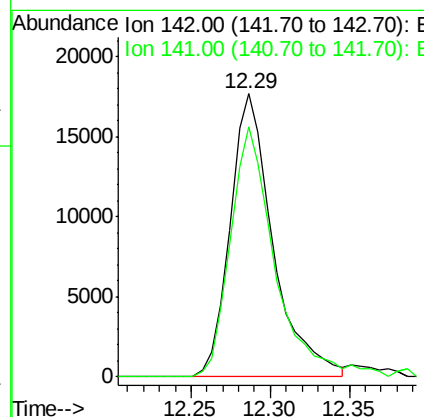
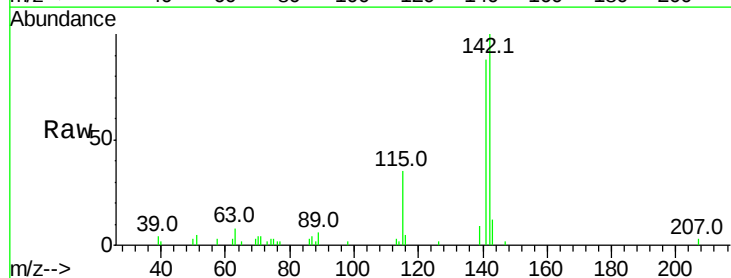
Manual Integrations
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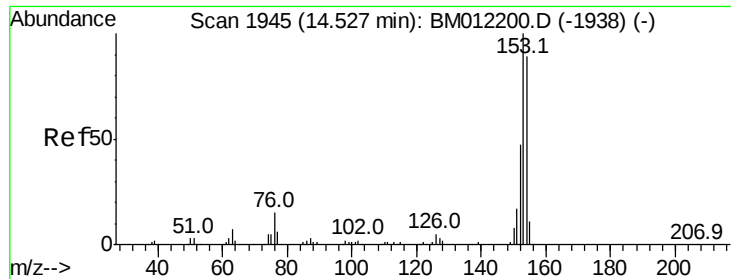
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#34
2-Methylnaphthalene
Concen: 1.222 ng/ul
RT: 12.29 min Scan# 1564
Delta R.T. 0.01 min
Lab File: BM012209.D
Acq: 15 Oct 2017 15:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	74.1	111.1





#49

Acenaphthene

Concen: 6.296 ng/ul

RT: 14.53 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Instrument :

BNA_M

ClientSampleId :

B-53(1-3)-092817DL

Tot Ion:153 Resp: 197858

Ion Ratio Lower Upper

153 100

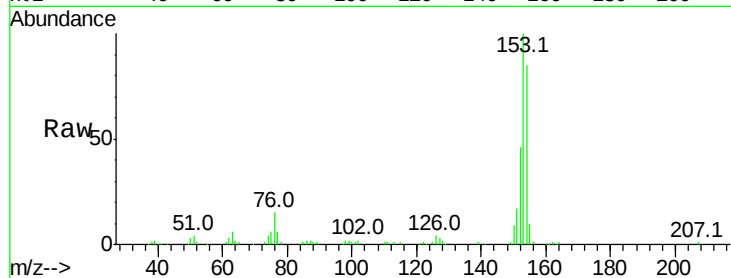
152 45.7 37.6 56.4

154 84.5 70.4 105.6

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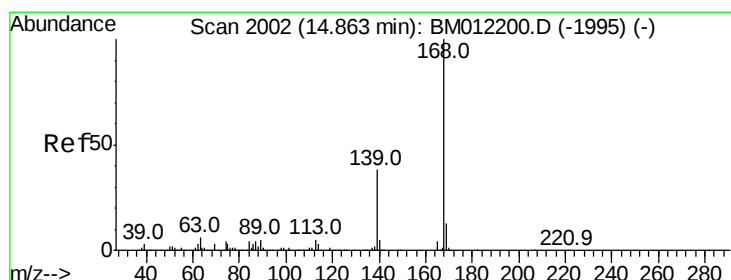
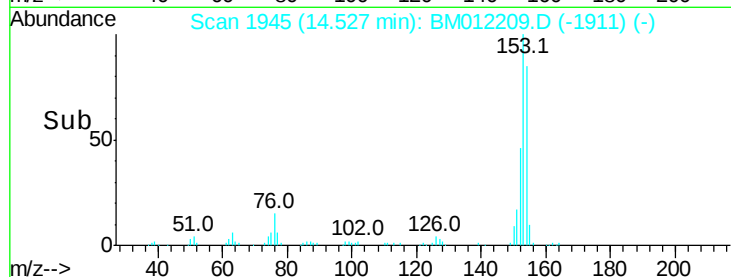
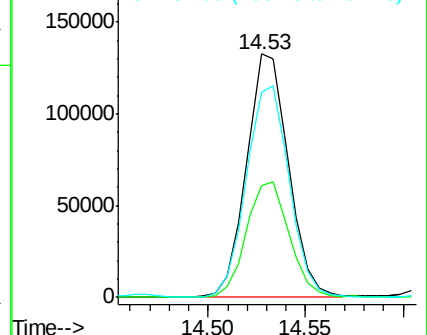
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 2.999 ng/ul

RT: 14.87 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BM012209.D

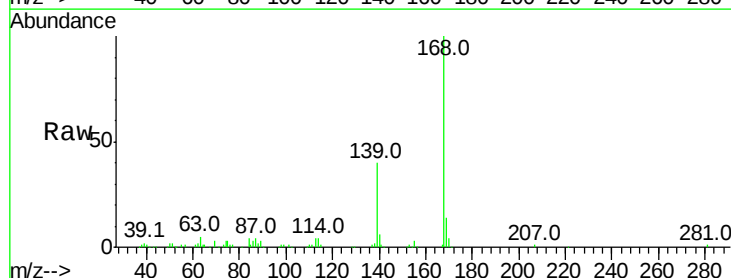
Acq: 15 Oct 2017 15:14

Tgt Ion:168 Resp: 135710

Ion Ratio Lower Upper

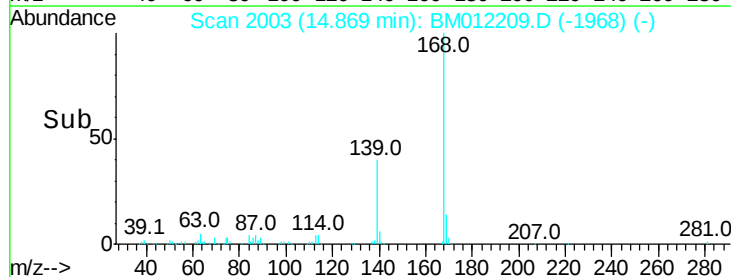
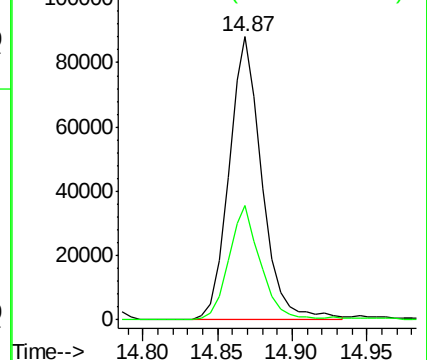
168 100

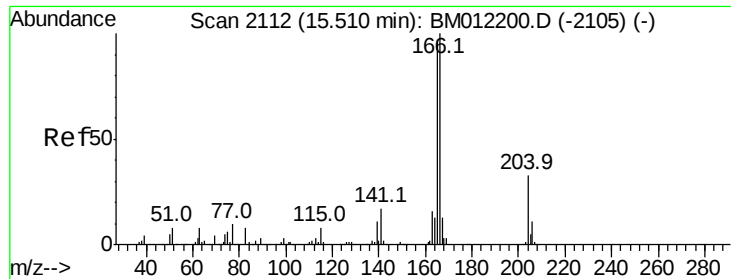
139 40.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





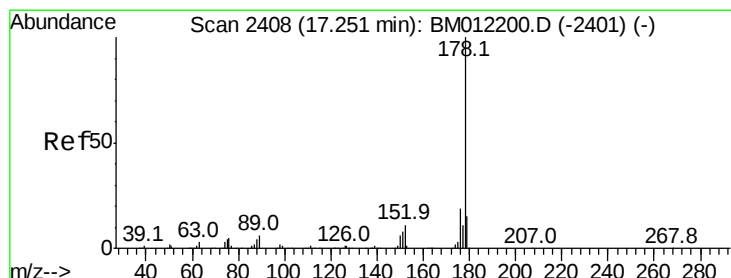
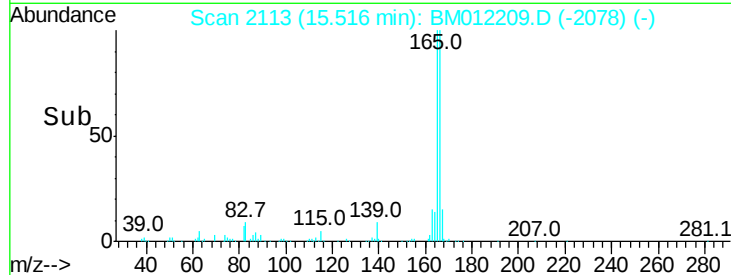
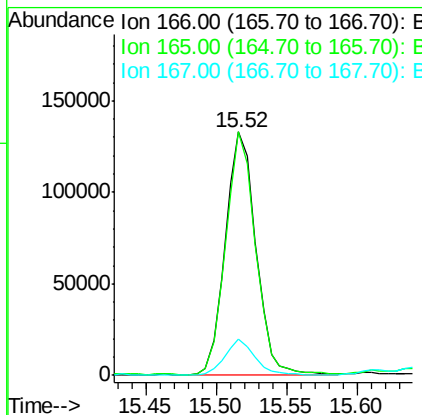
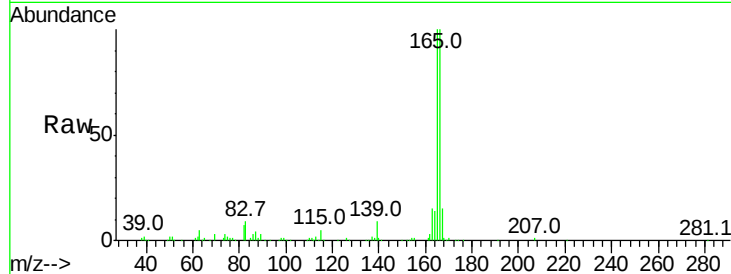
#58
 Fluorene
 Concen: 5.364 ng/ul
 RT: 15.52 min Scan# 2113
 Delta R.T. 0.01 min
 Lab File: BM012209.D
 Acq: 15 Oct 2017 15:14

Instrument :
 BNA_M
 ClientSampleId :
 B-53(1-3)-092817DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	201598		
165	99.8	77.9	116.9	
167	14.8	10.6	16.0	

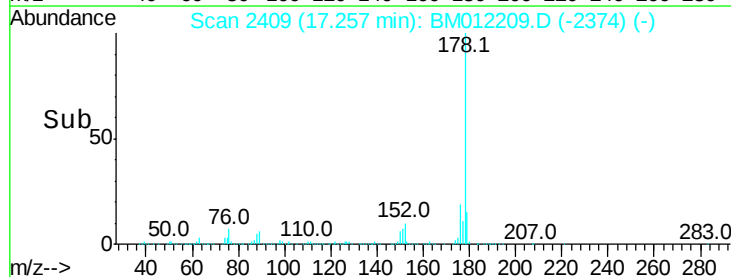
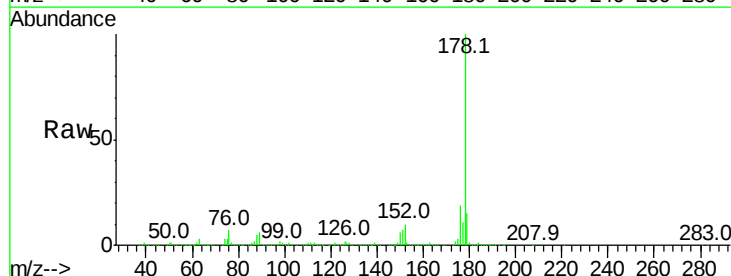
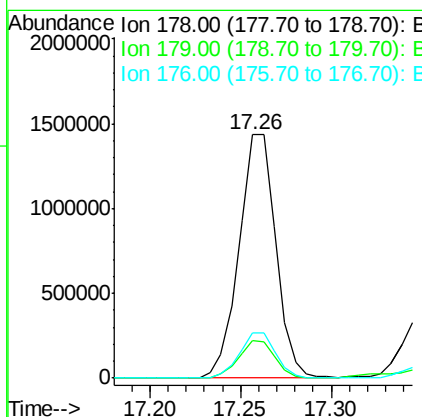
Manual Integrations
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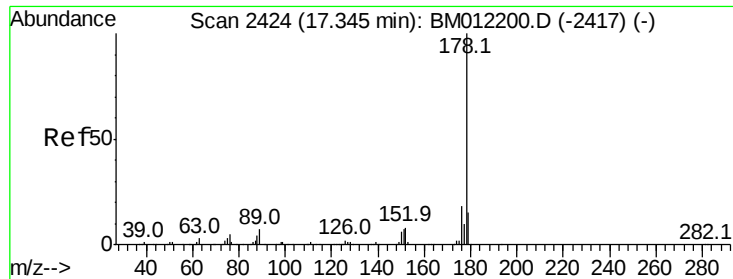
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#69
 Phenanthrene
 Concen: 33.904 ng/ul
 RT: 17.26 min Scan# 2409
 Delta R.T. 0.01 min
 Lab File: BM012209.D
 Acq: 15 Oct 2017 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2024255		
179	15.5	12.6	19.0	
176	18.6	14.9	22.3	





#71

Anthracene

Concen: 8.379 ng/ul

RT: 17.35 min Scan# 2425

Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Instrument :

BNA_M

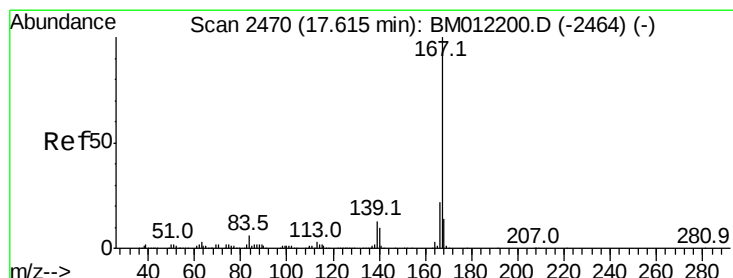
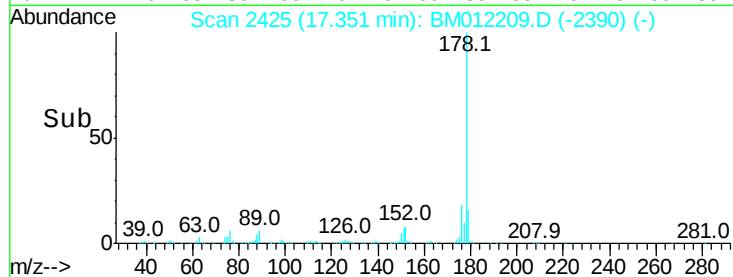
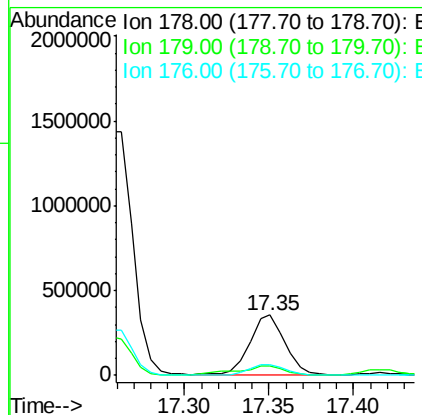
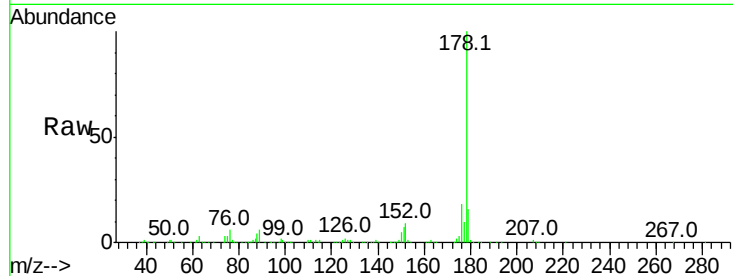
ClientSampleId :

B-53(1-3)-092817DL

Tot Ion:	178	Resp:	517935
Ion Ratio	Lower	Upper	
178	100		
179	16.0	11.7	17.5
176	18.0	14.6	21.8

Manual Integrations
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#72

Carbazole

Concen: 4.156 ng/ul

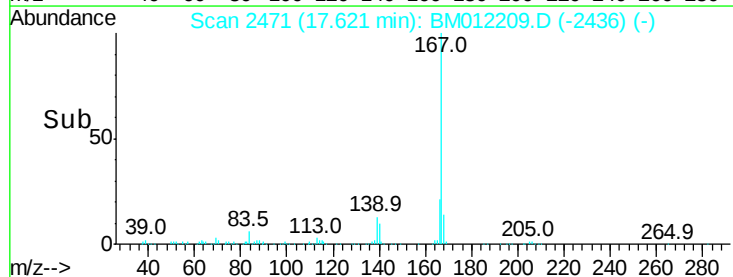
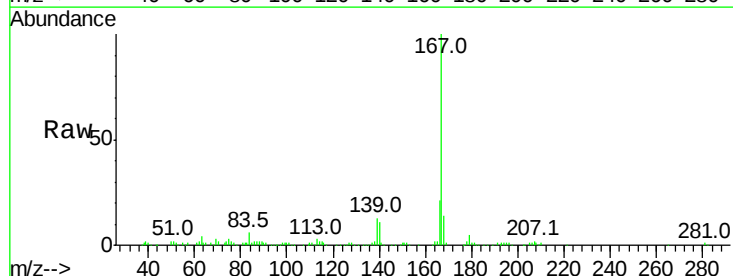
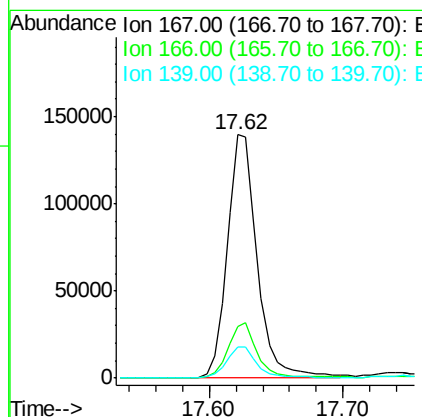
RT: 17.62 min Scan# 2471

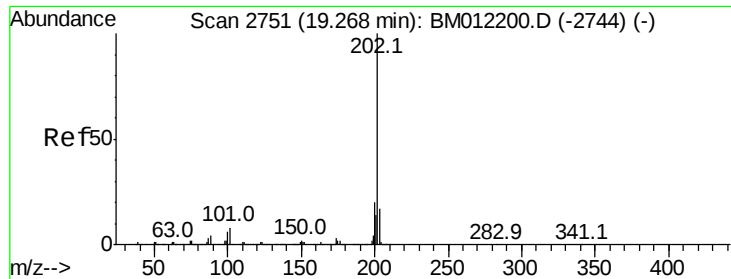
Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Tgt Ion:	167	Resp:	217416
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.1	25.7
139	12.9	10.0	15.0





#74

Fluoranthene

Concen: 28.692 ng/ul

RT: 19.27 min Scan# 2752

Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Instrument :

BNA_M

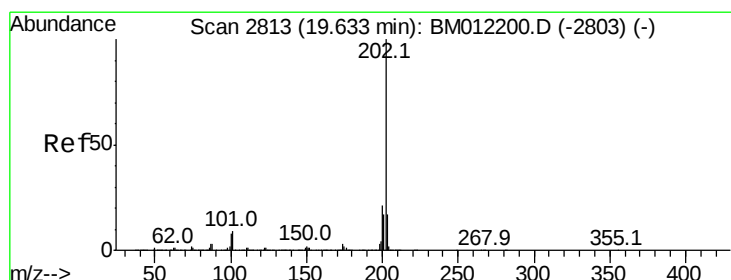
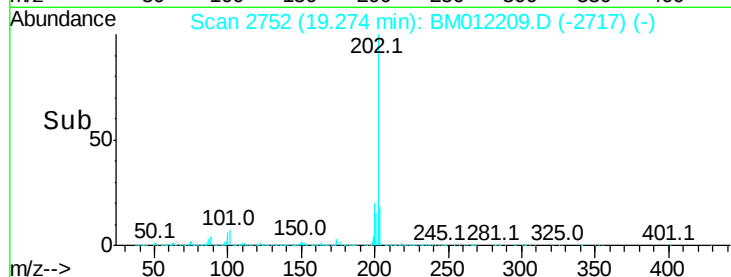
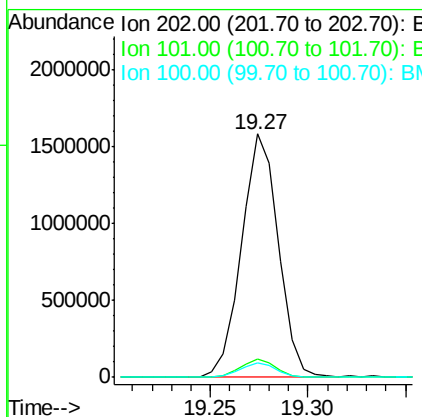
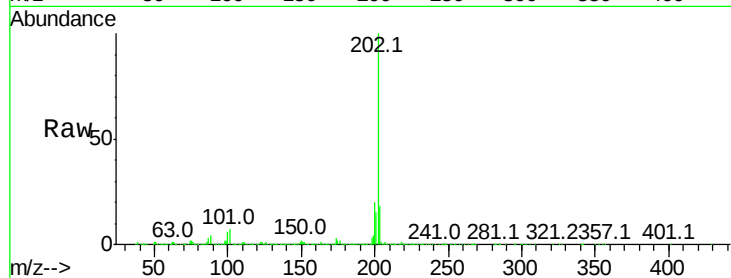
ClientSampleId :

B-53(1-3)-092817DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.3	4.6	7.0#
100	6.1	3.4	5.2#

Manual Integrations
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#77

Pyrene

Concen: 31.636 ng/ul

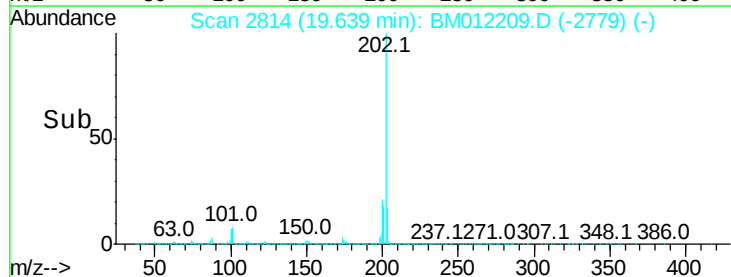
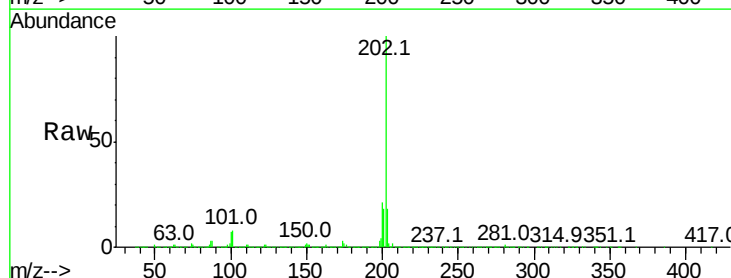
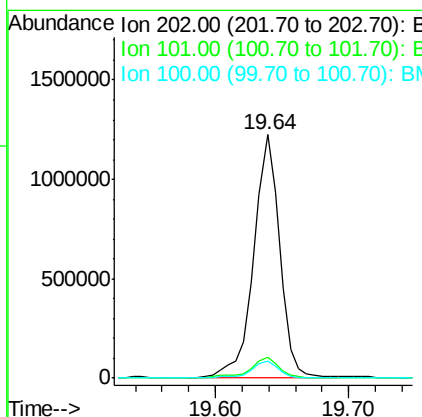
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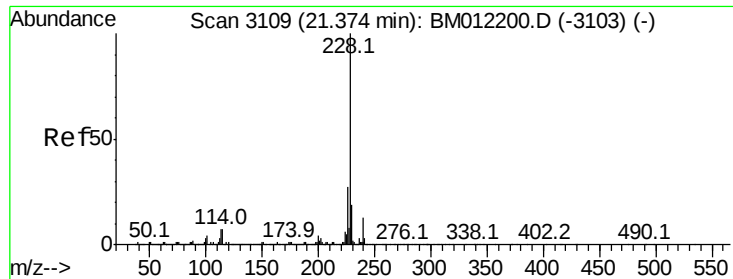
Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	5.1	7.7#
100	6.8	4.9	7.3





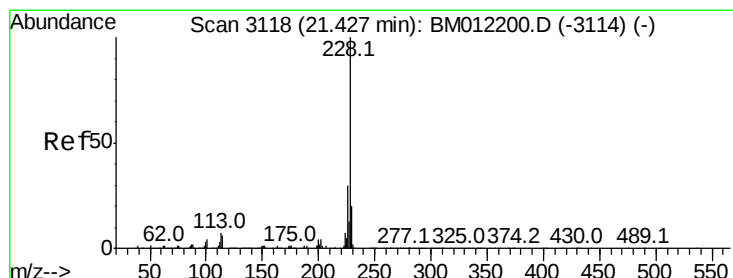
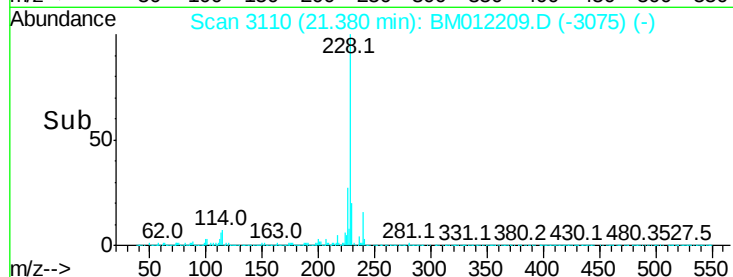
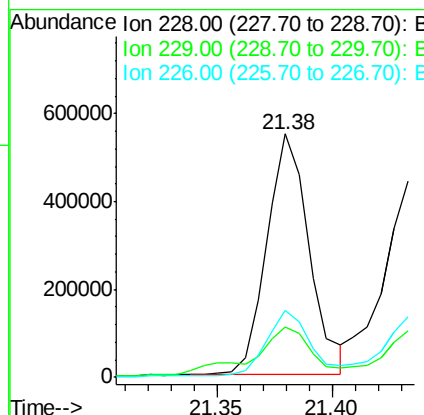
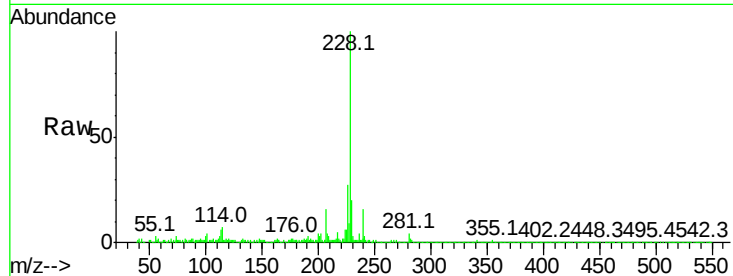
#80
Benzo(a)anthracene
Concen: 13.774 ng/ul
RT: 21.38 min Scan# 3110
Delta R.T. 0.01 min
Lab File: BM012209.D
Acq: 15 Oct 2017 15:14

Instrument :
BNA_M
ClientSampleId :
B-53(1-3)-092817DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.4	23.0
226	27.4	21.4	32.0

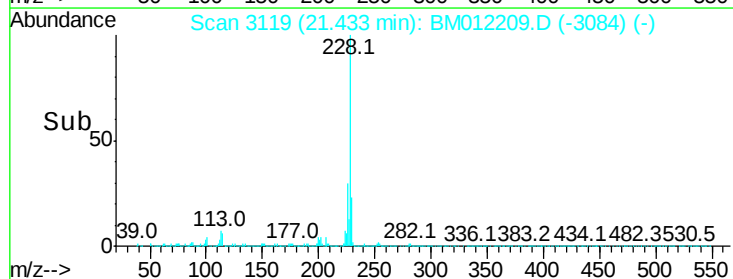
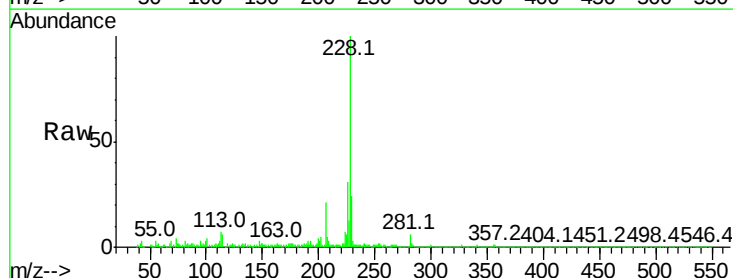
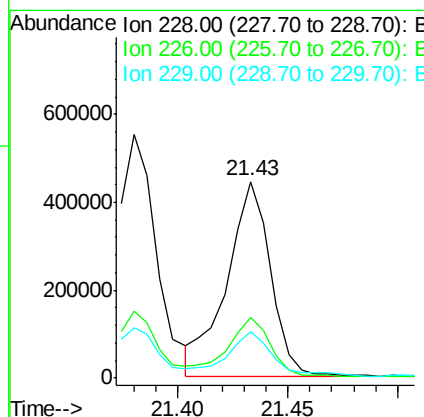
Manual Integrations
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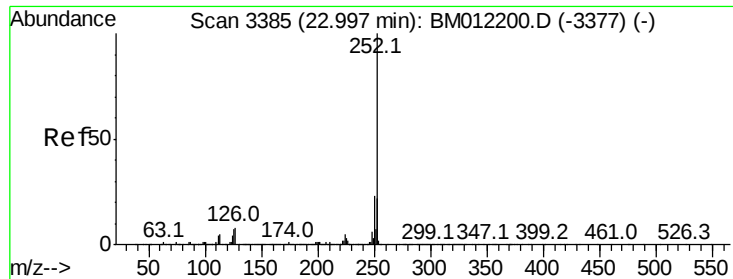
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#82
Chrysene
Concen: 12.960 ng/ul m
RT: 21.43 min Scan# 3119
Delta R.T. 0.01 min
Lab File: BM012209.D
Acq: 15 Oct 2017 15:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.2
229	23.8	15.5	23.3#





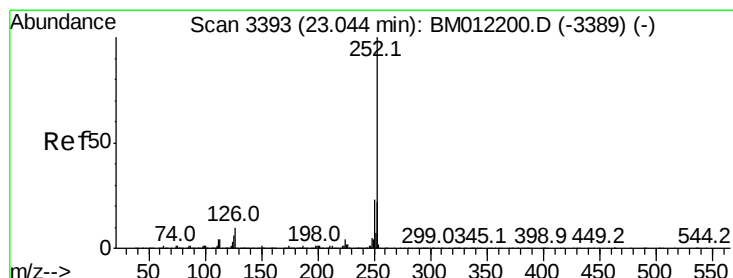
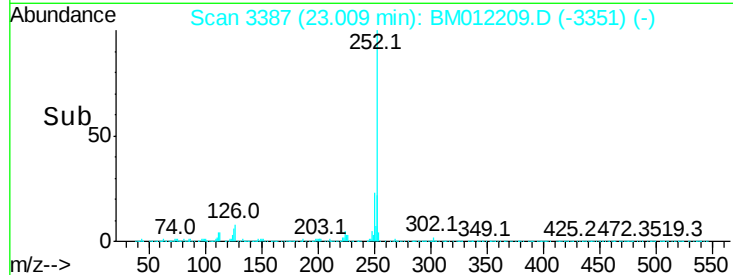
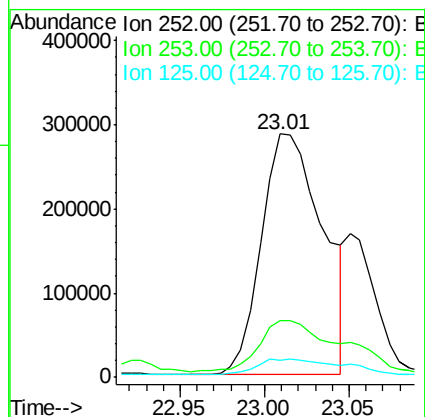
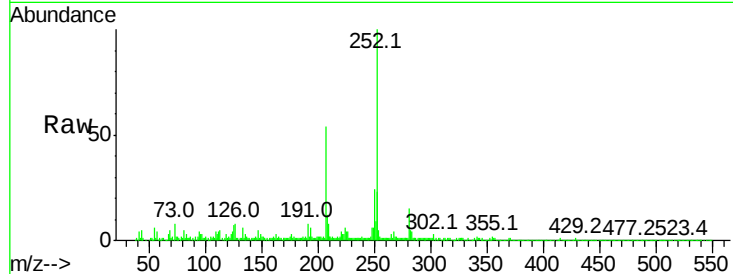
#85
Benzo(b)fluoranthene
Concen: 14.536 ng/ul
RT: 23.01 min Scan# 3387
Delta R.T. 0.01 min
Lab File: BM012209.D
Acq: 15 Oct 2017 15:14

Instrument :
BNA_M
ClientSampleId :
B-53(1-3)-092817DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	7.2	3.6	5.4#

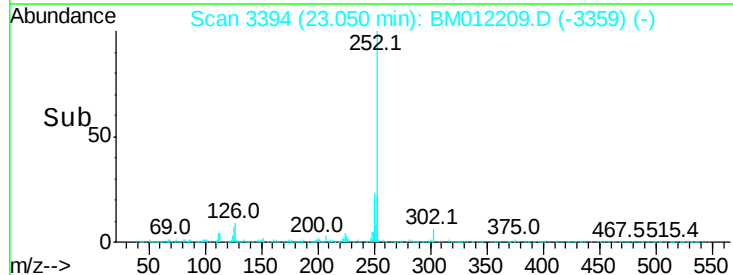
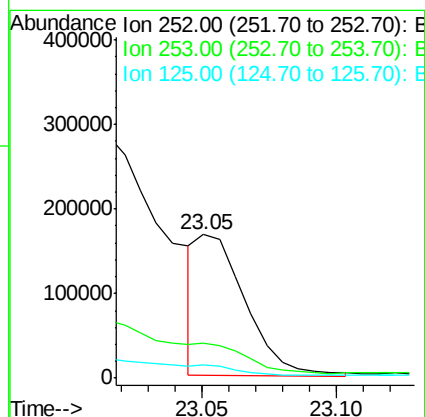
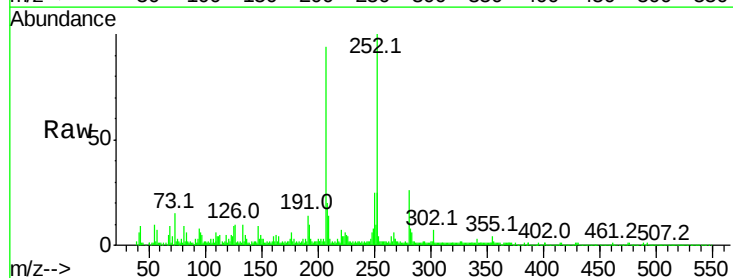
Manual Integrations
APPROVED

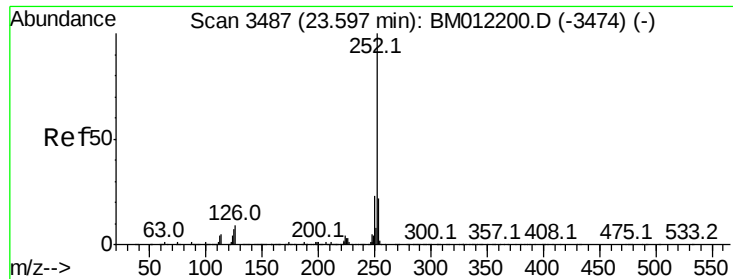
Sohil
10/16/2017 7:49:05 PM



#86
Benzo(k)fluoranthene
Concen: 4.342 ng/ul m
RT: 23.05 min Scan# 3394
Delta R.T. 0.01 min
Lab File: BM012209.D
Acq: 15 Oct 2017 15:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	8.9	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 10.901 ng/ul

RT: 23.61 min Scan# 3489

Delta R.T. 0.01 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Instrument :

BNA_M

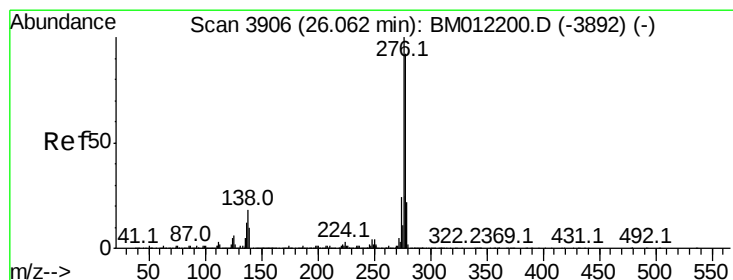
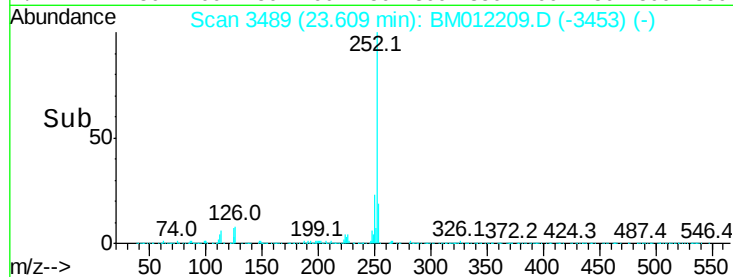
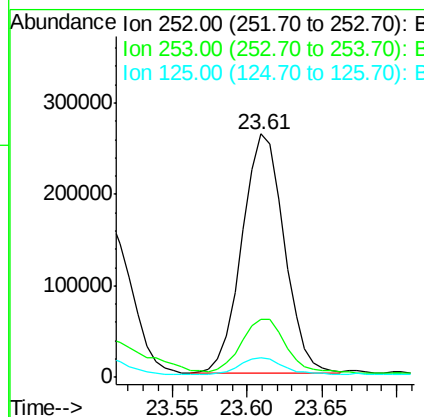
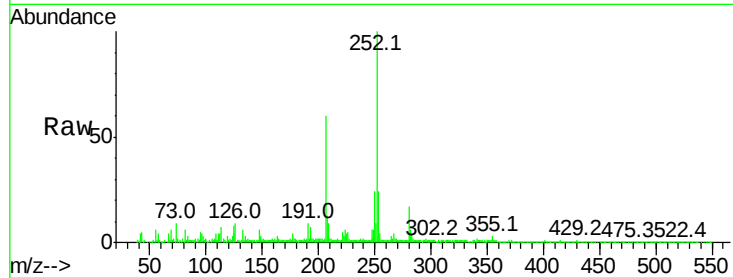
ClientSampleId :

B-53(1-3)-092817DL

Tot Ion:	252	Resp:	511950
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.2	27.2
125	8.1	4.0	6.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 6.042 ng/ul

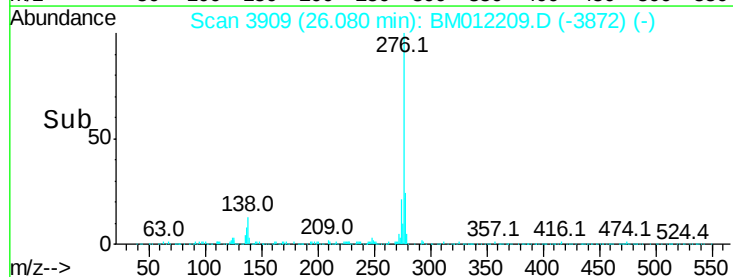
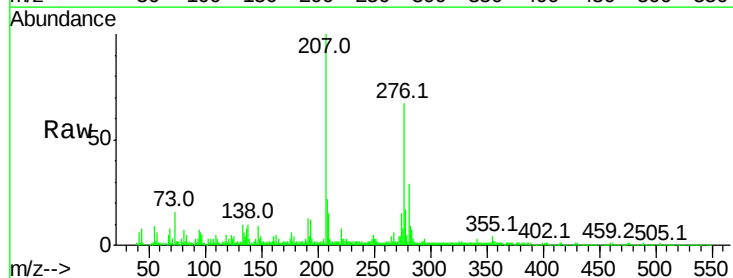
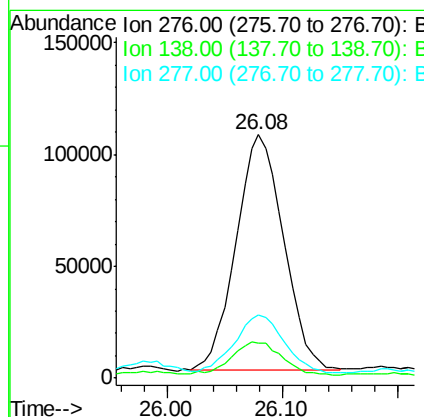
RT: 26.08 min Scan# 3909

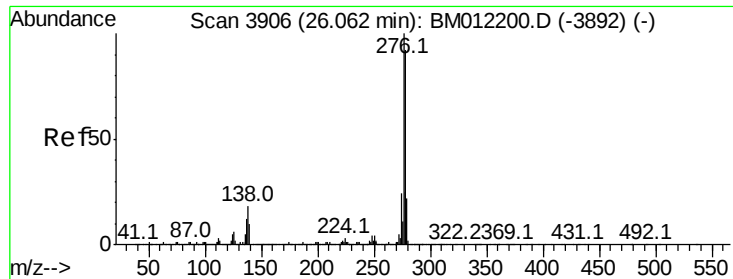
Delta R.T. 0.02 min

Lab File: BM012209.D

Acq: 15 Oct 2017 15:14

Tgt Ion:	276	Resp:	301328
Ion Ratio	Lower	Upper	
276	100		
138	14.4	9.3	13.9#
277	25.9	19.9	29.9





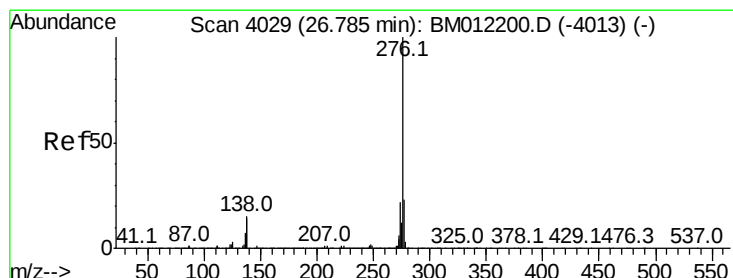
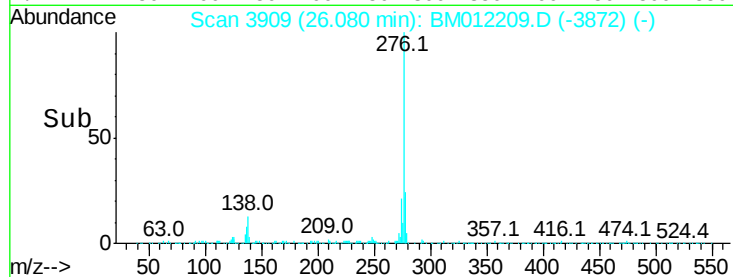
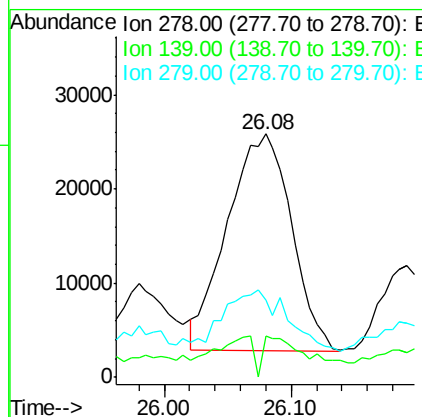
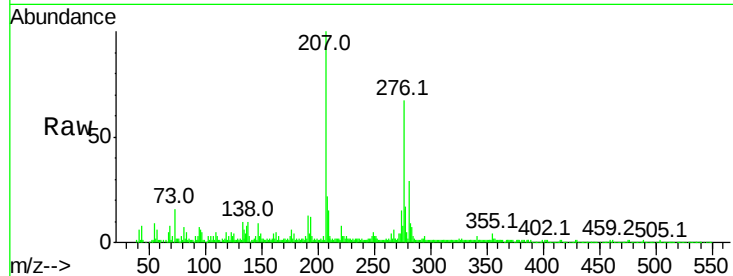
#90
Dibenzo(a,h)anthracene
Concen: 1.924 ng/ul
RT: 26.08 min Scan# 3909
Delta R.T. 0.02 min
Lab File: BM012209.D
Acq: 15 Oct 2017 15:14

Instrument :
BNA_M
ClientSampleId :
B-53(1-3)-092817DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.1	5.8	8.8#
279	32.0	18.6	27.8#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.630 ng/ul
RT: 26.81 min Scan# 4034
Delta R.T. 0.03 min
Lab File: BM012209.D
Acq: 15 Oct 2017 15:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.5	8.5	12.7#
277	25.2	18.6	28.0

