

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012132.D
 Acq On : 13 Oct 2017 12:06
 Operator : SJ/JU
 Sample : I5568-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-29(1-3)-092917

Manual Integrations
 APPROVED

Sohil
 6/22/2018 4:49:07 PM

Quant Time: Oct 24 05:28:04 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 14 00:15:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	166724	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	733131	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	456400	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.25	188	1110842	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1480761	20.00	ng/ul	0.00
83) Perylene-d12	23.78	264	1249302	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	11842	3.38	ng/uL	0.00
5) Phenol-d5	7.02	99	281782	20.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	168227	20.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.38	132	247106	21.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	248584	21.34	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	128534	22.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	148682	22.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.28	165	271424	21.75	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	256619	21.97	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	888912	22.04	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	1116360	22.86	ng/ul	0.00
51) 4-Nitrophenol-d4	14.73	143	109973	18.13	ng/ul	0.00
57) Fluorene-d10	15.49	176	779221	23.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	67050	8.79	ng/ul	0.00
70) Anthracene-d10	17.35	188	1267673	23.08	ng/ul	0.00
76) Pyrene-d10	19.64	212	1568146	20.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.63	264	1338285	22.22	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.05	94	33801	2.42	ng/ul	89
28) Naphthalene	10.70	128	57558	1.52	ng/ul	99
34) 2-Methylnaphthalene	12.32	142	30450	1.06	ng/ul	97
49) Acenaphthene	14.56	153	178953	5.54	ng/ul	97
53) Dibenzofuran	14.90	168	119869	2.58	ng/ul	100
58) Fluorene	15.55	166	179180	4.64	ng/ul	98
69) Phenanthrene	17.29	178	2917531	46.17	ng/ul	99
71) Anthracene	17.39	178	747123	11.42	ng/ul	98
72) Carbazole	17.66	167	191280	3.45	ng/ul	98
73) Di-n-butylphthalate	18.20	149	275424	3.58	ng/ul	97
74) Fluoranthene	19.32	202	8735662	114.55	ng/ul#	92
77) Pyrene	19.68	202	7576943	77.48	ng/ul#	91
80) Benzo(a)anthracene	21.42	228	6576003	68.25	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.32	149	158897	2.43	ng/ul#	93
82) Chrysene	21.47	228	5479195	60.57	ng/ul	96
85) Benzo(b)fluoranthene	23.07	252	7516622	92.20	ng/ul#	97
86) Benzo(k)fluoranthene	23.12	252	2136925m	27.20	ng/ul	
88) Benzo(a)pyrene	23.68	252	4704742	61.23	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.19	276	2428640	29.76	ng/ul#	96
90) Dibenz(a,h)anthracene	26.19	278	700914	10.22	ng/ul#	80
91) Benzo(a,h,i)perylene	26.93	276	2077725	31.09	ng/ul#	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

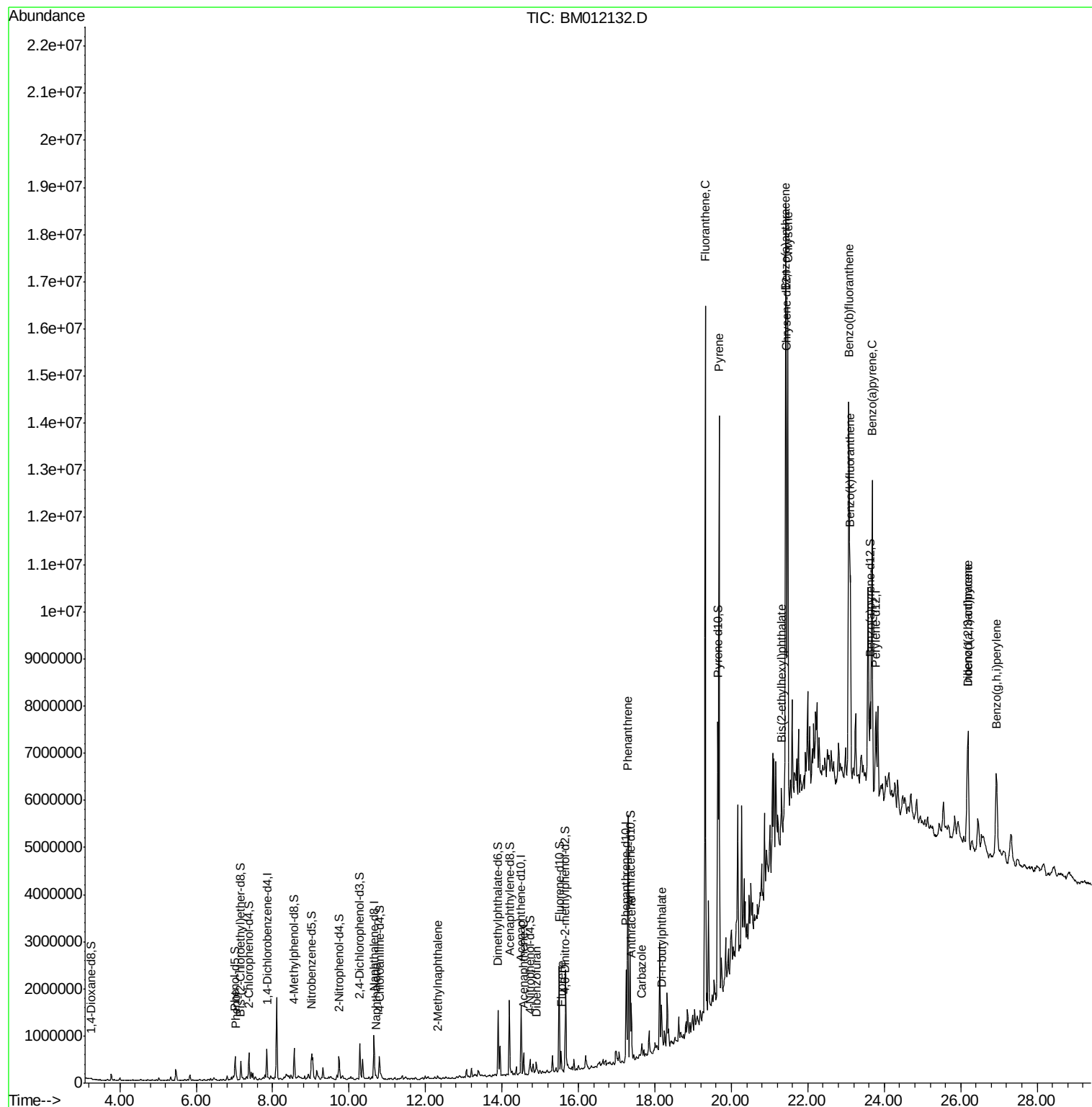
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
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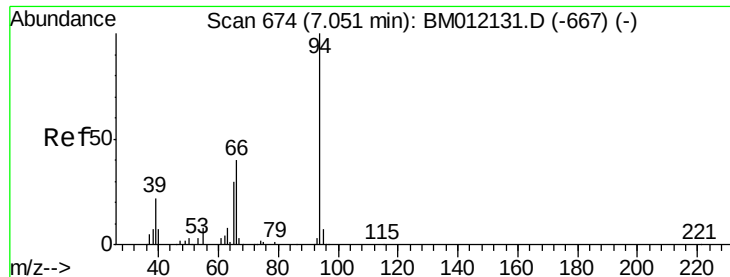
Instrument :
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#6

Phenol

Concen: 2.42 ng/ul

RT: 7.05 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM012132.D

Acq: 13 Oct 2017 12:06

Instrument :

BNA_M

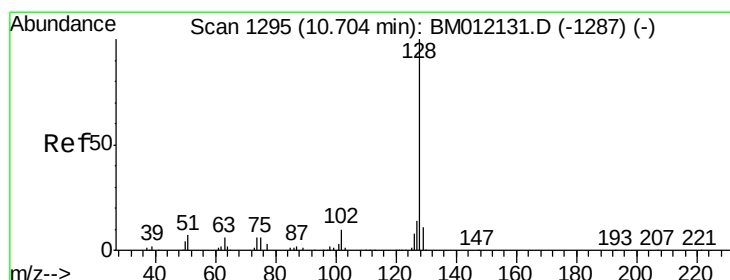
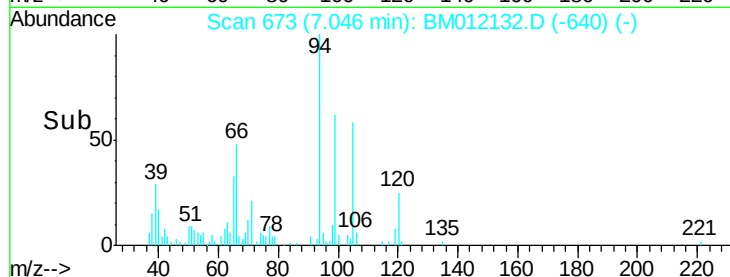
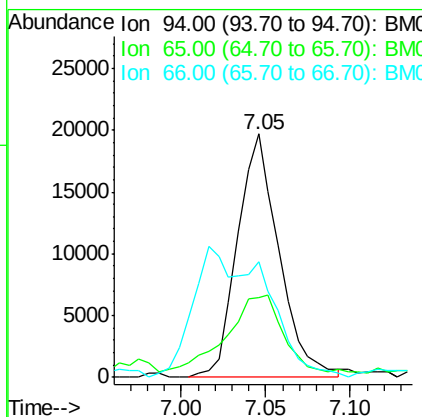
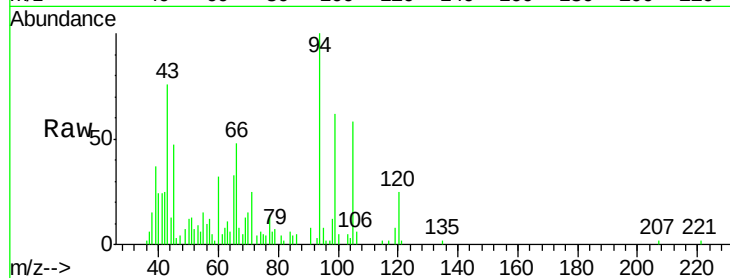
ClientSampled :

B-29(1-3)-092917

Tot Ion:	94	Resp:	33801
Ion Ratio	Lower	Upper	
94	100		
65	32.6	28.2	42.4
66	47.6	47.2	70.8

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#28

Naphthalene

Concen: 1.52 ng/ul

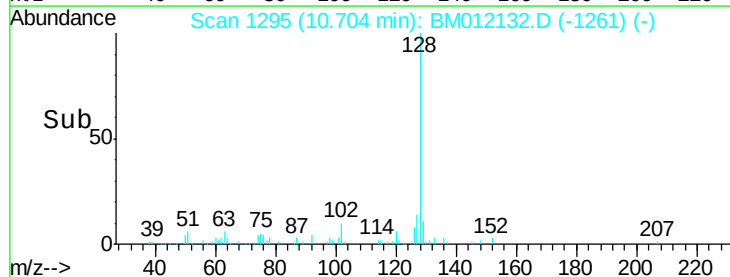
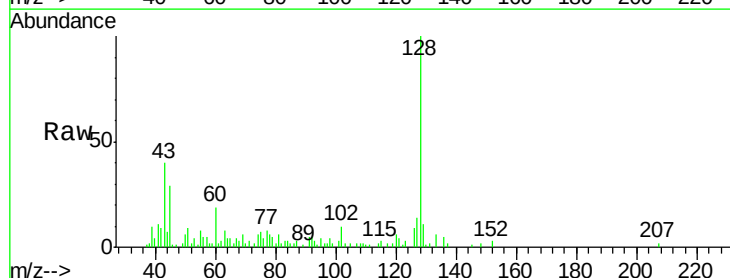
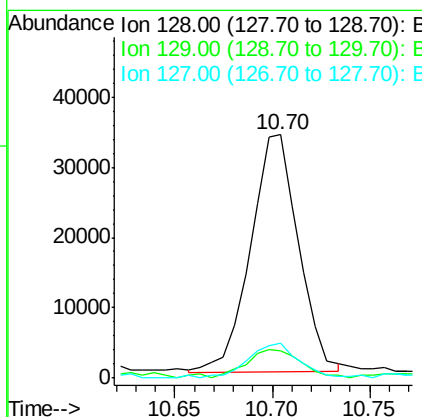
RT: 10.70 min Scan# 1295

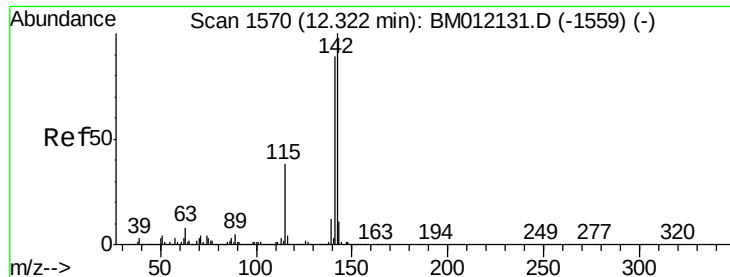
Delta R.T. 0.00 min

Lab File: BM012132.D

Acq: 13 Oct 2017 12:06

Tgt Ion:	128	Resp:	57558
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.8	13.2
127	14.2	10.6	16.0





#34

2-Methylnaphthalene

Concen: 1.06 ng/ul

RT: 12.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BM012132.D

Acq: 13 Oct 2017 12:06

Instrument :

BNA_M

ClientSampleId :

B-29(1-3)-092917

Tot Ion:142 Resp: 30450

Ion Ratio Lower Upper

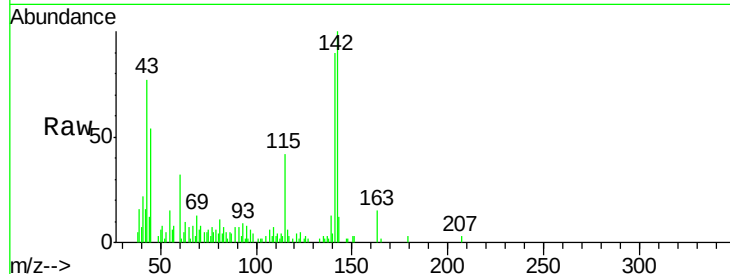
142 100

141 90.1 74.1 111.1

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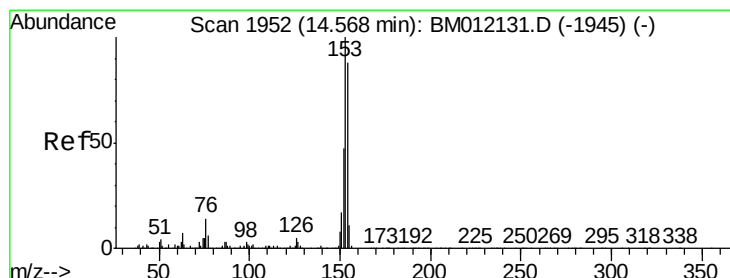
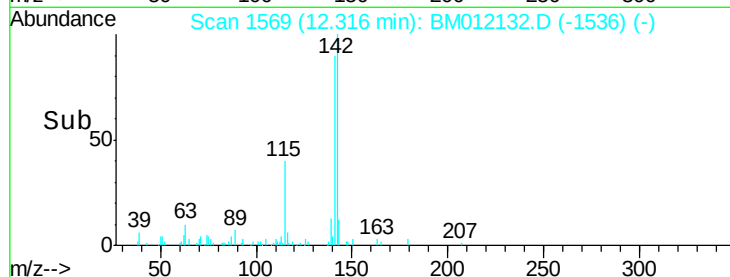
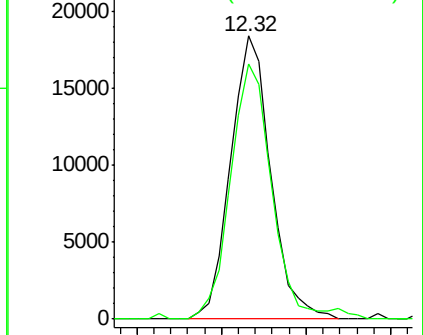
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#49

Acenaphthene

Concen: 5.54 ng/ul

RT: 14.56 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BM012132.D

Acq: 13 Oct 2017 12:06

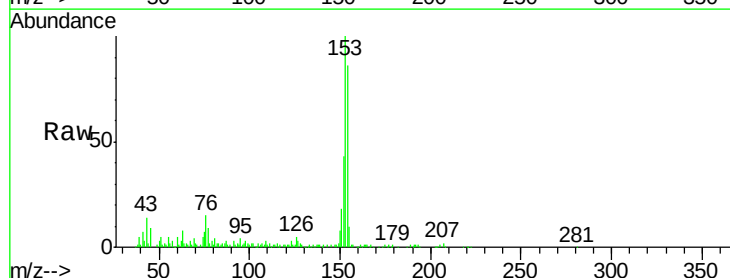
Tgt Ion:153 Resp: 178953

Ion Ratio Lower Upper

153 100

152 43.5 37.6 56.4

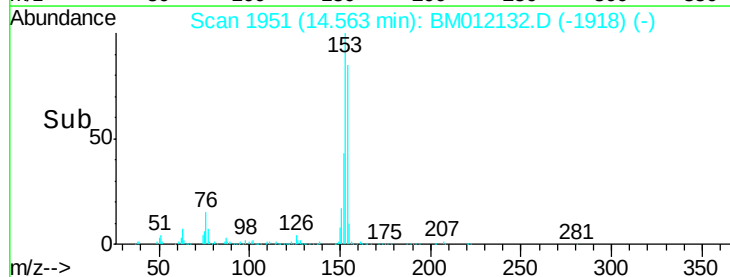
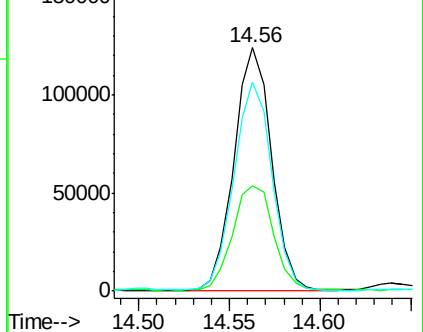
154 85.8 70.4 105.6

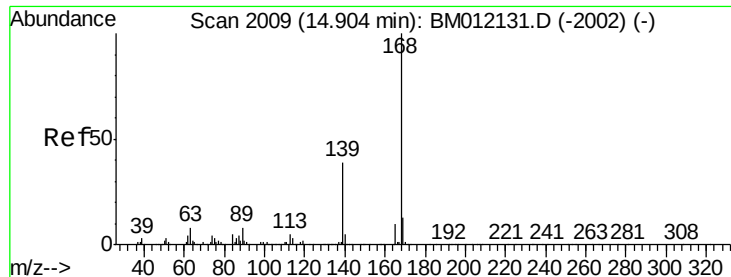


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





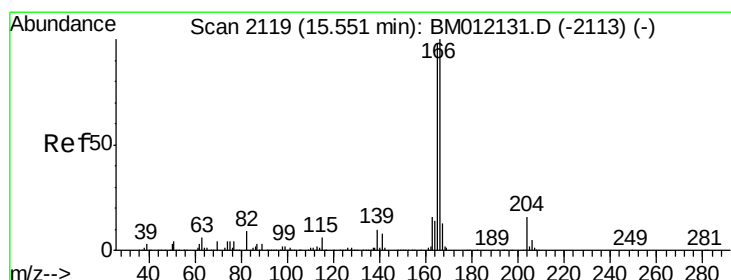
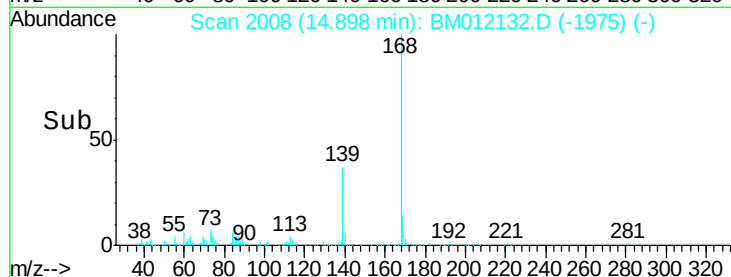
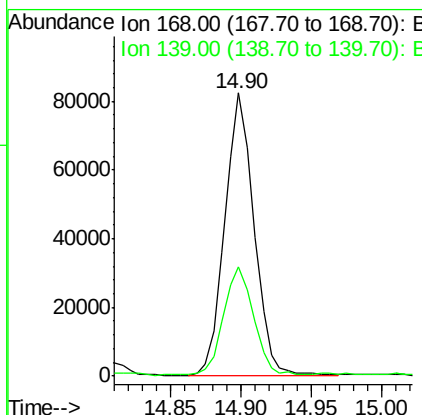
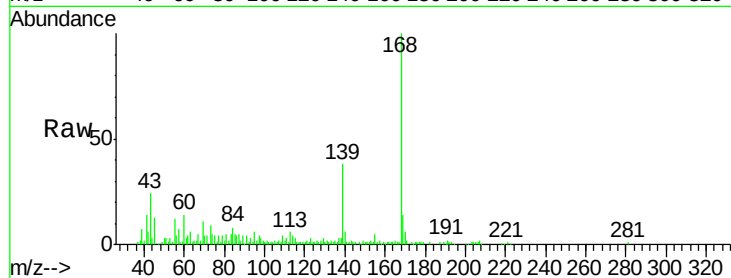
#53
Dibenzenofuran
Concen: 2.58 ng/ul
RT: 14.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BM012132.D
Acq: 13 Oct 2017 12:06

Instrument :
BNA_M
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
168	100		
139	38.4	30.8	46.2

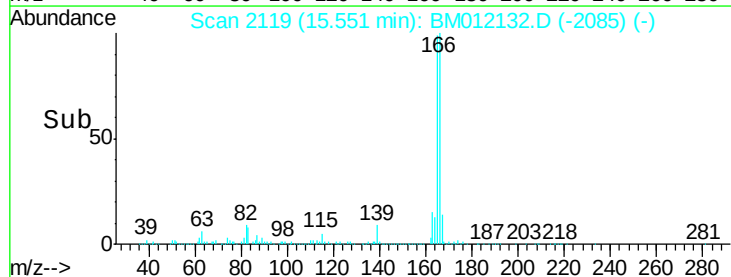
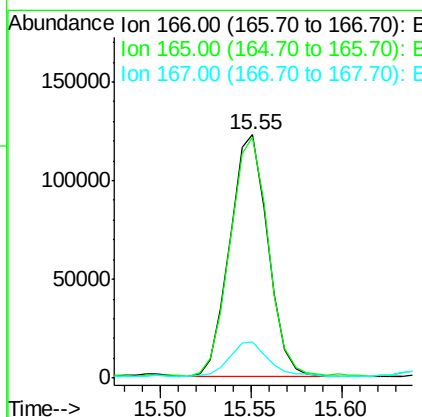
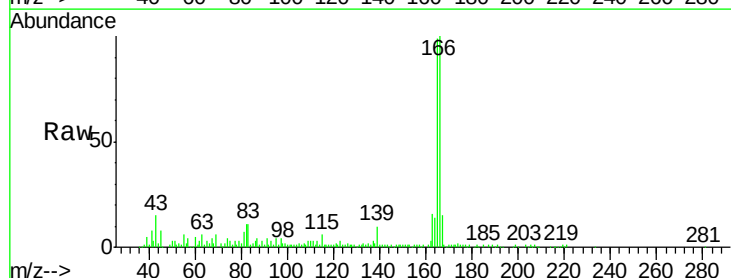
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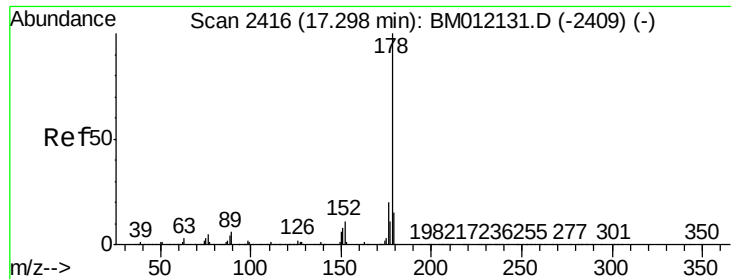
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#58
Fluorene
Concen: 4.64 ng/ul
RT: 15.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: BM012132.D
Acq: 13 Oct 2017 12:06

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	77.9	116.9
167	14.7	10.6	16.0





#69

Phenanthrene

Concen: 46.17 ng/ul

RT: 17.29 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BM012132.D

Acq: 13 Oct 2017 12:06

Instrument :

BNA_M

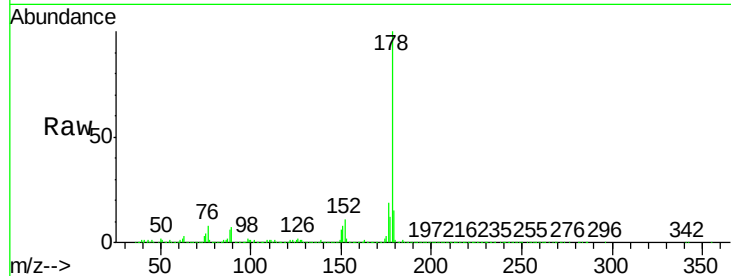
ClientSampleId :

B-29(1-3)-092917

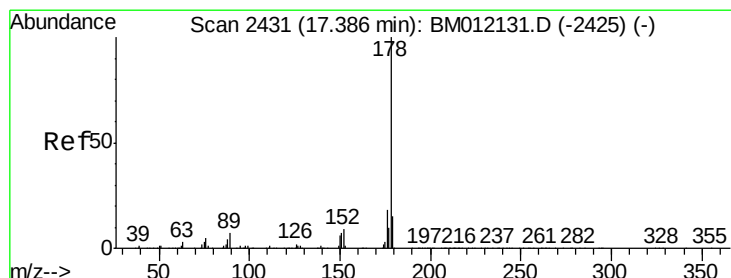
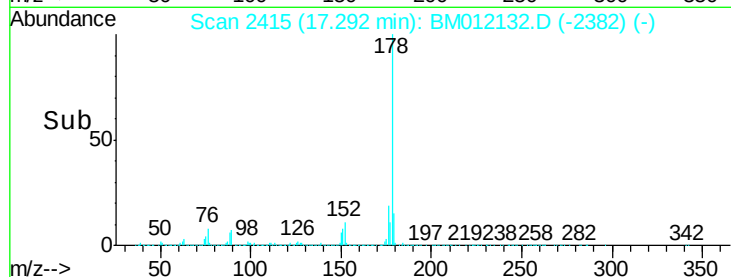
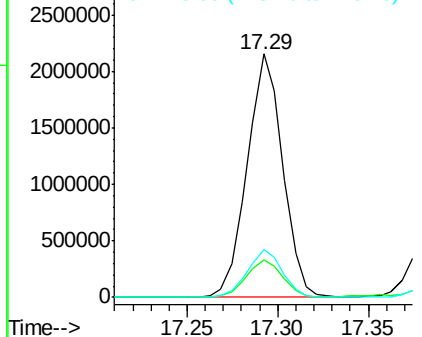
Tot	Ion:178	Resp: 2917531	
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	19.5	14.9	22.3

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 11.42 ng/ul

RT: 17.39 min Scan# 2431

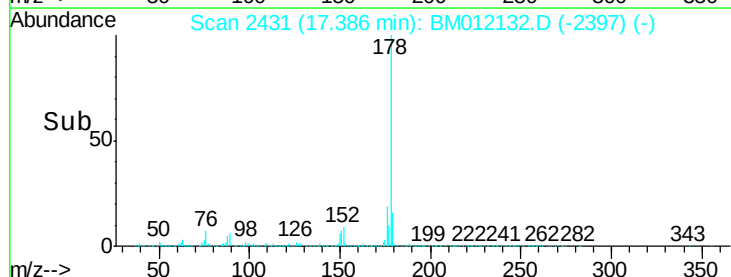
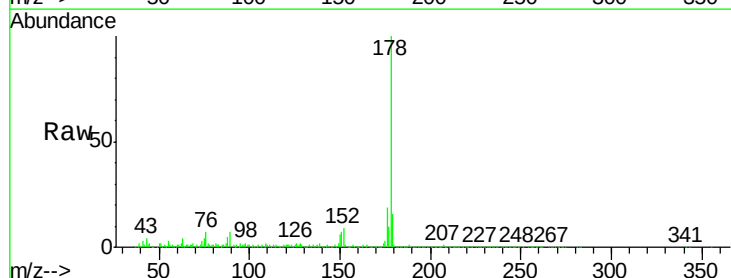
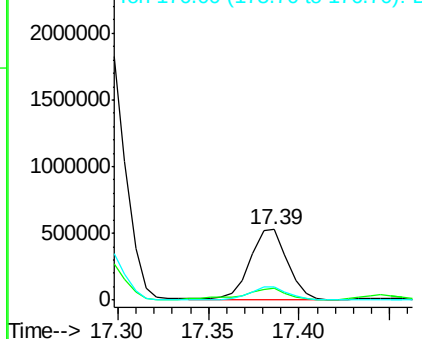
Delta R.T. 0.00 min

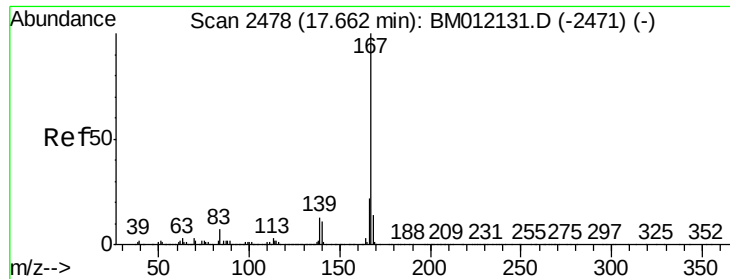
Lab File: BM012132.D

Acq: 13 Oct 2017 12:06

Tgt Ion	178	Resp: Lower	747123 Upper
178	100		
179	16.2	11.7	17.5
176	18.8	14.6	21.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 3.45 ng/ul

RT: 17.66 min Scan# 2477

Delta R.T. -0.01 min

Lab File: BM012132.D

Acq: 13 Oct 2017 12:06

Instrument :

BNA_M

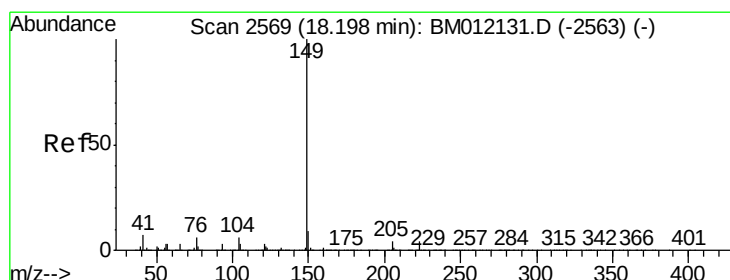
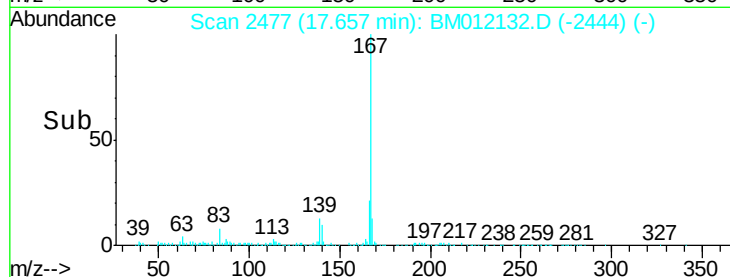
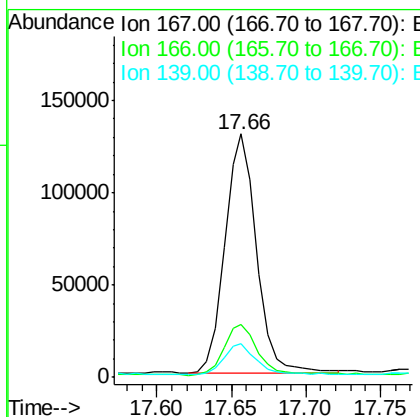
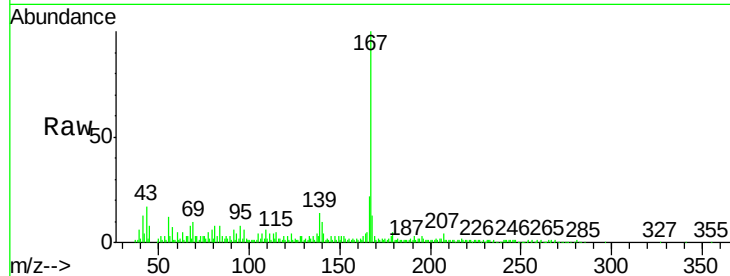
ClientSampleId :

B-29(1-3)-092917

Tot Ion:	167	Resp:	191280
Ion Ratio		Lower	Upper
167	100		
166	21.9	17.1	25.7
139	13.7	10.0	15.0

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 3.58 ng/ul

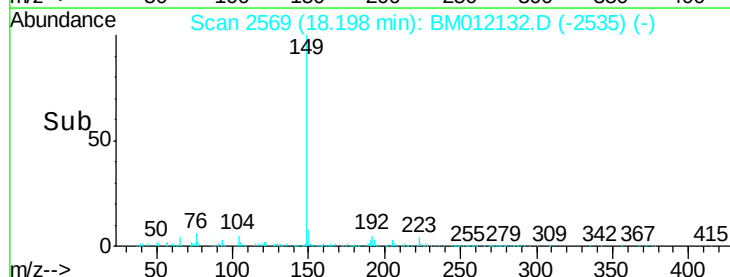
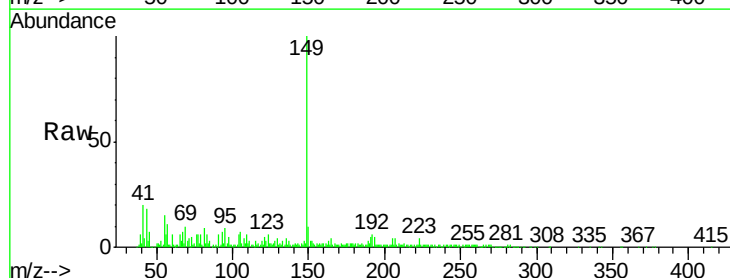
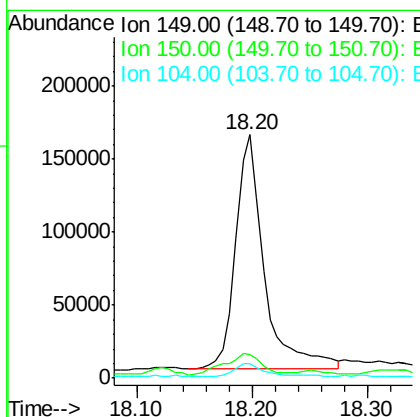
RT: 18.20 min Scan# 2569

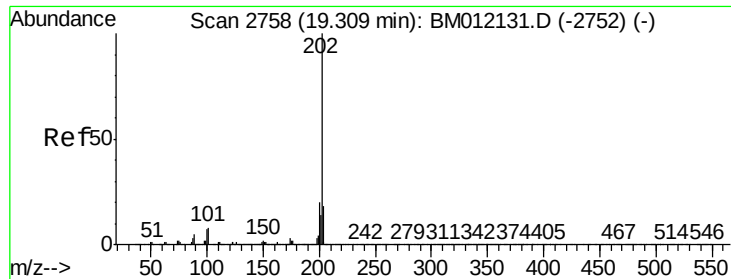
Delta R.T. 0.00 min

Lab File: BM012132.D

Acq: 13 Oct 2017 12:06

Tgt Ion:	149	Resp:	275424
Ion Ratio		Lower	Upper
149	100		
150	9.7	7.1	10.7
104	6.0	5.6	8.4





#74

Fluoranthene

Concen: 114.55 ng/ul

RT: 19.32 min Scan# 2759

Delta R.T. 0.01 min

Lab File: BM012132.D

Acq: 13 Oct 2017 12:06

Instrument :

BNA_M

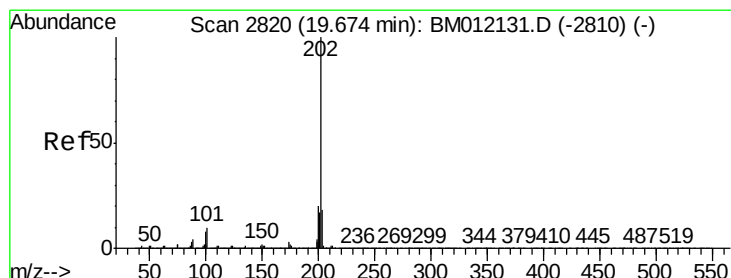
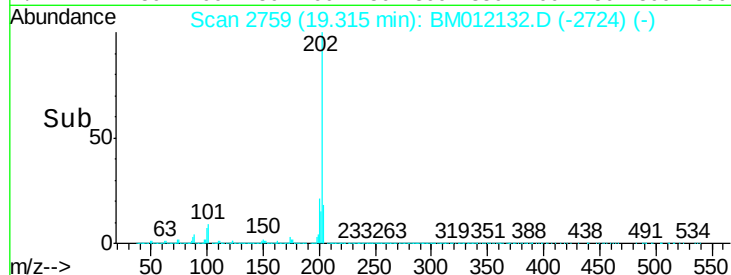
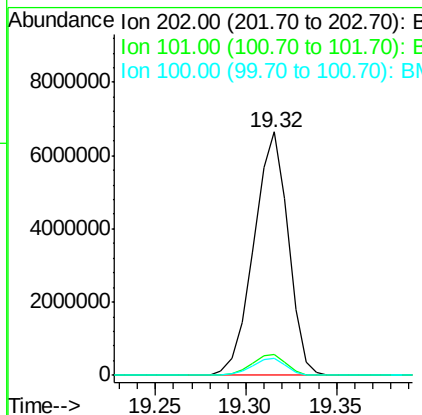
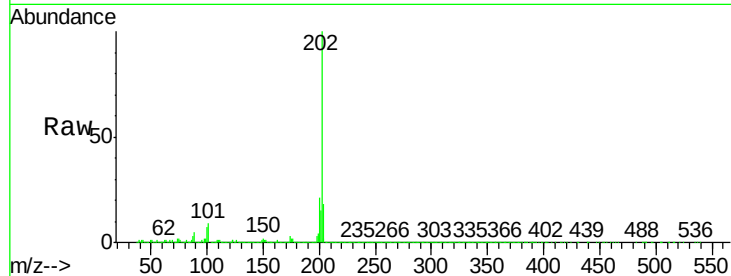
ClientSampleId :

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Tot Ion:	202	Resp:	8735662
Ion Ratio	Lower	Upper	
202	100		
101	8.8	4.6	7.0#
100	6.8	3.4	5.2#

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#77

Pyrene

Concen: 77.48 ng/ul

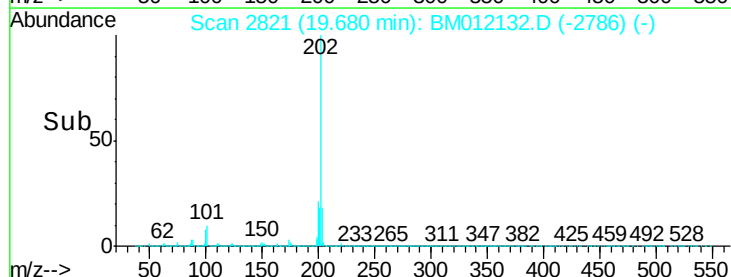
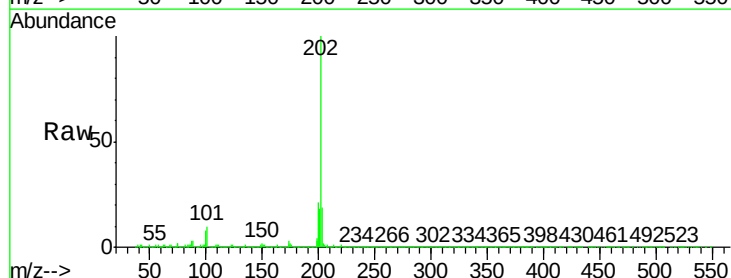
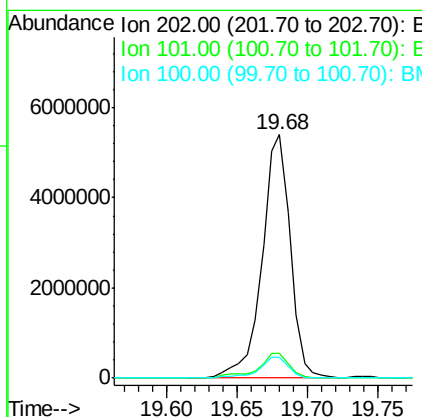
RT: 19.68 min Scan# 2821

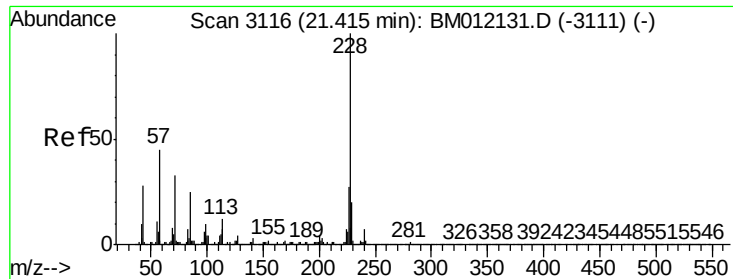
Delta R.T. 0.01 min

Lab File: BM012132.D

Acq: 13 Oct 2017 12:06

Tgt Ion:	202	Resp:	7576943
Ion Ratio	Lower	Upper	
202	100		
101	9.9	5.1	7.7#
100	8.4	4.9	7.3#





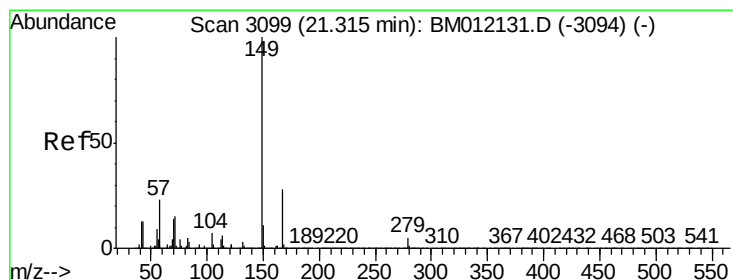
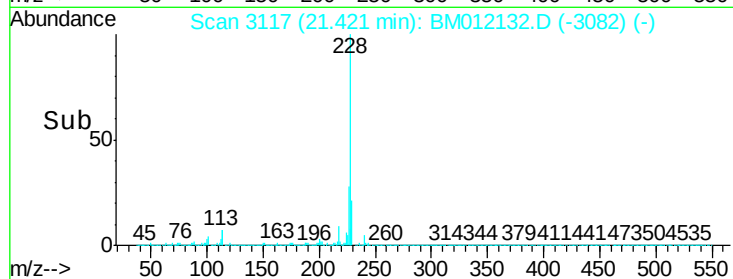
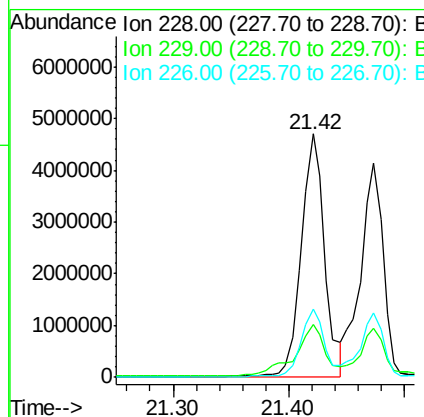
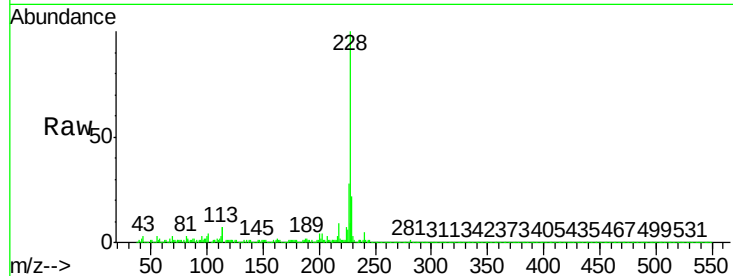
#80
Benzo(a)anthracene
Concen: 68.25 ng/ul
RT: 21.42 min Scan# 3117
Delta R.T. 0.01 min
Lab File: BM012132.D
Acq: 13 Oct 2017 12:06

Instrument :
BNA_M
ClientSampleId :
B-29(1-3)-092917

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.4	23.0
226	28.1	21.4	32.0

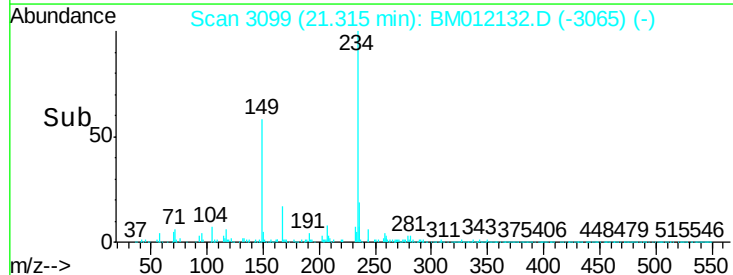
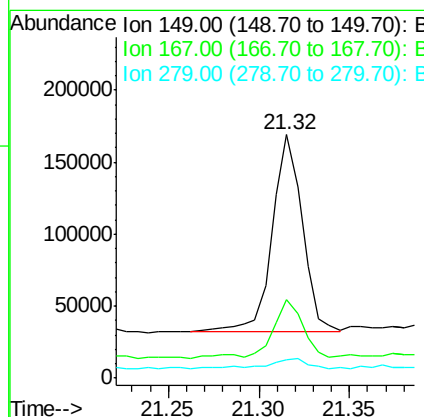
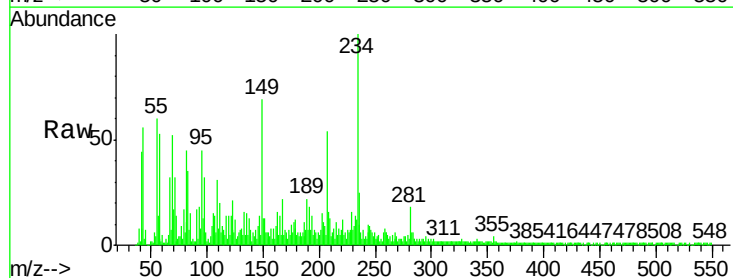
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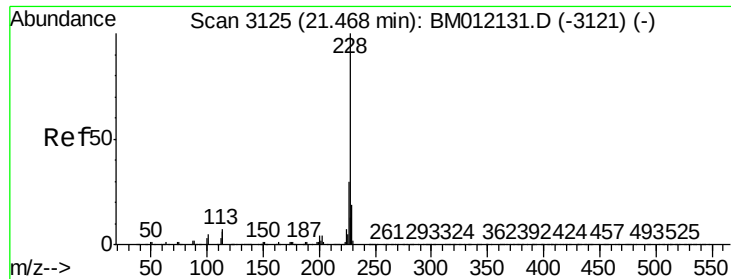
Sohil
6/22/2018 4:49:07 PM



#81
Bis(2-ethylhexyl)phthalate
Concen: 2.43 ng/ul
RT: 21.32 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BM012132.D
Acq: 13 Oct 2017 12:06

Tgt Ion	Ratio	Lower	Upper
149	100		
167	32.3	22.8	34.2
279	7.5	4.9	7.3#





#82

Chrysene

Concen: 60.57 ng/ul

RT: 21.47 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BM012132.D

Acq: 13 Oct 2017 12:06

Instrument :

BNA_M

ClientSampleId :

B-29(1-3)-092917

Tot Ion:228 Resp: 5479195

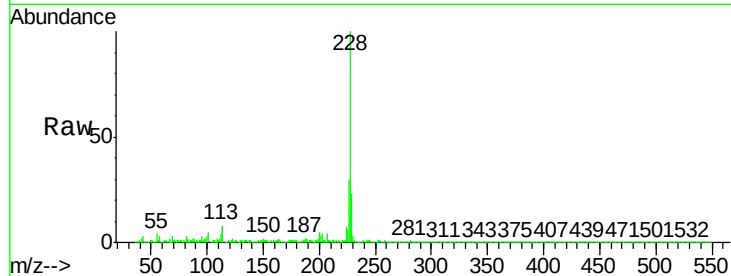
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	23.2	15.5	23.3

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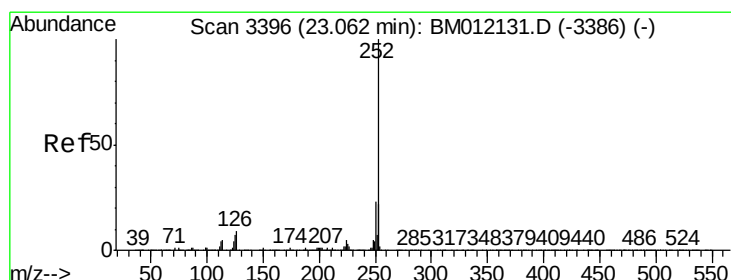
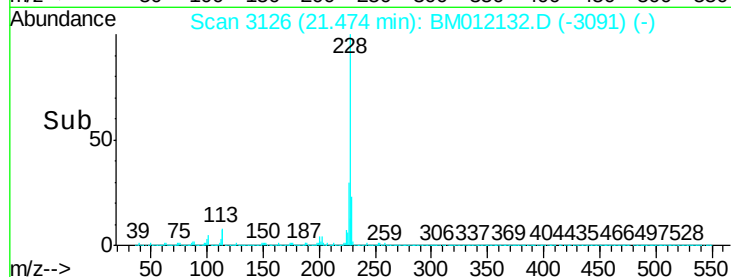
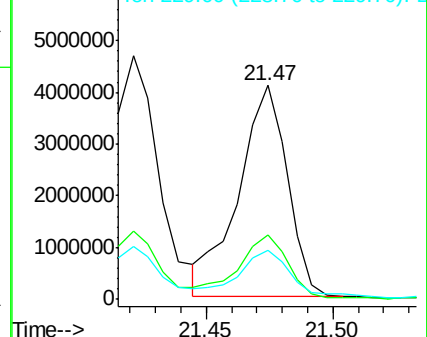


Abundance

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: 92.20 ng/ul

RT: 23.07 min Scan# 3398

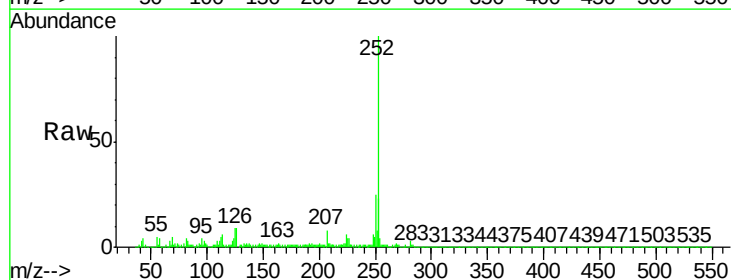
Delta R.T. 0.01 min

Lab File: BM012132.D

Acq: 13 Oct 2017 12:06

Tgt Ion:252 Resp: 7516622

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	8.7	3.6	5.4

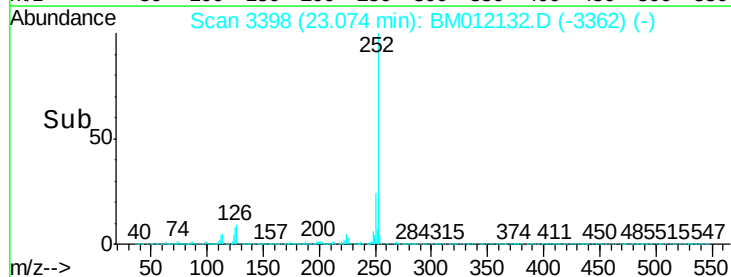
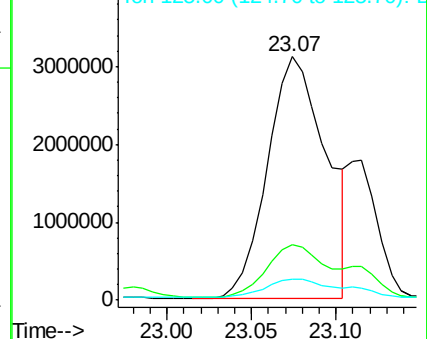


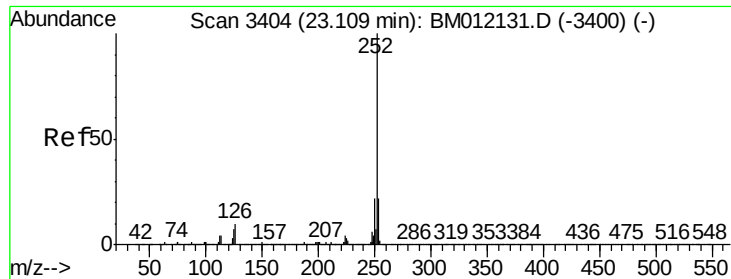
Abundance

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





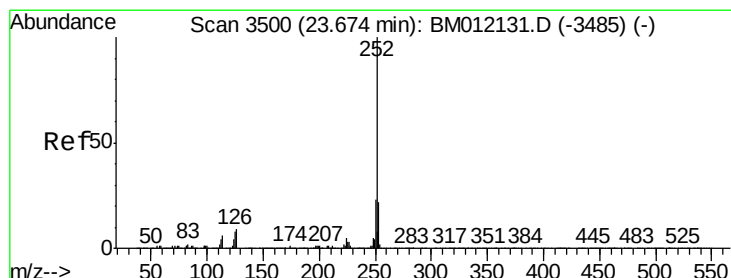
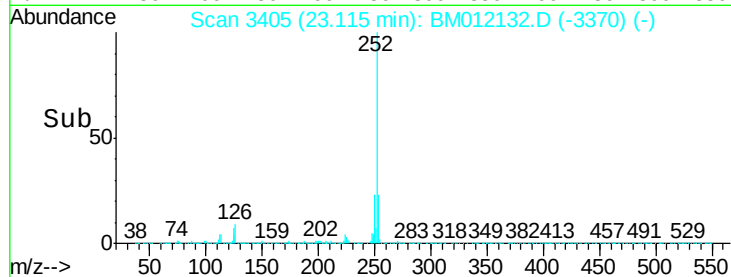
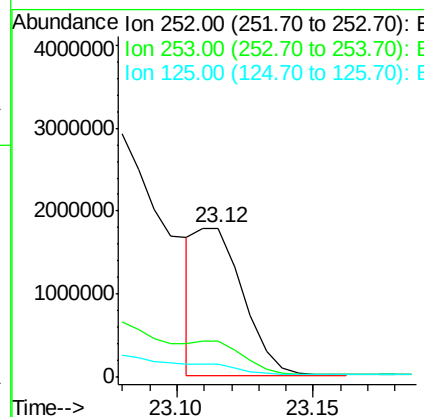
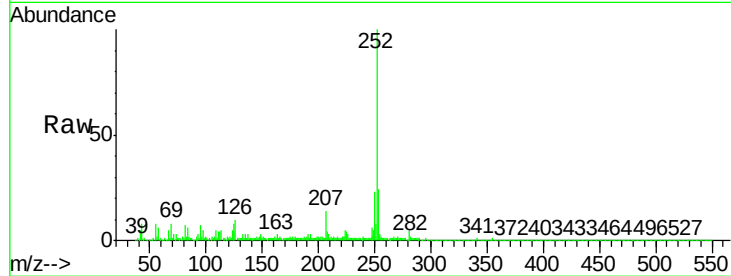
#86
Benzo(k)fluoranthene
Concen: 27.20 ng/ul m
RT: 23.12 min Scan# 3405
Delta R.T. 0.01 min
Lab File: BM012132.D
Acq: 13 Oct 2017 12:06

Instrument :
BNA_M
ClientSampleId :
B-29(1-3)-092917

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	8.5	3.4	5.2

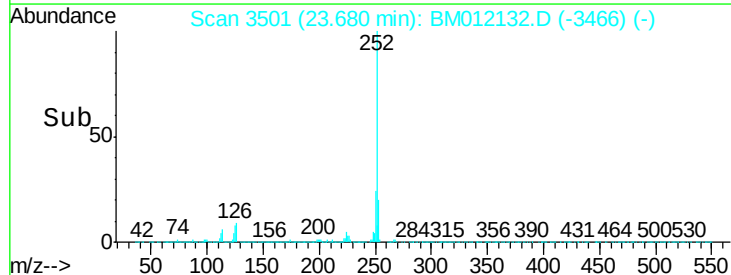
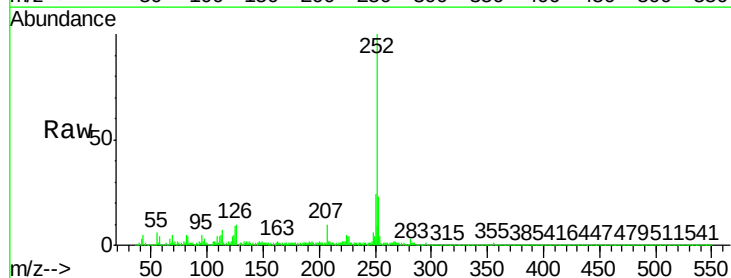
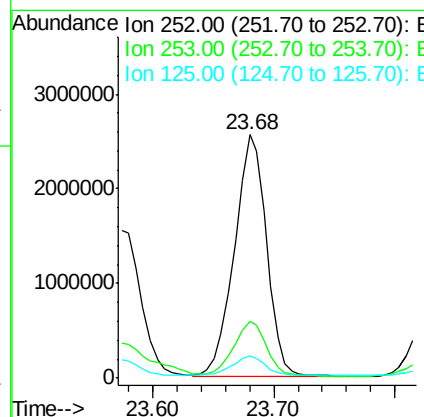
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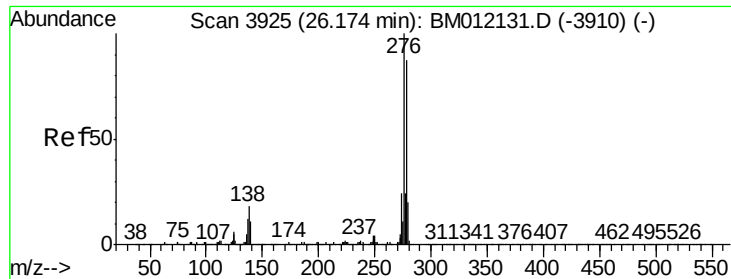
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#88
Benzo(a)pyrene
Concen: 61.23 ng/ul
RT: 23.68 min Scan# 3501
Delta R.T. 0.01 min
Lab File: BM012132.D
Acq: 13 Oct 2017 12:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	8.9	4.0	6.0





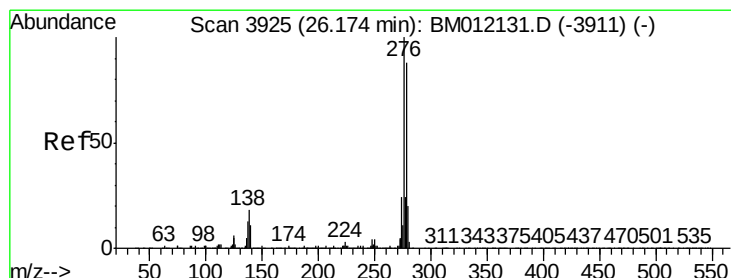
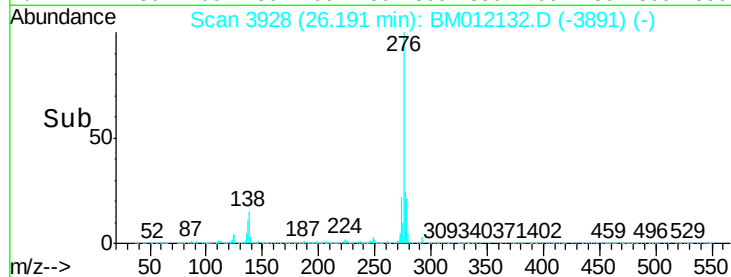
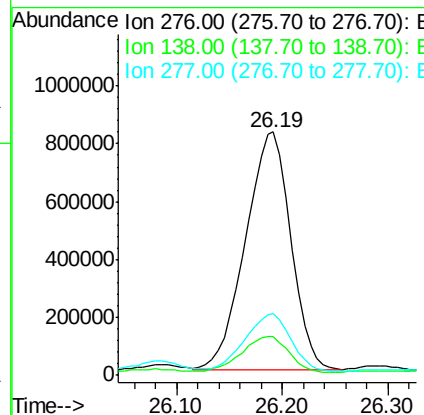
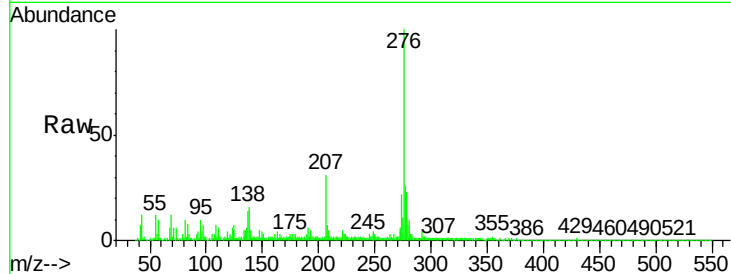
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 29.76 ng/ul
 RT: 26.19 min Scan# 3928
 Delta R.T. 0.02 min
 Lab File: BM012132.D
 Acq: 13 Oct 2017 12:06

Instrument :
 BNA_M
 ClientSampleId :
 B-29(1-3)-092917

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.9	9.3	13.9#
277	25.6	19.9	29.9

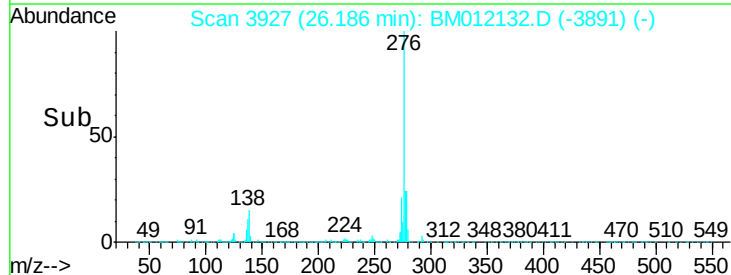
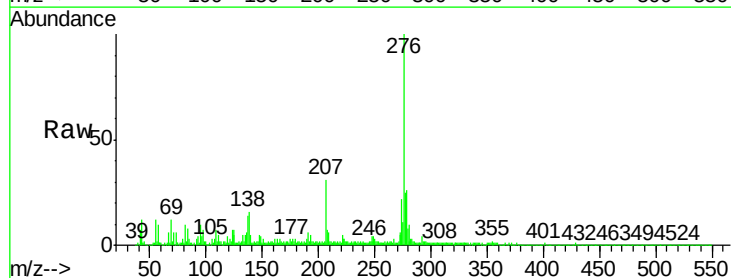
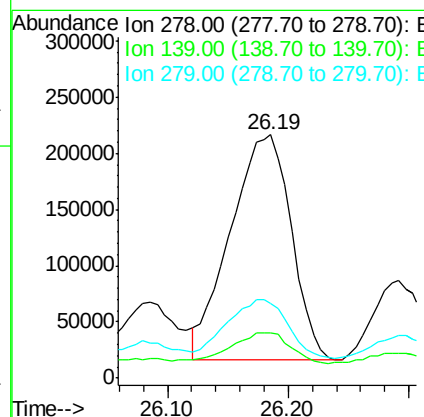
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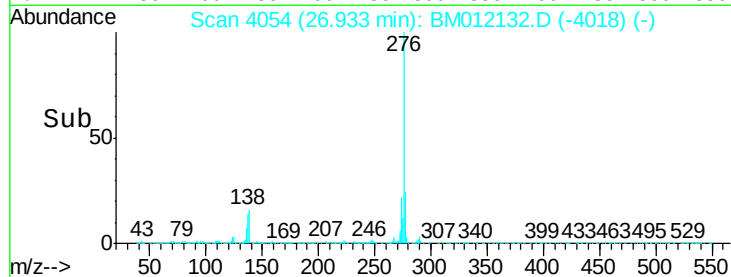
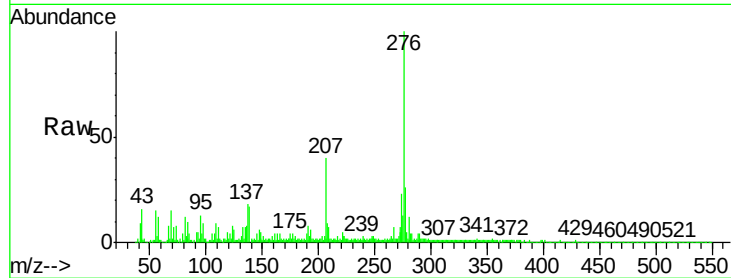
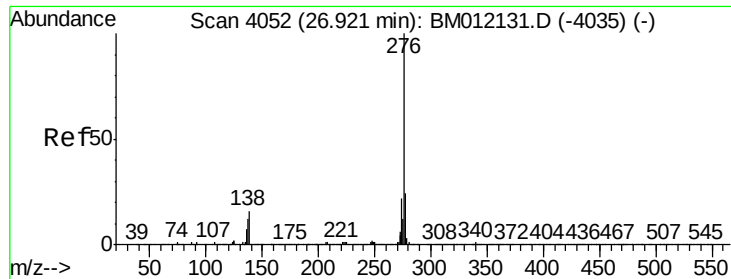
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#90
 Dibenzo(a,h)anthracene
 Concen: 10.22 ng/ul
 RT: 26.19 min Scan# 3927
 Delta R.T. 0.01 min
 Lab File: BM012132.D
 Acq: 13 Oct 2017 12:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.5	5.8	8.8#
279	30.9	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 31.09 ng/ul

RT: 26.93 min Scan# 4054

Delta R.T. 0.01 min

Lab File: BM012132.D

Acq: 13 Oct 2017 12:06

Tot Ion:	276	Resp:	2077725
Ion Ratio	Lower	Upper	
276	100		
138	17.1	8.5	12.7#
277	25.7	18.6	28.0

Instrument :

BNA_M

ClientSampleId :

B-29(1-3)-092917

Manual Integrations
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