

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121917\
 Data File : BM013516.D
 Acq On : 19 Dec 2017 17:04
 Operator : SJ/JU
 Sample : I6775-07MEDL 25X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A10MEDL

Manual Integrations
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Sohil
 12/20/2017 3:49:42 PM

Quant Time: Dec 20 05:45:56 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 20 03:10:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	156675	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	682701	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	402461	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	860175	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	731811	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	664029	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	216	0.07	ng/uL	0.02
5) Phenol-d5	6.86	99	9154m	0.68	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.02	67	5465	0.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	6809	0.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	7946m	0.69	ng/ul	0.02
19) Nitrobenzene-d5	8.84	128	3456	0.64	ng/ul	0.01
22) 2-Nitrophenol-d4	9.56	143	3861	0.67	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.10	165	7331m	0.61	ng/ul	0.03
29) 4-Chloroaniline-d4	10.62	131	8506m	0.78	ng/ul	0.02
43) Dimethylphthalate-d6	13.73	166	27261	0.76	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	33095	0.75	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.31	176	24162	0.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	482	0.09	ng/ul	0.02
70) Anthracene-d10	17.16	188	36499	0.85	ng/ul	0.00
76) Pyrene-d10	19.46	212	36536	1.00	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	24335	0.72	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.50	128	924033	26.308	ng/ul	100
34) 2-Methylnaphthalene	12.12	142	115223	4.364	ng/ul	87
40) 1,1'-Biphenyl	13.15	154	43869	1.290	ng/ul	96
49) Acenaphthene	14.38	153	235752	8.462	ng/ul	98
53) Dibenzofuran	14.72	168	217682	5.292	ng/ul	99
58) Fluorene	15.37	166	214205	6.295	ng/ul	98
68) Pentachlorophenol	16.73	266	20226	3.136	ng/ul#	87
69) Phenanthrene	17.10	178	1158994	23.717	ng/ul	99
71) Anthracene	17.20	178	106216	2.126	ng/ul	97
72) Carbazole	17.47	167	50597	1.178	ng/ul#	90
74) Fluoranthene	19.13	202	573487	9.576	ng/ul#	92
77) Pyrene	19.49	202	379455	8.535	ng/ul#	95
80) Benzo(a)anthracene	21.24	228	71282	1.535	ng/ul	96
82) Chrysene	21.29	228	66003m	1.532	ng/ul	

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

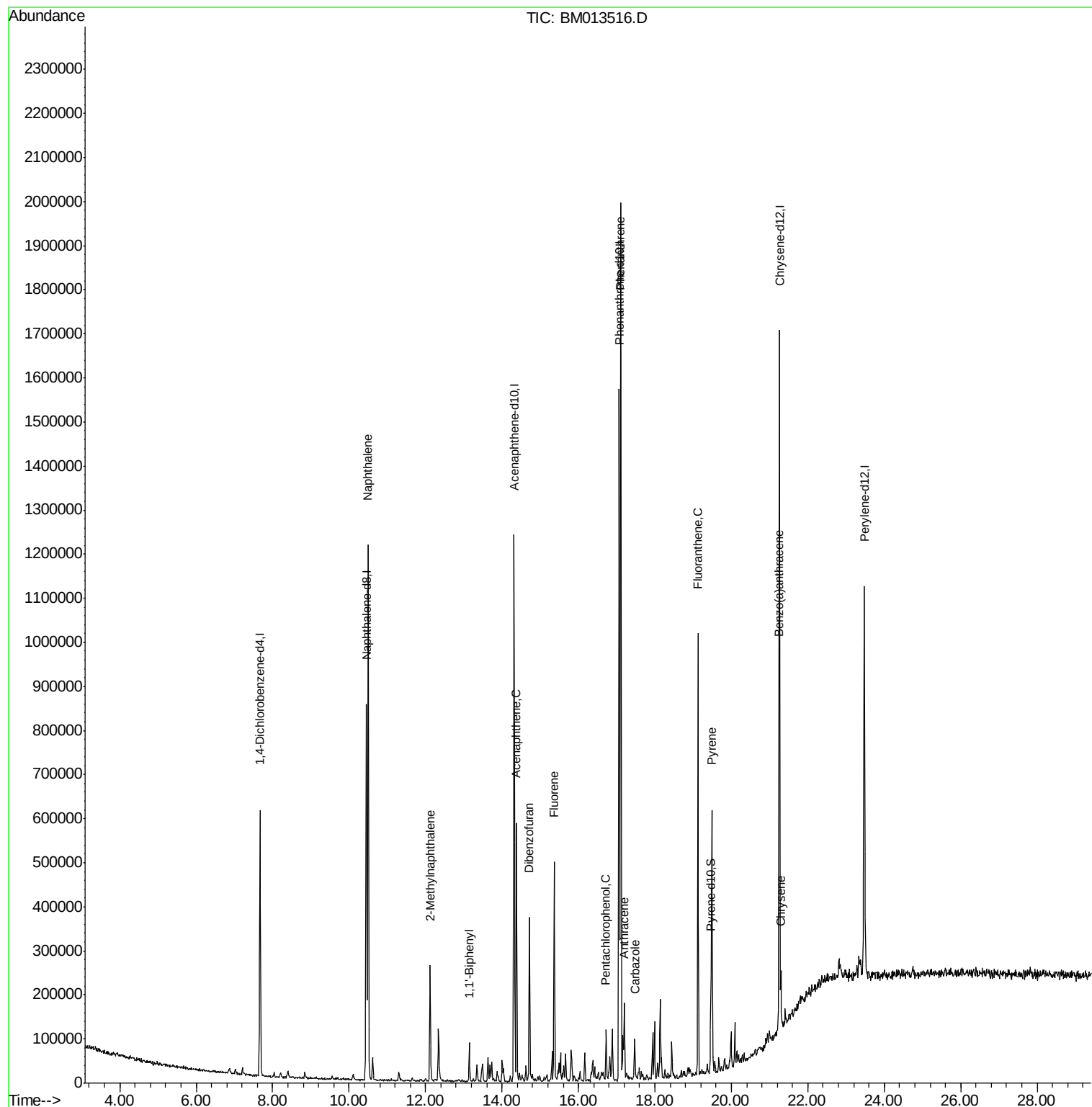
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013516.D
Acq On : 19 Dec 2017 17:04
Operator : SJ/JU
Sample : I6775-07MEDL 25X
Misc :
ALS Vial : 11 Sample Multiplier: 1

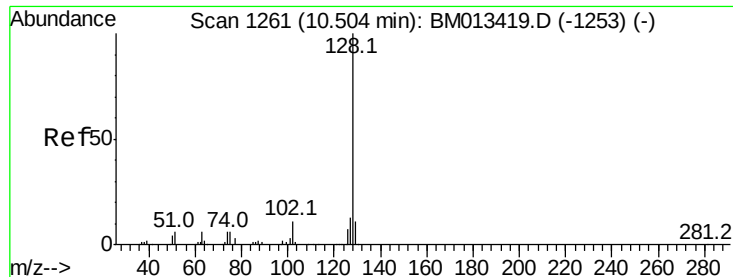
Instrument :
BNA_M
ClientSampleId :
F9A10MEDL

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Quant Time: Dec 20 05:45:56 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 20 03:10:37 2017
Response via : Initial Calibration





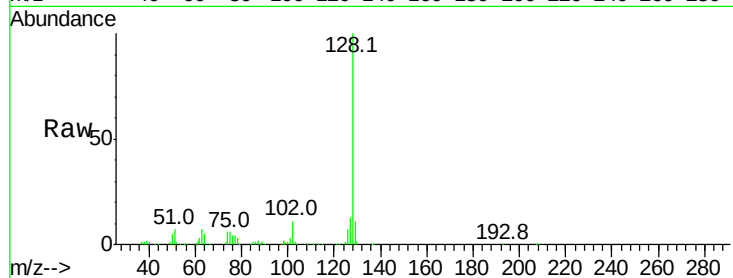
#28
Naphthalene
Concen: 26.308 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BM013516.D
Acq: 19 Dec 2017 17:04

Instrument :
BNA_M
ClientSampleId :
F9A10MEDL

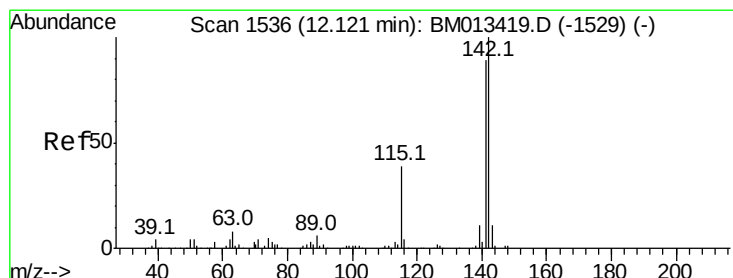
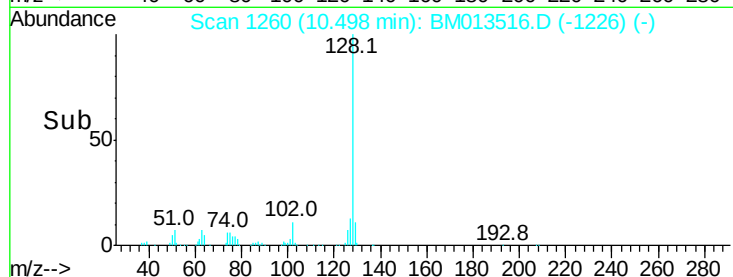
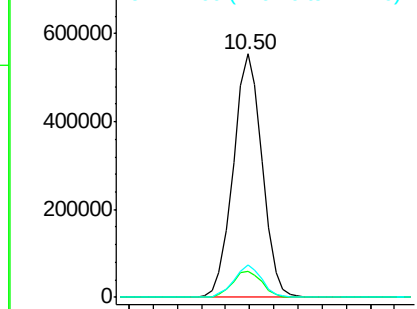
Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.9	8.8	13.2	
127	13.5	10.6	16.0	

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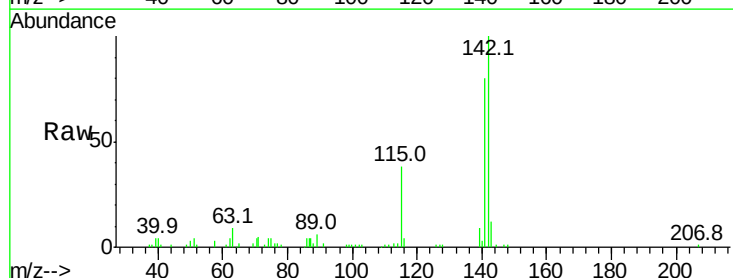


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

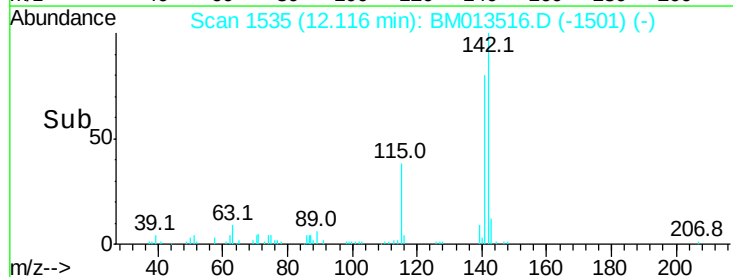
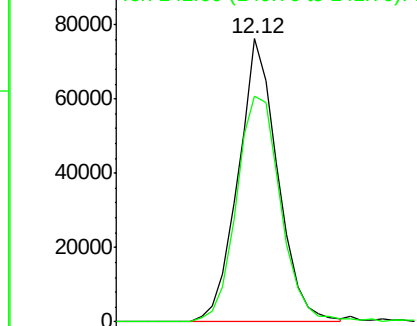


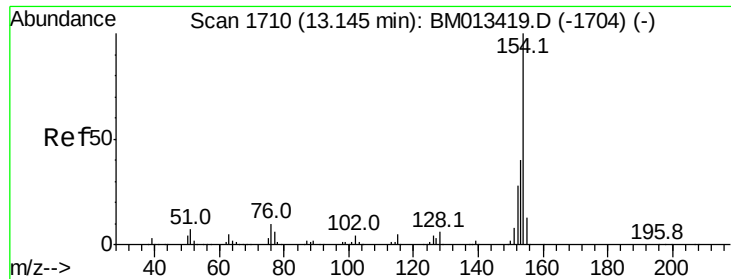
#34
2-Methylnaphthalene
Concen: 4.364 ng/ul
RT: 12.12 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BM013516.D
Acq: 19 Dec 2017 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	79.9	74.1	111.1	



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





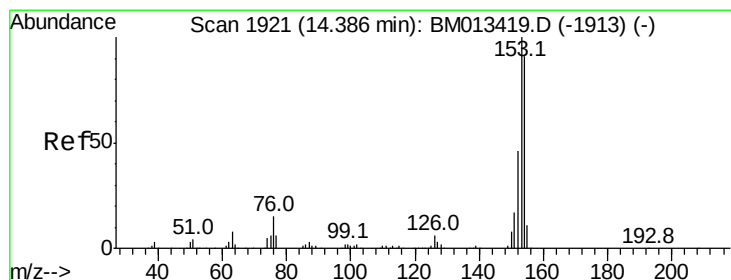
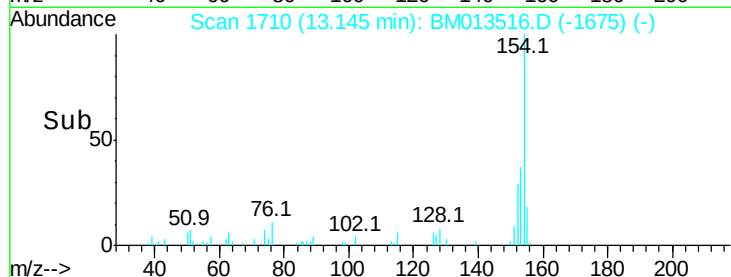
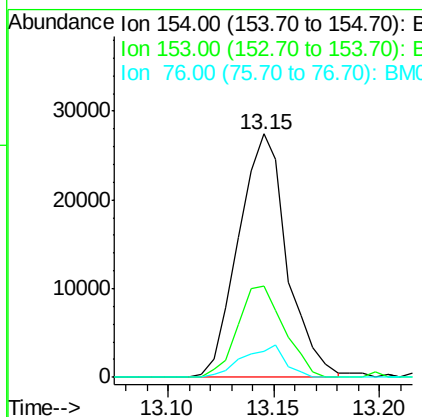
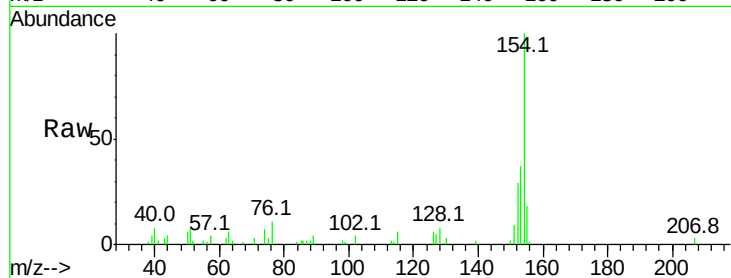
#40
 1,1'-Biphenyl
 Concen: 1.290 ng/ul
 RT: 13.15 min Scan# 1710
 Delta R.T. 0.01 min
 Lab File: BM013516.D
 Acq: 19 Dec 2017 17:04

Instrument :
 BNA_M
 ClientSampleId :
 F9A10MEDL

Tot Ion:	154	Resp:	43869
Ion Ratio	Lower	Upper	
154	100		
153	37.4	32.6	48.8
76	10.9	8.5	12.7

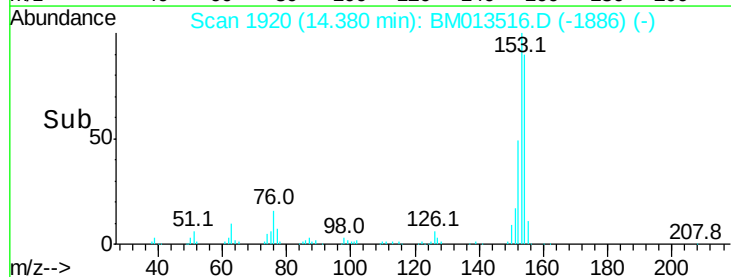
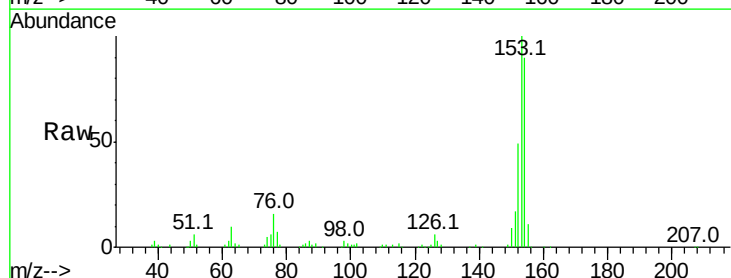
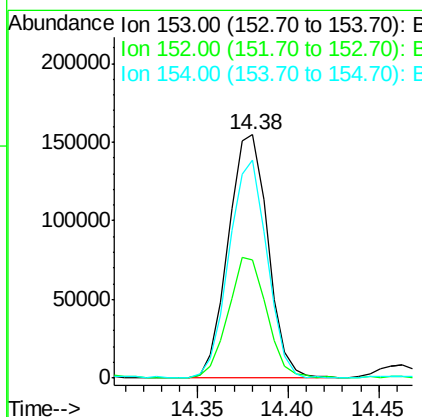
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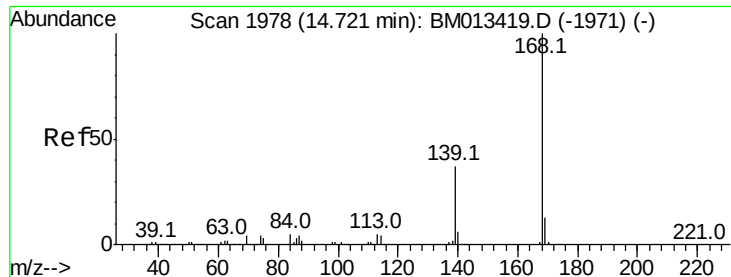
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#49
 Acenaphthene
 Concen: 8.462 ng/ul
 RT: 14.38 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: BM013516.D
 Acq: 19 Dec 2017 17:04

Tgt Ion:	153	Resp:	235752
Ion Ratio	Lower	Upper	
153	100		
152	48.6	37.6	56.4
154	89.6	70.4	105.6





#53

Dibenzenofuran

Concen: 5.292 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM013516.D

Acq: 19 Dec 2017 17:04

Instrument :

BNA_M

ClientSampleId :

F9A10MEDL

Tot Ion:168 Resp: 217682

Ion Ratio Lower Upper

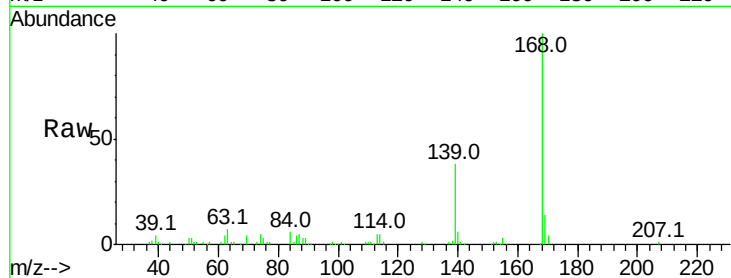
168 100

139 38.1 30.8 46.2

Manual Integrations
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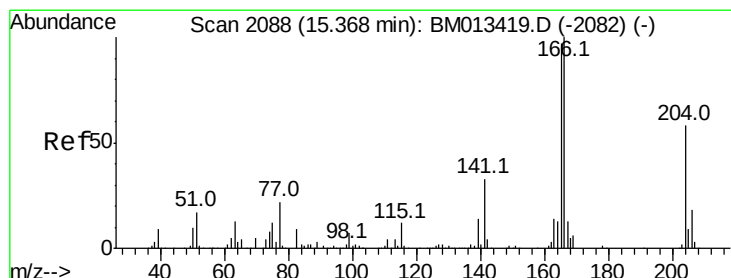
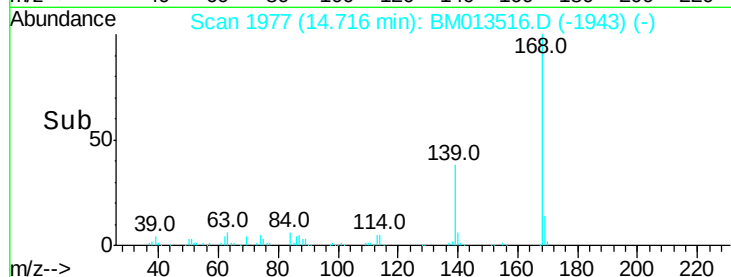
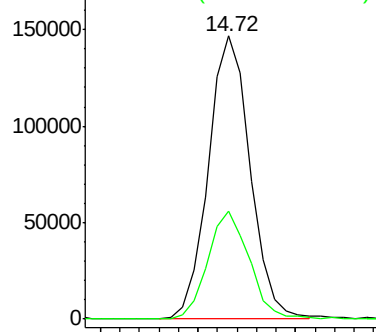
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 6.295 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM013516.D

Acq: 19 Dec 2017 17:04

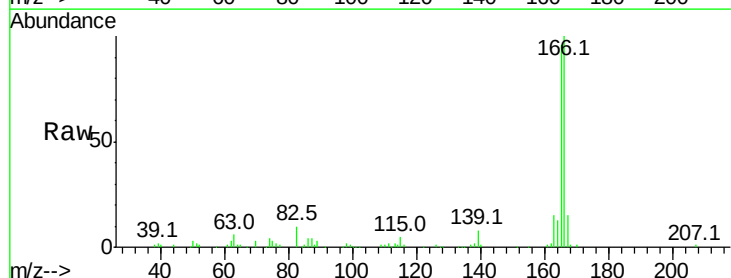
Tgt Ion:166 Resp: 214205

Ion Ratio Lower Upper

166 100

165 95.7 77.9 116.9

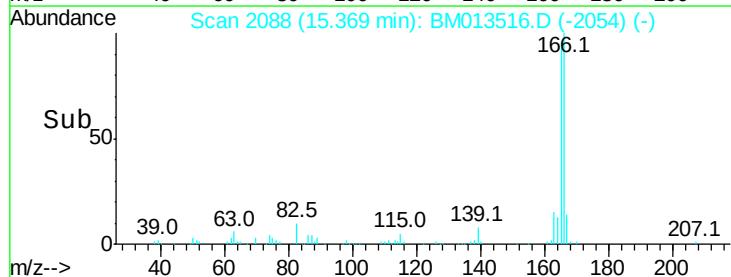
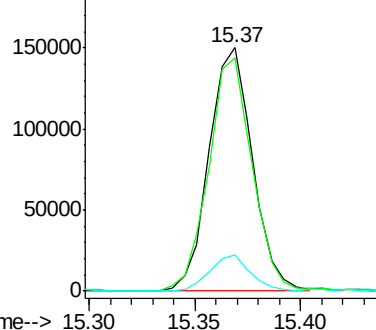
167 14.8 10.6 16.0

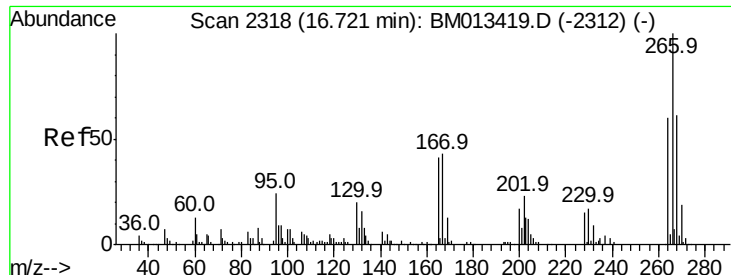


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





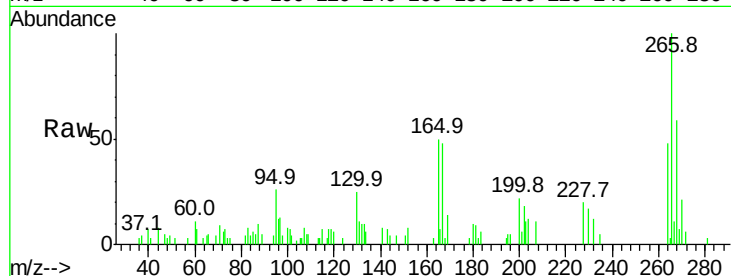
#68
 Pentachlorophenol
 Concen: 3.136 ng/ul
 RT: 16.73 min Scan# 2319
 Delta R.T. 0.01 min
 Lab File: BM013516.D
 Acq: 19 Dec 2017 17:04

Instrument :
 BNA_M
 ClientSampleId :
 F9A10MEDL

Tot Ion	Ratio	Lower	Upper
266	100		
264	47.8	49.3	73.9#
268	59.0	52.6	78.8

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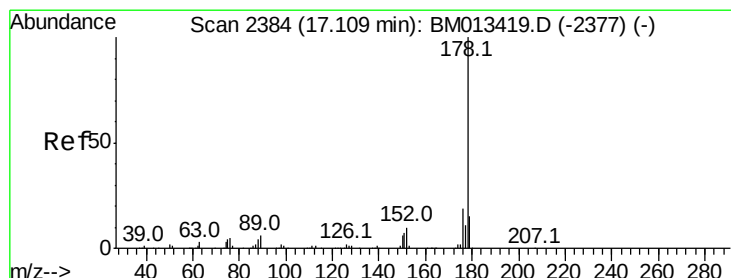
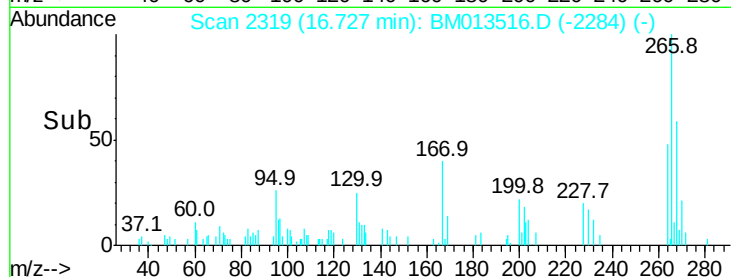
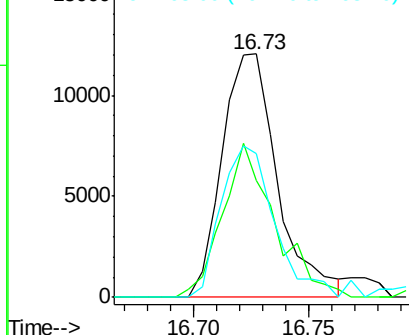


Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#69
 Phenanthrene
 Concen: 23.717 ng/ul
 RT: 17.10 min Scan# 2383
 Delta R.T. 0.00 min
 Lab File: BM013516.D
 Acq: 19 Dec 2017 17:04

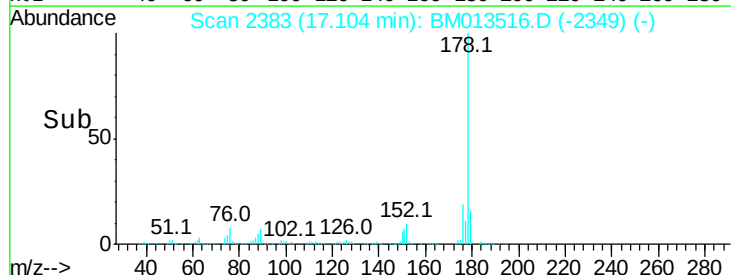
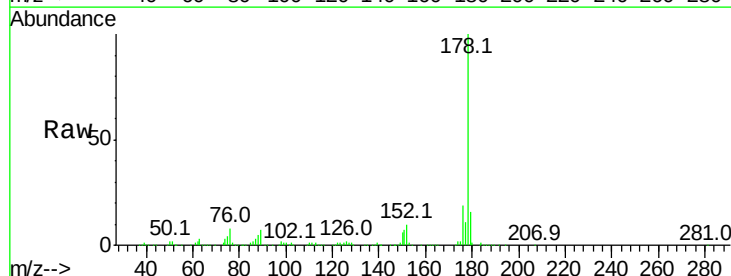
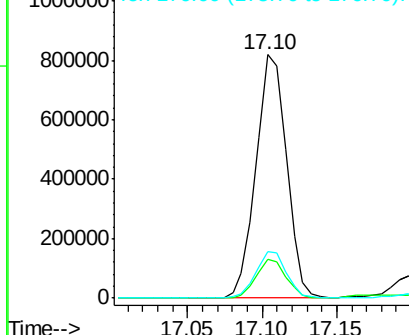
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	19.0
176	19.1	14.9	22.3

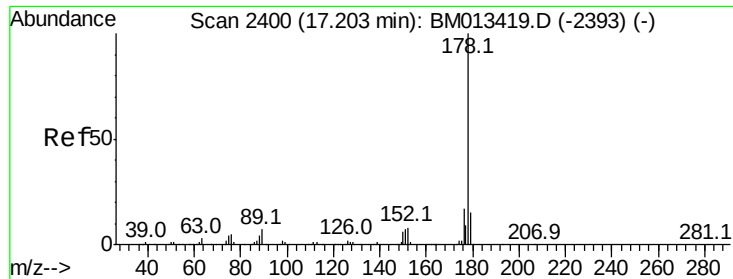
Abundance

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





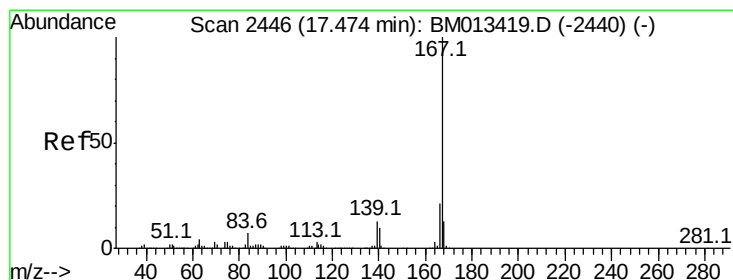
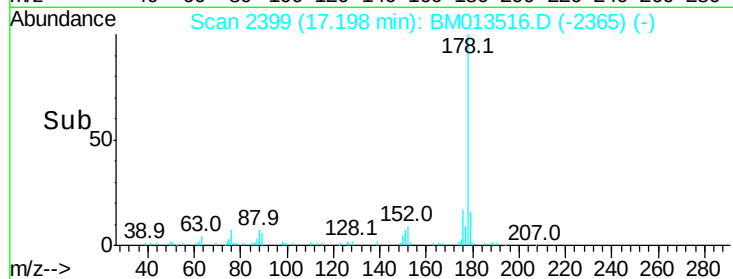
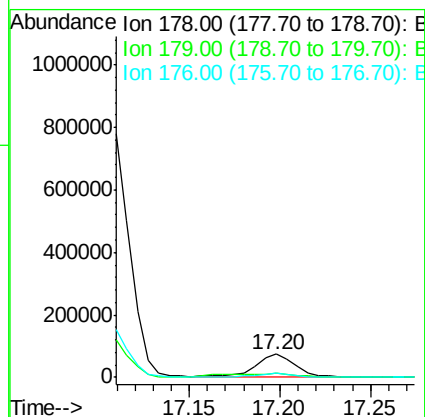
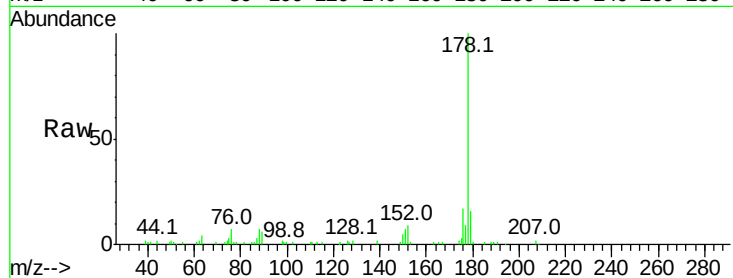
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 Anthracene
 Concen: 2.126 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. 0.00 min
 Lab File: BM013516.D
 Acq: 19 Dec 2017 17:04

Instrument :
 BNA_M
 ClientSampleId :
 F9A10MEDL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	11.7	17.5
176	17.1	14.6	21.8

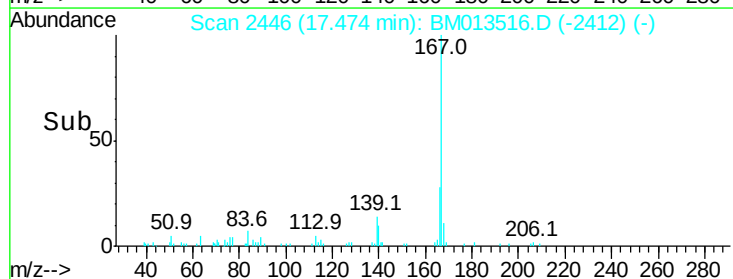
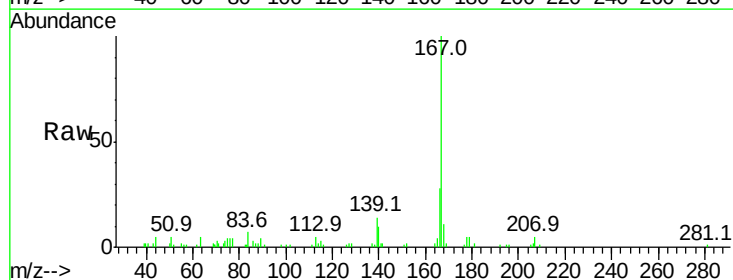
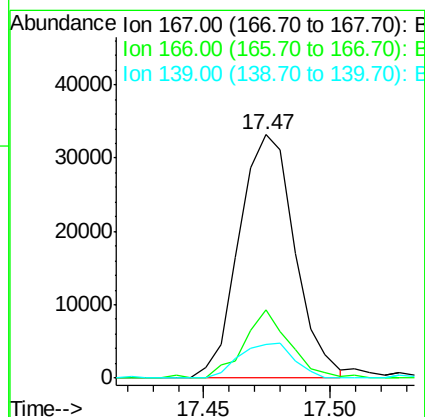
Manual Integrations
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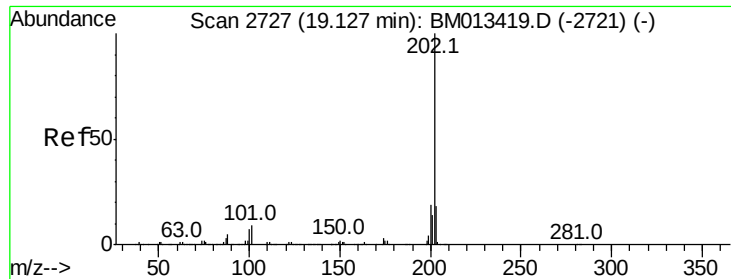
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#72
 Carbazole
 Concen: 1.178 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BM013516.D
 Acq: 19 Dec 2017 17:04

Tgt Ion	Ratio	Lower	Upper
167	100		
166	27.8	17.1	25.7#
139	14.0	10.0	15.0





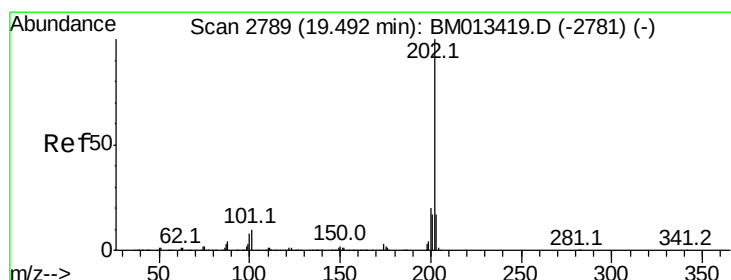
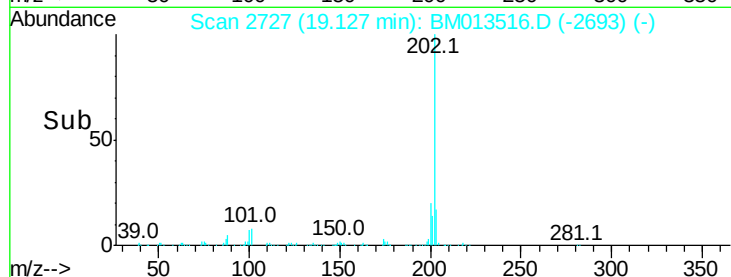
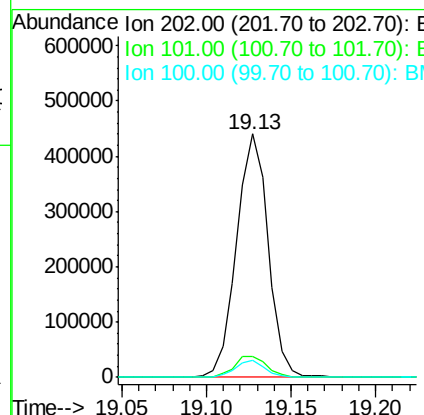
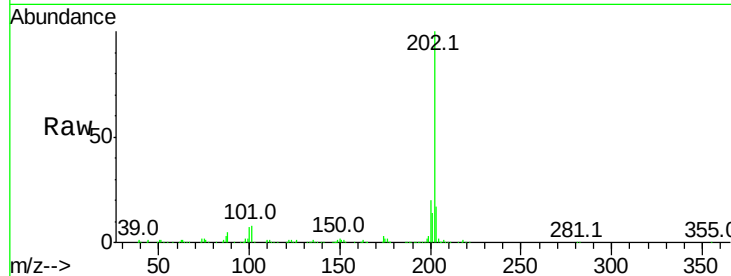
#74
 Fluoranthene
 Concen: 9.576 ng/ul
 RT: 19.13 min Scan# 2727
 Delta R.T. 0.00 min
 Lab File: BM013516.D
 Acq: 19 Dec 2017 17:04

Instrument :
 BNA_M
 ClientSampleId :
 F9A10MEDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.3	4.6	7.0#
100	7.1	3.4	5.2#

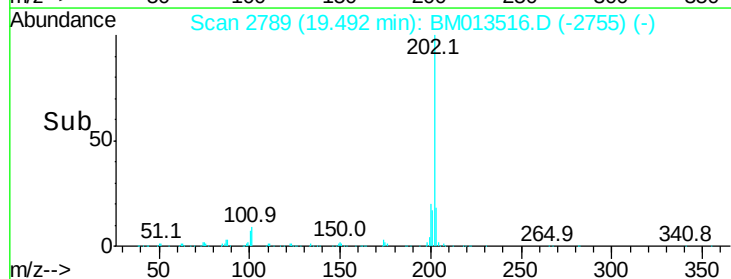
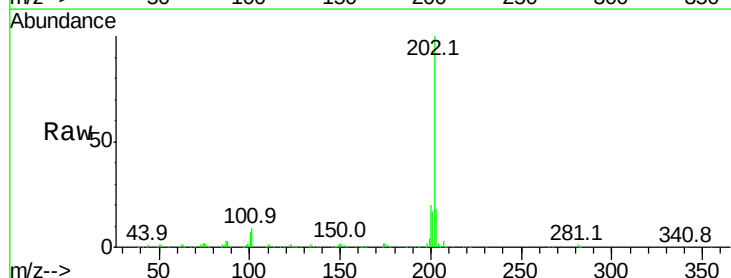
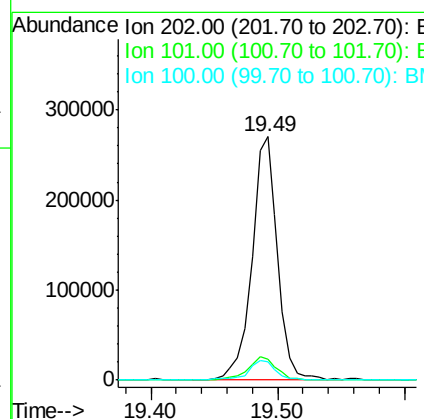
Manual Integrations
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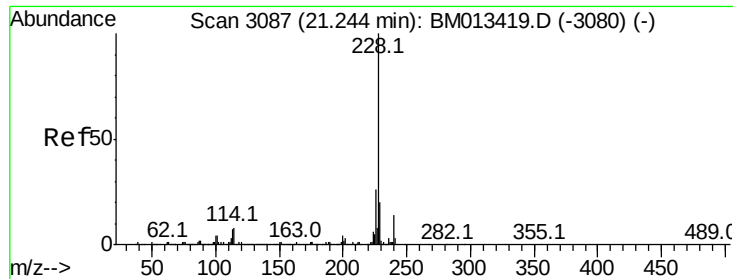
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#77
 Pyrene
 Concen: 8.535 ng/ul
 RT: 19.49 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: BM013516.D
 Acq: 19 Dec 2017 17:04

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	8.6	5.1	7.7#
100	7.3	4.9	7.3





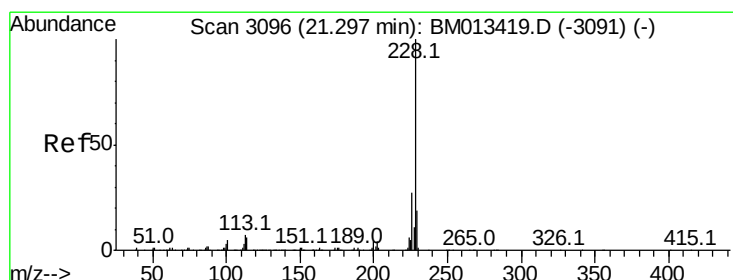
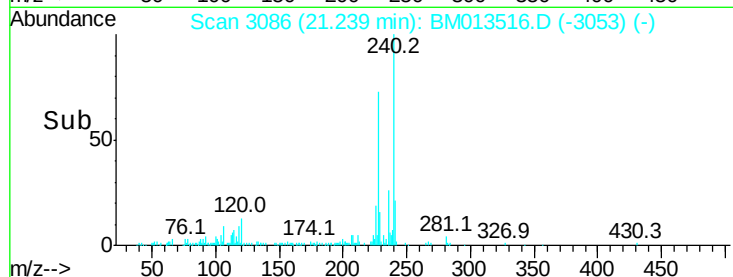
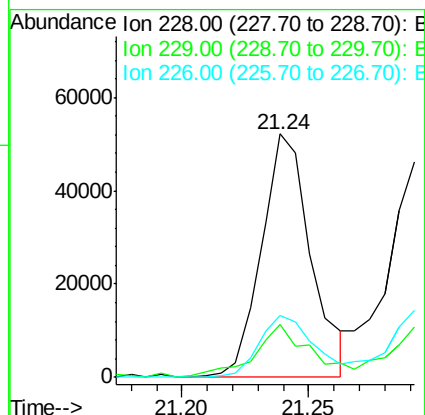
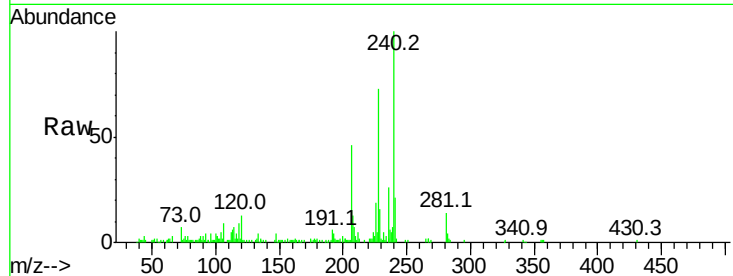
#80
Benzo(a)anthracene
Concen: 1.535 ng/ul
RT: 21.24 min Scan# 3086
Delta R.T. -0.01 min
Lab File: BM013516.D
Acq: 19 Dec 2017 17:04

Instrument :
BNA_M
ClientSampleId :
F9A10MEDL

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.9	15.4	23.0
226	25.6	21.4	32.0

Manual Integrations
APPROVED

Sohil
12/20/2017 3:49:42 PM



#82
Chrysene
Concen: 1.532 ng/ul m
RT: 21.29 min Scan# 3095
Delta R.T. 0.00 min
Lab File: BM013516.D
Acq: 19 Dec 2017 17:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.4	35.2
229	23.5	15.5	23.3#

