

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
 Data File : BM013959.D
 Acq On : 29 Jan 2018 15:23
 Operator : SJ/JU
 Sample : J1243-12 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B35

Manual Integrations
 APPROVED

Sohil
 1/30/2018 3:33:59 PM

Quant Time: Jan 30 10:42:47 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 30 01:10:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	89653	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	380838	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	248706	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	574766	20.00	ng/ul	0.00
75) Chrysene-d12	21.18	240	660401	20.00	ng/ul	0.00
83) Perylene-d12	23.36	264	634075	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	130m	0.06	ng/uL	0.00
5) Phenol-d5	6.79	99	6117m	0.89	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	6.93	67	4284	1.03	ng/ul	0.01
9) 2-Chlorophenol-d4	7.12	132	6646	1.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	6341m	1.20	ng/ul	0.03
19) Nitrobenzene-d5	8.75	128	3482m	1.18	ng/ul	0.02
22) 2-Nitrophenol-d4	9.46	143	3865	1.24	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.03	165	7743m	1.28	ng/ul	0.05
29) 4-Chloroaniline-d4	10.53	131	5739	1.10	ng/ul	0.03
43) Dimethylphthalate-d6	13.65	166	29134	1.42	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	33836	1.29	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	532	0.16	ng/ul	0.00
57) Fluorene-d10	15.23	176	26643	1.48	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	2182m	0.63	ng/ul	0.03
70) Anthracene-d10	17.08	188	43298m	1.55	ng/ul	0.00
76) Pyrene-d10	19.38	212	47115	1.53	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.23	264	42360	1.45	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.39	128	1884493	99.463	ng/ul	98
34) 2-Methylnaphthalene	12.02	142	950497	67.287	ng/ul	92
40) 1,1'-Biphenyl	13.05	154	247786	11.969	ng/ul	99
49) Acenaphthene	14.29	153	783832	47.323	ng/ul	99
53) Dibenzofuran	14.63	168	864835	34.707	ng/ul	96
58) Fluorene	15.28	166	679340	33.282	ng/ul	96
68) Pentachlorophenol	16.64	266	25658	6.608	ng/ul	89
69) Phenanthrene	17.03	178	3627584	113.543	ng/ul	99
71) Anthracene	17.12	178	602826	18.293	ng/ul	98
72) Carbazole	17.39	167	141385	5.198	ng/ul	97
74) Fluoranthene	19.05	202	2033321	53.316	ng/ul#	99
77) Pyrene	19.41	202	1281066	31.909	ng/ul#	95
80) Benzo(a)anthracene	21.17	228	271683	6.808	ng/ul	99
82) Chrysene	21.22	228	205588	5.616	ng/ul	98
85) Benzo(b)fluoranthene	22.72	252	122850	3.155	ng/ul#	92
88) Benzo(a)pyrene	23.27	252	62876	1.709	ng/ul#	98

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

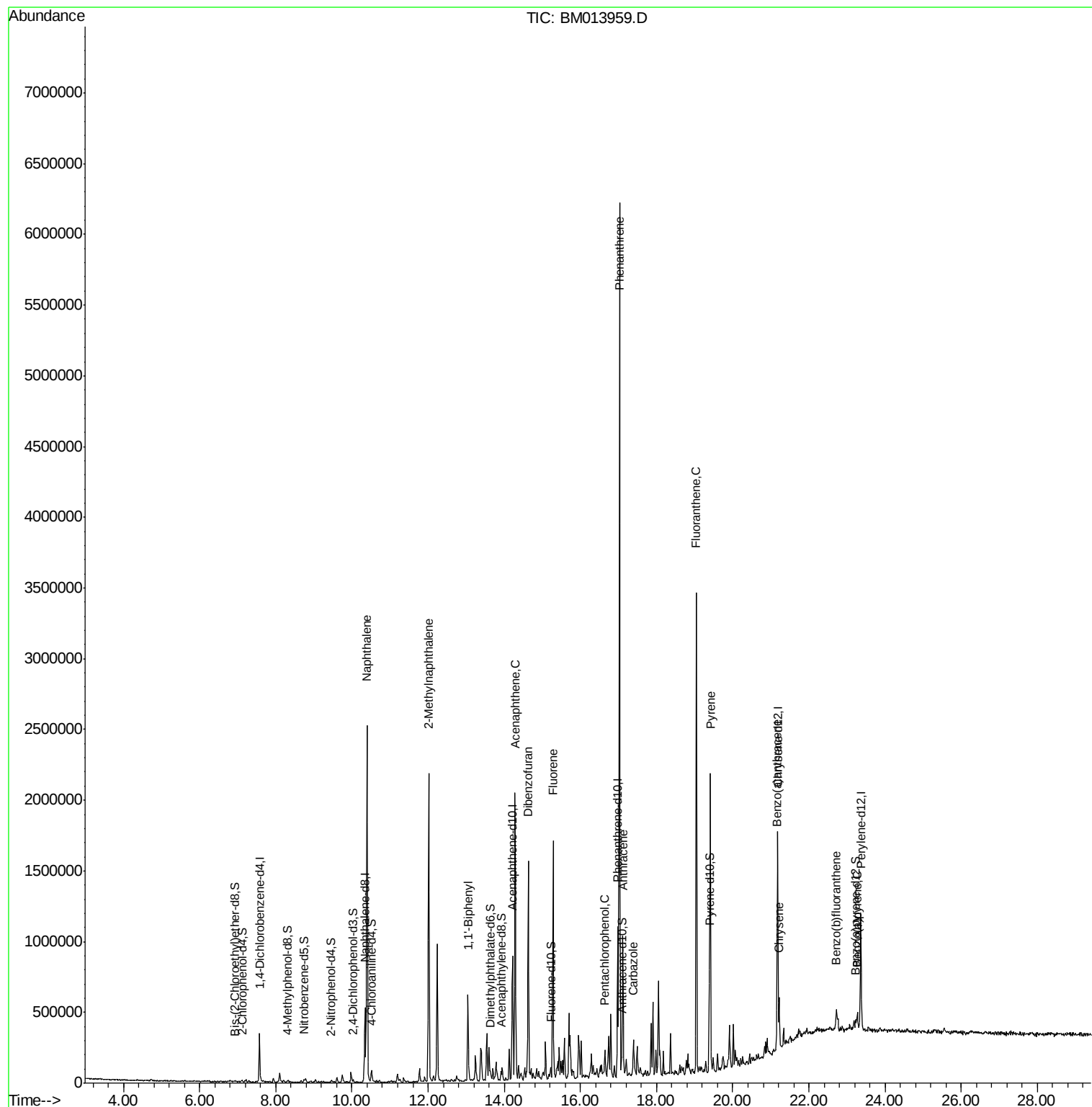
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013959.D
Acq On : 29 Jan 2018 15:23
Operator : SJ/JU
Sample : J1243-12 20X
Misc :
ALS Vial : 6 Sample Multiplier: 1

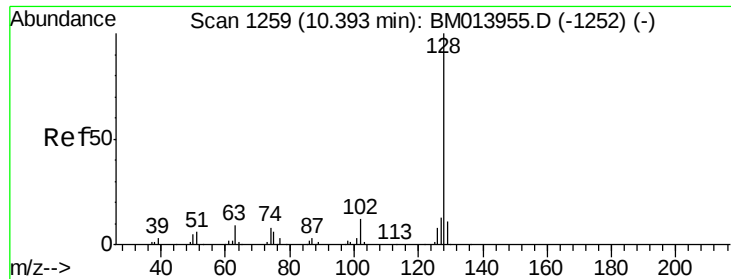
Instrument :
BNA_M
ClientSampleId :
F6B35

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Quant Time: Jan 30 10:42:47 2018
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Quant Title : SVOA CALIBRATION
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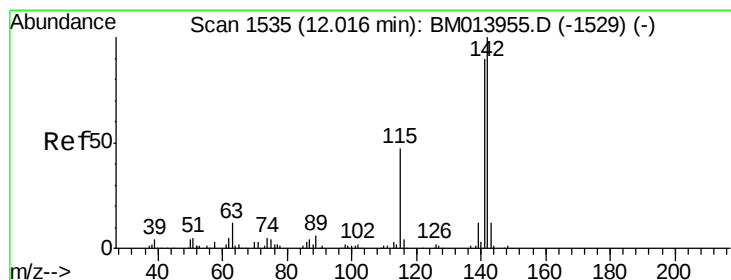
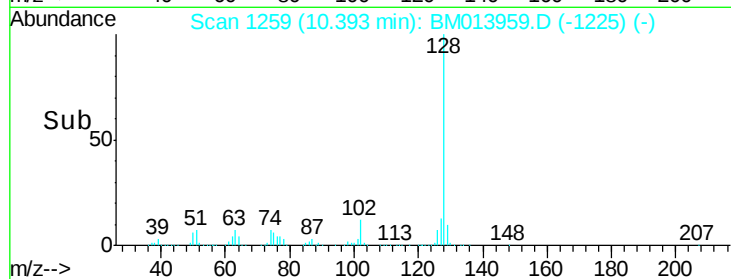
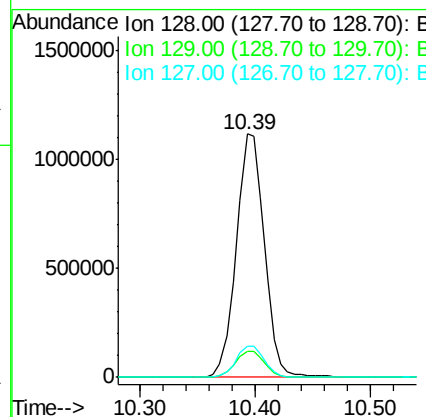
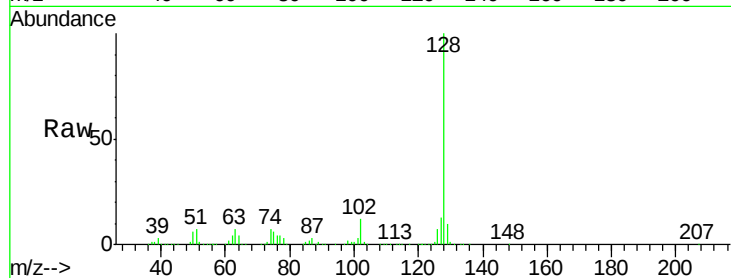
#28
Naphthalene
Concen: 99.463 ng/ul
RT: 10.39 min Scan# 1259
Delta R.T. -0.00 min
Lab File: BM013959.D
Acq: 29 Jan 2018 15:23

Instrument :
BNA_M
ClientSampled :
F6B35

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	12.6	10.6	16.0

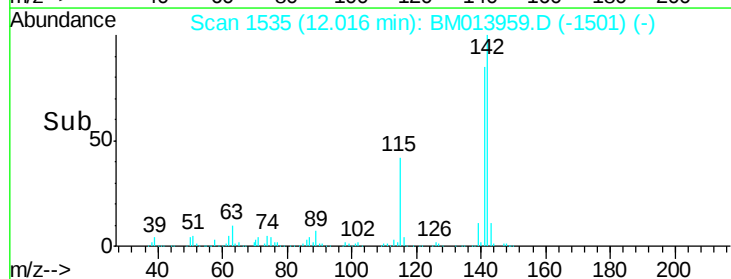
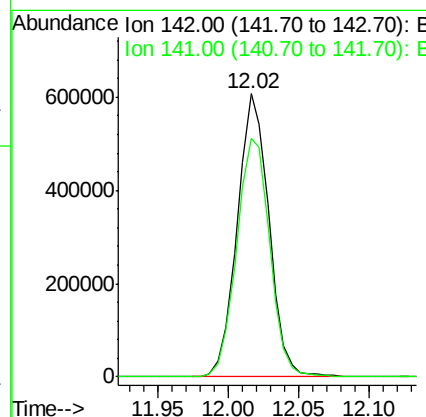
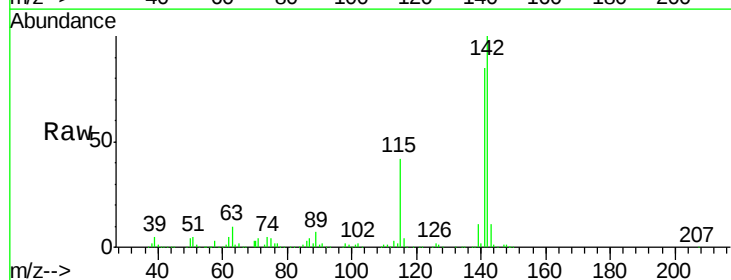
Manual Integrations
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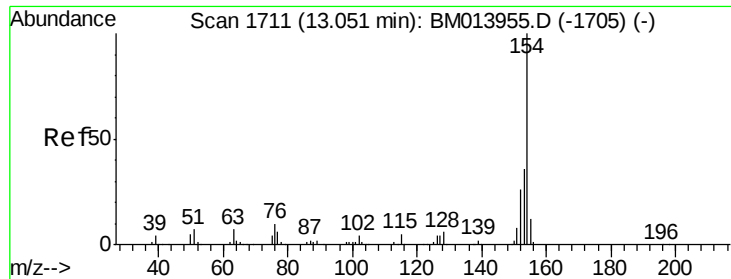
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#34
2-Methylnaphthalene
Concen: 67.287 ng/ul
RT: 12.02 min Scan# 1535
Delta R.T. -0.00 min
Lab File: BM013959.D
Acq: 29 Jan 2018 15:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.5	74.1	111.1





#40

1,1'-Biphenyl

Concen: 11.969 ng/ul

RT: 13.05 min Scan# 1711

Delta R.T. -0.00 min

Lab File: BM013959.D

Acq: 29 Jan 2018 15:23

Instrument :

BNA_M

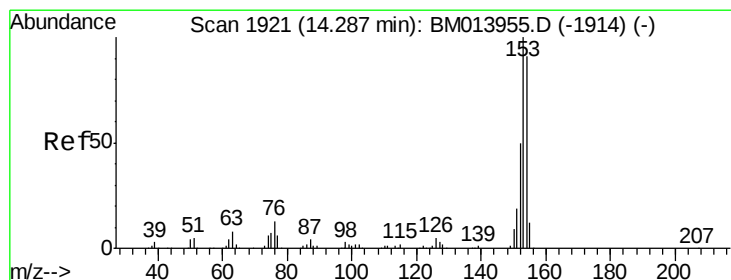
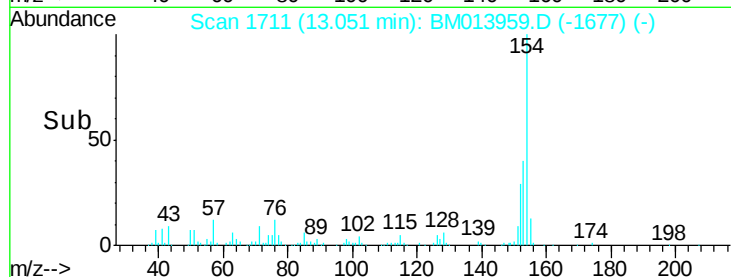
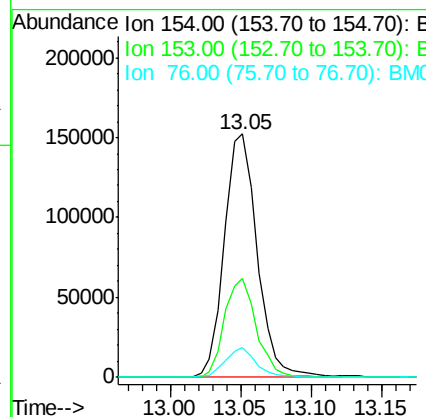
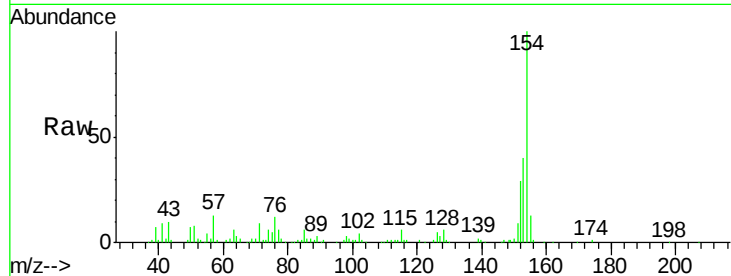
ClientSampleId :

F6B35

Tot Ion:	154	Resp:	247786
Ion Ratio	Lower	Upper	
154	100		
153	40.5	32.6	48.8
76	12.4	8.5	12.7

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#49

Acenaphthene

Concen: 47.323 ng/ul

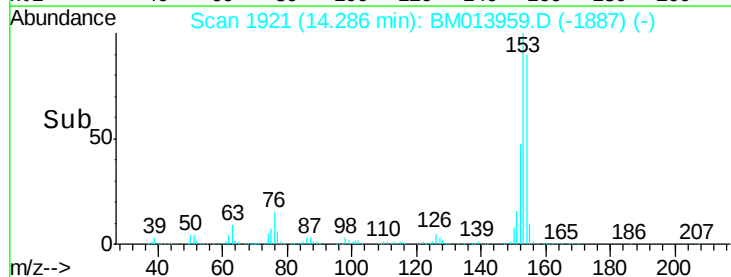
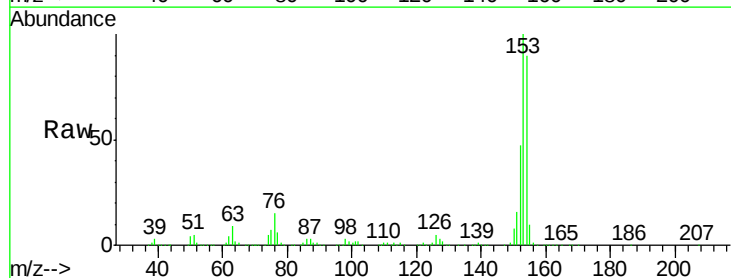
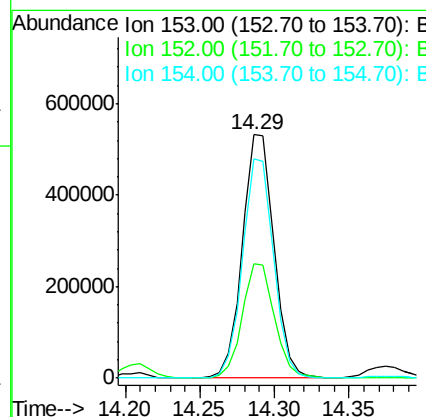
RT: 14.29 min Scan# 1921

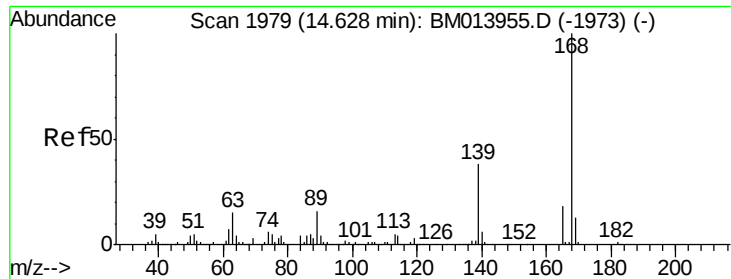
Delta R.T. -0.00 min

Lab File: BM013959.D

Acq: 29 Jan 2018 15:23

Tgt Ion:	153	Resp:	783832
Ion Ratio	Lower	Upper	
153	100		
152	47.0	37.6	56.4
154	90.1	70.4	105.6





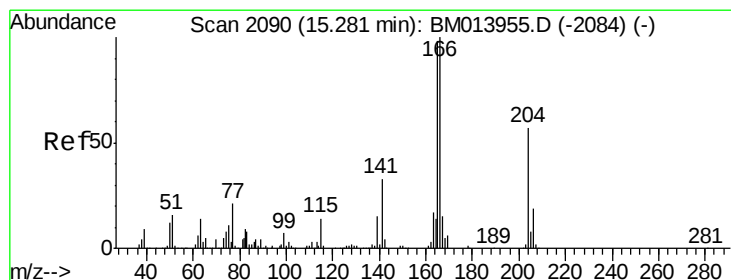
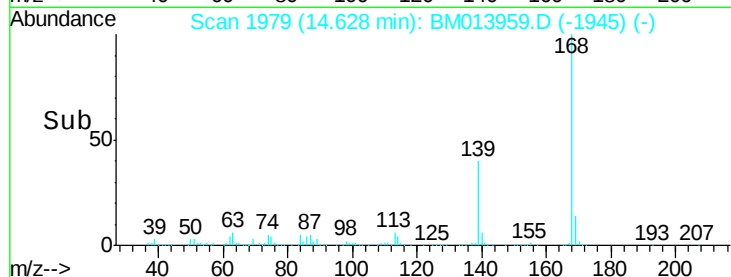
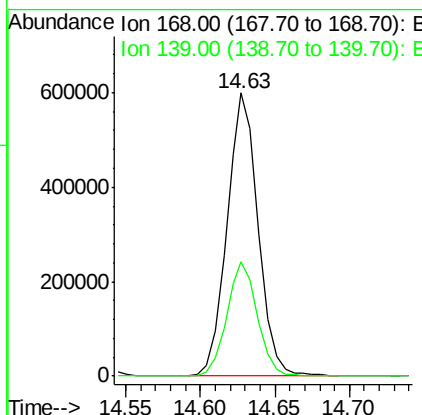
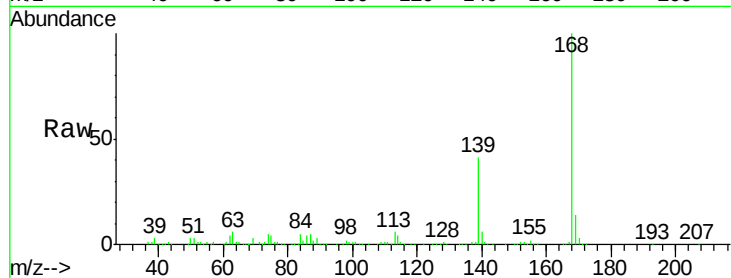
#53
Dibenzenofuran
Concen: 34.707 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BM013959.D
Acq: 29 Jan 2018 15:23

Instrument :
BNA_M
ClientSampleId :
F6B35

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.7	30.8	46.2

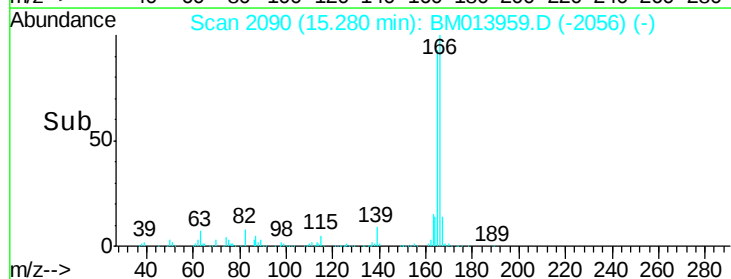
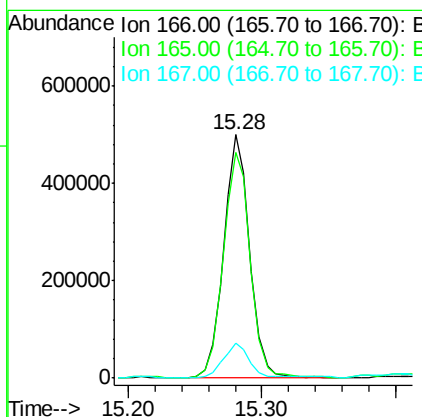
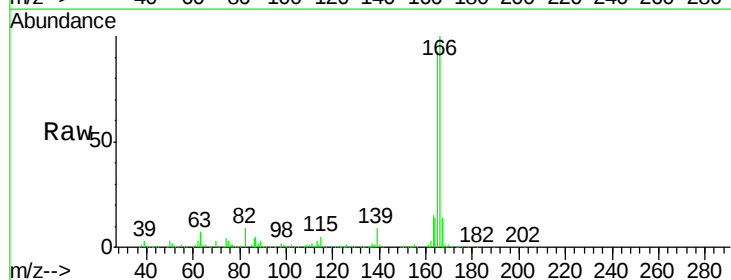
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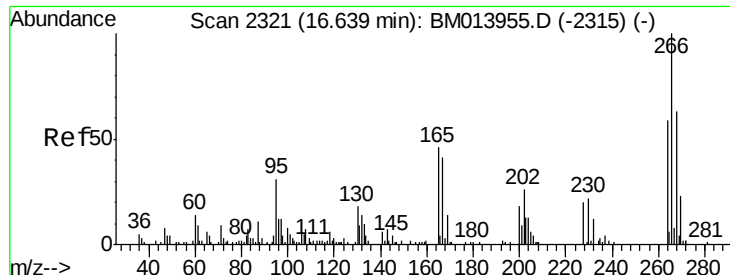
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#58
Fluorene
Concen: 33.282 ng/ul
RT: 15.28 min Scan# 2090
Delta R.T. -0.00 min
Lab File: BM013959.D
Acq: 29 Jan 2018 15:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.8	77.9	116.9
167	14.1	10.6	16.0





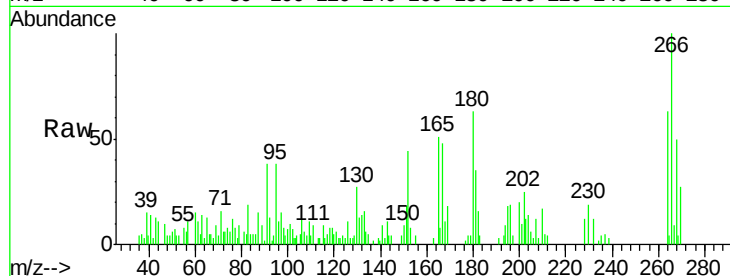
#68
 Pentachlorophenol
 Concen: 6.608 ng/ul
 RT: 16.64 min Scan# 2321
 Delta R.T. -0.00 min
 Lab File: BM013959.D
 Acq: 29 Jan 2018 15:23

Instrument :
 BNA_M
 ClientSampled :
 F6B35

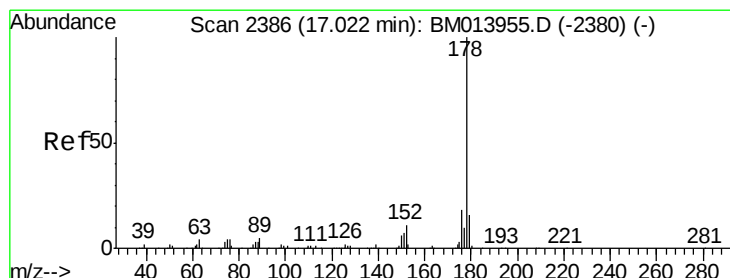
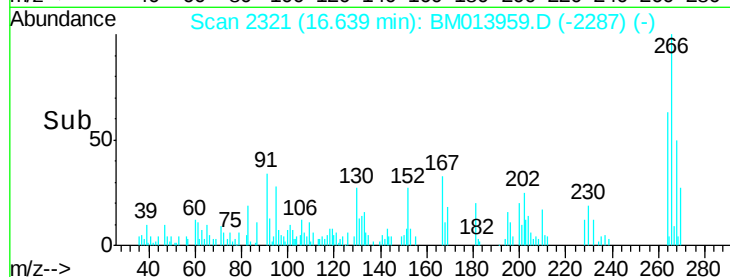
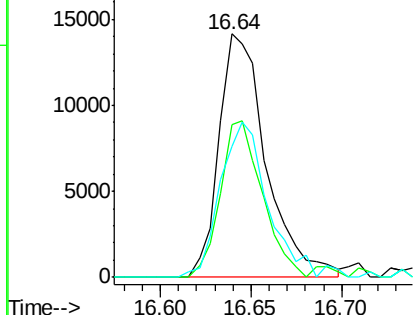
Tot Ion	Ratio	Lower	Upper
266	100		
264	67.0	49.3	73.9
268	53.7	52.6	78.8

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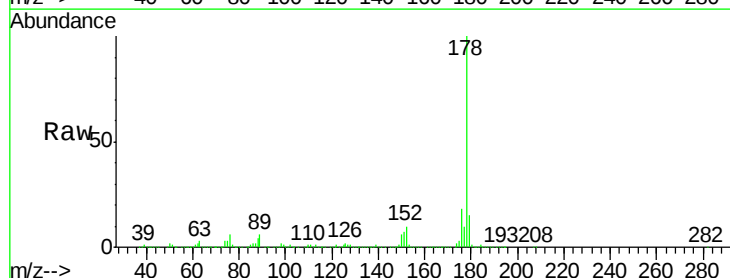


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

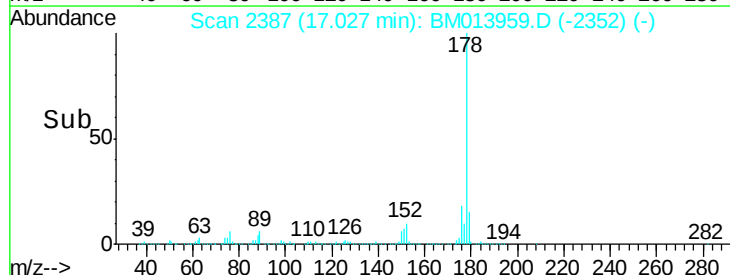
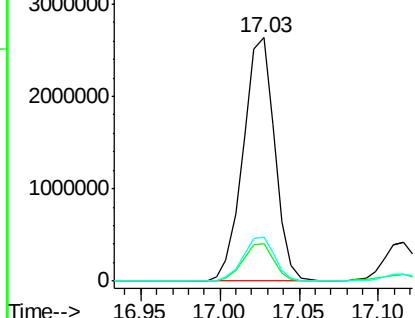


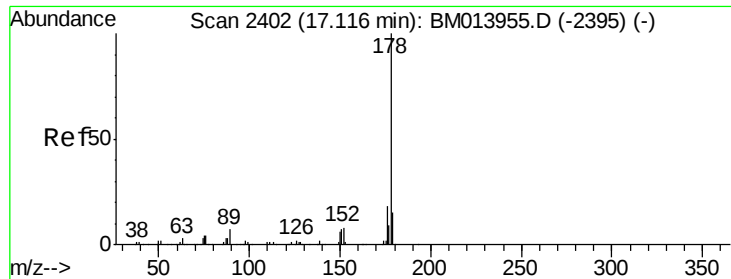
#69
 Phenanthrene
 Concen: 113.543 ng/ul
 RT: 17.03 min Scan# 2387
 Delta R.T. 0.01 min
 Lab File: BM013959.D
 Acq: 29 Jan 2018 15:23

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	18.2	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





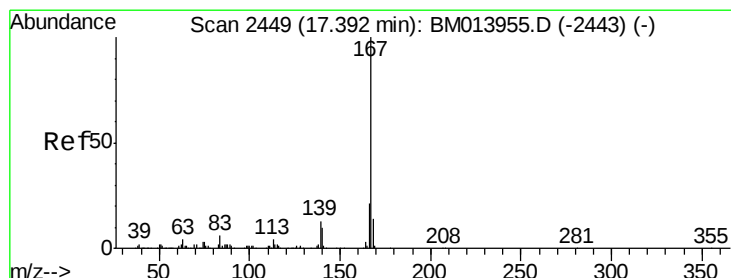
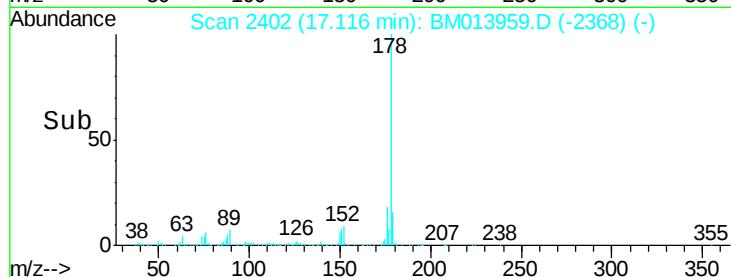
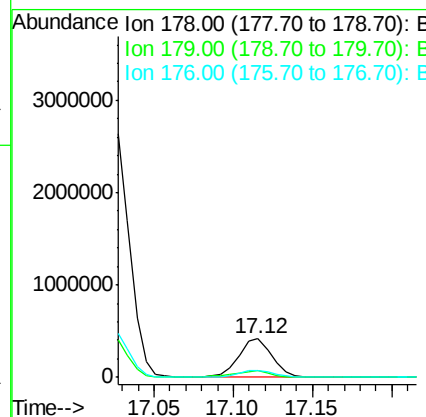
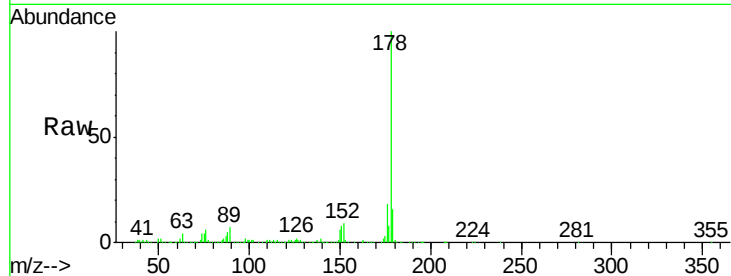
#71
 Anthracene
 Concen: 18.293 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. -0.00 min
 Lab File: BM013959.D
 Acq: 29 Jan 2018 15:23

Instrument :
 BNA_M
 ClientSampleId :
 F6B35

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.5	11.7	17.5
176	17.8	14.6	21.8

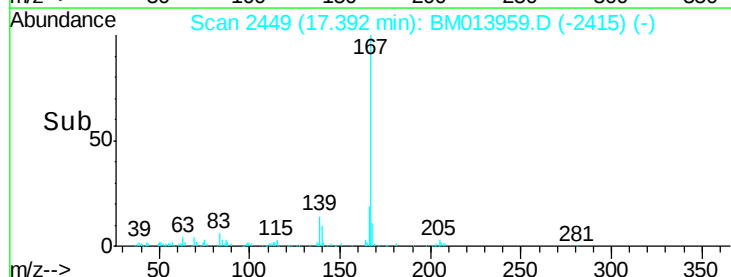
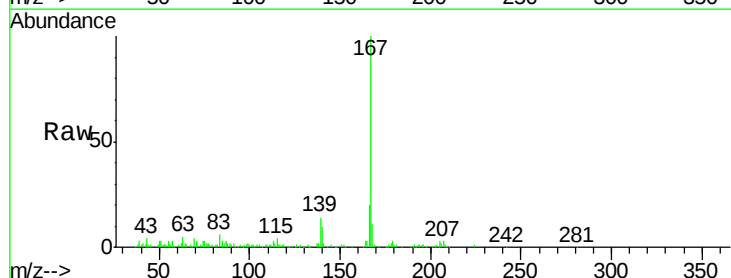
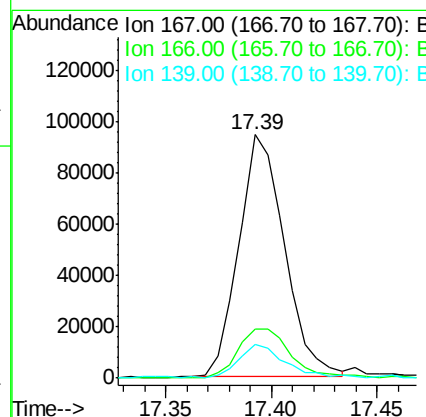
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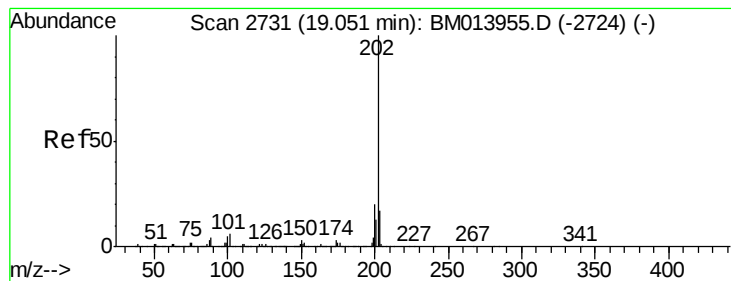
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#72
 Carbazole
 Concen: 5.198 ng/ul
 RT: 17.39 min Scan# 2449
 Delta R.T. -0.00 min
 Lab File: BM013959.D
 Acq: 29 Jan 2018 15:23

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.0	17.1	25.7
139	14.0	10.0	15.0





#74

Fluoranthene

Concen: 53.316 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. -0.00 min

Lab File: BM013959.D

Acq: 29 Jan 2018 15:23

Instrument :

BNA_M

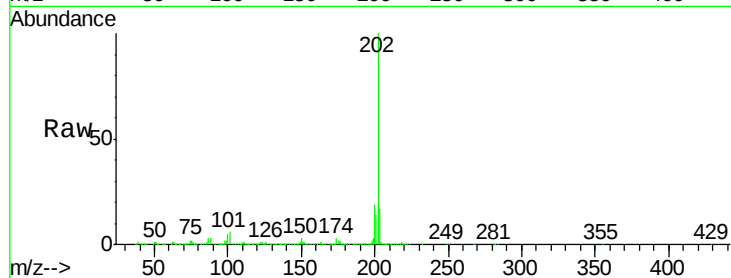
ClientSampleId :

F6B35

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	5.8	4.6	7.0		
100	5.2	3.4	5.2#		

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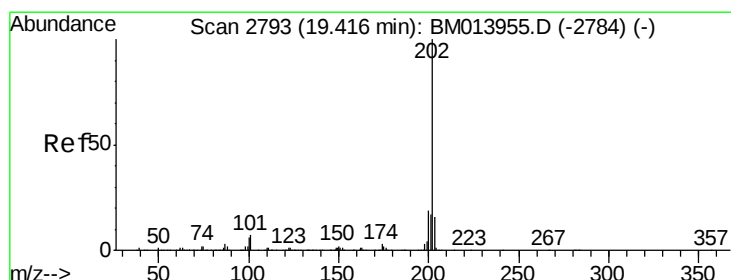
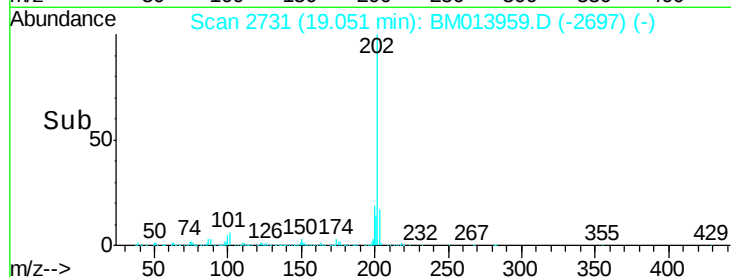
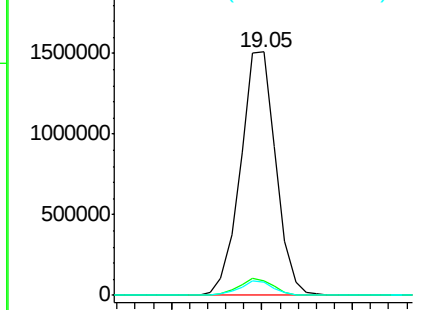
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 31.909 ng/ul

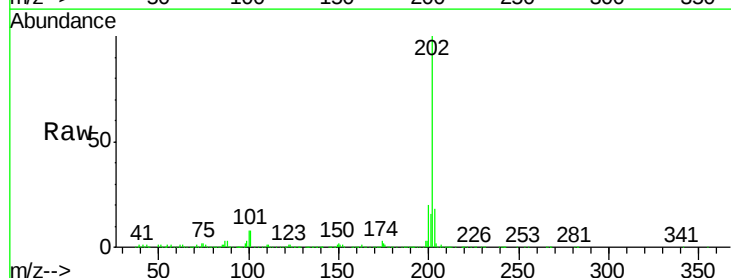
RT: 19.41 min Scan# 2792

Delta R.T. -0.01 min

Lab File: BM013959.D

Acq: 29 Jan 2018 15:23

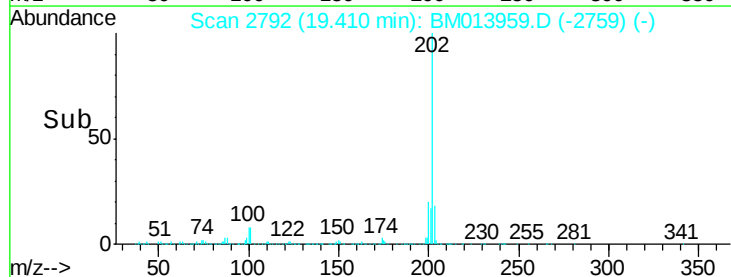
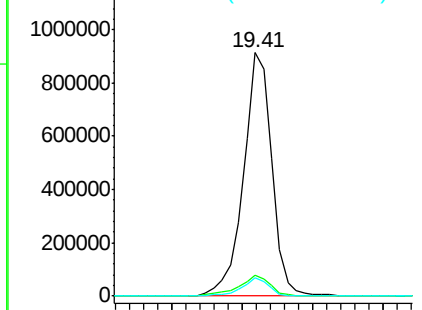
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	8.4	5.1	7.7#		
100	7.6	4.9	7.3#		

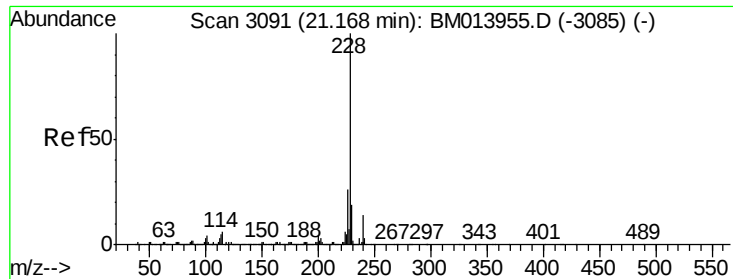


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 6.808 ng/ul

RT: 21.17 min Scan# 3091

Delta R.T. -0.00 min

Lab File: BM013959.D

Acq: 29 Jan 2018 15:23

Instrument :

BNA_M

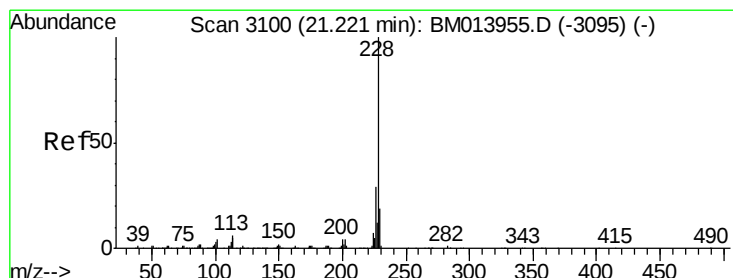
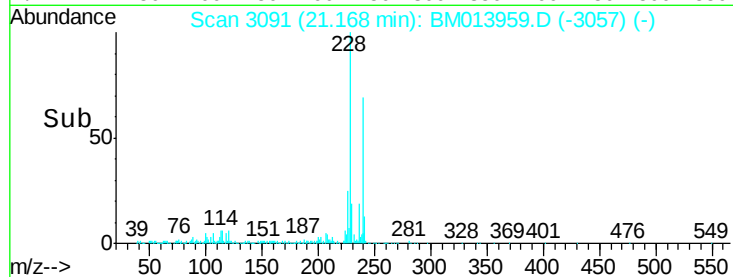
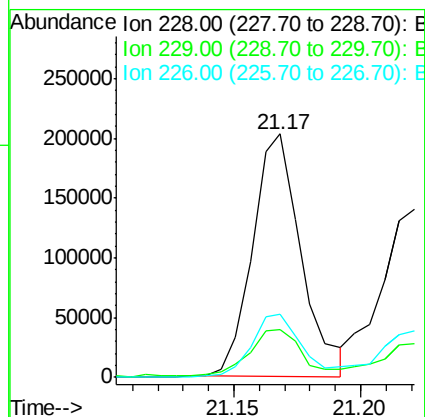
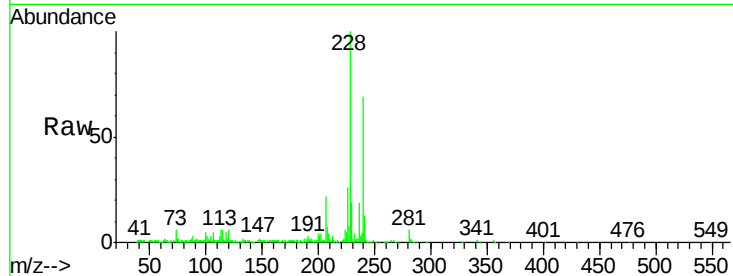
ClientSampleId :

F6B35

Tot Ion:	228	Resp:	271683
Ion Ratio	Lower	Upper	
228	100		
229	19.4	15.4	23.0
226	25.7	21.4	32.0

Manual Integrations
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Sohil
1/30/2018 3:33:59 PM



#82

Chrysene

Concen: 5.616 ng/ul

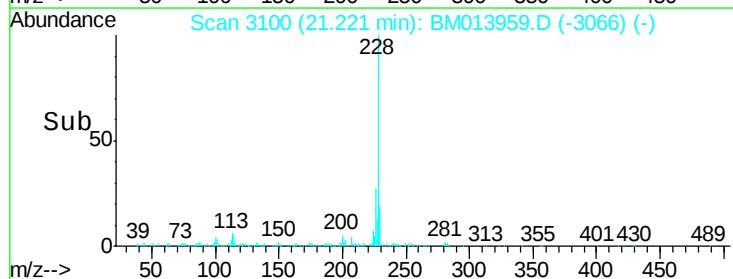
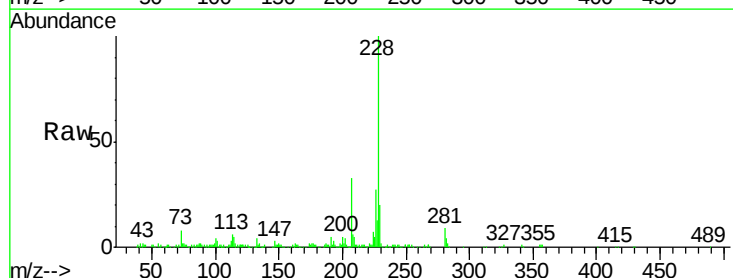
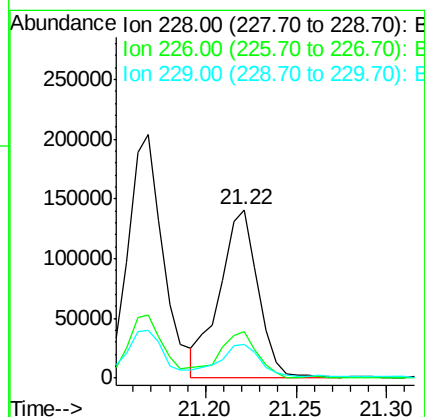
RT: 21.22 min Scan# 3100

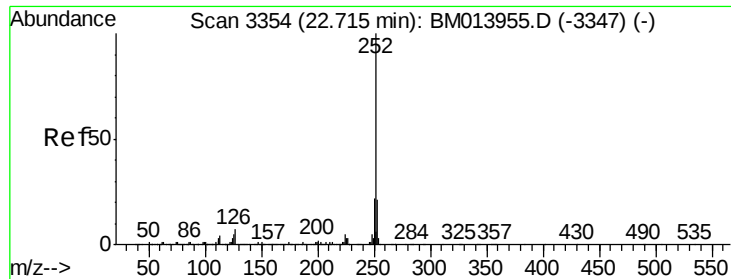
Delta R.T. -0.00 min

Lab File: BM013959.D

Acq: 29 Jan 2018 15:23

Tgt Ion:	228	Resp:	205588
Ion Ratio	Lower	Upper	
228	100		
226	27.5	23.4	35.2
229	19.7	15.5	23.3





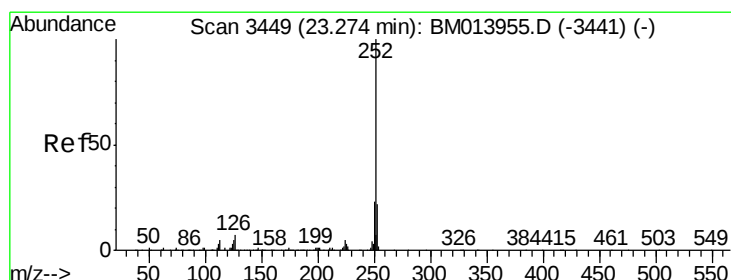
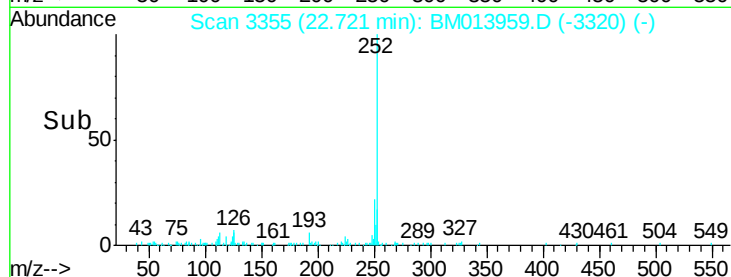
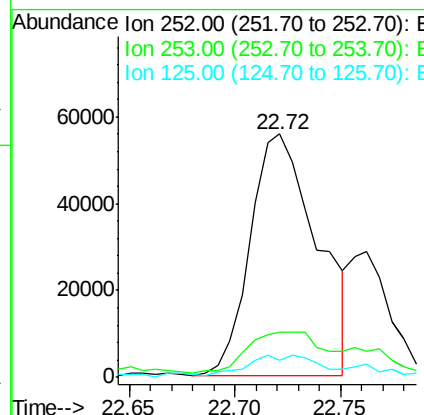
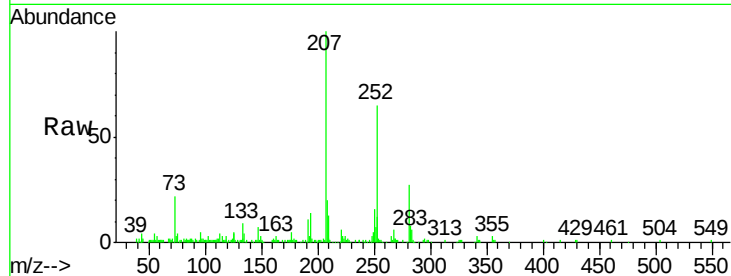
#85
Benzo(b)fluoranthene
Concen: 3.155 ng/ul
RT: 22.72 min Scan# 3355
Delta R.T. 0.01 min
Lab File: BM013959.D
Acq: 29 Jan 2018 15:23

Instrument :
BNA_M
ClientSampleId :
F6B35

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	18.4	17.9	26.9
125	6.8	3.6	5.4#

Manual Integrations
APPROVED

Sohil
1/30/2018 3:33:59 PM



#88
Benzo(a)pyrene
Concen: 1.709 ng/ul
RT: 23.27 min Scan# 3449
Delta R.T. -0.00 min
Lab File: BM013959.D
Acq: 29 Jan 2018 15:23

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.1	18.2	27.2
125	8.1	4.0	6.0#

