

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012818\
 Data File : BM013925.D
 Acq On : 28 Jan 2018 16:52
 Operator : SJ/JU
 Sample : J1244-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F6B53

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:07:49 PM

Quant Time: Feb 09 12:29:44 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 02:34:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	118331	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	449560	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	266504	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	636536	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	770471	20.00	ng/ul	0.00
83) Perylene-d12	23.37	264	765469	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	13769	4.60	ng/uL	0.00
5) Phenol-d5	6.77	99	260434	28.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	167790	30.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	227562	30.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	221667	31.74	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	112653	32.29	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	121333	32.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	230918	32.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	241259	39.05	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	717149	32.65	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	920506	32.86	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	79149	22.17	ng/ul	0.00
57) Fluorene-d10	15.23	176	649433	33.62	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	86314	22.53	ng/ul	0.00
70) Anthracene-d10	17.09	188	1022065	32.97	ng/ul	0.00
76) Pyrene-d10	19.39	212	1238865	34.54	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	1240070	35.25	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	6.79	94	34556	3.793	ng/ul#	90
28) Naphthalene	10.40	128	820393	36.681	ng/ul	100
34) 2-Methylnaphthalene	12.02	142	662693	39.742	ng/ul	97
40) 1,1'-Biphenyl	13.06	154	212135	9.563	ng/ul	97
44) Dimethylphthalate	13.70	163	217651	10.078	ng/ul#	98
49) Acenaphthene	14.30	153	837597	47.191	ng/ul	98
53) Dibenzofuran	14.63	168	833991	31.234	ng/ul	98
58) Fluorene	15.29	166	804000	36.759	ng/ul	99
69) Phenanthrene	17.03	178	4041158	114.214	ng/ul	99
71) Anthracene	17.12	178	453376	12.423	ng/ul	97
72) Carbazole	17.40	167	132822	4.409	ng/ul	98
74) Fluoranthene	19.06	202	2418004	57.251	ng/ul#	96
77) Pyrene	19.42	202	1567155	33.458	ng/ul#	96
80) Benzo(a)anthracene	21.17	228	341864	7.343	ng/ul	98
82) Chrysene	21.22	228	264963	6.204	ng/ul	94
85) Benzo(b)fluoranthene	22.73	252	165981	3.531	ng/ul#	96
86) Benzo(k)fluoranthene	22.77	252	66596m	1.466	ng/ul	
88) Benzo(a)pyrene	23.27	252	87100	1.961	ng/ul#	96

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

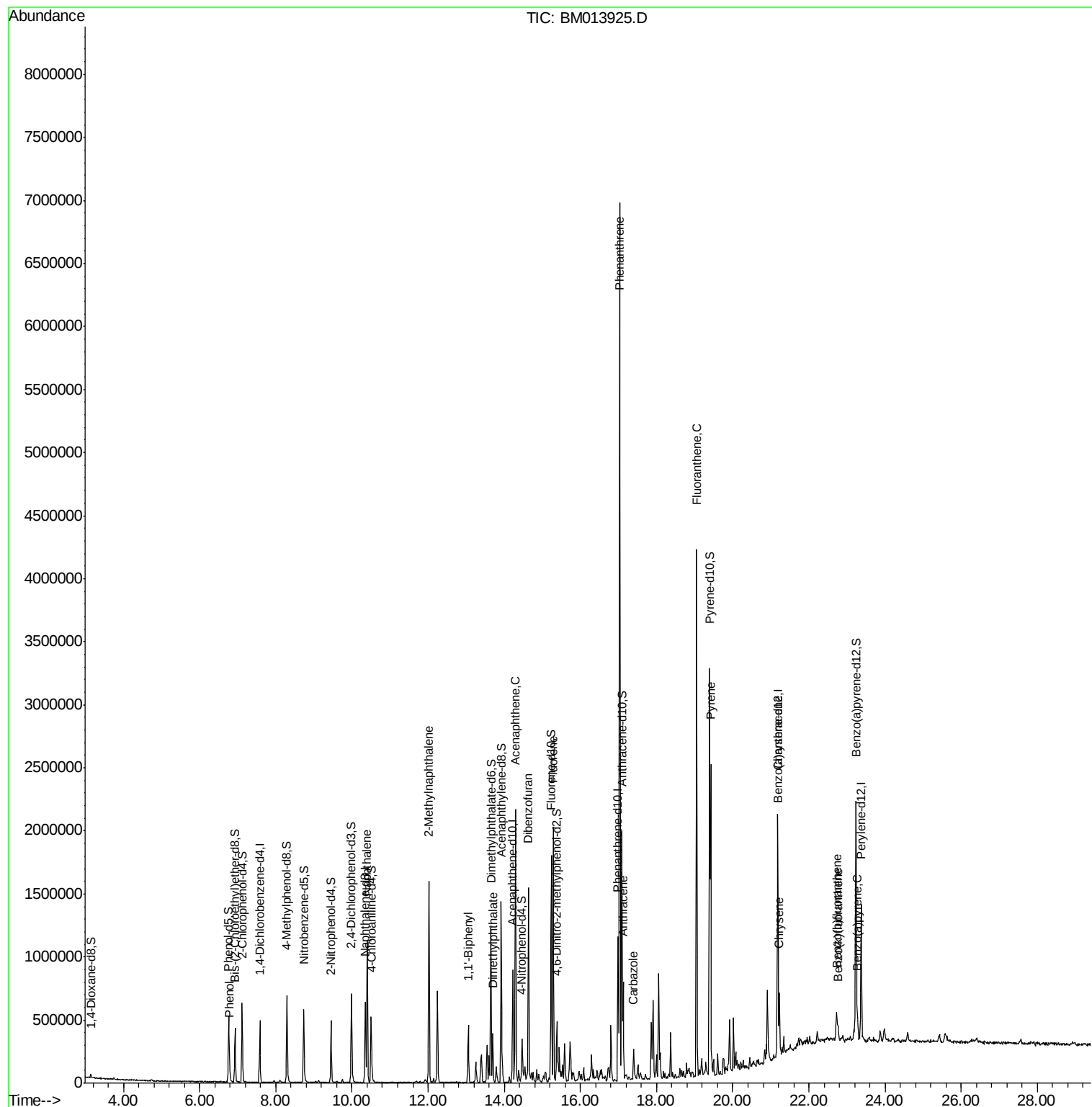
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012818\
Data File : BM013925.D
Acq On : 28 Jan 2018 16:52
Operator : SJ/JU
Sample : J1244-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

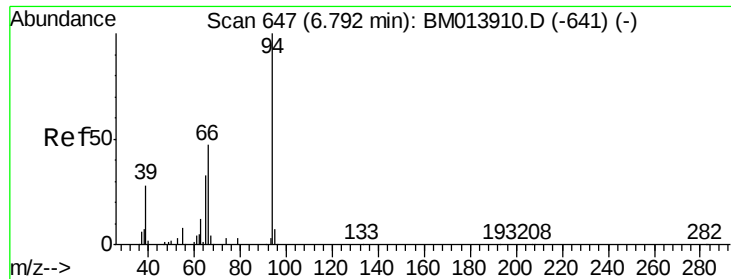
Instrument :
BNA_M
ClientSampleId :
F6B53

Quant Time: Feb 09 12:29:44 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 02:34:24 2018
Response via : Initial Calibration

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#6

Phenol

Concen: 3.793 ng/ul

RT: 6.79 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM013925.D

Acq: 28 Jan 2018 16:52

Instrument :

BNA_M

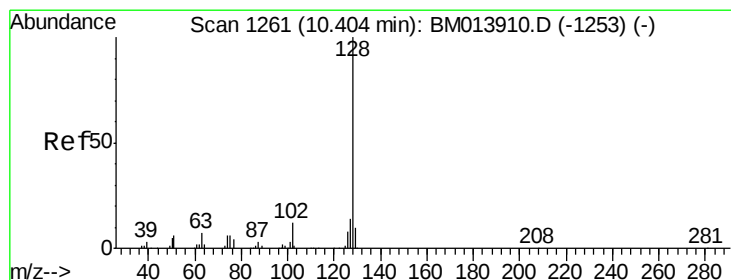
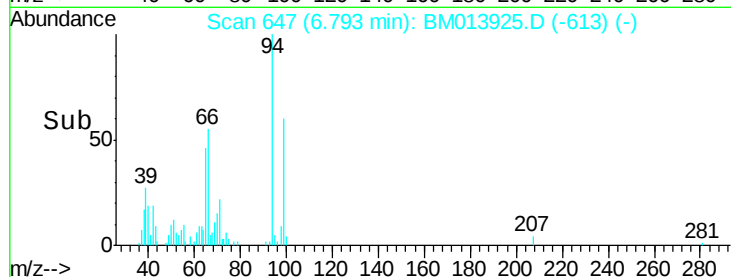
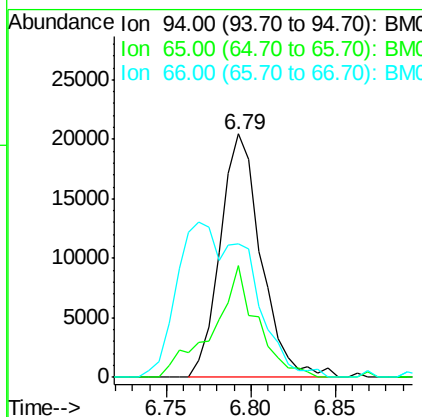
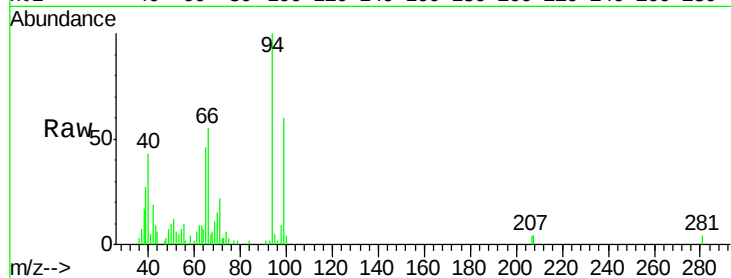
ClientSampled :

F6B53

Tgt Ion:	94	Resp:	34556
Ion Ratio	Lower	Upper	
94	100		
65	46.0	28.2	42.4#
66	54.7	47.2	70.8

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#28

Naphthalene

Concen: 36.681 ng/ul

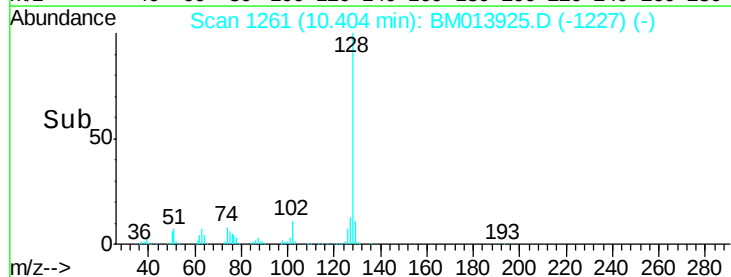
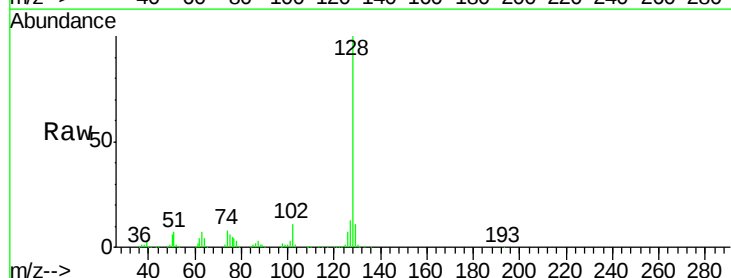
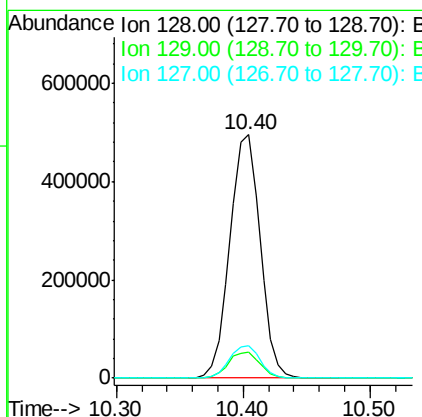
RT: 10.40 min Scan# 1261

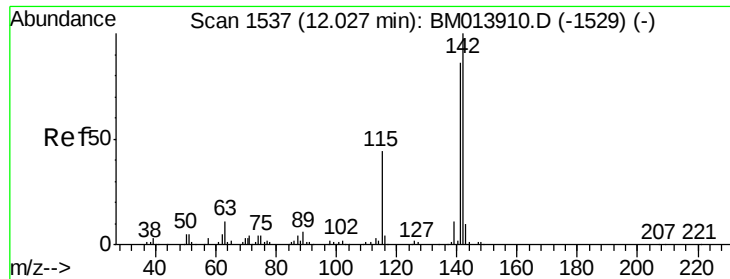
Delta R.T. 0.00 min

Lab File: BM013925.D

Acq: 28 Jan 2018 16:52

Tgt Ion:	128	Resp:	820393
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.8	13.2
127	13.4	10.6	16.0





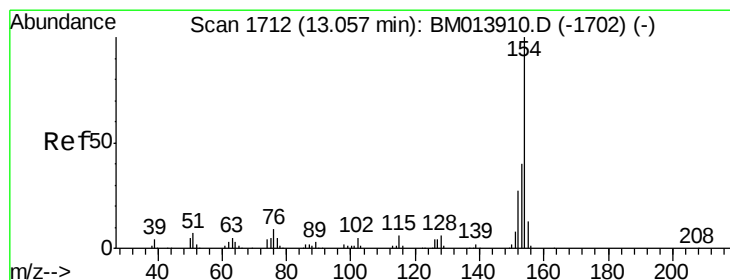
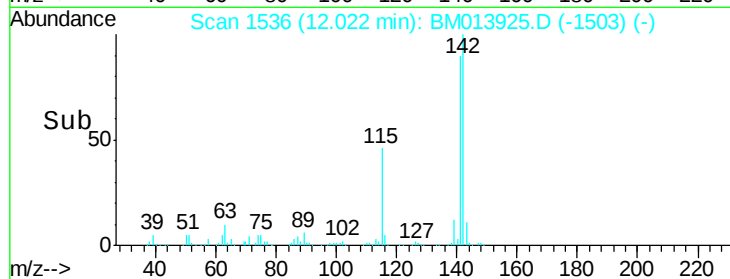
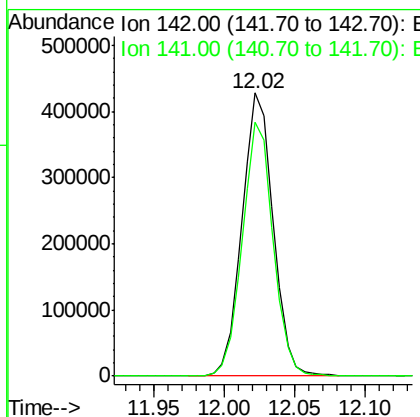
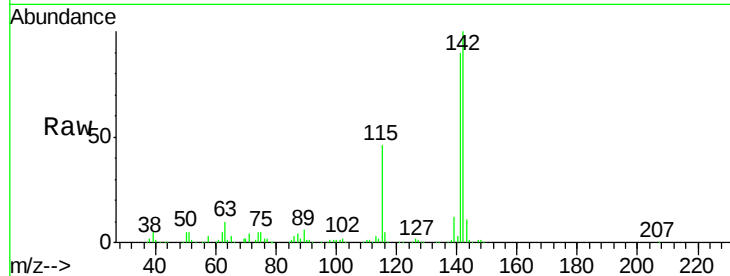
#34
 2-Methylnaphthalene
 Concen: 39.742 ng/ul
 RT: 12.02 min Scan# 1536
 Delta R.T. -0.01 min
 Lab File: BM013925.D
 Acq: 28 Jan 2018 16:52

Instrument :
 BNA_M
 ClientSampled :
 F6B53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	662693		
141	89.7	74.1	111.1	

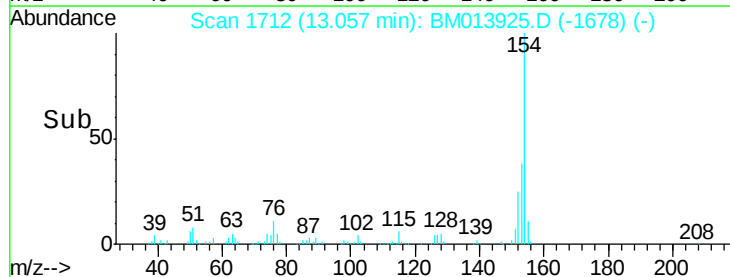
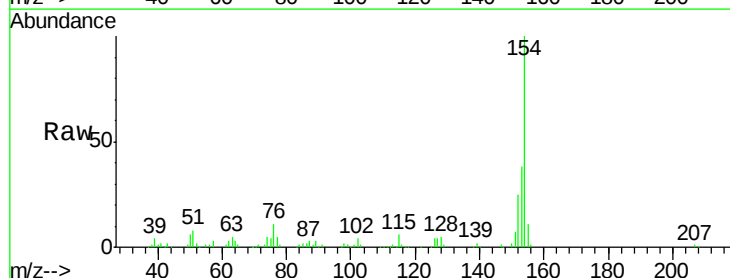
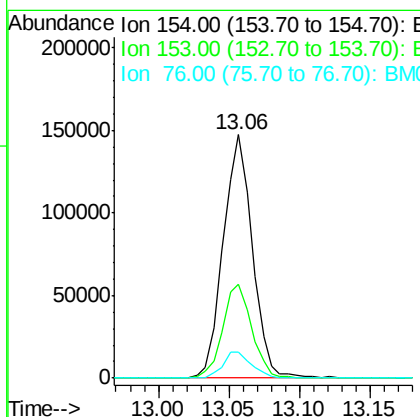
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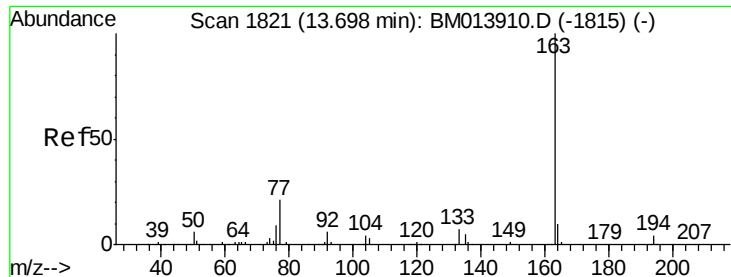
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#40
 1,1'-Biphenyl
 Concen: 9.563 ng/ul
 RT: 13.06 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BM013925.D
 Acq: 28 Jan 2018 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	212135		
153	38.3	32.6	48.8	
76	10.7	8.5	12.7	





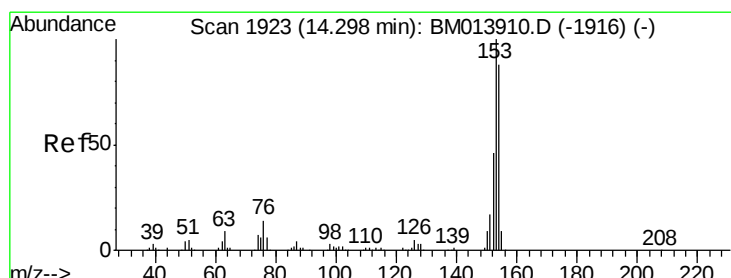
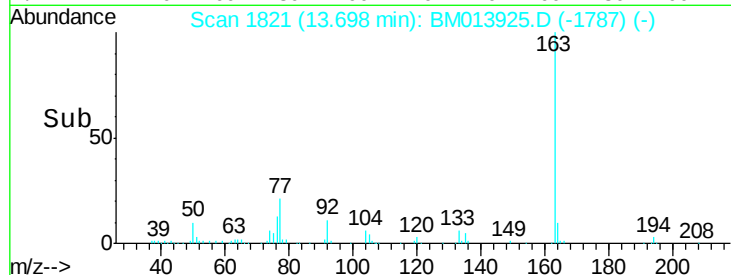
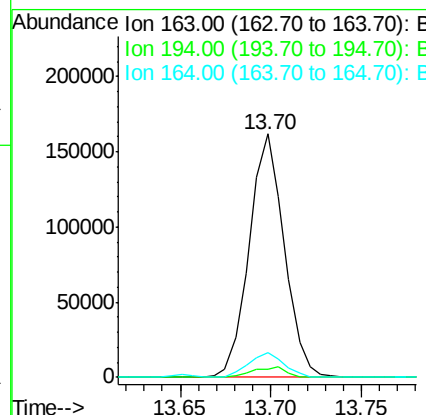
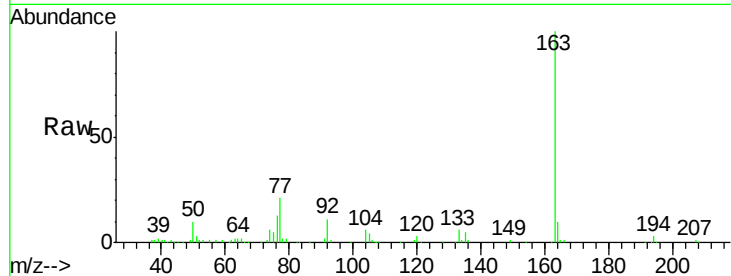
#44
Dimethylphthalate
Concen: 10.078 ng/ul
RT: 13.70 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BM013925.D
Acq: 28 Jan 2018 16:52

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	217651		
194	3.4	3.5	5.3#	
164	10.0	8.2	12.4	

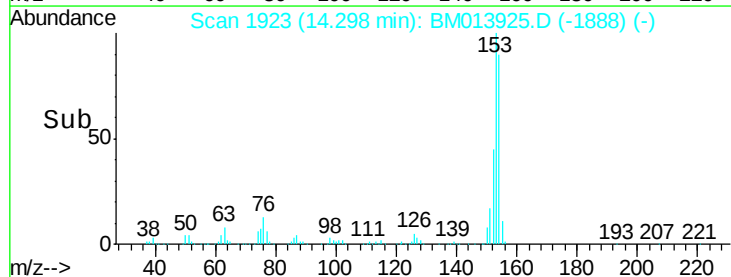
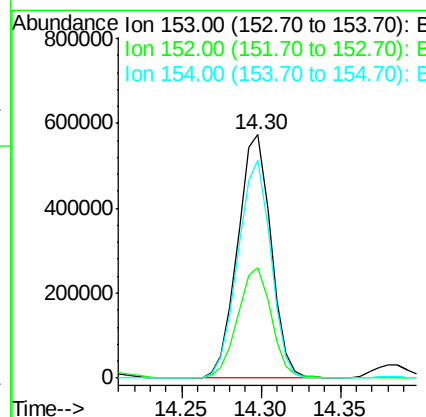
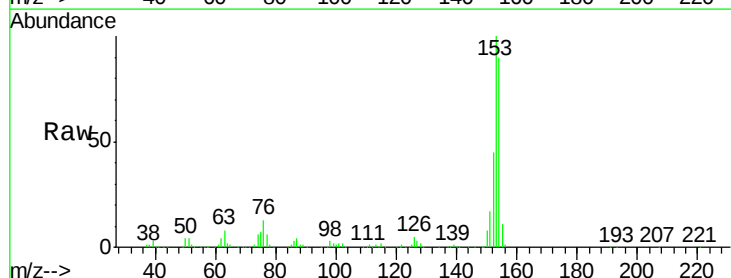
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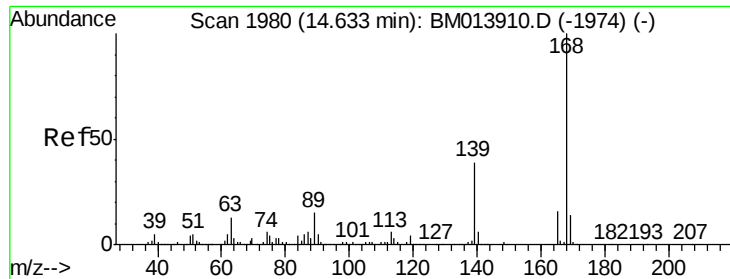
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#49
Acenaphthene
Concen: 47.191 ng/ul
RT: 14.30 min Scan# 1923
Delta R.T. 0.01 min
Lab File: BM013925.D
Acq: 28 Jan 2018 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	837597		
152	45.5	37.6	56.4	
154	89.7	70.4	105.6	





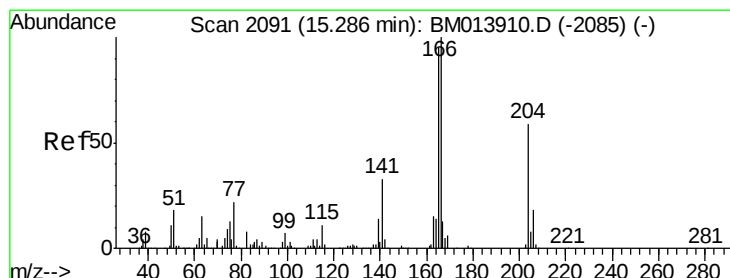
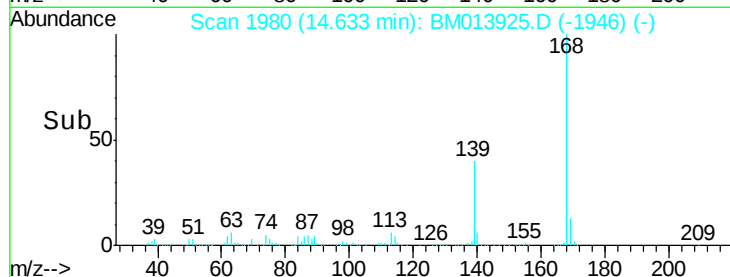
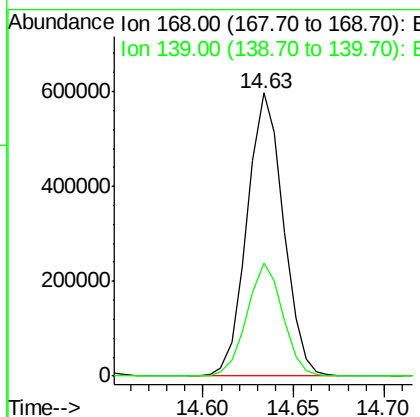
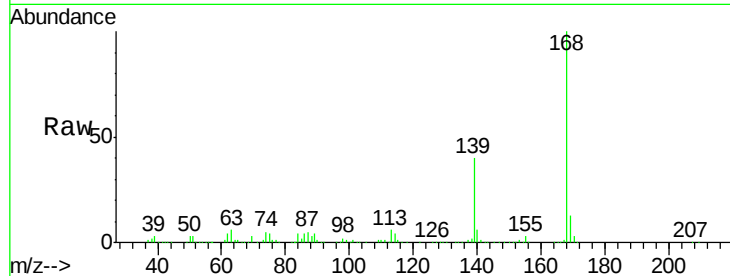
#53
Dibenzenofuran
Concen: 31.234 ng/ul
RT: 14.63 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BM013925.D
Acq: 28 Jan 2018 16:52

Instrument :
BNA_M
ClientSampleId :
F6B53

Tgt Ion:168 Resp: 833991
Ion Ratio Lower Upper
168 100
139 39.8 30.8 46.2

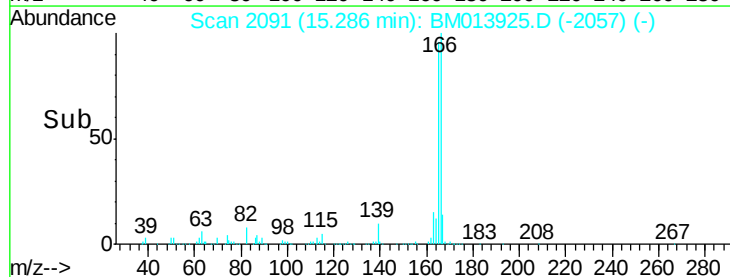
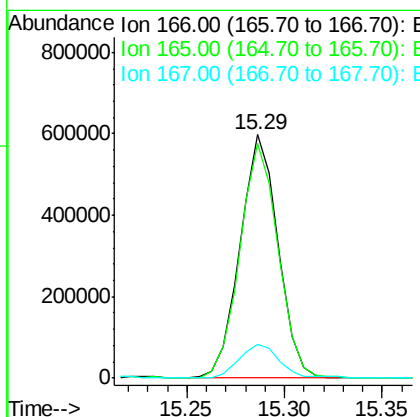
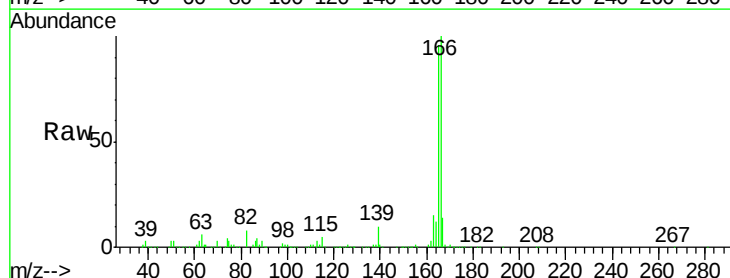
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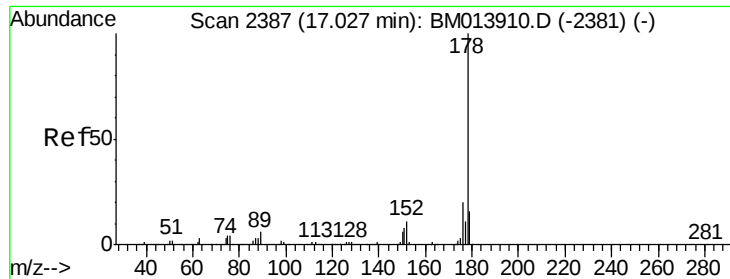
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#58
Fluorene
Concen: 36.759 ng/ul
RT: 15.29 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BM013925.D
Acq: 28 Jan 2018 16:52

Tgt Ion:166 Resp: 804000
Ion Ratio Lower Upper
166 100
165 96.5 77.9 116.9
167 14.0 10.6 16.0





#69

Phenanthrene

Concen: 114.214 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BM013925.D

Acq: 28 Jan 2018 16:52

Instrument :

BNA_M

ClientSampleId :

F6B53

Tgt Ion:178 Resp: 4041158

Ion Ratio Lower Upper

178 100

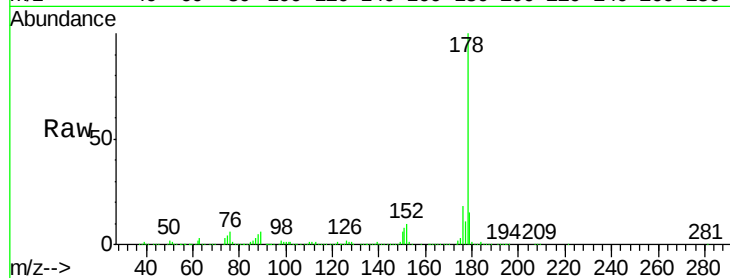
179 15.2 12.6 19.0

176 18.4 14.9 22.3

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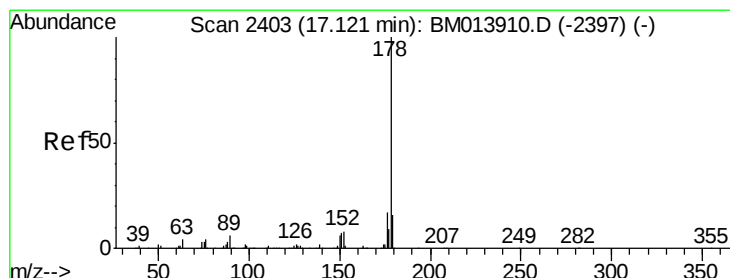
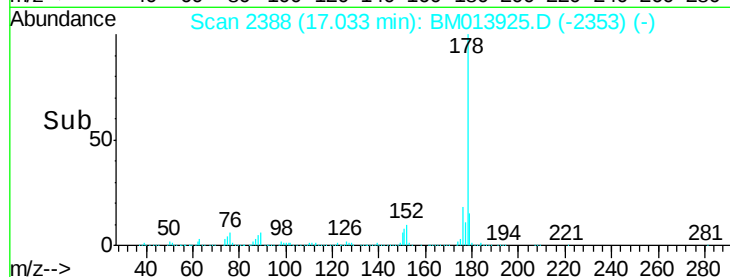
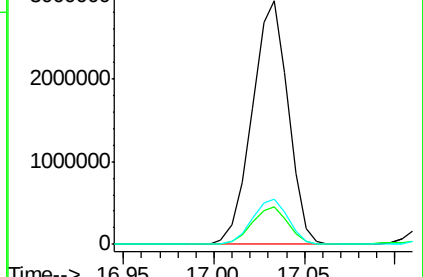
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 12.423 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BM013925.D

Acq: 28 Jan 2018 16:52

Tgt Ion:178 Resp: 453376

Ion Ratio Lower Upper

178 100

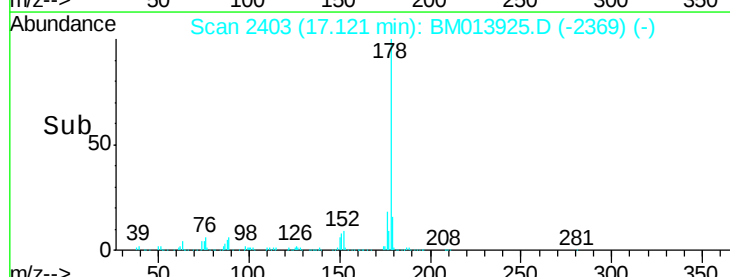
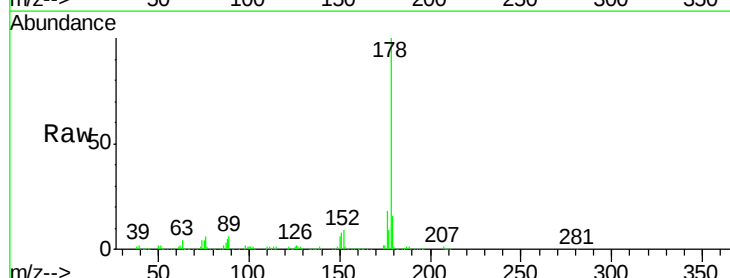
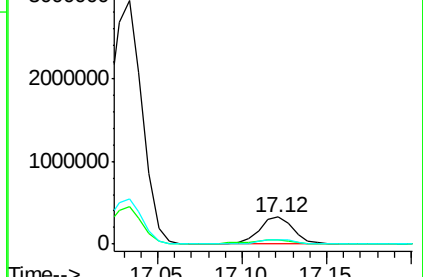
179 16.3 11.7 17.5

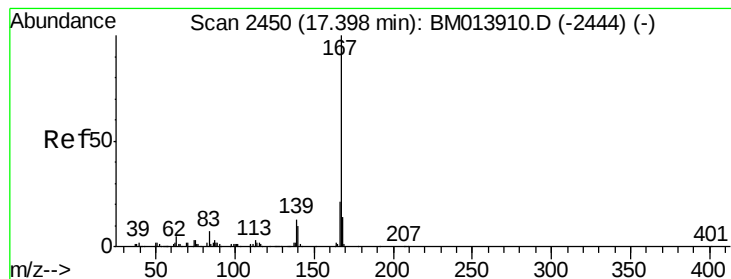
176 17.6 14.6 21.8

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: 4.409 ng/ul

RT: 17.40 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BM013925.D

Acq: 28 Jan 2018 16:52

Instrument :

BNA_M

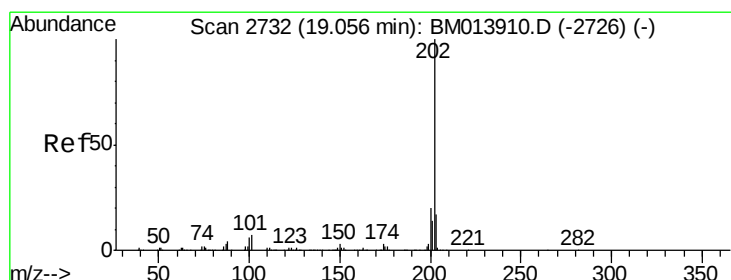
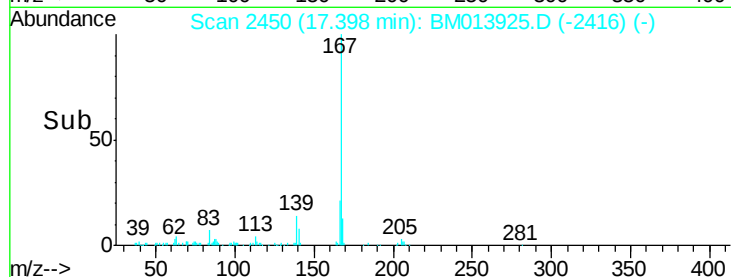
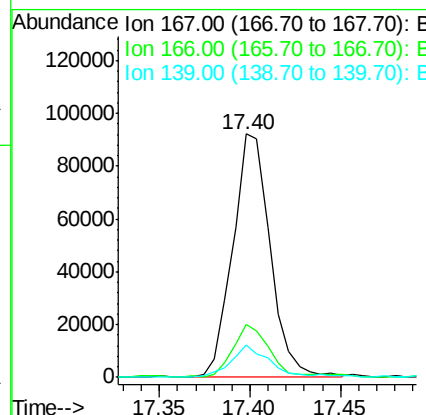
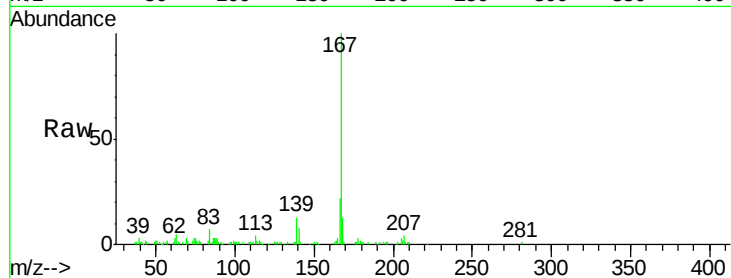
ClientSampleId :

F6B53

Tgt	Ion	167	Resp	132822
	Ratio		Lower	Upper
167	100			
166	22.0	17.1	25.7	
139	13.5	10.0	15.0	

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#74

Fluoranthene

Concen: 57.251 ng/ul

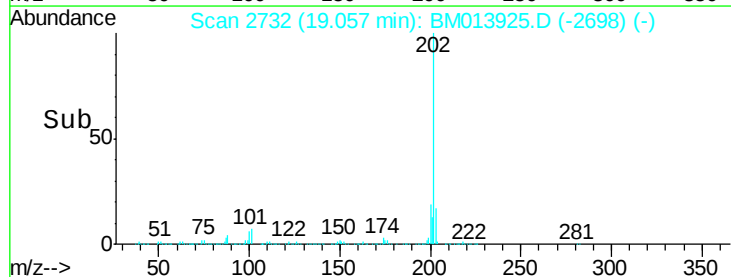
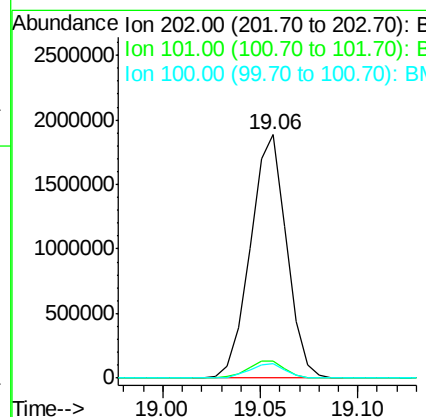
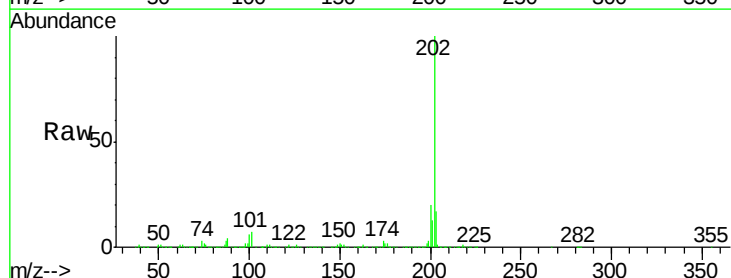
RT: 19.06 min Scan# 2732

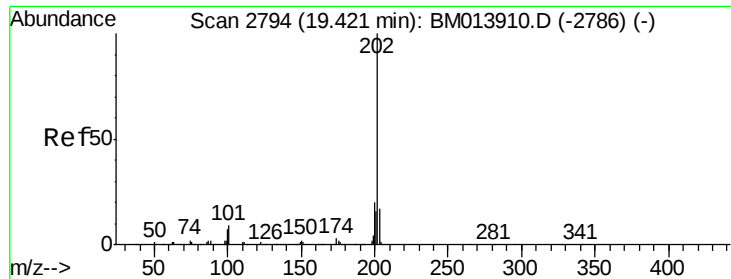
Delta R.T. 0.00 min

Lab File: BM013925.D

Acq: 28 Jan 2018 16:52

Tgt	Ion	202	Resp	2418004
	Ratio		Lower	Upper
202	100			
101	7.2	4.6	7.0#	
100	5.7	3.4	5.2#	





#77

Pyrene

Concen: 33.458 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BM013925.D

Acq: 28 Jan 2018 16:52

Instrument :

BNA_M

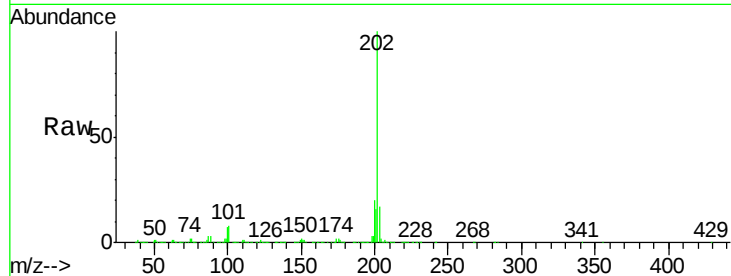
ClientSampled :

F6B53

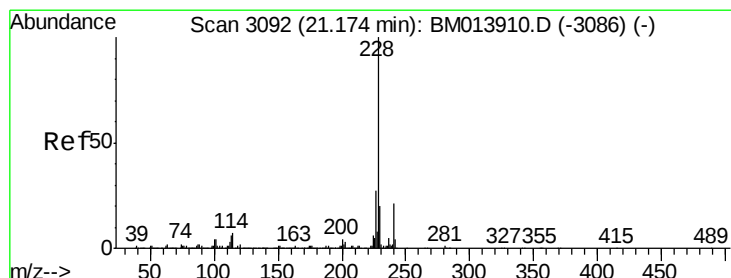
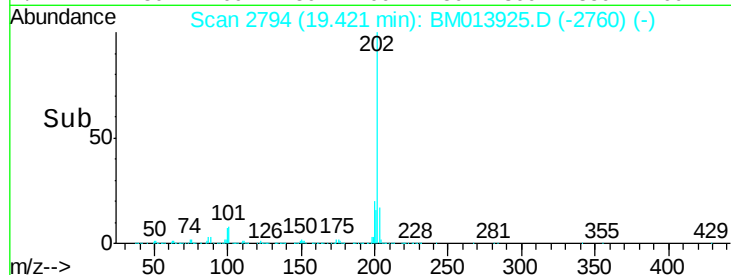
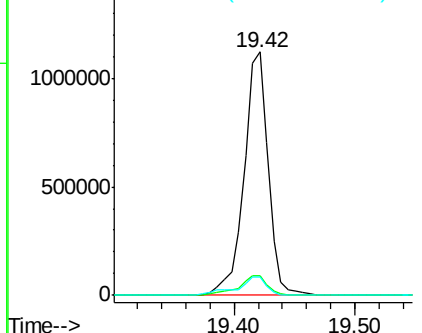
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	5.1	7.7#
100	7.3	4.9	7.3#

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1/29/2018 6:07:49 PM



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: 7.343 ng/ul

RT: 21.17 min Scan# 3092

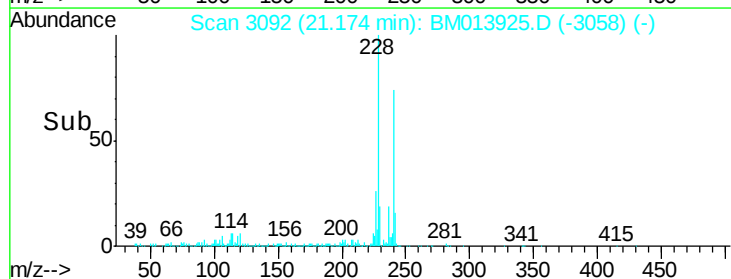
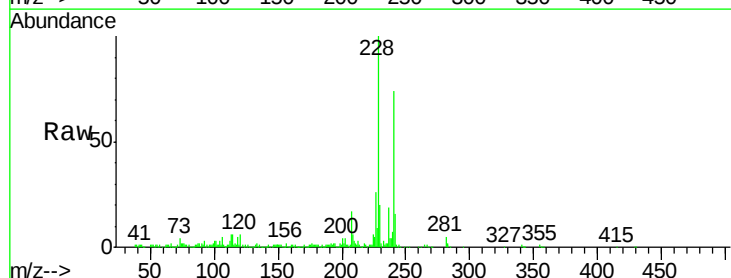
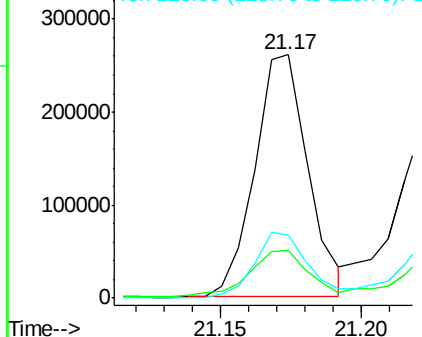
Delta R.T. 0.00 min

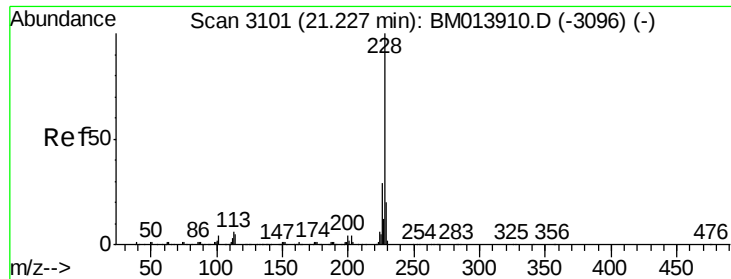
Lab File: BM013925.D

Acq: 28 Jan 2018 16:52

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.4	23.0
226	25.8	21.4	32.0

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 6.204 ng/u1

RT: 21.22 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BM013925.D

Acq: 28 Jan 2018 16:52

Instrument :

BNA_M

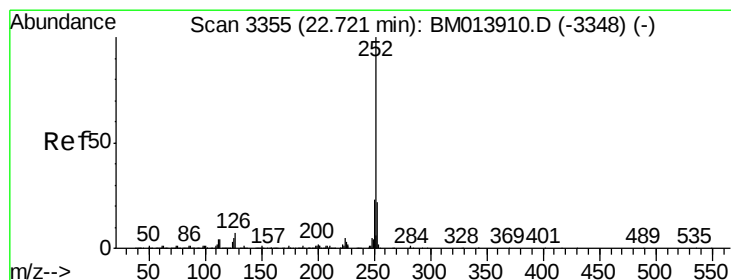
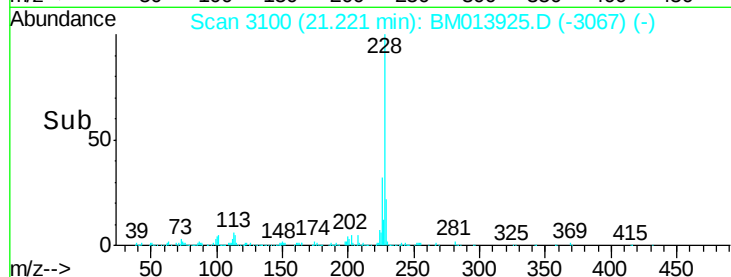
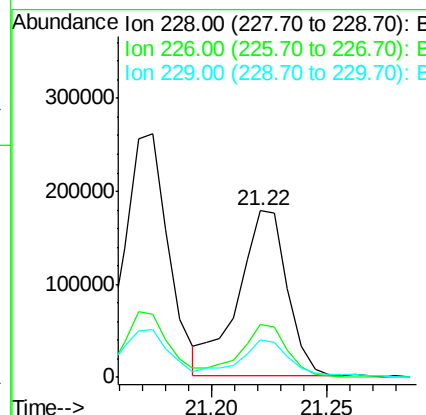
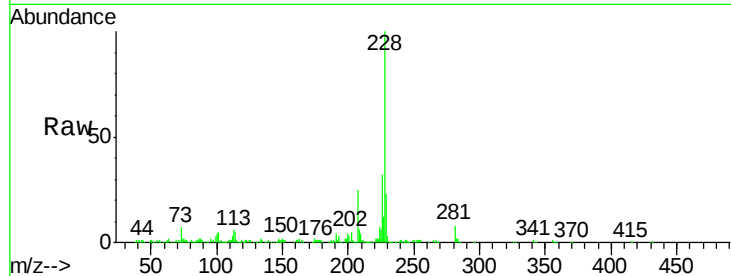
ClientSampleId :

F6B53

Tgt Ion:	228	Resp:	264963
Ion Ratio	Lower	Upper	
228	100		
226	31.8	23.4	35.2
229	22.9	15.5	23.3

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#85

Benzo(b)fluoranthene

Concen: 3.531 ng/u1

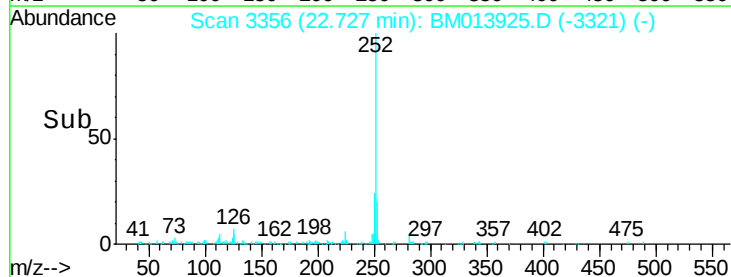
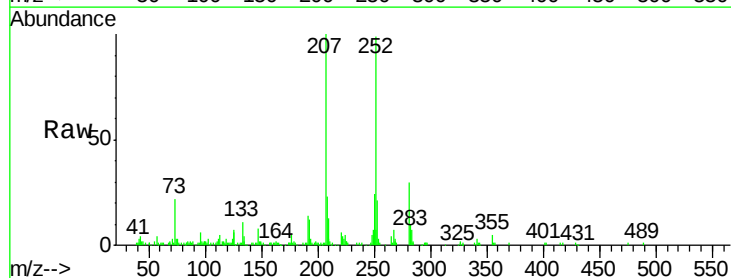
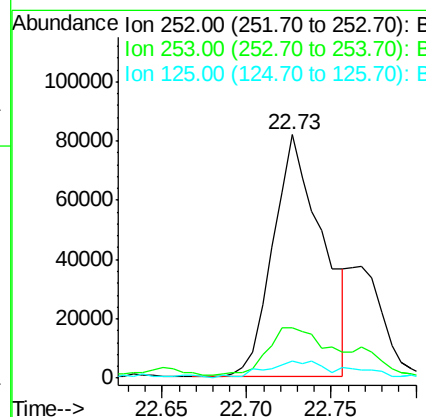
RT: 22.73 min Scan# 3356

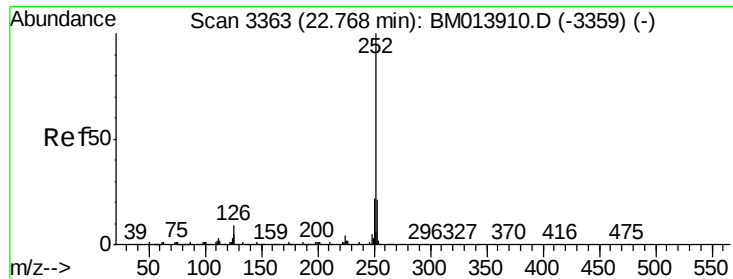
Delta R.T. 0.01 min

Lab File: BM013925.D

Acq: 28 Jan 2018 16:52

Tgt Ion:	252	Resp:	165981
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.9	26.9
125	7.2	3.6	5.4#





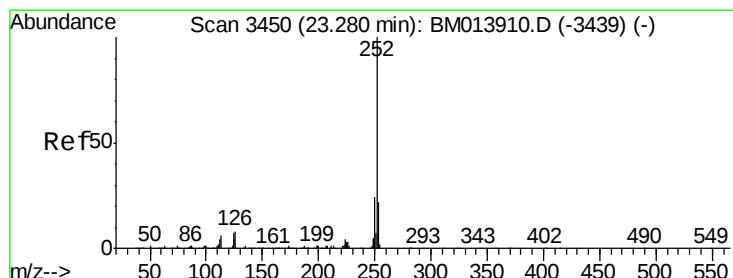
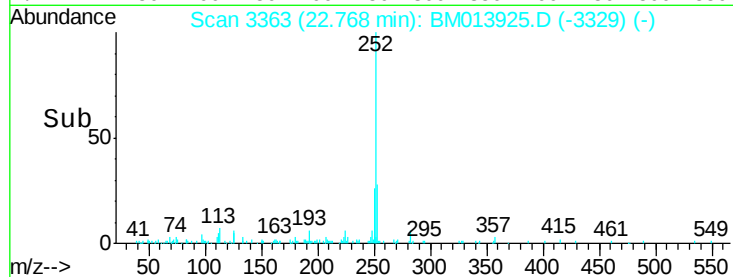
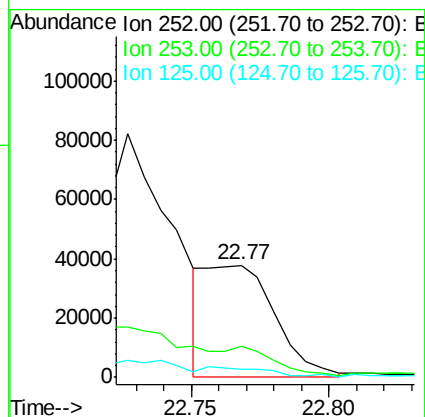
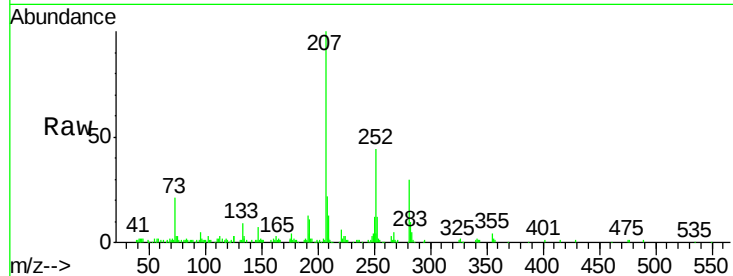
#86
Benzo(k)fluoranthene
Concen: 1.466 ng/ul m
RT: 22.77 min Scan# 3363
Delta R.T. 0.00 min
Lab File: BM013925.D
Acq: 28 Jan 2018 16:52

Instrument :
BNA_M
ClientSampleId :
F6B53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.1	25.7#
125	7.0	3.4	5.2#

Manual Integrations
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#88
Benzo(a)pyrene
Concen: 1.961 ng/ul
RT: 23.27 min Scan# 3449
Delta R.T. -0.01 min
Lab File: BM013925.D
Acq: 28 Jan 2018 16:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.2	27.2
125	7.3	4.0	6.0#

