

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121217\
 Data File : BM013344.D
 Acq On : 12 Dec 2017 18:13
 Operator : SJ/JU
 Sample : I6775-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A11

Manual Integrations
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Sohil
 12/13/2017 12:05:40 PM

Quant Time: Dec 13 02:02:09 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 01:37:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	185875	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	832156	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	518048	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	1244901	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1250878	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	1002319	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	21976	5.86	ng/uL	0.00
5) Phenol-d5	6.87	99	629455	39.14	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.03	67	316700	34.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	490287	39.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	544031	39.60	ng/ul	0.01
19) Nitrobenzene-d5	8.84	128	241474	36.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	278031	39.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	562658	38.66	ng/ul	0.02
29) 4-Chloroaniline-d4	10.62	131	86384	6.46	ng/ul	0.01
43) Dimethylphthalate-d6	13.75	166	1696840	36.81	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	2141787	37.65	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	304621m	38.03	ng/ul	0.03
57) Fluorene-d10	15.33	176	1526000	38.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	166386	21.25	ng/ul	0.00
70) Anthracene-d10	17.19	188	2404242	38.56	ng/ul	0.01
76) Pyrene-d10	19.49	212	2764987	44.37	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.36	264	1953435	38.26	ng/ul	0.00
Target Compounds						
6) Phenol	6.90	94	120062	7.552	ng/ul	90
24) 2,4-Dimethylphenol	9.70	107	25074m	1.570	ng/ul	
28) Naphthalene	10.53	128	24540353m	573.192	ng/ul	
34) 2-Methylnaphthalene	12.13	142	230854	7.173	ng/ul	96
40) 1,1'-Biphenyl	13.16	154	346072	7.904	ng/ul#	95
44) Dimethylphthalate	13.80	163	252797	5.733	ng/ul	99
47) Acenaphthylene	14.05	152	457117	8.683	ng/ul#	96
49) Acenaphthene	14.40	153	5492968	153.167	ng/ul	97
53) Dibenzofuran	14.73	168	3385426	63.945	ng/ul	99
58) Fluorene	15.39	166	4105238	93.731	ng/ul	97
68) Pentachlorophenol	16.74	266	41054	4.398	ng/ul	97
69) Phenanthrene	17.13	178	14861809m	210.135	ng/ul	
71) Anthracene	17.22	178	1434600	19.844	ng/ul	97
72) Carbazole	17.50	167	8846028	142.261	ng/ul	100
74) Fluoranthene	19.17	202	2677509	30.893	ng/ul#	93
77) Pyrene	19.52	202	1768885	23.277	ng/ul#	93
80) Benzo(a)anthracene	21.26	228	349643	4.405	ng/ul	98
82) Chrysene	21.31	228	270933	3.680	ng/ul	97

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

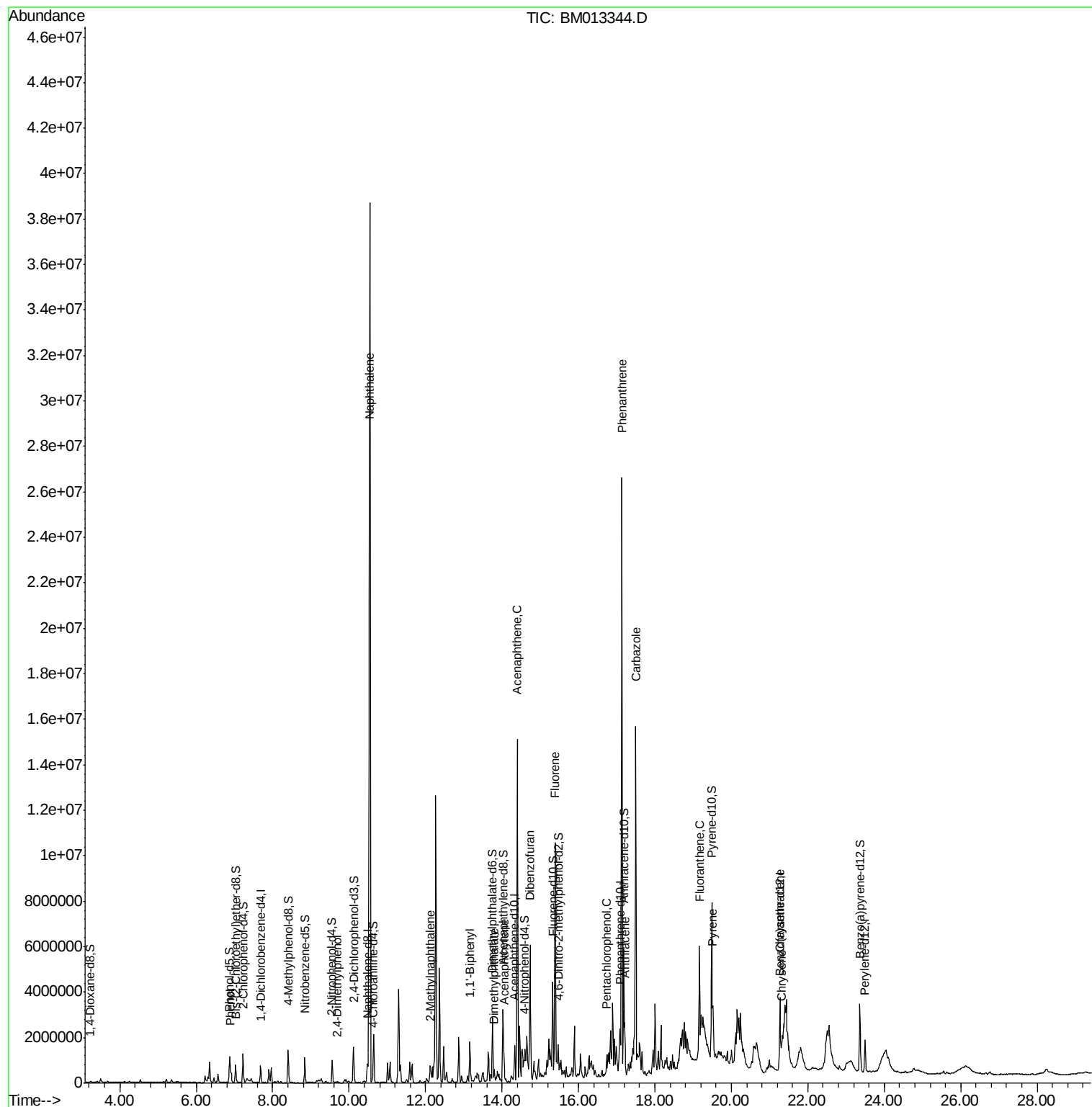
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121217\
Data File : BM013344.D
Acq On : 12 Dec 2017 18:13
Operator : SJ/JU
Sample : I6775-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

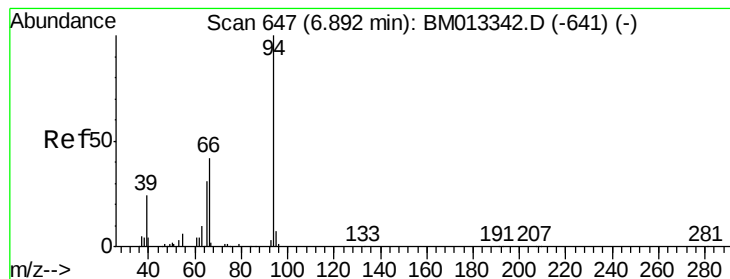
Instrument :
BNA_M
ClientSampleId :
F9A11

Quant Time: Dec 13 02:02:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 13 01:37:55 2017
Response via : Initial Calibration

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#6

Phenol

Concen: 7.552 ng/ul

RT: 6.90 min Scan# 648

Delta R.T. 0.01 min

Lab File: BM013344.D

Acq: 12 Dec 2017 18:13

Instrument :

BNA_M

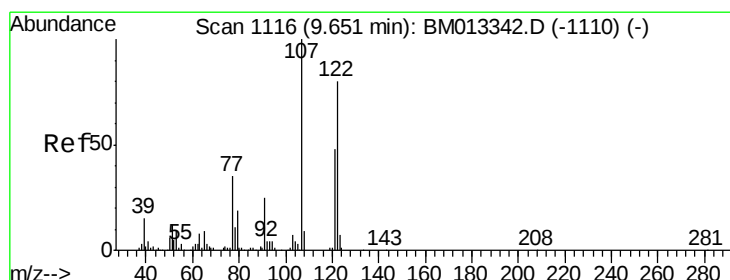
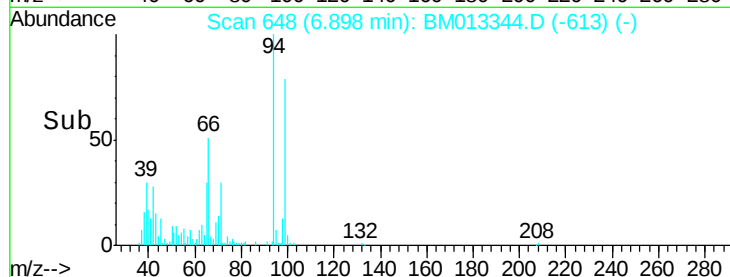
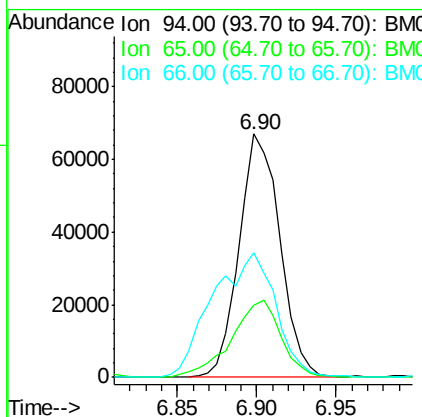
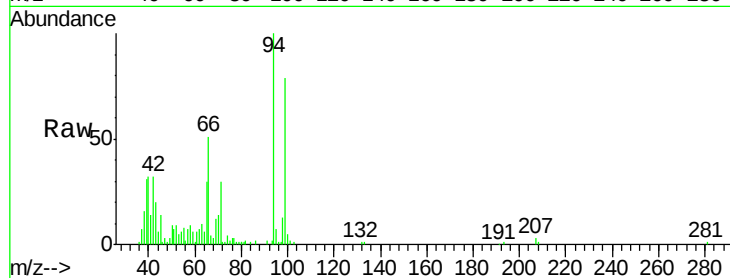
ClientSampled :

F9A11

Tot Ion:	94	Resp:	120062
Ion Ratio	Lower	Upper	
94	100		
65	29.8	28.2	42.4
66	51.3	47.2	70.8

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#24

2,4-Dimethylphenol

Concen: 1.570 ng/ul m

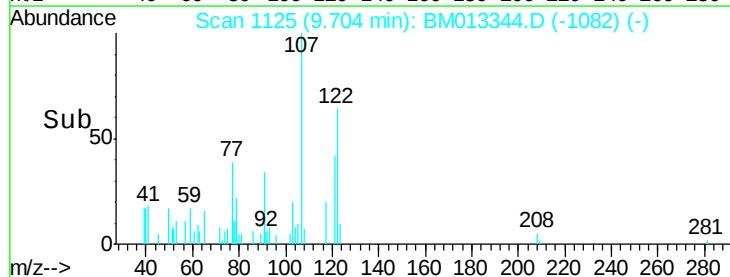
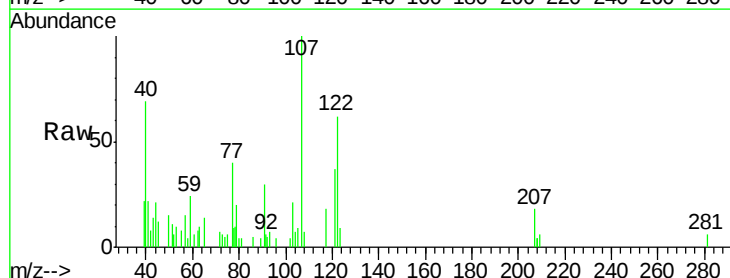
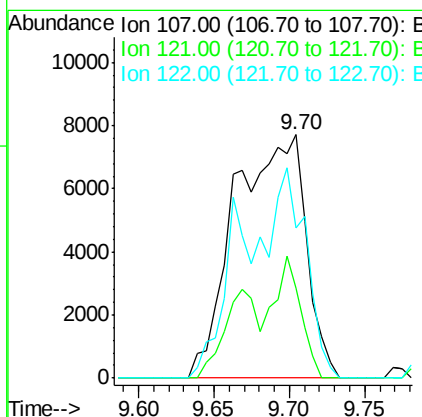
RT: 9.70 min Scan# 1125

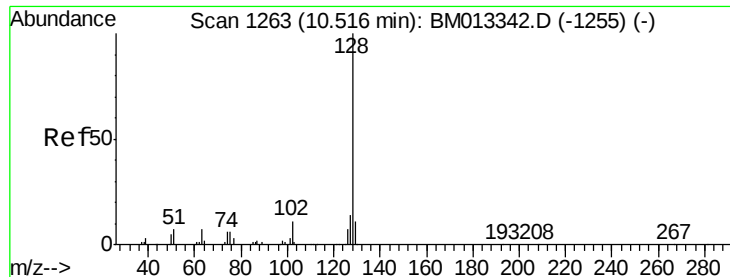
Delta R.T. 0.05 min

Lab File: BM013344.D

Acq: 12 Dec 2017 18:13

Tgt Ion:	107	Resp:	25074
Ion Ratio	Lower	Upper	
107	100		
121	37.1	31.9	47.9
122	61.5	57.8	86.6





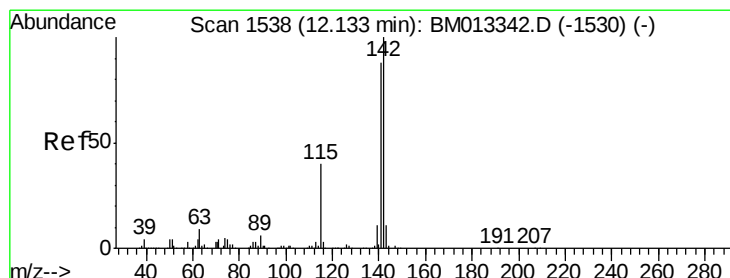
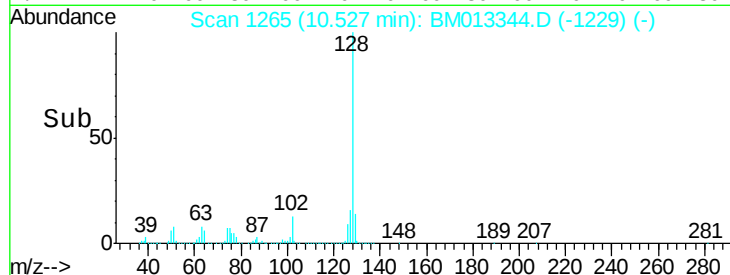
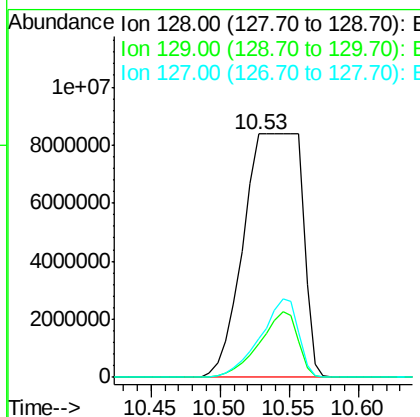
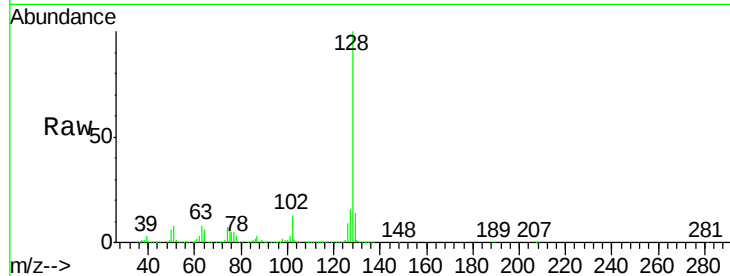
#28
Naphthalene
Concen: 573.192 ng/ul m
RT: 10.53 min Scan# 1265
Delta R.T. 0.01 min
Lab File: BM013344.D
Acq: 12 Dec 2017 18:13

Instrument :
BNA_M
ClientSampled :
F9A11

Tot Ion:128 Resp:24540353
Ion Ratio Lower Upper
128 100
129 13.7 8.8 13.2#
127 15.7 10.6 16.0

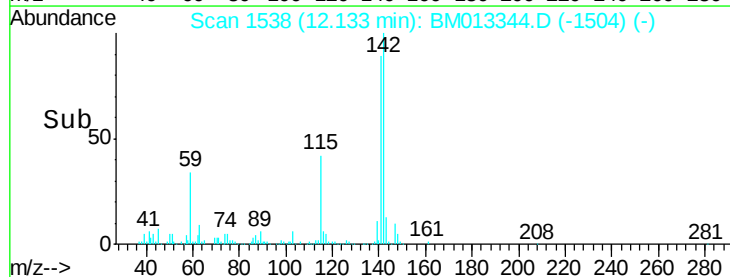
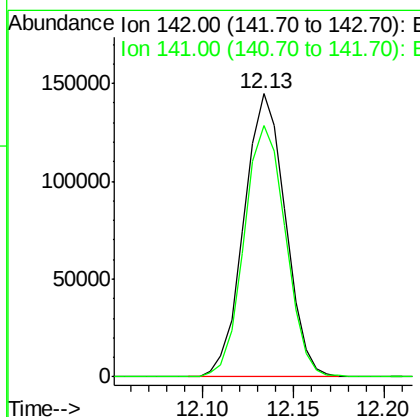
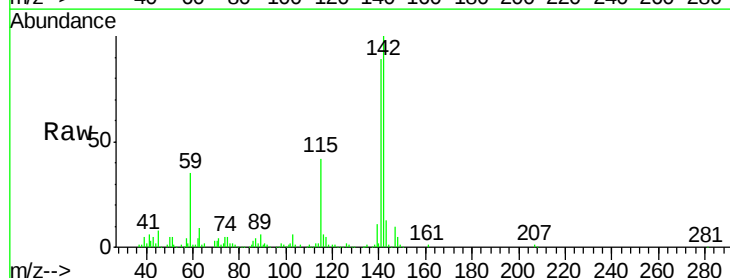
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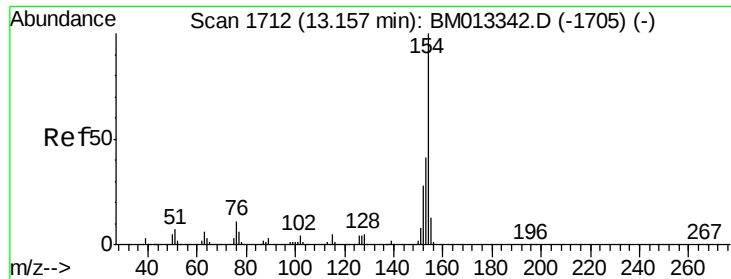
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#34
2-Methylnaphthalene
Concen: 7.173 ng/ul
RT: 12.13 min Scan# 1538
Delta R.T. -0.00 min
Lab File: BM013344.D
Acq: 12 Dec 2017 18:13

Tgt Ion:142 Resp: 230854
Ion Ratio Lower Upper
142 100
141 88.7 74.1 111.1





#40

1,1'-Biphenyl

Concen: 7.904 ng/ul

RT: 13.16 min Scan# 1712

Delta R.T. -0.00 min

Lab File: BM013344.D

Acq: 12 Dec 2017 18:13

Instrument :

BNA_M

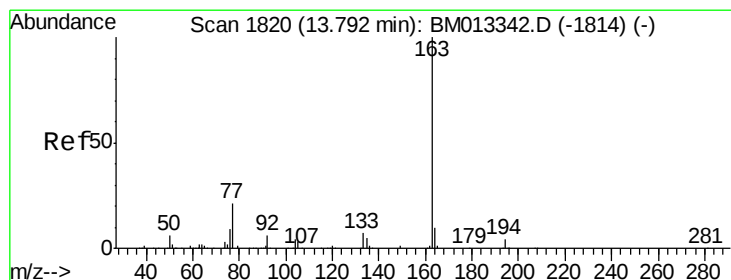
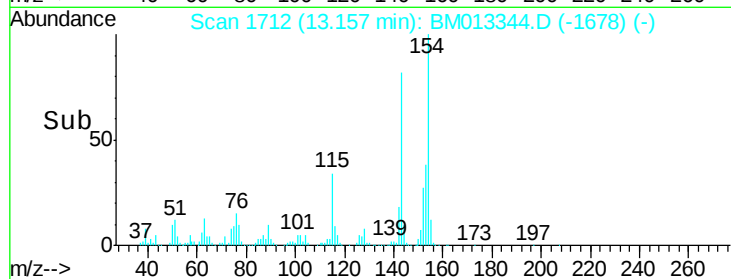
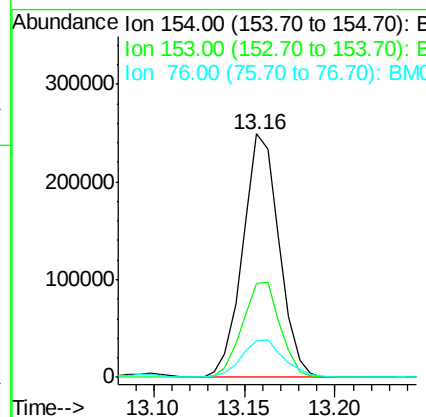
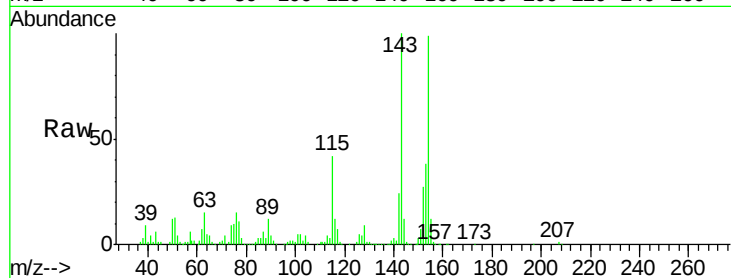
ClientSampleId :

F9A11

Tot Ion:	154	Resp:	346072
Ion Ratio	Lower	Upper	
154	100		
153	38.4	32.6	48.8
76	15.0	8.5	12.7#

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#44

Dimethylphthalate

Concen: 5.733 ng/ul

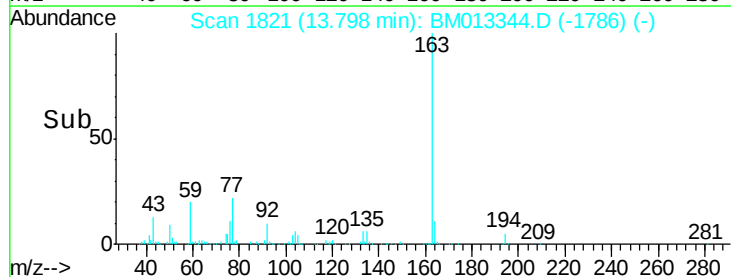
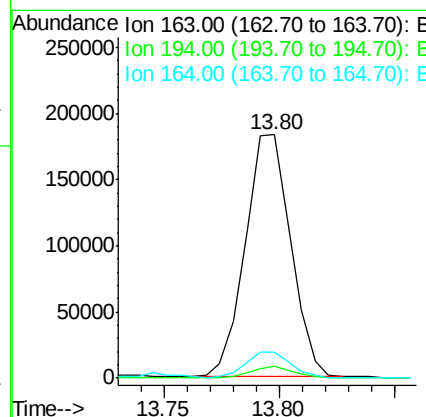
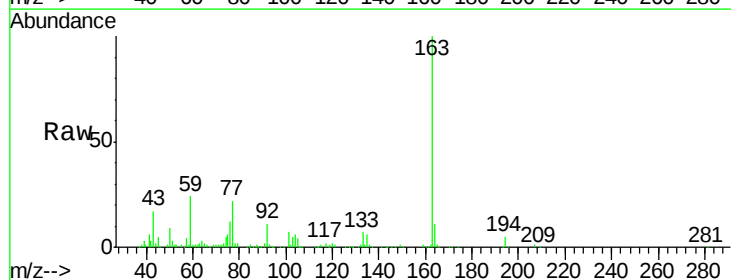
RT: 13.80 min Scan# 1821

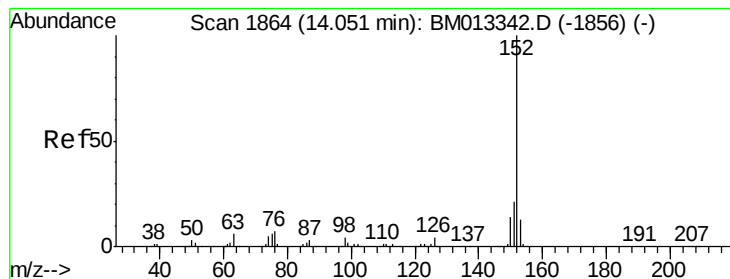
Delta R.T. 0.01 min

Lab File: BM013344.D

Acq: 12 Dec 2017 18:13

Tgt Ion:	163	Resp:	252797
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.5	5.3
164	10.7	8.2	12.4





#47

Acenaphthylene

Concen: 8.683 ng/ul

RT: 14.05 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BM013344.D

Acq: 12 Dec 2017 18:13

Instrument :

BNA_M

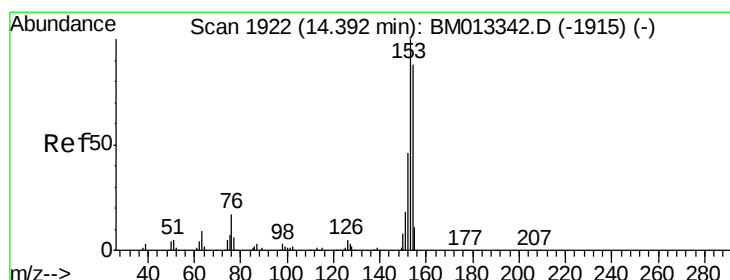
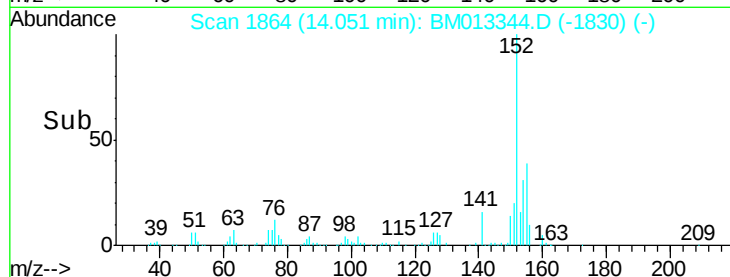
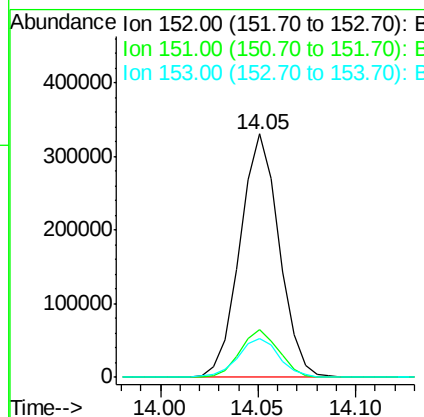
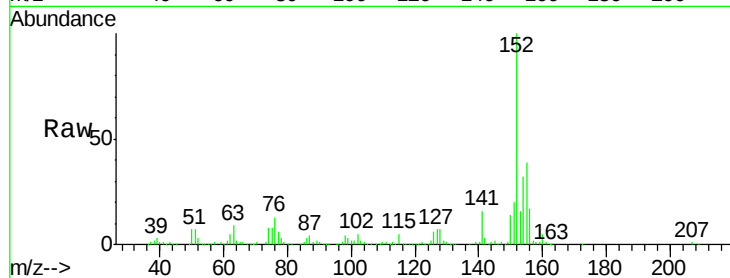
ClientSampleId :

F9A11

Tot Ion:	152	Resp:	457117
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.3	24.5
153	15.8	10.2	15.4#

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#49

Acenaphthene

Concen: 153.167 ng/ul

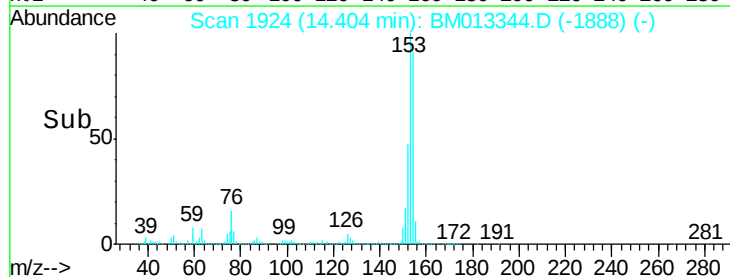
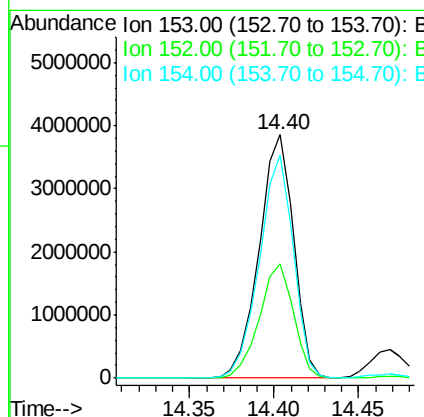
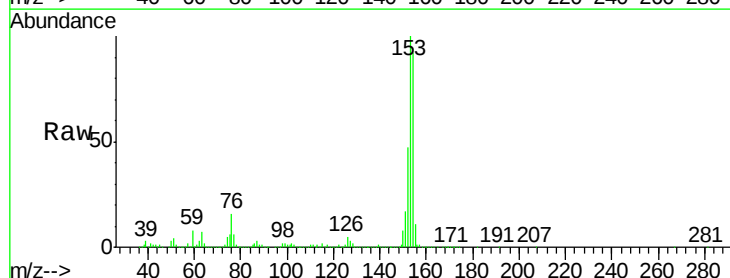
RT: 14.40 min Scan# 1924

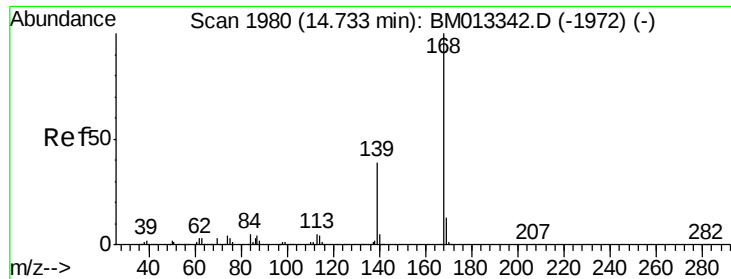
Delta R.T. 0.01 min

Lab File: BM013344.D

Acq: 12 Dec 2017 18:13

Tgt Ion:	153	Resp:	5492968
Ion Ratio	Lower	Upper	
153	100		
152	46.7	37.6	56.4
154	91.5	70.4	105.6





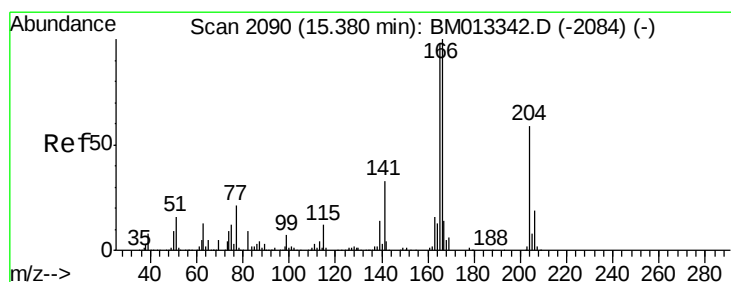
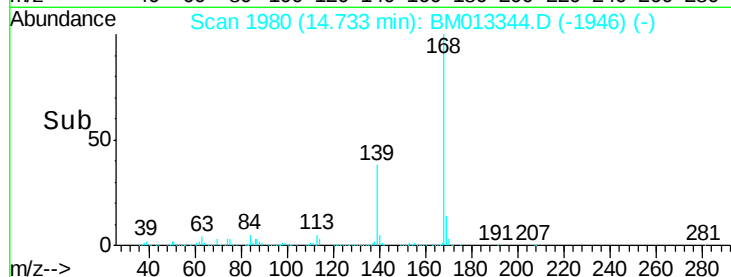
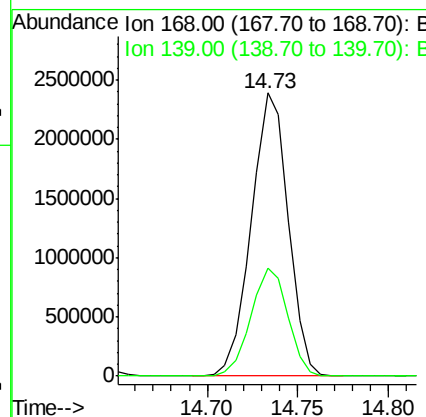
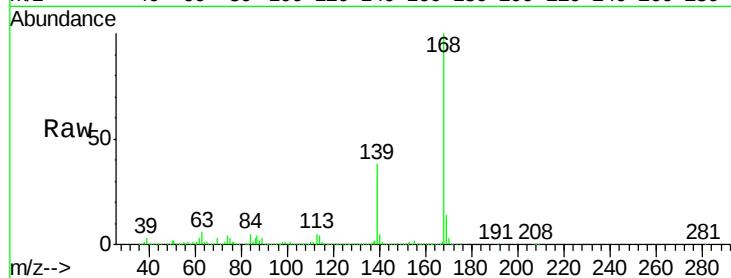
#53
Dibenzenofuran
Concen: 63.945 ng/ul
RT: 14.73 min Scan# 1980
Delta R.T. -0.00 min
Lab File: BM013344.D
Acq: 12 Dec 2017 18:13

Instrument :
BNA_M
ClientSampled :
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Tot Ion:168 Resp: 3385426
Ion Ratio Lower Upper
168 100
139 38.0 30.8 46.2

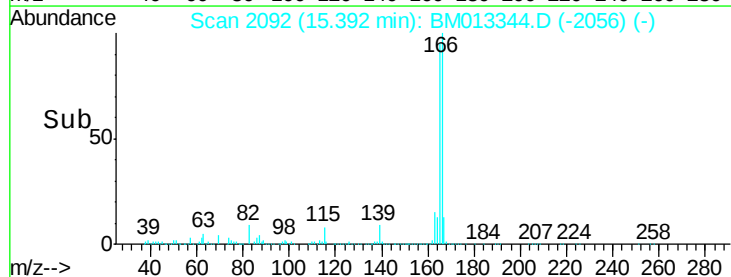
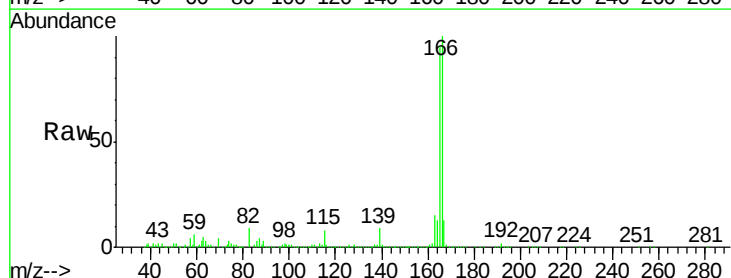
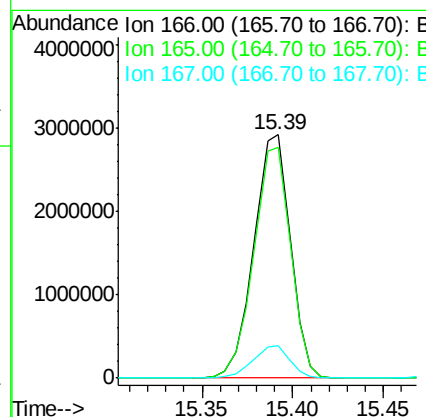
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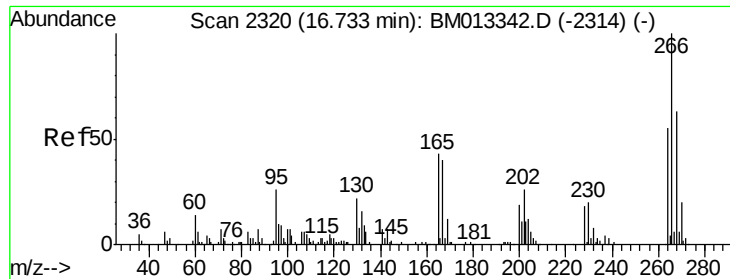
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#58
Fluorene
Concen: 93.731 ng/ul
RT: 15.39 min Scan# 2092
Delta R.T. 0.01 min
Lab File: BM013344.D
Acq: 12 Dec 2017 18:13

Tgt Ion:166 Resp: 4105238
Ion Ratio Lower Upper
166 100
165 94.6 77.9 116.9
167 13.1 10.6 16.0





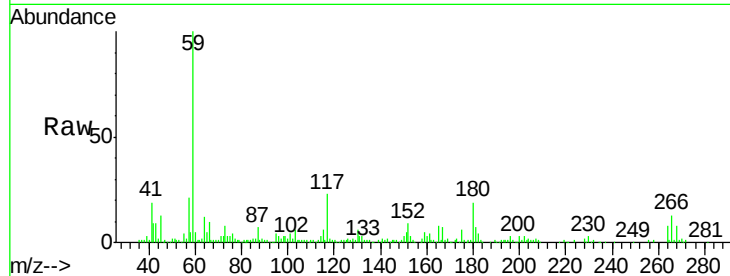
#68
 Pentachlorophenol
 Concen: 4.398 ng/ul
 RT: 16.74 min Scan# 2321
 Delta R.T. 0.01 min
 Lab File: BM013344.D
 Acq: 12 Dec 2017 18:13

Instrument :
 BNA_M
 ClientSampleId :
 F9A11

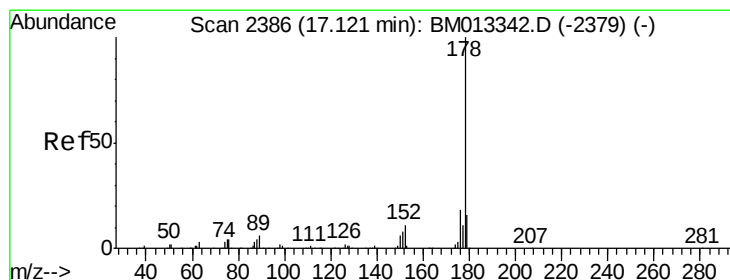
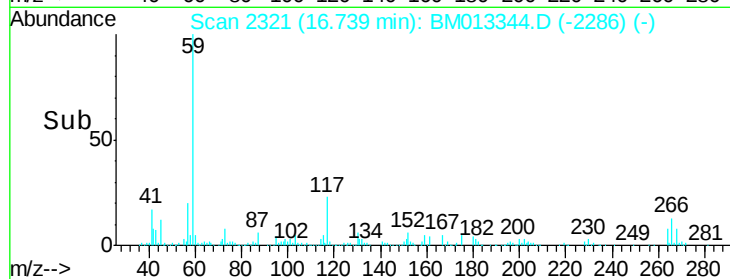
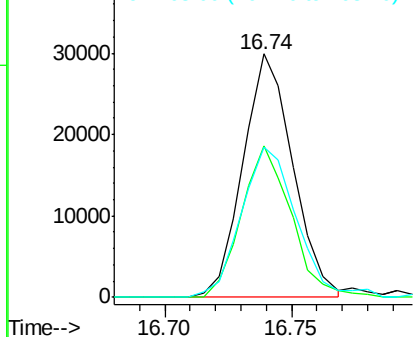
Tot Ion	Ratio	Lower	Upper
266	100		
264	62.0	49.3	73.9
268	61.7	52.6	78.8

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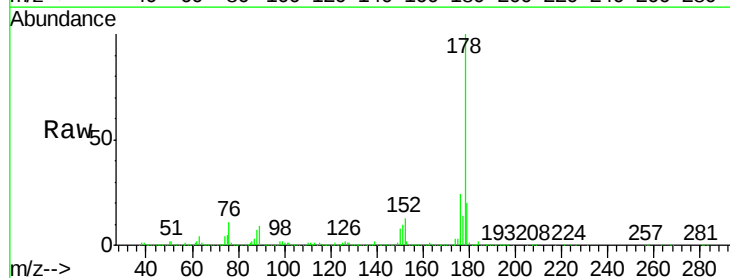


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

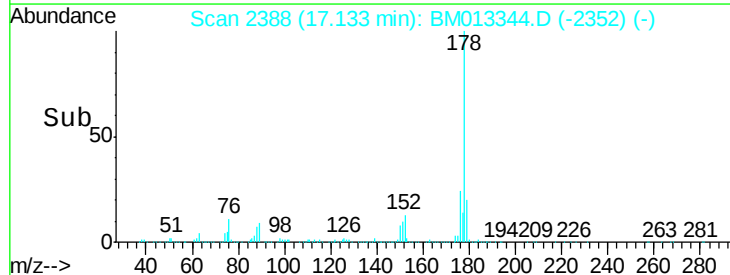
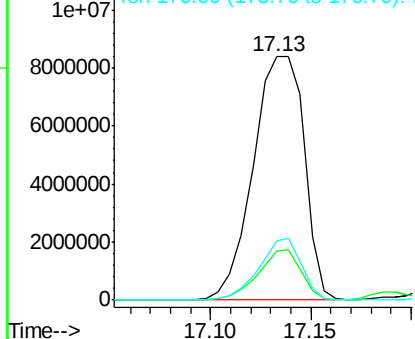


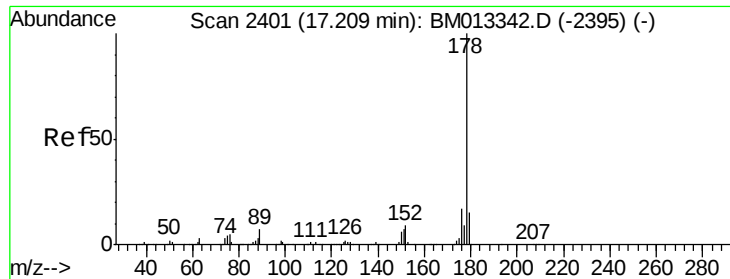
#69
 Phenanthrene
 Concen: 210.135 ng/ul m
 RT: 17.13 min Scan# 2388
 Delta R.T. 0.01 min
 Lab File: BM013344.D
 Acq: 12 Dec 2017 18:13

Tgt Ion	Ratio	Lower	Upper
178	100		
179	20.1	12.6	19.0#
176	24.4	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





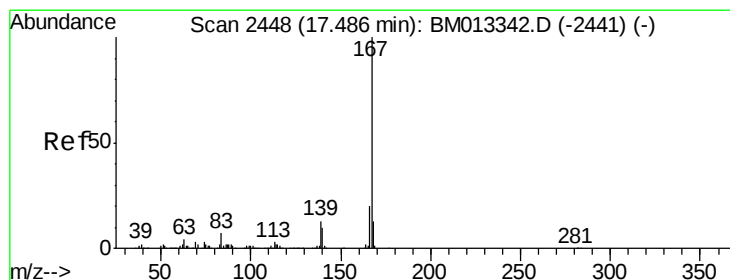
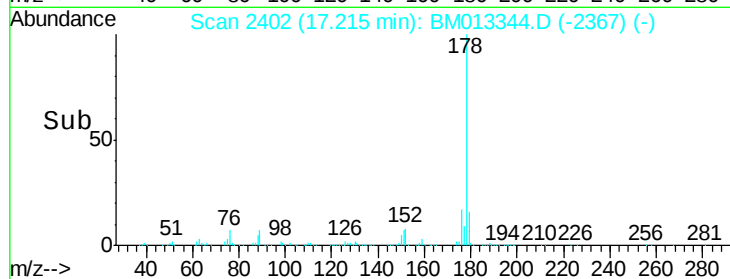
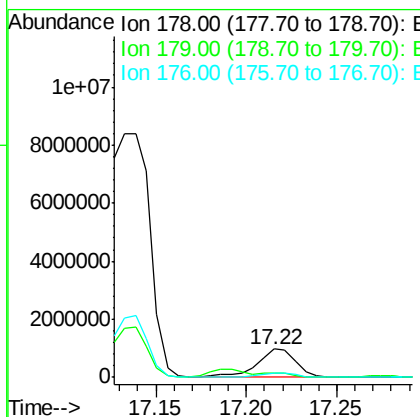
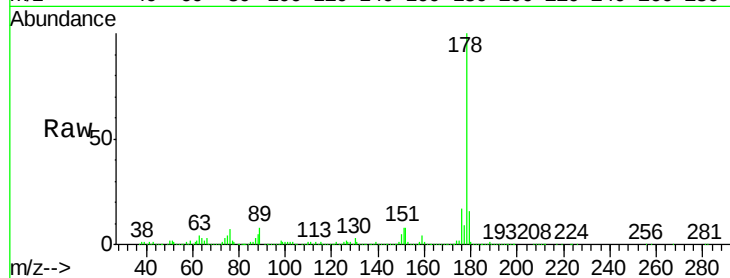
#71
 Anthracene
 Concen: 19.844 ng/ul
 RT: 17.22 min Scan# 2402
 Delta R.T. 0.01 min
 Lab File: BM013344.D
 Acq: 12 Dec 2017 18:13

Instrument :
 BNA_M
 ClientSampled :
 F9A11

Tot Ion:178 Resp: 1434600
 Ion Ratio Lower Upper
 178 100
 179 16.0 11.7 17.5
 176 17.3 14.6 21.8

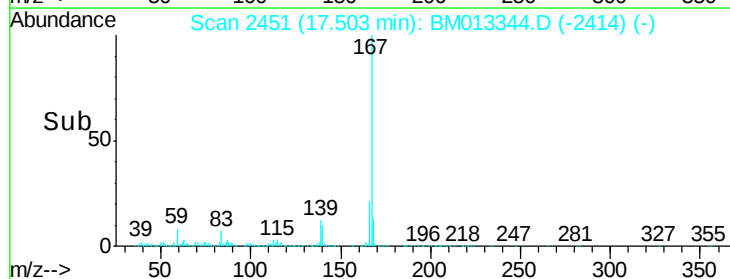
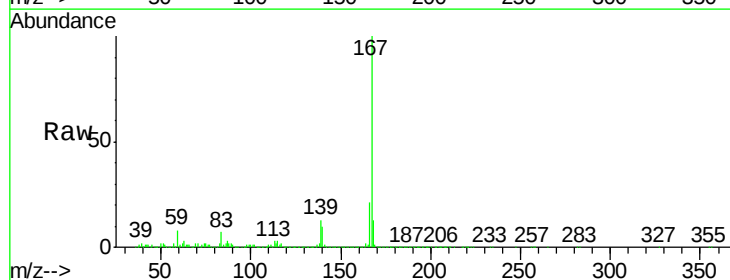
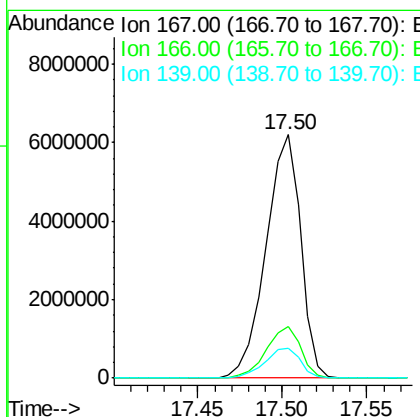
Manual Integrations
 APPROVED

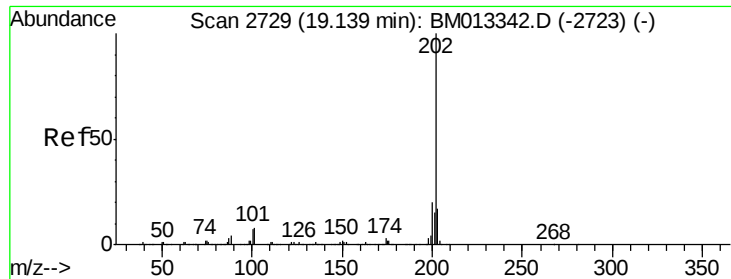
Sohil
 12/13/2017 12:05:40 PM



#72
 Carbazole
 Concen: 142.261 ng/ul
 RT: 17.50 min Scan# 2451
 Delta R.T. 0.02 min
 Lab File: BM013344.D
 Acq: 12 Dec 2017 18:13

Tgt Ion:167 Resp: 8846028
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.1 25.7
 139 12.5 10.0 15.0





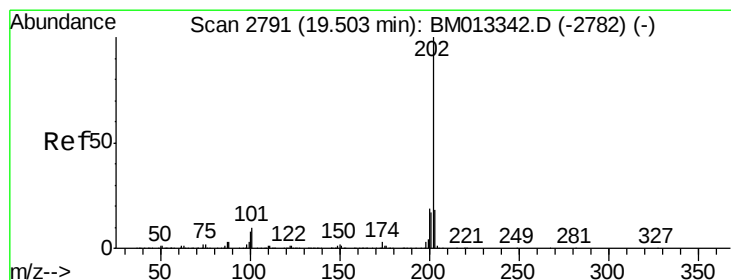
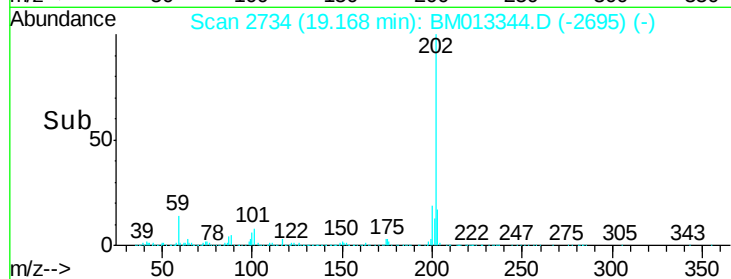
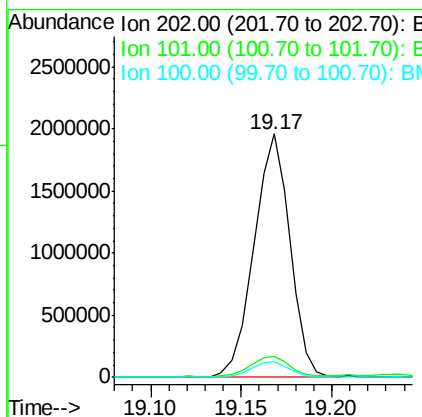
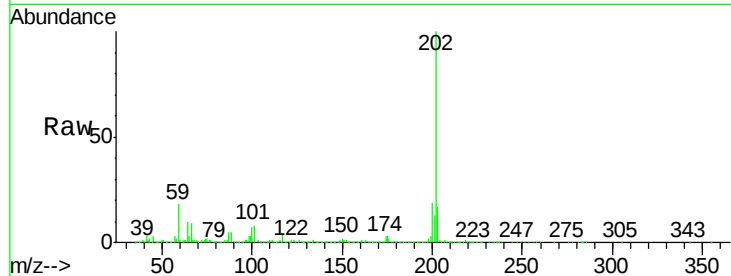
#74
 Fluoranthene
 Concen: 30.893 ng/ul
 RT: 19.17 min Scan# 2734
 Delta R.T. 0.03 min
 Lab File: BM013344.D
 Acq: 12 Dec 2017 18:13

Instrument :
 BNA_M
 ClientSampled :
 F9A11

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.4	4.6	7.0#
100	6.6	3.4	5.2#

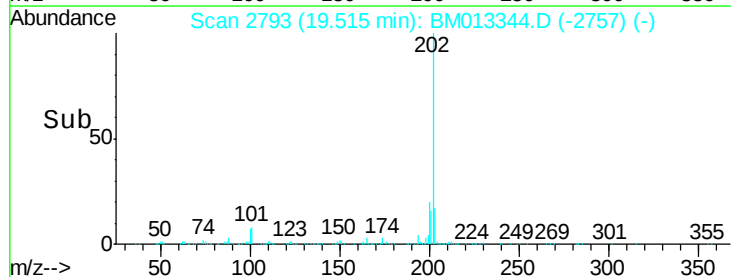
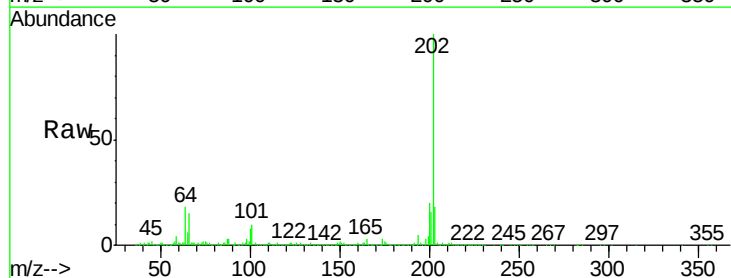
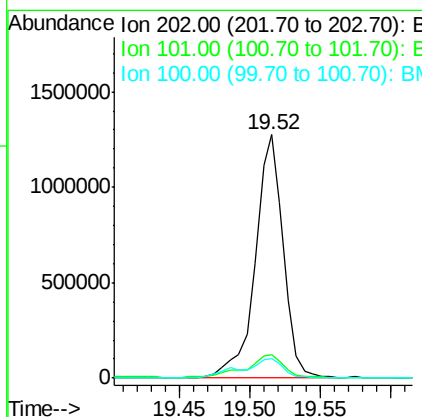
Manual Integrations
 APPROVED

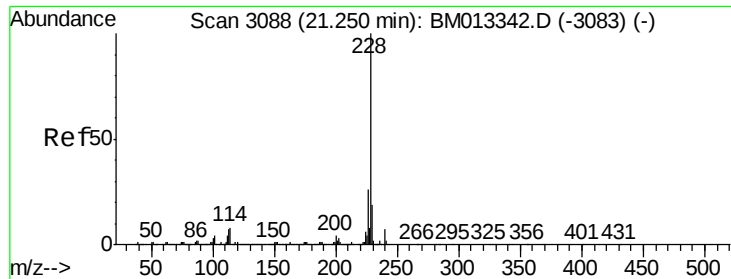
Sohil
 12/13/2017 12:05:40 PM



#77
 Pyrene
 Concen: 23.277 ng/ul
 RT: 19.52 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: BM013344.D
 Acq: 12 Dec 2017 18:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	5.1	7.7#
100	7.8	4.9	7.3#





#80

Benzo(a)anthracene

Concen: 4.405 ng/ul

RT: 21.26 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BM013344.D

Acq: 12 Dec 2017 18:13

Instrument :

BNA_M

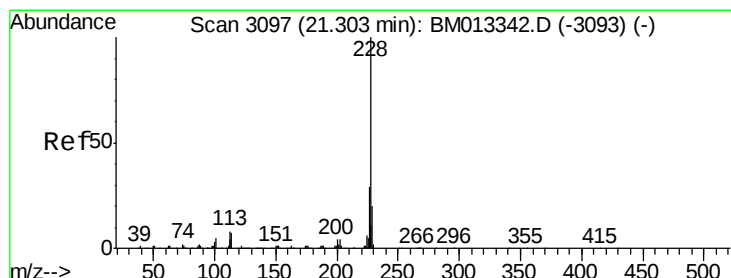
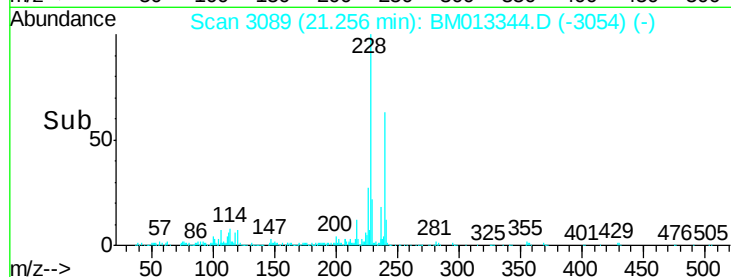
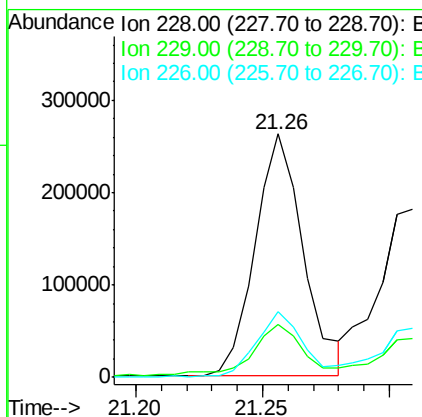
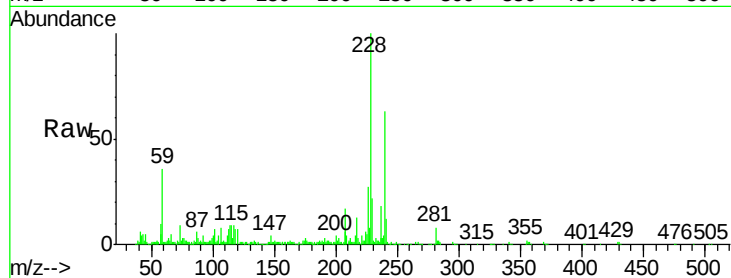
ClientSampled :

F9A11

Tot Ion:	228	Resp:	349643
Ion Ratio	Lower	Upper	
228	100		
229	21.7	15.4	23.0
226	26.7	21.4	32.0

Manual Integrations
APPROVED

Sohil
12/13/2017 12:05:40 PM



#82

Chrysene

Concen: 3.680 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BM013344.D

Acq: 12 Dec 2017 18:13

Tgt Ion:	228	Resp:	270933
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.4	35.2
229	23.1	15.5	23.3

