

Data File : BM010643.D
Acq On : 22 Jun 2017 03:14
Operator : SJ/JU
Sample : I3522-11ME 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C31ME

Quant Time: Jun 22 04:08:39 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 22 01:38:18 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	70184	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	335513	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	242997	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	594560	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	654960	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	521220	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.08	96	871	0.71	ng/uL	0.00
5) Phenol-d5	6.65	99	20373	3.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	12570	3.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	16652	3.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	18410	3.32	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	8989	3.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	10297	3.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	20379	3.51	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	24475	4.00	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	79163	3.71	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	88970	3.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	7292	1.94	ng/ul	0.00
57) Fluorene-d10	15.12	176	71083	3.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	8835	2.42	ng/ul	-0.01
70) Anthracene-d10	16.96	188	111488	3.88	ng/ul	0.00
76) Pyrene-d10	19.27	212	129474	4.26	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	96533	3.83	ng/ul	0.00

Target Compounds				Qvalue		
58) Fluorene	15.17	166	23206	1.15	ng/ul#	97
69) Phenanthrene	16.91	178	90876	2.88	ng/ul	99
71) Anthracene	17.00	178	515634	15.83	ng/ul	99
72) Carbazole	17.27	167	164205	5.78	ng/ul	97
74) Fluoranthene	18.94	202	251537	6.17	ng/ul	99
77) Pyrene	19.30	202	218114	5.77	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	98960	2.59	ng/ul	94
82) Chrysene	21.12	228	115117	3.39	ng/ul	95
85) Benzo(b)fluoranthene	22.59	252	172379	5.09	ng/ul	99
86) Benzo(k)fluoranthene	22.62	252	51956	1.62	ng/ul#	95
88) Benzo(a)pyrene	23.13	252	84976	2.73	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.33	276	51097	1.58	ng/ul#	97
91) Benzo(g,h,i)perylene	25.97	276	36286	1.41	ng/ul#	94

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

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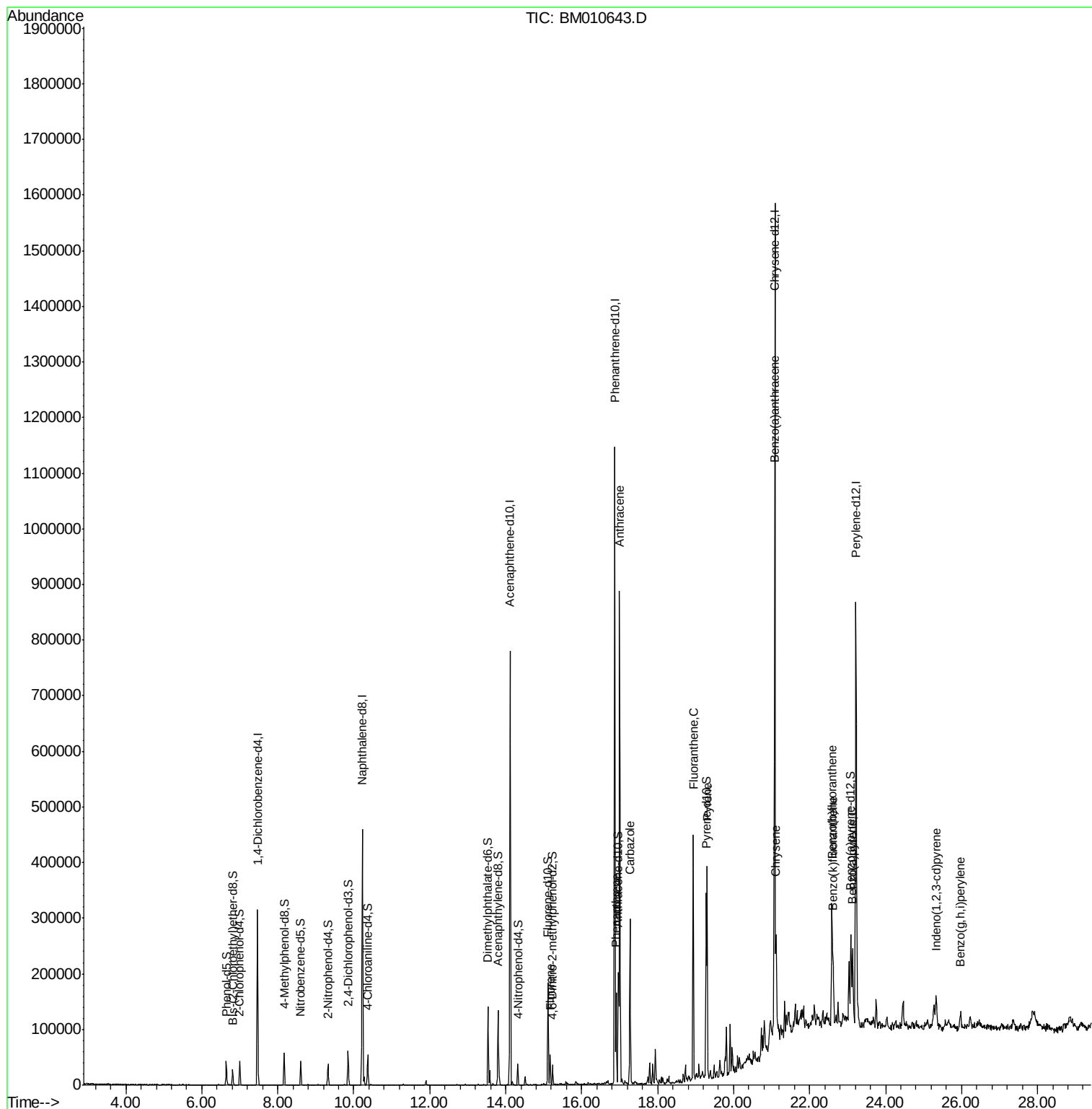
Quant Time: Jun 22 04:08:39 2017

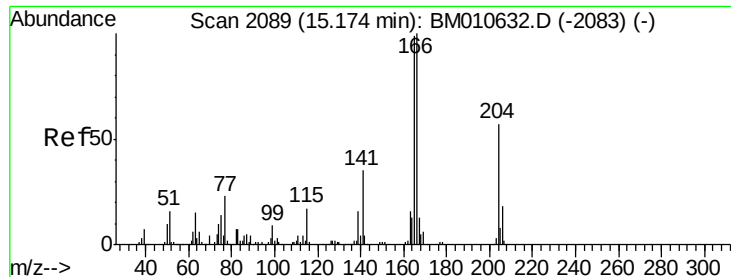
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 22 01:38:18 2017

Response via : Initial Calibration





#58

Fluorene

Concen: 1.15 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. -0.01 min

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Instrument :

BNA_M

ClientSampleId :

F5C31ME

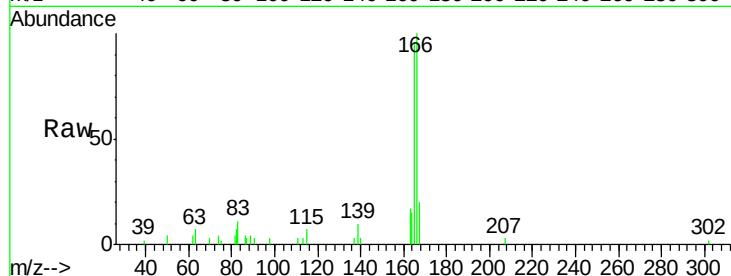
Tgt Ion:166 Resp: 23206

Ion Ratio Lower Upper

166 100

165 96.1 77.9 116.9

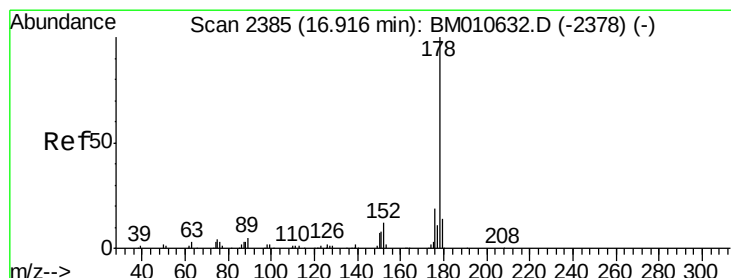
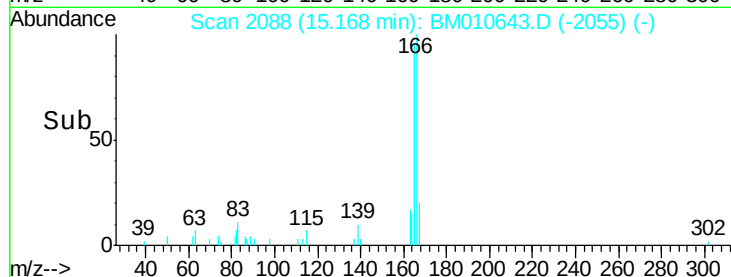
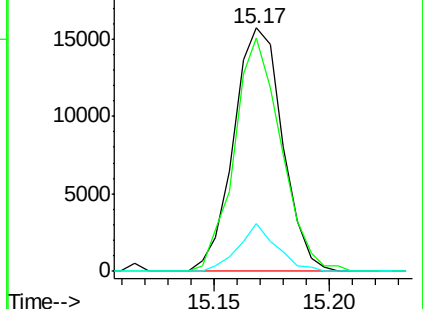
167 19.9 10.6 16.0#



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



#69

Phenanthrene

Concen: 2.88 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM010643.D

Acq: 22 Jun 2017 03:14

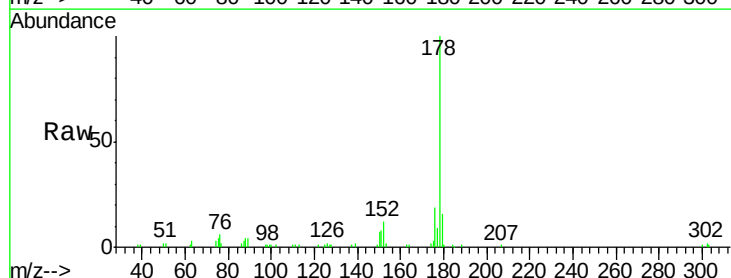
Tgt Ion:178 Resp: 90876

Ion Ratio Lower Upper

178 100

179 16.1 12.6 19.0

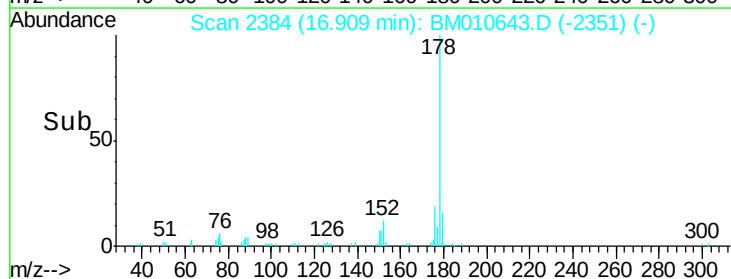
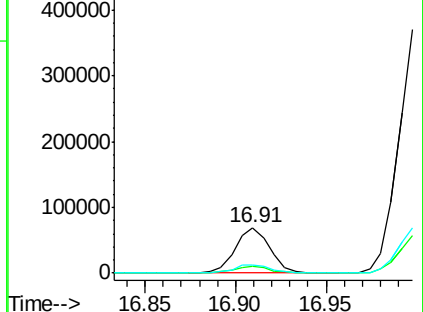
176 19.2 14.9 22.3

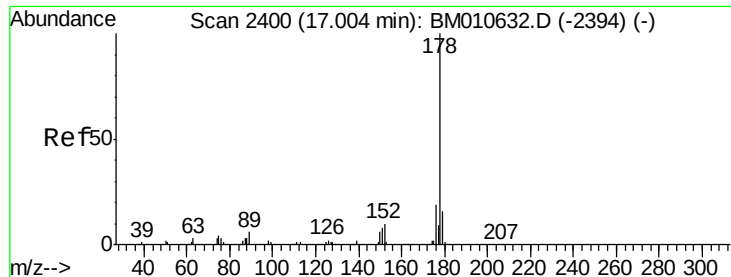


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 15.83 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. -0.01 min

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Acq: 22 Jun 2017 03:14

Instrument :

BNA_M

ClientSampleId :

F5C31ME

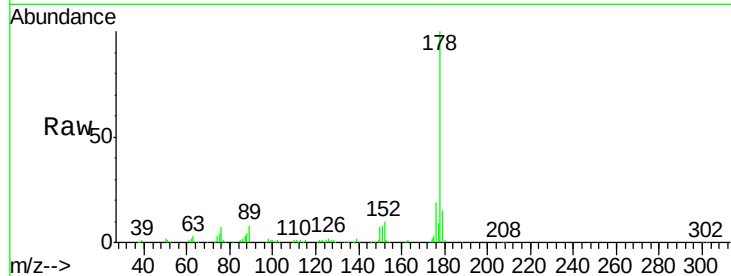
Tgt Ion:178 Resp: 515634

Ion Ratio Lower Upper

178 100

179 15.3 11.7 17.5

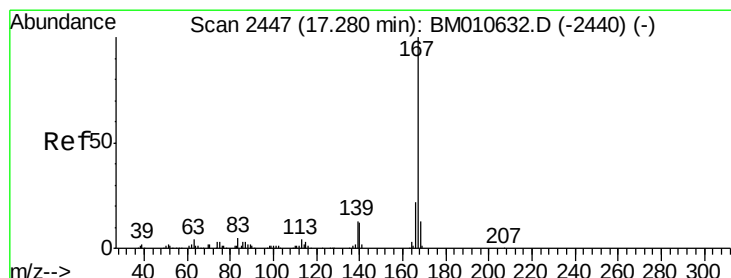
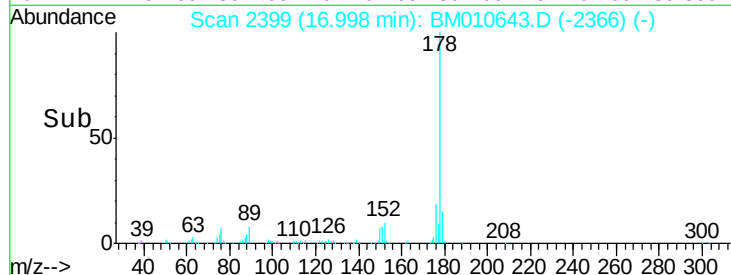
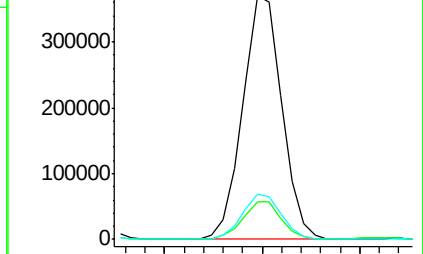
176 18.6 14.6 21.8



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: 5.78 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BM010643.D

Acq: 22 Jun 2017 03:14

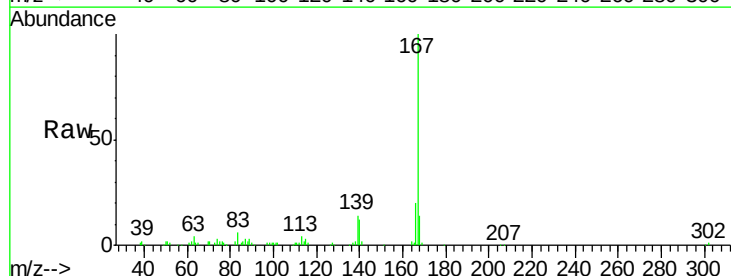
Tgt Ion:167 Resp: 164205

Ion Ratio Lower Upper

167 100

166 20.2 17.1 25.7

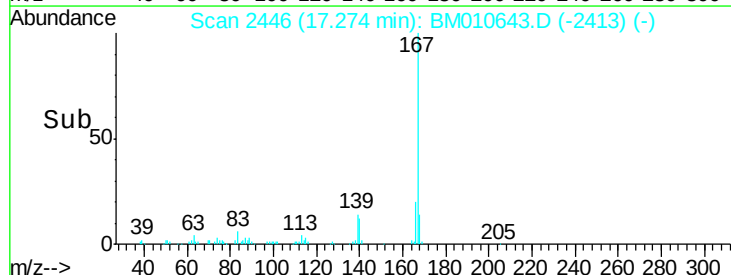
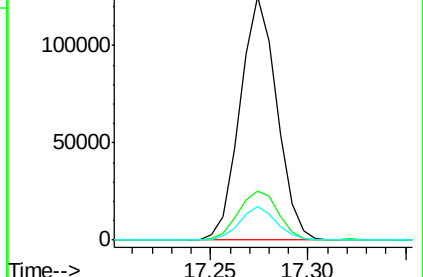
139 13.9 10.0 15.0

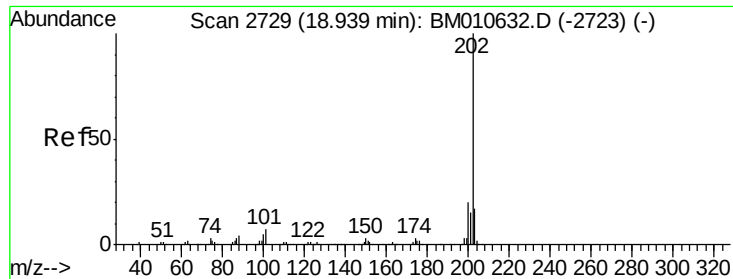


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 6.17 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BM010643.D

Acq: 22 Jun 2017 03:14

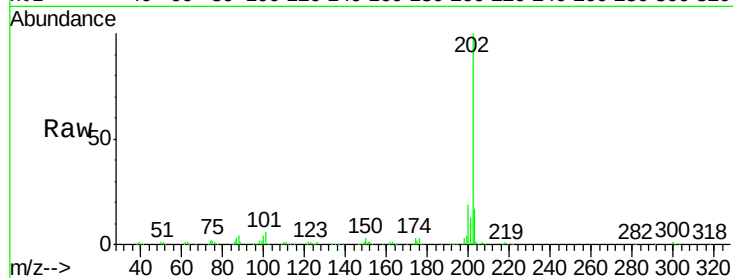
Instrument :

BNA_M

ClientSampleId :

F5C31ME

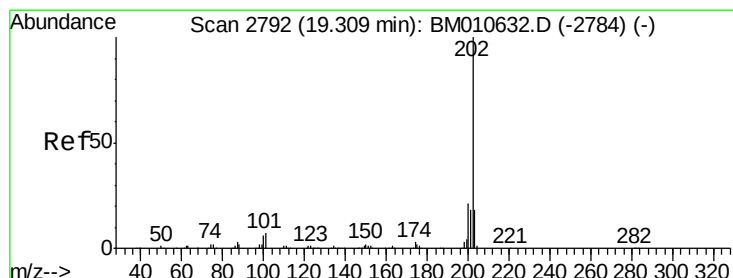
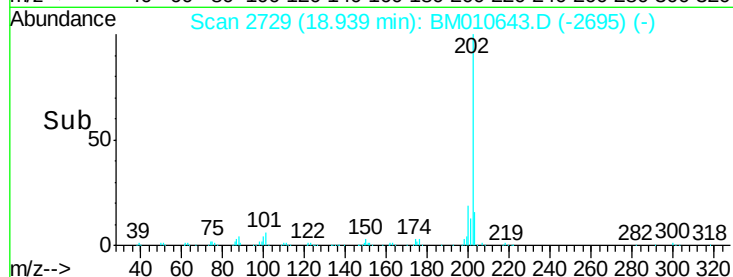
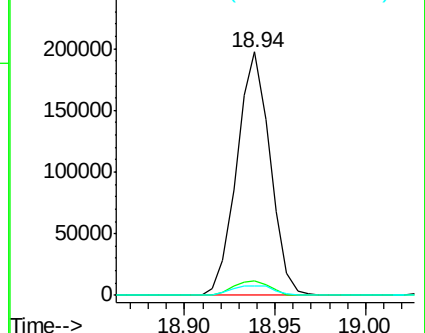
Tgt Ion:	202	Resp:	251537
Ion Ratio	Lower	Upper	
202	100		
101	6.2	4.6	7.0
100	4.0	3.4	5.2



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: 5.77 ng/ul

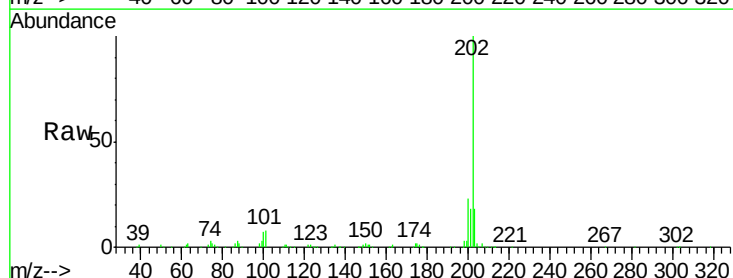
RT: 19.30 min Scan# 2791

Delta R.T. -0.01 min

Lab File: BM010643.D

Acq: 22 Jun 2017 03:14

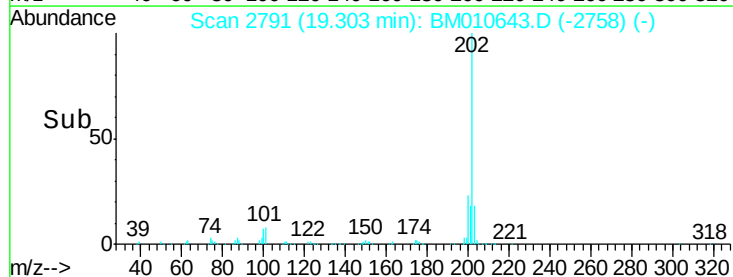
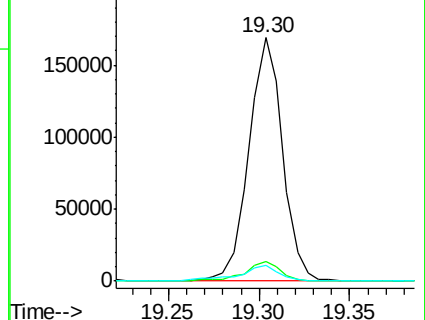
Tgt Ion:	202	Resp:	218114
Ion Ratio	Lower	Upper	
202	100		
101	7.8	5.1	7.7#
100	6.6	4.9	7.3

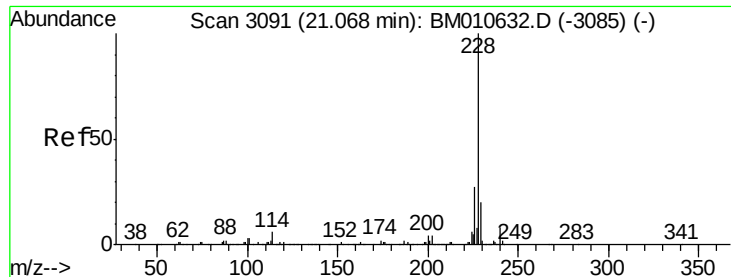


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 2.59 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. -0.00 min

Lab File: BM010643.D

Acq: 22 Jun 2017 03:14

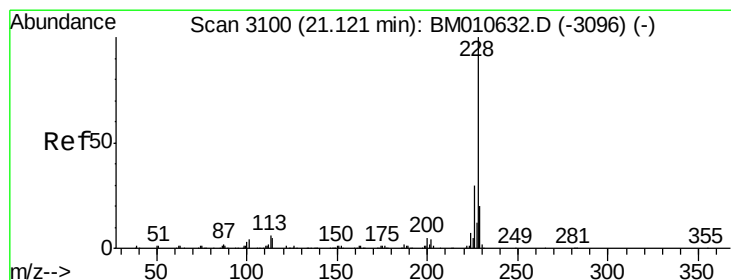
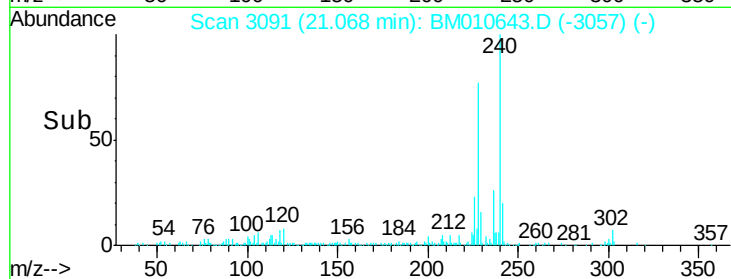
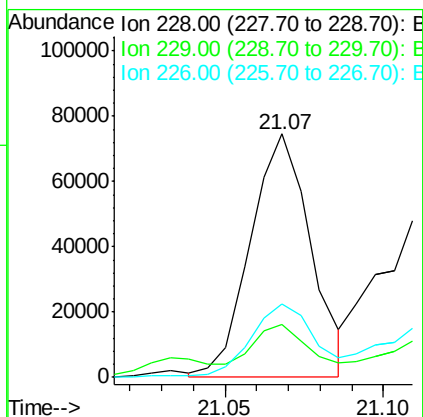
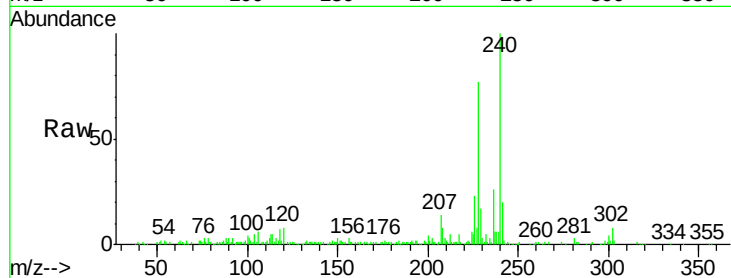
Instrument :

BNA_M

ClientSampleId :

F5C31ME

Tgt Ion:	228	Resp:	98960
Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.4	23.0
226	30.4	21.4	32.0



#82

Chrysene

Concen: 3.39 ng/ul

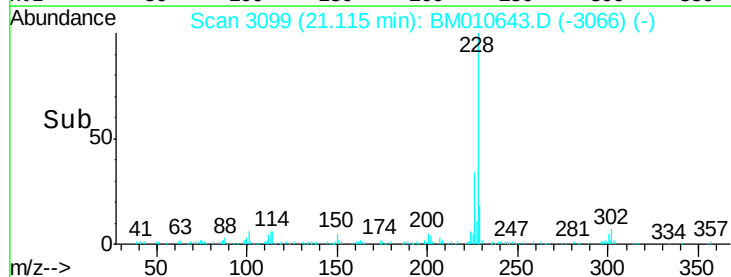
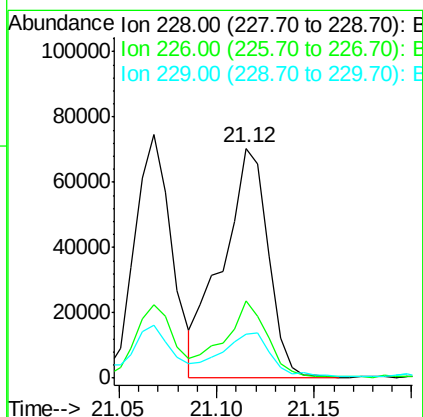
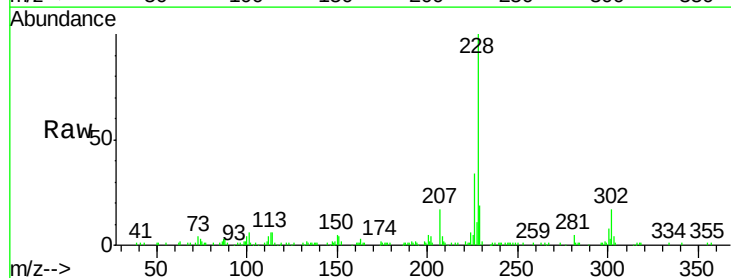
RT: 21.12 min Scan# 3099

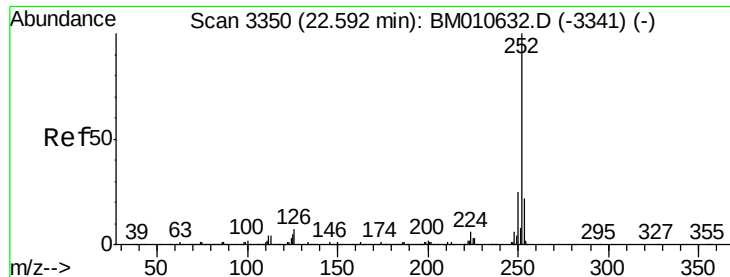
Delta R.T. -0.01 min

Lab File: BM010643.D

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Tgt Ion:	228	Resp:	115117
Ion	Ratio	Lower	Upper
228	100		
226	33.6	23.4	35.2
229	18.9	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 5.09 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.01 min

Lab File: BM010643.D

Acq: 22 Jun 2017 03:14

Instrument :

BNA_M

ClientSampleId :

F5C31ME

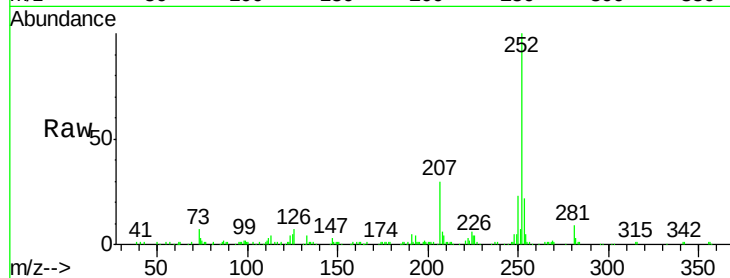
Tgt Ion:252 Resp: 172379

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

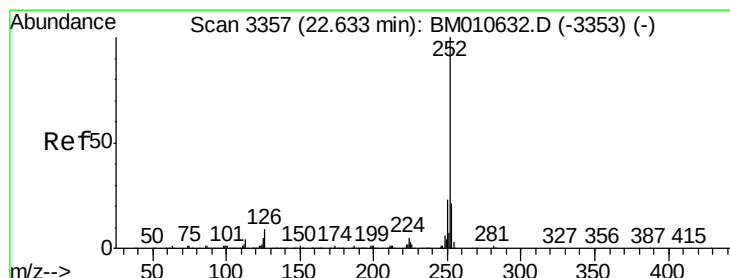
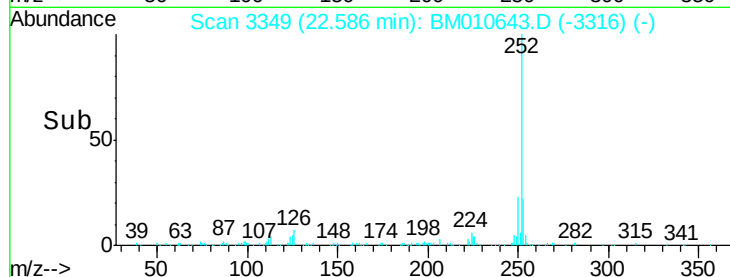
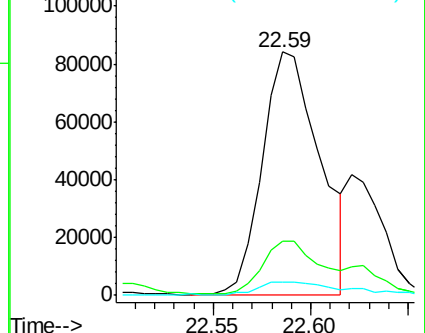
125 5.4 3.6 5.4



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: 1.62 ng/ul

RT: 22.62 min Scan# 3355

Delta R.T. -0.01 min

Lab File: BM010643.D

Acq: 22 Jun 2017 03:14

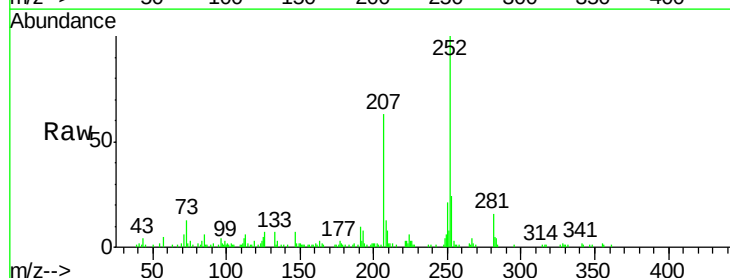
Tgt Ion:252 Resp: 51956

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

125 5.3 3.4 5.2#



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

