

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
 Data File : BM013494.D
 Acq On : 18 Dec 2017 12:25
 Operator : SJ/JU
 Sample : I6775-15ME
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A50ME

Quant Time: Dec 18 14:37:28 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	201419	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	907674	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	528405	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1162698	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	952257	20.00	ng/ul	0.01
83) Perylene-d12	23.50	264	844440	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	21631	5.32	ng/uL	0.00
5) Phenol-d5	6.85	99	615157	35.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	336527	33.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	494497	36.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	524377	35.22	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	252927	35.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	279623	36.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	546252	34.41	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	590726	40.49	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1582777	33.66	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	2079801	35.84	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	240856	29.48	ng/ul	0.00
57) Fluorene-d10	15.31	176	1369862	33.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	218631	29.89	ng/ul	0.00
70) Anthracene-d10	17.17	188	2080727	35.73	ng/ul	0.00
76) Pyrene-d10	19.47	212	2039817	43.00	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	1442566	33.54	ng/ul	0.02

Target Compounds

					Qvalue
6) Phenol	6.88	94	31963	1.855 ng/ul#	83
15) N-Nitroso-di-n-propylamine	8.38	70	14957	1.311 ng/ul#	1
28) Naphthalene	10.50	128	440898	9.441 ng/ul	98
30) 4-Chloroaniline	10.50	127	55883	3.956 ng/ul#	22
34) 2-Methylnaphthalene	12.12	142	141042	4.018 ng/ul	85
40) 1,1'-Biphenyl	13.15	154	63972	1.432 ng/ul	98
44) Dimethylphthalate	13.77	163	270326	6.011 ng/ul	100
47) Acenaphthylene	14.04	152	1283098	23.895 ng/ul	99
49) Acenaphthene	14.38	153	492608	13.467 ng/ul	98
53) Dibenzofuran	14.72	168	428063	7.927 ng/ul	98
58) Fluorene	15.37	166	298752	6.687 ng/ul	99
68) Pentachlorophenol	16.72	266	285416	32.740 ng/ul	97
69) Phenanthrene	17.11	178	3662871	55.452 ng/ul	100
71) Anthracene	17.20	178	2393753	35.453 ng/ul	99
72) Carbazole	17.47	167	462373	7.962 ng/ul	98
74) Fluoranthene	19.14	202	7352980	90.835 ng/ul#	93
77) Pyrene	19.50	202	8666393	149.802 ng/ul#	90
80) Benzo(a)anthracene	21.25	228	5027988	83.219 ng/ul	95
82) Chrysene	21.31	228	7606402	135.700 ng/ul	98
85) Benzo(b)fluoranthene	22.85	252	15271185	268.269 ng/ul#	98
86) Benzo(k)fluoranthene	22.85	252	15271185	285.069 ng/ul#	96
88) Benzo(a)pyrene	23.42	252	6748185	131.966 ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.75	276	4280454	84.364 ng/ul#	96

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QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

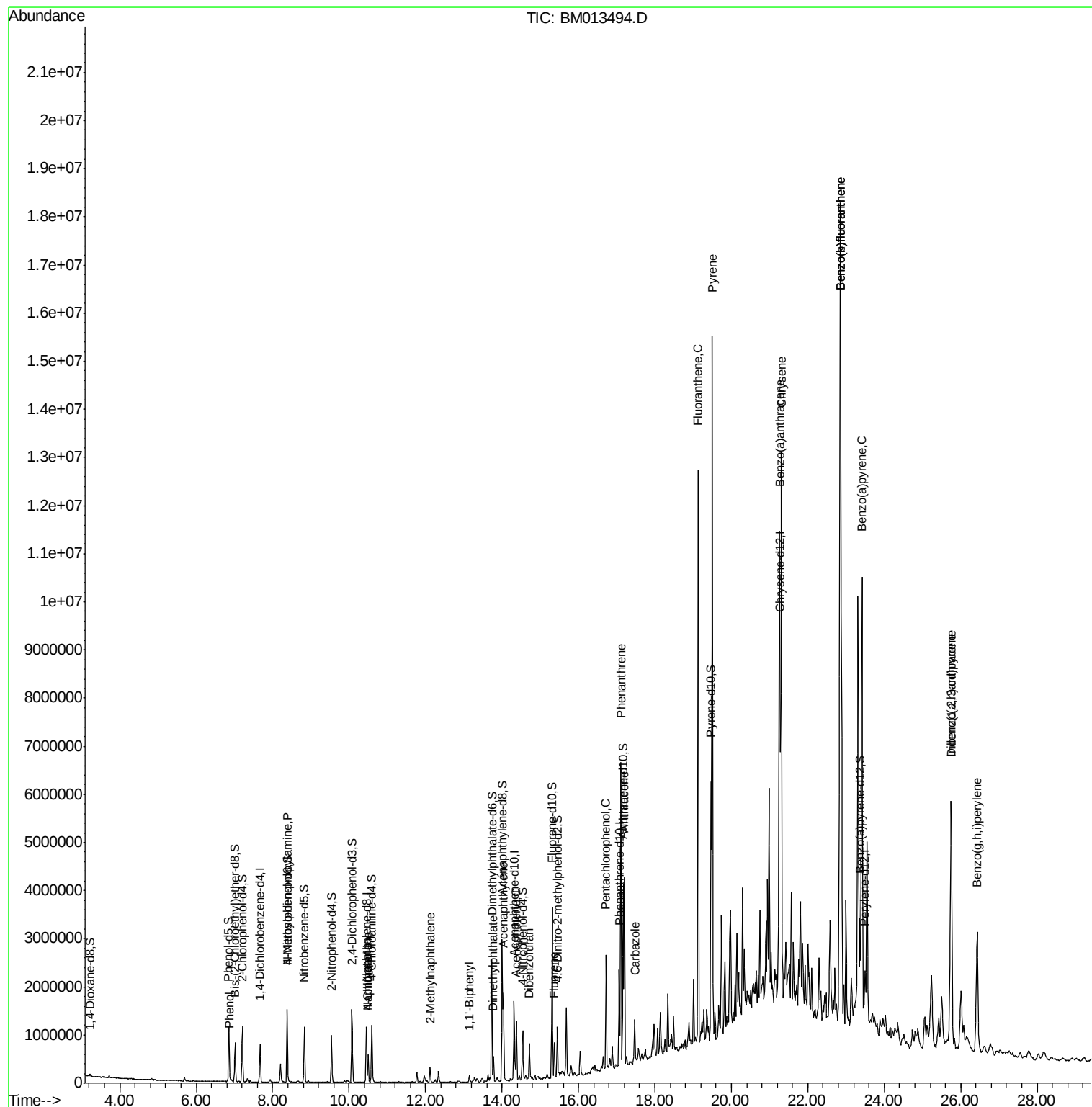
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.74	278	1112905	25.760	ng/ul#	91
91) Benzo(g,h,i)perylene	26.43	276	3176257	79.364	ng/ul#	95

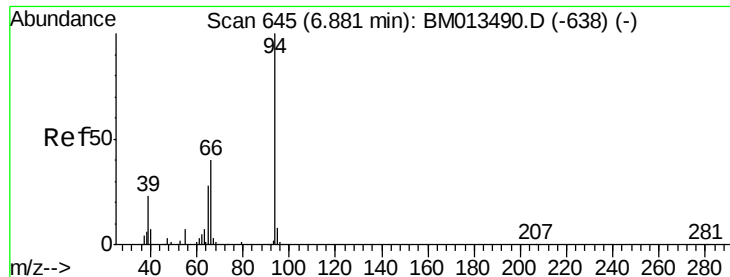
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.855 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Instrument :

BNA_M

ClientSampleId :

F9A50ME

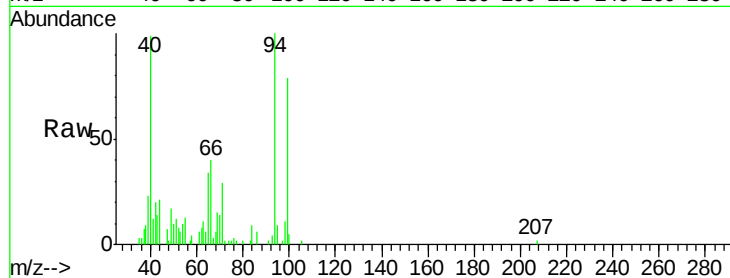
Tgt Ion: 94 Resp: 31963

Ion Ratio Lower Upper

94 100

65 34.1 28.2 42.4

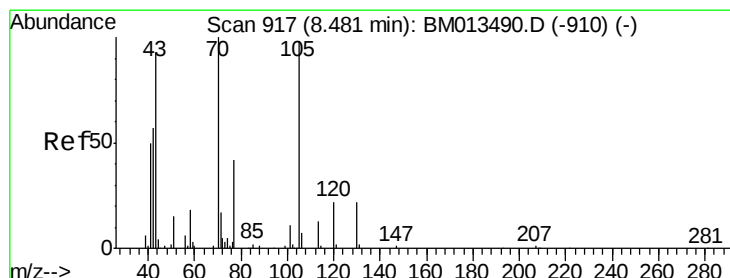
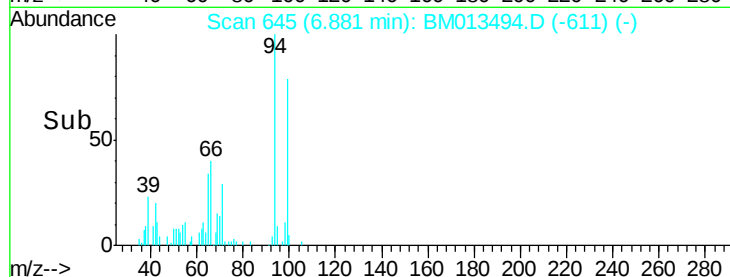
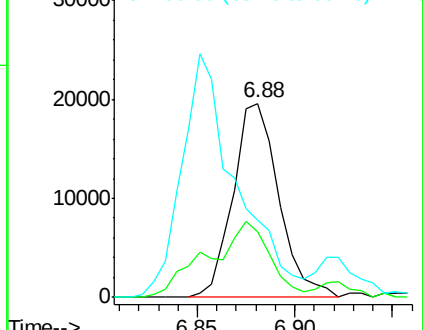
66 39.8 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM013494.D (-638) (-)

Ion 65.00 (64.70 to 65.70): BM013494.D (-638) (-)

Ion 66.00 (65.70 to 66.70): BM013494.D (-638) (-)



#15

N-Nitroso-di-n-propylamine

Concen: 1.311 ng/ul

RT: 8.38 min Scan# 900

Delta R.T. -0.10 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Tgt Ion: 70 Resp: 14957

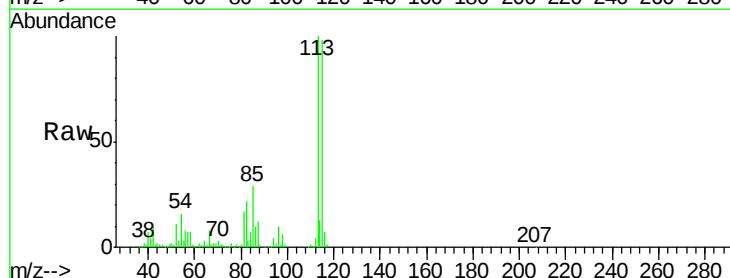
Ion Ratio Lower Upper

70 100

42 320.8 76.0 114.0#

101 0.0 6.7 10.1#

130 0.0 14.6 22.0#

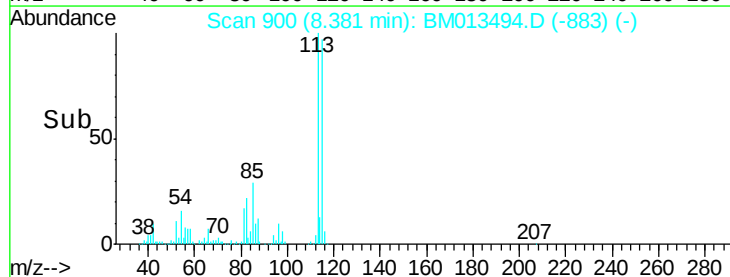
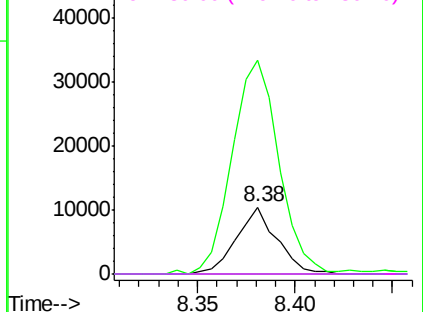


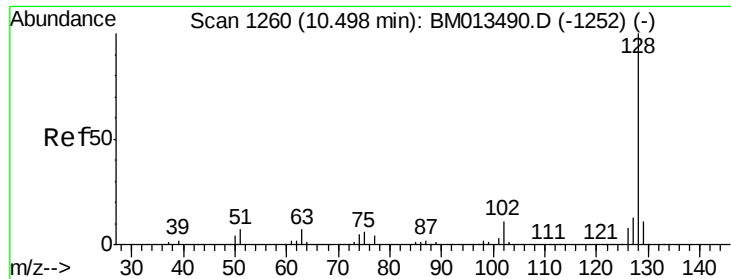
Abundance Ion 70.00 (69.70 to 70.70): BM013494.D (-883) (-)

Ion 42.00 (41.70 to 42.70): BM013494.D (-883) (-)

Ion 101.00 (100.70 to 101.70): BM013494.D (-883) (-)

Ion 130.00 (129.70 to 130.70): BM013494.D (-883) (-)

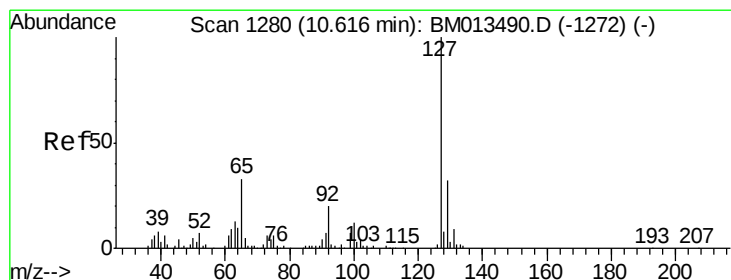
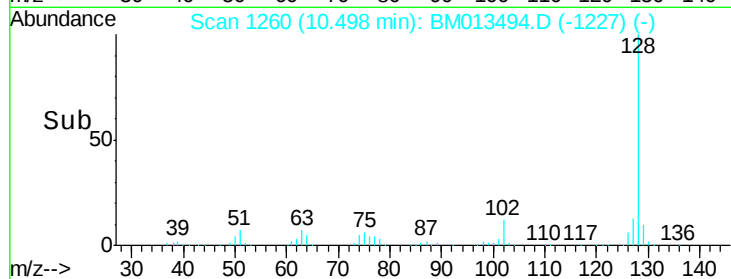
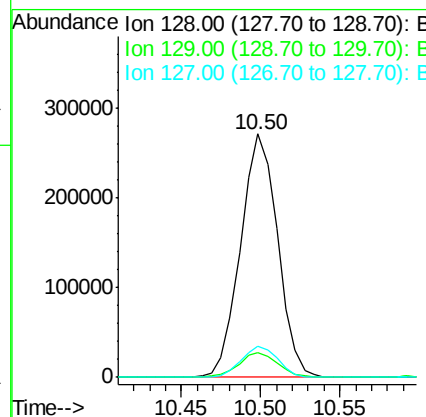
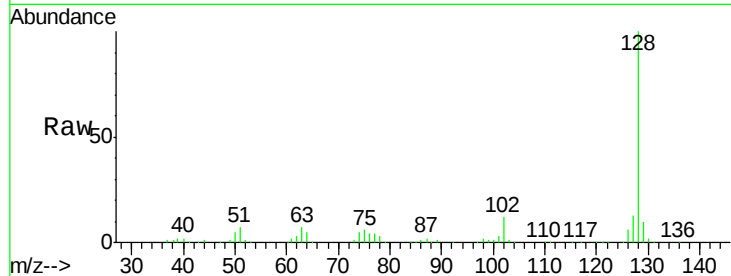




#28
Naphthalene
Concen: 9.441 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

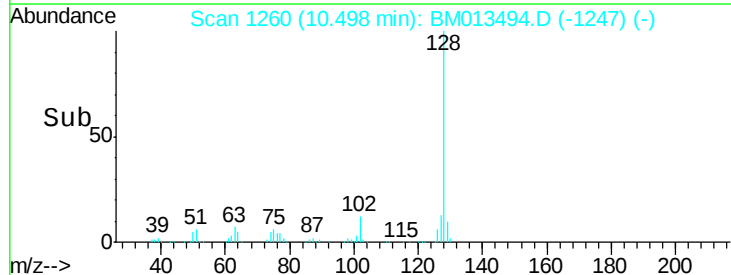
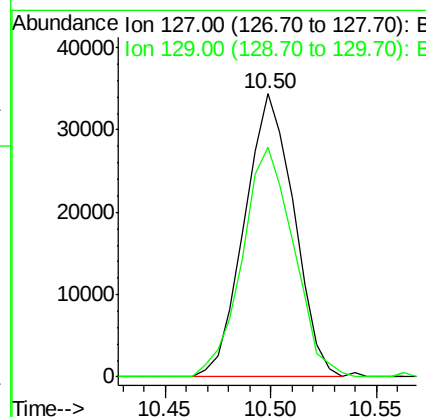
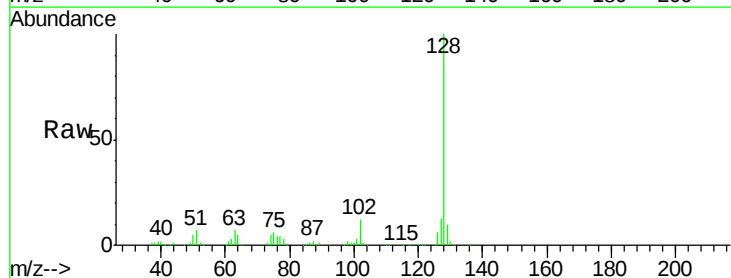
Instrument :
BNA_M
ClientSampleId :
F9A50ME

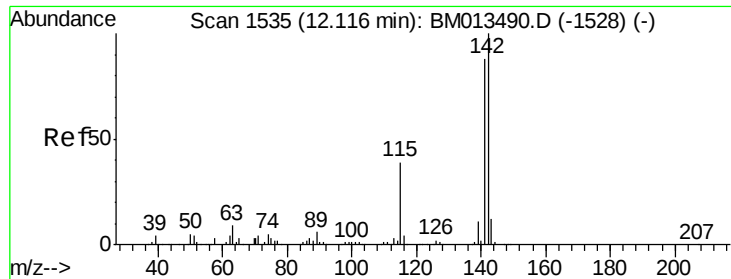
Tgt Ion:128 Resp: 440898
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 12.7 10.6 16.0



#30
4-Chloroaniline
Concen: 3.956 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.12 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

Tgt Ion:127 Resp: 55883
Ion Ratio Lower Upper
127 100
129 81.2 28.4 42.6#

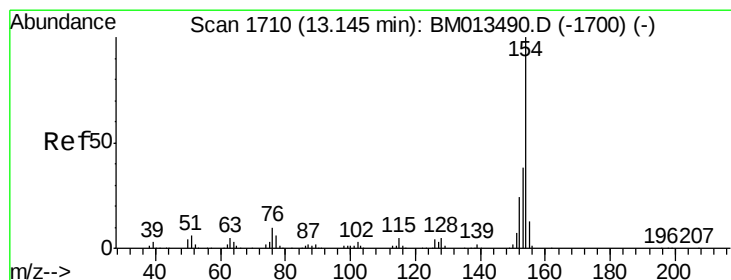
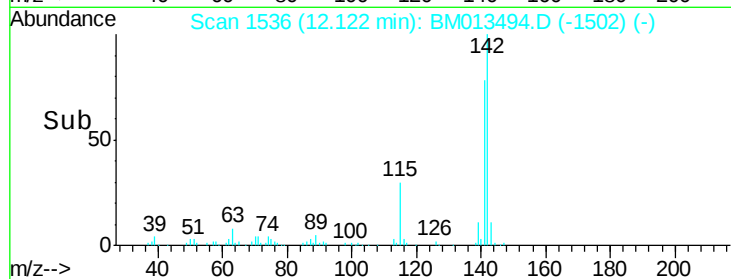
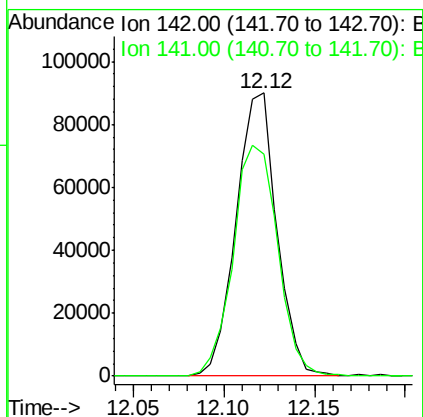
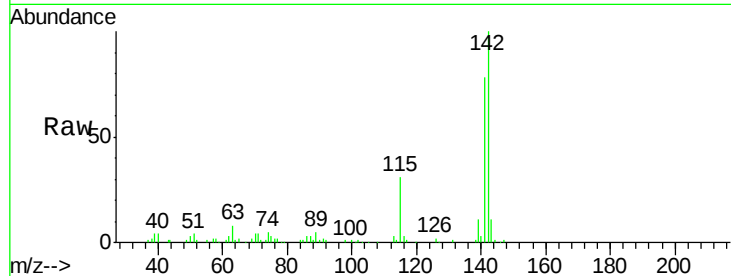




#34
 2-Methylnaphthalene
 Concen: 4.018 ng/ul
 RT: 12.12 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: BM013494.D
 Acq: 18 Dec 2017 12:25

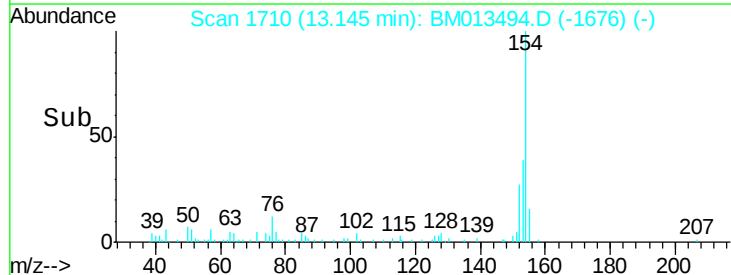
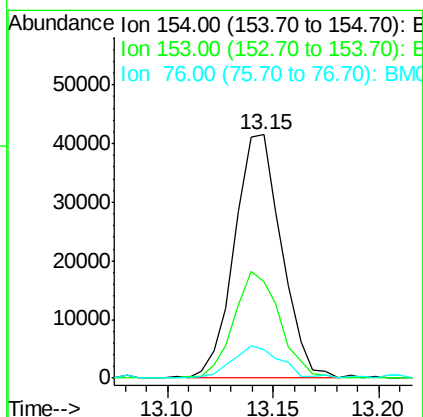
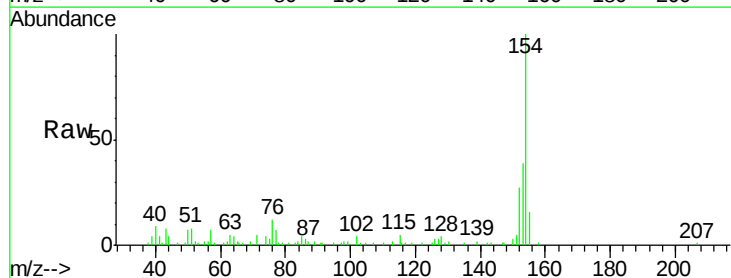
Instrument :
 BNA_M
 ClientSampleId :
 F9A50ME

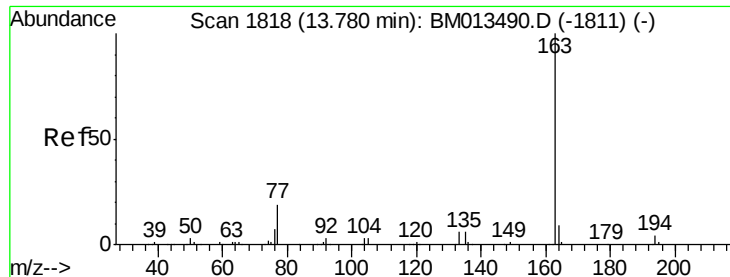
Tgt Ion:142 Resp: 141042
 Ion Ratio Lower Upper
 142 100
 141 78.3 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 1.432 ng/ul
 RT: 13.15 min Scan# 1710
 Delta R.T. 0.00 min
 Lab File: BM013494.D
 Acq: 18 Dec 2017 12:25

Tgt Ion:154 Resp: 63972
 Ion Ratio Lower Upper
 154 100
 153 39.4 32.6 48.8
 76 11.7 8.5 12.7

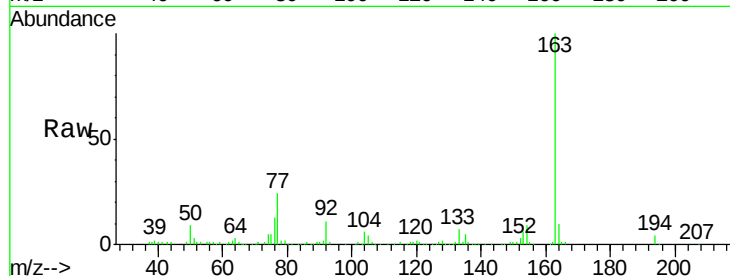




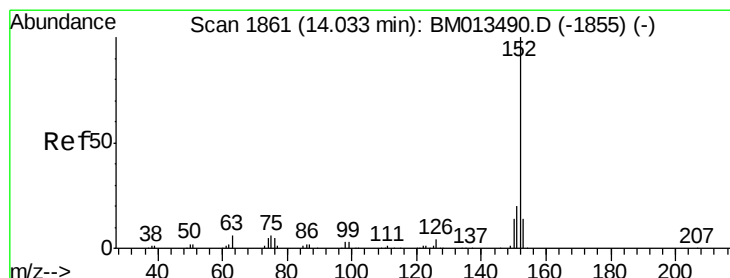
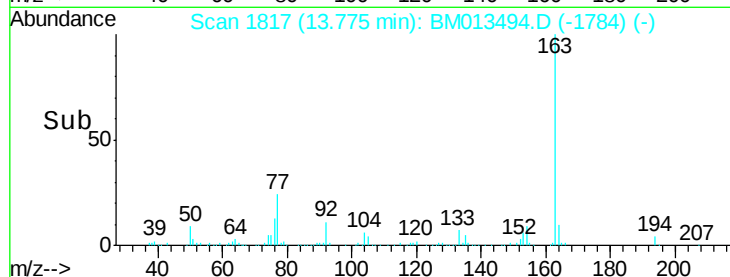
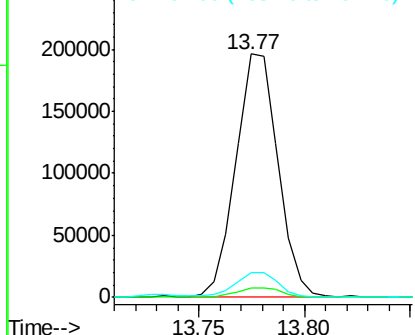
#44
Dimethylphthalate
Concen: 6.011 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

Instrument :
BNA_M
ClientSampleId :
F9A50ME

Tgt Ion:163 Resp: 270326
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 10.3 8.2 12.4

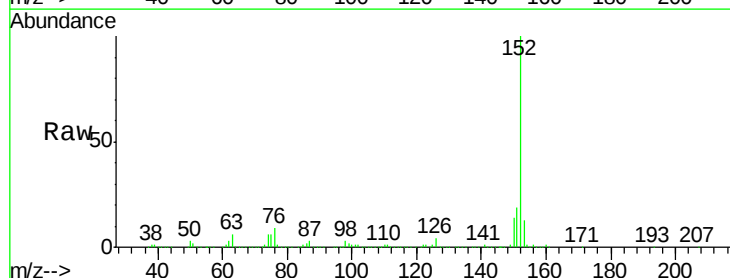


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

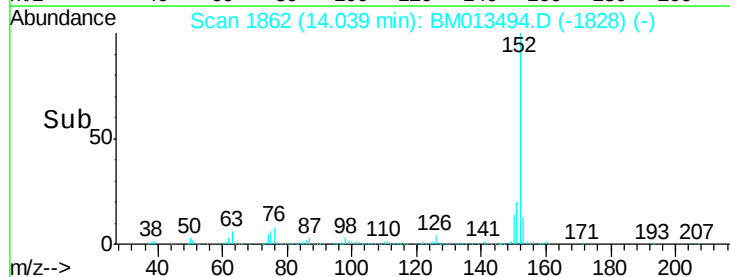
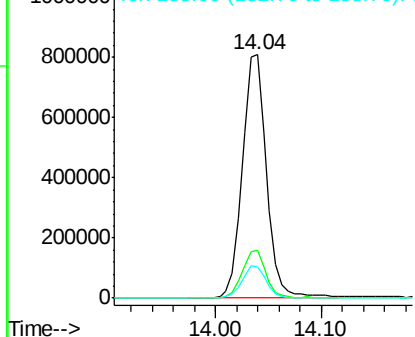


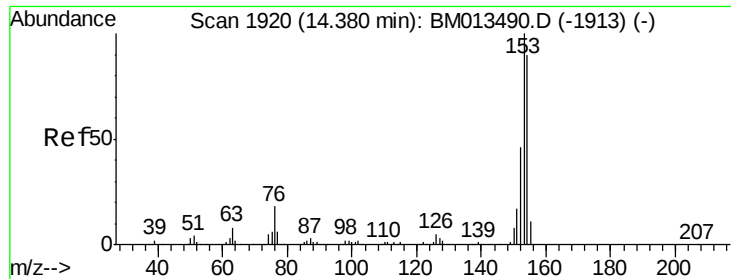
#47
Acenaphthylene
Concen: 23.895 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

Tgt Ion:152 Resp: 1283098
Ion Ratio Lower Upper
152 100
151 19.5 16.3 24.5
153 12.8 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 13.467 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Instrument :

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ClientSampleId :

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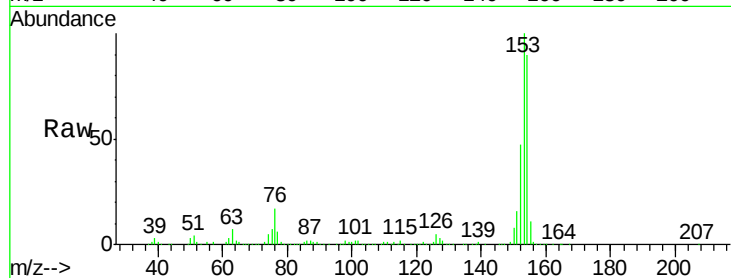
Tgt Ion:153 Resp: 492608

Ion Ratio Lower Upper

153 100

152 46.6 37.6 56.4

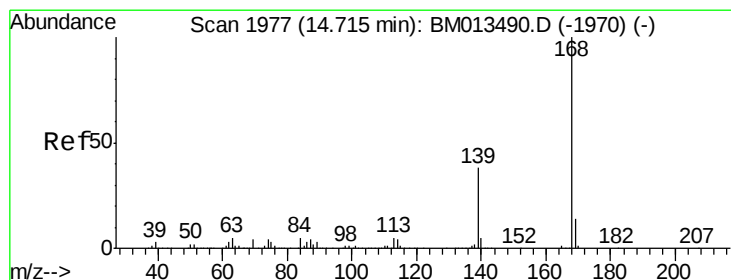
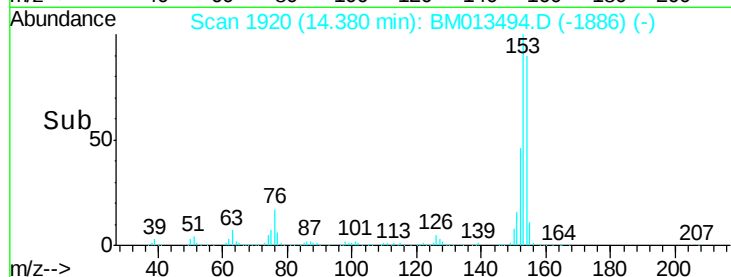
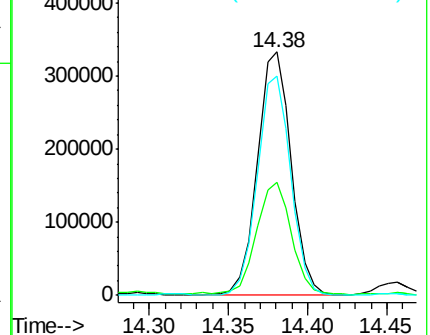
154 90.0 70.4 105.6



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 7.927 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BM013494.D

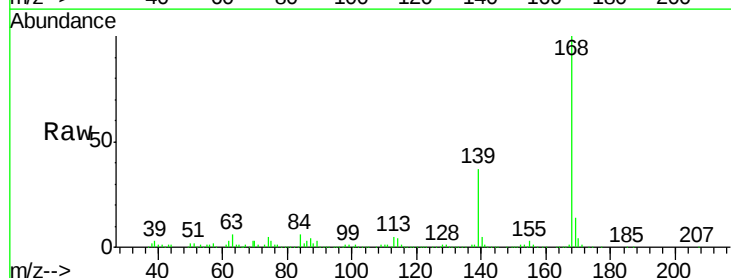
Acq: 18 Dec 2017 12:25

Tgt Ion:168 Resp: 428063

Ion Ratio Lower Upper

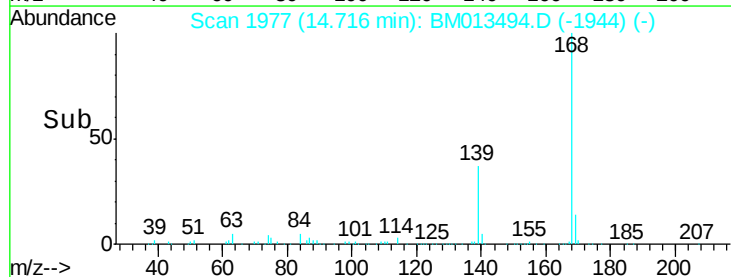
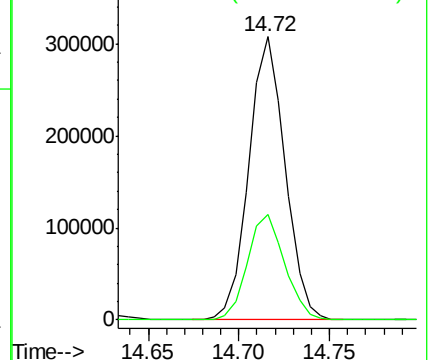
168 100

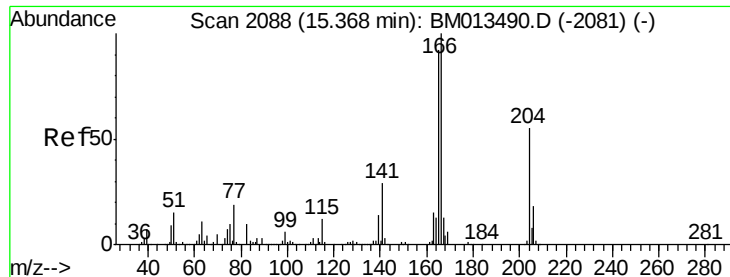
139 37.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.687 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

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ClientSampleId :

F9A50ME

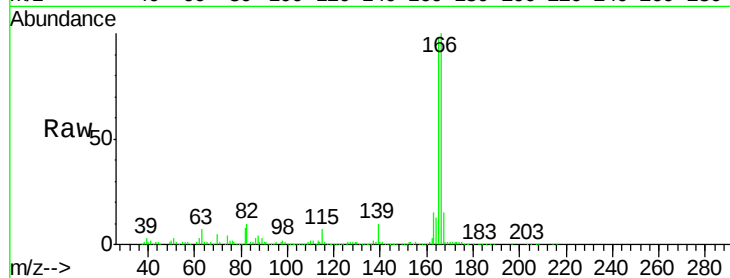
Tgt Ion:166 Resp: 298752

Ion Ratio Lower Upper

166 100

165 97.5 77.9 116.9

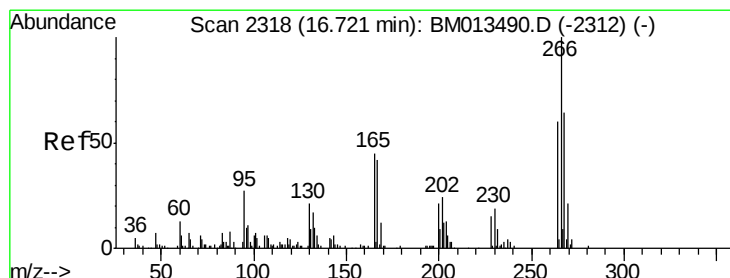
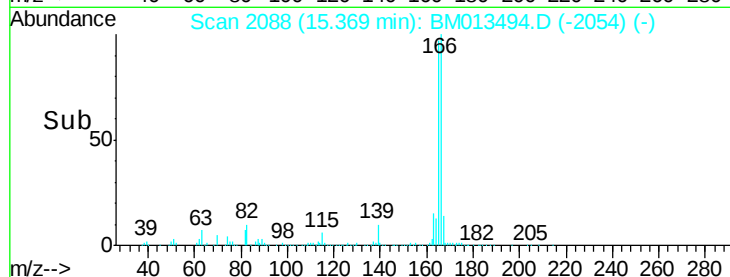
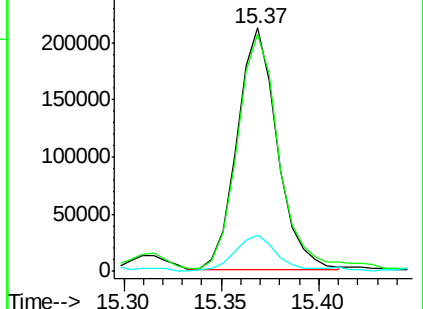
167 14.7 10.6 16.0



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: 32.740 ng/ul

RT: 16.72 min Scan# 2318

Delta R.T. 0.00 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

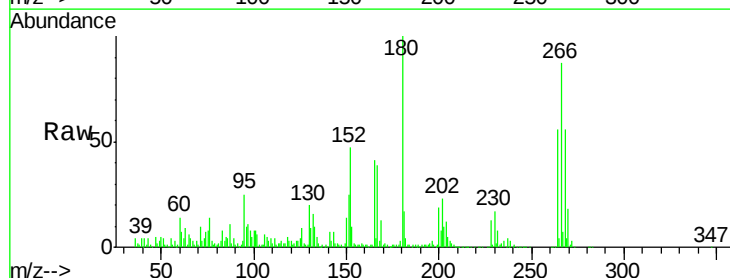
Tgt Ion:266 Resp: 285416

Ion Ratio Lower Upper

266 100

264 64.3 49.3 73.9

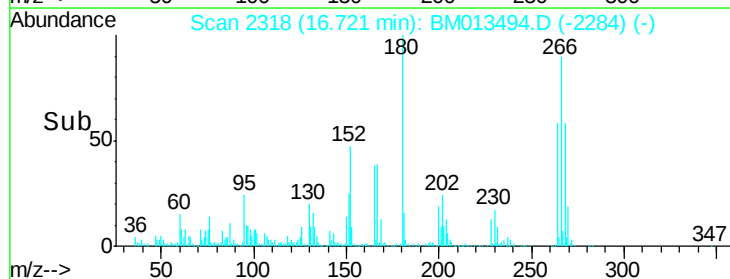
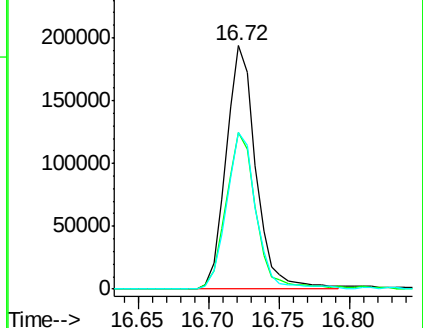
268 64.4 52.6 78.8

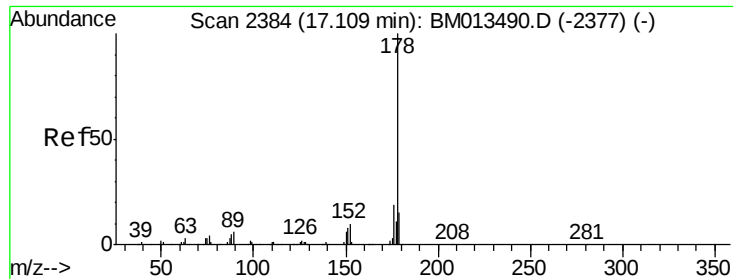


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 55.452 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Instrument :

BNA_M

ClientSampleId :

F9A50ME

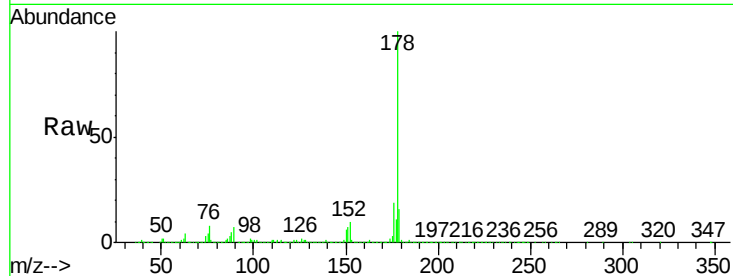
Tgt Ion:178 Resp: 3662871

Ion Ratio Lower Upper

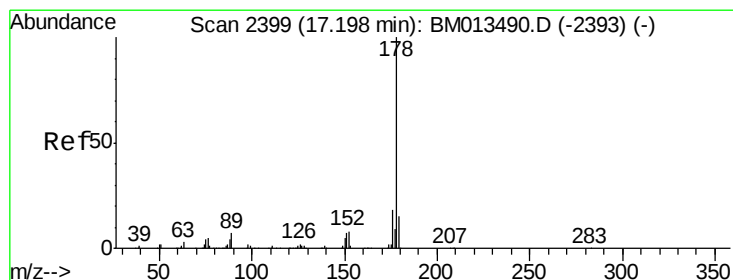
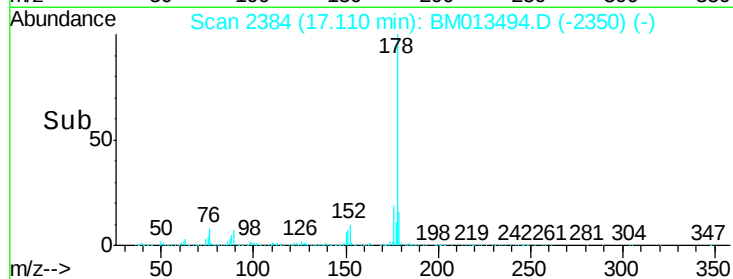
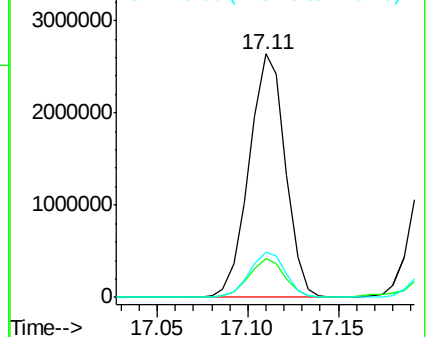
178 100

179 16.0 12.6 19.0

176 18.8 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: 35.453 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

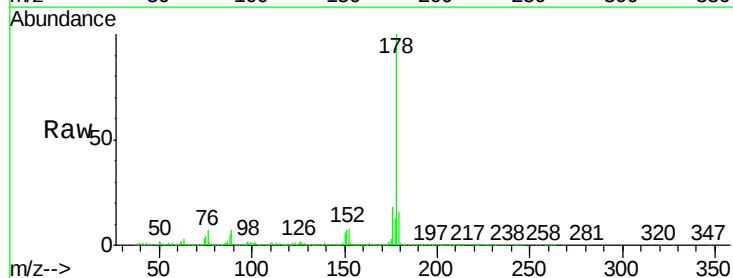
Tgt Ion:178 Resp: 2393753

Ion Ratio Lower Upper

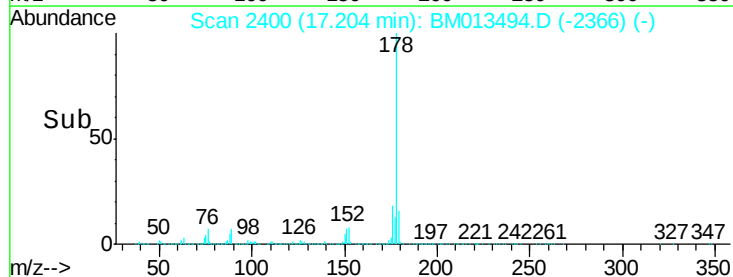
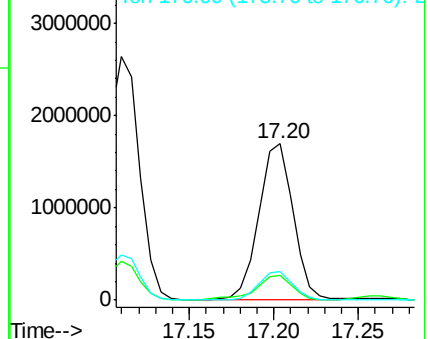
178 100

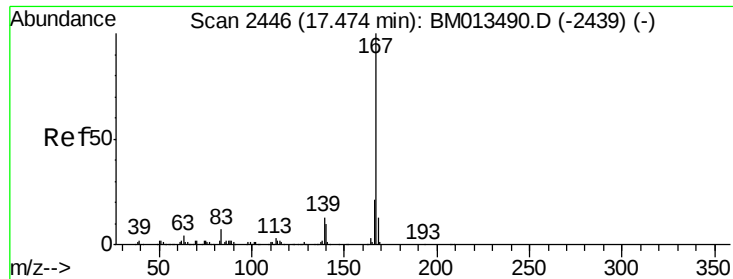
179 15.6 11.7 17.5

176 18.2 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: 7.962 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Instrument :

BNA_M

ClientSampleId :

F9A50ME

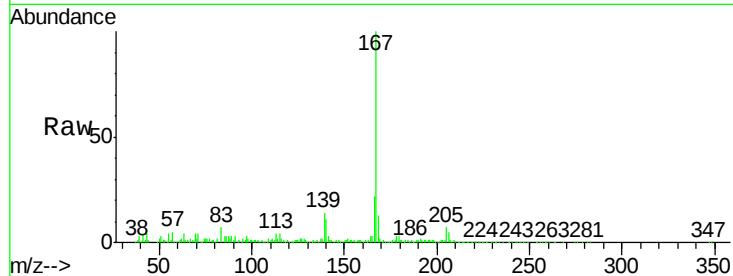
Tgt Ion:167 Resp: 462373

Ion Ratio Lower Upper

167 100

166 21.6 17.1 25.7

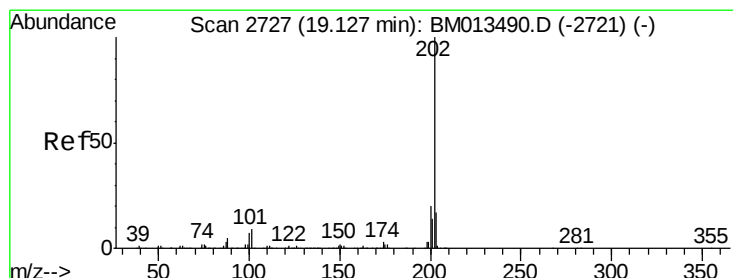
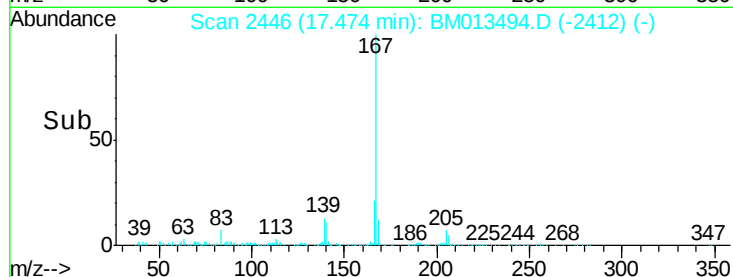
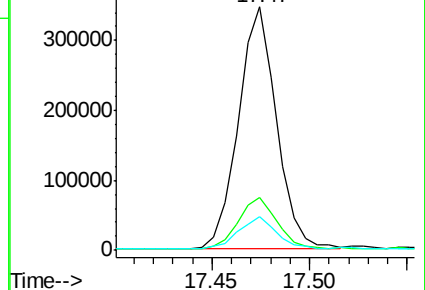
139 14.1 10.0 15.0



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: 90.835 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.01 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

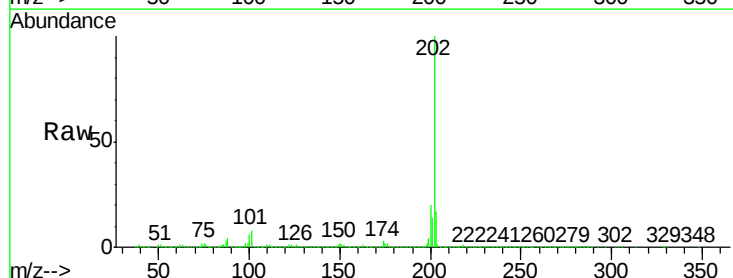
Tgt Ion:202 Resp: 7352980

Ion Ratio Lower Upper

202 100

101 8.3 4.6 7.0#

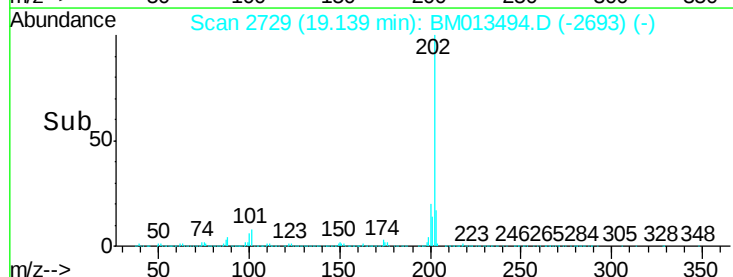
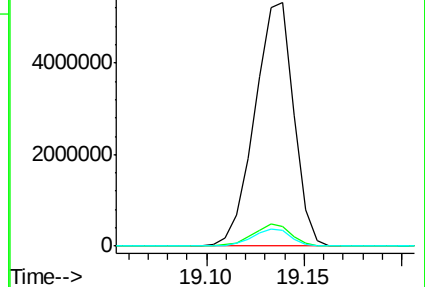
100 6.3 3.4 5.2#

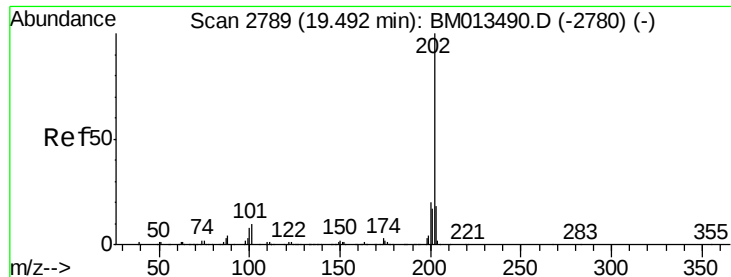


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 149.802 ng/ul

RT: 19.50 min Scan# 2791

Delta R.T. 0.01 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Instrument :

BNA_M

ClientSampleId :

F9A50ME

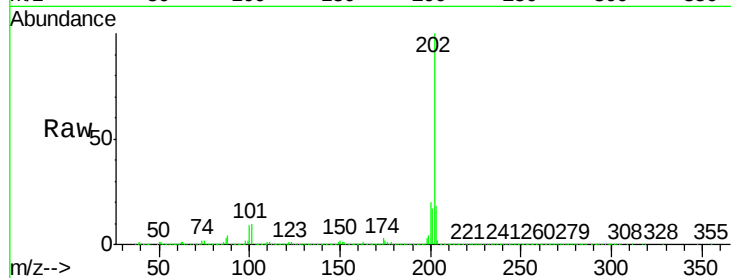
Tgt Ion:202 Resp: 8666393

Ion Ratio Lower Upper

202 100

101 10.5 5.1 7.7#

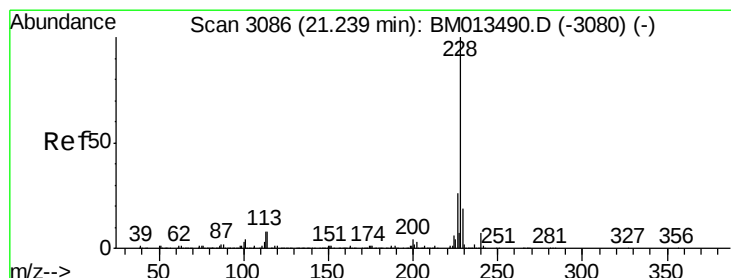
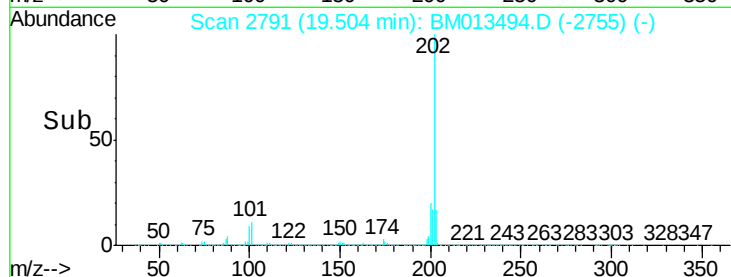
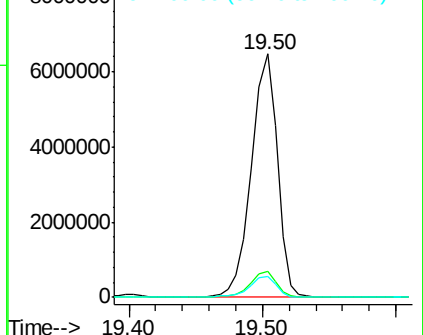
100 8.7 4.9 7.3#



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: 83.219 ng/ul

RT: 21.25 min Scan# 3088

Delta R.T. 0.01 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

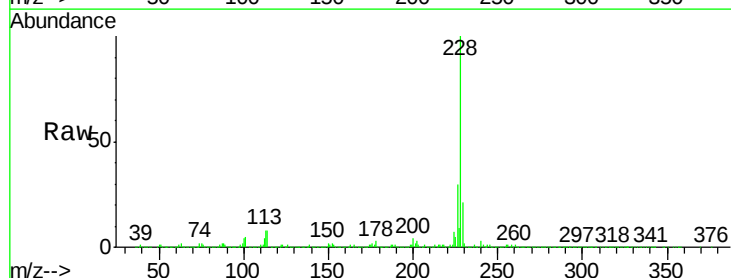
Tgt Ion:228 Resp: 5027988

Ion Ratio Lower Upper

228 100

229 20.7 15.4 23.0

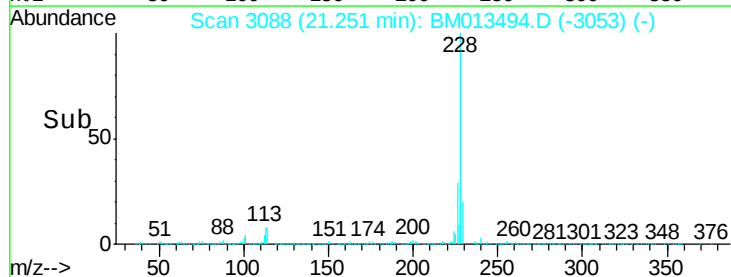
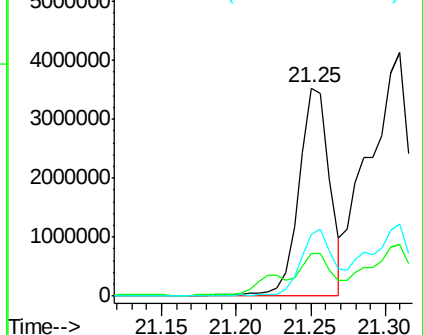
226 29.7 21.4 32.0

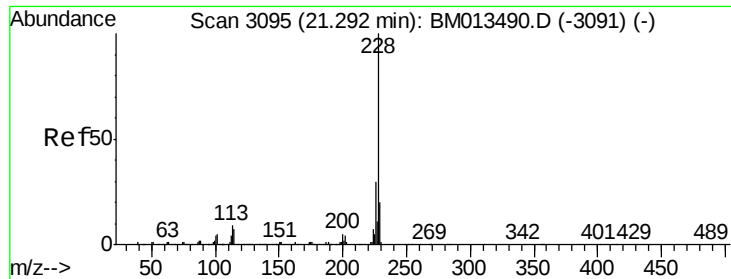


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 135.700 ng/u1

RT: 21.31 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Instrument :

BNA_M

ClientSampleId :

F9A50ME

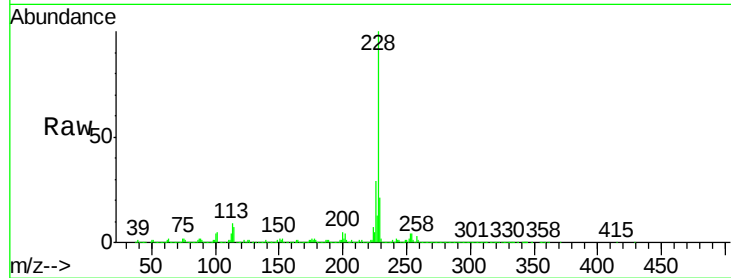
Tgt Ion:228 Resp: 7606402

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.2

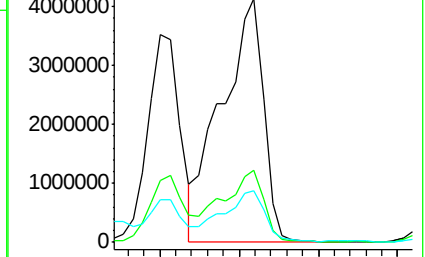
229 21.4 15.5 23.3



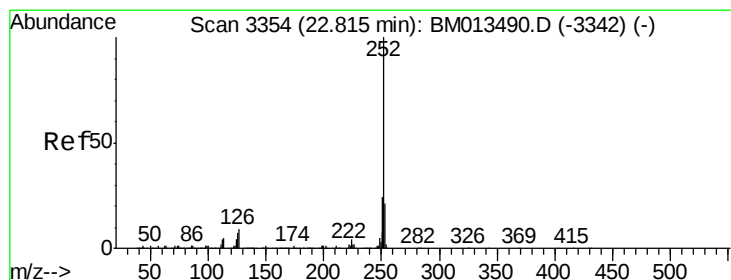
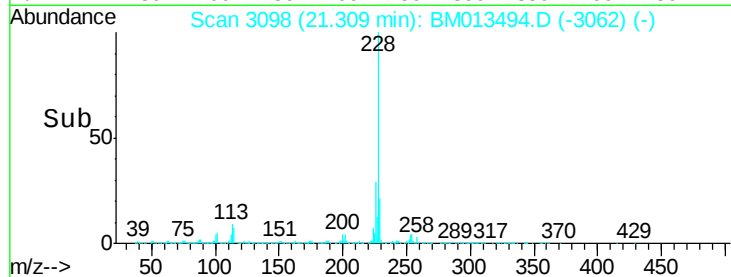
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 268.269 ng/u1

RT: 22.85 min Scan# 3360

Delta R.T. 0.04 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

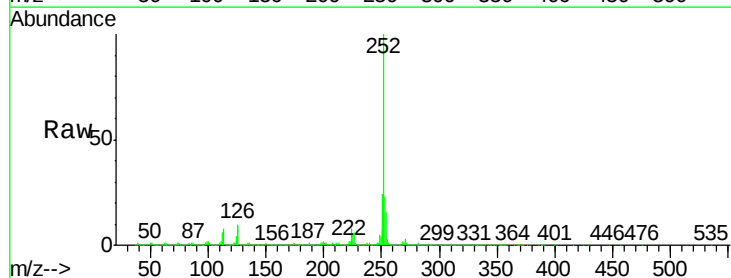
Tgt Ion:252 Resp:15271185

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

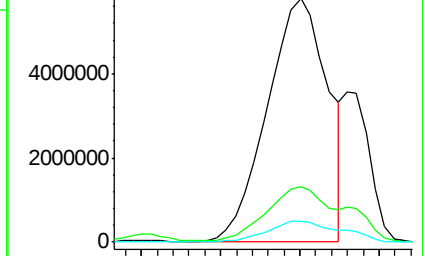
125 8.7 3.6 5.4#



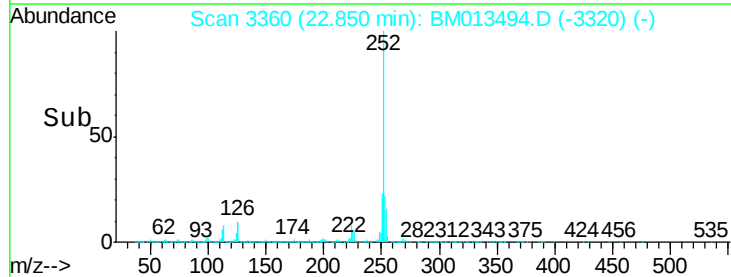
Abundance Ion 252.00 (251.70 to 252.70): E

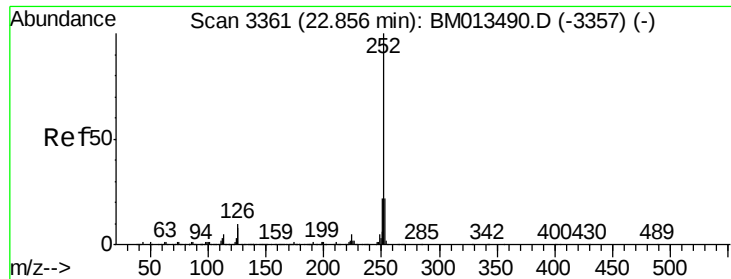
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->

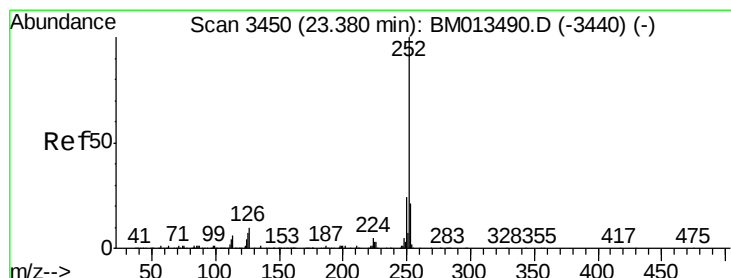
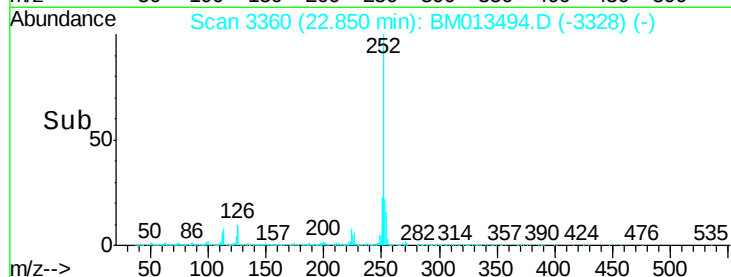
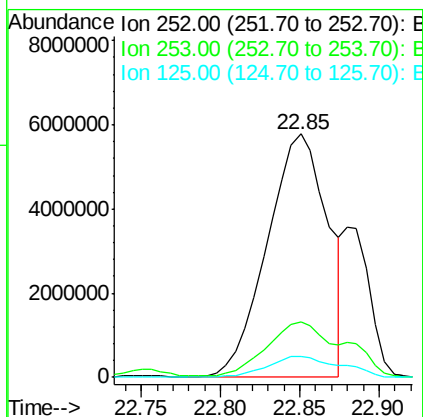
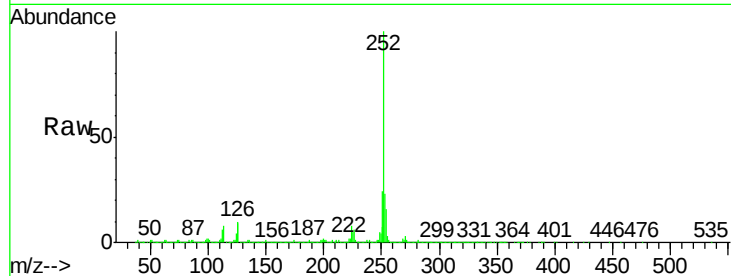




#86
Benzo(k)fluoranthene
Concen: 285.069 ng/u1
RT: 22.85 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

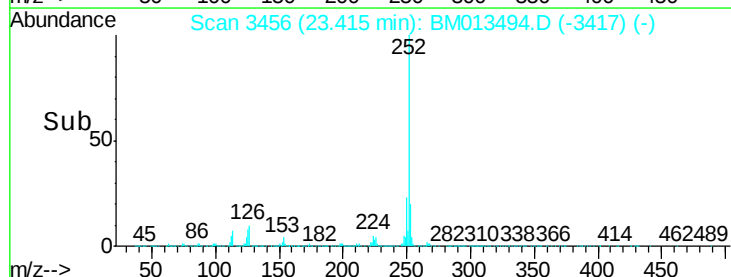
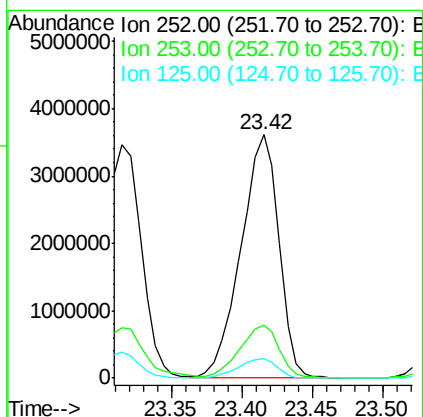
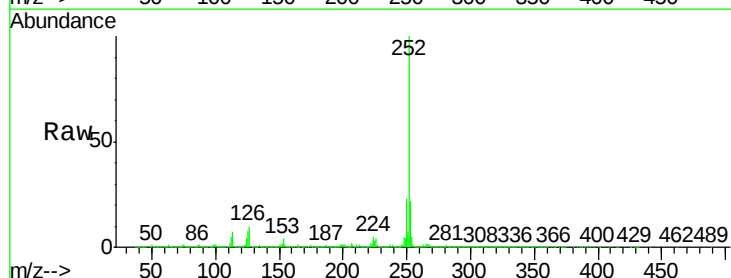
Instrument :
BNA_M
ClientSampleId :
F9A50ME

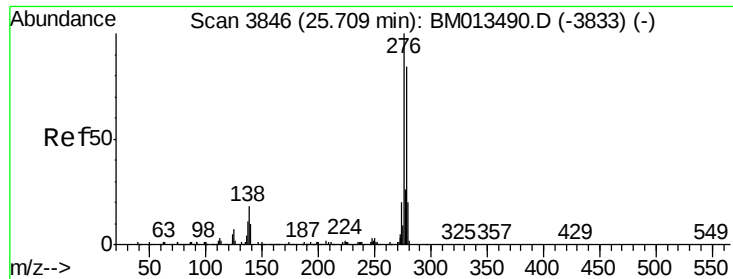
Tgt Ion:252 Resp:15271185
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 8.7 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 131.966 ng/u1
RT: 23.42 min Scan# 3456
Delta R.T. 0.03 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

Tgt Ion:252 Resp: 6748185
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.2
125 8.2 4.0 6.0#



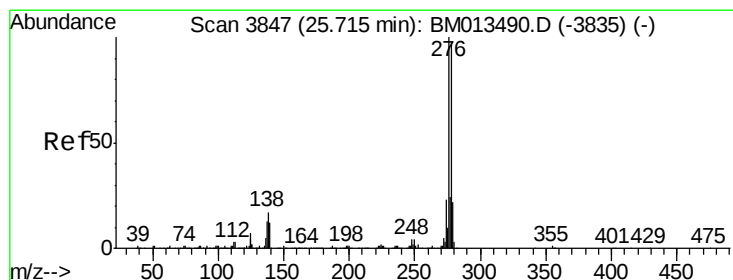
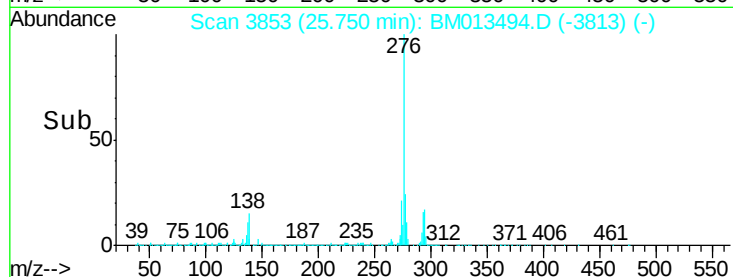
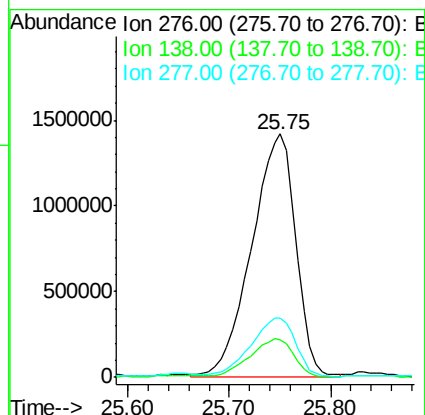
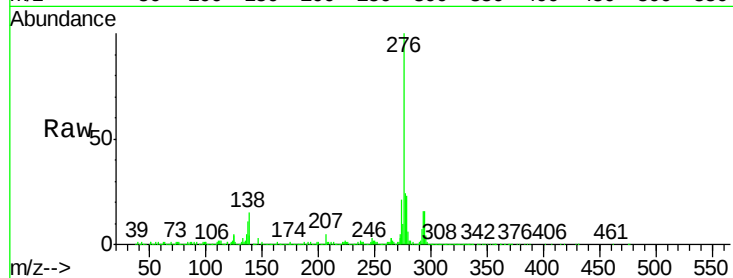


#89

Indeno(1,2,3-cd)pyrene
Concen: 84.364 ng/ul
RT: 25.75 min Scan# 3853
Delta R.T. 0.04 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

Instrument :
BNA_M
ClientSampleId :
F9A50ME

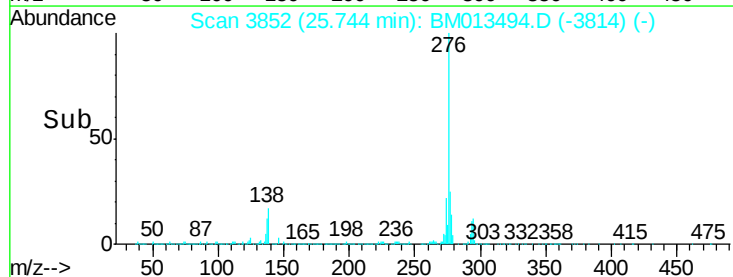
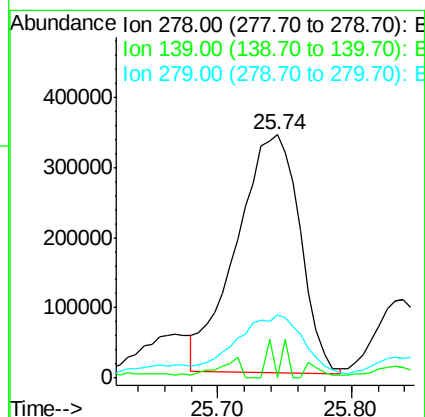
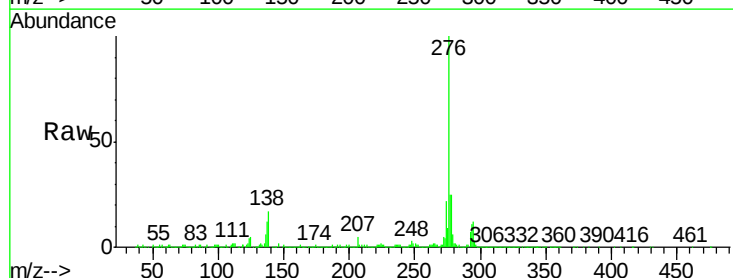
Tgt Ion:276 Resp: 4280454
Ion Ratio Lower Upper
276 100
138 15.2 9.3 13.9#
277 24.1 19.9 29.9

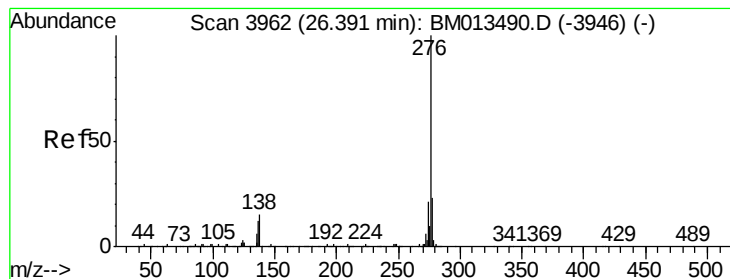


#90

Dibenzo(a,h)anthracene
Concen: 25.760 ng/ul
RT: 25.74 min Scan# 3852
Delta R.T. 0.02 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

Tgt Ion:278 Resp: 1112905
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 25.7 18.6 27.8





#91

Benzo(g,h,i)perylene

Concen: 79.364 ng/ul

RT: 26.43 min Scan# 3969

Delta R.T. 0.04 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Instrument :

BNA_M

ClientSampleId :

F9A50ME

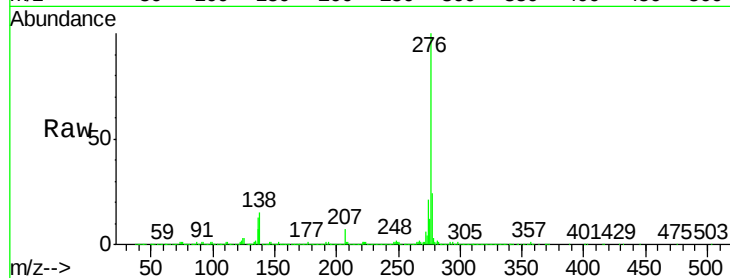
Tgt Ion:276 Resp: 3176257

Ion Ratio Lower Upper

276 100

138 15.4 8.5 12.7#

277 23.8 18.6 28.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

