

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082916\
 Data File : BM007310.D
 Acq On : 29 Aug 2016 15:37
 Operator : UM/SJ
 Sample : H4575-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA259

Quant Time: Aug 30 02:26:08 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 30 02:26:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	93591	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	462155	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	347633	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	979600	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	1413794	20.00	ng/ul	0.00
83) Perylene-d12	23.62	264	1630351	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	7964	4.35	ng/uL	0.00
5) Phenol-d5	6.96	99	199513	22.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	105925	22.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	147076	22.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	174410	22.62	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	74702	22.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	88240	22.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	180344	22.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	224343	22.80	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	898296	29.95	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	926703	26.66	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	150156	26.52	ng/ul	0.00
57) Fluorene-d10	15.42	176	801703	30.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	141840	23.03	ng/ul	0.00
70) Anthracene-d10	17.27	188	1529129	33.42	ng/ul	0.00
76) Pyrene-d10	19.56	212	1976239	33.43	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	2501515	33.31	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	6.99	94	433910	47.32 ng/ul	95
20) Nitrobenzene	8.99	77	340068	39.02 ng/ul	100
21) Isophorone	9.51	82	870907	49.06 ng/ul	99
28) Naphthalene	10.63	128	1208696	52.59 ng/ul	100
30) 4-Chloroaniline	10.63	127	159801	15.78 ng/ul#	6
34) 2-Methylnaphthalene	12.24	142	782504	41.59 ng/ul	99
38) 2,4,6-Trichlorophenol	12.86	196	482222	58.89 ng/ul	99
39) 2,4,5-Trichlorophenol	12.86	196	482222	56.50 ng/ul	98
40) 1,1'-Biphenyl	13.26	154	987149	36.62 ng/ul	98
44) Dimethylphthalate	13.88	163	369987	12.39 ng/ul	99
47) Acenaphthylene	14.15	152	872672	24.40 ng/ul	98
53) Dibenzofuran	14.83	168	1844895	52.96 ng/ul	95
56) Diethylphthalate	15.25	149	1423584	45.69 ng/ul	98
66) Hexachlorobenzene	16.48	284	480840	38.82 ng/ul	98
68) Pentachlorophenol	16.82	266	524892	65.67 ng/ul	99
71) Anthracene	17.30	178	2814429	51.84 ng/ul	99
72) Carbazole	17.58	167	3120511	66.14 ng/ul	98
74) Fluoranthene	19.23	202	3590724	54.41 ng/ul	98
80) Benzo(a)anthracene	21.34	228	3482143	41.78 ng/ul	100
81) Bis(2-ethylhexyl)phthalate	21.27	149	2372242	51.83 ng/ul	99
82) Chrysene	21.34	228	3482143	46.13 ng/ul	97
84) Di-n-octyl phthalate	22.16	149	4578899	56.39 ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.93	276	5657554	49.98 ng/ul	99

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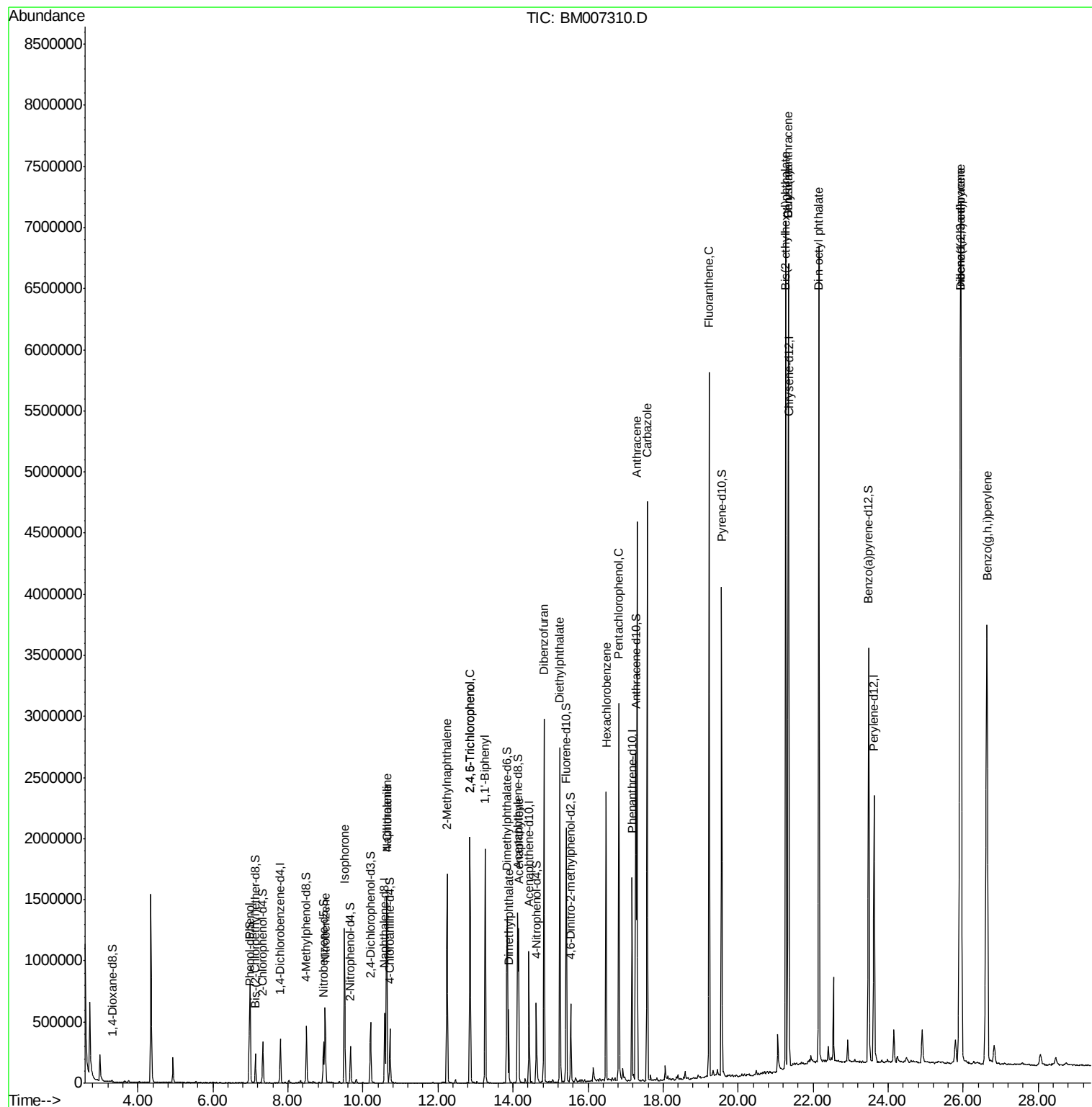
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.94	278	4932855	52.39	ng/ul	98
91) Benzo(g,h,i)perylene	26.63	276	5072427	52.77	ng/ul	98

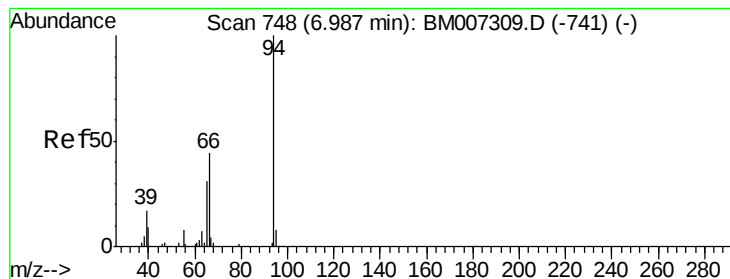
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 47.32 ng/ul

RT: 6.99 min Scan# 749

Delta R.T. 0.01 min

Lab File: BM007310.D

Acq: 29 Aug 2016 15:37

Instrument :

BNA_M

ClientSampleId :

DA259

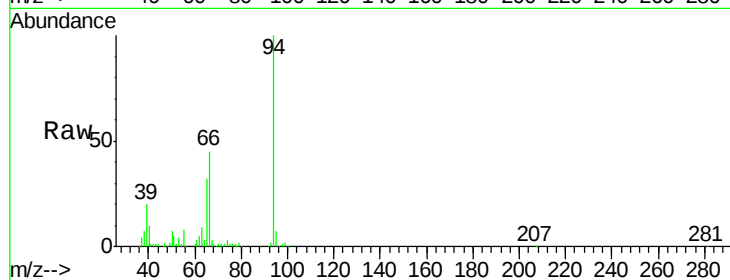
Tgt Ion: 94 Resp: 433910

Ion Ratio Lower Upper

94 100

65 32.4 23.9 35.9

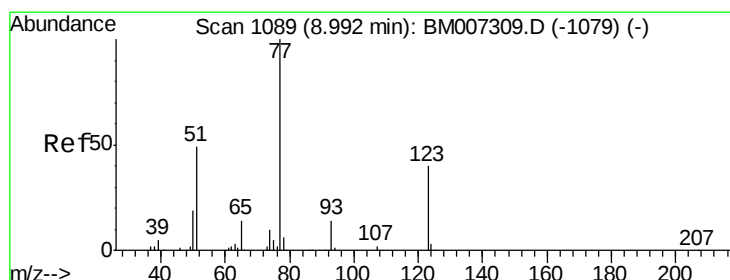
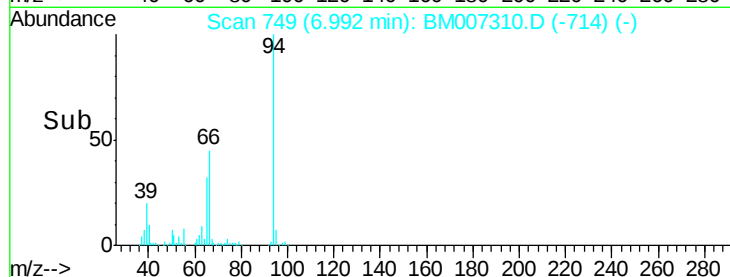
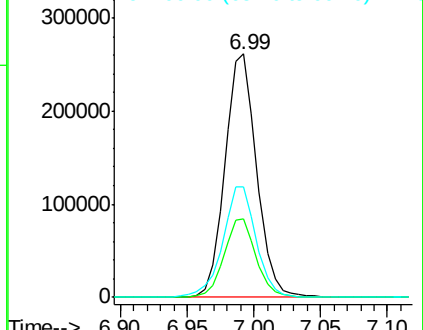
66 45.4 33.5 50.3



Abundance Ion 94.00 (93.70 to 94.70): BM007310.D (-741) (-)

Ion 65.00 (64.70 to 65.70): BM007310.D (-741) (-)

Ion 66.00 (65.70 to 66.70): BM007310.D (-741) (-)



#20

Nitrobenzene

Concen: 39.02 ng/ul

RT: 8.99 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BM007310.D

Acq: 29 Aug 2016 15:37

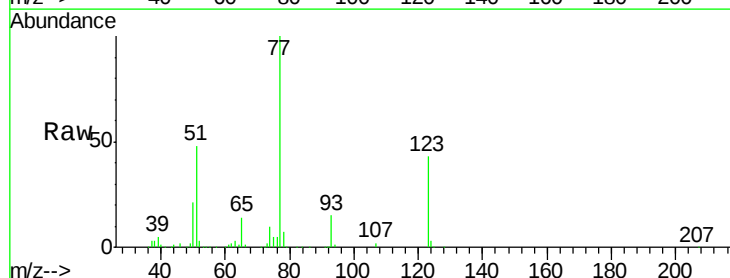
Tgt Ion: 77 Resp: 340068

Ion Ratio Lower Upper

77 100

123 42.6 34.2 51.4

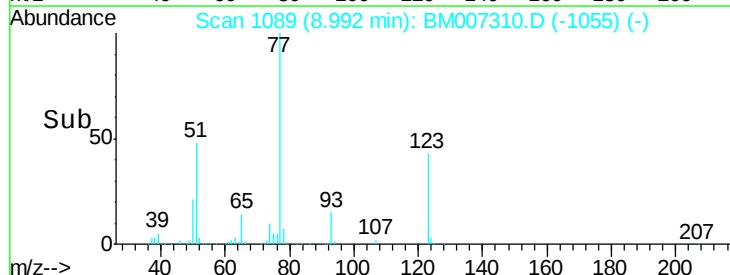
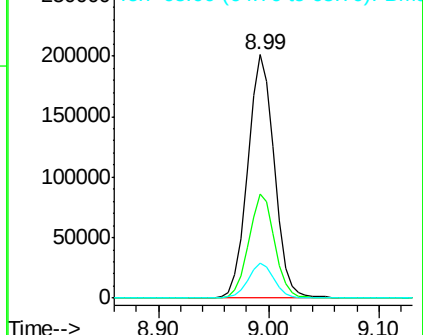
65 14.2 11.0 16.6

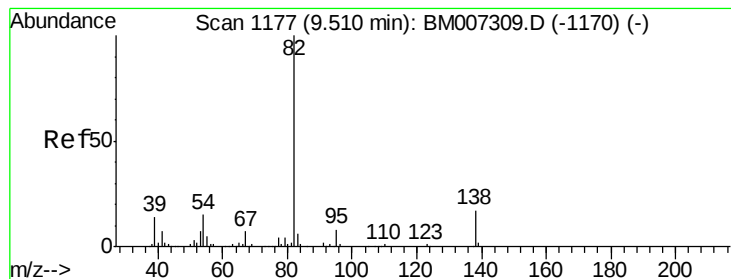


Abundance Ion 77.00 (76.70 to 77.70): BM007310.D (-1055) (-)

Ion 123.00 (122.70 to 123.70): BM007310.D (-1055) (-)

Ion 65.00 (64.70 to 65.70): BM007310.D (-1055) (-)





#21

Isophorone

Concen: 49.06 ng/ul

RT: 9.51 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BM007310.D

Acq: 29 Aug 2016 15:37

Instrument :

BNA_M

ClientSampleId :

DA259

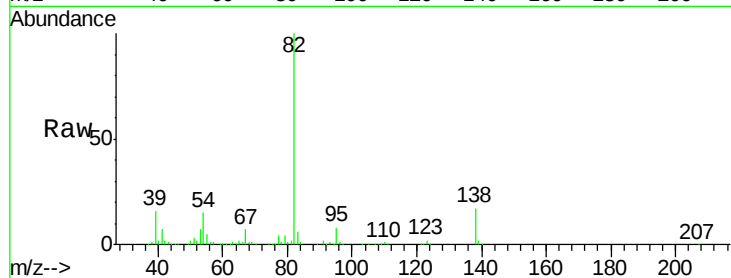
Tgt Ion: 82 Resp: 870907

Ion Ratio Lower Upper

82 100

95 8.4 6.9 10.3

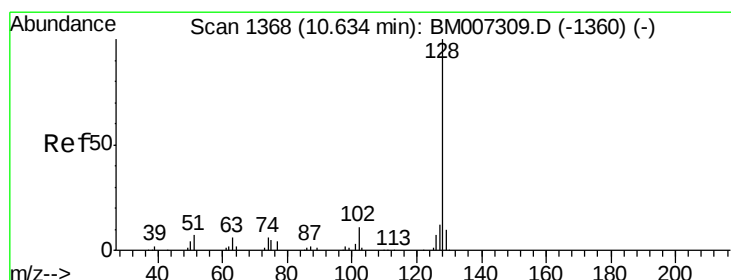
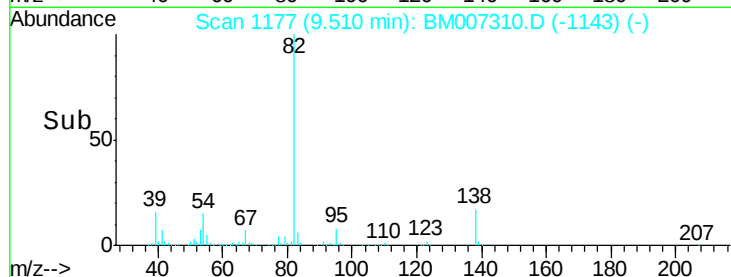
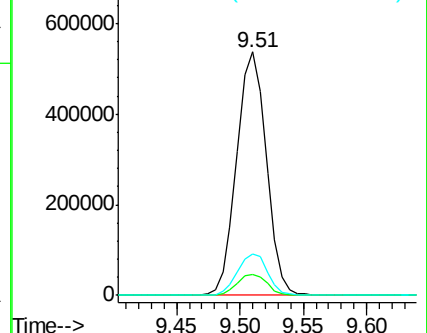
138 17.1 13.8 20.8



Abundance Ion 82.00 (81.70 to 82.70): BM007310.D (-1143) (-)

Ion 95.00 (94.70 to 95.70): BM007310.D (-1143) (-)

Ion 138.00 (137.70 to 138.70): BM007310.D (-1143) (-)



#28

Naphthalene

Concen: 52.59 ng/ul

RT: 10.63 min Scan# 1368

Delta R.T. -0.00 min

Lab File: BM007310.D

Acq: 29 Aug 2016 15:37

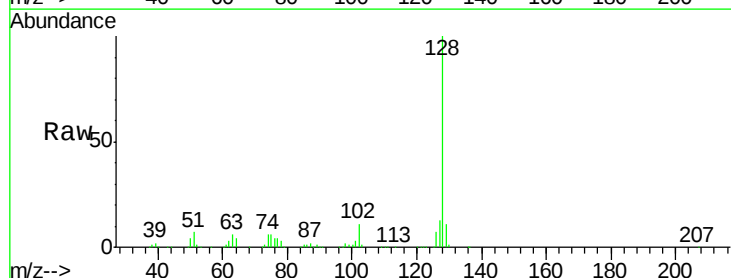
Tgt Ion: 128 Resp: 1208696

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

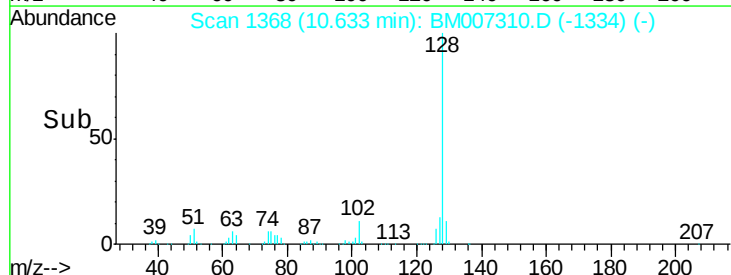
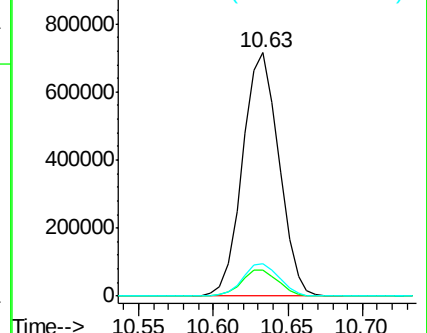
127 13.2 10.6 15.8

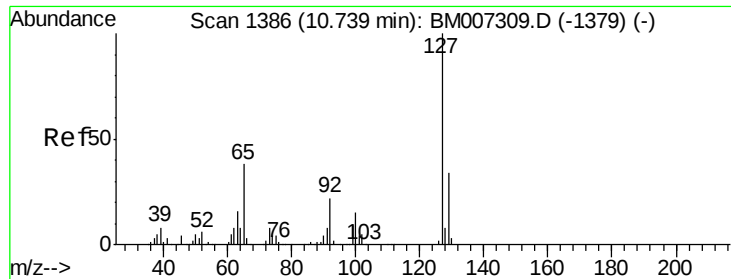


Abundance Ion 128.00 (127.70 to 128.70): BM007310.D (-1334) (-)

Ion 129.00 (128.70 to 129.70): BM007310.D (-1334) (-)

Ion 127.00 (126.70 to 127.70): BM007310.D (-1334) (-)





#30

4-Chloroaniline

Concen: 15.78 ng/ul

RT: 10.63 min Scan# 1368

Delta R.T. -0.11 min

Lab File: BM007310.D

Acq: 29 Aug 2016 15:37

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ClientSampleId :

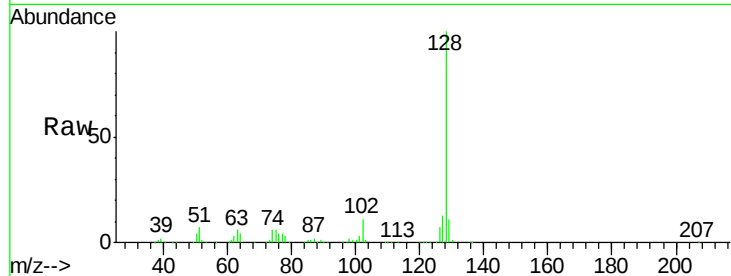
DA259

Tgt Ion:127 Resp: 159801

Ion Ratio Lower Upper

127 100

129 82.2 24.6 37.0#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

10.63

100000

80000

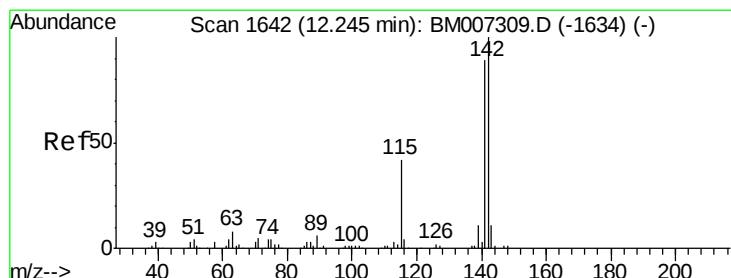
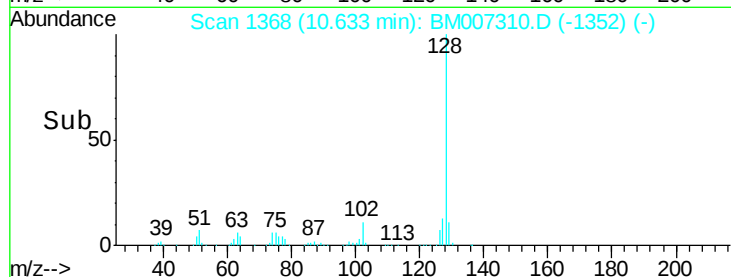
60000

40000

20000

0

Time--> 10.55 10.60 10.65 10.70



#34

2-Methylnaphthalene

Concen: 41.59 ng/ul

RT: 12.24 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BM007310.D

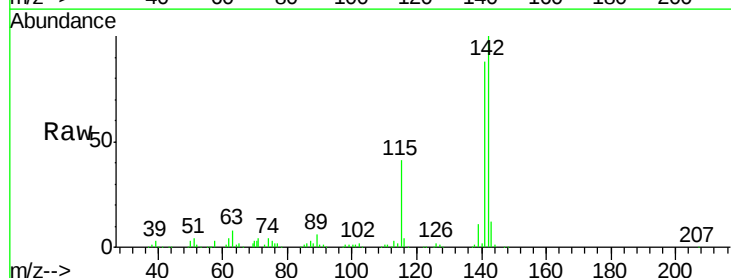
Acq: 29 Aug 2016 15:37

Tgt Ion:142 Resp: 782504

Ion Ratio Lower Upper

142 100

141 87.8 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.24

500000

400000

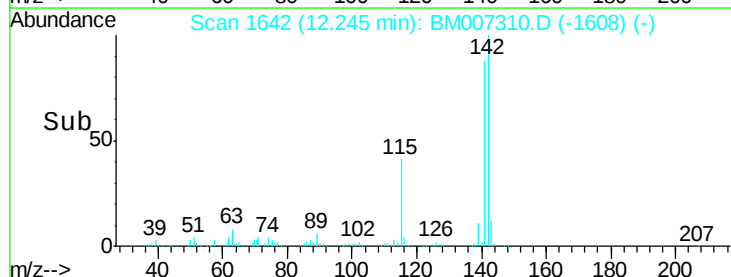
300000

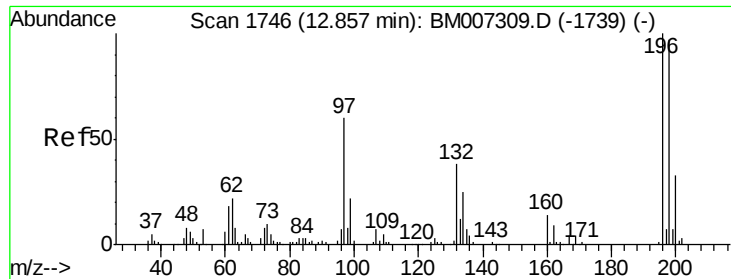
200000

100000

0

Time--> 12.20 12.30

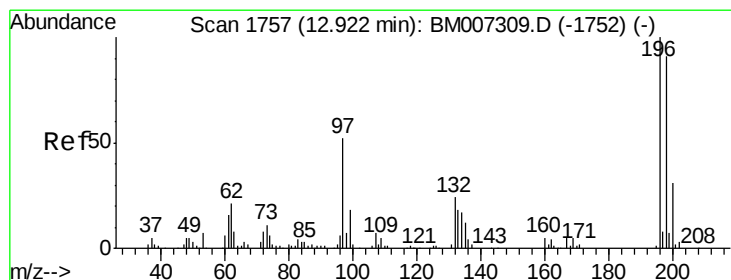
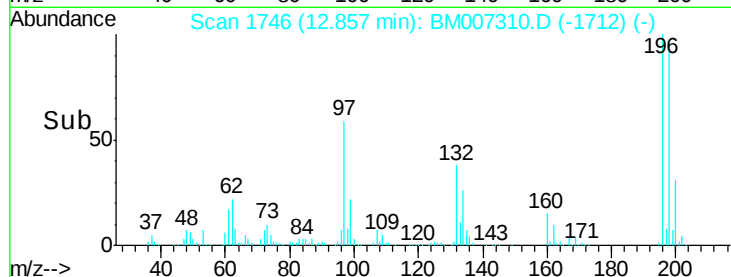
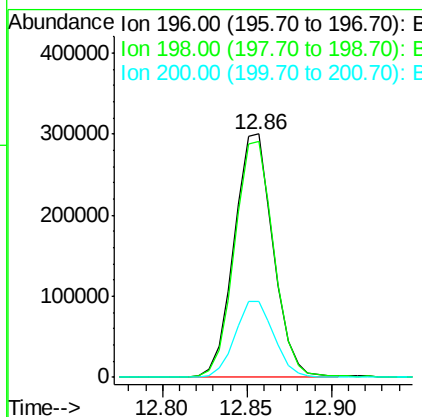
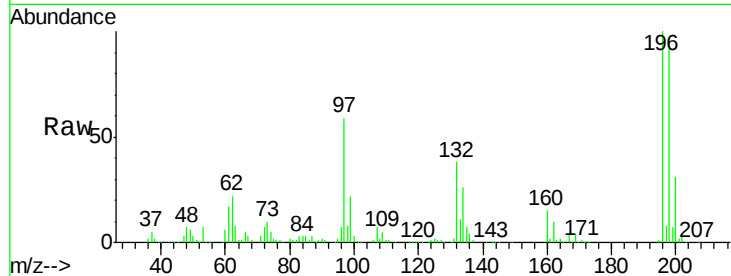




#38
 2,4,6-Trichlorophenol
 Concen: 58.89 ng/ul
 RT: 12.86 min Scan# 1746
 Delta R.T. -0.00 min
 Lab File: BM007310.D
 Acq: 29 Aug 2016 15:37

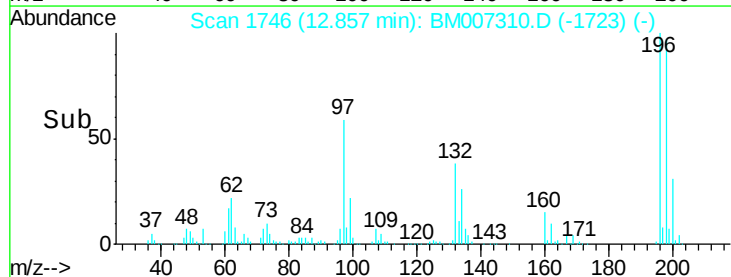
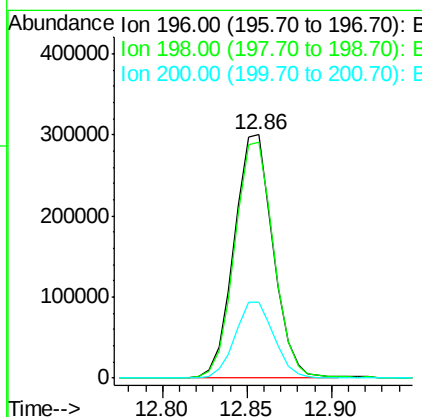
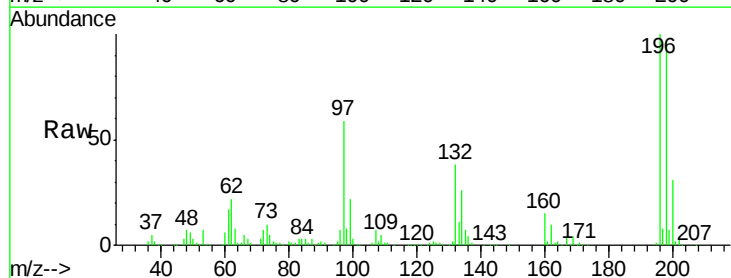
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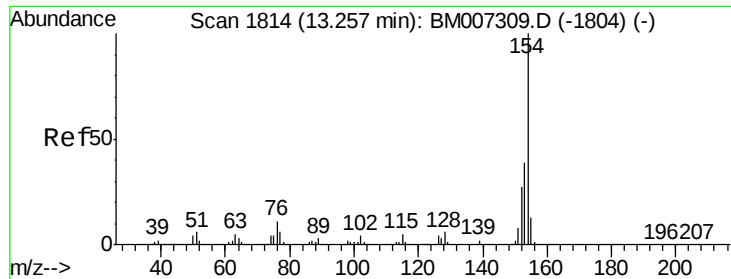
Tgt Ion:196 Resp: 482222
 Ion Ratio Lower Upper
 196 100
 198 97.0 76.9 115.3
 200 31.0 25.1 37.7



#39
 2,4,5-Trichlorophenol
 Concen: 56.50 ng/ul
 RT: 12.86 min Scan# 1746
 Delta R.T. -0.06 min
 Lab File: BM007310.D
 Acq: 29 Aug 2016 15:37

Tgt Ion:196 Resp: 482222
 Ion Ratio Lower Upper
 196 100
 198 97.0 76.8 115.2
 200 31.0 27.0 40.4

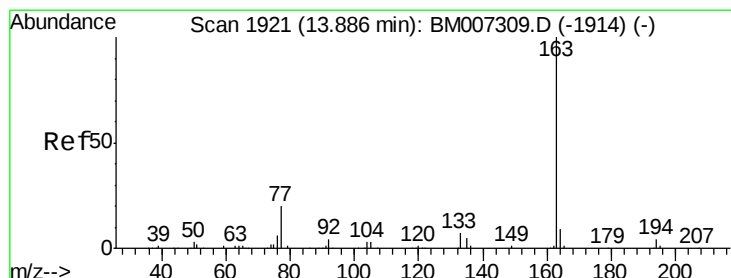
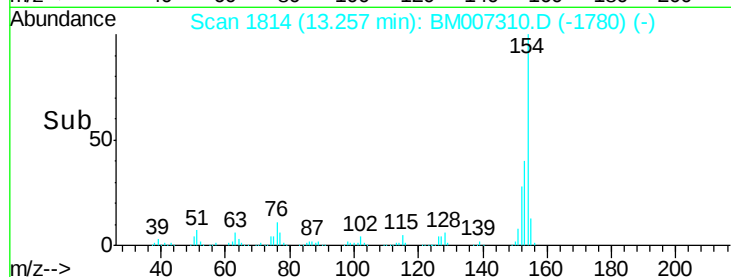
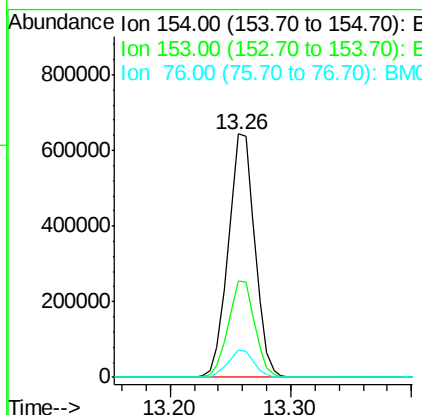
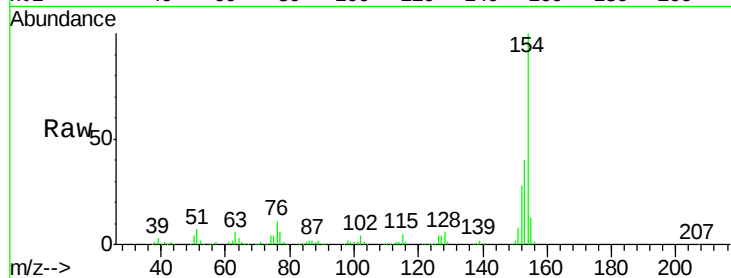




#40
1,1'-Biphenyl
Concen: 36.62 ng/ul
RT: 13.26 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BM007310.D
Acq: 29 Aug 2016 15:37

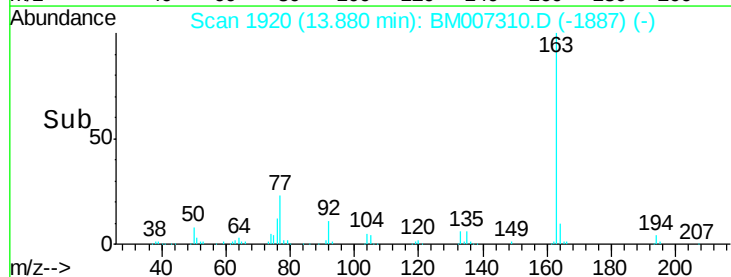
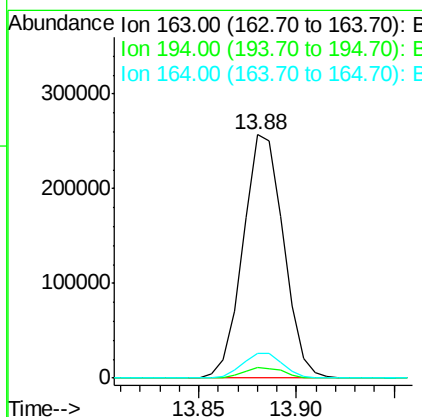
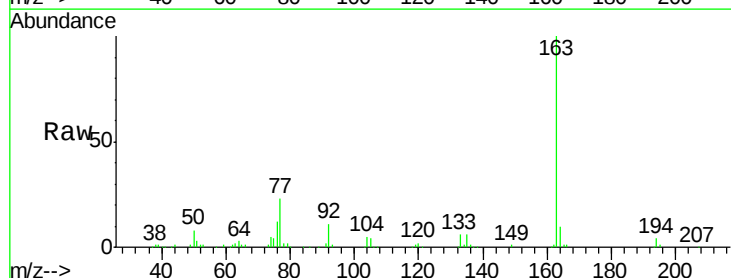
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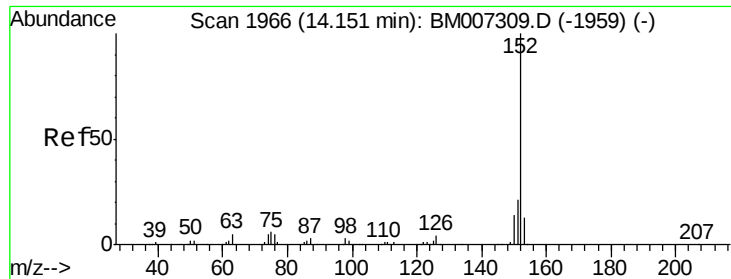
Tgt Ion:154 Resp: 987149
Ion Ratio Lower Upper
154 100
153 39.8 31.3 46.9
76 11.3 10.0 15.0



#44
Dimethylphthalate
Concen: 12.39 ng/ul
RT: 13.88 min Scan# 1920
Delta R.T. -0.01 min
Lab File: BM007310.D
Acq: 29 Aug 2016 15:37

Tgt Ion:163 Resp: 369987
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.2 7.8 11.8

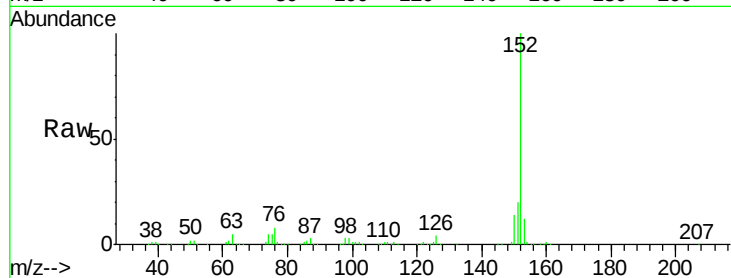




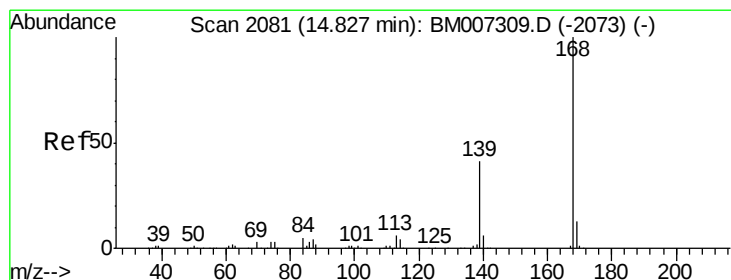
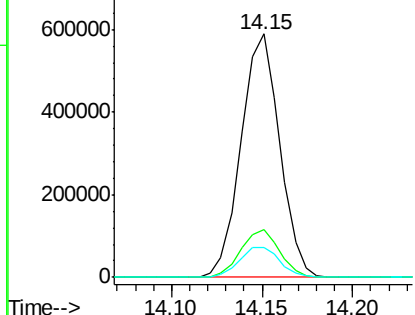
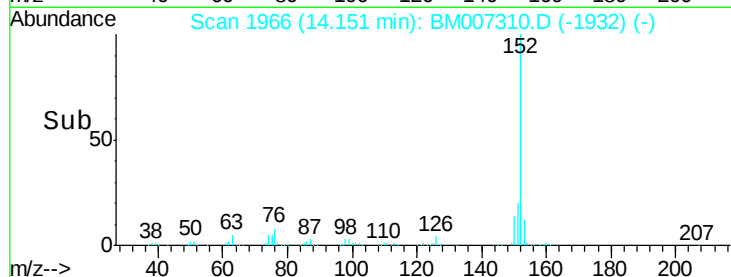
#47
 Acenaphthylene
 Concen: 24.40 ng/ul
 RT: 14.15 min Scan# 1966
 Delta R.T. -0.00 min
 Lab File: BM007310.D
 Acq: 29 Aug 2016 15:37

Instrument :
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 DA259

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.0	24.0
153	12.4	11.0	16.6

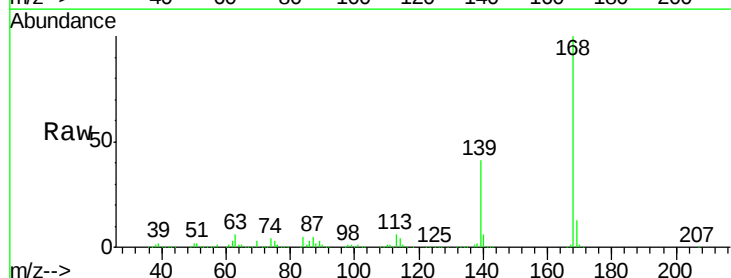


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

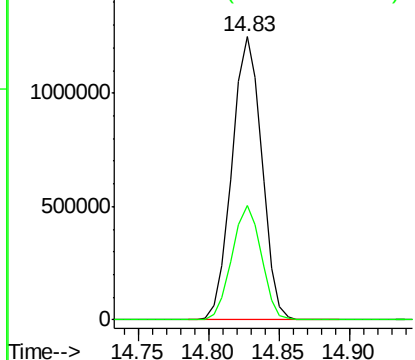
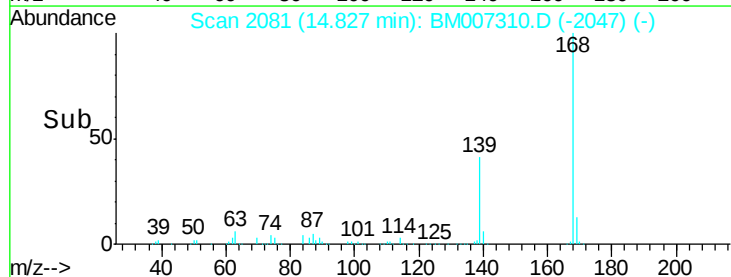


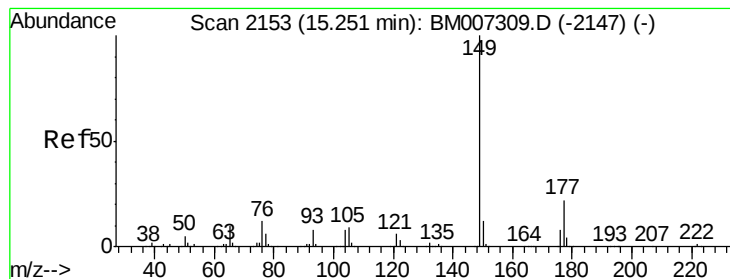
#53
 Dibenzofuran
 Concen: 52.96 ng/ul
 RT: 14.83 min Scan# 2081
 Delta R.T. -0.00 min
 Lab File: BM007310.D
 Acq: 29 Aug 2016 15:37

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.6	30.1	45.1



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E





#56

Diethylphthalate

Concen: 45.69 ng/ul

RT: 15.25 min Scan# 2153

Delta R.T. -0.00 min

Lab File: BM007310.D

Acq: 29 Aug 2016 15:37

Instrument :

BNA_M

ClientSampleId :

DA259

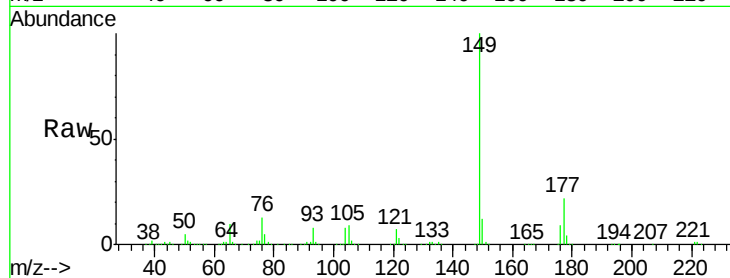
Tgt Ion:149 Resp: 1423584

Ion Ratio Lower Upper

149 100

177 22.0 18.6 28.0

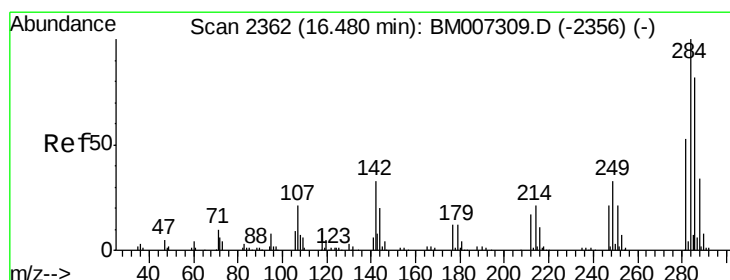
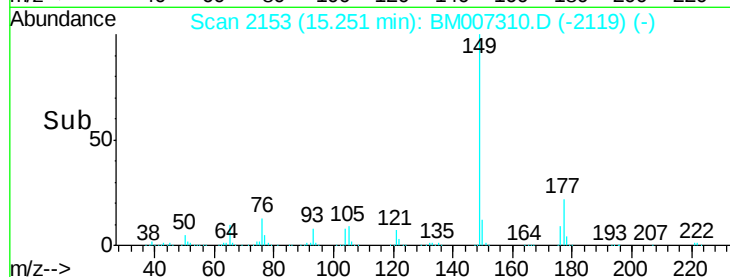
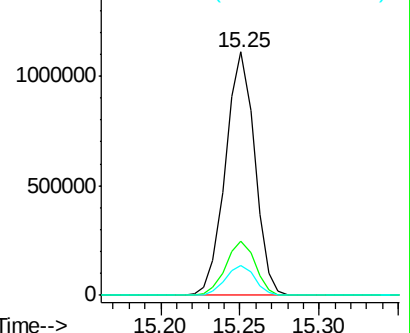
150 12.5 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#66

Hexachlorobenzene

Concen: 38.82 ng/ul

RT: 16.48 min Scan# 2362

Delta R.T. -0.00 min

Lab File: BM007310.D

Acq: 29 Aug 2016 15:37

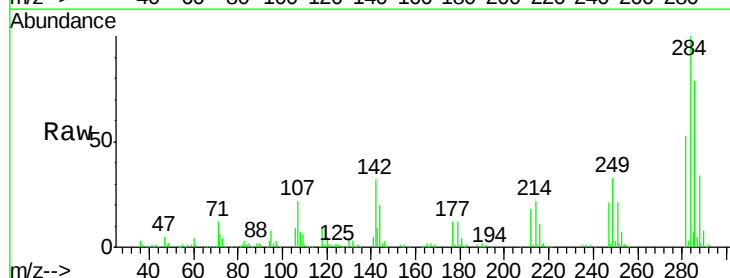
Tgt Ion:284 Resp: 480840

Ion Ratio Lower Upper

284 100

142 32.4 24.9 37.3

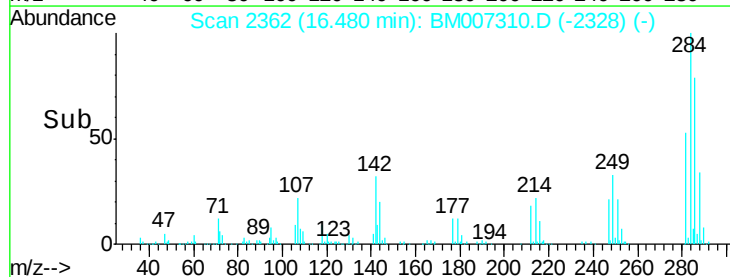
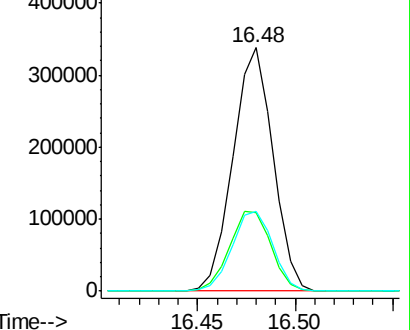
249 32.7 25.5 38.3

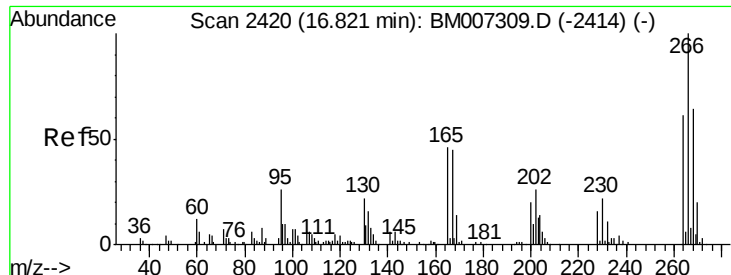


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

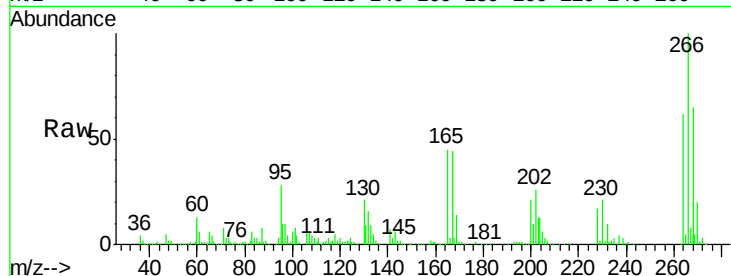




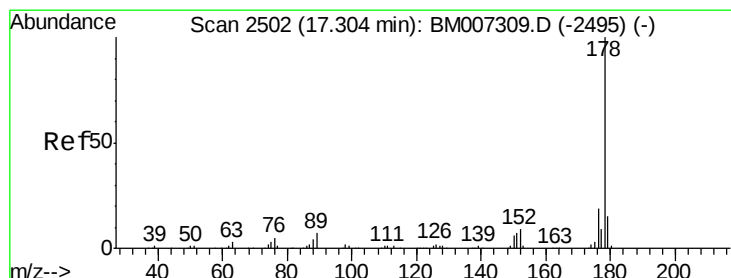
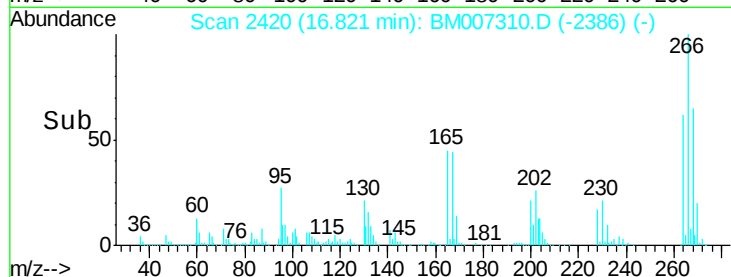
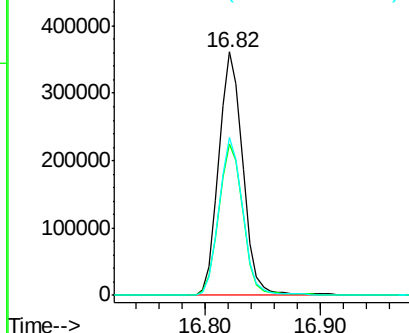
#68
 Pentachlorophenol
 Concen: 65.67 ng/ul
 RT: 16.82 min Scan# 2420
 Delta R.T. -0.00 min
 Lab File: BM007310.D
 Acq: 29 Aug 2016 15:37

Instrument :
 BNA_M
 ClientSampleID :
 DA259

Tgt Ion:266 Resp: 524892
 Ion Ratio Lower Upper
 266 100
 264 62.1 50.6 75.8
 268 64.9 51.0 76.6

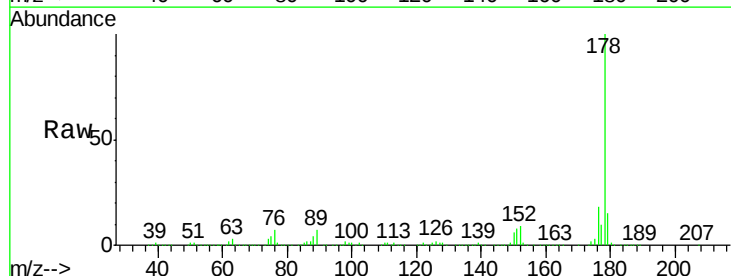


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

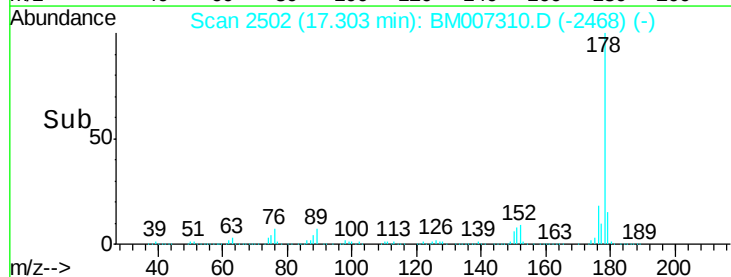
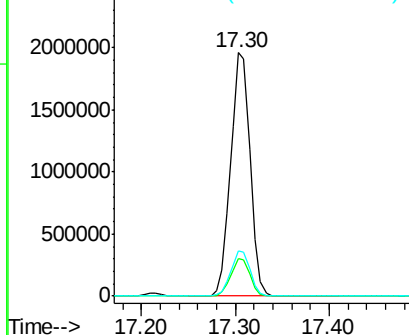


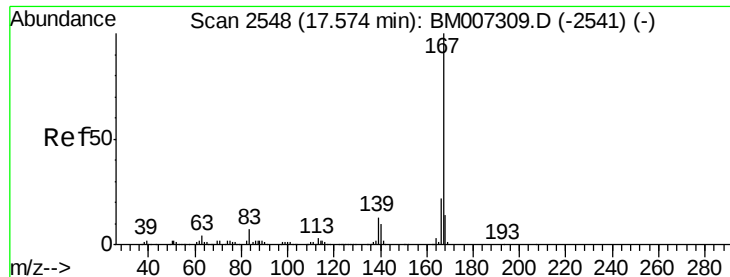
#71
 Anthracene
 Concen: 51.84 ng/ul
 RT: 17.30 min Scan# 2502
 Delta R.T. -0.00 min
 Lab File: BM007310.D
 Acq: 29 Aug 2016 15:37

Tgt Ion:178 Resp: 2814429
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.1 18.1
 176 18.5 14.5 21.7



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

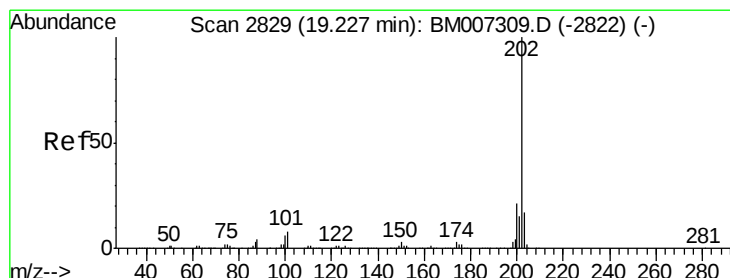
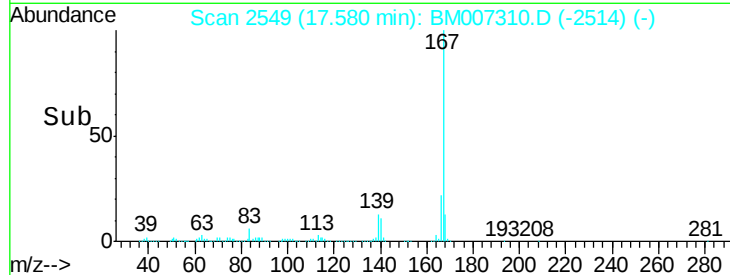
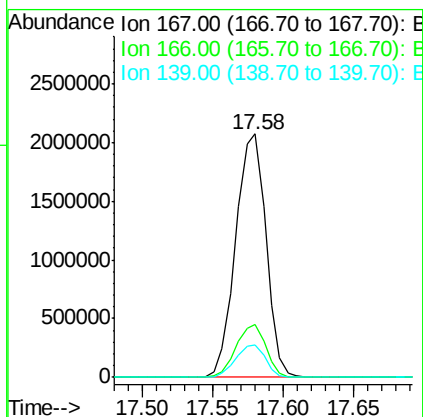
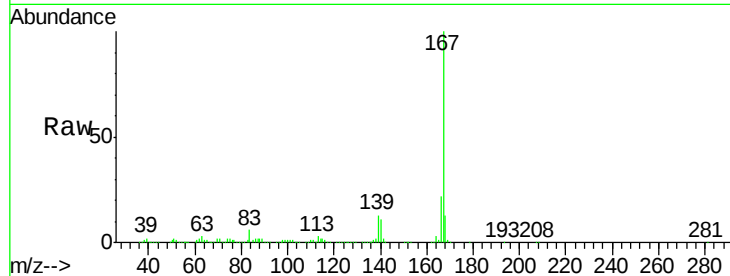




#72
 Carbazole
 Concen: 66.14 ng/ul
 RT: 17.58 min Scan# 2549
 Delta R.T. 0.01 min
 Lab File: BM007310.D
 Acq: 29 Aug 2016 15:37

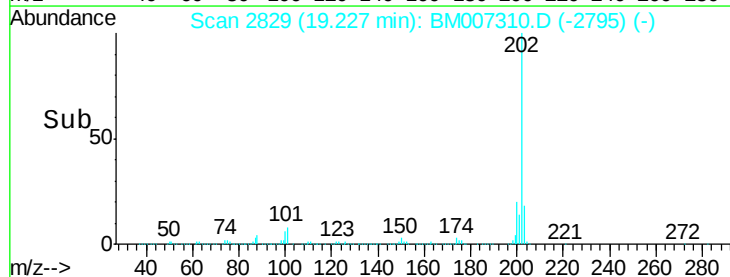
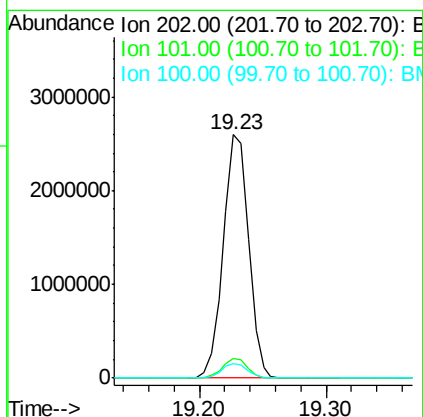
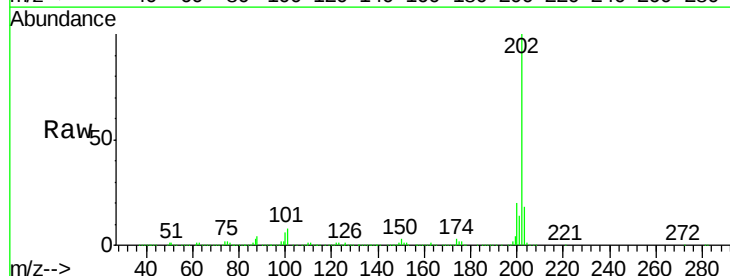
Instrument :
 BNA_M
 ClientSampleId :
 DA259

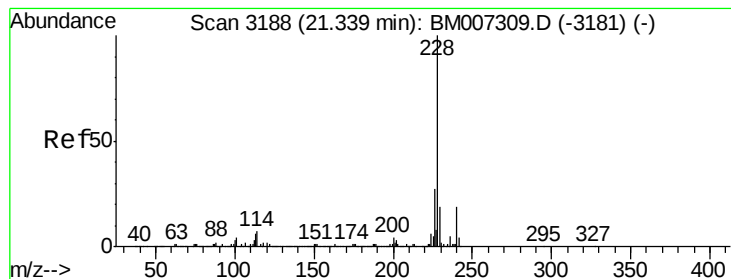
Tgt Ion:167 Resp: 3120511
 Ion Ratio Lower Upper
 167 100
 166 21.5 16.6 25.0
 139 13.4 10.2 15.4



#74
 Fluoranthene
 Concen: 54.41 ng/ul
 RT: 19.23 min Scan# 2829
 Delta R.T. -0.00 min
 Lab File: BM007310.D
 Acq: 29 Aug 2016 15:37

Tgt Ion:202 Resp: 3590724
 Ion Ratio Lower Upper
 202 100
 101 8.1 6.9 10.3
 100 6.1 5.4 8.0





#80

Benzo(a)anthracene

Concen: 41.78 ng/ul

RT: 21.34 min Scan# 3188

Delta R.T. -0.00 min

Lab File: BM007310.D

Acq: 29 Aug 2016 15:37

Instrument :

BNA_M

ClientSampleId :

DA259

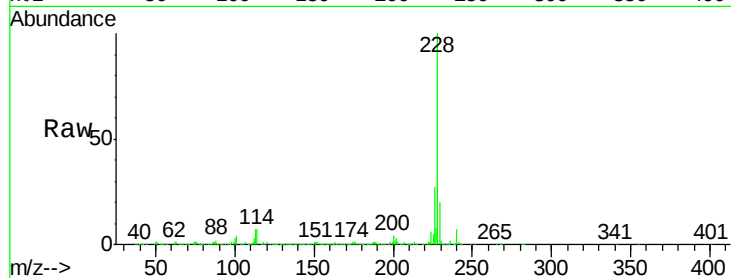
Tgt Ion:228 Resp: 3482143

Ion Ratio Lower Upper

228 100

229 19.9 15.6 23.4

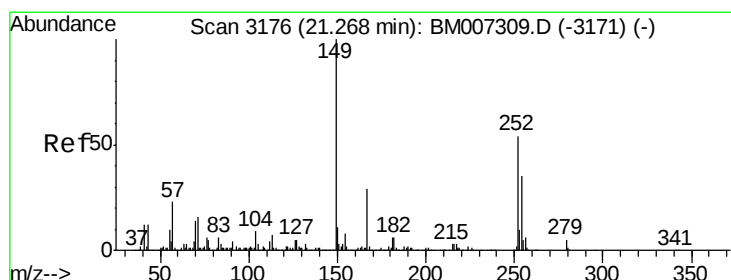
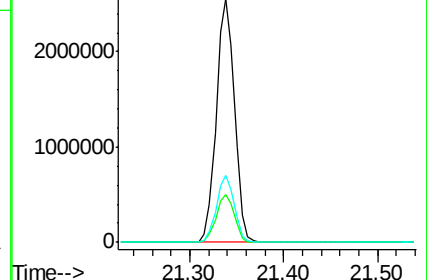
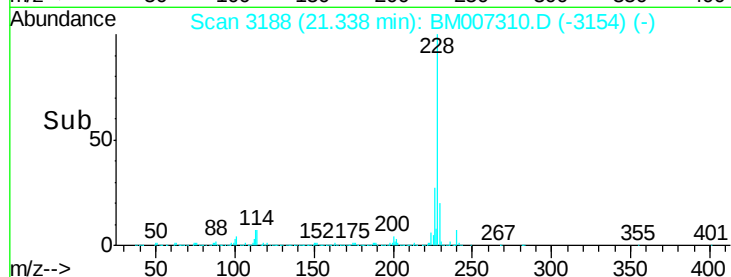
226 27.4 21.8 32.8



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 51.83 ng/ul

RT: 21.27 min Scan# 3176

Delta R.T. -0.00 min

Lab File: BM007310.D

Acq: 29 Aug 2016 15:37

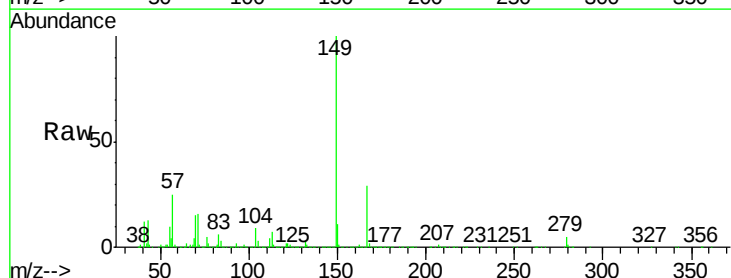
Tgt Ion:149 Resp: 2372242

Ion Ratio Lower Upper

149 100

167 28.6 23.2 34.8

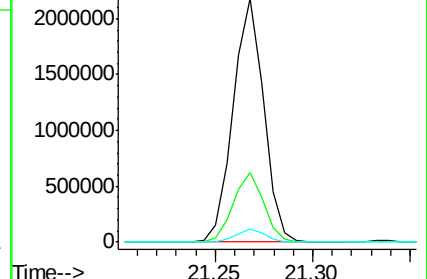
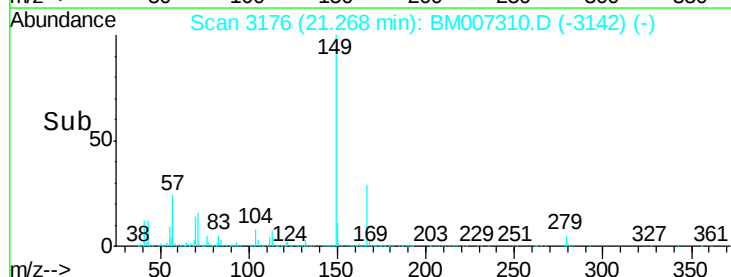
279 5.2 4.1 6.1

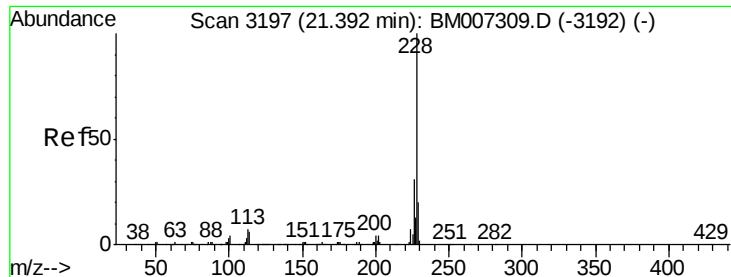


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 46.13 ng/ul

RT: 21.34 min Scan# 3188

Delta R.T. -0.05 min

Lab File: BM007310.D

Acq: 29 Aug 2016 15:37

Instrument :

BNA_M

ClientSampleId :

DA259

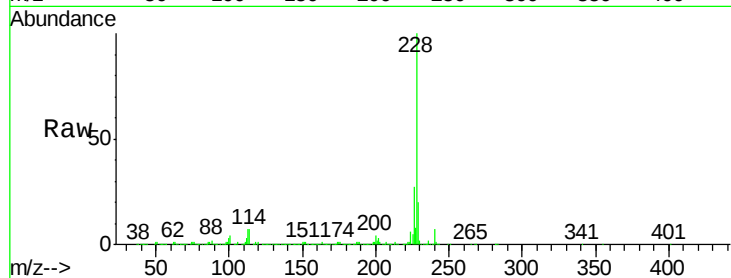
Tgt Ion:228 Resp: 3482143

Ion Ratio Lower Upper

228 100

226 27.4 23.4 35.2

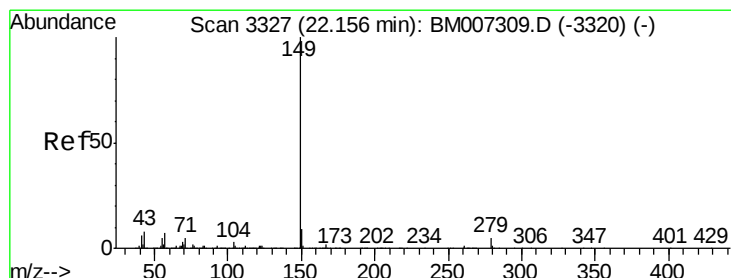
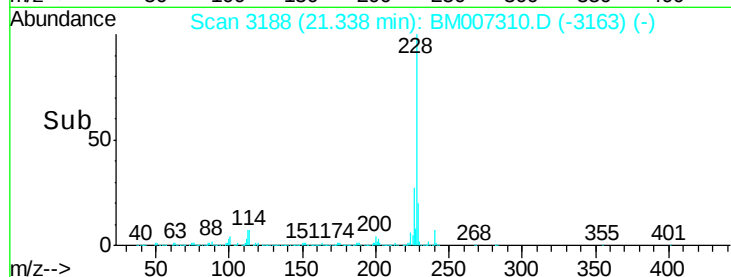
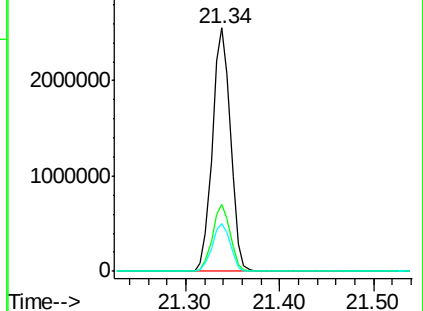
229 19.9 15.5 23.3



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



#84

Di-n-octyl phthalate

Concen: 56.39 ng/ul

RT: 22.16 min Scan# 3327

Delta R.T. -0.00 min

Lab File: BM007310.D

Acq: 29 Aug 2016 15:37

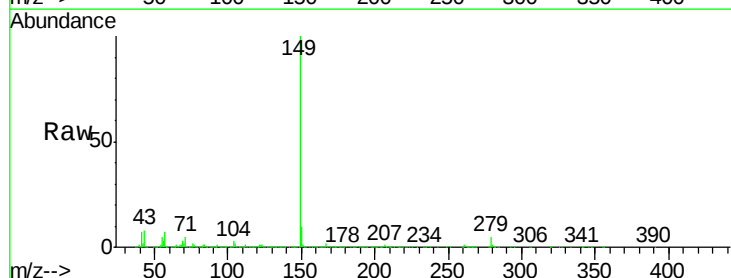
Tgt Ion:149 Resp: 4578899

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

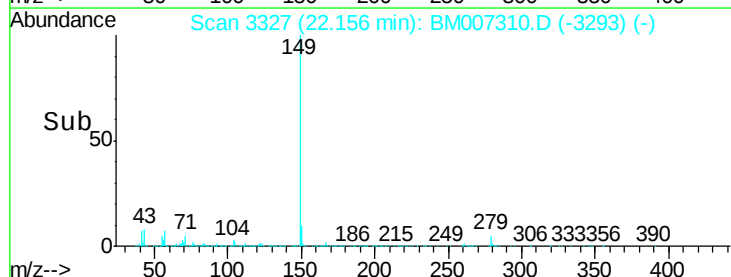
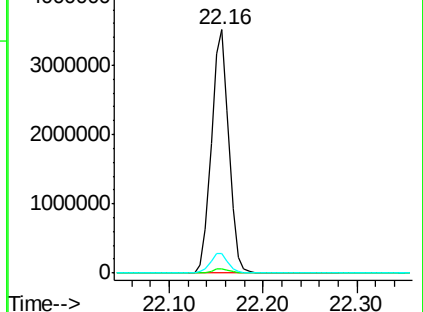
43 7.9 6.6 10.0

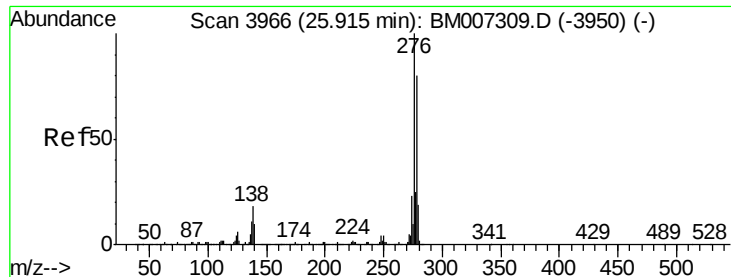


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM





#89

Indeno(1,2,3-cd)pyrene

Concen: 49.98 ng/ul

RT: 25.93 min Scan# 3968

Delta R.T. 0.01 min

Lab File: BM007310.D

Acq: 29 Aug 2016 15:37

Instrument :

BNA_M

ClientSampleId :

DA259

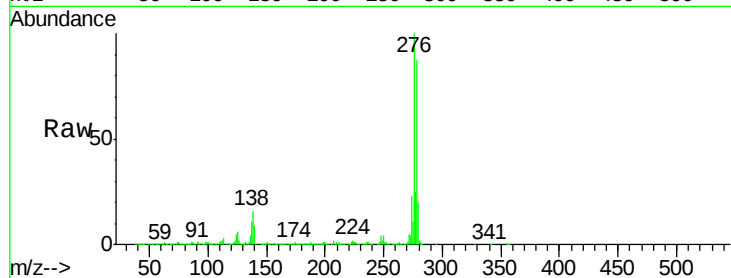
Tgt Ion:276 Resp: 5657554

Ion Ratio Lower Upper

276 100

138 16.5 13.9 20.9

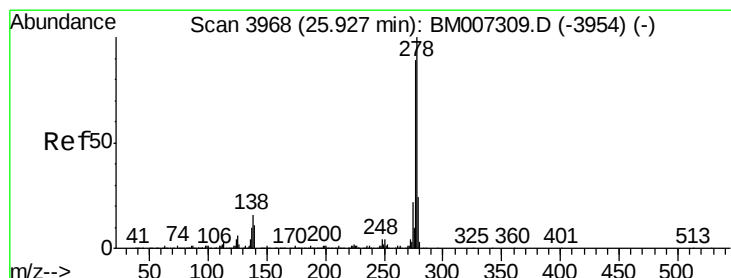
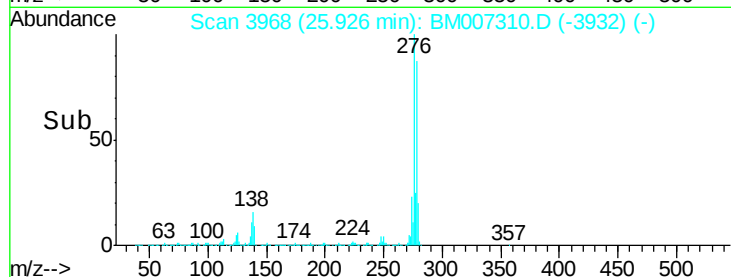
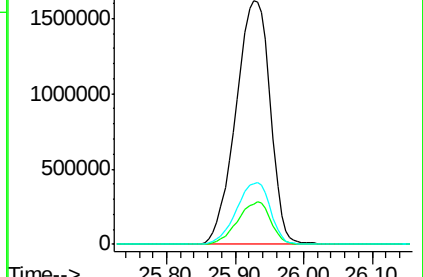
277 25.1 20.1 30.1



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



#90

Dibenzo(a,h)anthracene

Concen: 52.39 ng/ul

RT: 25.94 min Scan# 3971

Delta R.T. 0.02 min

Lab File: BM007310.D

Acq: 29 Aug 2016 15:37

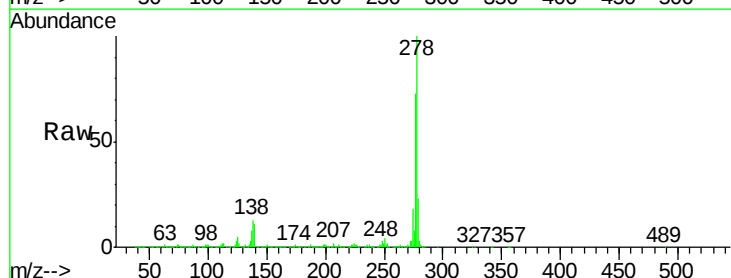
Tgt Ion:278 Resp: 4932855

Ion Ratio Lower Upper

278 100

139 10.7 9.5 14.3

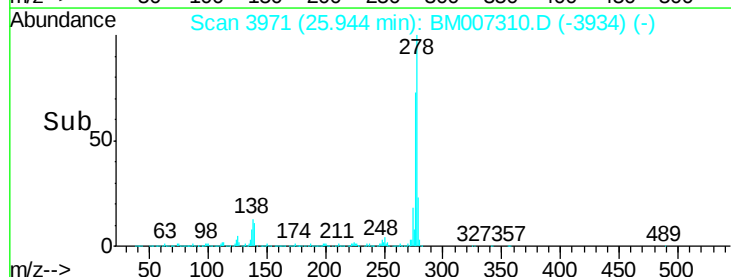
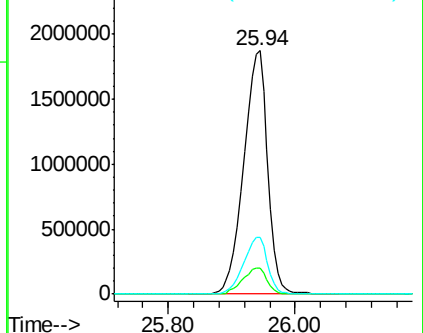
279 23.3 19.1 28.7

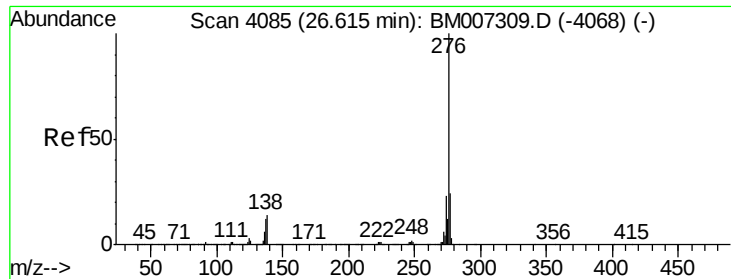


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 52.77 ng/ul

RT: 26.63 min Scan# 4088

Delta R.T. 0.02 min

Lab File: BM007310.D

Acq: 29 Aug 2016 15:37

Instrument :

BNA_M

ClientSampleId :

DA259

Tgt Ion:276 Resp: 5072427

Ion Ratio Lower Upper

276 100

138 15.1 13.5 20.3

277 23.9 19.3 28.9

