

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022717\
 Data File : BM009035.D
 Acq On : 27 Feb 2017 18:45
 Operator : SJ/MA
 Sample : I1943-08
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DABP3

Quant Time: Feb 28 00:11:02 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM022317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 28 00:07:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	199072	20.00	ng/ul	0.00
18) Naphthalene-d8	10.70	136	777711	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.53	164	484130	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.28	188	1173888	20.00	ng/ul	0.00
75) Chrysene-d12	21.45	240	1542384	20.00	ng/ul	0.00
83) Perylene-d12	23.80	264	1462190	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	24101	4.86	ng/uL	0.00
5) Phenol-d5	7.05	99	521847	28.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	374575	28.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	351115	29.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	400046	30.19	ng/ul	0.00
19) Nitrobenzene-d5	9.06	128	170327	30.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.78	143	184628	30.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.31	165	380401	30.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.83	131	478419	36.00	ng/ul	0.00
43) Dimethylphthalate-d6	13.94	166	1277234	39.19	ng/ul	0.00
46) Acenaphthylene-d8	14.23	160	1531362	38.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	210103	36.91	ng/ul	0.00
57) Fluorene-d10	15.53	176	1146206	37.66	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	211517	29.94	ng/ul	0.00
70) Anthracene-d10	17.38	188	1900399	34.19	ng/ul	0.00
76) Pyrene-d10	19.67	212	2261990	33.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.65	264	2356641	35.50	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.07	94	326086	17.13	ng/ul#	67
10) 2-Chlorophenol	7.46	128	216786	17.31	ng/ul#	78
12) 2,2'-oxybis(1-Chloropropan	8.42	45	606056	24.61	ng/ul#	94
17) Hexachloroethane	8.97	117	97953	16.15	ng/ul#	76
27) 2,4-Dichlorophenol	10.34	162	229306	18.56	ng/ul#	89
28) Naphthalene	10.75	128	721010	18.49	ng/ul	99
31) Hexachlorobutadiene	11.02	225	260789	25.26	ng/ul	98
45) 2,6-Dinitrotoluene	14.12	165	206418	33.21	ng/ul#	70
49) Acenaphthene	14.60	153	607220	21.67	ng/ul	97
54) 2,4-Dinitrotoluene	14.90	165	312790	34.07	ng/ul#	68
56) Diethylphthalate	15.35	149	935119	28.00	ng/ul	96
58) Fluorene	15.59	166	749536	21.93	ng/ul	94
66) Hexachlorobenzene	16.58	284	335760	22.88	ng/ul	95
68) Pentachlorophenol	16.93	266	373295	41.06	ng/ul	89
71) Anthracene	17.42	178	1105338	16.70	ng/ul	98
77) Pyrene	19.70	202	1710664	19.86	ng/ul#	93
78) Butylbenzylphthalate	20.59	149	1331388	42.96	ng/ul	86
80) Benzo(a)anthracene	21.44	228	1725611	19.61	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.35	149	1535903	34.18	ng/ul	94
82) Chrysene	21.49	228	1712186	20.47	ng/ul	99
85) Benzo(b)fluoranthene	23.09	252	2957834	33.63	ng/ul#	98
86) Benzo(k)fluoranthene	23.13	252	1636619	19.77	ng/ul#	99
88) Benzo(a)pyrene	23.69	252	1587730	19.03	ng/ul#	97

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022717\
Data File : BM009035.D
Acq On : 27 Feb 2017 18:45
Operator : SJ/MA
Sample : I1943-08
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DABP3

Quant Time: Feb 28 00:11:02 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 28 00:07:15 2017
Response via : Initial Calibration

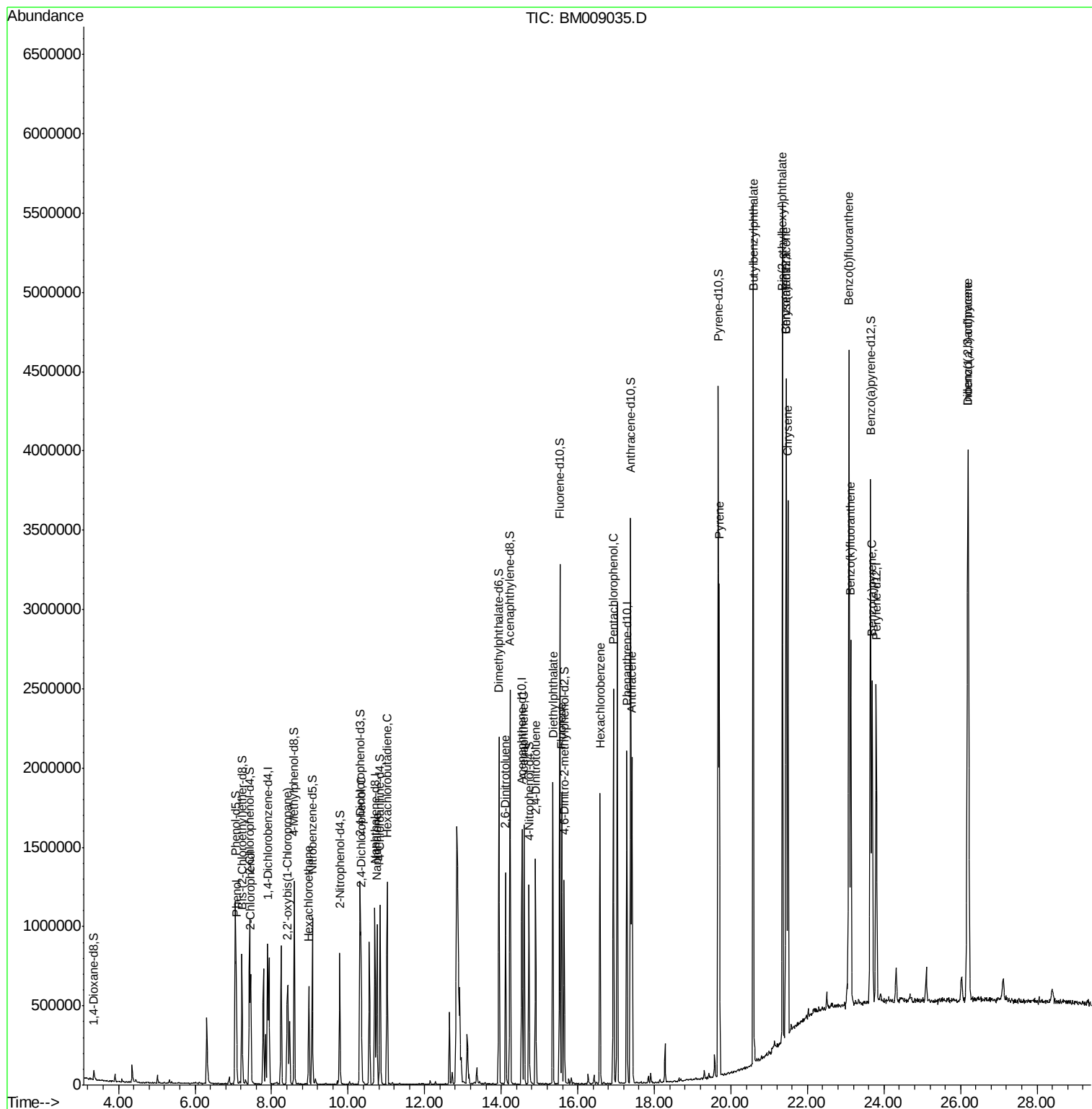
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	26.19	276	2775523	29.30	ng/ul#	93
90) Dibenzo(a,h)anthracene	26.20	278	2065989	25.61	ng/ul#	96

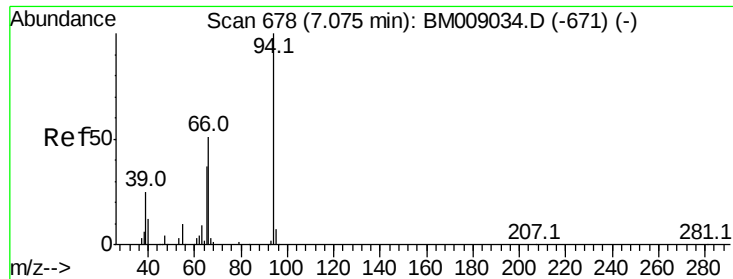
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022717\
Data File : BM009035.D
Acq On : 27 Feb 2017 18:45
Operator : SJ/MA
Sample : I1943-08
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DABP3

Quant Time: Feb 28 00:11:02 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 28 00:07:15 2017
Response via : Initial Calibration





#6

Phenol

Concen: 17.13 ng/ul

RT: 7.07 min Scan# 678

Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

Instrument :

BNA_M

ClientSampled :

DABP3

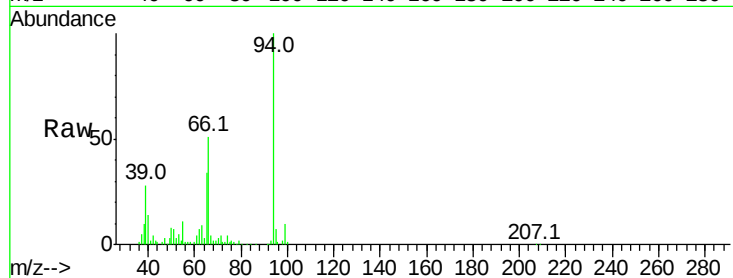
Tot Ion: 94 Resp: 326086

Ion Ratio Lower Upper

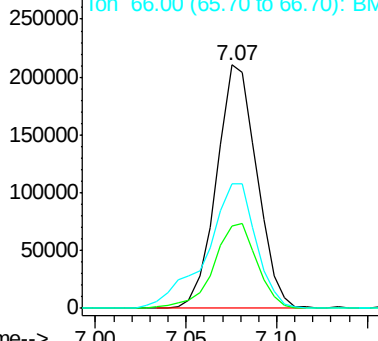
94 100

65 33.9 39.8 59.6#

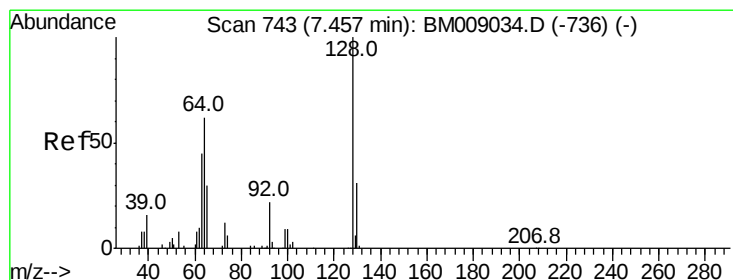
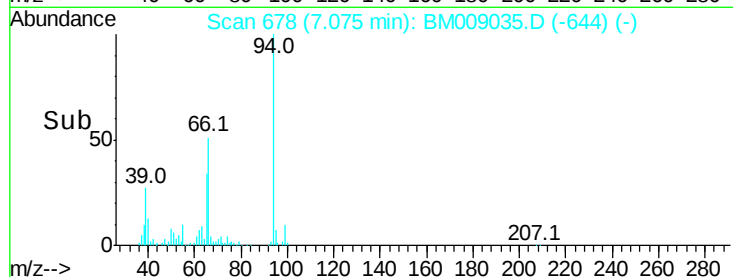
66 51.2 69.9 104.9#



Abundance Ion 94.00 (93.70 to 94.70): BM009035.D (-644) (-)



Time--> 7.00 7.05 7.10



#10

2-Chlorophenol

Concen: 17.31 ng/ul

RT: 7.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

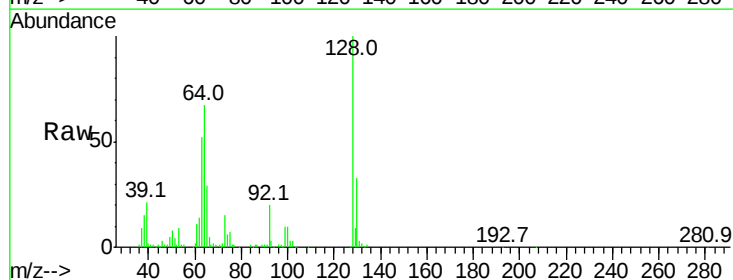
Tgt Ion: 128 Resp: 216786

Ion Ratio Lower Upper

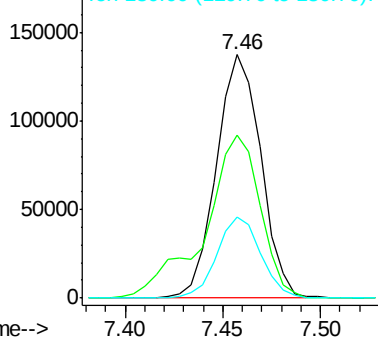
128 100

64 66.9 76.6 115.0#

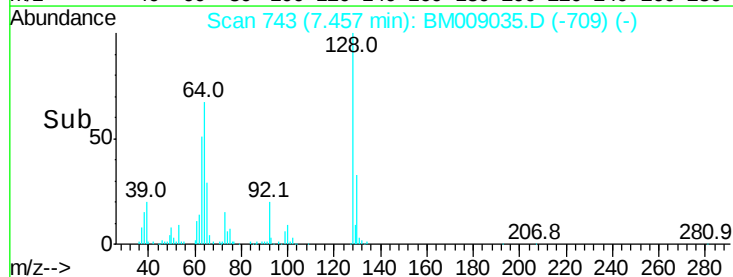
130 33.2 26.5 39.7

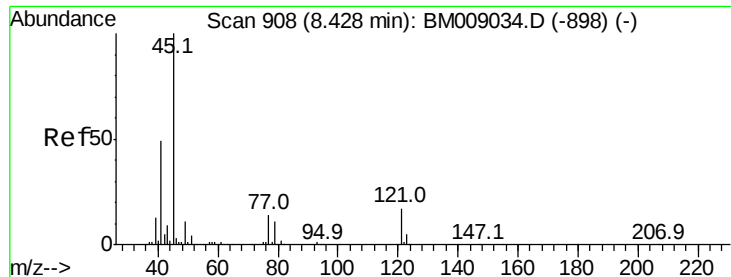


Abundance Ion 128.00 (127.70 to 128.70): BM009035.D (-709) (-)



Time--> 7.40 7.45 7.50

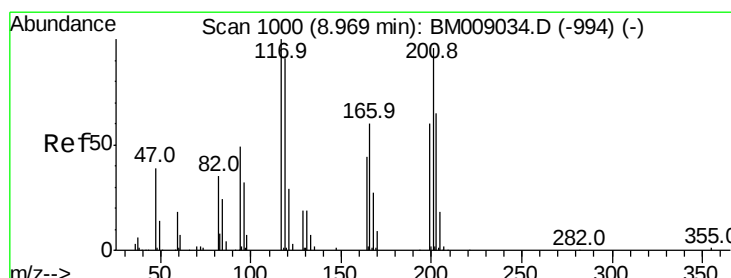
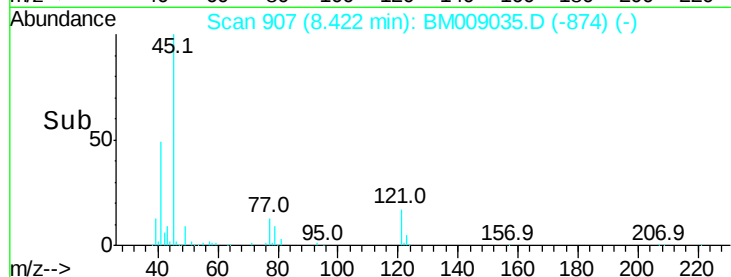
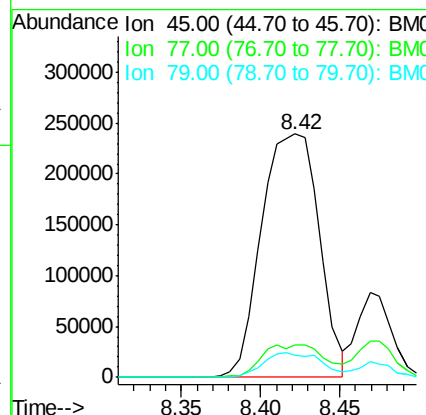
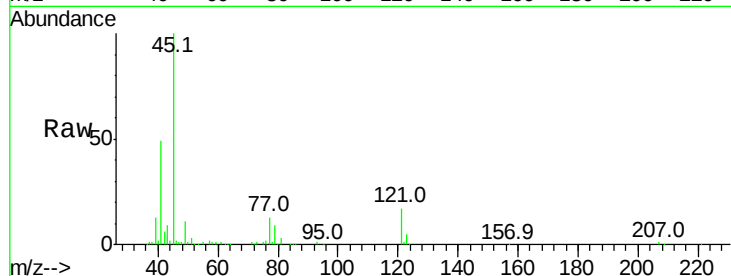




#12
2,2'-oxvbis(1-Chloropropane)
Concen: 24.61 ng/ul
RT: 8.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BM009035.D
Acq: 27 Feb 2017 18:45

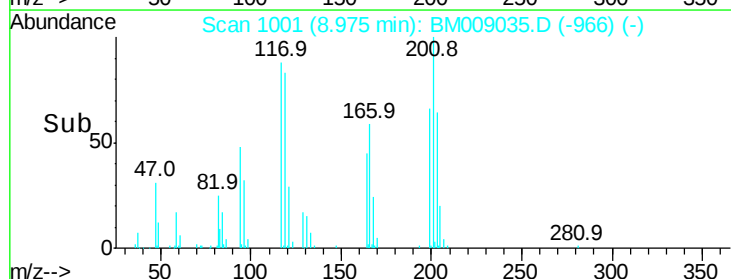
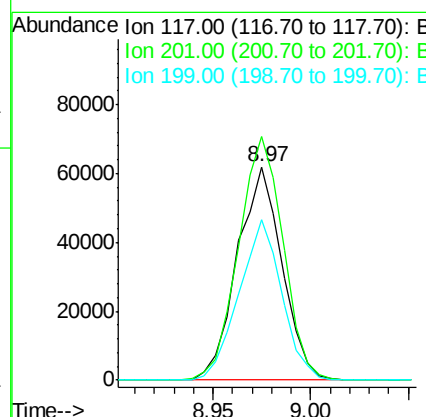
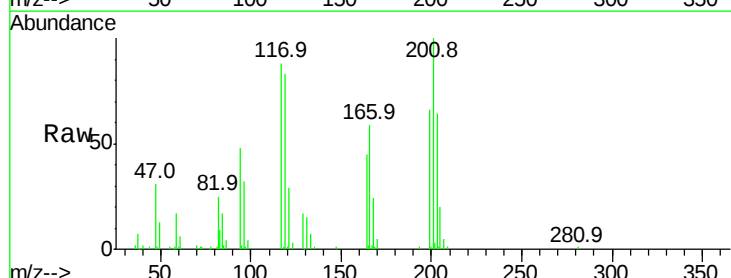
Instrument :
BNA_M
ClientSampleId :
DABP3

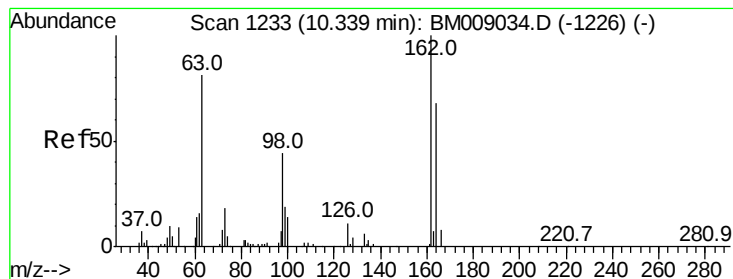
Tot Ion: 45 Resp: 606056
Ion Ratio Lower Upper
45 100
77 13.2 11.9 17.9
79 8.9 9.7 14.5#



#17
Hexachloroethane
Concen: 16.15 ng/ul
RT: 8.97 min Scan# 1001
Delta R.T. 0.01 min
Lab File: BM009035.D
Acq: 27 Feb 2017 18:45

Tgt Ion: 117 Resp: 97953
Ion Ratio Lower Upper
117 100
201 114.3 71.0 106.6#
199 75.2 47.8 71.8#





#27

2,4-Dichlorophenol

Concen: 18.56 ng/ul

RT: 10.34 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

Instrument :

BNA_M

ClientSampleId :

DABP3

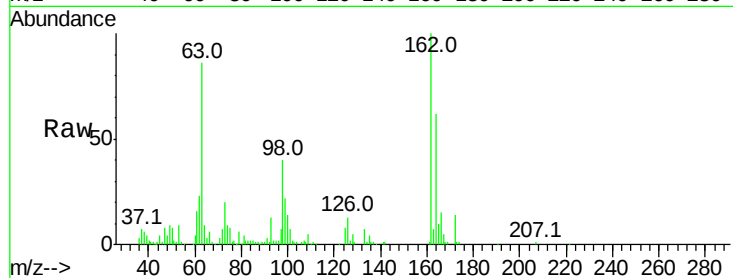
Tot Ion:162 Resp: 229306

Ion Ratio Lower Upper

162 100

164 62.4 52.9 79.3

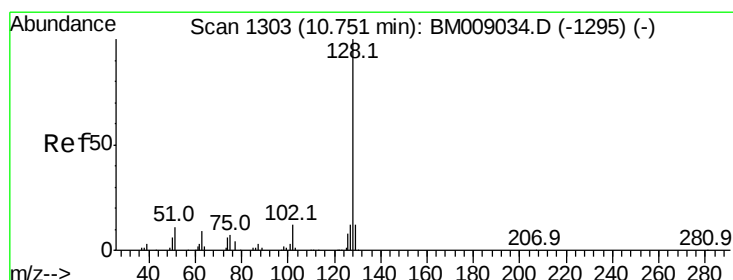
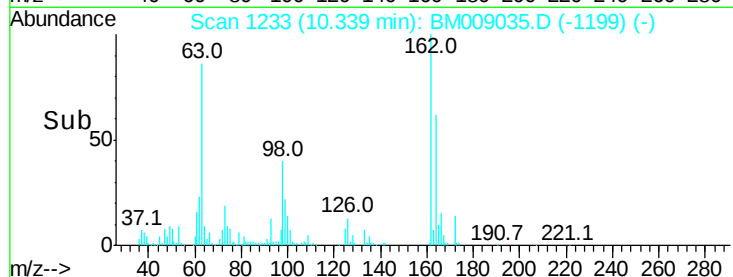
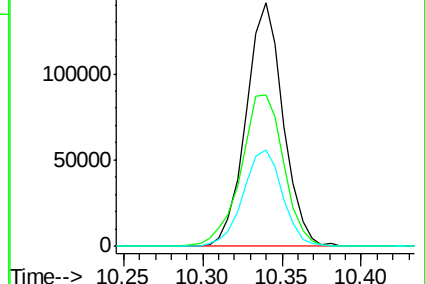
98 39.6 42.0 63.0#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#28

Naphthalene

Concen: 18.49 ng/ul

RT: 10.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

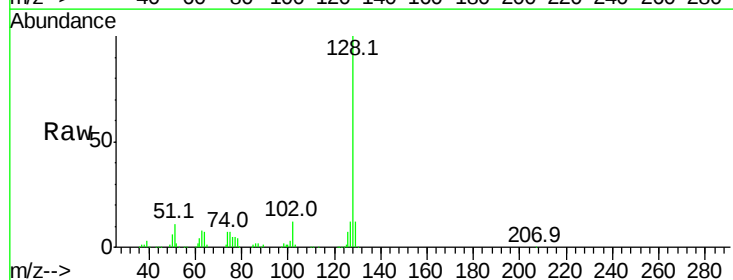
Tgt Ion:128 Resp: 721010

Ion Ratio Lower Upper

128 100

129 11.8 9.7 14.5

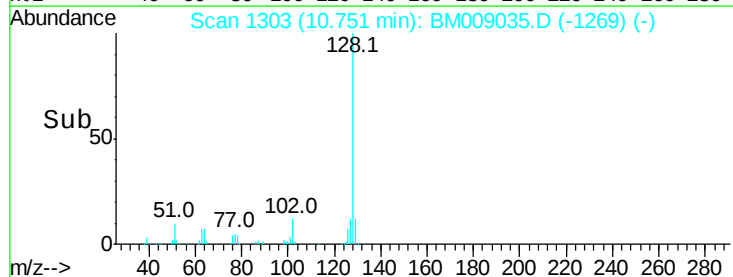
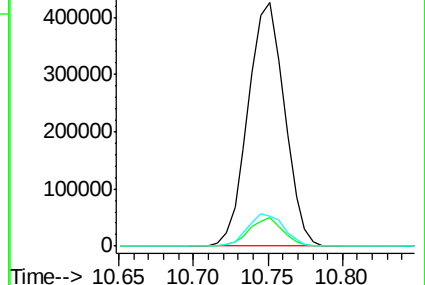
127 12.3 10.2 15.4

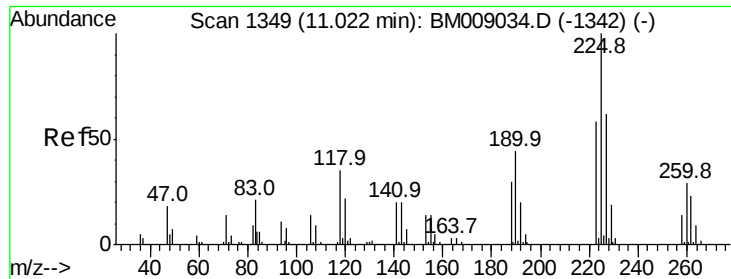


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#31

Hexachlorobutadiene

Concen: 25.26 ng/ul

RT: 11.02 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

Instrument :

BNA_M

ClientSampleId :

DABP3

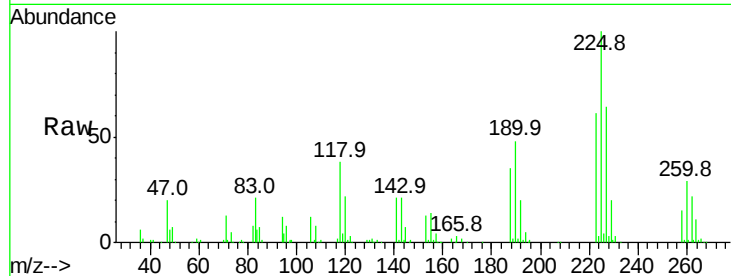
Tot Ion:225 Resp: 260789

Ion Ratio Lower Upper

225 100

223 60.7 50.4 75.6

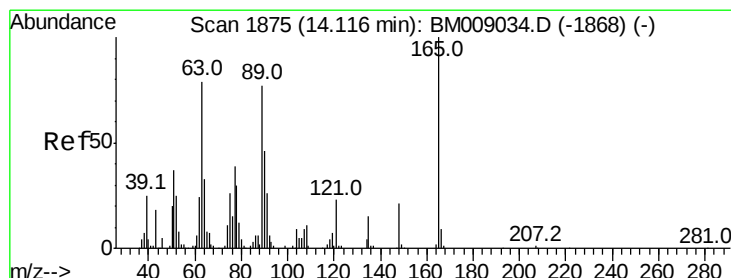
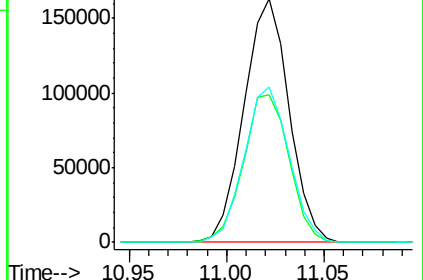
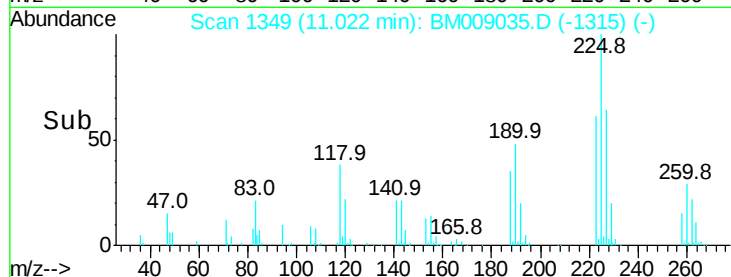
227 63.9 51.0 76.4



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#45

2,6-Dinitrotoluene

Concen: 33.21 ng/ul

RT: 14.12 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

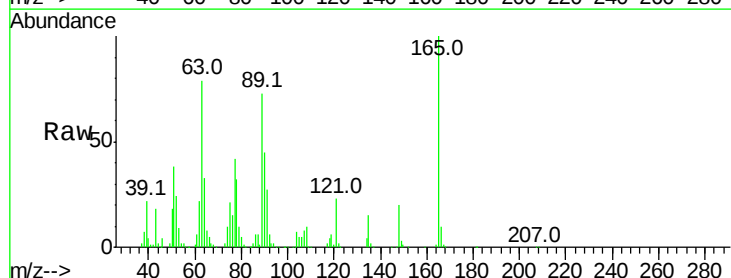
Tgt Ion:165 Resp: 206418

Ion Ratio Lower Upper

165 100

89 73.5 89.4 134.0#

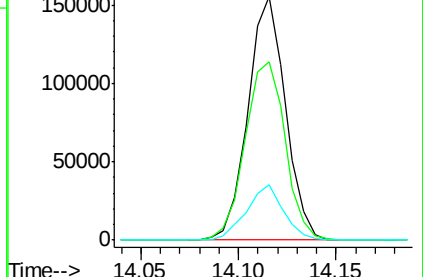
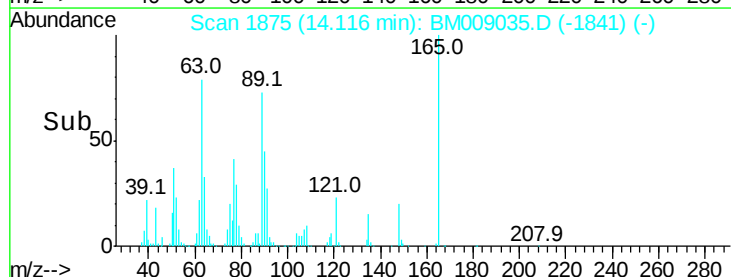
121 23.0 21.6 32.4

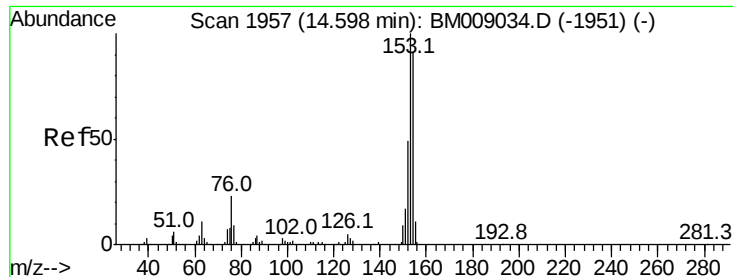


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E





#49

Acenaphthene

Concen: 21.67 ng/ul

RT: 14.60 min Scan# 1957

Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

Instrument :

BNA_M

ClientSampled :

DABP3

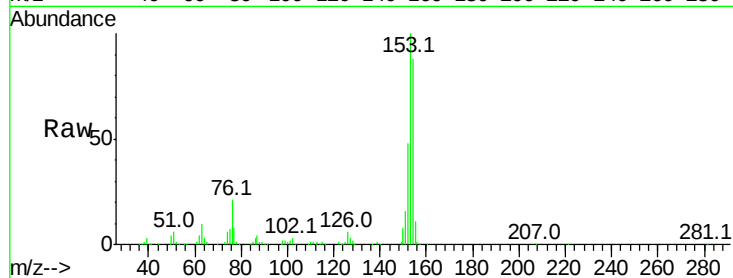
Tot Ion:153 Resp: 607220

Ion Ratio Lower Upper

153 100

152 48.3 36.7 55.1

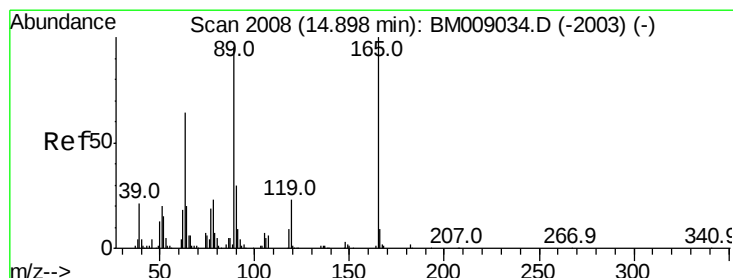
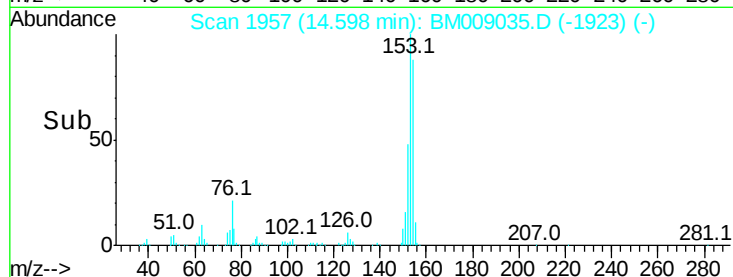
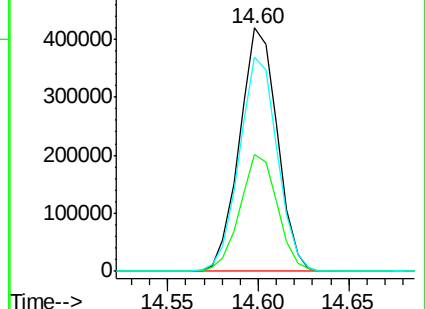
154 87.9 68.3 102.5



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



#54

2,4-Dinitrotoluene

Concen: 34.07 ng/ul

RT: 14.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

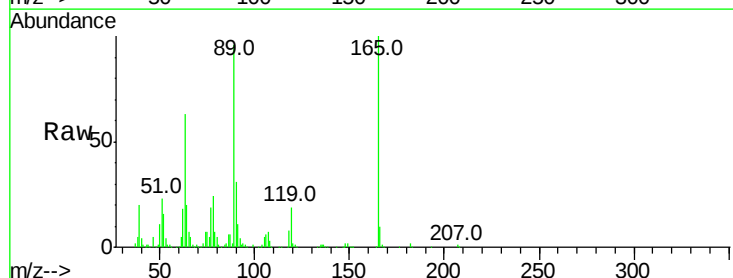
Tgt Ion:165 Resp: 312790

Ion Ratio Lower Upper

165 100

63 63.0 75.7 113.5#

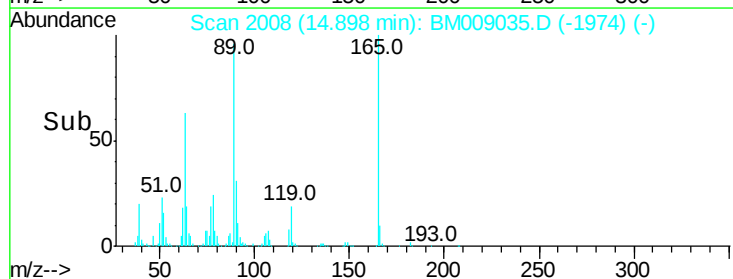
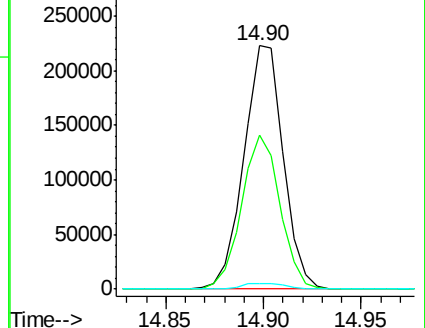
182 2.4 1.7 2.5

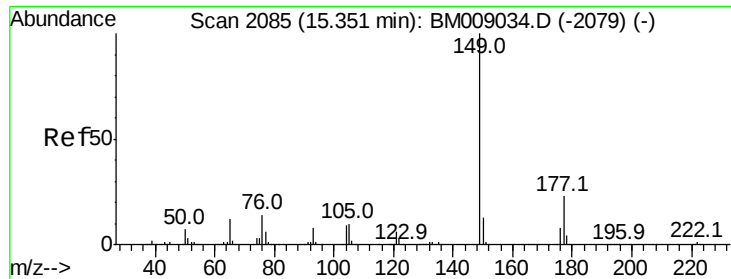


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E

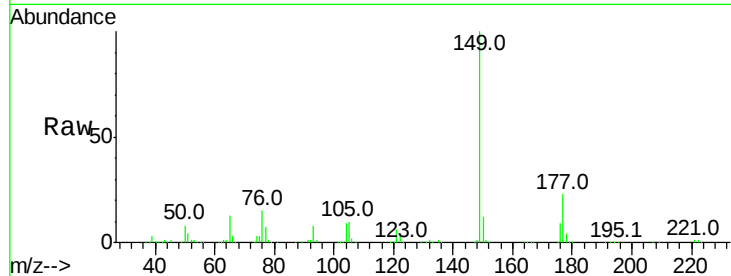




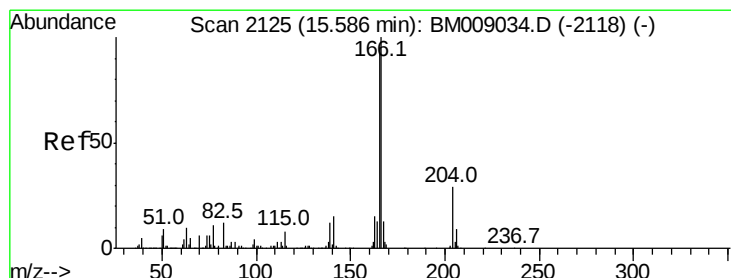
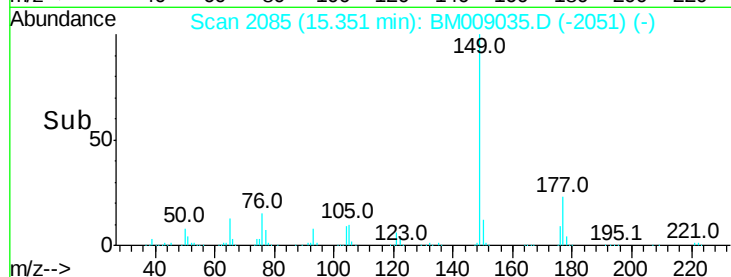
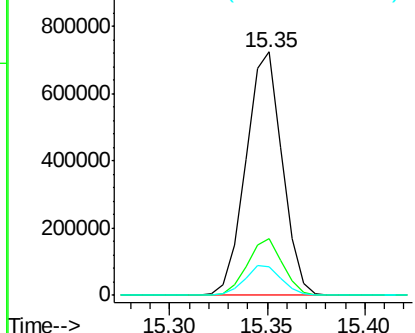
#56
Diethylphthalate
Concen: 28.00 ng/ul
RT: 15.35 min Scan# 2085
Delta R.T. 0.00 min
Lab File: BM009035.D
Acq: 27 Feb 2017 18:45

Instrument :
BNA_M
ClientSampled :
DABP3

Tot Ion:149 Resp: 935119
Ion Ratio Lower Upper
149 100
177 23.2 17.3 25.9
150 11.9 11.0 16.6

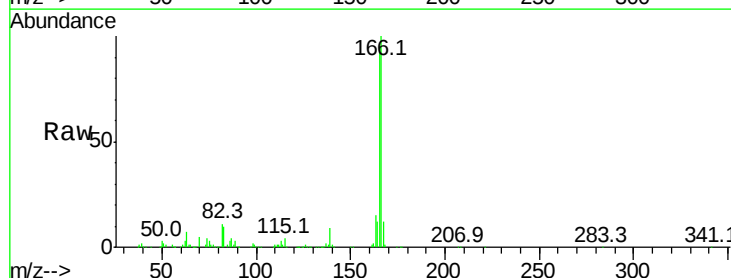


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

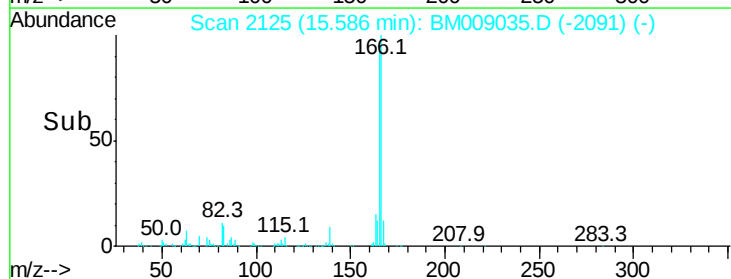
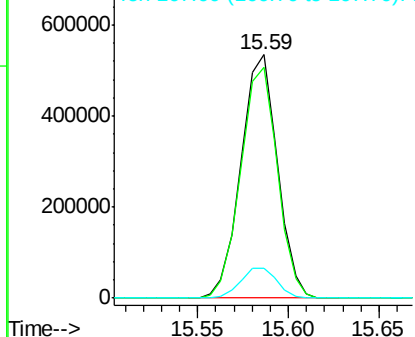


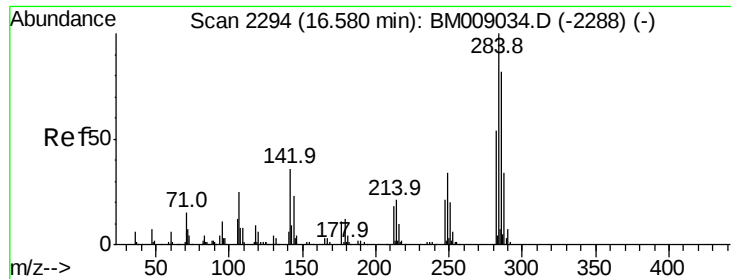
#58
Fluorene
Concen: 21.93 ng/ul
RT: 15.59 min Scan# 2125
Delta R.T. 0.00 min
Lab File: BM009035.D
Acq: 27 Feb 2017 18:45

Tgt Ion:166 Resp: 749536
Ion Ratio Lower Upper
166 100
165 94.7 81.0 121.6
167 12.5 10.5 15.7



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

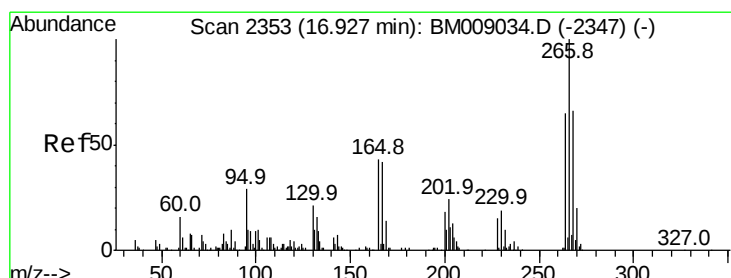
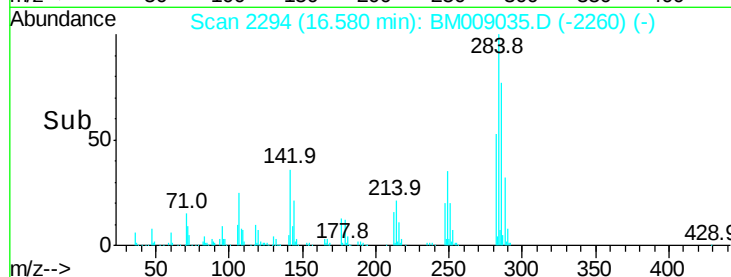
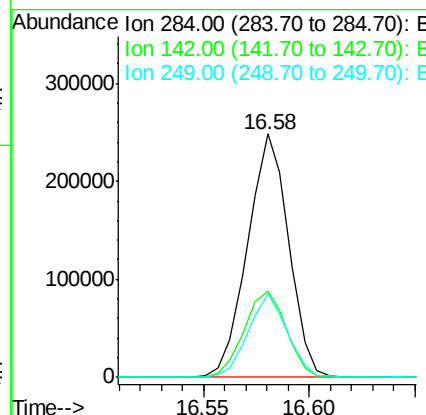
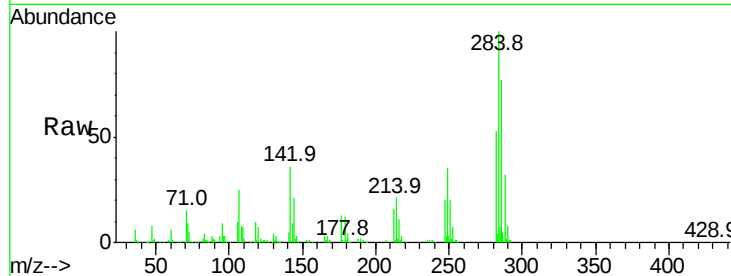




#66
Hexachlorobenzene
Concen: 22.88 ng/ul
RT: 16.58 min Scan# 2294
Delta R.T. 0.00 min
Lab File: BM009035.D
Acq: 27 Feb 2017 18:45

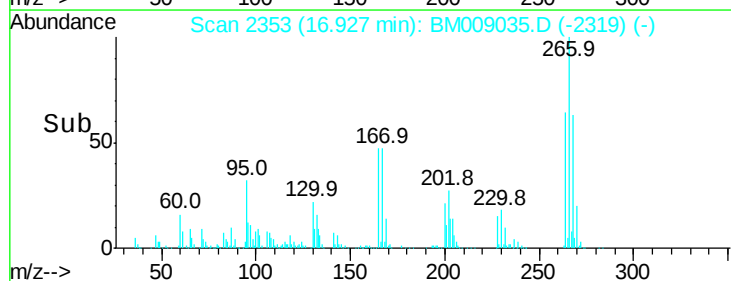
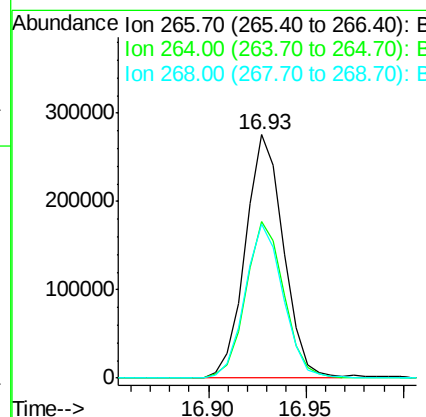
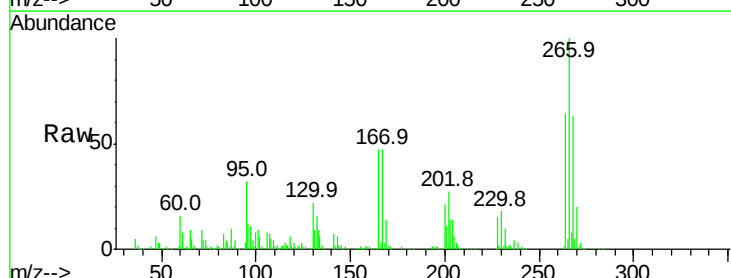
Instrument :
BNA_M
ClientSampleId :
DABP3

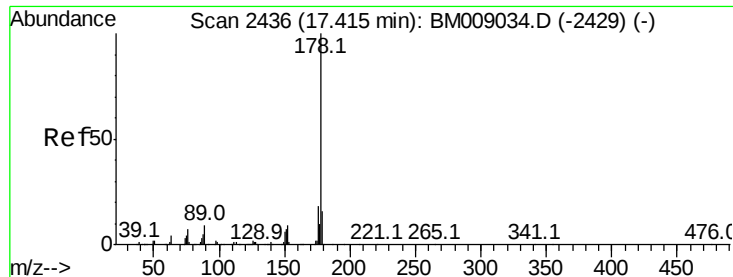
Tot Ion	Ratio	Lower	Upper
284	100		
142	35.6	31.6	47.4
249	34.5	29.0	43.6



#68
Pentachlorophenol
Concen: 41.06 ng/ul
RT: 16.93 min Scan# 2353
Delta R.T. 0.00 min
Lab File: BM009035.D
Acq: 27 Feb 2017 18:45

Tgt Ion	Ratio	Lower	Upper
266	100		
264	64.1	54.8	82.2
268	63.3	62.1	93.1





#71

Anthracene

Concen: 16.70 ng/ul

RT: 17.42 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

Instrument :

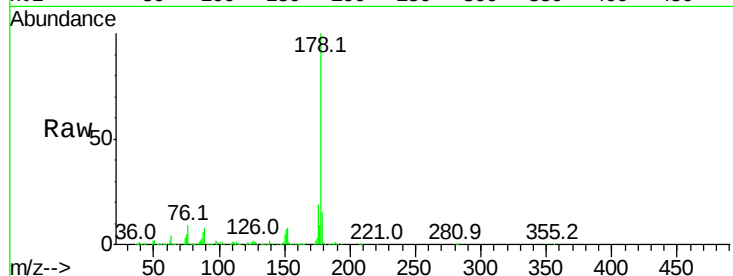
BNA_M

ClientSampleId :

DABP3

Tot Ion:178 Resp: 1105338

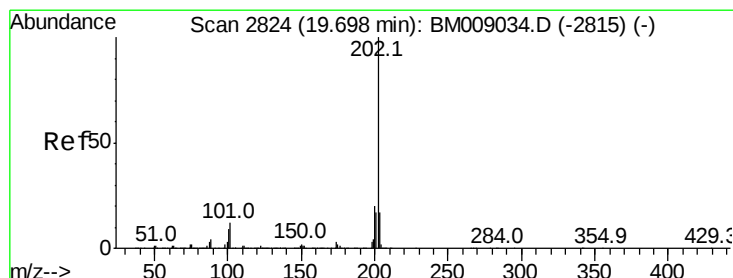
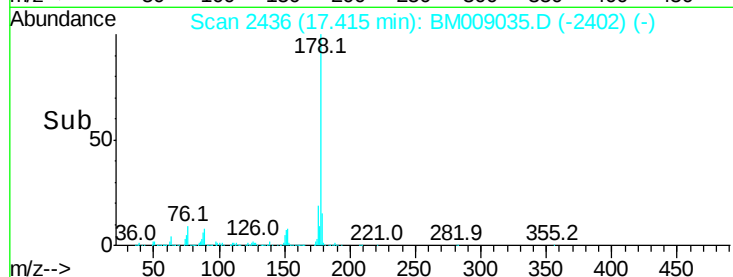
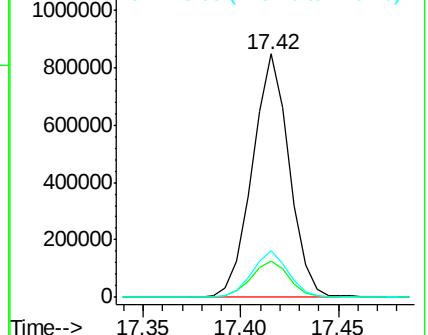
Ion	Ratio	Lower	Upper
178	100		
179	15.1	13.1	19.7
176	19.0	15.6	23.4



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



#77

Pyrene

Concen: 19.86 ng/ul

RT: 19.70 min Scan# 2824

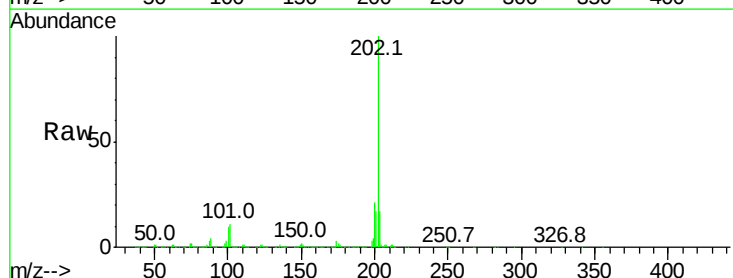
Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

Tgt Ion:202 Resp: 1710664

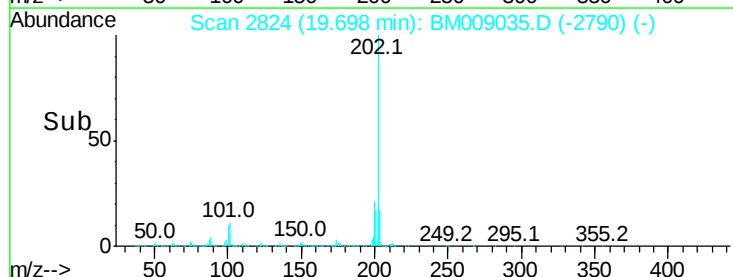
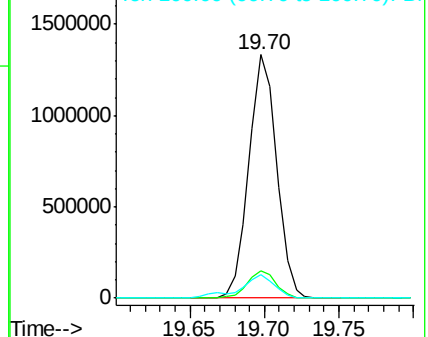
Ion	Ratio	Lower	Upper
202	100		
101	11.3	6.2	9.4#
100	9.7	6.4	9.6#

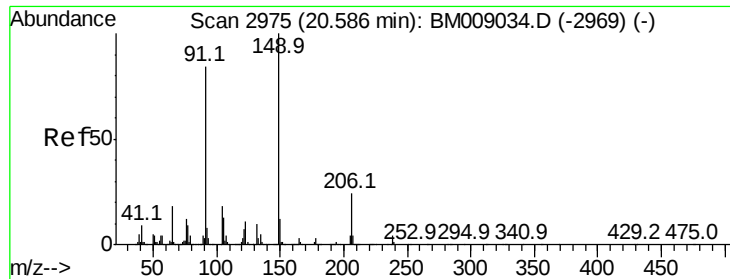


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#78

Butylbenzylphthalate

Concen: 42.96 ng/ul

RT: 20.59 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

Instrument :

BNA_M

ClientSampleId :

DABP3

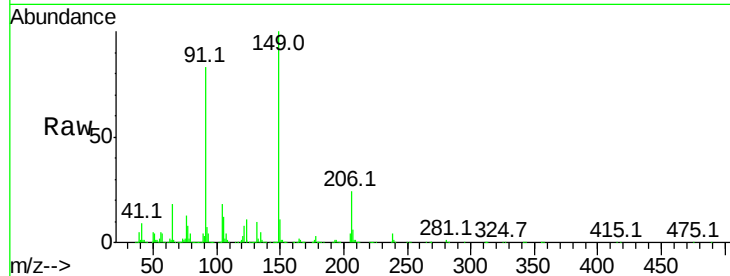
Tot Ion:149 Resp: 1331388

Ion Ratio Lower Upper

149 100

91 83.0 80.0 120.0

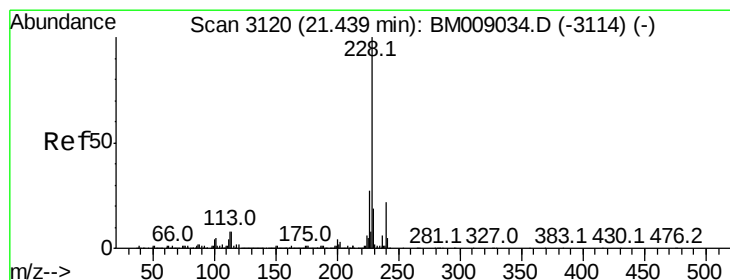
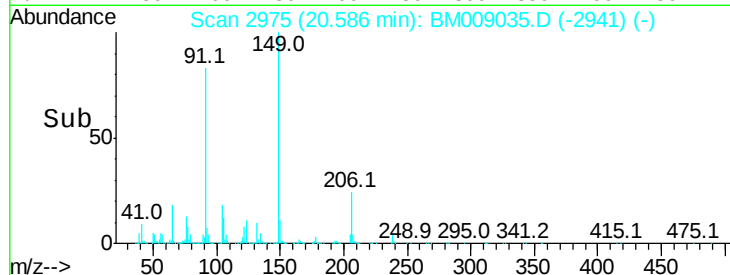
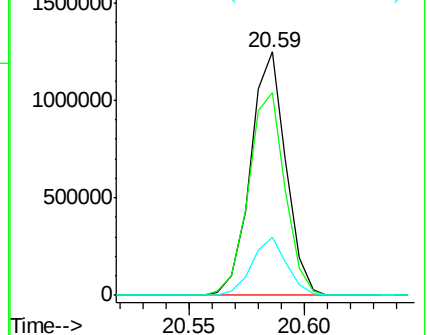
206 23.7 19.1 28.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 19.61 ng/ul

RT: 21.44 min Scan# 3120

Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

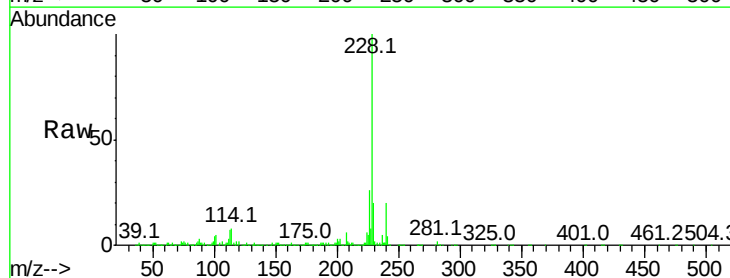
Tgt Ion:228 Resp: 1725611

Ion Ratio Lower Upper

228 100

229 19.8 15.4 23.2

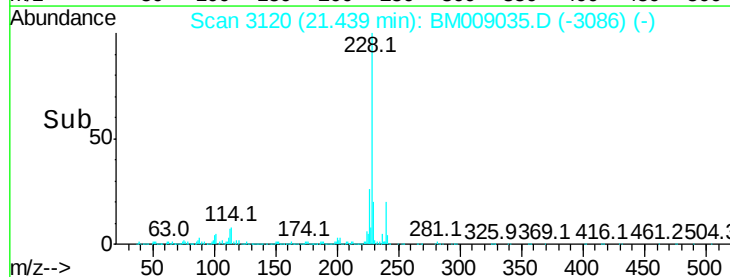
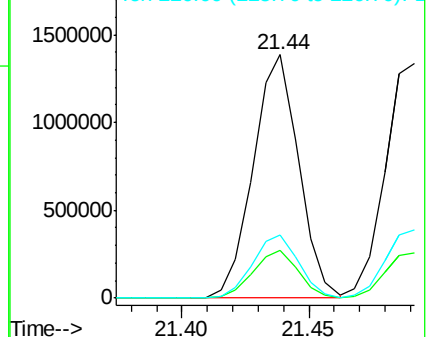
226 25.9 21.2 31.8

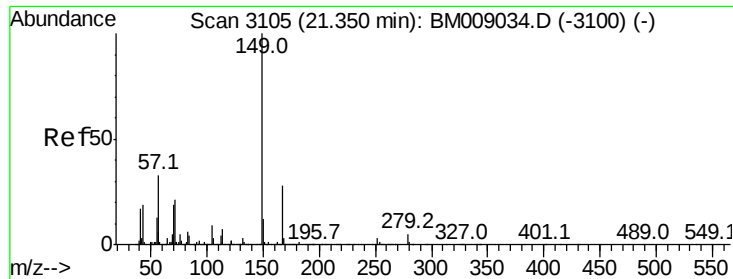


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



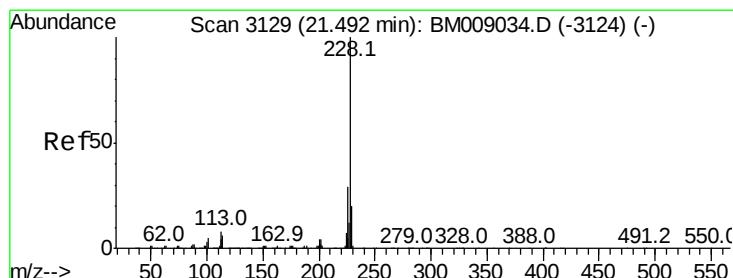
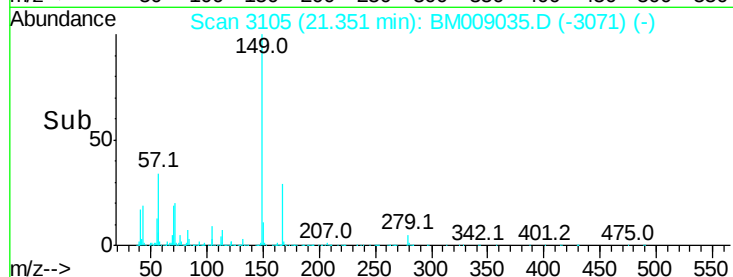
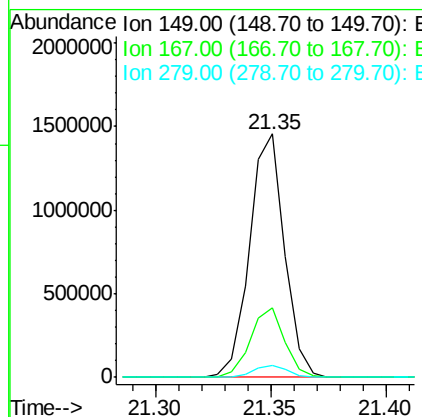
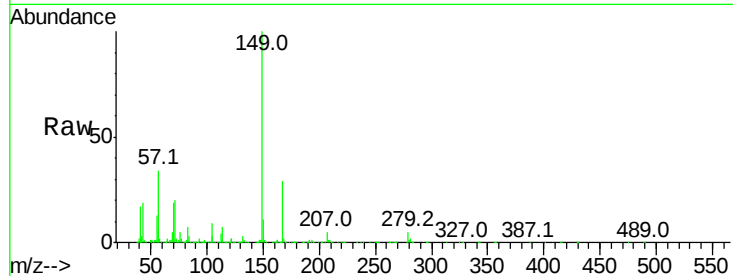


#81
 Bis(2-ethylhexyl)phthalate
 Concen: 34.18 ng/ul
 RT: 21.35 min Scan# 3105
 Delta R.T. 0.00 min
 Lab File: BM009035.D
 Acq: 27 Feb 2017 18:45

Instrument :
 BNA_M
 ClientSampleId :
 DABP3

Tot Ion:149 Resp: 1535903

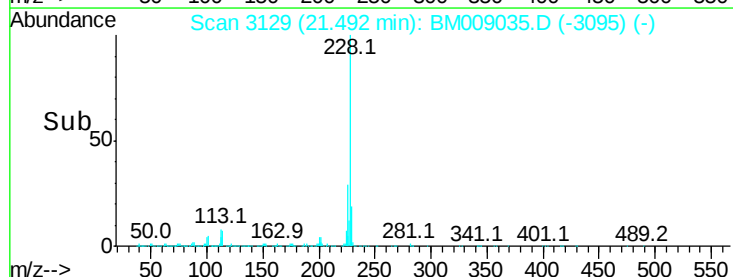
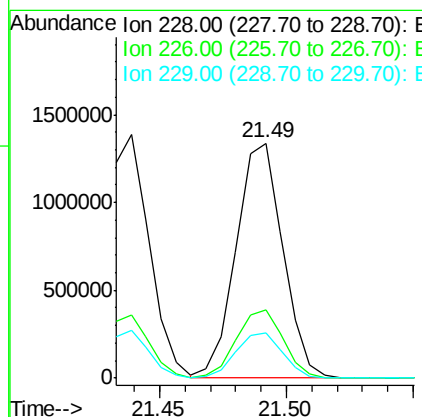
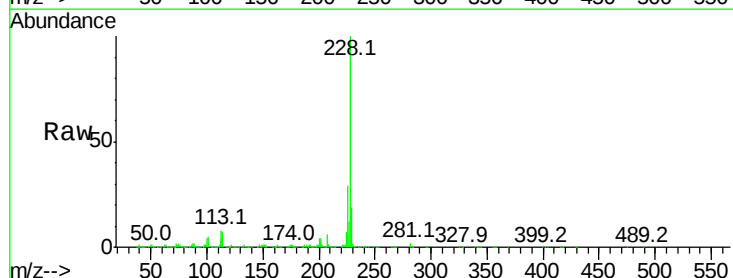
Ion	Ratio	Lower	Upper
149	100		
167	28.8	20.2	30.2
279	5.1	4.0	6.0

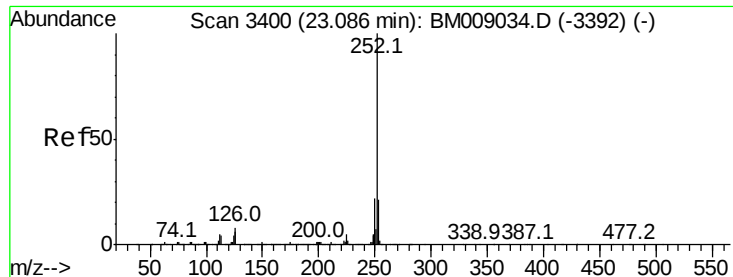


#82
 Chrysene
 Concen: 20.47 ng/ul
 RT: 21.49 min Scan# 3129
 Delta R.T. 0.00 min
 Lab File: BM009035.D
 Acq: 27 Feb 2017 18:45

Tgt Ion:228 Resp: 1712186

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.9	35.9
229	19.3	15.4	23.2





#85

Benzo(b)fluoranthene

Concen: 33.63 ng/ul

RT: 23.09 min Scan# 3400

Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

Instrument :

BNA_M

ClientSampleId :

DABP3

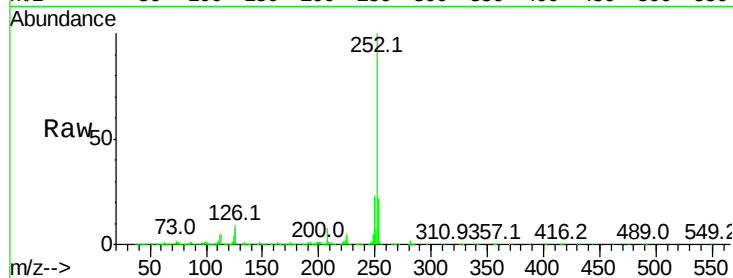
Tot Ion:252 Resp: 2957834

Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.4

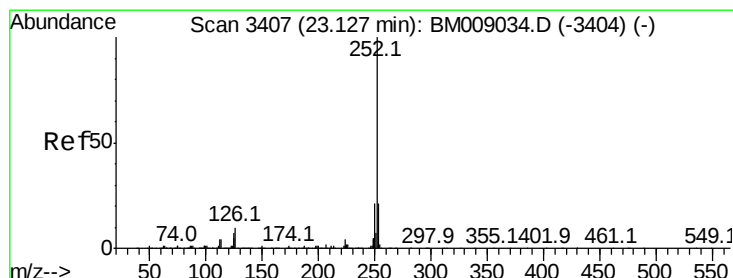
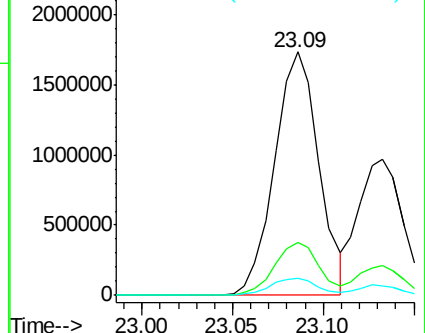
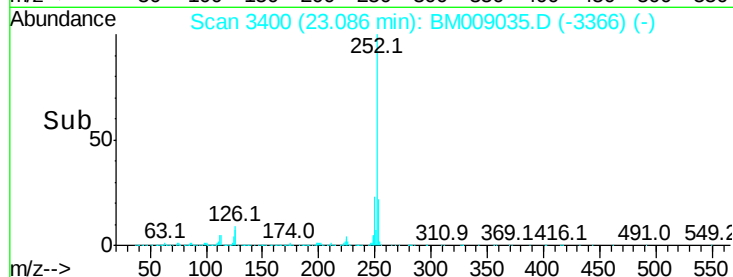
125 7.2 3.7 5.5#



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: 19.77 ng/ul

RT: 23.13 min Scan# 3408

Delta R.T. 0.01 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

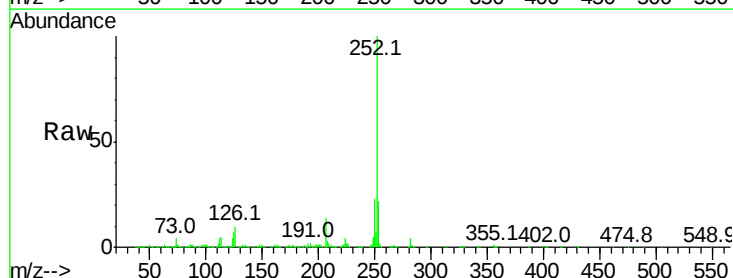
Tgt Ion:252 Resp: 1636619

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

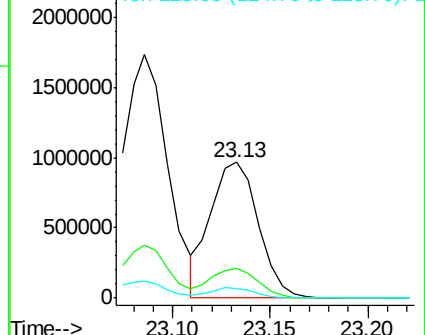
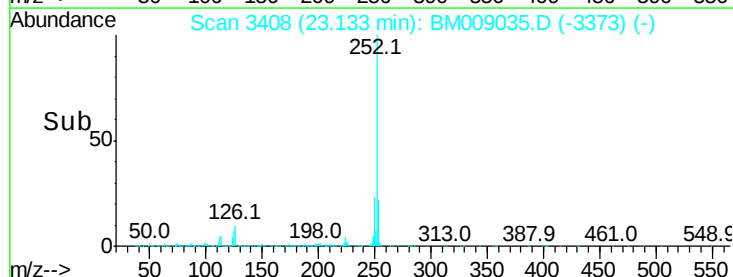
125 6.9 3.8 5.8#

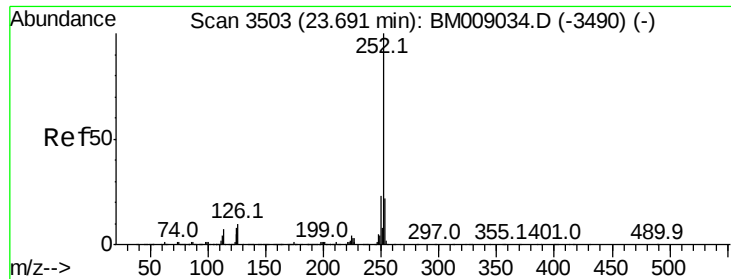


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 19.03 ng/ul

RT: 23.69 min Scan# 3503

Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

Instrument :

BNA_M

ClientSampled :

DABP3

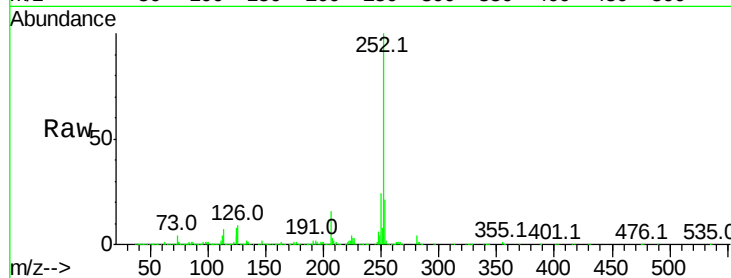
Tot Ion:252 Resp: 1587730

Ion Ratio Lower Upper

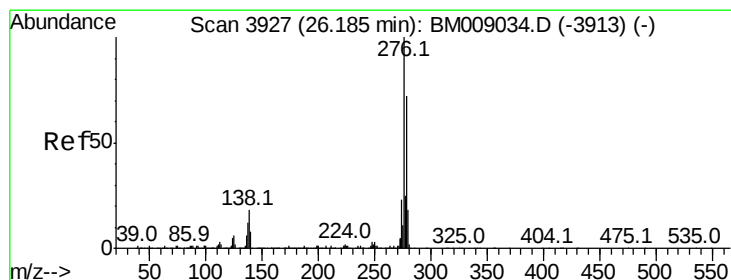
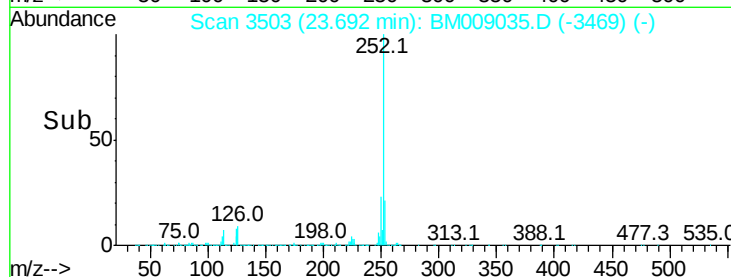
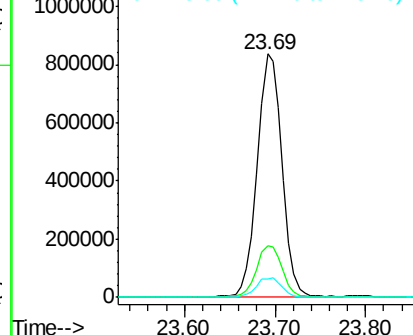
252 100

253 21.1 17.4 26.0

125 7.6 3.7 5.5#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 29.30 ng/ul

RT: 26.19 min Scan# 3928

Delta R.T. 0.01 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

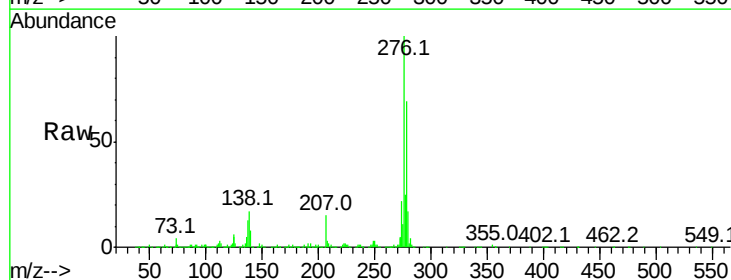
Tgt Ion:276 Resp: 2775523

Ion Ratio Lower Upper

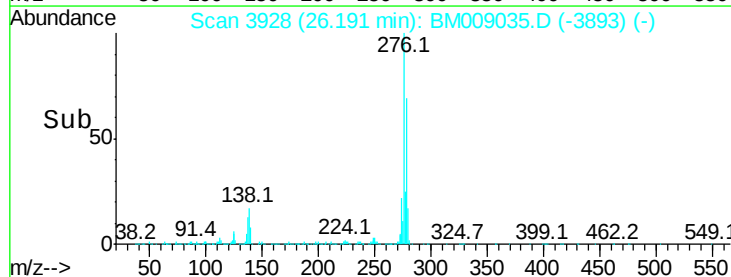
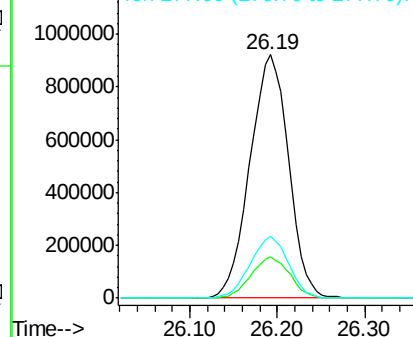
276 100

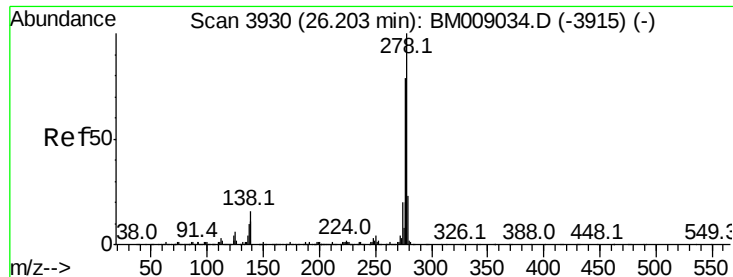
138 16.8 8.2 12.2#

277 25.4 21.5 32.3



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: 25.61 ng/ul

RT: 26.20 min Scan# 3930

Delta R.T. 0.00 min

Lab File: BM009035.D

Acq: 27 Feb 2017 18:45

Instrument :

BNA_M

ClientSampleId :

DABP3

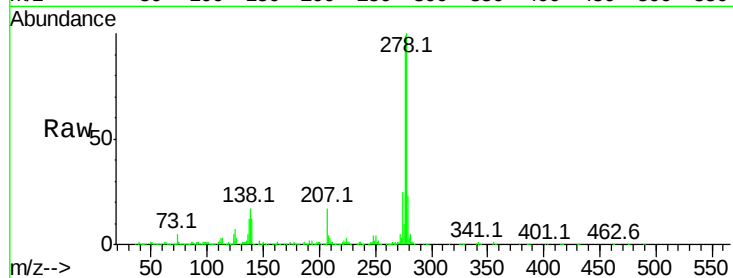
Tot Ion:278 Resp: 2065989

Ion Ratio Lower Upper

278 100

139 11.8 5.8 8.8#

279 23.0 17.9 26.9



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

