

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
 Data File : BM005571.D
 Acq On : 22 May 2016 03:38
 Operator : UM/SJ
 Sample : H2890-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9WT4

Quant Time: May 22 05:35:06 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun May 22 05:33:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	129080	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	542620	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	307412	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	706508	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	741724	20.00	ng/ul	0.00
83) Perylene-d12	23.66	264	761310	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	7501	2.55	ng/uL	0.00
5) Phenol-d5	6.99	99	183071	17.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	101362	16.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	147466	16.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	153328	17.68	ng/ul	0.00
19) Nitrobenzene-d5	8.98	128	69410	16.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	79122	17.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	155798	18.11	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	90001	10.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	472887	18.84	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	591987	18.87	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	96442	20.32	ng/ul	0.00
57) Fluorene-d10	15.44	176	478734	21.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	73741	18.15	ng/ul	0.00
70) Anthracene-d10	17.29	188	679241	20.18	ng/ul	0.00
76) Pyrene-d10	19.59	212	742287	22.10	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	705428	19.84	ng/ul	0.02

Target Compounds

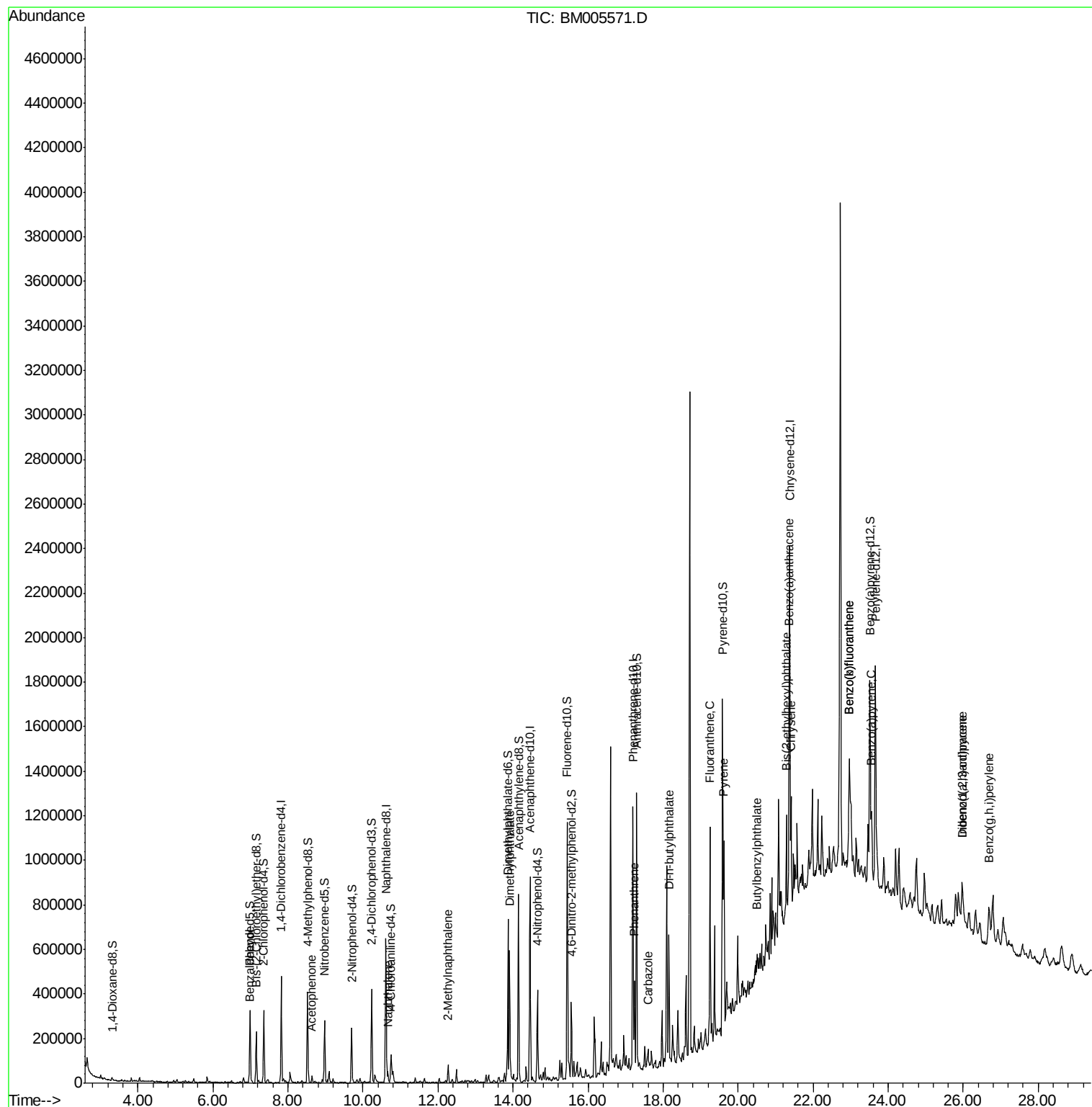
					Qvalue
4) Benzaldehyde	6.97	77	8650	1.26 ng/ul	92
14) Acetophenone	8.64	105	17925	1.37 ng/ul	94
28) Naphthalene	10.66	128	42416	1.56 ng/ul	100
34) 2-Methylnaphthalene	12.27	142	38037	1.91 ng/ul	100
44) Dimethylphthalate	13.91	163	370339	14.94 ng/ul	100
69) Phenanthrene	17.24	178	241208	6.11 ng/ul	99
72) Carbazole	17.60	167	40059	1.15 ng/ul	97
73) Di-n-butylphthalate	18.16	149	420761	9.93 ng/ul	100
74) Fluoranthene	19.25	202	534875	12.03 ng/ul	98
77) Pyrene	19.62	202	439559	10.31 ng/ul	99
78) Butylbenzylphthalate	20.52	149	30850	1.72 ng/ul#	78
80) Benzo(a)anthracene	21.36	228	201096	4.61 ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.29	149	179988	7.09 ng/ul	99
82) Chrysene	21.41	228	275590	6.64 ng/ul	96
85) Benzo(b)fluoranthene	22.97	252	413577	9.21 ng/ul#	94
86) Benzo(k)fluoranthene	22.97	252	413577	9.73 ng/ul#	94
88) Benzo(a)pyrene	23.56	252	231379	5.31 ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.97	276	196295	3.79 ng/ul	99
90) Dibenzo(a,h)anthracene	25.98	278	46224	1.07 ng/ul#	80
91) Benzo(g,h,i)perylene	26.69	276	182858	4.20 ng/ul	96

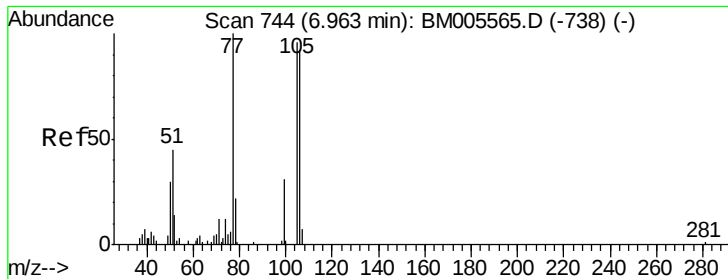
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.26 ng/ul

RT: 6.97 min Scan# 745

Delta R.T. 0.01 min

Lab File: BM005571.D

Acq: 22 May 2016 03:38

Instrument :

BNA_M

ClientSampleId :

D9WT4

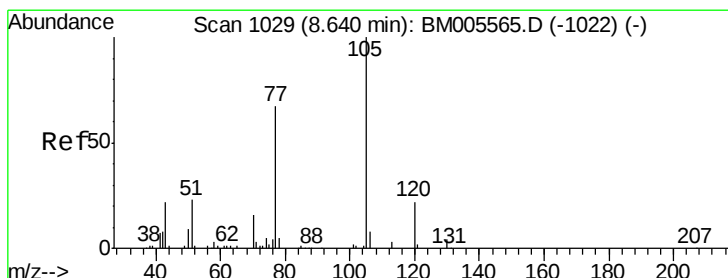
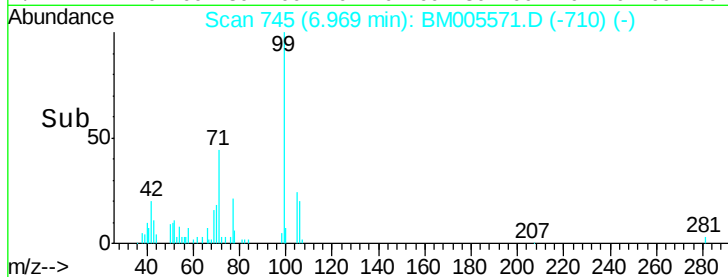
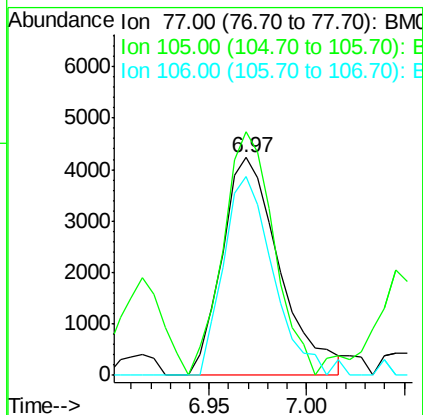
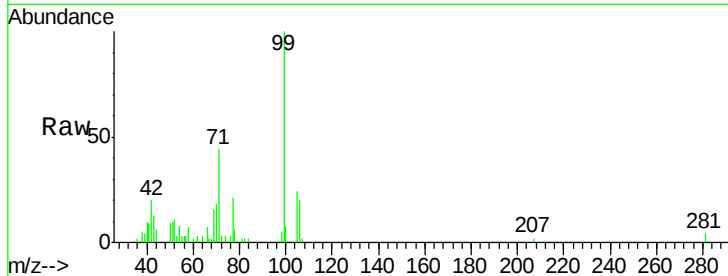
Tgt Ion: 77 Resp: 8650

Ion Ratio Lower Upper

77 100

105 112.0 79.3 118.9

106 91.4 75.2 112.8



#14

Acetophenone

Concen: 1.37 ng/ul

RT: 8.64 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BM005571.D

Acq: 22 May 2016 03:38

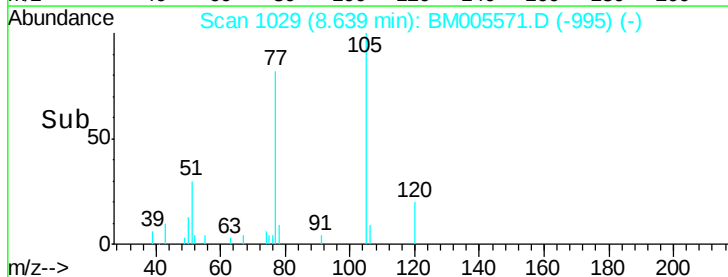
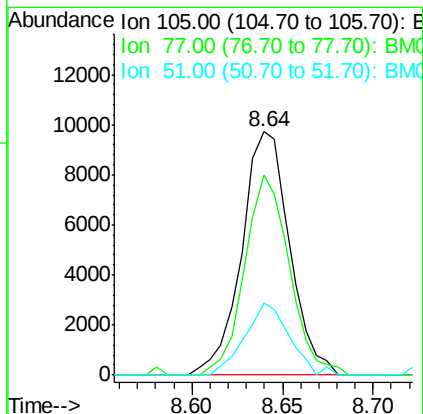
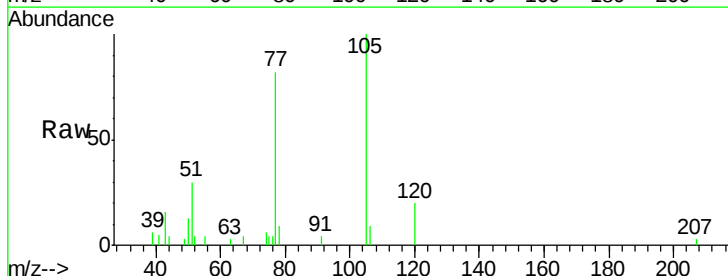
Tgt Ion: 105 Resp: 17925

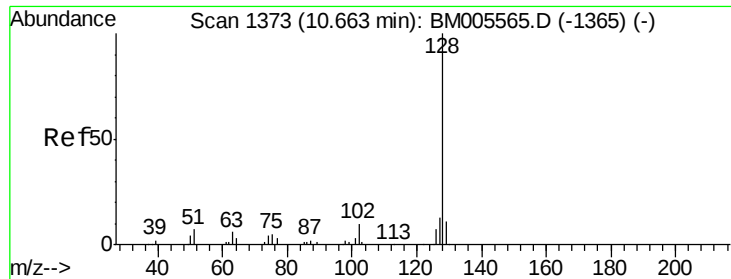
Ion Ratio Lower Upper

105 100

77 82.0 60.8 91.2

51 29.7 22.2 33.2





#28

Naphthalene

Concen: 1.56 ng/ul

RT: 10.66 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BM005571.D

Acq: 22 May 2016 03:38

Instrument :

BNA_M

ClientSampleId :

D9WT4

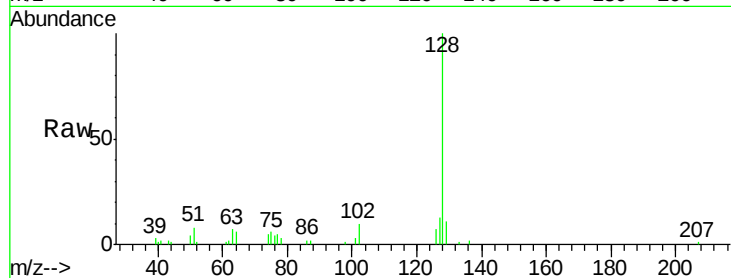
Tgt Ion:128 Resp: 42416

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

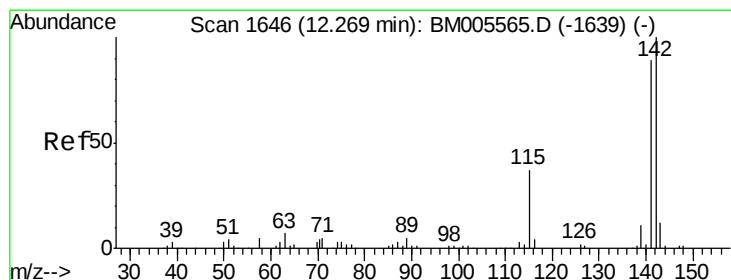
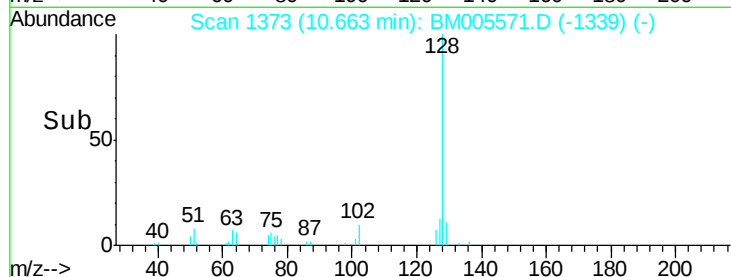
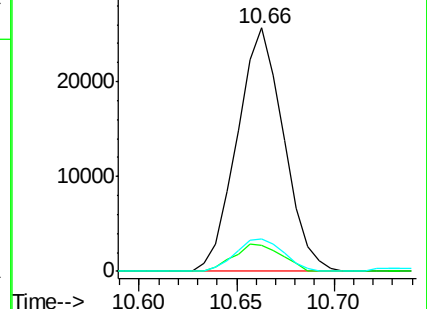
127 13.5 10.6 15.8



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



#34

2-Methylnaphthalene

Concen: 1.91 ng/ul

RT: 12.27 min Scan# 1646

Delta R.T. -0.00 min

Lab File: BM005571.D

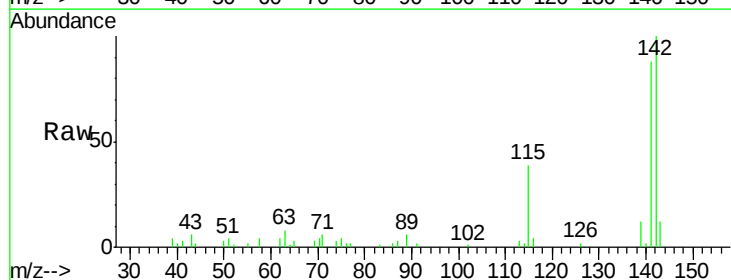
Acq: 22 May 2016 03:38

Tgt Ion:142 Resp: 38037

Ion Ratio Lower Upper

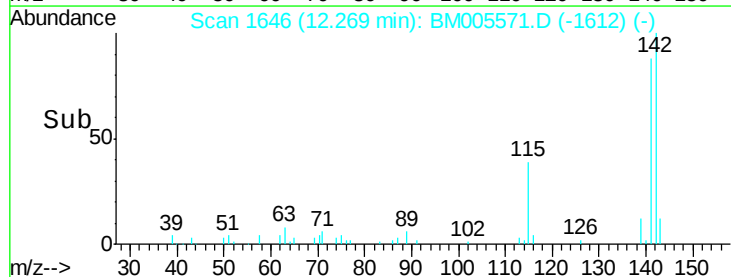
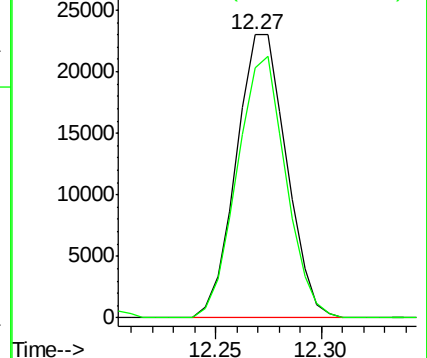
142 100

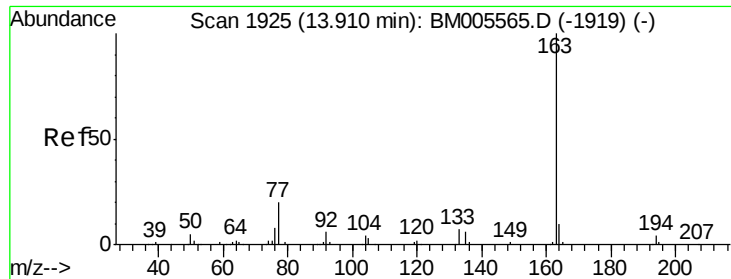
141 88.2 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 14.94 ng/ul

RT: 13.91 min Scan# 1925

Delta R.T. -0.00 min

Lab File: BM005571.D

Acq: 22 May 2016 03:38

Instrument :

BNA_M

ClientSampleId :

D9WT4

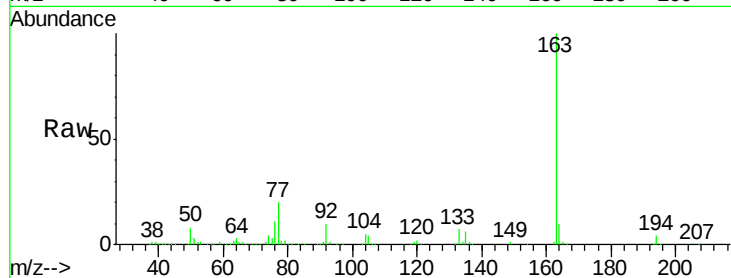
Tgt Ion:163 Resp: 370339

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

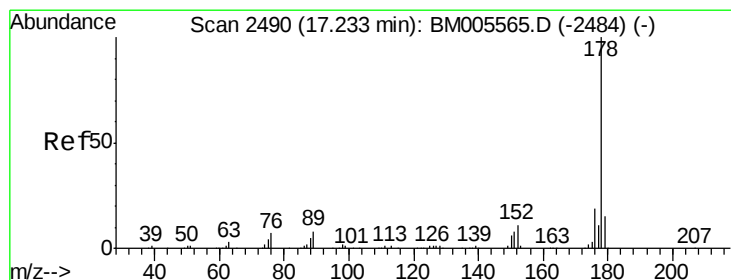
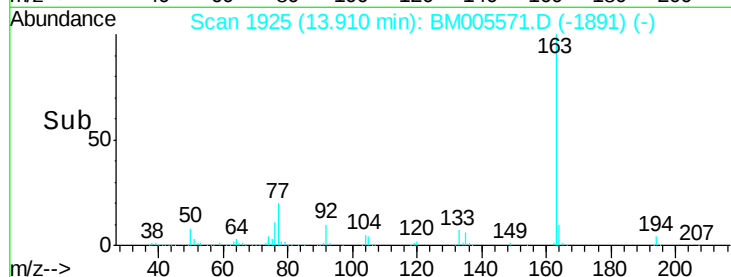
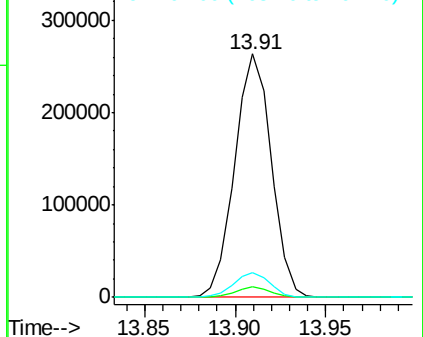
164 9.9 8.0 12.0



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



#69

Phenanthrene

Concen: 6.11 ng/ul

RT: 17.24 min Scan# 2491

Delta R.T. 0.01 min

Lab File: BM005571.D

Acq: 22 May 2016 03:38

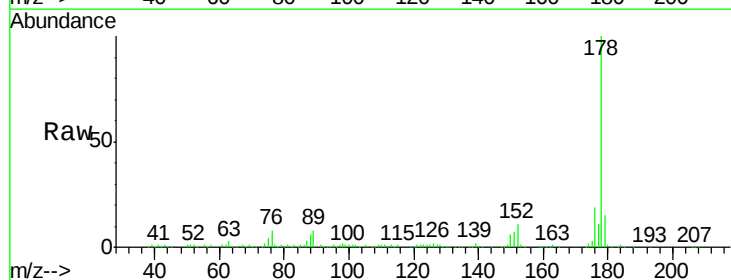
Tgt Ion:178 Resp: 241208

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

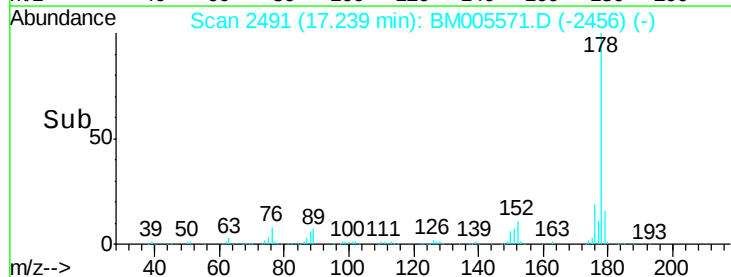
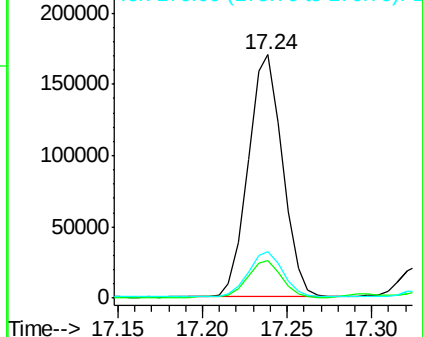
176 19.2 15.8 23.6

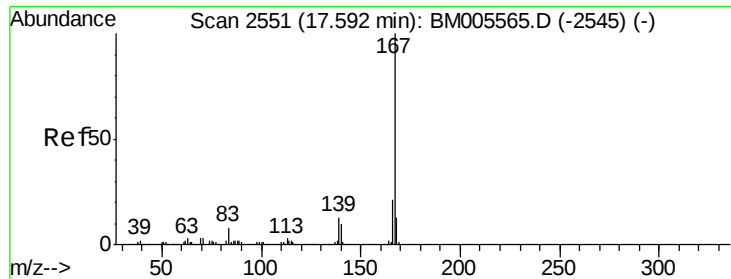


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

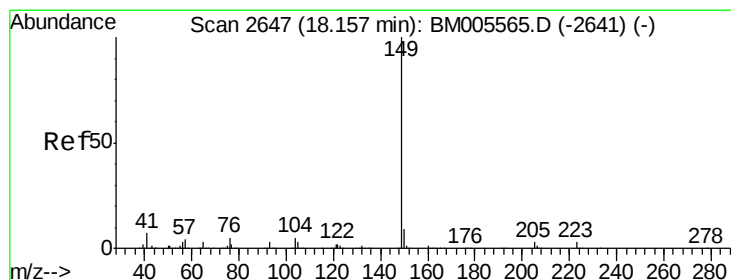
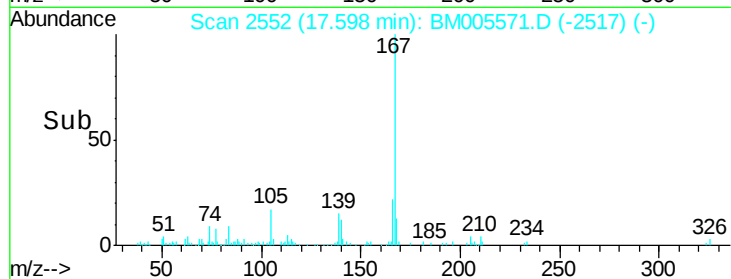
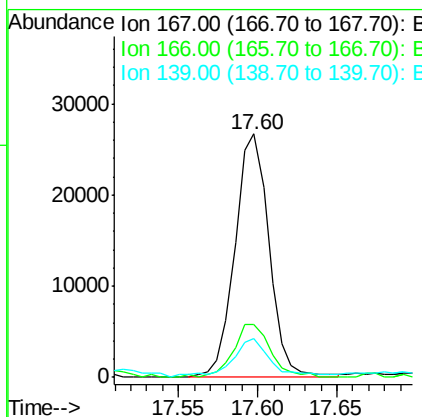
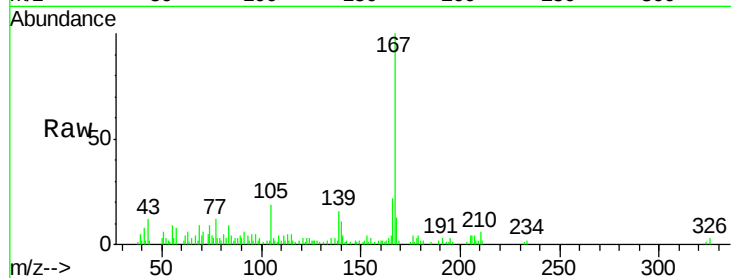




#72
 Carbazole
 Concen: 1.15 ng/ul
 RT: 17.60 min Scan# 2552
 Delta R.T. 0.01 min
 Lab File: BM005571.D
 Acq: 22 May 2016 03:38

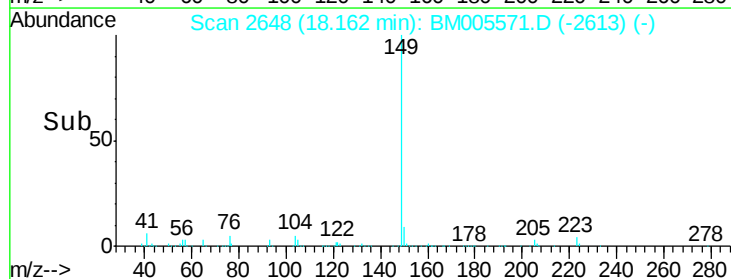
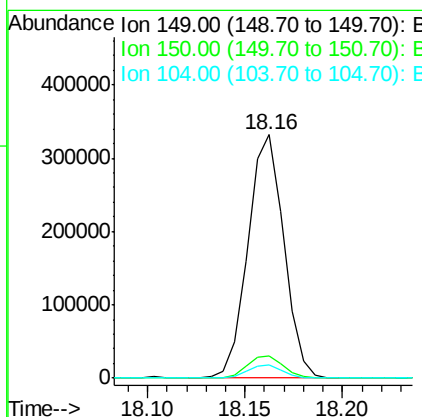
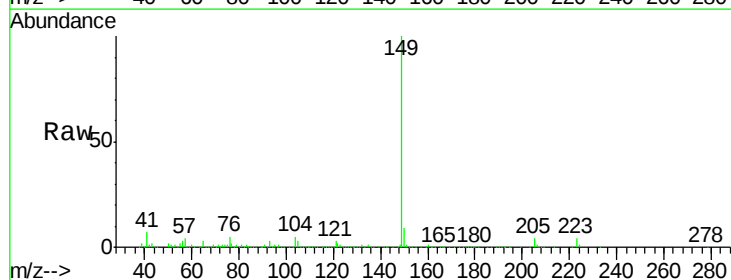
Instrument :
 BNA_M
 ClientSampleId :
 D9WT4

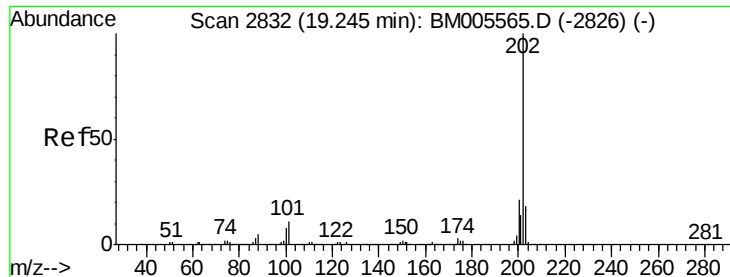
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	16.9	25.3
139	15.8	10.6	16.0



#73
 Di-n-butylphthalate
 Concen: 9.93 ng/ul
 RT: 18.16 min Scan# 2648
 Delta R.T. 0.01 min
 Lab File: BM005571.D
 Acq: 22 May 2016 03:38

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.4	6.6





#74

Fluoranthene

Concen: 12.03 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BM005571.D

Acq: 22 May 2016 03:38

Instrument :

BNA_M

ClientSampleId :

D9WT4

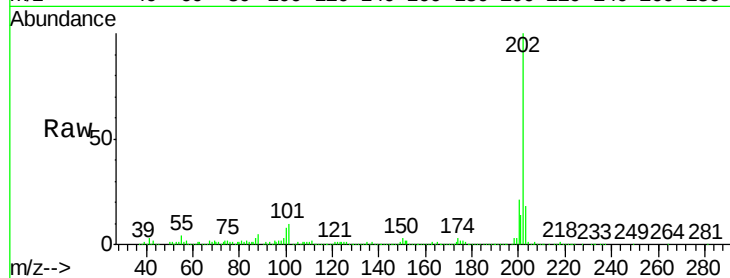
Tgt Ion:202 Resp: 534875

Ion Ratio Lower Upper

202 100

101 10.4 7.9 11.9

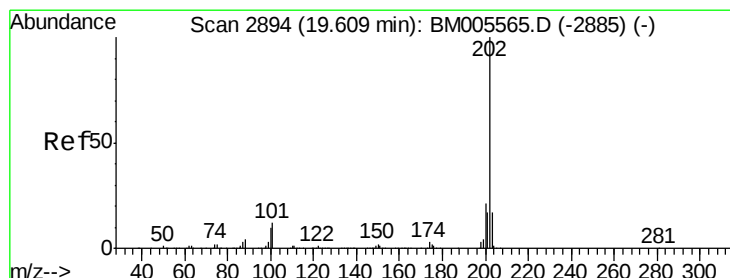
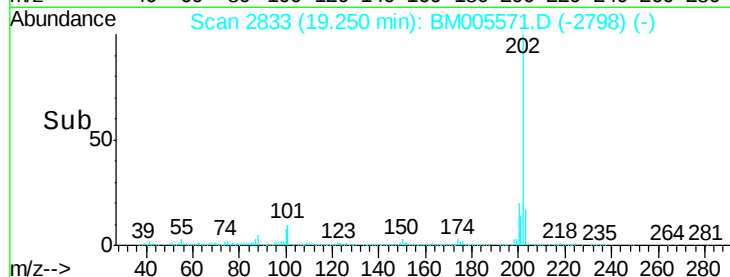
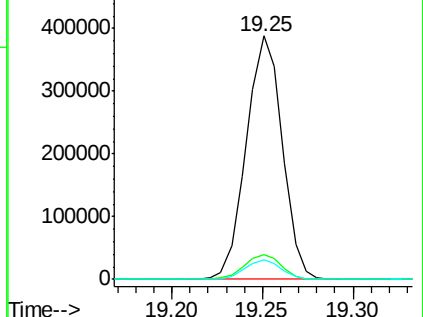
100 7.9 5.6 8.4



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: 10.31 ng/ul

RT: 19.62 min Scan# 2895

Delta R.T. 0.01 min

Lab File: BM005571.D

Acq: 22 May 2016 03:38

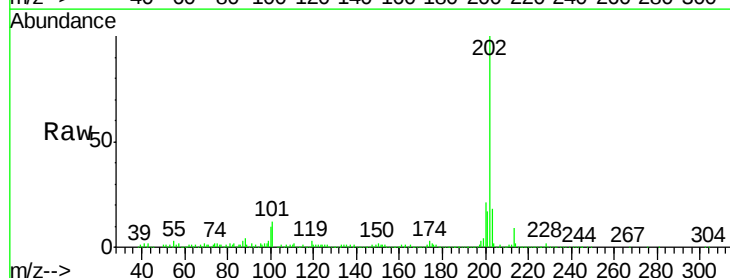
Tgt Ion:202 Resp: 439559

Ion Ratio Lower Upper

202 100

101 11.7 9.6 14.4

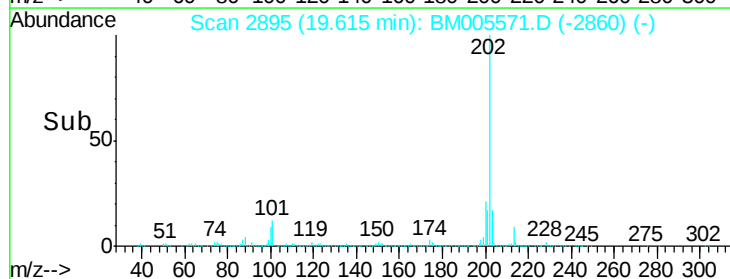
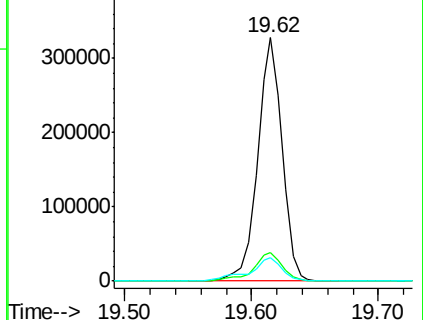
100 9.5 7.8 11.6

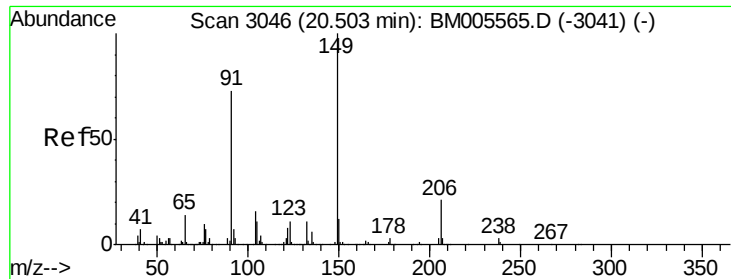


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

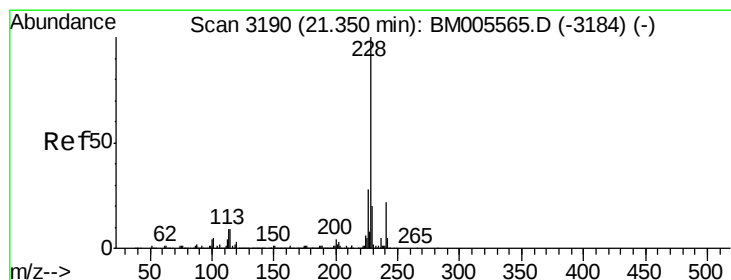
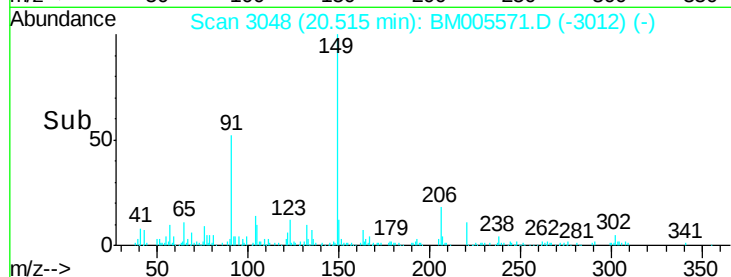
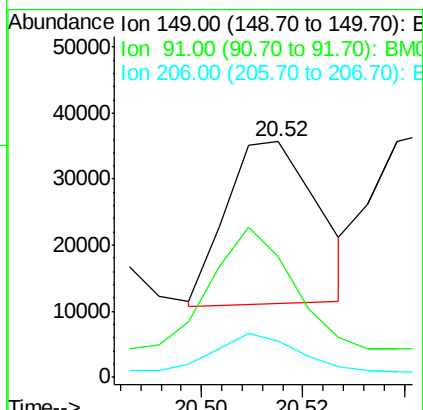
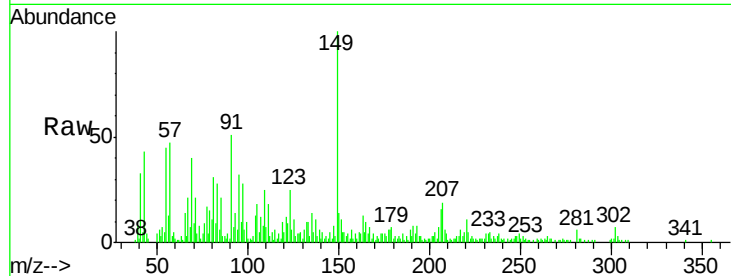




#78
Butylbenzylphthalate
Concen: 1.72 ng/ul
RT: 20.52 min Scan# 3048
Delta R.T. 0.01 min
Lab File: BM005571.D
Acq: 22 May 2016 03:38

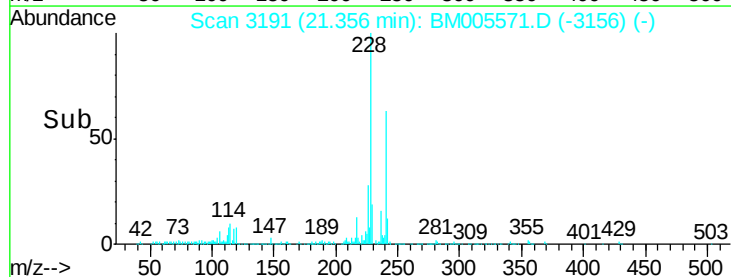
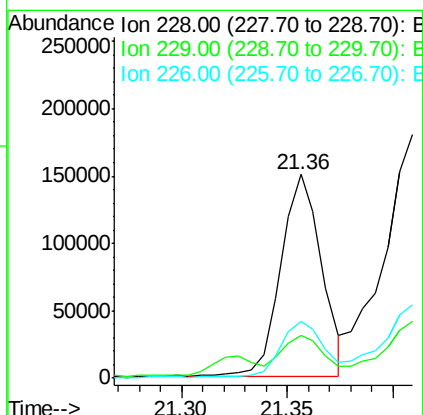
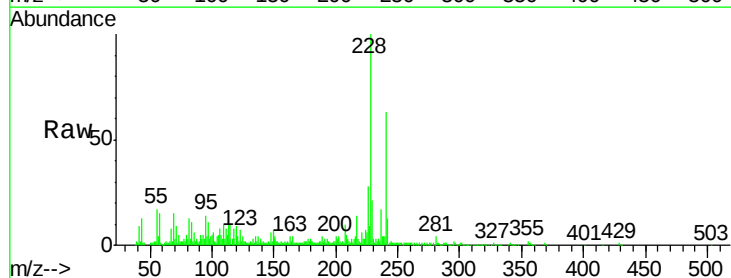
Instrument :
BNA_M
ClientSampled :
D9WT4

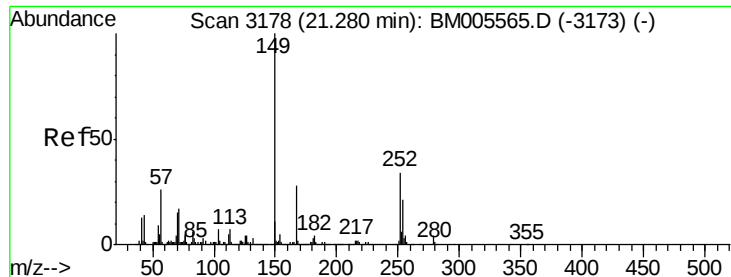
Tgt Ion:149 Resp: 30850
Ion Ratio Lower Upper
149 100
91 51.0 56.5 84.7#
206 15.6 18.3 27.5#



#80
Benzo(a)anthracene
Concen: 4.61 ng/ul
RT: 21.36 min Scan# 3191
Delta R.T. 0.01 min
Lab File: BM005571.D
Acq: 22 May 2016 03:38

Tgt Ion:228 Resp: 201096
Ion Ratio Lower Upper
228 100
229 21.1 15.4 23.2
226 28.1 21.0 31.4

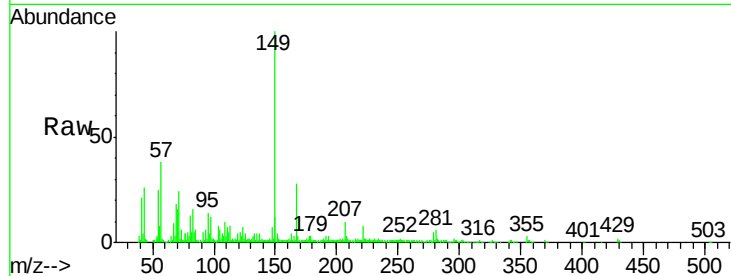




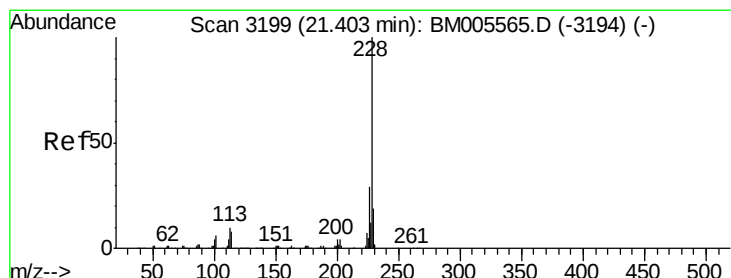
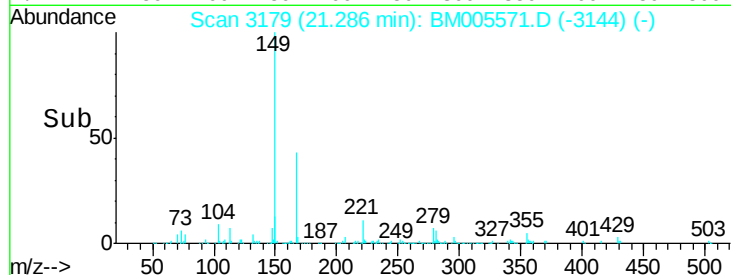
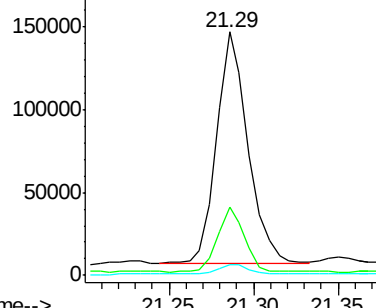
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 7.09 ng/ul
 RT: 21.29 min Scan# 3179
 Delta R.T. 0.01 min
 Lab File: BM005571.D
 Acq: 22 May 2016 03:38

Instrument :
 BNA_M
 ClientSampleId :
 D9WT4

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.0	33.0
279	4.5	3.8	5.8

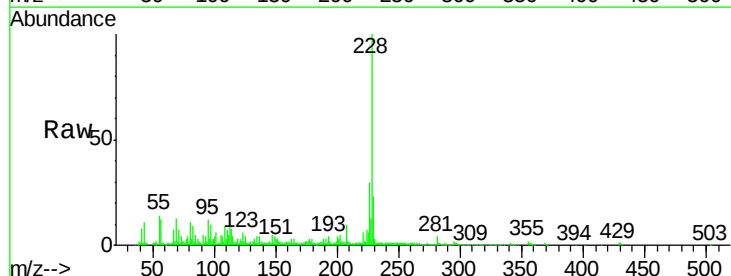


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

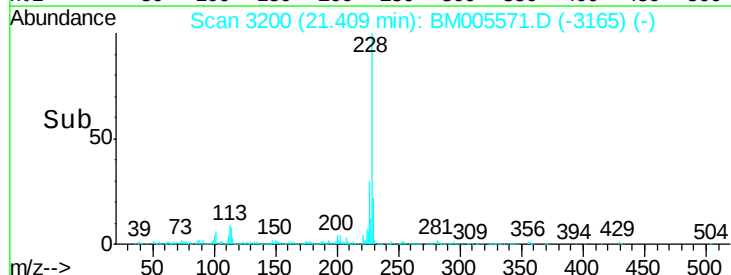
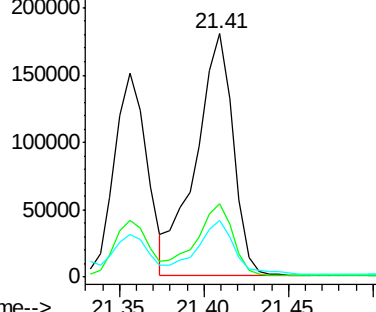


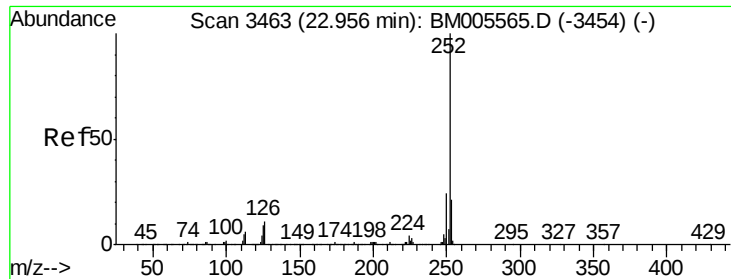
#82
 Chrysene
 Concen: 6.64 ng/ul
 RT: 21.41 min Scan# 3200
 Delta R.T. 0.01 min
 Lab File: BM005571.D
 Acq: 22 May 2016 03:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.7	35.5
229	23.1	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





#85

Benzo(b)fluoranthene

Concen: 9.21 ng/ul

RT: 22.97 min Scan# 3466

Delta R.T. 0.02 min

Lab File: BM005571.D

Acq: 22 May 2016 03:38

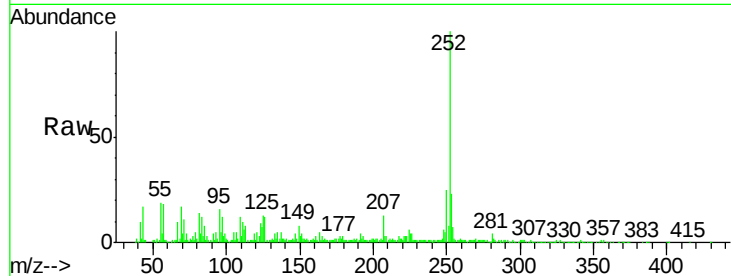
Instrument :

BNA_M

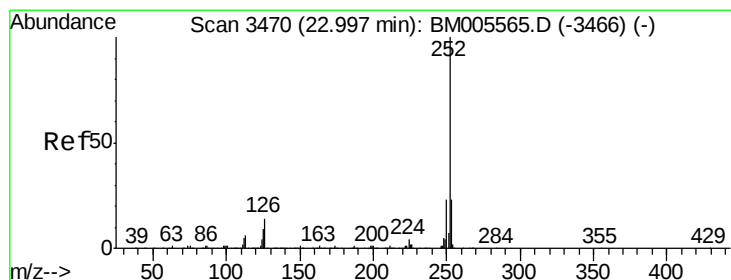
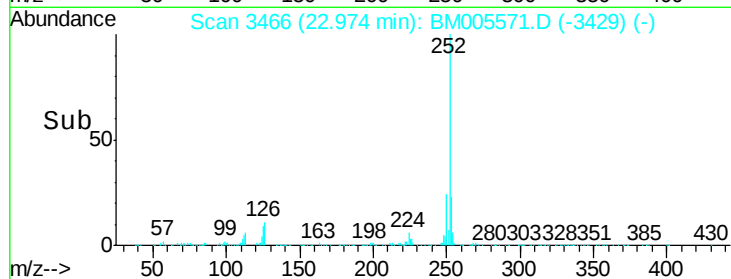
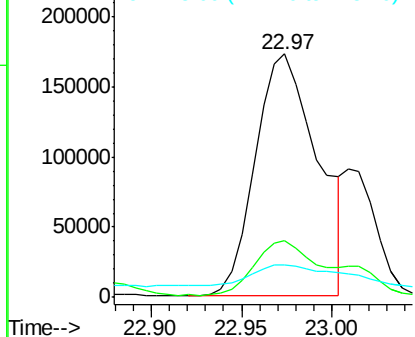
ClientSampleId :

D9WT4

Tgt Ion:	252	Resp:	413577
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.3	25.9
125	13.3	7.0	10.4#



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: 9.73 ng/ul

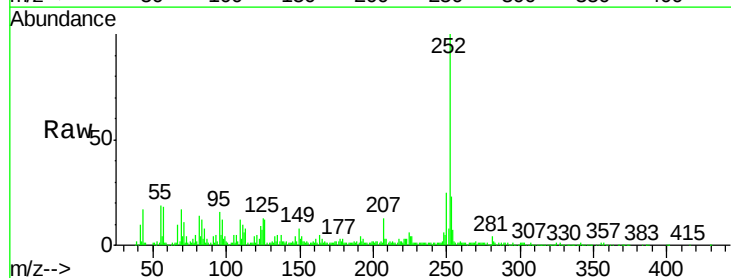
RT: 22.97 min Scan# 3466

Delta R.T. -0.02 min

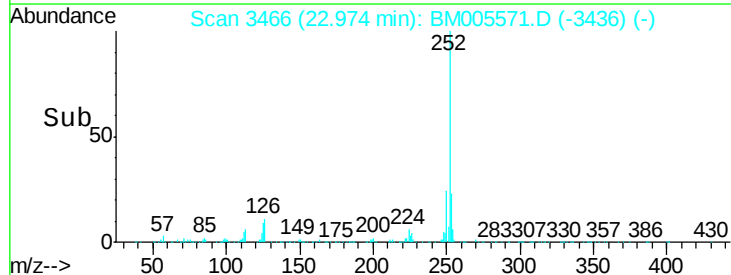
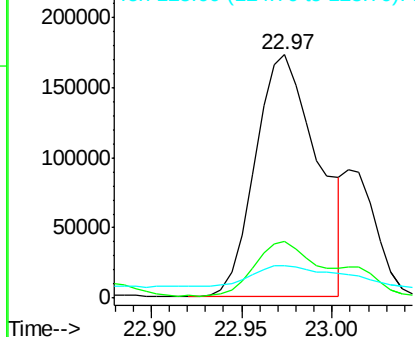
Lab File: BM005571.D

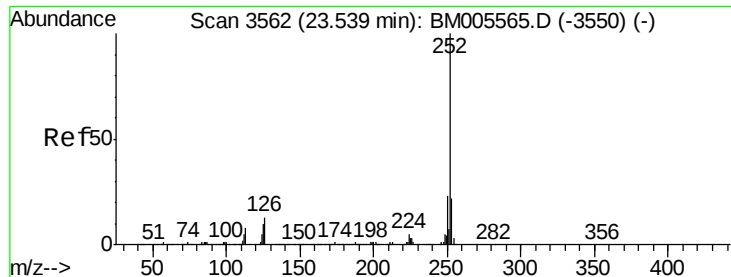
Acq: 22 May 2016 03:38

Tgt Ion:	252	Resp:	413577
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	13.3	7.0	10.6#



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: 5.31 ng/ul

RT: 23.56 min Scan# 3566

Delta R.T. 0.02 min

Lab File: BM005571.D

Acq: 22 May 2016 03:38

Instrument :

BNA_M

ClientSampleId :

D9WT4

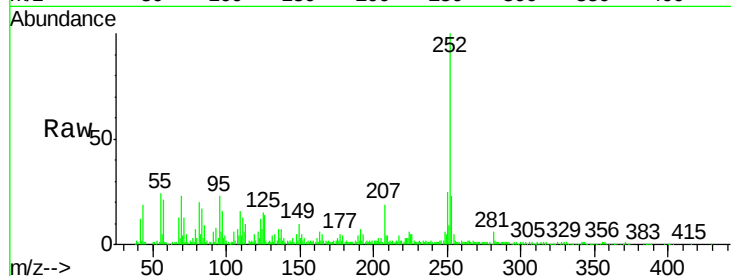
Tgt Ion:252 Resp: 231379

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

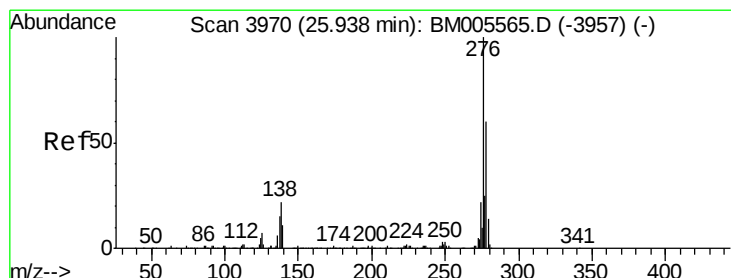
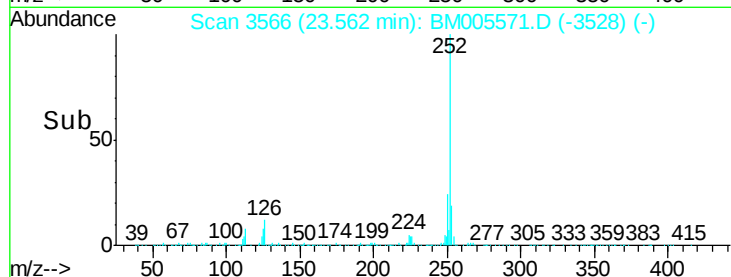
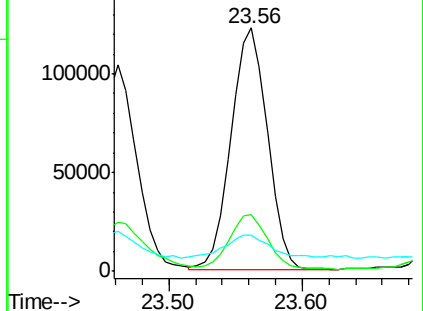
125 14.7 7.6 11.4#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 3.79 ng/ul

RT: 25.97 min Scan# 3976

Delta R.T. 0.04 min

Lab File: BM005571.D

Acq: 22 May 2016 03:38

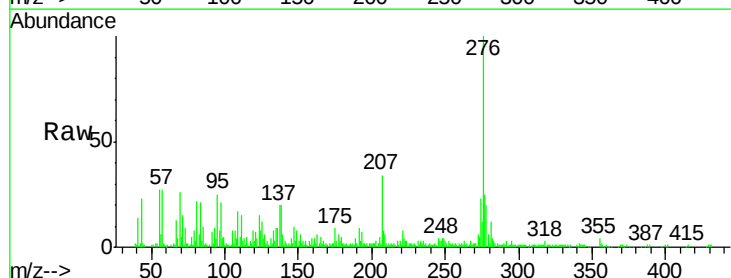
Tgt Ion:276 Resp: 196295

Ion Ratio Lower Upper

276 100

138 19.8 16.9 25.3

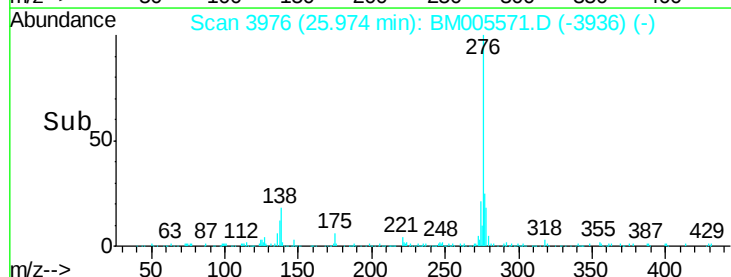
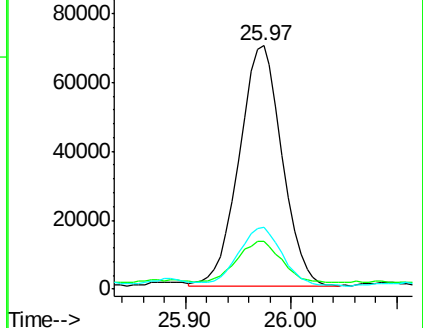
277 25.4 20.2 30.4

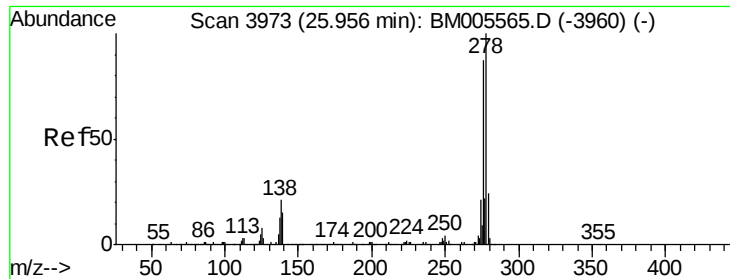


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.07 ng/ul

RT: 25.98 min Scan# 3977

Delta R.T. 0.02 min

Lab File: BM005571.D

Acq: 22 May 2016 03:38

Instrument :

BNA_M

ClientSampleId :

D9WT4

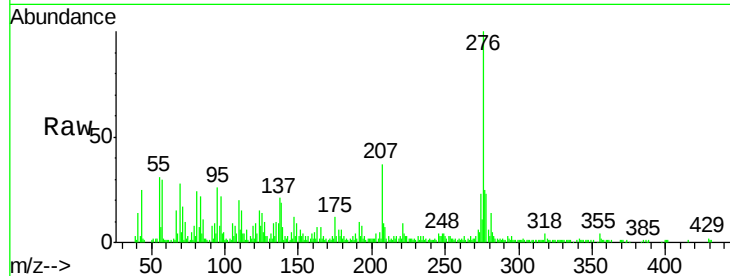
Tgt Ion:278 Resp: 46224

Ion Ratio Lower Upper

278 100

139 31.3 11.8 17.6#

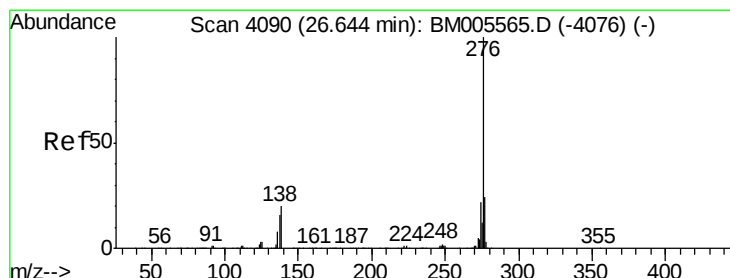
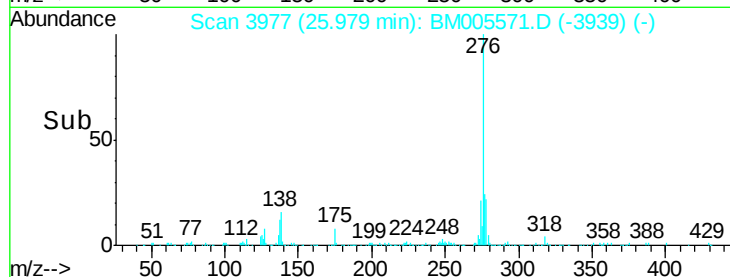
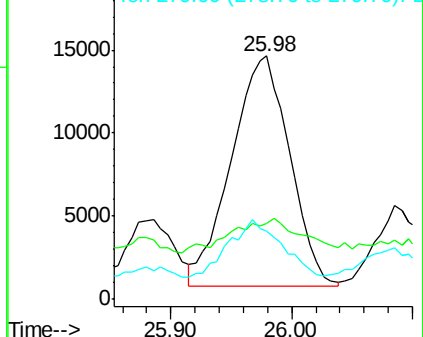
279 28.1 19.4 29.2



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: 4.20 ng/ul

RT: 26.69 min Scan# 4097

Delta R.T. 0.04 min

Lab File: BM005571.D

Acq: 22 May 2016 03:38

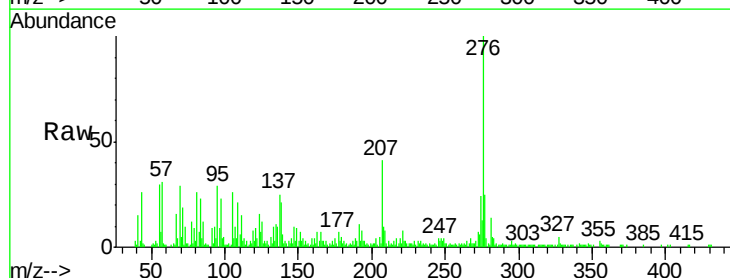
Tgt Ion:276 Resp: 182858

Ion Ratio Lower Upper

276 100

138 20.7 15.0 22.6

277 25.3 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

