

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021216\
 Data File : BM004249.D
 Acq On : 13 Feb 2016 04:27
 Operator : SJ/IZ
 Sample : H1414-10MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9QD4MS

Quant Time: Feb 13 05:06:09 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 13 05:01:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	31912	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	136458	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	71373	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	146800	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	152588	20.00	ng/ul	0.00
86) Perylene-d12	23.50	264	152408	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	1965	3.10	ng/uL	0.00
5) Phenol-d5	6.83	99	44628	17.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	24751	17.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	41318	18.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	38895	17.81	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	19440	18.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	21933	18.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	37141	17.56	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	35016	13.91	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	112985	19.02	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	139537	19.34	ng/ul	0.00
52) 4-Nitrophenol-d4	14.53	143	15208	15.83	ng/ul	0.00
58) Fluorene-d10	15.30	176	96802	19.34	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.44	200	13369	14.95	ng/ul	0.00
71) Anthracene-d10	17.16	188	140629	19.59	ng/ul	0.00
79) Pyrene-d10	19.46	212	149192	18.42	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.36	264	159356	19.59	ng/ul	0.00

Target Compounds

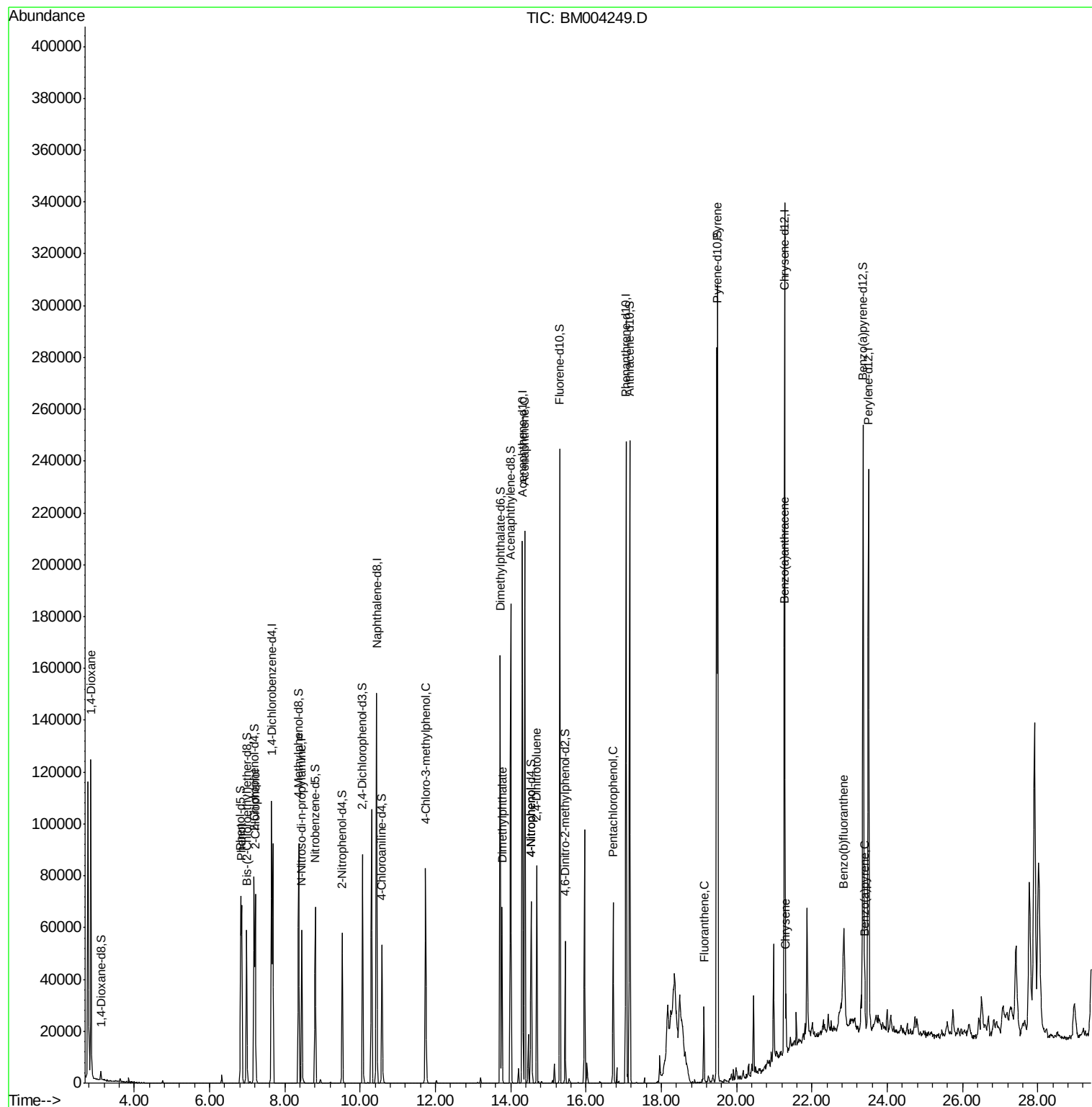
						Qvalue
2) 1,4-Dioxane	2.85	88	894	1.21	ng/uL#	1
6) Phenol	6.85	94	41177	15.08	ng/ul	100
10) 2-Chlorophenol	7.21	128	35836	15.17	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.45	70	25113	14.96	ng/ul	97
33) 4-Chloro-3-methylphenol	11.74	107	35646	14.61	ng/ul	97
45) Dimethylphthalate	13.76	163	46614	7.51	ng/ul	99
50) Acenaphthene	14.37	153	87878	16.46	ng/ul	98
53) 4-Nitrophenol	14.55	109	10562	13.74	ng/ul	98
55) 2,4-Dinitrotoluene	14.69	165	27413	15.58	ng/ul	100
69) Pentachlorophenol	16.72	266	13823	15.62	ng/ul	99
77) Fluoranthene	19.13	202	18642	2.01	ng/ul	100
80) Pyrene	19.49	202	184696	16.74	ng/ul	99
83) Benzo(a)anthracene	21.25	228	12319	1.25	ng/ul	98
85) Chrysene	21.30	228	13452	1.45	ng/ul	99
88) Benzo(b)fluoranthene	22.83	252	20815	2.06	ng/ul#	96
91) Benzo(a)pyrene	23.40	252	12260	1.28	ng/ul	96

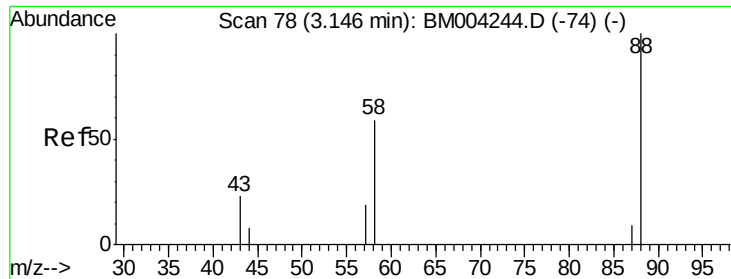
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 1.21 ng/uL

RT: 2.85 min Scan# 27

Delta R.T. -0.30 min

Lab File: BM004249.D

Acq: 13 Feb 2016 04:27

Instrument :

BNA_M

ClientSampleId :

D9QD4MS

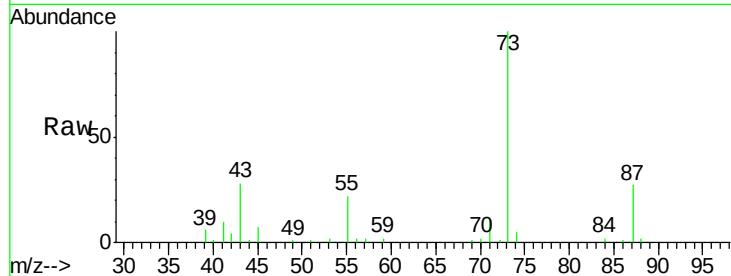
Tgt Ion: 88 Resp: 894

Ion Ratio Lower Upper

88 100

43 2011.3 21.0 31.6#

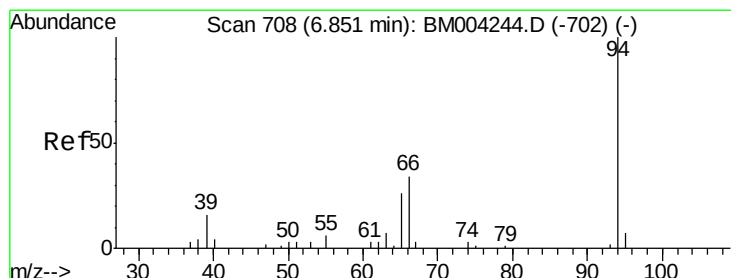
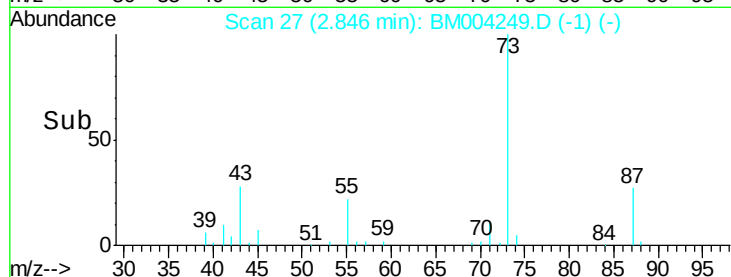
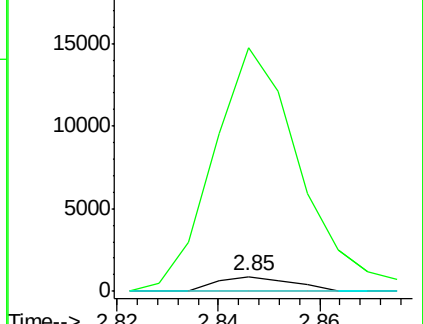
58 0.0 47.8 71.8#



Abundance Ion 88.00 (87.70 to 88.70): BM004244.D (-74) (-)

Ion 43.00 (42.70 to 43.70): BM004244.D (-74) (-)

Ion 58.00 (57.70 to 58.70): BM004244.D (-74) (-)



#6

Phenol

Concen: 15.08 ng/uL

RT: 6.85 min Scan# 708

Delta R.T. 0.00 min

Lab File: BM004249.D

Acq: 13 Feb 2016 04:27

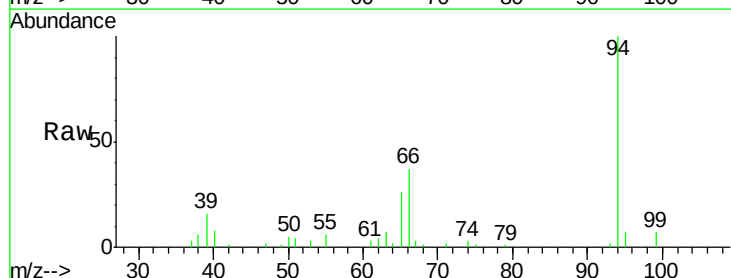
Tgt Ion: 94 Resp: 41177

Ion Ratio Lower Upper

94 100

65 26.4 21.0 31.6

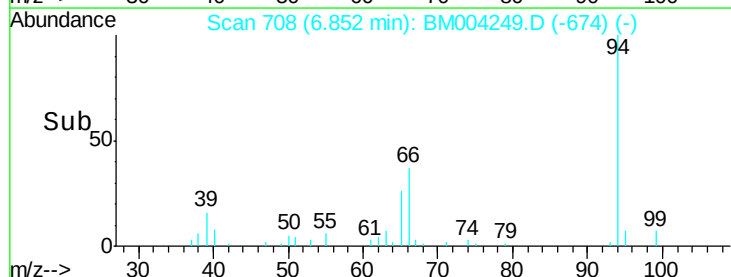
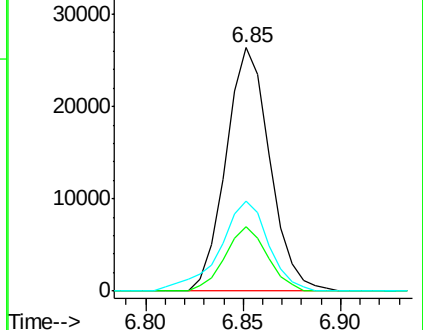
66 36.9 29.3 43.9

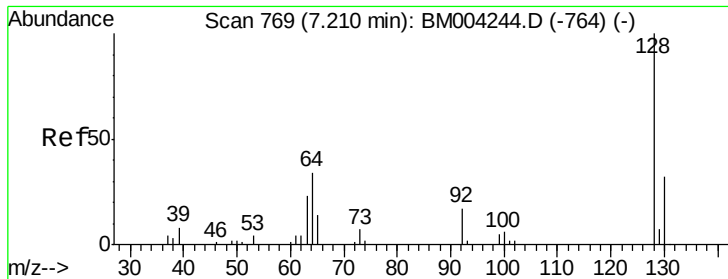


Abundance Ion 94.00 (93.70 to 94.70): BM004244.D (-702) (-)

Ion 65.00 (64.70 to 65.70): BM004244.D (-702) (-)

Ion 66.00 (65.70 to 66.70): BM004244.D (-702) (-)

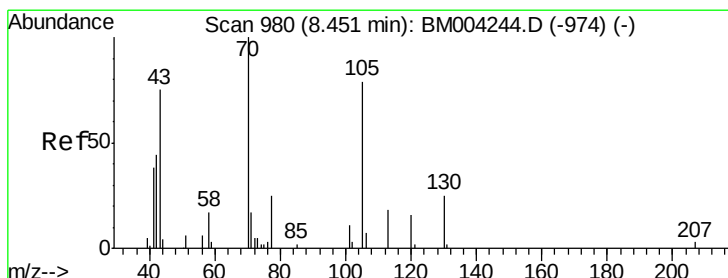
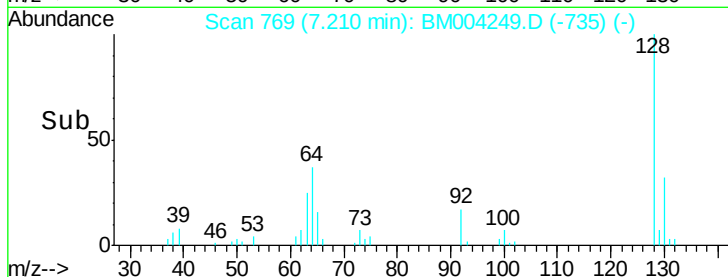
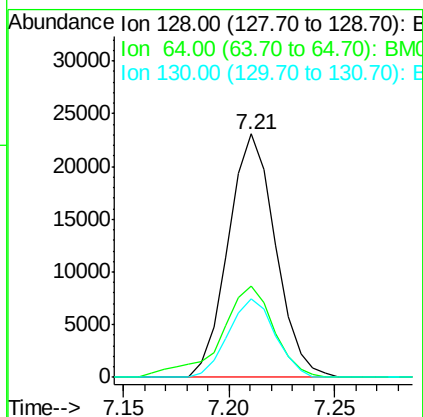
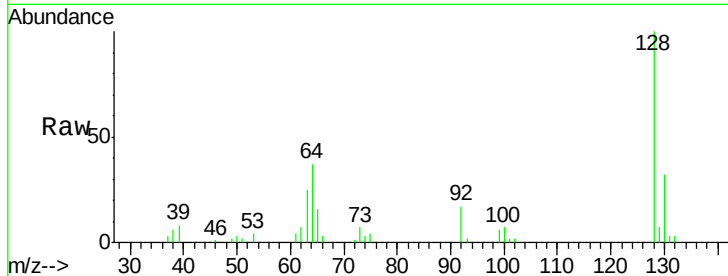




#10
 2-Chlorophenol
 Concen: 15.17 ng/ul
 RT: 7.21 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BM004249.D
 Acq: 13 Feb 2016 04:27

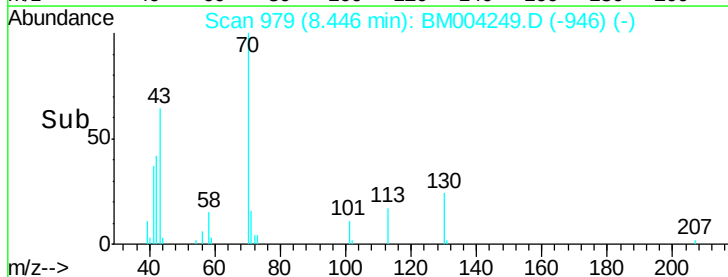
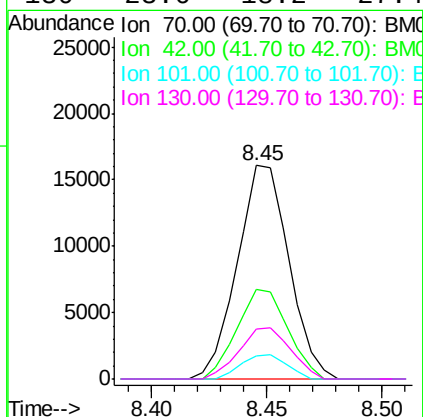
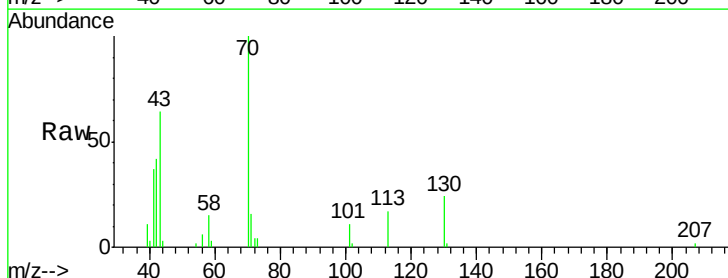
Instrument :
 BNA_M
 ClientSampleId :
 D9QD4MS

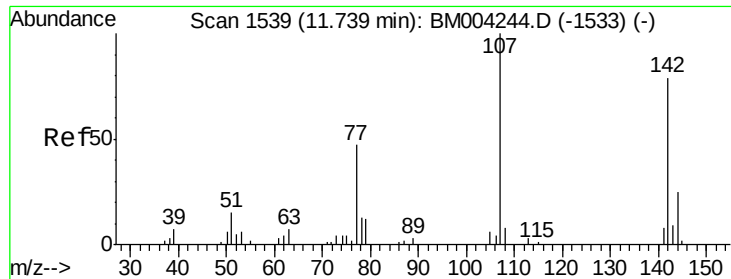
Tgt Ion: 128 Resp: 35836
 Ion Ratio Lower Upper
 128 100
 64 37.5 31.9 47.9
 130 32.1 25.6 38.4



#15
 N-Nitroso-di-n-propylamine
 Concen: 14.96 ng/ul
 RT: 8.45 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: BM004249.D
 Acq: 13 Feb 2016 04:27

Tgt Ion: 70 Resp: 25113
 Ion Ratio Lower Upper
 70 100
 42 42.0 35.4 53.0
 101 11.0 8.4 12.6
 130 23.6 18.2 27.4

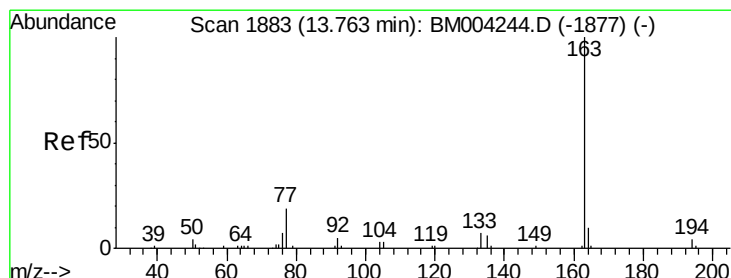
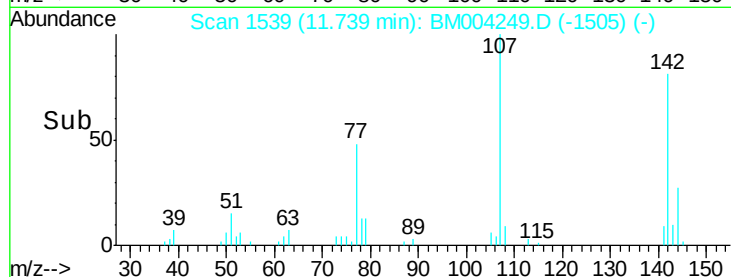
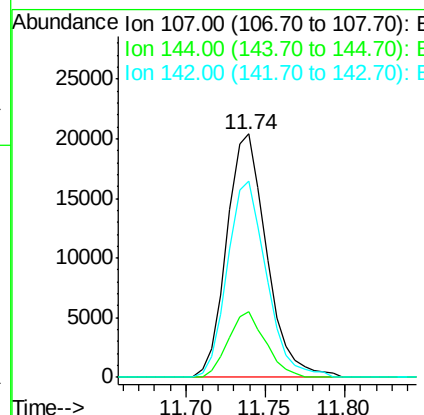
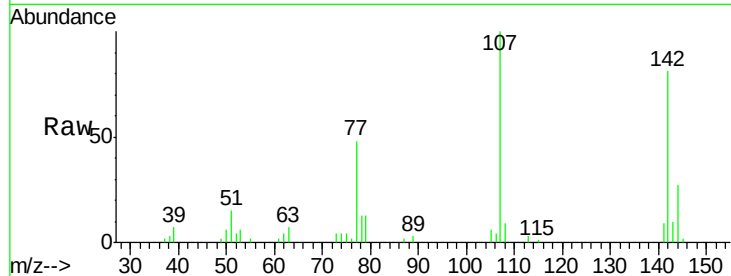




#33
 4-Chloro-3-methylphenol
 Concen: 14.61 ng/ul
 RT: 11.74 min Scan# 1539
 Delta R.T. 0.00 min
 Lab File: BM004249.D
 Acq: 13 Feb 2016 04:27

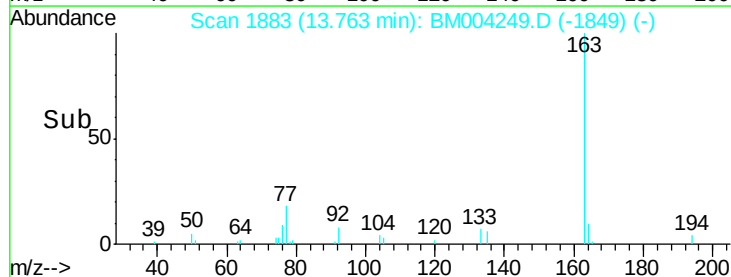
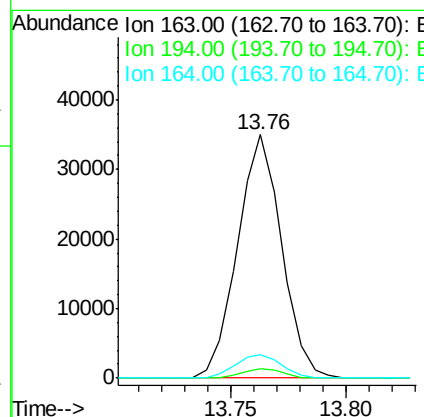
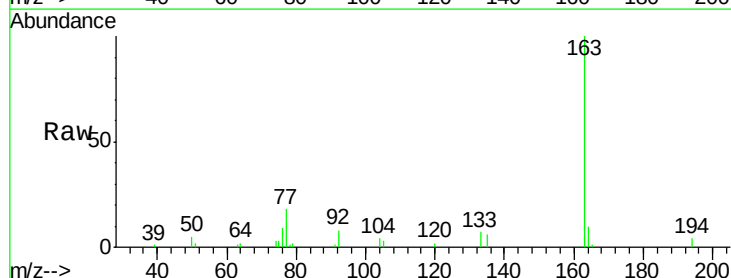
Instrument :
 BNA_M
 ClientSampleId :
 D9QD4MS

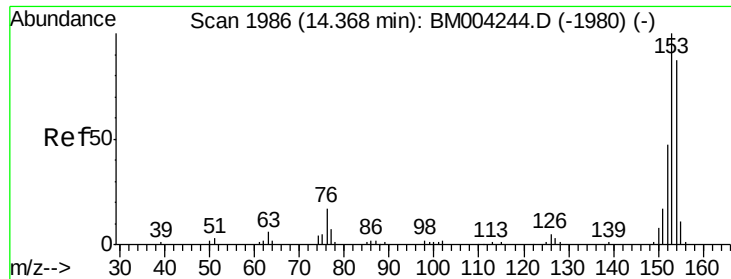
Tgt Ion:107 Resp: 35646
 Ion Ratio Lower Upper
 107 100
 144 27.1 20.4 30.6
 142 80.7 62.5 93.7



#45
 Dimethylphthalate
 Concen: 7.51 ng/ul
 RT: 13.76 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: BM004249.D
 Acq: 13 Feb 2016 04:27

Tgt Ion:163 Resp: 46614
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.2 4.8
 164 9.5 7.8 11.8





#50

Acenaphthene

Concen: 16.46 ng/ul

RT: 14.37 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BM004249.D

Acq: 13 Feb 2016 04:27

Instrument :

BNA_M

ClientSampleId :

D9QD4MS

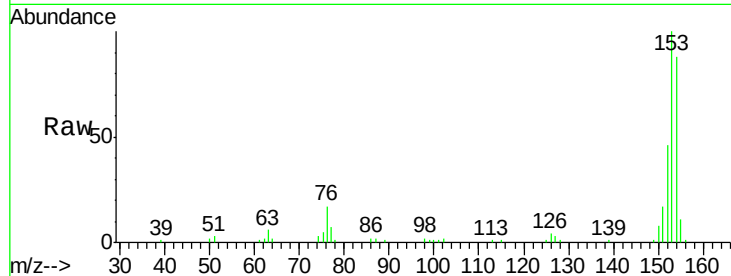
Tgt Ion:153 Resp: 87878

Ion Ratio Lower Upper

153 100

152 46.3 38.3 57.5

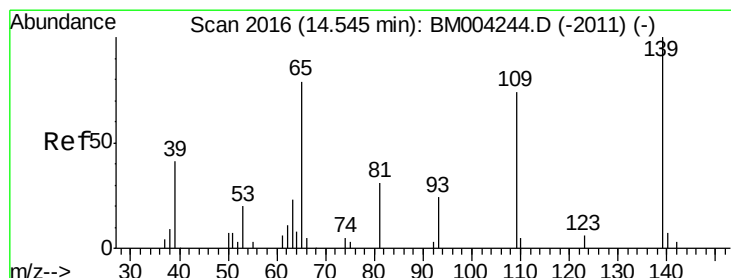
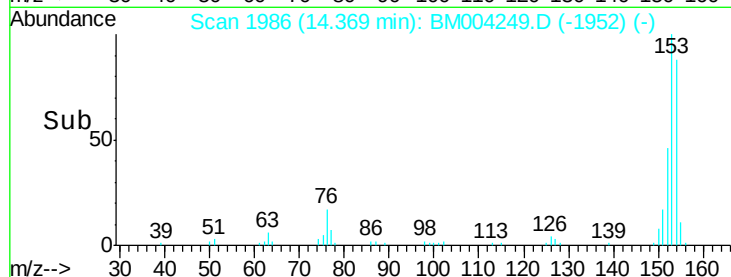
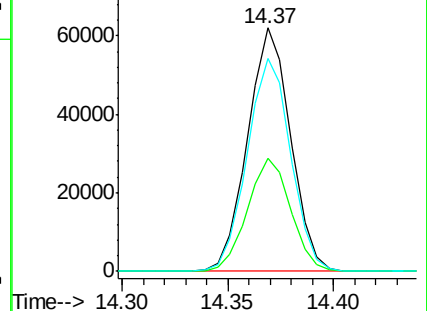
154 87.7 71.8 107.8



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

4-Nitrophenol

Concen: 13.74 ng/ul

RT: 14.55 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BM004249.D

Acq: 13 Feb 2016 04:27

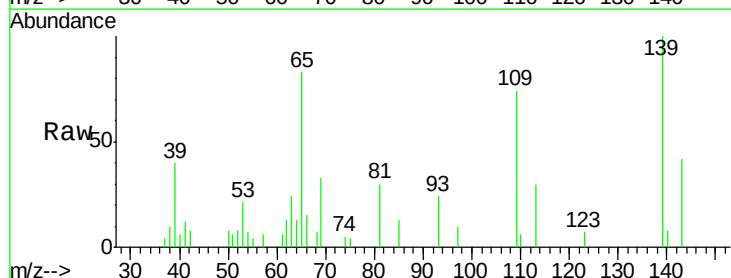
Tgt Ion:109 Resp: 10562

Ion Ratio Lower Upper

109 100

139 134.4 103.7 155.5

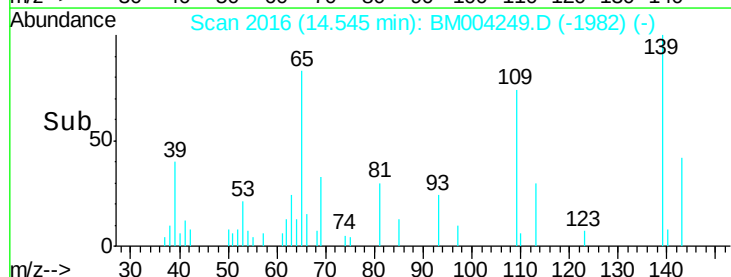
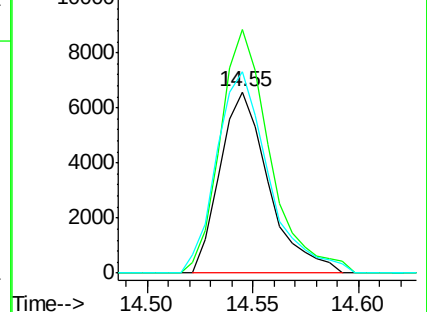
65 111.2 89.4 134.2

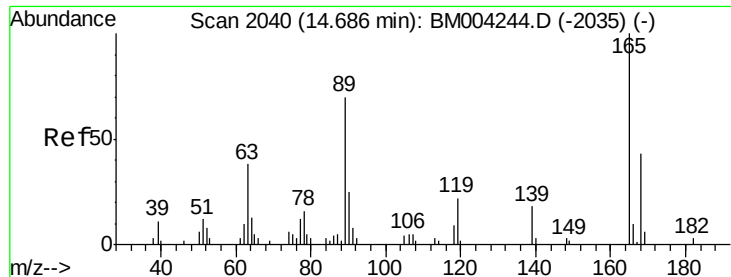


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): E





#55

2,4-Dinitrotoluene

Concen: 15.58 ng/ul

RT: 14.69 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BM004249.D

Acq: 13 Feb 2016 04:27

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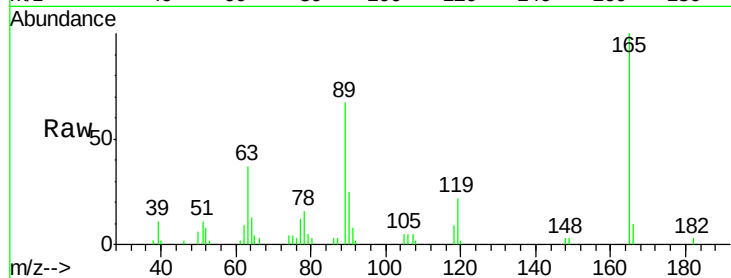
Tgt Ion:165 Resp: 27413

Ion Ratio Lower Upper

165 100

63 37.0 29.8 44.6

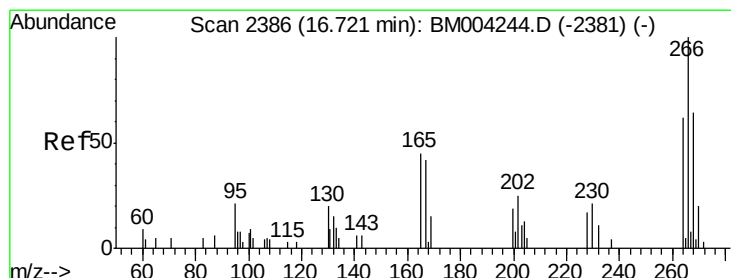
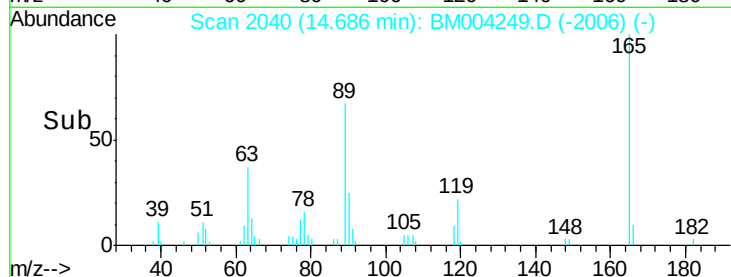
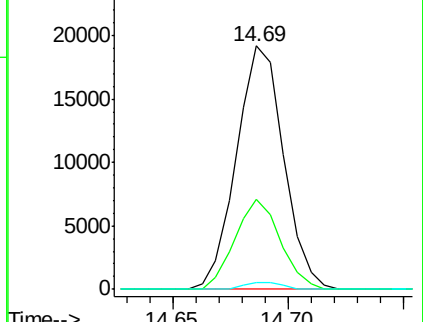
182 2.8 2.2 3.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM004249.D (-2006) (-)

Ion 182.00 (181.70 to 182.70): E



#69

Pentachlorophenol

Concen: 15.62 ng/ul

RT: 16.72 min Scan# 2385

Delta R.T. -0.01 min

Lab File: BM004249.D

Acq: 13 Feb 2016 04:27

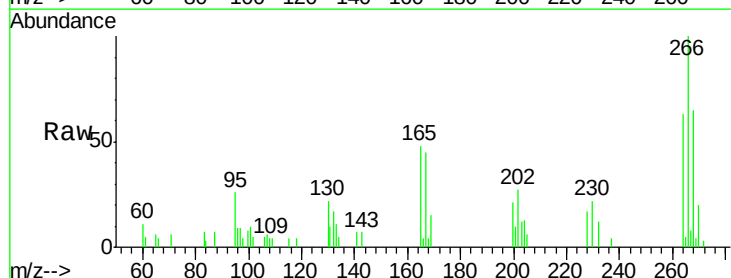
Tgt Ion:266 Resp: 13823

Ion Ratio Lower Upper

266 100

264 63.1 50.5 75.7

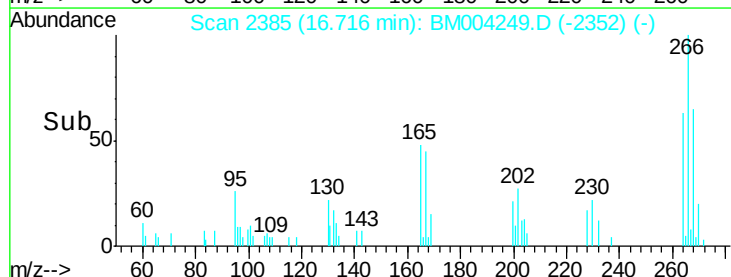
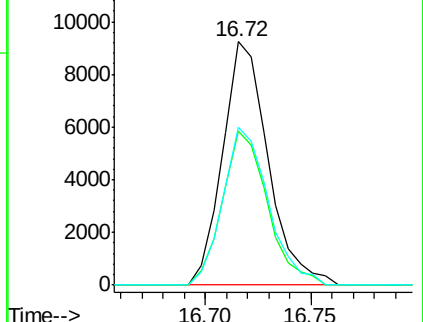
268 64.7 50.9 76.3

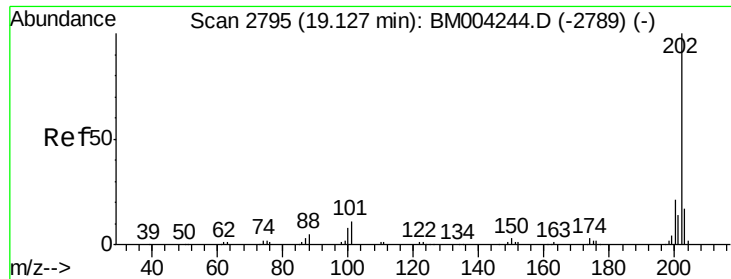


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

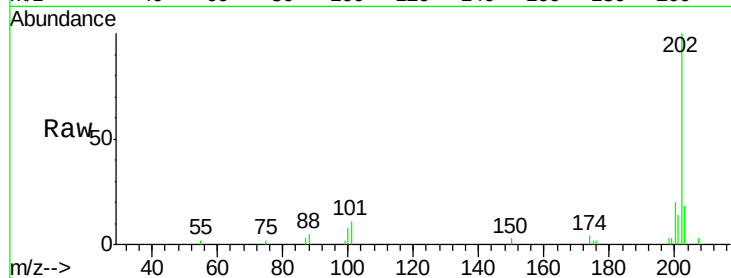




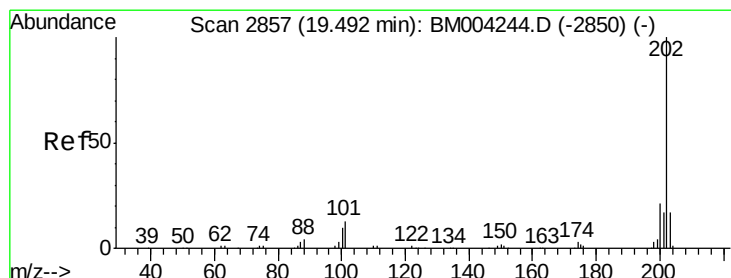
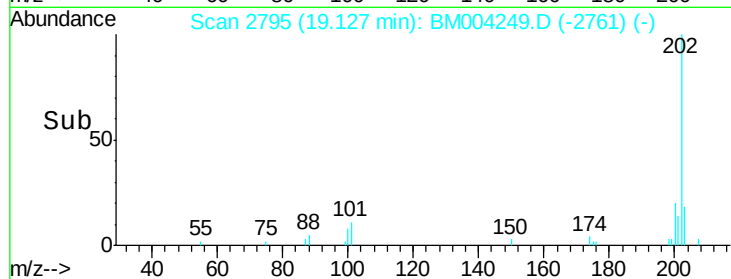
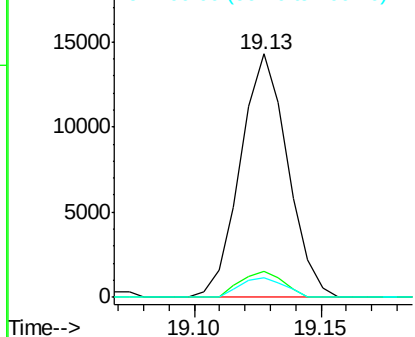
#77
Fluoranthene
 Concen: 2.01 ng/ul
 RT: 19.13 min Scan# 2795
 Delta R.T. 0.00 min
 Lab File: BM004249.D
 Acq: 13 Feb 2016 04:27

Instrument :
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 D9QD4MS

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.8	13.2
100	8.2	6.6	9.8

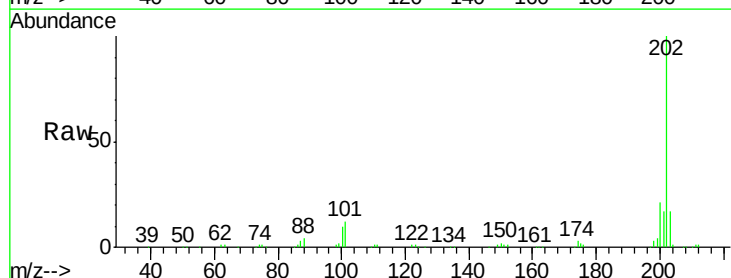


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

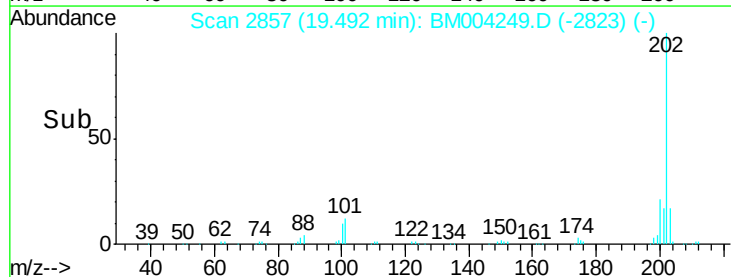
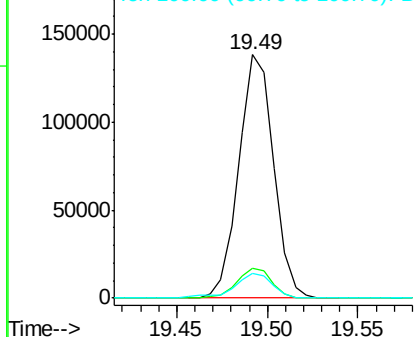


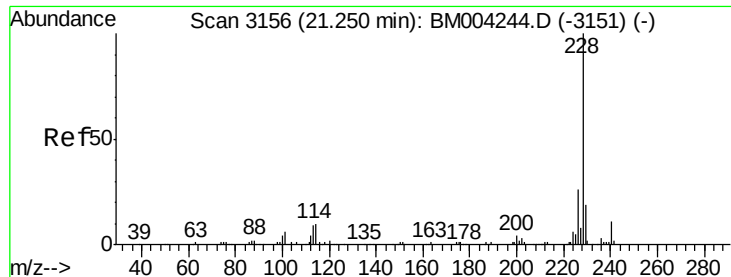
#80
Pyrene
 Concen: 16.74 ng/ul
 RT: 19.49 min Scan# 2857
 Delta R.T. 0.00 min
 Lab File: BM004249.D
 Acq: 13 Feb 2016 04:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	10.2	15.2
100	10.1	8.5	12.7



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





#83

Benzo(a)anthracene

Concen: 1.25 ng/ul

RT: 21.25 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BM004249.D

Acq: 13 Feb 2016 04:27

Instrument :

BNA_M

ClientSampleId :

D9QD4MS

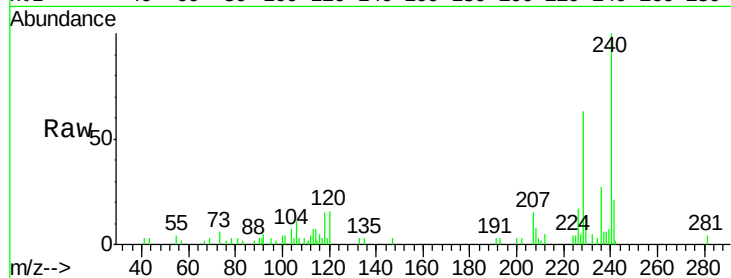
Tgt Ion:228 Resp: 12319

Ion Ratio Lower Upper

228 100

229 21.2 15.7 23.5

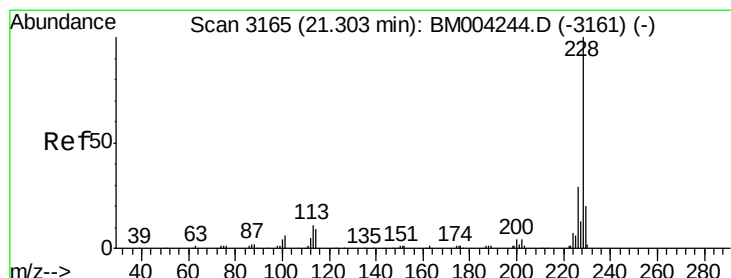
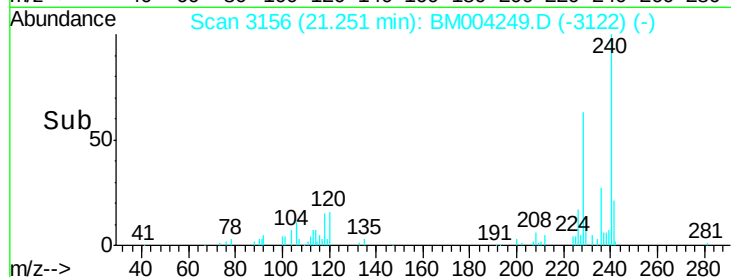
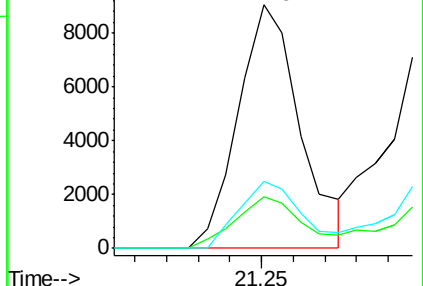
226 27.7 21.8 32.6



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



#85

Chrysene

Concen: 1.45 ng/ul

RT: 21.30 min Scan# 3165

Delta R.T. 0.00 min

Lab File: BM004249.D

Acq: 13 Feb 2016 04:27

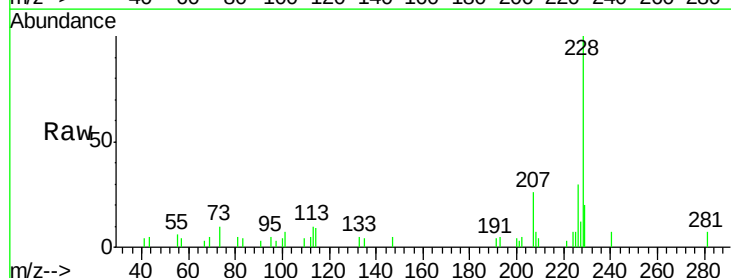
Tgt Ion:228 Resp: 13452

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

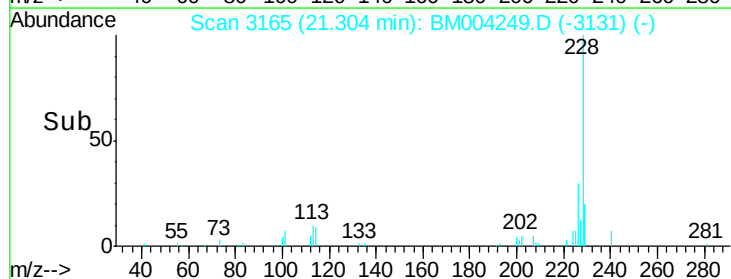
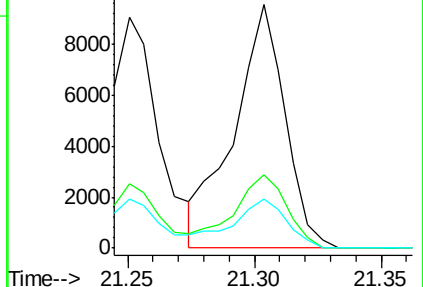
229 20.3 15.6 23.4

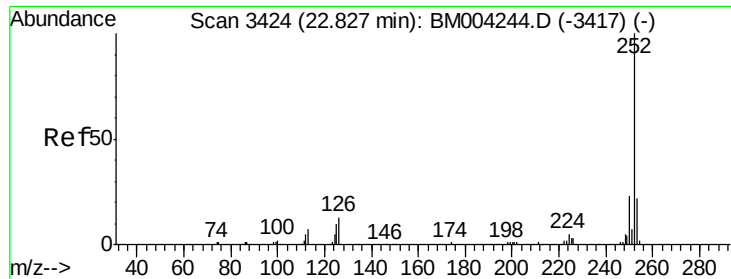


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 2.06 ng/ul

RT: 22.83 min Scan# 3425

Delta R.T. 0.01 min

Lab File: BM004249.D

Acq: 13 Feb 2016 04:27

Instrument :

BNA_M

ClientSampleId :

D9QD4MS

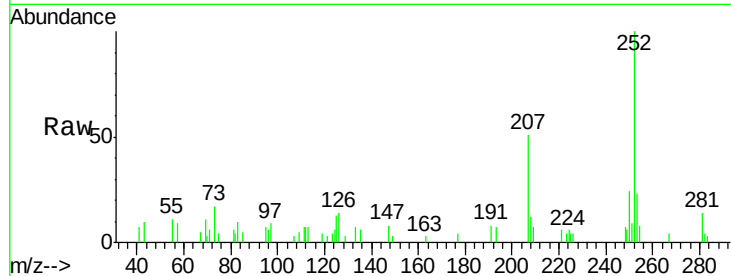
Tgt Ion:252 Resp: 20815

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

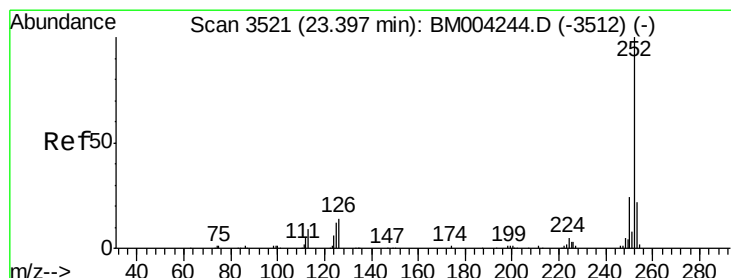
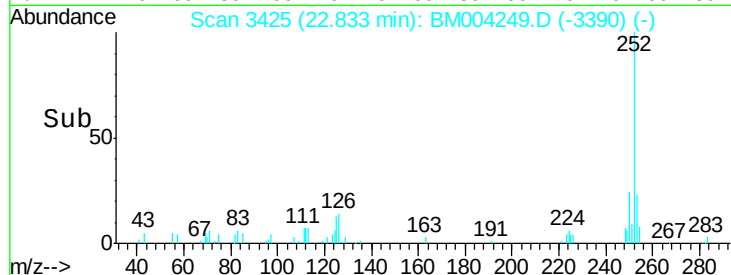
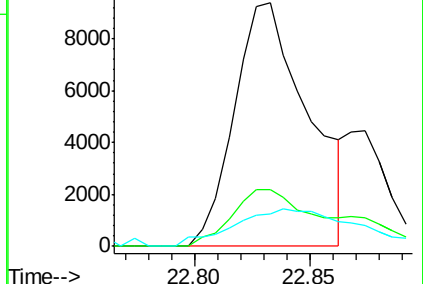
125 13.4 8.5 12.7#



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



#91

Benzo(a)pyrene

Concen: 1.28 ng/ul

RT: 23.40 min Scan# 3521

Delta R.T. 0.00 min

Lab File: BM004249.D

Acq: 13 Feb 2016 04:27

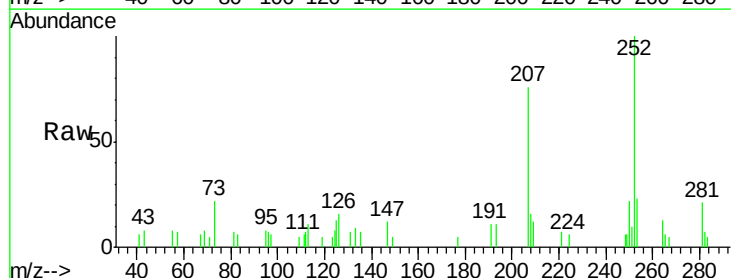
Tgt Ion:252 Resp: 12260

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

125 13.3 9.0 13.6



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

