

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005592.D
 Acq On : 22 May 2016 18:25
 Operator : UM/SJ
 Sample : H3087-10MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK4MS

Quant Time: May 23 05:33:33 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 05:32:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	40225	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	200968	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	134783	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	346134	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	483619	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	553396	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	2346	2.55	ng/uL	0.00
5) Phenol-d5	6.98	99	61448	18.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	37909	19.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	49815	18.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	52377	19.39	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	27087	17.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	30344	17.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	56120	17.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	68202	21.38	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	221021	20.09	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	256814	18.67	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	35101	16.87	ng/ul	0.00
57) Fluorene-d10	15.43	176	196484	20.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.55	200	22817	11.46	ng/ul	0.00
70) Anthracene-d10	17.28	188	324918	19.71	ng/ul	0.00
76) Pyrene-d10	19.57	212	415011	18.95	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	508942	19.70	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.01	94	73262	21.57	ng/ul	97
10) 2-Chlorophenol	7.37	128	51668	18.72	ng/ul	98
14) Acetophenone	8.63	105	5857	1.44	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.61	70	49906	23.23	ng/ul	99
33) 4-Chloro-3-methylphenol	11.89	107	72571	21.09	ng/ul	100
44) Dimethylphthalate	13.90	163	35781	3.29	ng/ul	99
47) Acenaphthylene	14.17	152	20406	1.46	ng/ul	97
49) Acenaphthene	14.51	153	189064	20.52	ng/ul	98
52) 4-Nitrophenol	14.66	109	37020	17.70	ng/ul	98
54) 2,4-Dinitrotoluene	14.80	165	70344	21.93	ng/ul	96
58) Fluorene	15.49	166	14560	1.38	ng/ul	97
68) Pentachlorophenol	16.83	266	39856	15.11	ng/ul	98
69) Phenanthrene	17.23	178	210250	10.87	ng/ul	98
71) Anthracene	17.32	178	61879	3.14	ng/ul	99
74) Fluoranthene	19.24	202	441482	20.28	ng/ul	99
77) Pyrene	19.60	202	956491	34.40	ng/ul	97
80) Benzo(a)anthracene	21.34	228	186397	6.56	ng/ul	94
82) Chrysene	21.40	228	219316	8.11	ng/ul	97
85) Benzo(b)fluoranthene	22.96	252	224579	6.88	ng/ul#	96
86) Benzo(k)fluoranthene	22.96	252	224579	7.27	ng/ul	97
88) Benzo(a)pyrene	23.54	252	185422	5.86	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.93	276	112447	2.99	ng/ul	96
91) Benzo(g,h,i)perylene	26.63	276	98004	3.10	ng/ul	98

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Response via : Initial Calibration

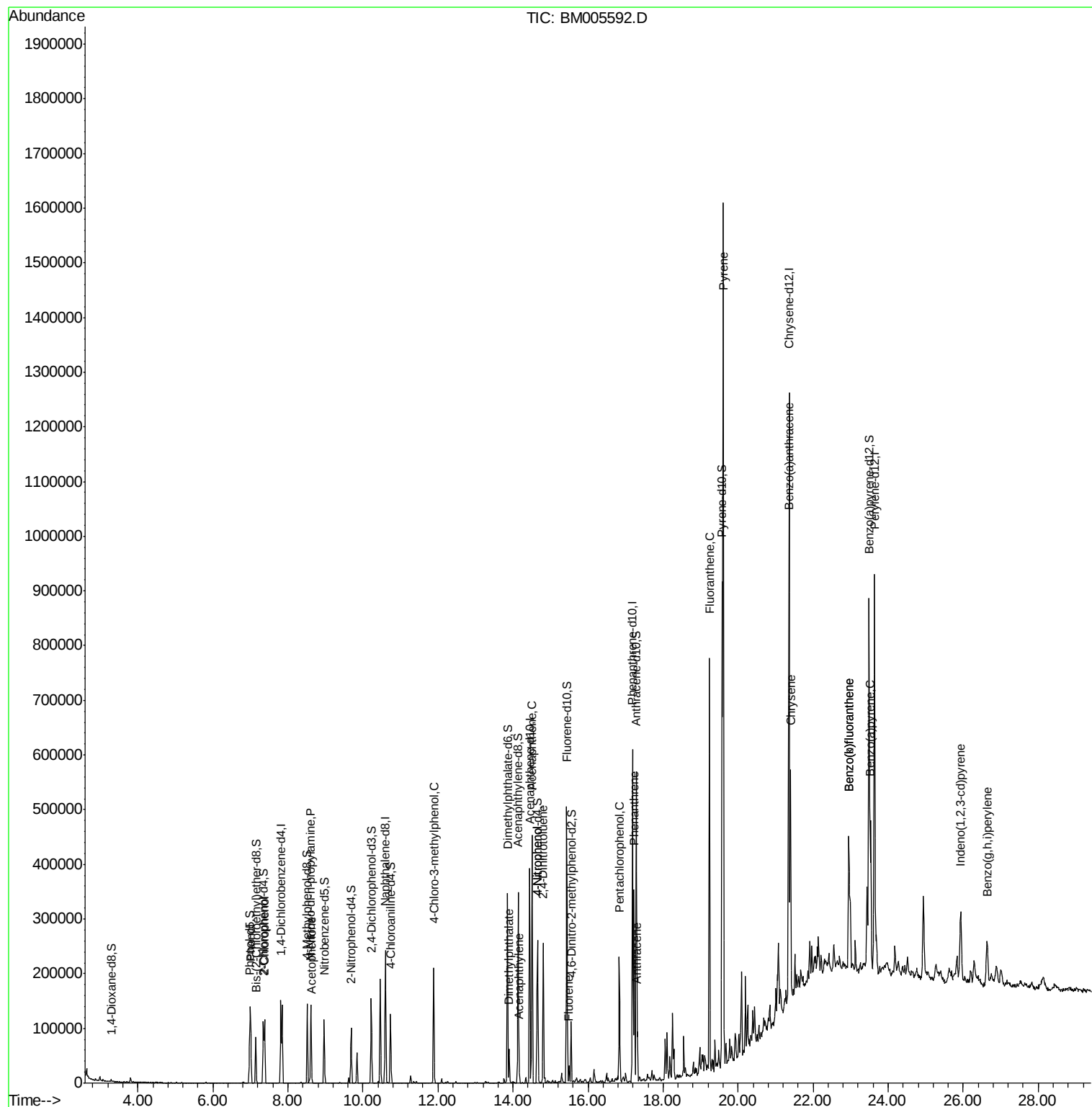
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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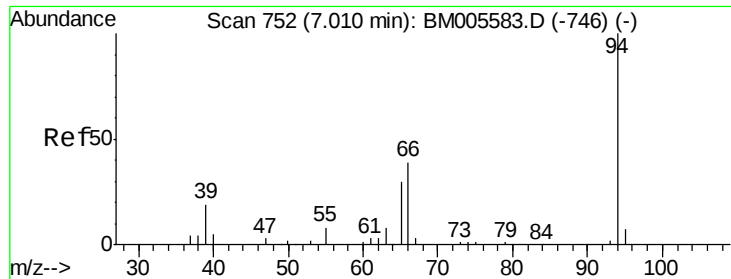
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 21.57 ng/ul

RT: 7.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

Instrument :

BNA_M

ClientSampleId :

JHGK4MS

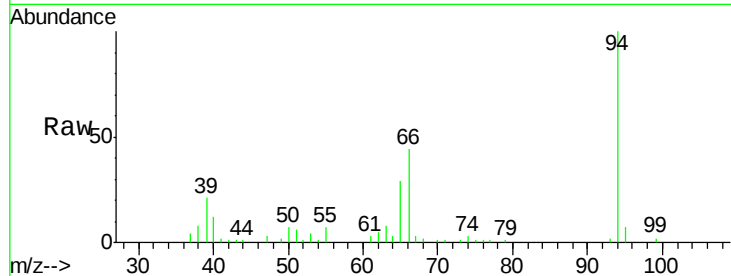
Tgt Ion: 94 Resp: 73262

Ion Ratio Lower Upper

94 100

65 28.9 24.2 36.2

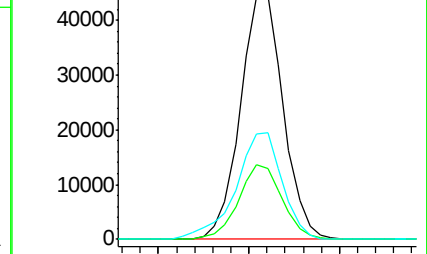
66 44.1 33.9 50.9



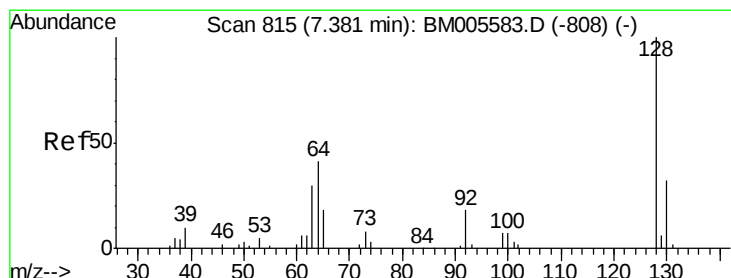
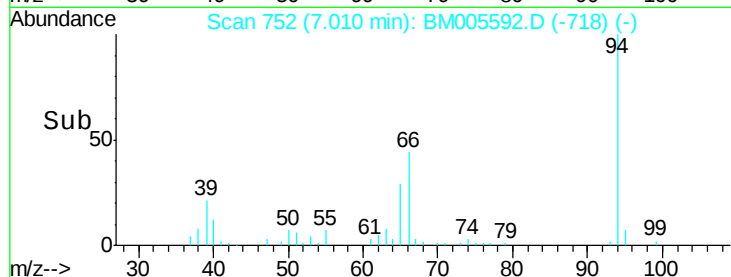
Abundance Ion 94.00 (93.70 to 94.70): BM005583.D (-746) (-)

Ion 65.00 (64.70 to 65.70): BM005583.D (-746) (-)

Ion 66.00 (65.70 to 66.70): BM005583.D (-746) (-)



Time-->



#10

2-Chlorophenol

Concen: 18.72 ng/ul

RT: 7.37 min Scan# 814

Delta R.T. -0.01 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

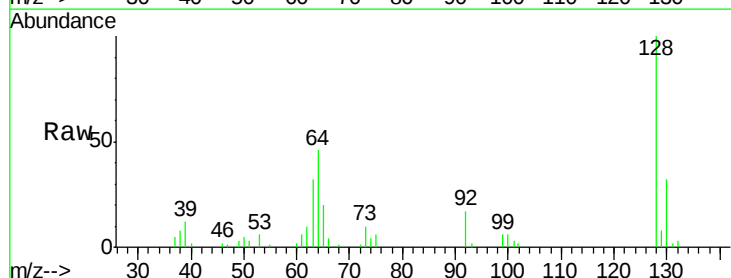
Tgt Ion: 128 Resp: 51668

Ion Ratio Lower Upper

128 100

64 45.5 37.3 55.9

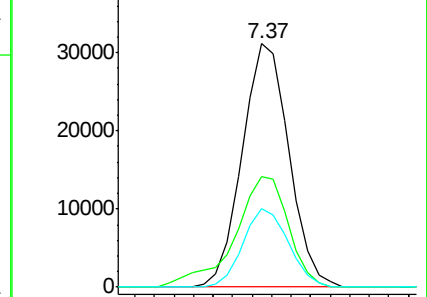
130 32.5 26.6 40.0



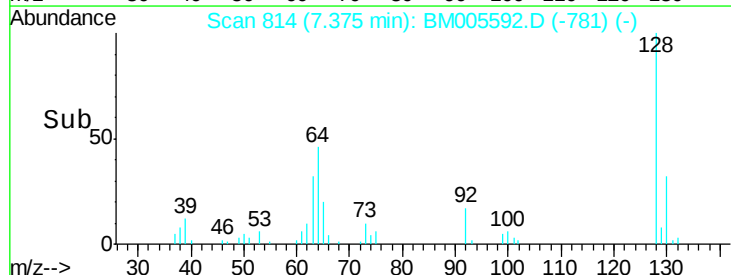
Abundance Ion 128.00 (127.70 to 128.70): BM005583.D (-808) (-)

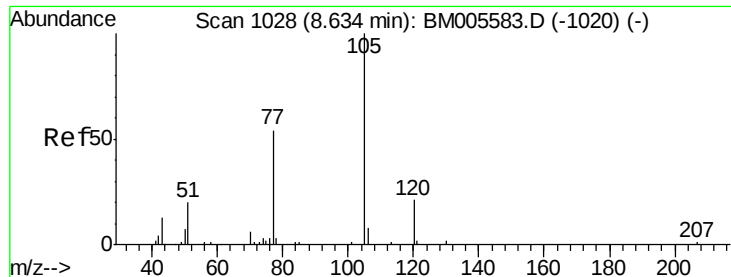
Ion 64.00 (63.70 to 64.70): BM005583.D (-808) (-)

Ion 130.00 (129.70 to 130.70): BM005583.D (-808) (-)



Time-->





#14

Acetophenone

Concen: 1.44 ng/ul

RT: 8.63 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

Instrument :

BNA_M

ClientSampleId :

JHGK4MS

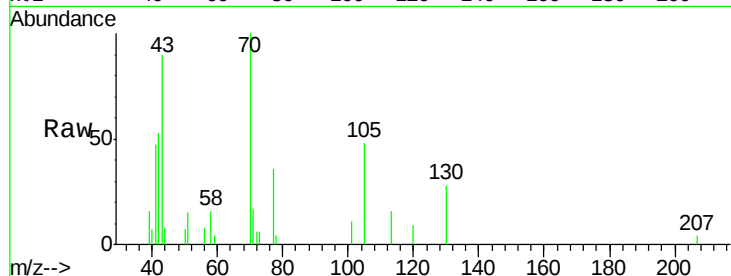
Tgt Ion: 105 Resp: 5857

Ion Ratio Lower Upper

105 100

77 74.4 60.8 91.2

51 30.5 22.2 33.2

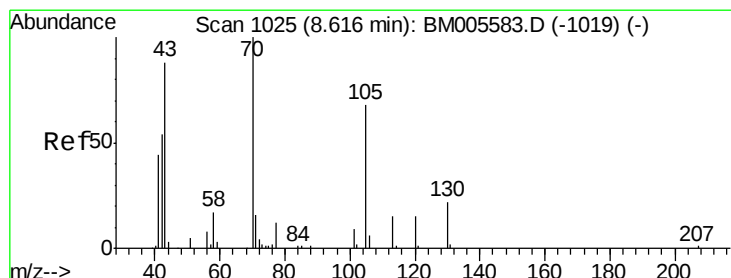
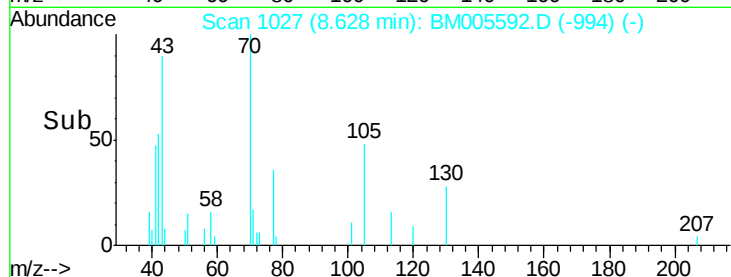
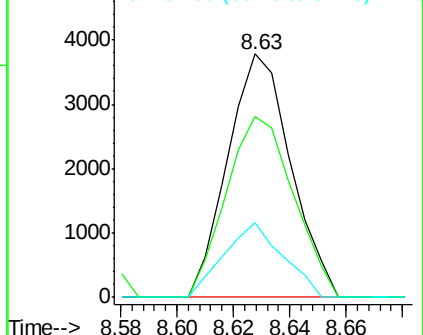


Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 51.00 (50.70 to 51.70): BM



#15

N-Nitroso-di-n-propylamine

Concen: 23.23 ng/ul

RT: 8.61 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

Tgt Ion: 70 Resp: 49906

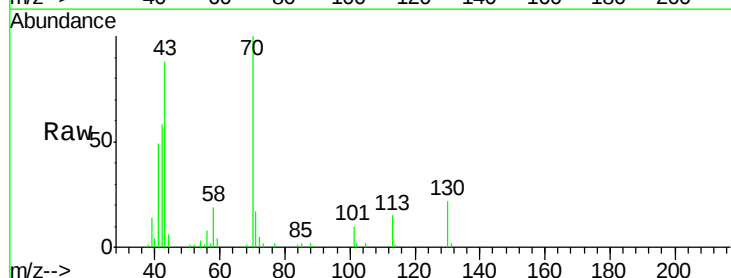
Ion Ratio Lower Upper

70 100

42 57.8 46.1 69.1

101 9.7 8.0 12.0

130 22.0 16.8 25.2



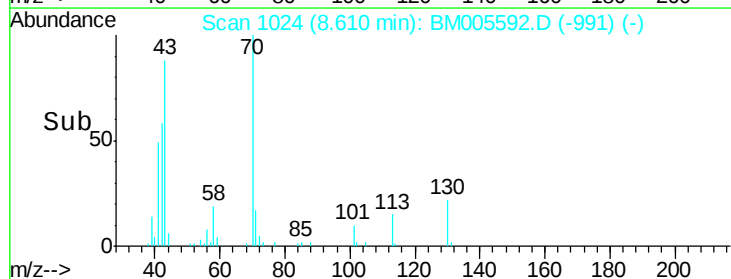
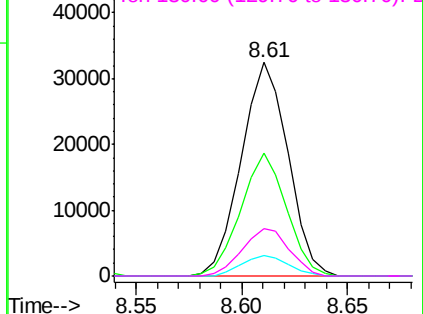
Abundance

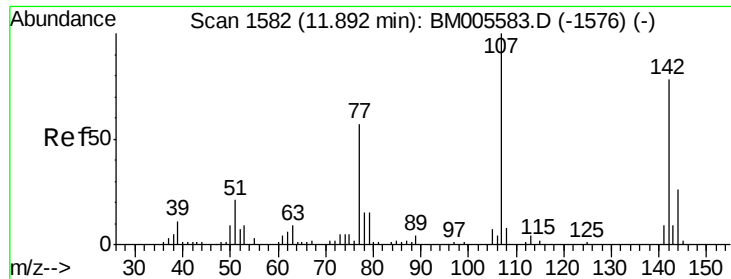
Ion 70.00 (69.70 to 70.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#33

4-Chloro-3-methylphenol

Concen: 21.09 ng/ul

RT: 11.89 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

Instrument :

BNA_M

ClientSampleId :

JHGK4MS

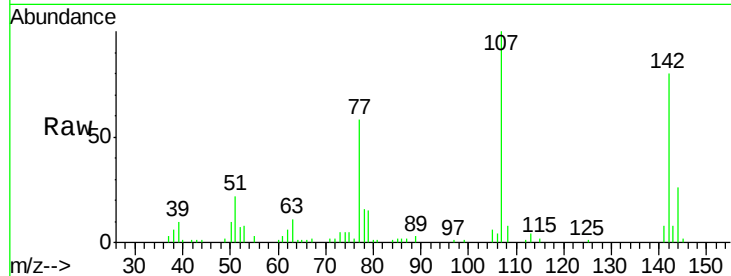
Tgt Ion:107 Resp: 72571

Ion Ratio Lower Upper

107 100

144 25.9 20.6 31.0

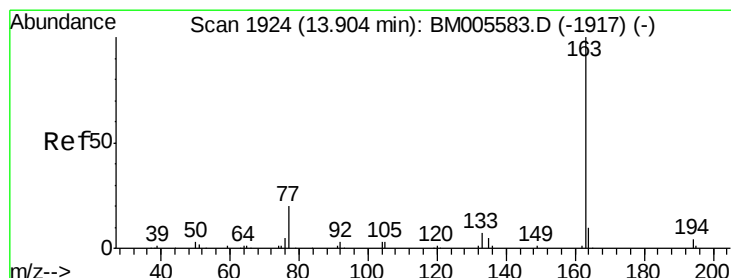
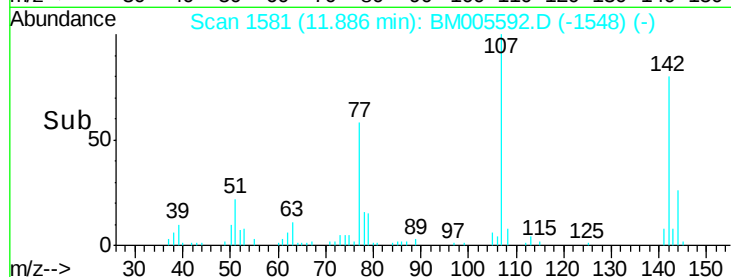
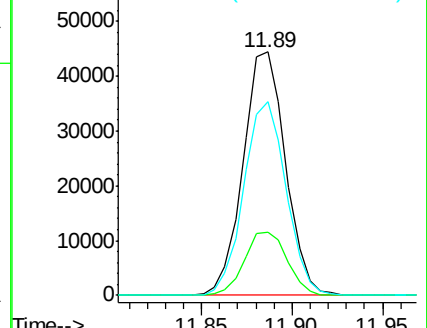
142 79.7 63.5 95.3



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#44

Dimethylphthalate

Concen: 3.29 ng/ul

RT: 13.90 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

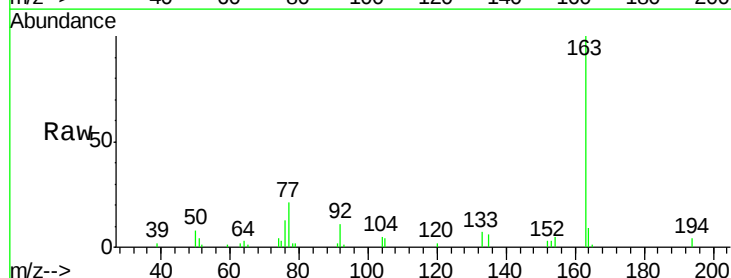
Tgt Ion:163 Resp: 35781

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

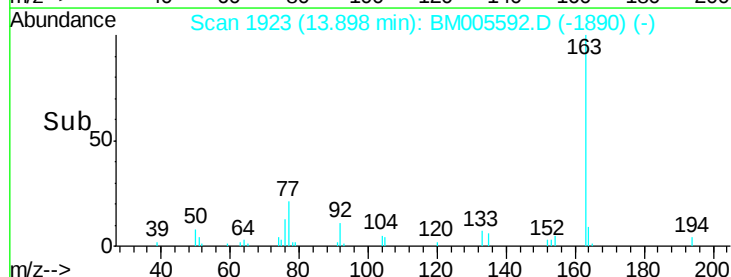
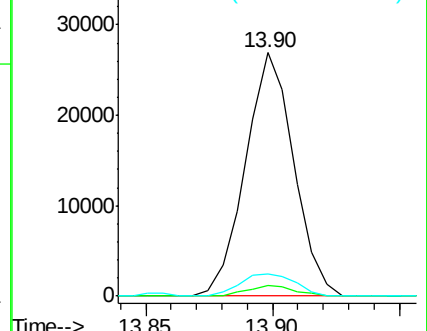
164 9.3 8.0 12.0

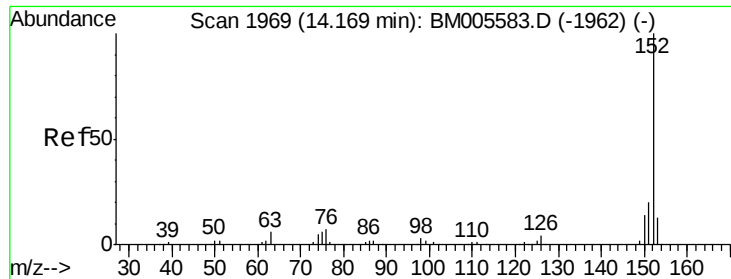


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 1.46 ng/ul

RT: 14.17 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

Instrument :

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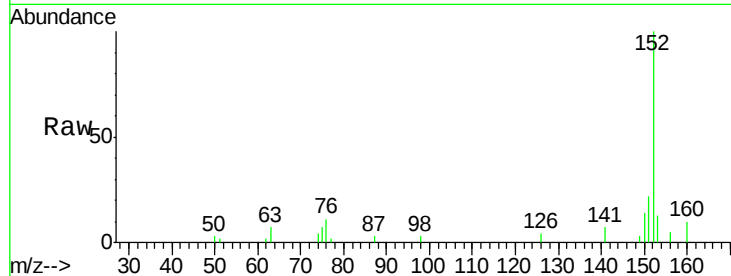
Tgt Ion:152 Resp: 20406

Ion Ratio Lower Upper

152 100

151 21.9 15.7 23.5

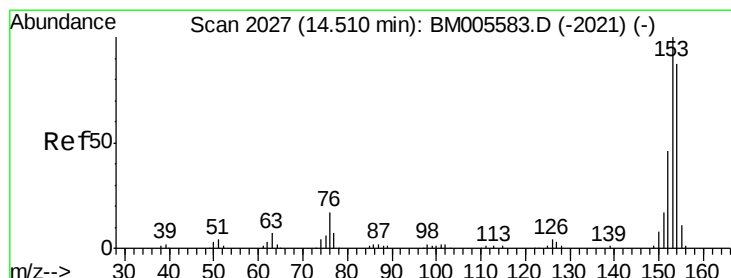
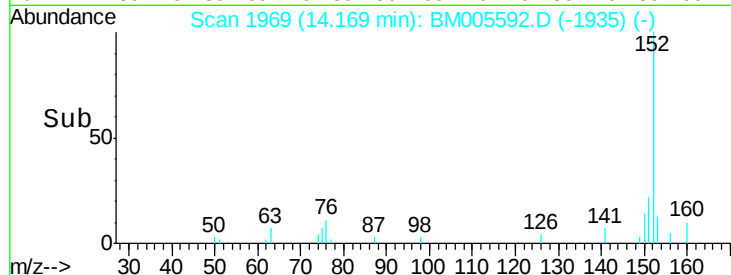
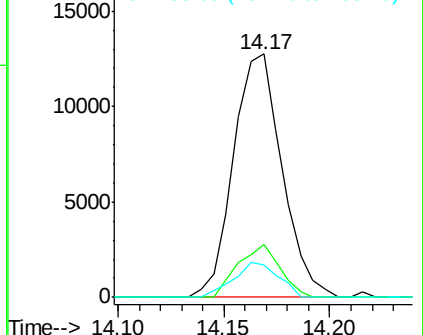
153 13.1 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 20.52 ng/ul

RT: 14.51 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

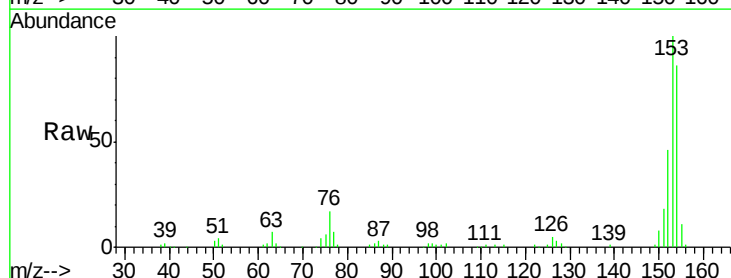
Tgt Ion:153 Resp: 189064

Ion Ratio Lower Upper

153 100

152 46.2 37.8 56.6

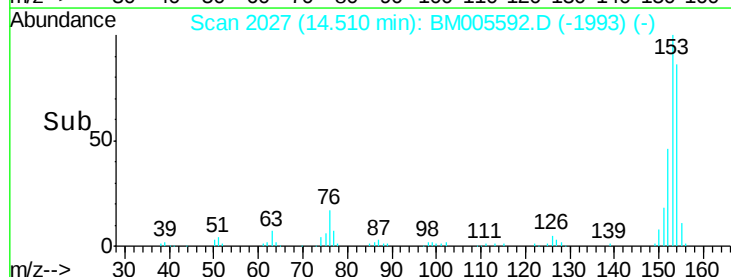
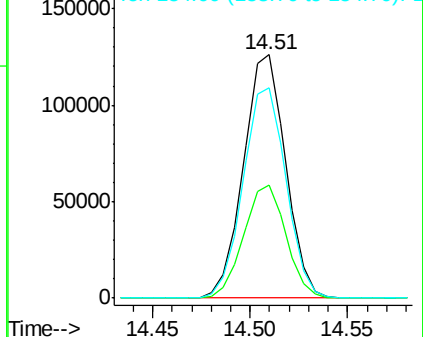
154 86.3 71.1 106.7

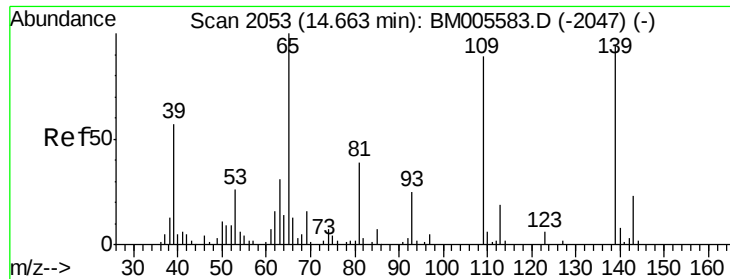


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 17.70 ng/ul

RT: 14.66 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

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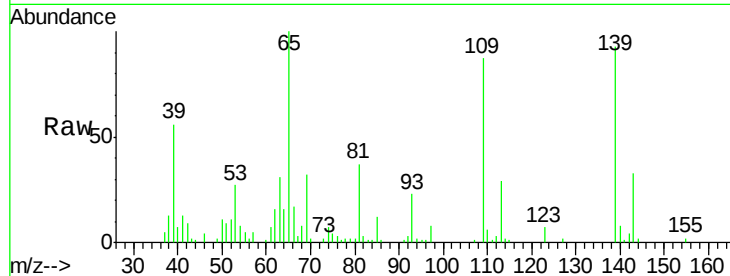
Tgt Ion:109 Resp: 37020

Ion Ratio Lower Upper

109 100

139 106.9 87.5 131.3

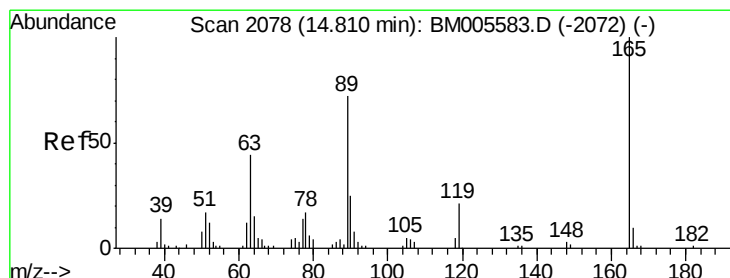
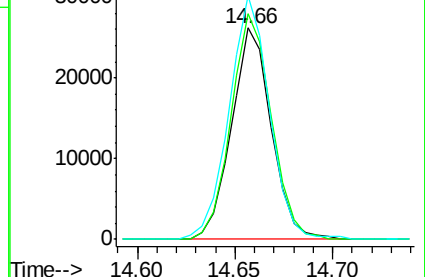
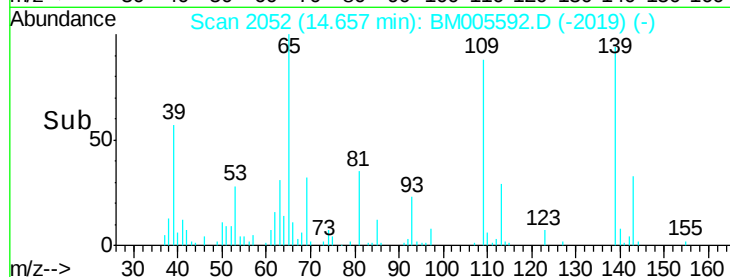
65 115.2 90.2 135.2



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): BM



#54

2,4-Dinitrotoluene

Concen: 21.93 ng/ul

RT: 14.80 min Scan# 2077

Delta R.T. -0.01 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

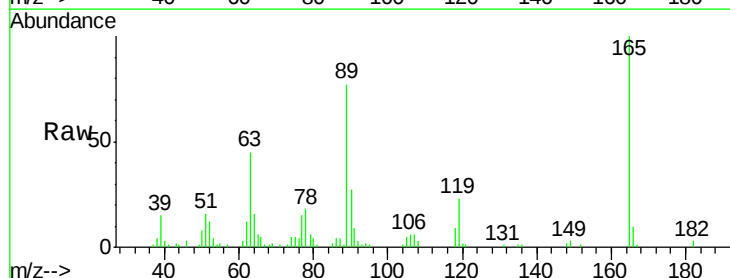
Tgt Ion:165 Resp: 70344

Ion Ratio Lower Upper

165 100

63 45.1 33.9 50.9

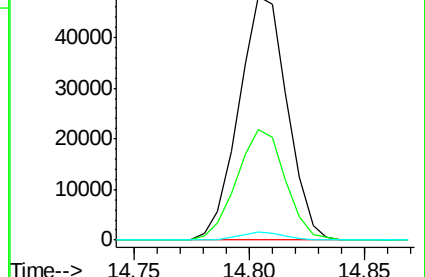
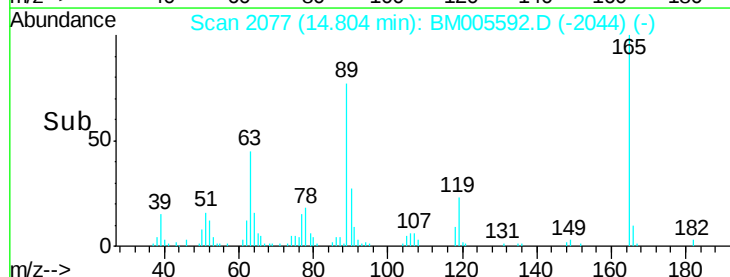
182 3.3 2.3 3.5

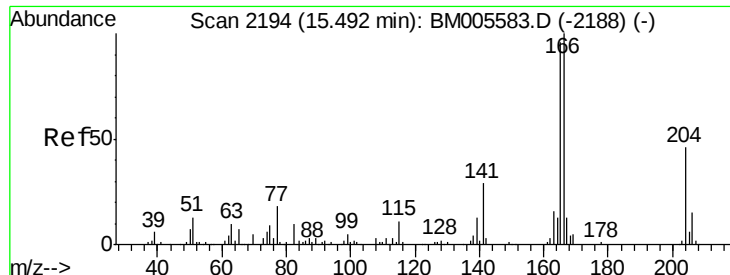


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 1.38 ng/ul

RT: 15.49 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

Instrument :

BNA_M

ClientSampleId :

JHGK4MS

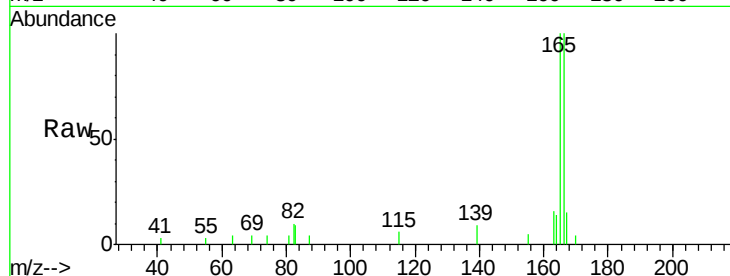
Tgt Ion:166 Resp: 14560

Ion Ratio Lower Upper

166 100

165 100.3 78.0 117.0

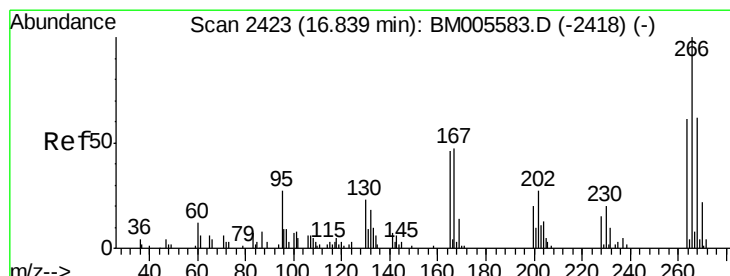
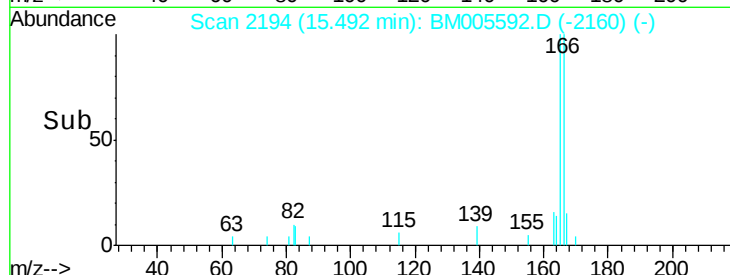
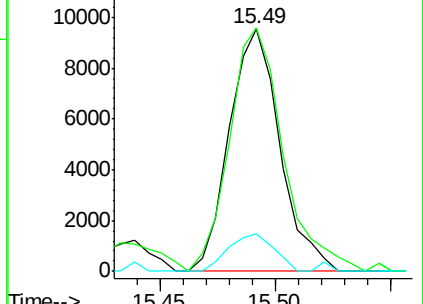
167 15.4 10.5 15.7



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



#68

Pentachlorophenol

Concen: 15.11 ng/ul

RT: 16.83 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

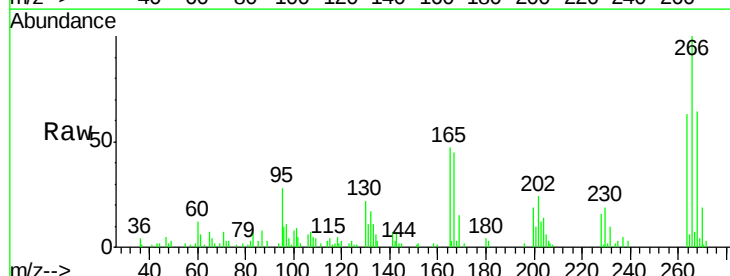
Tgt Ion:266 Resp: 39856

Ion Ratio Lower Upper

266 100

264 63.3 50.9 76.3

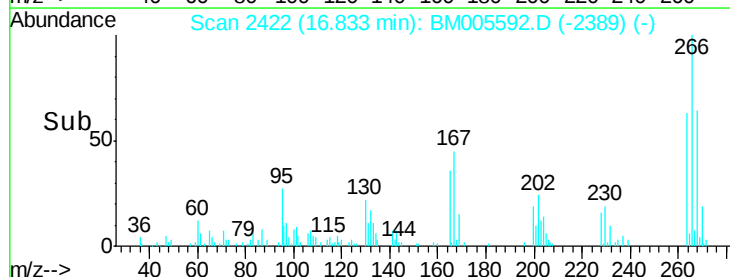
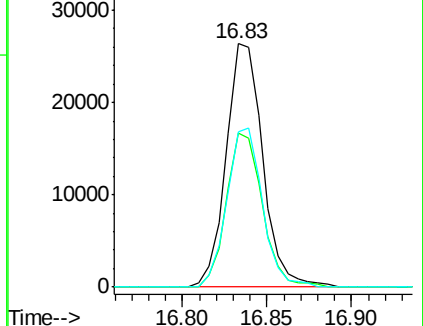
268 63.9 52.8 79.2

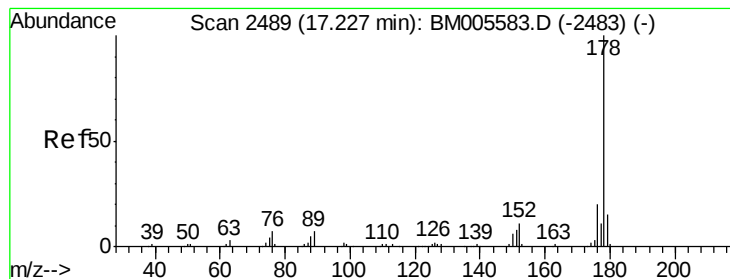


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 10.87 ng/ul

RT: 17.23 min Scan# 2489

Delta R.T. -0.00 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

Instrument :

BNA_M

ClientSampleId :

JHGK4MS

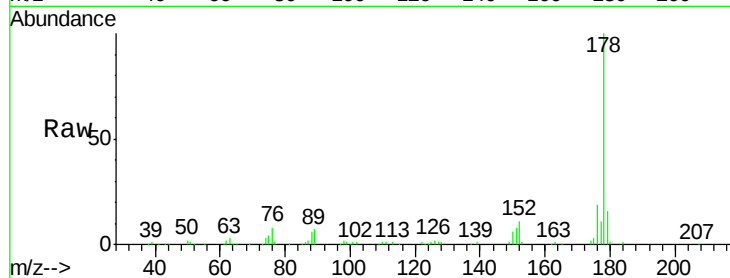
Tgt Ion:178 Resp: 210250

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.2

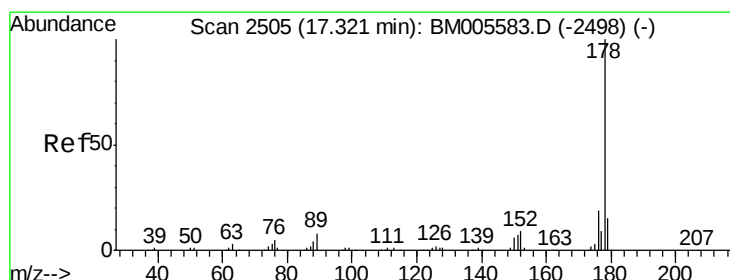
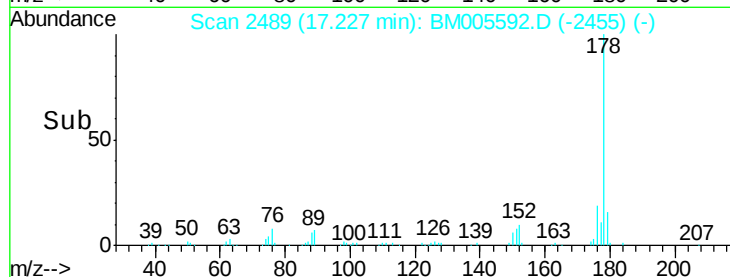
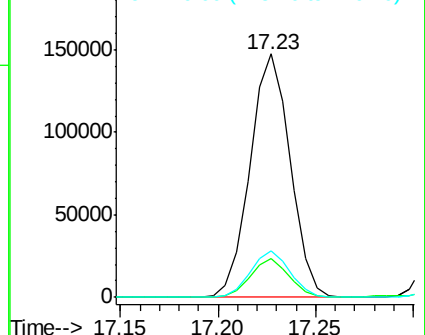
176 18.9 15.8 23.6



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



#71

Anthracene

Concen: 3.14 ng/ul

RT: 17.32 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

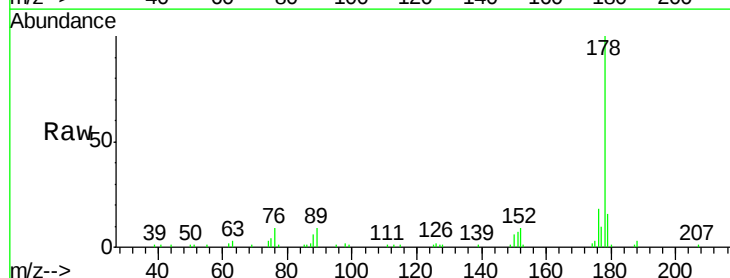
Tgt Ion:178 Resp: 61879

Ion Ratio Lower Upper

178 100

179 15.9 12.6 18.8

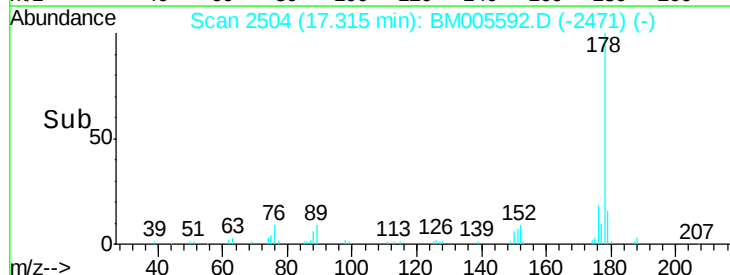
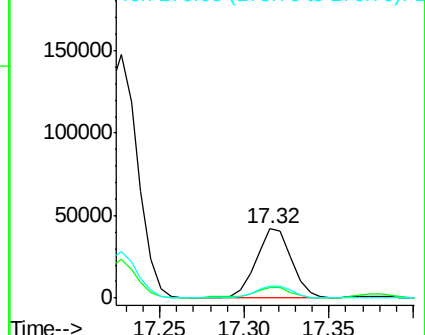
176 18.2 15.0 22.4

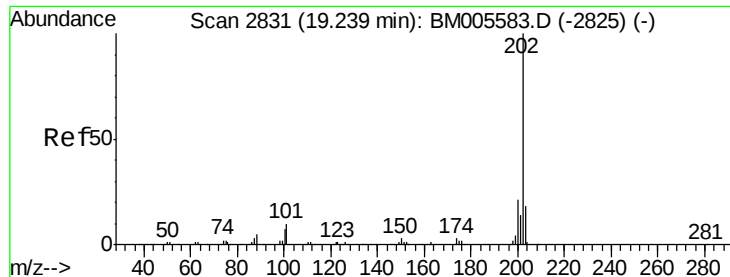


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 20.28 ng/ul

RT: 19.24 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

Instrument :

BNA_M

ClientSampleId :

JHKG4MS

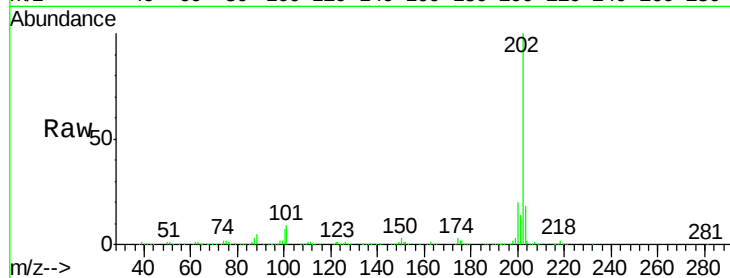
Tgt Ion:202 Resp: 441482

Ion Ratio Lower Upper

202 100

101 9.3 7.9 11.9

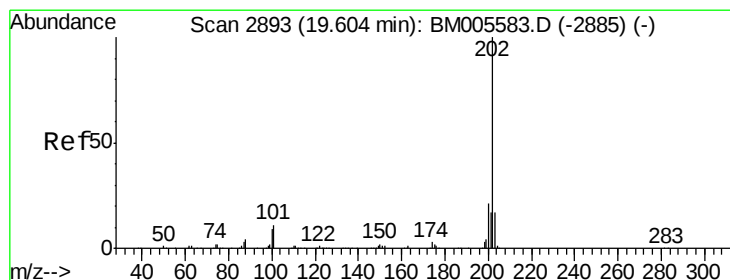
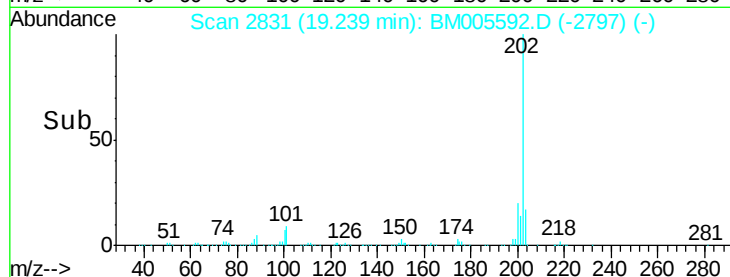
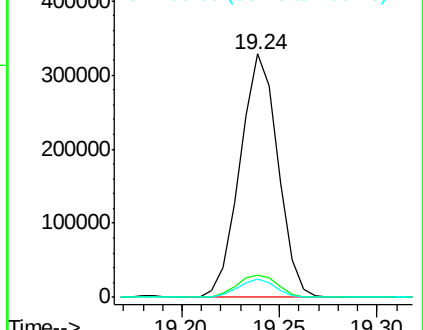
100 7.4 5.6 8.4



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: 34.40 ng/ul

RT: 19.60 min Scan# 2893

Delta R.T. -0.00 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

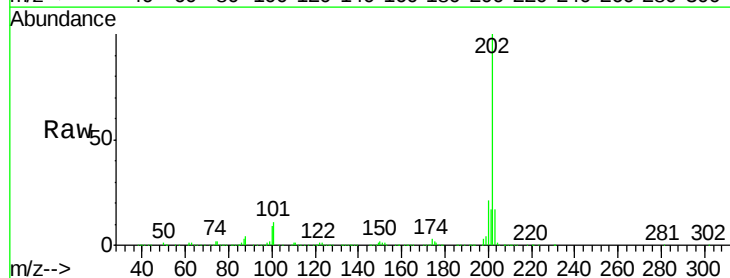
Tgt Ion:202 Resp: 956491

Ion Ratio Lower Upper

202 100

101 10.9 9.6 14.4

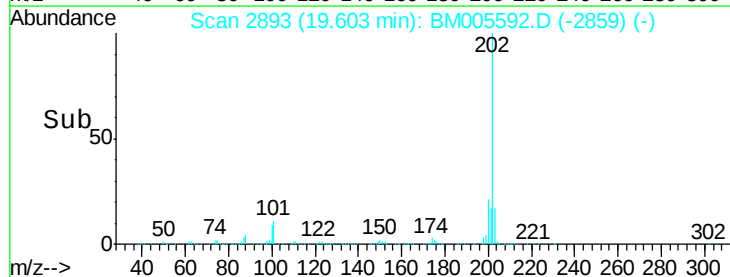
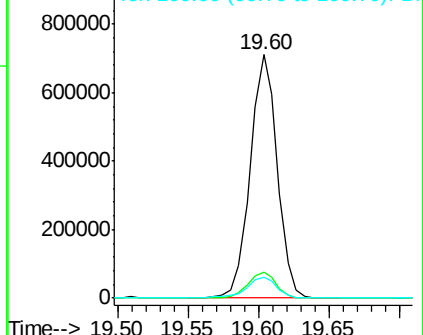
100 8.8 7.8 11.6

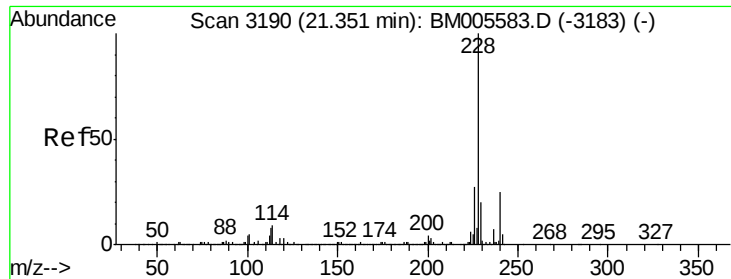


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 6.56 ng/ul

RT: 21.34 min Scan# 3189

Delta R.T. -0.01 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

Instrument :

BNA_M

ClientSampleId :

JHGK4MS

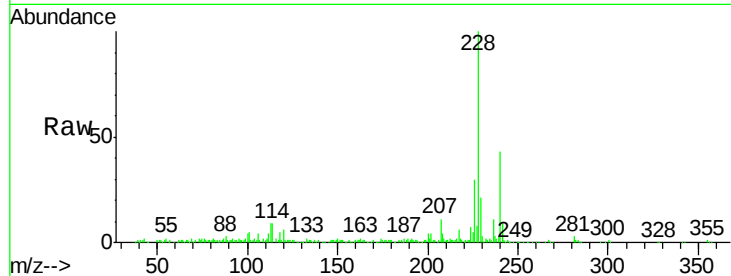
Tgt Ion:228 Resp: 186397

Ion Ratio Lower Upper

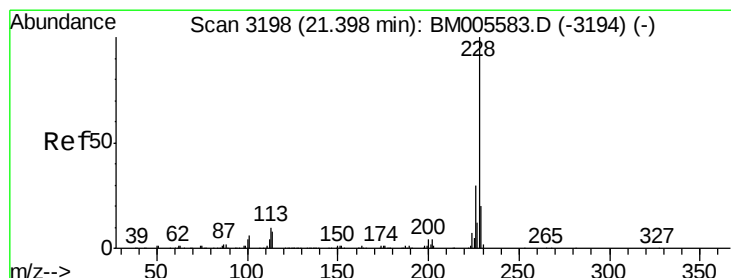
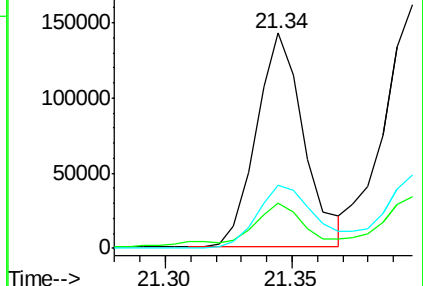
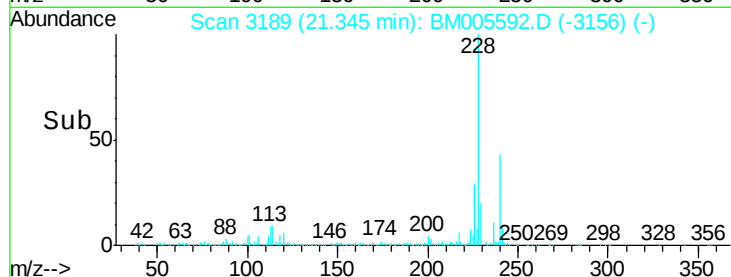
228 100

229 21.2 15.4 23.2

226 29.6 21.0 31.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 8.11 ng/ul

RT: 21.40 min Scan# 3198

Delta R.T. -0.00 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

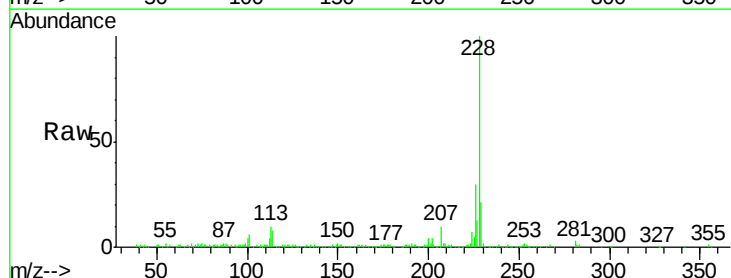
Tgt Ion:228 Resp: 219316

Ion Ratio Lower Upper

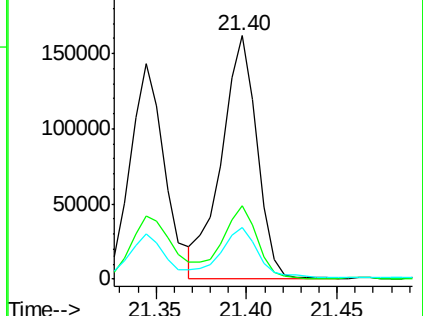
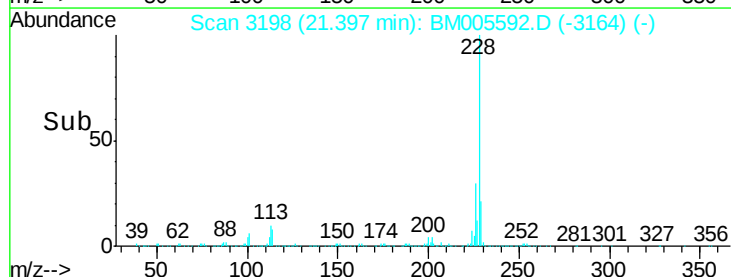
228 100

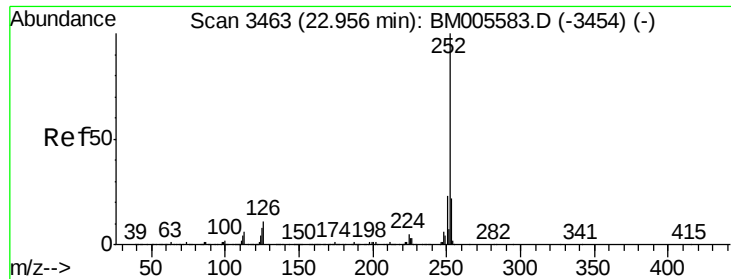
226 30.3 23.7 35.5

229 21.5 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: 6.88 ng/ul

RT: 22.96 min Scan# 3463

Delta R.T. -0.00 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

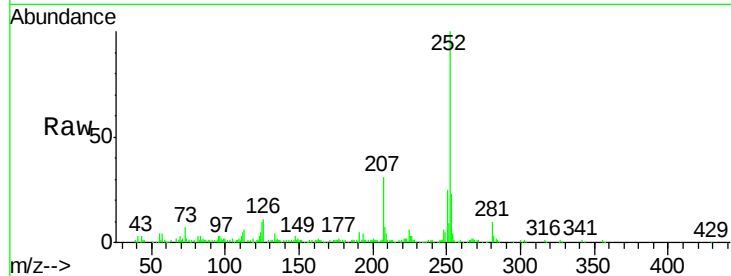
Instrument :

BNA_M

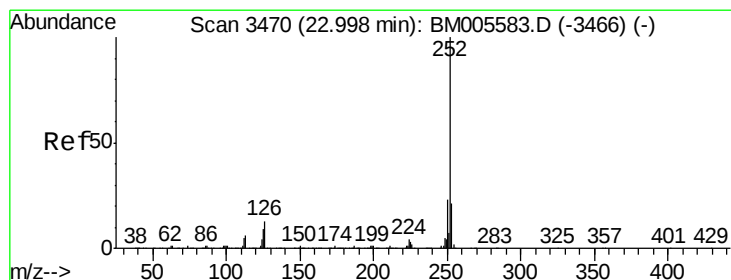
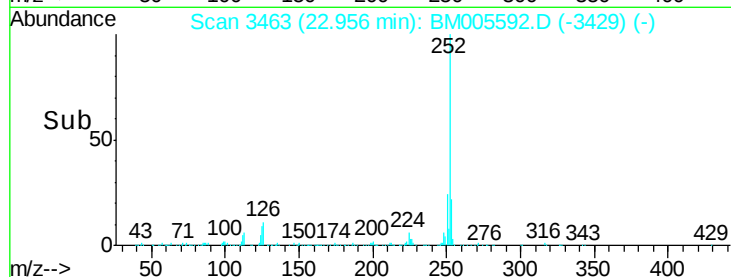
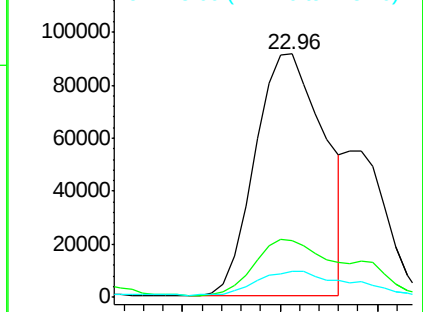
ClientSampleId :

JHKG4MS

Tgt Ion:	252	Resp:	224579
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.3	25.9
125	10.5	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: 7.27 ng/ul

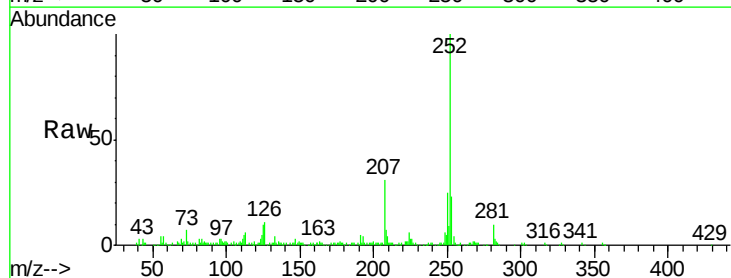
RT: 22.96 min Scan# 3463

Delta R.T. -0.04 min

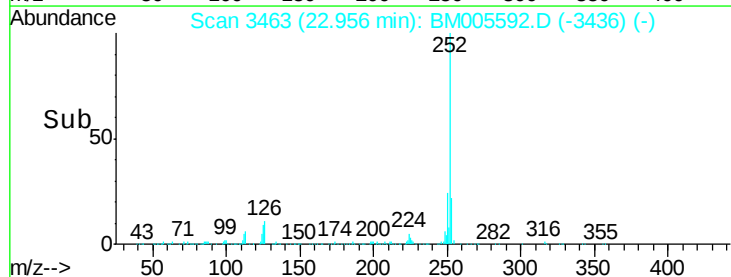
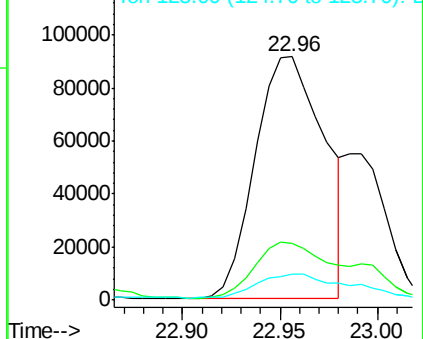
Lab File: BM005592.D

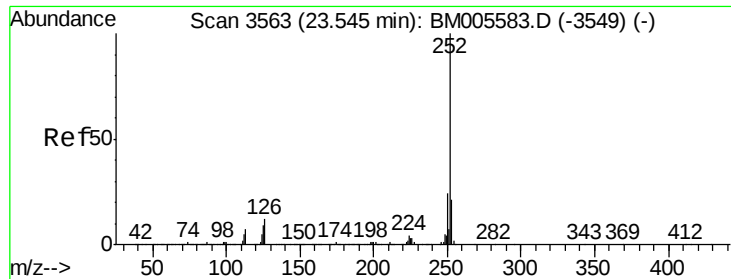
Acq: 22 May 2016 18:25

Tgt Ion:	252	Resp:	224579
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	10.5	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: 5.86 ng/ul

RT: 23.54 min Scan# 3562

Delta R.T. -0.01 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

Instrument :

BNA_M

ClientSampleId :

JHGK4MS

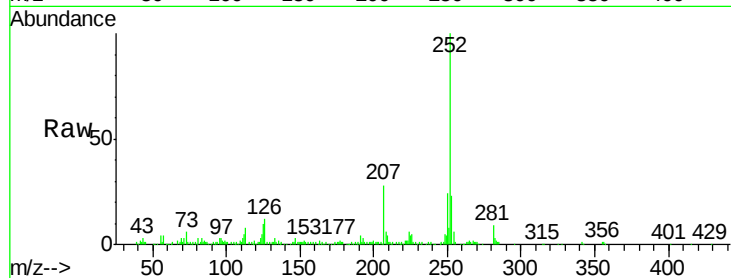
Tgt Ion:252 Resp: 185422

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

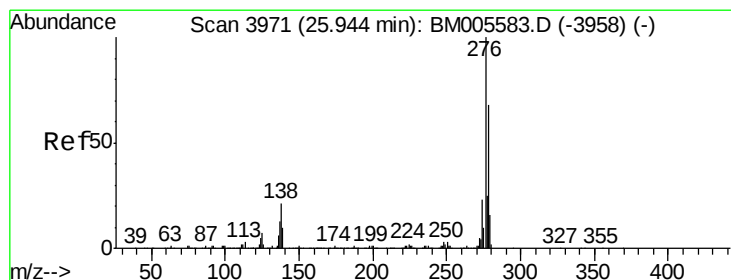
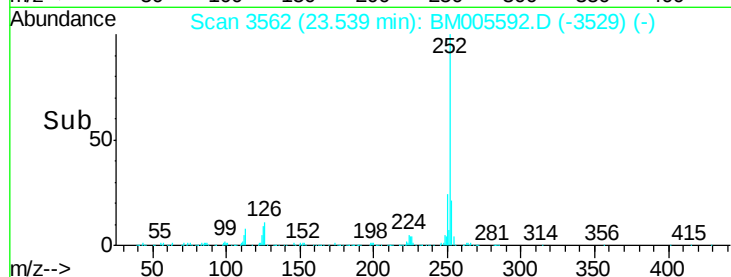
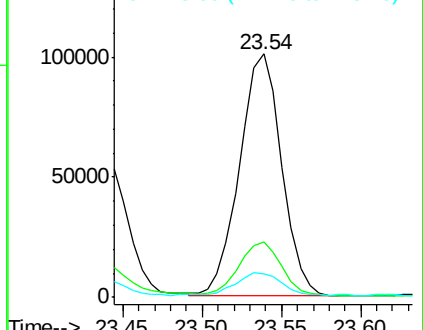
125 9.8 7.6 11.4



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: 2.99 ng/ul

RT: 25.93 min Scan# 3969

Delta R.T. -0.01 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

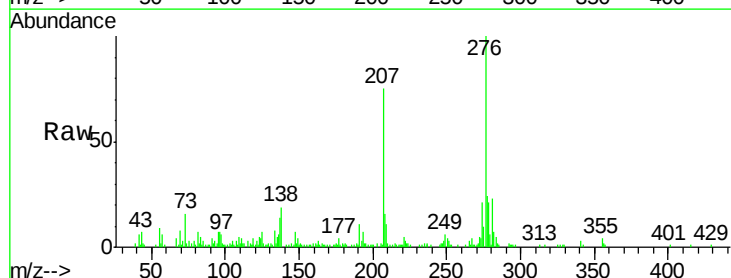
Tgt Ion:276 Resp: 112447

Ion Ratio Lower Upper

276 100

138 18.6 16.9 25.3

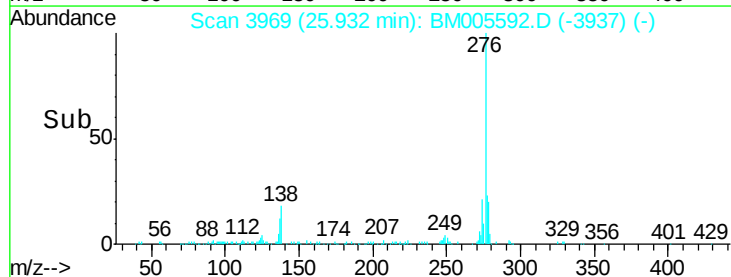
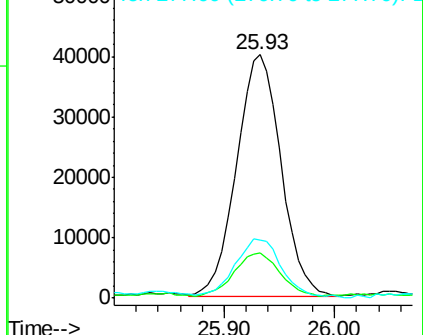
277 24.0 20.2 30.4

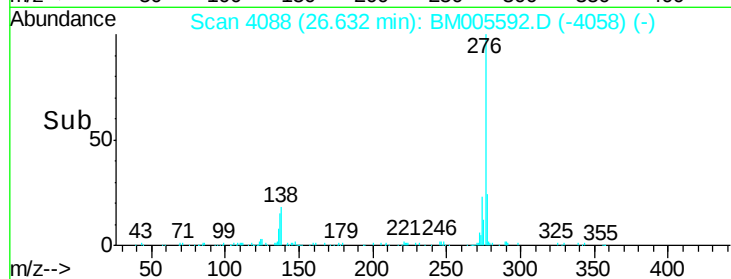
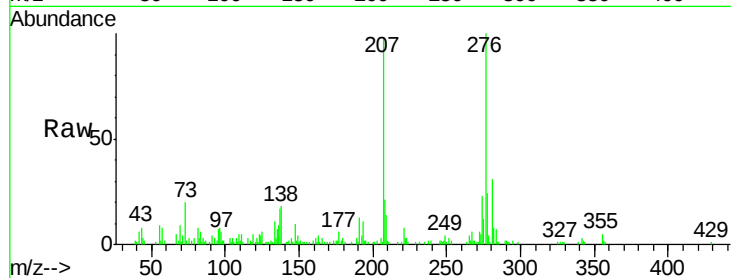
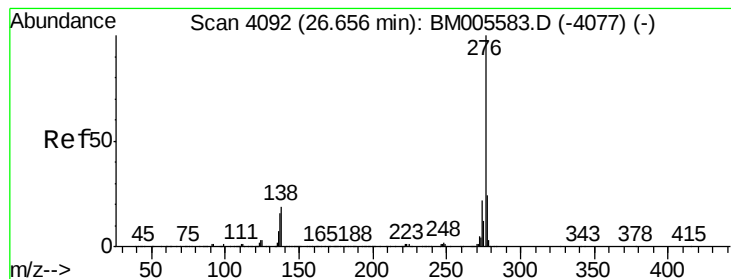


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.10 ng/ul

RT: 26.63 min Scan# 4088

Delta R.T. -0.02 min

Lab File: BM005592.D

Acq: 22 May 2016 18:25

Instrument :

BNA_M

ClientSampleId :

JHGK4MS

Tgt Ion:276 Resp: 98004

Ion Ratio Lower Upper

276 100

138 18.3 15.0 22.6

277 24.5 18.6 28.0

