

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM100115\
 Data File : BM002827.D
 Acq On : 02 Oct 2015 05:16
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Manual Integrations
 APPROVED

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 10/2/2015 6:08:16 PM

Quant Time: Oct 02 08:56:20 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 05:57:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.69	152	72477	20.00	ng/ul	0.00
18) Naphthalene-d8	11.55	136	300239	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.28	164	150196	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.00	188	304962	20.00	ng/ul	0.00
78) Chrysene-d12	22.09	240	306458	20.00	ng/ul	0.00
86) Perylene-d12	24.67	264	322513	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.76	96	4274	2.74	ng/uL	0.00
5) Phenol-d5	7.81	99	90369	16.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.98	67	49727	16.10	ng/ul	0.00
9) 2-Chlorophenol-d4	8.20	132	82786	16.20	ng/ul	0.00
13) 4-Methylphenol-d8	9.39	113	73566	16.25	ng/ul	0.00
19) Nitrobenzene-d5	9.88	128	37795	16.51	ng/ul	0.00
22) 2-Nitrophenol-d4	10.61	143	38754	16.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.16	165	67231	15.92	ng/ul	0.00
29) 4-Chloroaniline-d4	11.67	131	72634	14.29	ng/ul	0.00
44) Dimethylphthalate-d6	14.66	166	191790	16.97	ng/ul	0.00
47) Acenaphthylene-d8	14.99	160	244726	16.23	ng/ul	0.00
52) 4-Nitrophenol-d4	15.46	143	27332	13.62	ng/ul	0.00
58) Fluorene-d10	16.26	176	162881	16.00	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.38	200	7767	5.22	ng/ul	0.00
71) Anthracene-d10	18.09	188	240212	16.50	ng/ul	0.00
79) Pyrene-d10	20.33	212	240009	16.78	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.50	264	268367	16.27	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.83	94	92511	16.30 ng/ul	100
10) 2-Chlorophenol	8.24	128	83387	16.08 ng/ul	98
15) N-Nitroso-di-n-propylamine	9.49	70	48924	15.27 ng/ul	99
28) Naphthalene	11.60	128	44218	2.88 ng/ul	99
33) 4-Chloro-3-methylphenol	12.77	107	69026	16.21 ng/ul	99
34) 2-Methylnaphthalene	13.15	142	12626	1.18 ng/ul	92
45) Dimethylphthalate	14.71	163	126322	11.00 ng/ul	99
48) Acenaphthylene	15.02	152	19655	1.24 ng/ul	98
50) Acenaphthene	15.34	153	221729	21.11 ng/ul	97
53) 4-Nitrophenol	15.47	109	16011	14.09 ng/ul	98
54) Dibenzofuran	15.67	168	56021	3.94 ng/ul	97
55) 2,4-Dinitrotoluene	15.63	165	52637	15.86 ng/ul	97
59) Fluorene	16.31	166	79121	6.77 ng/ul	97
69) Pentachlorophenol	17.64	266	13611m	9.87 ng/ul	
70) Phenanthrene	18.04	178	1591049	90.19 ng/ul	99
72) Anthracene	18.13	178	252954	14.09 ng/ul	99
75) Carbazole	18.39	167	167206	10.66 ng/ul	100
77) Fluoranthene	20.00	202	2757846	151.41 ng/ul	99
80) Pyrene	20.36	202	2466260	126.69 ng/ul	99
83) Benzo(a)anthracene	22.07	228	1067726	58.61 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.90	149	33470	2.54 ng/ul	99
85) Chrysene	22.13	228	1111563	64.68 ng/ul	96
88) Benzo(b)fluoranthene	23.88	252	1456575	75.18 ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 02 05:57:21 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	23.92	252	563752m	30.74	ng/ul	
91) Benzo(a)pyrene	24.56	252	974954	52.39	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	27.40	276	739835	34.08	ng/ul#	93
93) Dibenzo(a,h)anthracene	27.39	278	183887m	10.03	ng/ul	
94) Benzo(g,h,i)perylene	28.25	276	652917	35.72	ng/ul	97

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

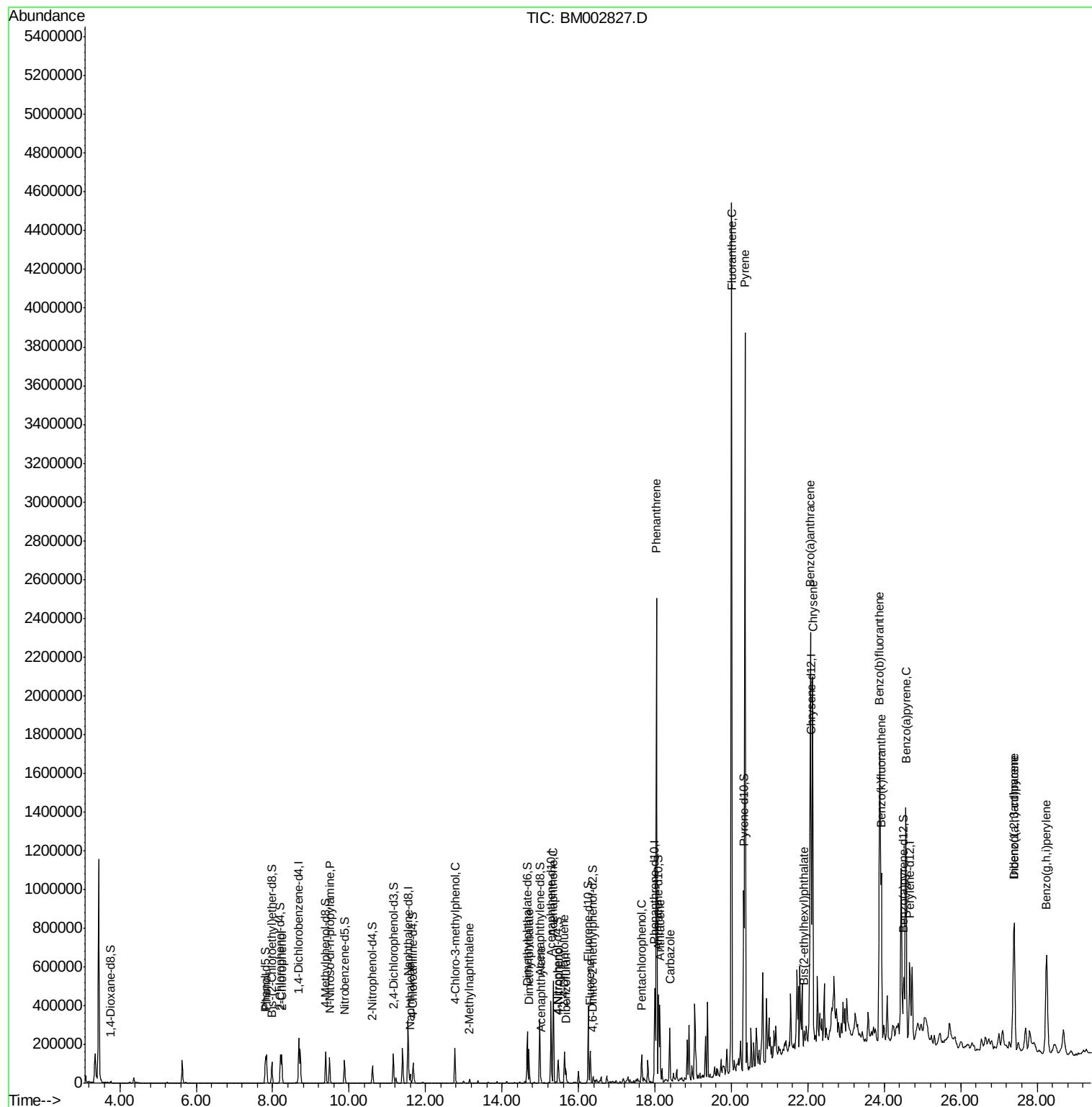
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM100115\
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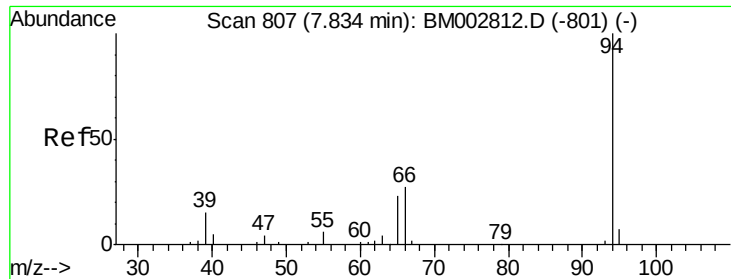
Instrument :
BNA_M
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D9G67MSD

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#6

Phenol

Concen: 16.30 ng/ul

RT: 7.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BM002827.D

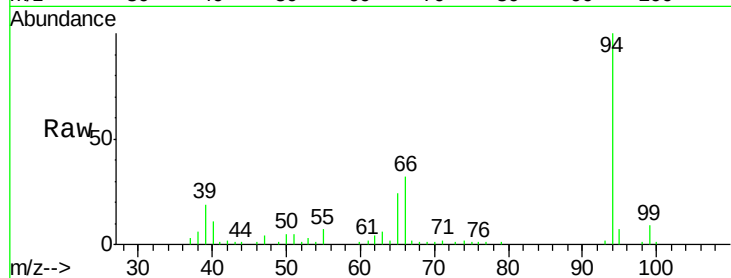
Acq: 02 Oct 2015 05:16

Instrument :

BNA_M

ClientSampleId :

D9G67MSD



Tgt Ion: 94 Resp: 92511

Ion Ratio Lower Upper

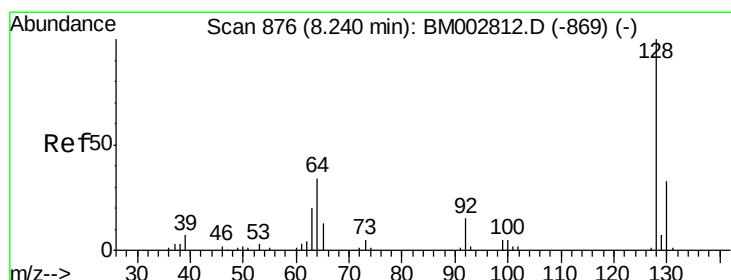
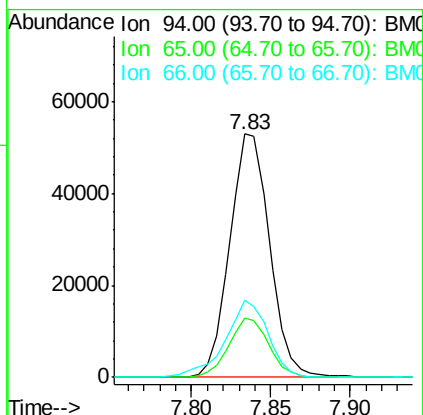
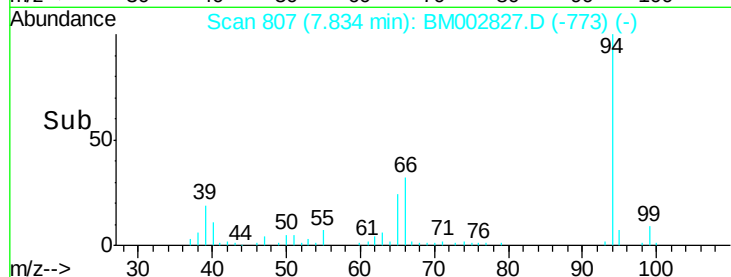
94 100

65 24.5 19.4 29.2

66 31.6 25.2 37.8

Manual Integrations
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#10

2-Chlorophenol

Concen: 16.08 ng/ul

RT: 8.24 min Scan# 876

Delta R.T. -0.00 min

Lab File: BM002827.D

Acq: 02 Oct 2015 05:16

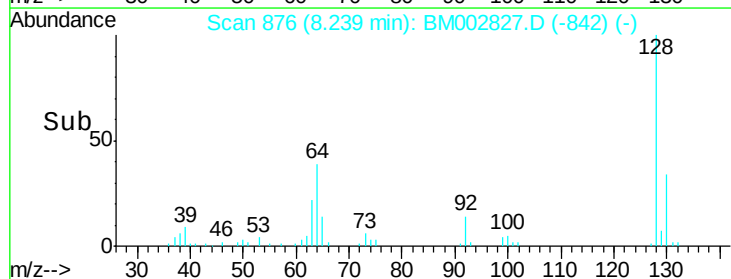
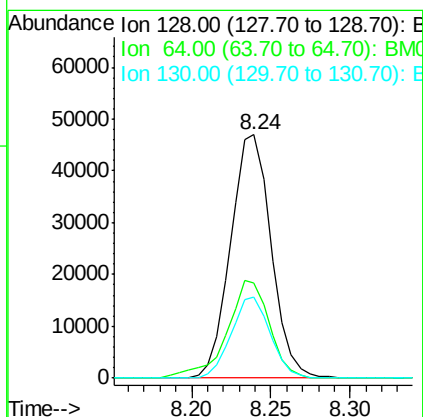
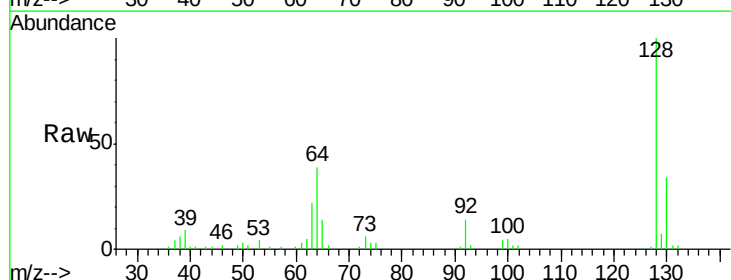
Tgt Ion: 128 Resp: 83387

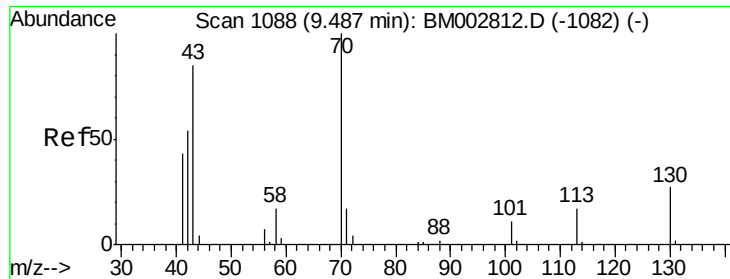
Ion Ratio Lower Upper

128 100

64 39.0 32.1 48.1

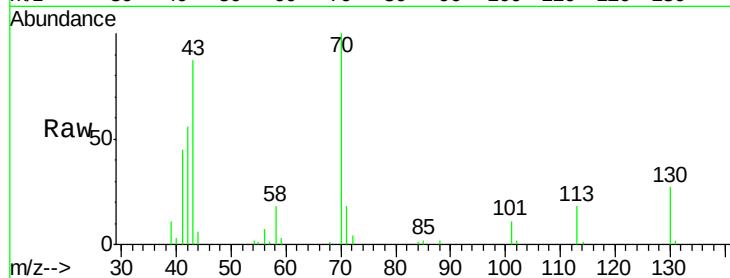
130 33.5 25.8 38.6





#15
N-Nitroso-di-n-propylamine
Concen: 15.27 ng/ul
RT: 9.49 min Scan# 1088
Delta R.T. -0.00 min
Lab File: BM002827.D
Acq: 02 Oct 2015 05:16

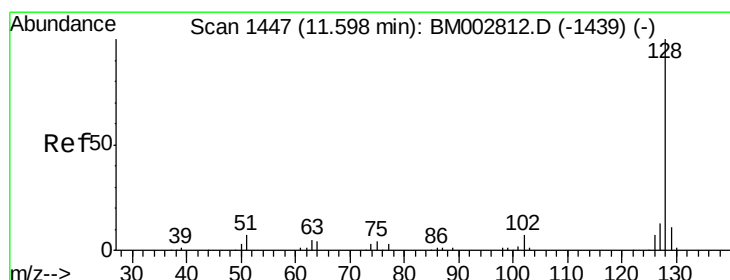
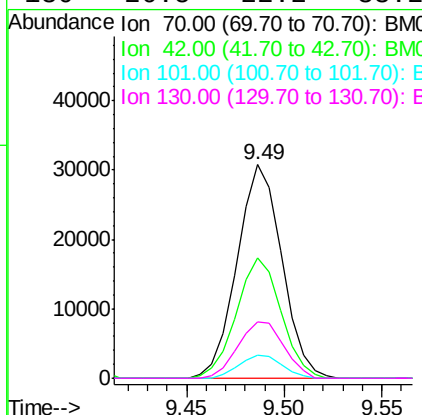
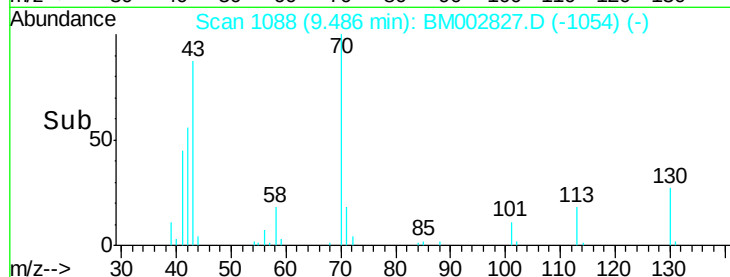
Instrument :
BNA_M
ClientSampleId :
D9G67MSD



Tgt Ion	Ion	Ratio	Lower	Upper
70	100			
42	56.4	45.2	67.8	
101	10.8	9.1	13.7	
130	26.5	22.2	33.2	

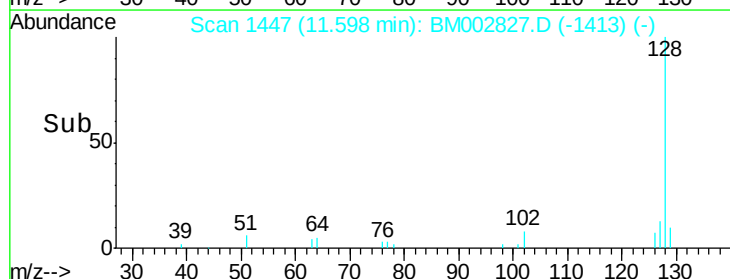
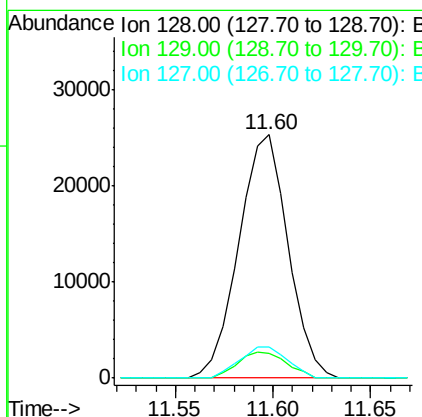
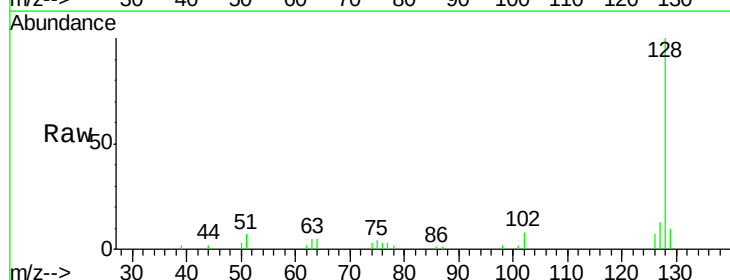
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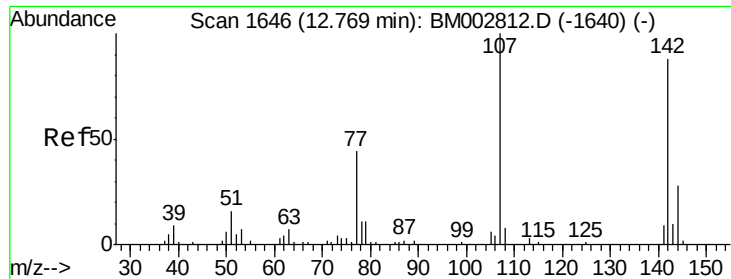
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#28
Naphthalene
Concen: 2.88 ng/ul
RT: 11.60 min Scan# 1447
Delta R.T. -0.00 min
Lab File: BM002827.D
Acq: 02 Oct 2015 05:16

Tgt Ion	Ion	Ratio	Lower	Upper
128	100			
129	10.4	8.7	13.1	
127	12.9	9.9	14.9	





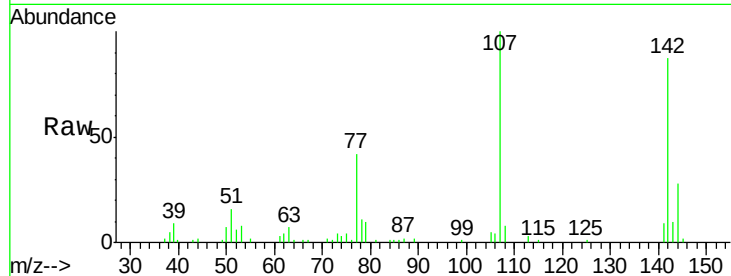
#33
4-Chloro-3-methylphenol
Concen: 16.21 ng/ul
RT: 12.77 min Scan# 1646
Delta R.T. -0.00 min
Lab File: BM002827.D
Acq: 02 Oct 2015 05:16

Instrument :
BNA_M
ClientSampleId :
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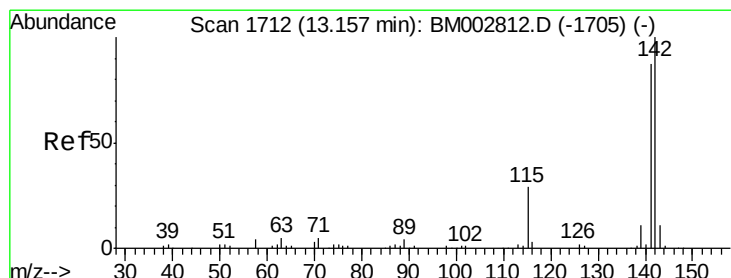
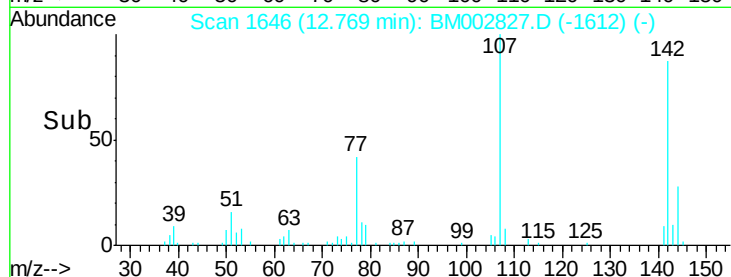
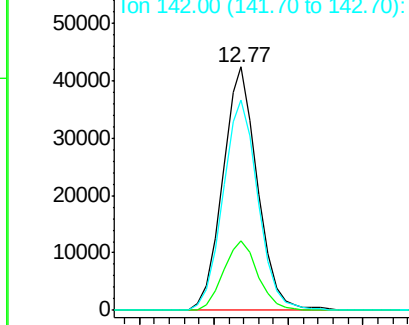
Tgt Ion	Ratio	Lower	Upper
107	100		
144	28.4	21.9	32.9
142	86.6	69.8	104.8

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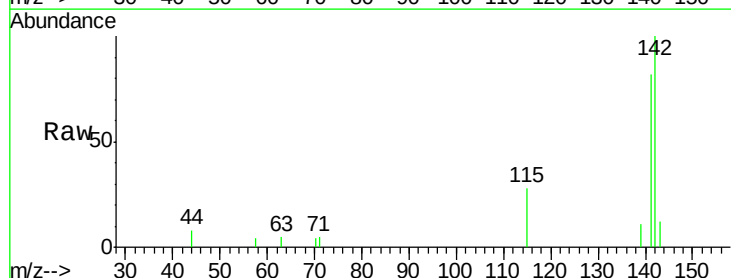


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

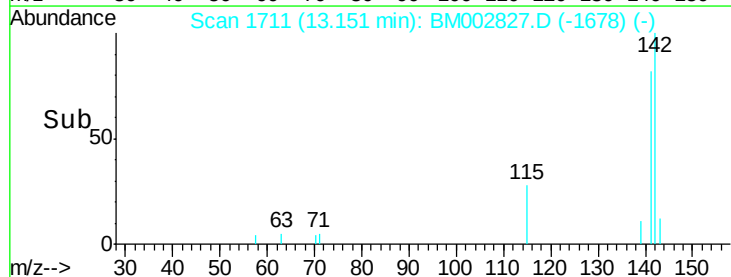
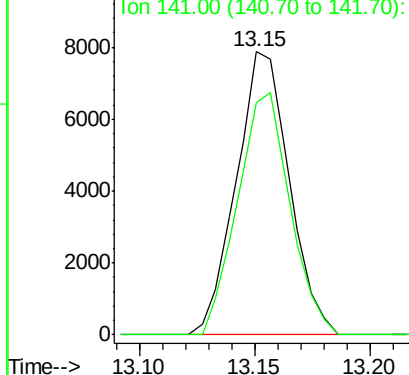


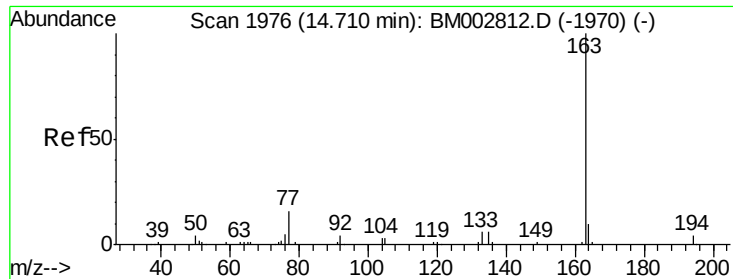
#34
2-Methylnaphthalene
Concen: 1.18 ng/ul
RT: 13.15 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BM002827.D
Acq: 02 Oct 2015 05:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.0	71.2	106.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#45

Dimethylphthalate

Concen: 11.00 ng/ul

RT: 14.71 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BM002827.D

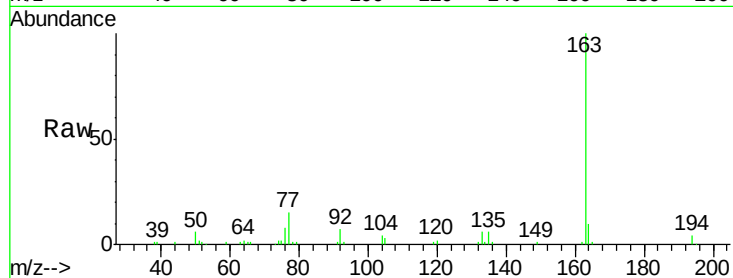
Acq: 02 Oct 2015 05:16

Instrument :

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ClientSampleId :

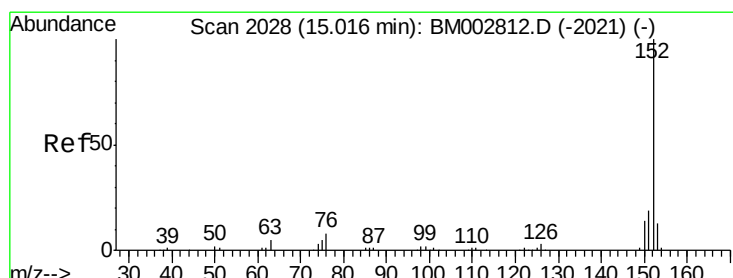
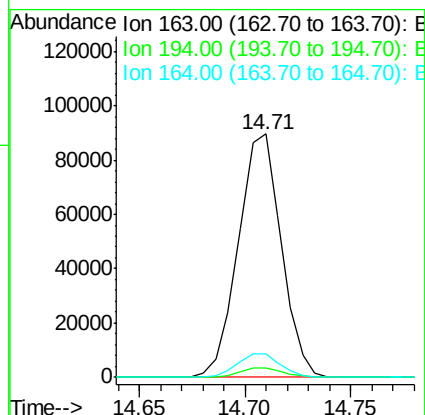
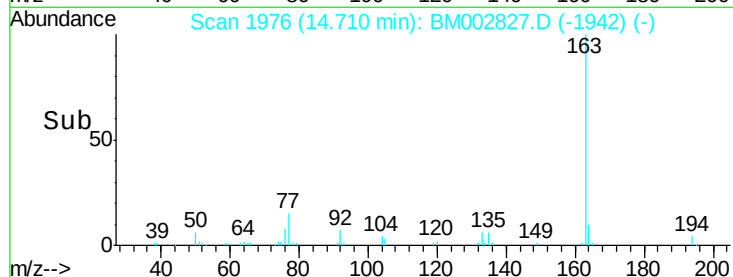
D9G67MSD



Tgt Ion:	163	Resp:	126322
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.2	4.8
164	9.6	8.1	12.1

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#48

Acenaphthylene

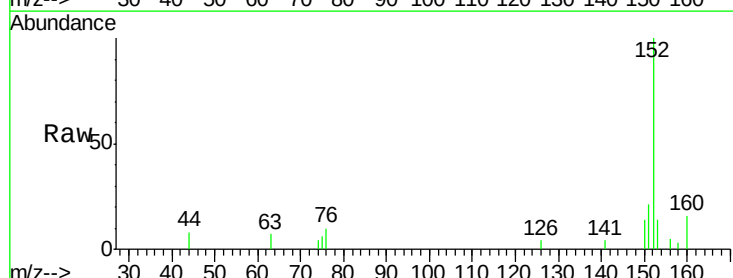
Concen: 1.24 ng/ul

RT: 15.02 min Scan# 2028

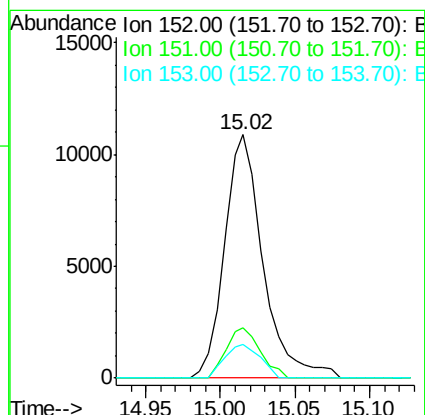
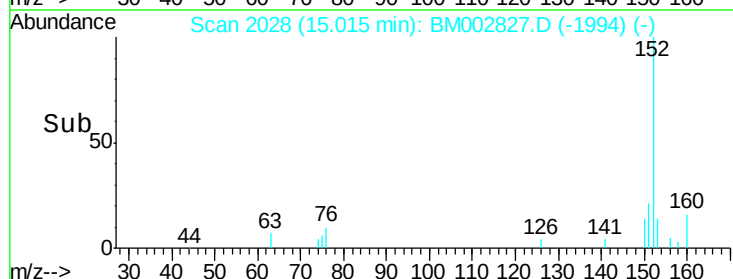
Delta R.T. -0.00 min

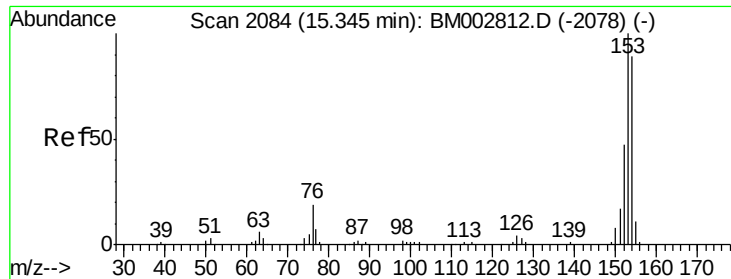
Lab File: BM002827.D

Acq: 02 Oct 2015 05:16



Tgt Ion:	152	Resp:	19655
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.6	23.4
153	13.8	10.4	15.6





#50

Acenaphthene

Concen: 21.11 ng/ul

RT: 15.34 min Scan# 2084

Delta R.T. -0.00 min

Lab File: BM002827.D

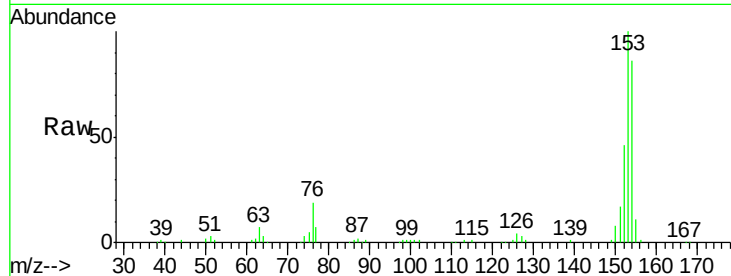
Acq: 02 Oct 2015 05:16

Instrument :

BNA_M

ClientSampleId :

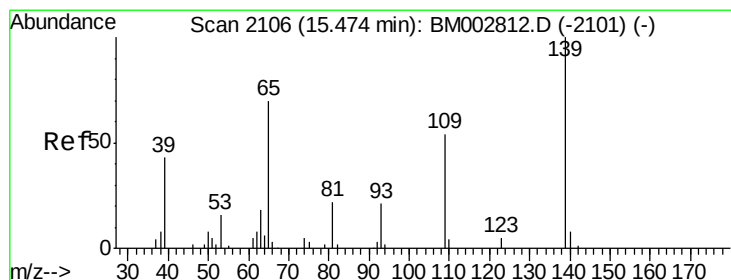
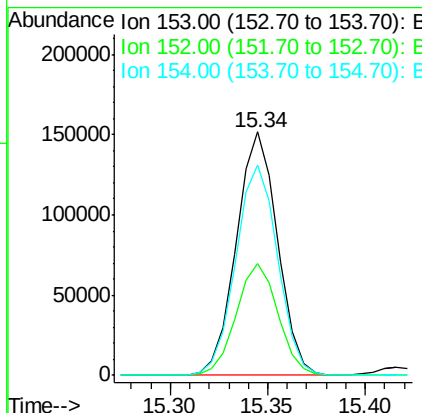
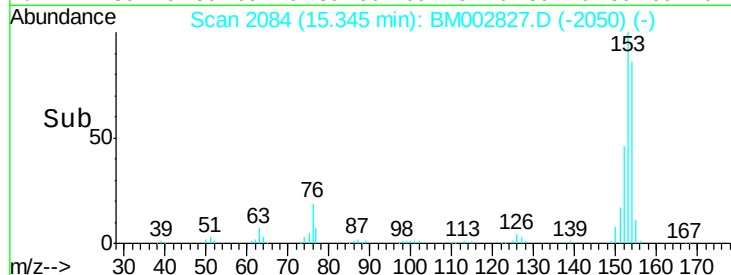
D9G67MSD



Tgt Ion:	153	Resp:	221729
Ion Ratio	Lower	Upper	
153	100		
152	45.8	37.2	55.8
154	86.5	71.9	107.9

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#53

4-Nitrophenol

Concen: 14.09 ng/ul

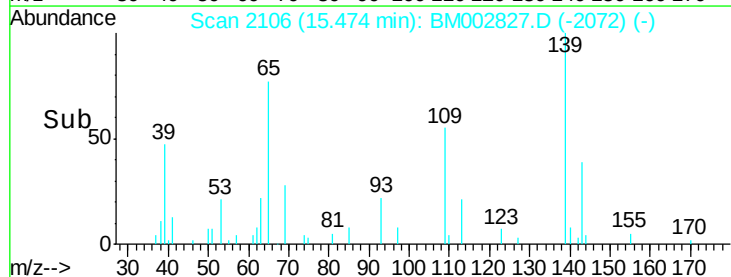
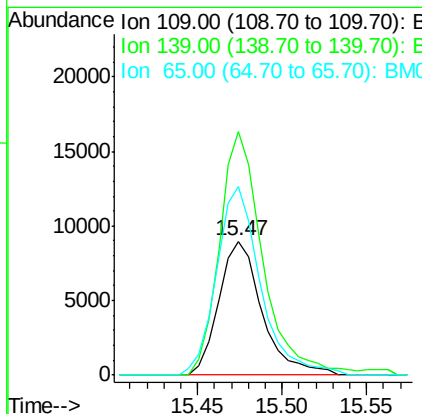
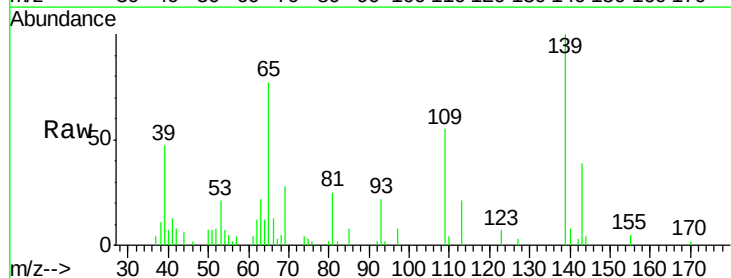
RT: 15.47 min Scan# 2106

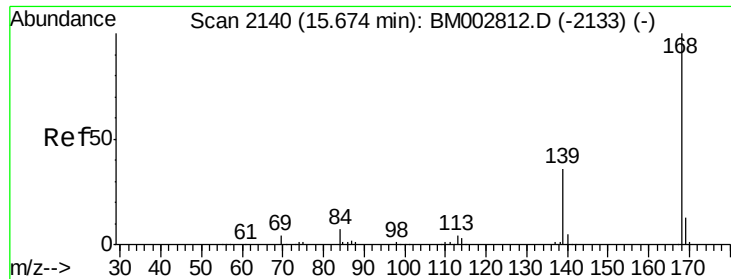
Delta R.T. -0.00 min

Lab File: BM002827.D

Acq: 02 Oct 2015 05:16

Tgt Ion:	109	Resp:	16011
Ion Ratio	Lower	Upper	
109	100		
139	181.7	143.4	215.2
65	140.7	110.3	165.5





#54

Dibenzenofuran

Concen: 3.94 ng/ul

RT: 15.67 min Scan# 2139

Delta R.T. -0.01 min

Lab File: BM002827.D

Acq: 02 Oct 2015 05:16

Instrument :

BNA_M

ClientSampleId :

D9G67MSD

Tgt Ion:168 Resp: 56021

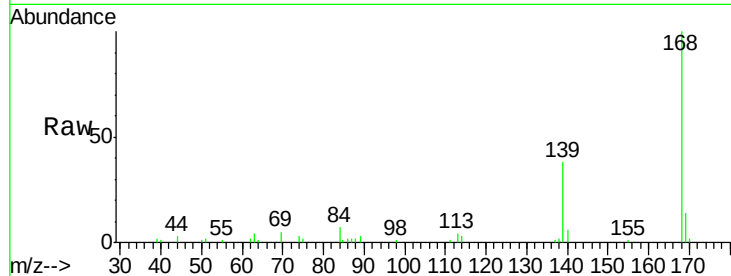
Ion Ratio Lower Upper

168 100

139 37.6 28.7 43.1

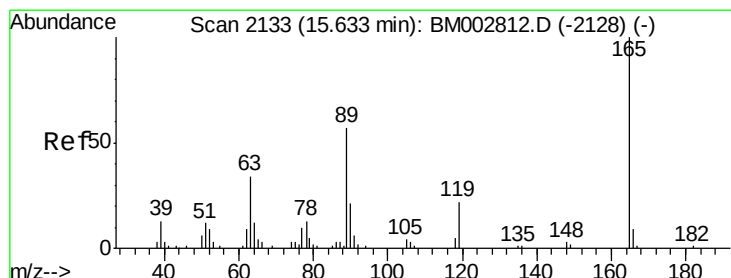
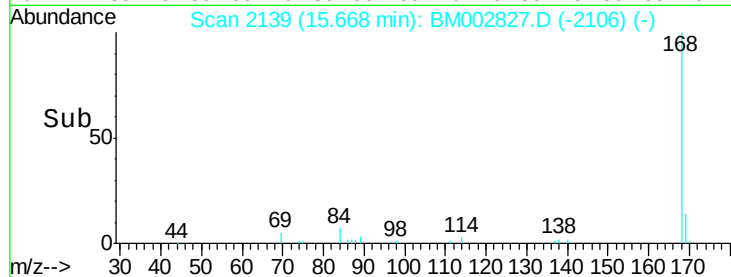
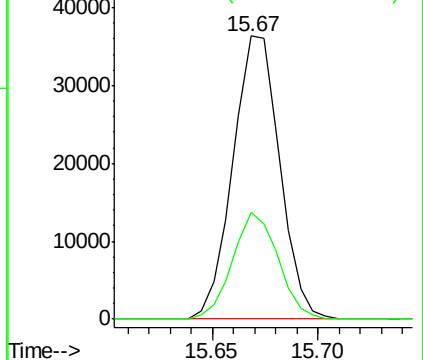
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,4-Dinitrotoluene

Concen: 15.86 ng/ul

RT: 15.63 min Scan# 2133

Delta R.T. -0.00 min

Lab File: BM002827.D

Acq: 02 Oct 2015 05:16

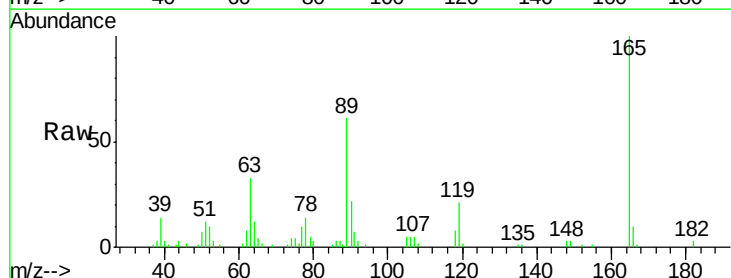
Tgt Ion:165 Resp: 52637

Ion Ratio Lower Upper

165 100

63 33.3 25.4 38.2

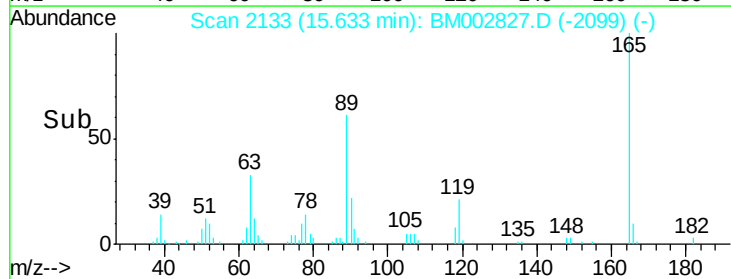
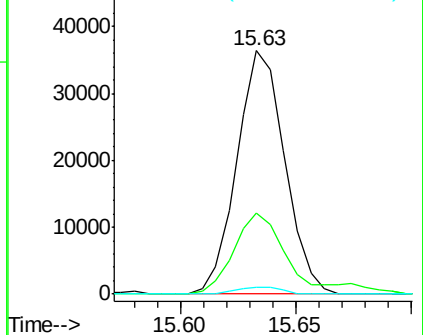
182 2.8 2.6 3.8

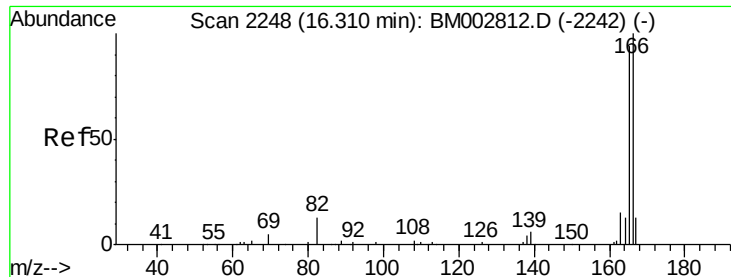


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E





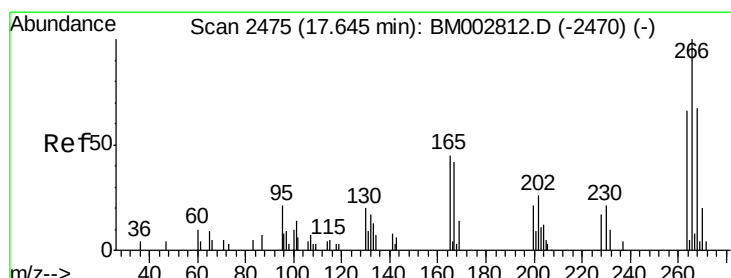
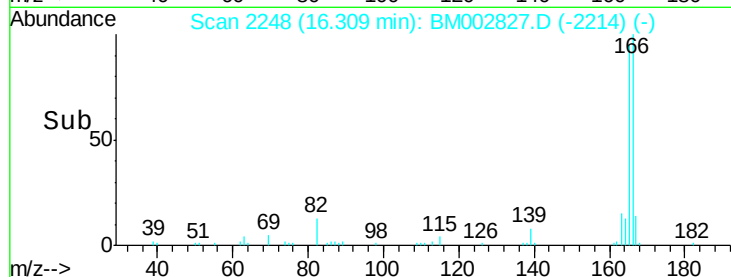
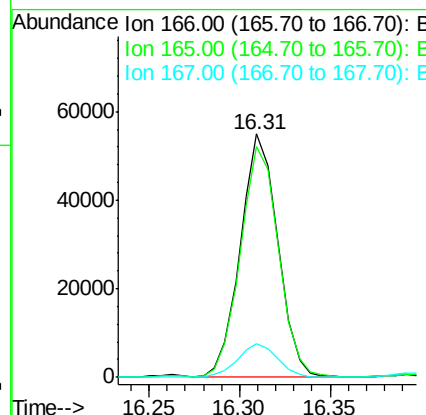
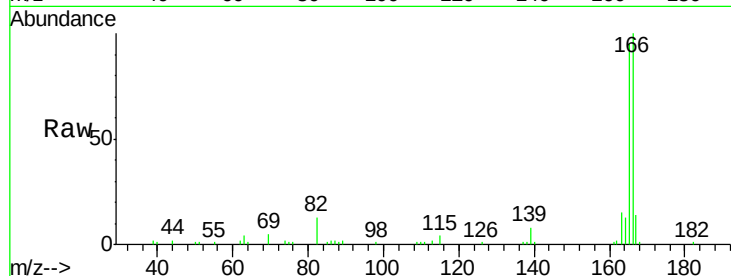
#59
Fluorene
 Concen: 6.77 ng/ul
 RT: 16.31 min Scan# 2248
 Delta R.T. -0.00 min
 Lab File: BM002827.D
 Acq: 02 Oct 2015 05:16

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.6	78.0	117.0
167	13.9	10.6	16.0

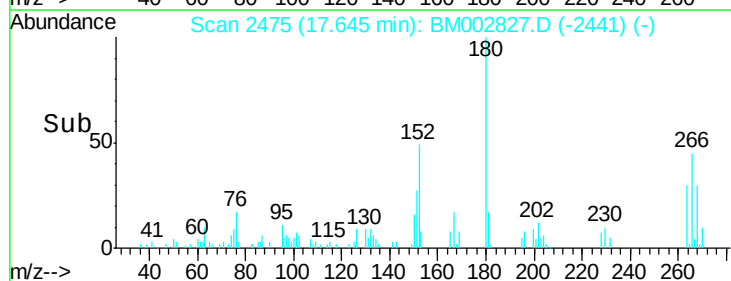
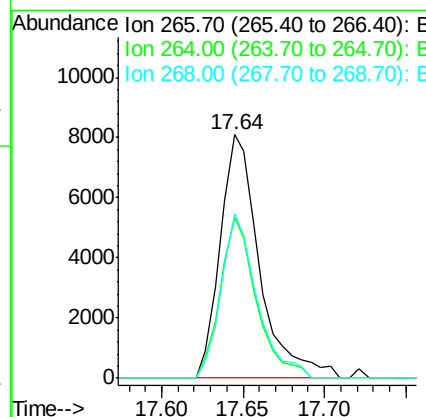
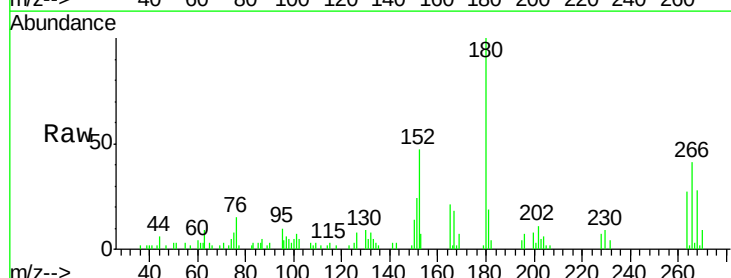
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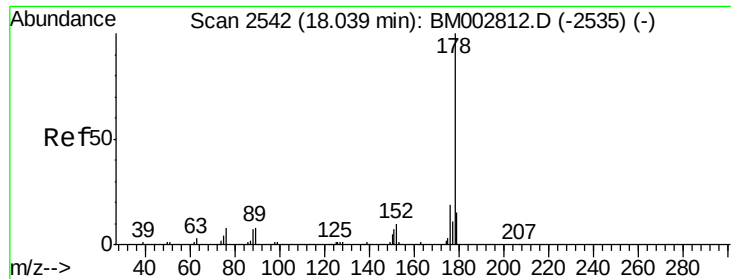
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#69
Pentachlorophenol
 Concen: 9.87 ng/ul m
 RT: 17.64 min Scan# 2475
 Delta R.T. -0.00 min
 Lab File: BM002827.D
 Acq: 02 Oct 2015 05:16

Tgt Ion	Ratio	Lower	Upper
266	100		
264	66.0	49.4	74.2
268	67.7	49.1	73.7





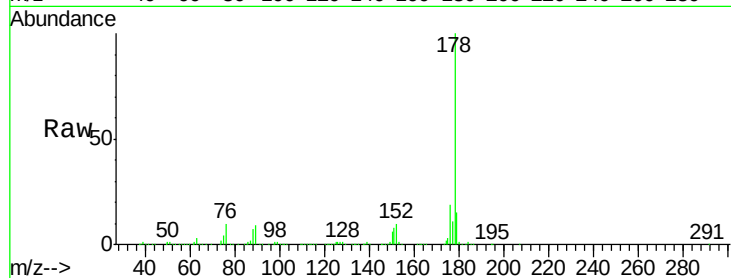
#70
Phenanthrene
Concen: 90.19 ng/ul
RT: 18.04 min Scan# 2542
Delta R.T. -0.00 min
Lab File: BM002827.D
Acq: 02 Oct 2015 05:16

Instrument :
BNA_M
ClientSampleId :
D9G67MSD

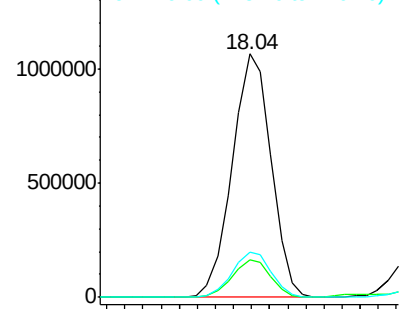
Tgt Ion:178 Resp: 1591049
Ion Ratio Lower Upper
178 100
179 15.4 12.0 18.0
176 18.8 14.6 22.0

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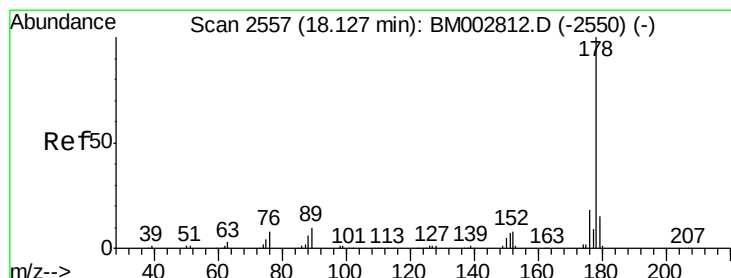
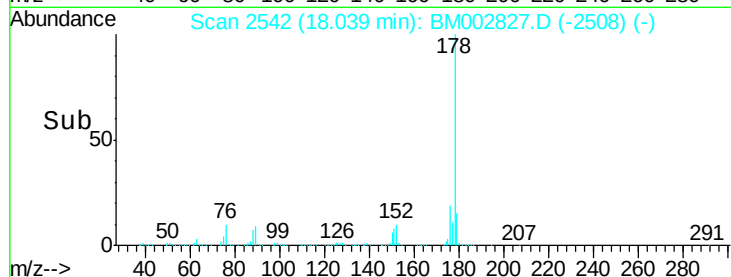
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

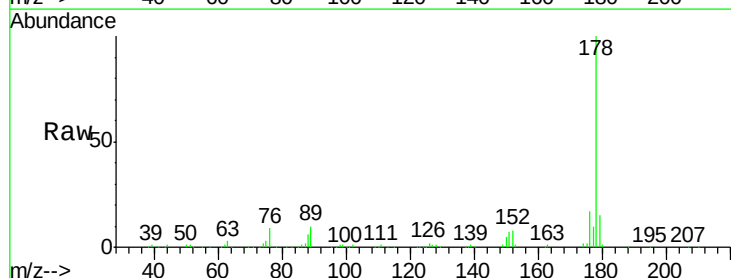


Time-->

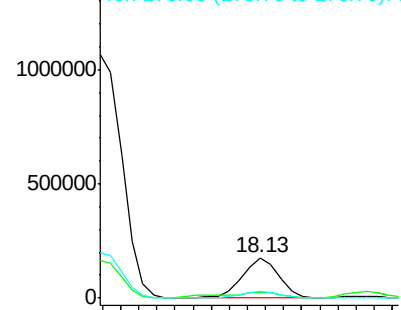


#72
Anthracene
Concen: 14.09 ng/ul
RT: 18.13 min Scan# 2557
Delta R.T. -0.00 min
Lab File: BM002827.D
Acq: 02 Oct 2015 05:16

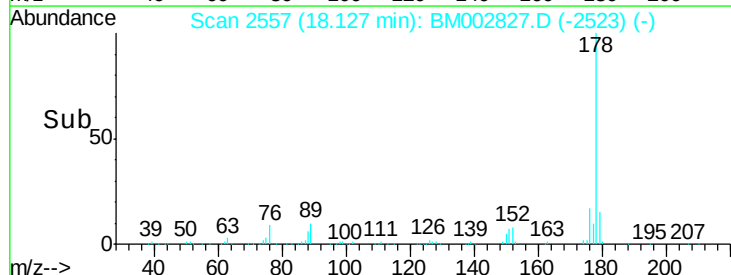
Tgt Ion:178 Resp: 252954
Ion Ratio Lower Upper
178 100
179 15.1 11.9 17.9
176 17.4 14.4 21.6

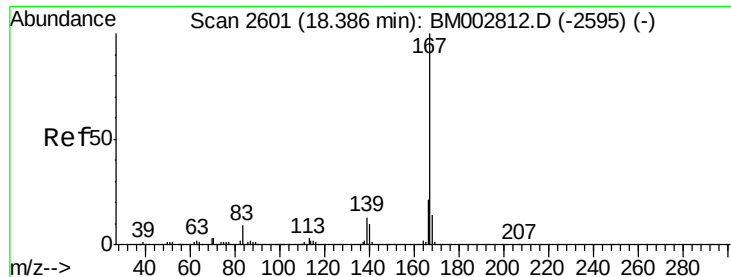


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->





#75

Carbazole

Concen: 10.66 ng/ul

RT: 18.39 min Scan# 2601

Delta R.T. -0.00 min

Lab File: BM002827.D

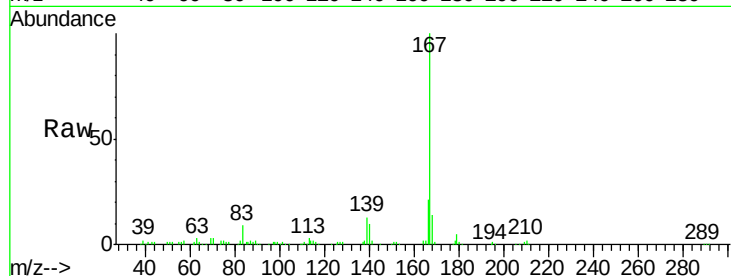
Acq: 02 Oct 2015 05:16

Instrument :

BNA_M

ClientSampleId :

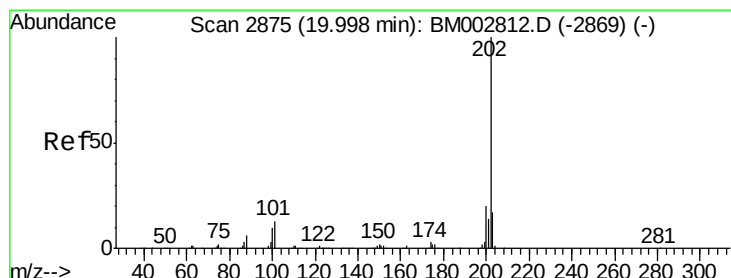
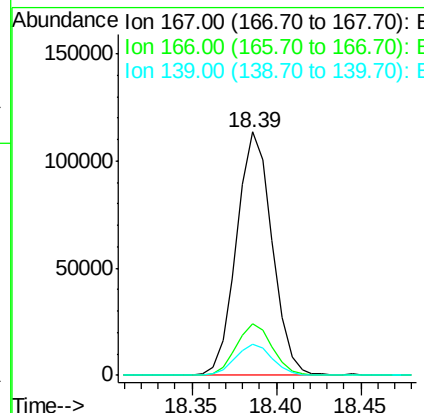
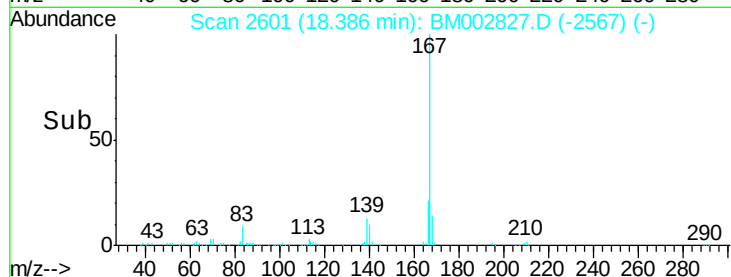
D9G67MSD



Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.8	25.2
139	12.6	10.1	15.1

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#77

Fluoranthene

Concen: 151.41 ng/ul

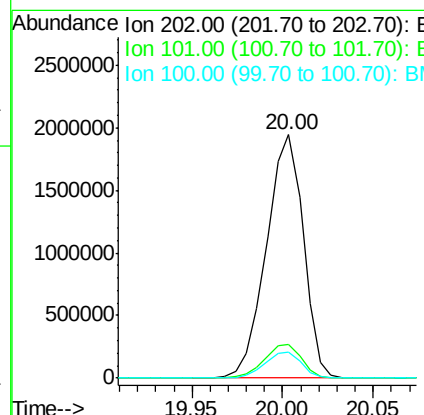
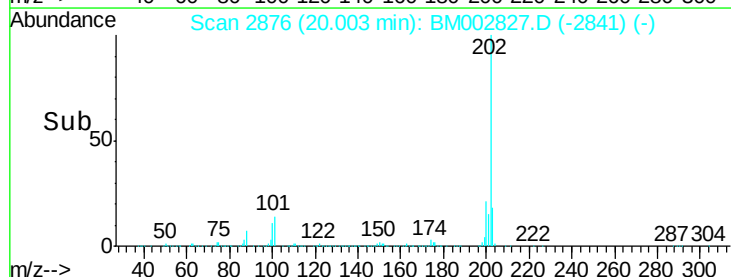
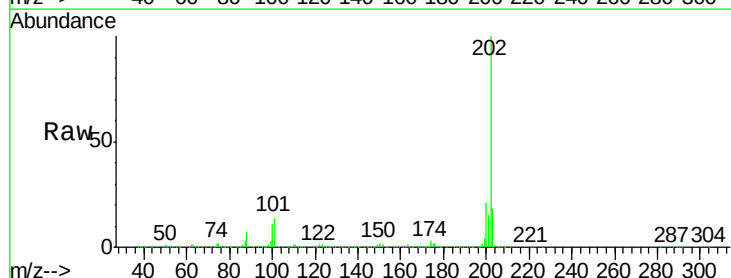
RT: 20.00 min Scan# 2876

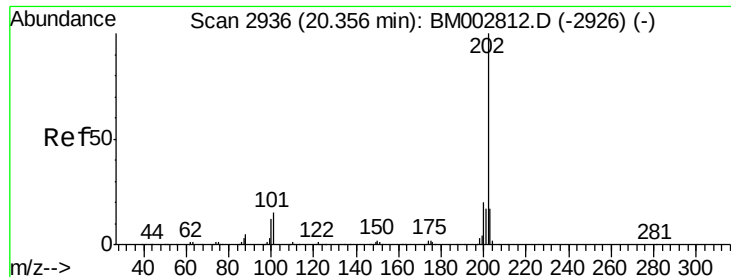
Delta R.T. 0.01 min

Lab File: BM002827.D

Acq: 02 Oct 2015 05:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	11.0	16.4
100	10.7	8.3	12.5





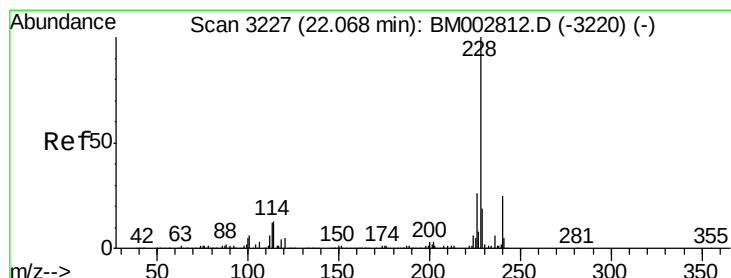
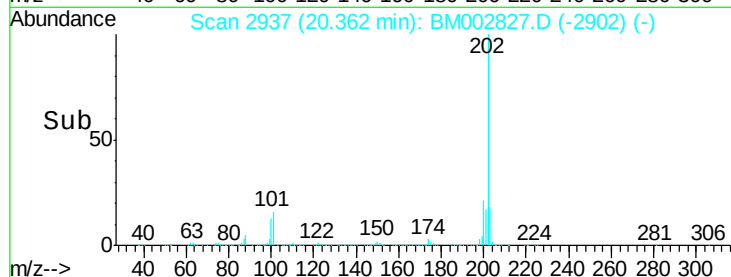
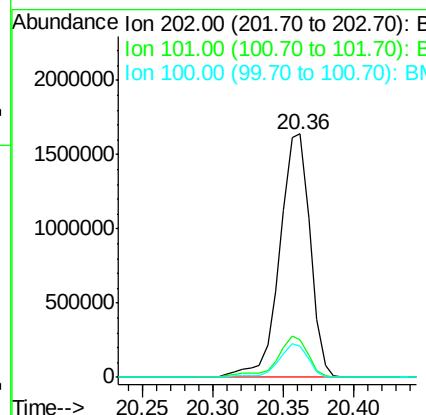
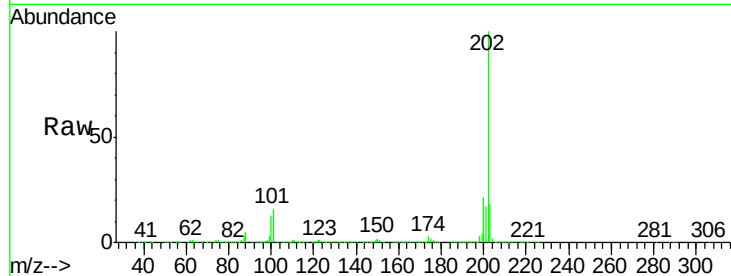
#80
Pyrene
Concen: 126.69 ng/ul
RT: 20.36 min Scan# 2937
Delta R.T. 0.01 min
Lab File: BM002827.D
Acq: 02 Oct 2015 05:16

Instrument :
BNA_M
ClientSampleId :
D9G67MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.6	12.1	18.1
100	13.0	10.2	15.4

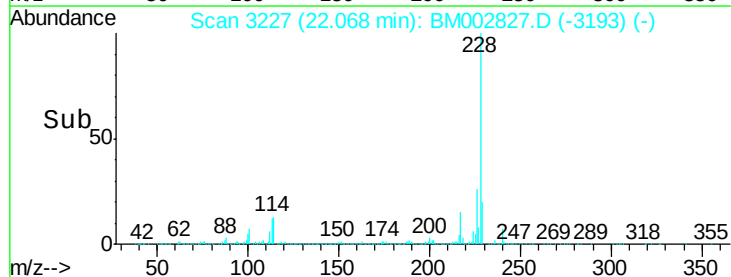
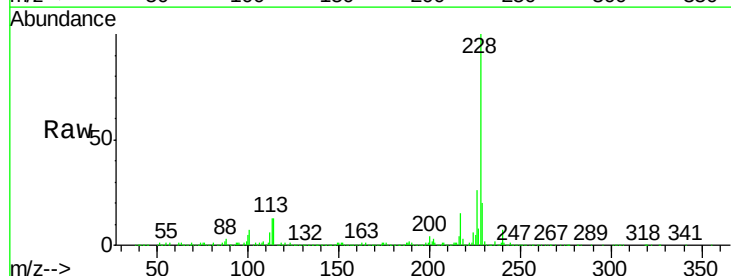
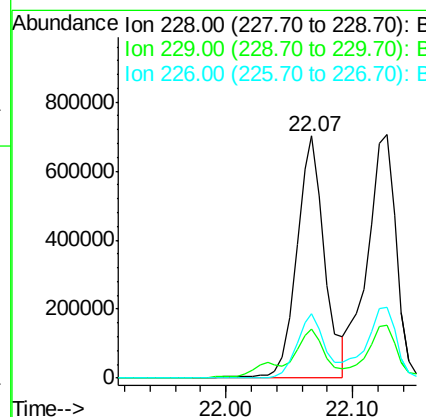
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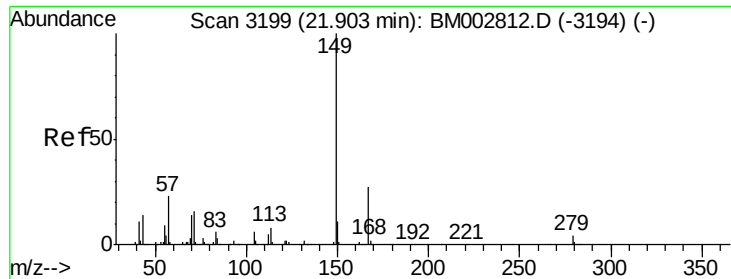
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#83
Benzo(a)anthracene
Concen: 58.61 ng/ul
RT: 22.07 min Scan# 3227
Delta R.T. -0.00 min
Lab File: BM002827.D
Acq: 02 Oct 2015 05:16

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	16.1	24.1
226	26.5	20.9	31.3





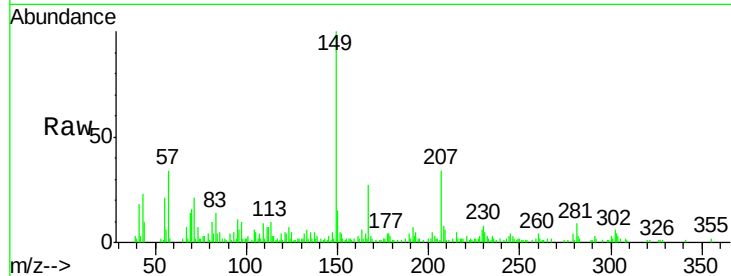
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.54 ng/ul
 RT: 21.90 min Scan# 3199
 Delta R.T. -0.00 min
 Lab File: BM002827.D
 Acq: 02 Oct 2015 05:16

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

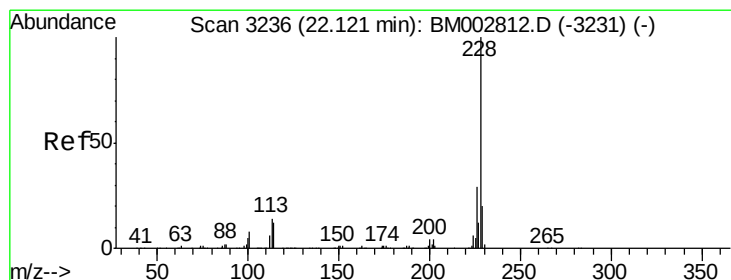
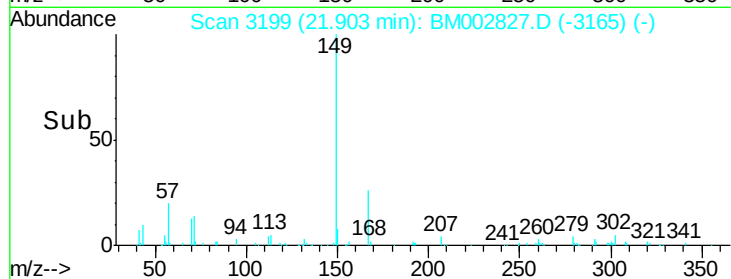
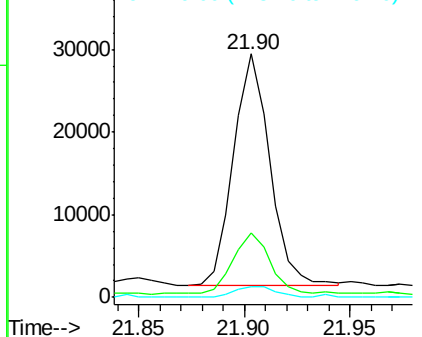
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	33470		
167	26.6	21.7	32.5	
279	4.2	3.0	4.6	

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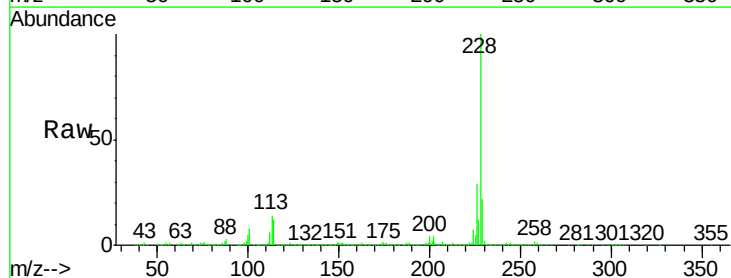


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

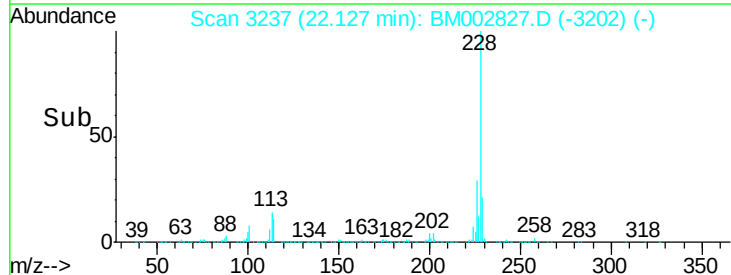
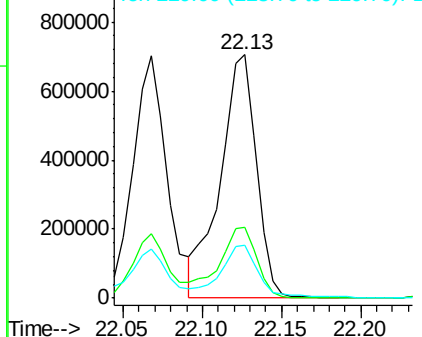


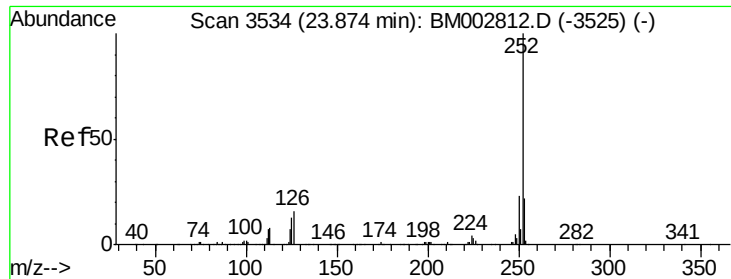
#85
 Chrysene
 Concen: 64.68 ng/ul
 RT: 22.13 min Scan# 3237
 Delta R.T. 0.01 min
 Lab File: BM002827.D
 Acq: 02 Oct 2015 05:16

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1111563		
226	29.3	22.4	33.6	
229	21.7	15.4	23.2	



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: 75.18 ng/ul

RT: 23.88 min Scan# 3535

Delta R.T. 0.01 min

Lab File: BM002827.D

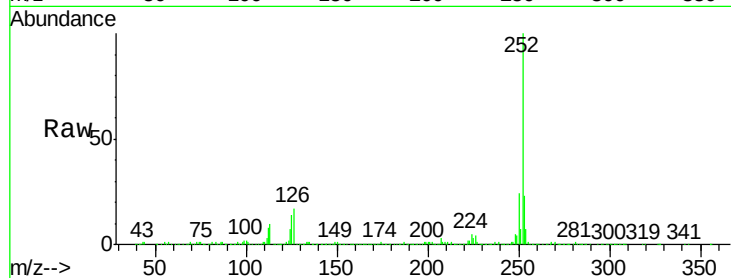
Acq: 02 Oct 2015 05:16

Instrument :

BNA_M

ClientSampleId :

D9G67MSD



Tgt Ion:252 Resp: 1456575

Ion Ratio Lower Upper

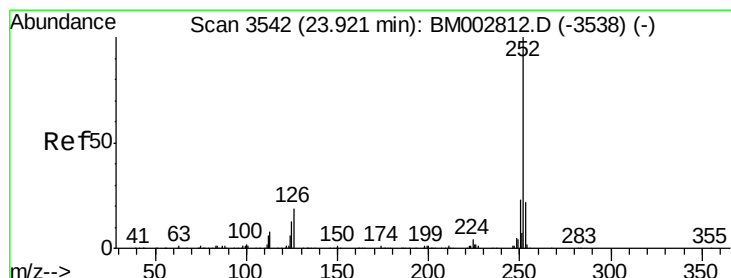
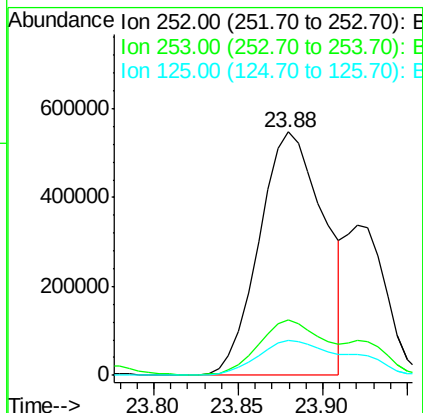
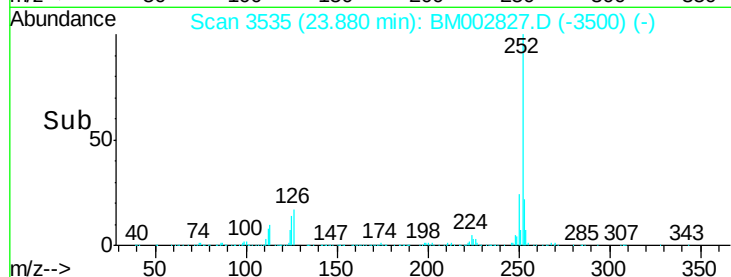
252 100

253 22.6 17.6 26.4

125 14.1 10.6 15.8

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#89

Benzo(k)fluoranthene

Concen: 30.74 ng/ul m

RT: 23.92 min Scan# 3542

Delta R.T. -0.00 min

Lab File: BM002827.D

Acq: 02 Oct 2015 05:16

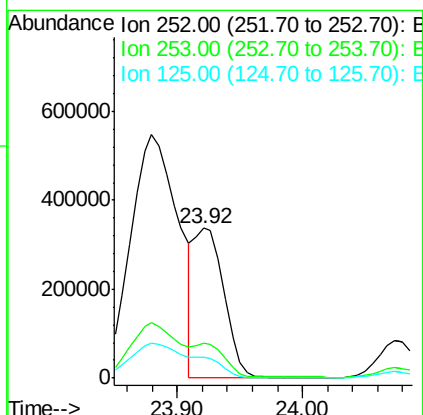
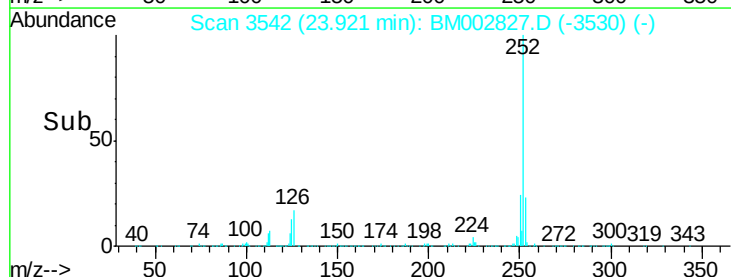
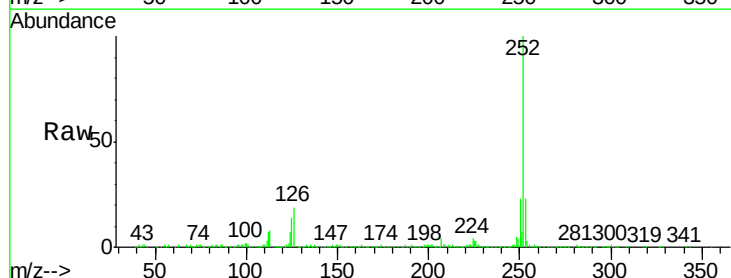
Tgt Ion:252 Resp: 563752

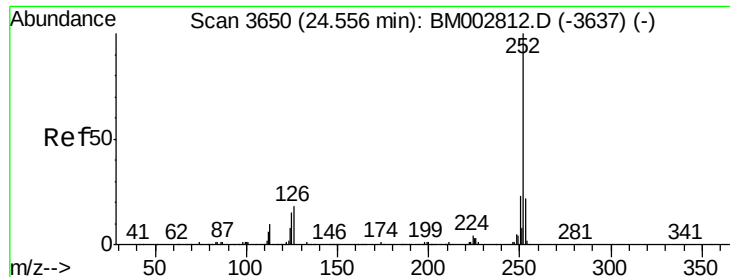
Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 14.2 10.0 15.0





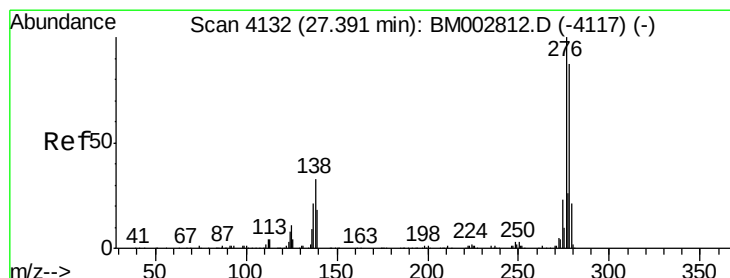
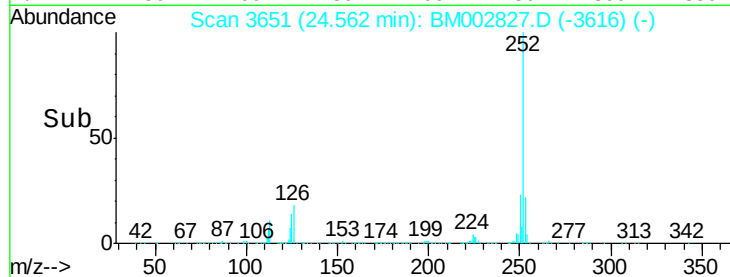
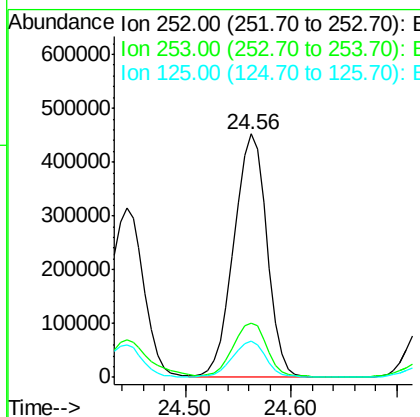
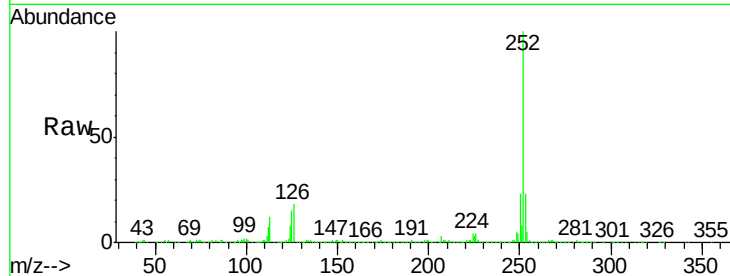
#91
Benzo(a)pyrene
Concen: 52.39 ng/ul
RT: 24.56 min Scan# 3651
Delta R.T. 0.01 min
Lab File: BM002827.D
Acq: 02 Oct 2015 05:16

Instrument :
BNA_M
ClientSampleId :
D9G67MSD

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.5	17.4	26.0
125	14.8	11.4	17.2

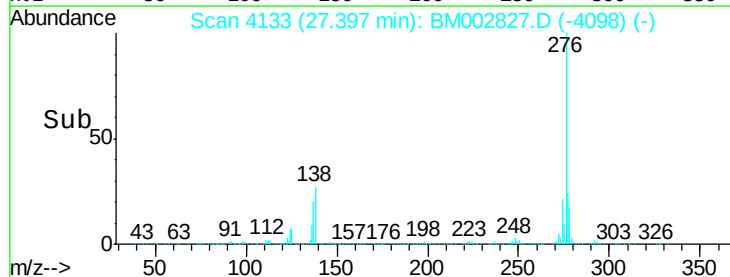
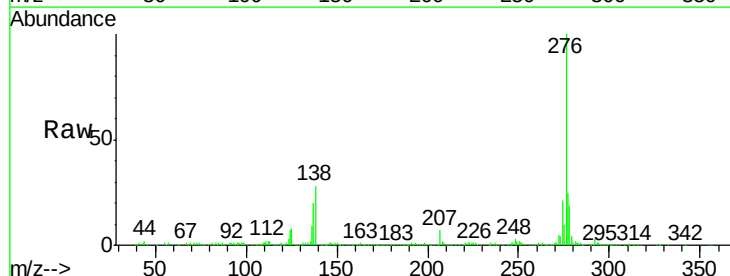
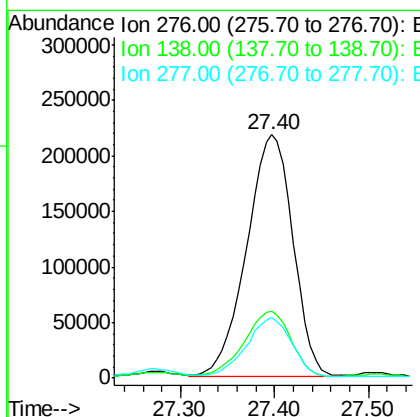
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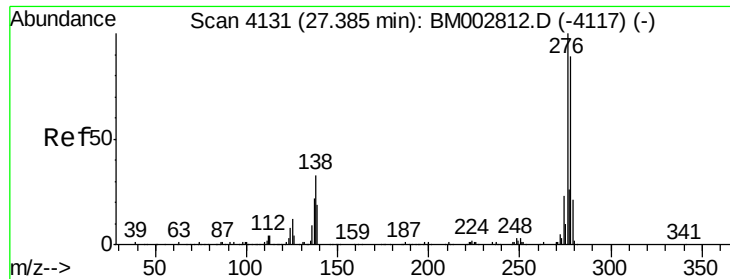
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#92
Indeno(1,2,3-cd)pyrene
Concen: 34.08 ng/ul
RT: 27.40 min Scan# 4133
Delta R.T. 0.01 min
Lab File: BM002827.D
Acq: 02 Oct 2015 05:16

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	27.6	27.7	41.5#
277	24.9	20.2	30.4





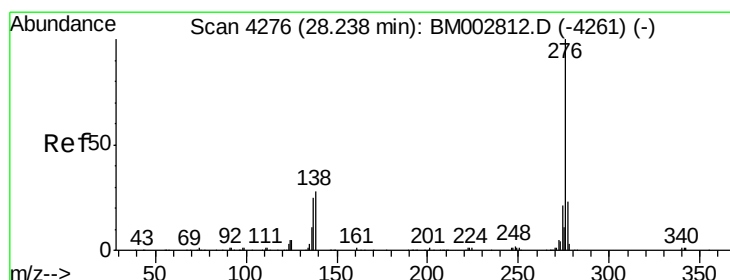
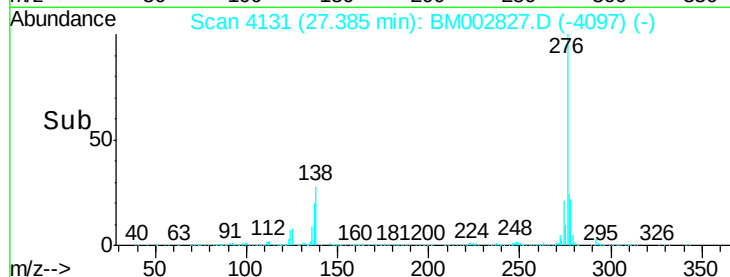
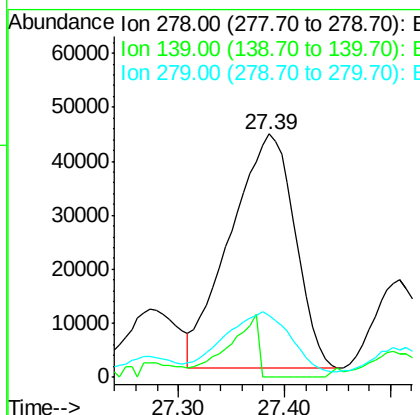
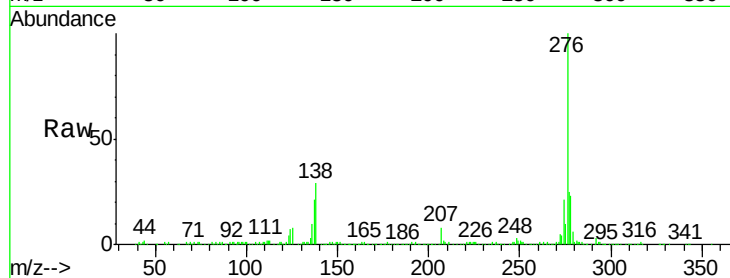
#93
Dibenzo(a,h)anthracene
Concen: 10.03 ng/ul m
RT: 27.39 min Scan# 4131
Delta R.T. -0.00 min
Lab File: BM002827.D
Acq: 02 Oct 2015 05:16

Instrument :
BNA_M
ClientSampleId :
D9G67MSD

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	183887		
139	0.0	17.0	25.6#	
279	25.7	19.0	28.6	

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#94
Benzo(g,h,i)perylene
Concen: 35.72 ng/ul
RT: 28.25 min Scan# 4278
Delta R.T. 0.01 min
Lab File: BM002827.D
Acq: 02 Oct 2015 05:16

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	652917		
138	28.9	21.8	32.8	
277	25.5	18.9	28.3	

