

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012829.D
 Acq On : 08 Nov 2017 19:56
 Operator : SJ/JU
 Sample : I5955-06MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-15(0.25-1.25)-101717MS

Quant Time: Nov 09 03:58:32 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 03:48:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	115845	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	472098	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	277579	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	1381242	20.00	ng/ul	0.11
77) Chrysene-d12	21.36	240	490351	20.00	ng/ul	0.00
85) Perylene-d12	23.65	264	548537	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	16468	7.68	ng/uL	0.00
5) Phenol-d5	6.97	99	408414	47.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	225957	48.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	357822	49.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	324154	43.57	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	176083	50.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	209897	52.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	389701	47.63	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	140138	17.75	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	1186399	51.65	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1403530	49.40	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	152248	41.37	ng/ul	0.00
57) Fluorene-d10	15.43	176	980514	49.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	72554	7.96	ng/ul	0.00
70) Anthracene-d10	17.29	188	1380152	20.68	ng/ul	0.00
78) Pyrene-d10	19.58	212	1297468	57.02	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	1454107	56.06	ng/ul	0.01

Target Compounds

					Ovalue	
4) Benzaldehyde	6.95	77	4828	1.05	ng/ul#	1
6) Phenol	7.00	94	391314	44.22	ng/ul	98
10) 2-Chlorophenol	7.37	128	303499	41.03	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.61	70	185713	34.51	ng/ul	98
16) 4-Methylphenol	8.58	108	11390	1.56	ng/ul	94
17) Hexachloroethane	8.90	117	10784	3.62	ng/ul#	7
21) Isophorone	9.53	82	86219	5.83	ng/ul	98
24) 2,4-Dimethylphenol	9.80	107	10526	1.20	ng/ul#	78
28) Naphthalene	10.64	128	35674	1.51	ng/ul	96
33) 4-Chloro-3-methylphenol	11.88	107	340145	43.87	ng/ul	98
44) Dimethylphthalate	13.90	163	419632	18.41	ng/ul	98
45) 2,6-Dinitrotoluene	13.89	165	4751	1.04	ng/ul#	56
49) Acenaphthene	14.50	153	683661	36.44	ng/ul	99
52) 4-Nitrophenol	14.67	109	103840	31.97	ng/ul	99
54) 2,4-Dinitrotoluene	14.82	165	241334	35.97	ng/ul	98
67) Atrazine	16.84	200	30158	1.81	ng/ul#	38
68) Pentachlorophenol	16.84	266	171435	14.81	ng/ul	98
75) Di-n-butylphthalate	18.15	149	1543932	20.18	ng/ul	99
79) Pyrene	19.61	202	1229659	42.03	ng/ul#	93
82) Benzo(a)anthracene	21.35	228	33529	1.13	ng/ul#	60
83) Bis(2-ethylhexyl)phthalate	21.29	149	10126385	651.54	ng/ul#	90
84) Chrysene	21.40	228	45619	1.70	ng/ul#	84
87) Benzo(b)fluoranthene	22.96	252	131555	3.92	ng/ul#	54

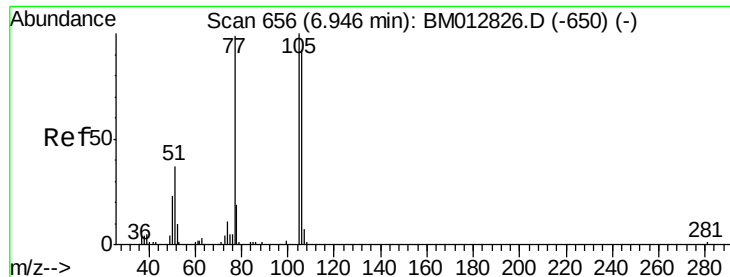
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012829.D
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 03:48:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(k)fluoranthene	22.96	252	131555	4.13	ng/ul#	52
90) Benzo(a)pyrene	23.55	252	38199	1.20	ng/ul#	61
91) Indeno(1,2,3-cd)pyrene	25.96	276	95067	2.47	ng/ul#	87
93) Benzo(g,h,i)perylene	26.68	276	92796	2.93	ng/ul#	88

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



#4

Benzaldehyde

Concen: 1.05 ng/ul

RT: 6.95 min Scan# 657

Delta R.T. 0.01 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

Instrument :

BNA_M

ClientSampleId :

B-15(0.25-1.25)-101717MS

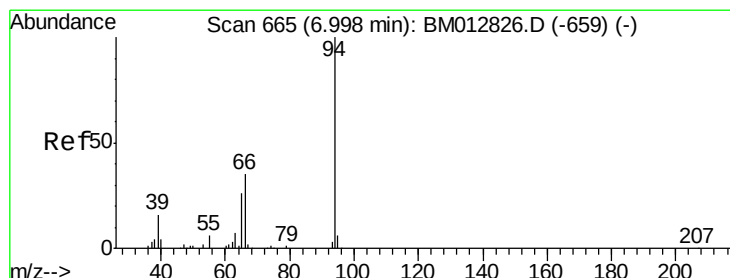
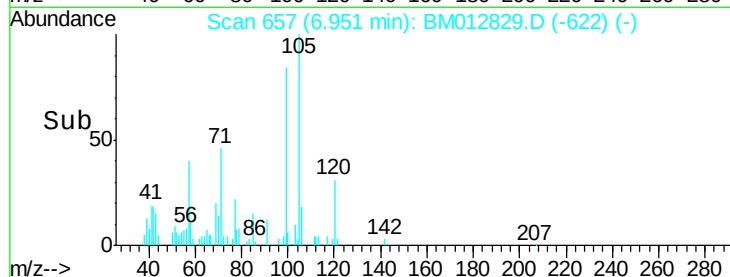
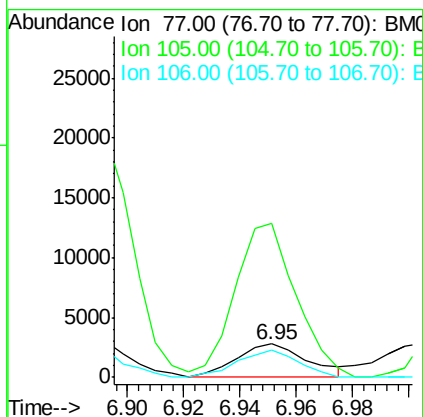
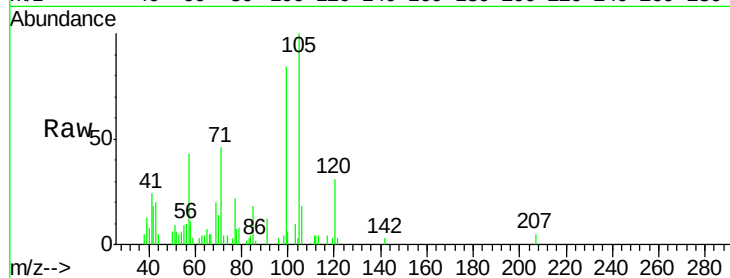
Tot Ion: 77 Resp: 4828

Ion Ratio Lower Upper

77 100

105 463.1 80.6 120.8#

106 83.6 77.7 116.5



#6

Phenol

Concen: 44.22 ng/ul

RT: 7.00 min Scan# 666

Delta R.T. 0.01 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

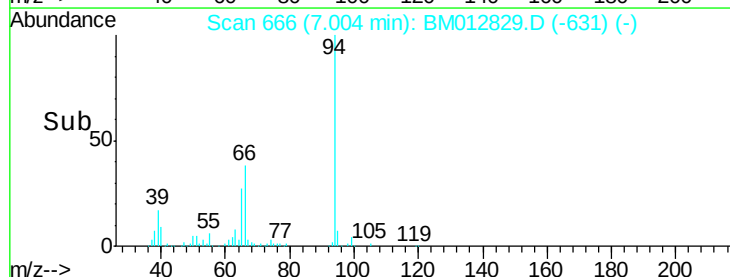
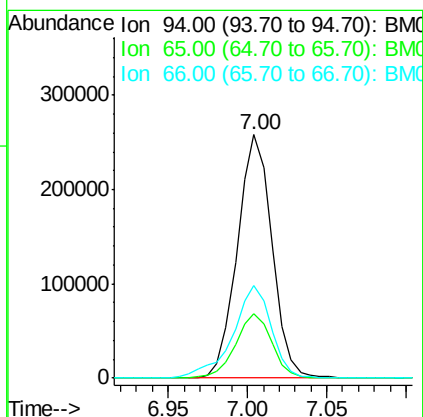
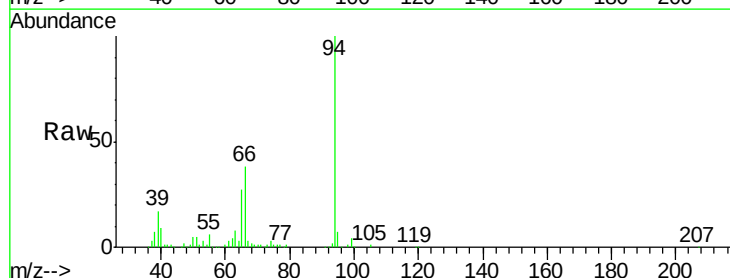
Tgt Ion: 94 Resp: 391314

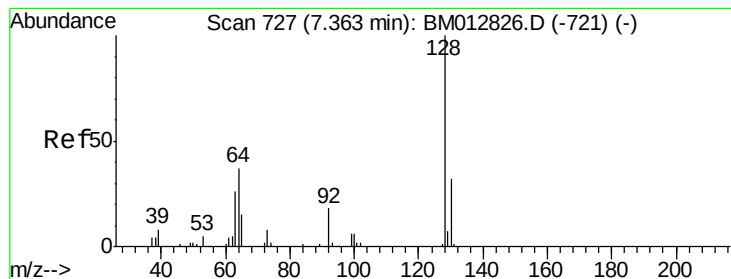
Ion Ratio Lower Upper

94 100

65 26.7 21.0 31.6

66 37.8 29.3 43.9





#10

2-Chlorophenol

Concen: 41.03 ng/ul

RT: 7.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

Instrument :

BNA_M

ClientSampleId :

B-15(0.25-1.25)-101717MS

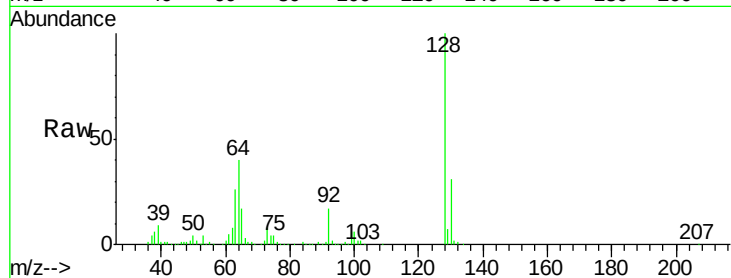
Tot Ion:128 Resp: 303499

Ion Ratio Lower Upper

128 100

64 40.2 31.9 47.9

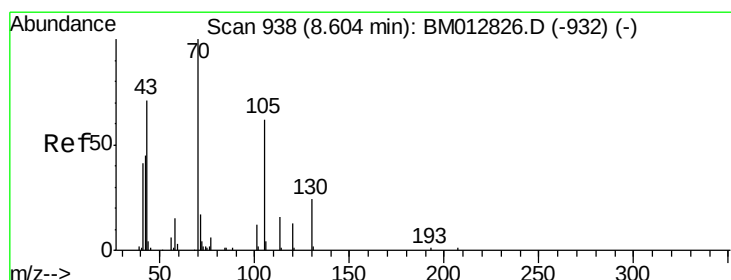
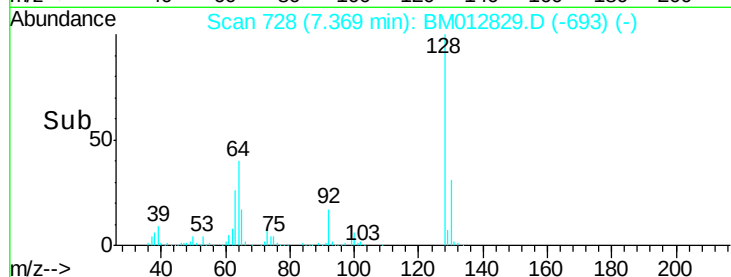
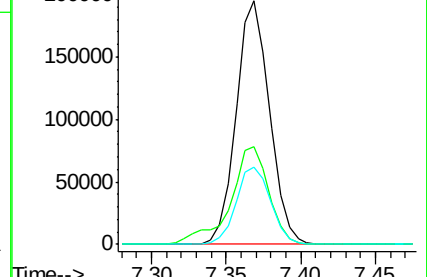
130 31.5 25.6 38.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 130.00 (129.70 to 130.70): E



#15

N-Nitroso-di-n-propylamine

Concen: 34.51 ng/ul

RT: 8.61 min Scan# 939

Delta R.T. 0.01 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

Tgt Ion: 70 Resp: 185713

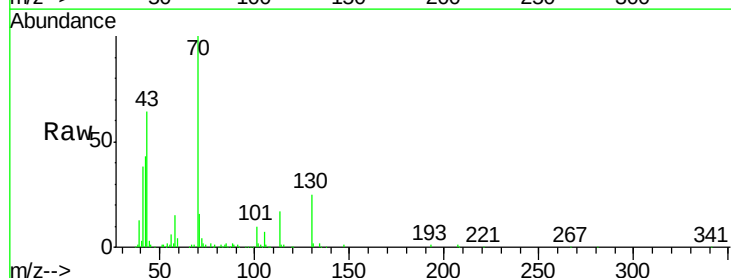
Ion Ratio Lower Upper

70 100

42 43.3 35.4 53.0

101 9.7 8.4 12.6

130 24.9 18.2 27.4

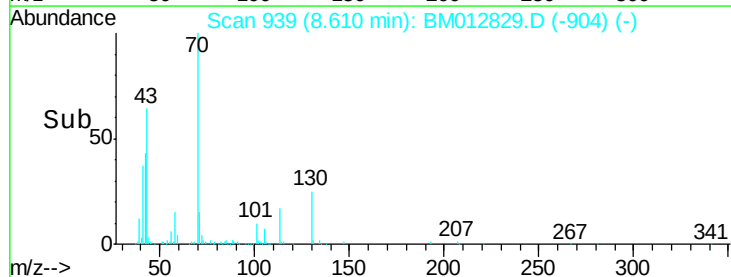
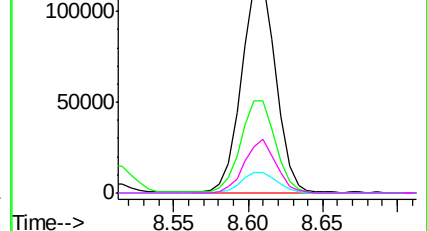


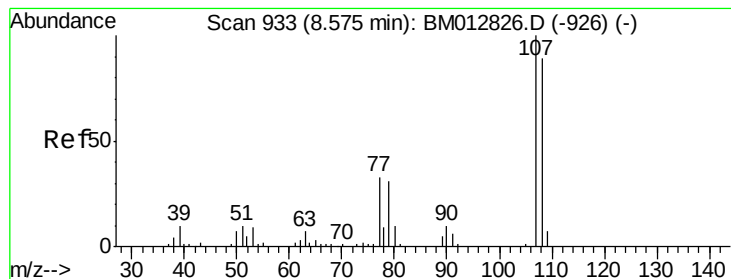
Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#16

4-Methylphenol

Concen: 1.56 ng/ul

RT: 8.58 min Scan# 934

Delta R.T. 0.01 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

Instrument :

BNA_M

ClientSampleId :

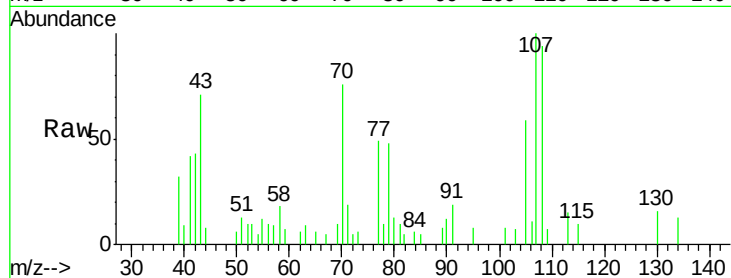
B-15(0.25-1.25)-101717MS

Tot Ion:108 Resp: 11390

Ion Ratio Lower Upper

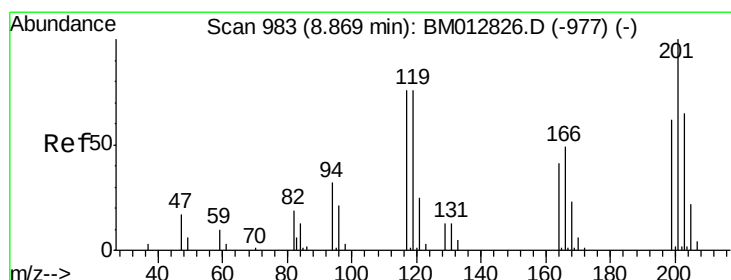
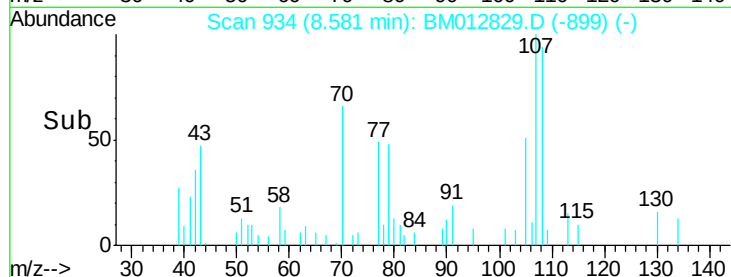
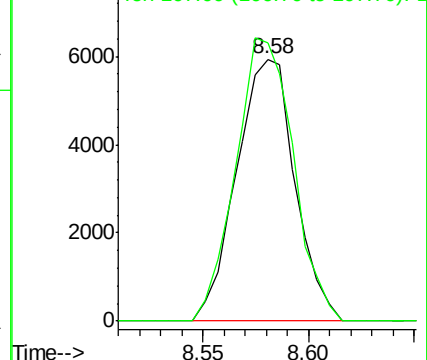
108 100

107 106.4 90.3 135.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#17

Hexachloroethane

Concen: 3.62 ng/ul

RT: 8.90 min Scan# 988

Delta R.T. 0.03 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

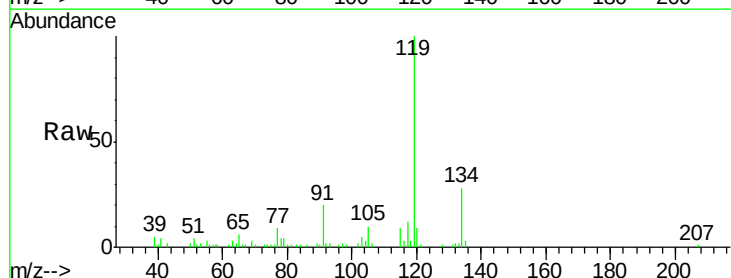
Tgt Ion:117 Resp: 10784

Ion Ratio Lower Upper

117 100

201 0.0 81.5 122.3#

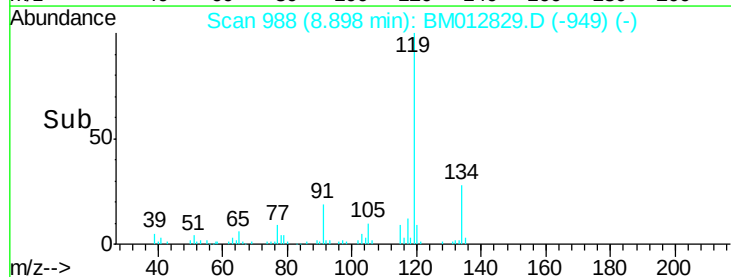
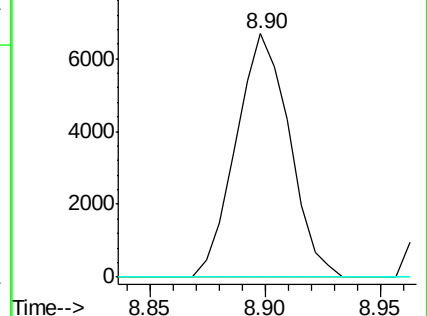
199 0.0 50.6 76.0#

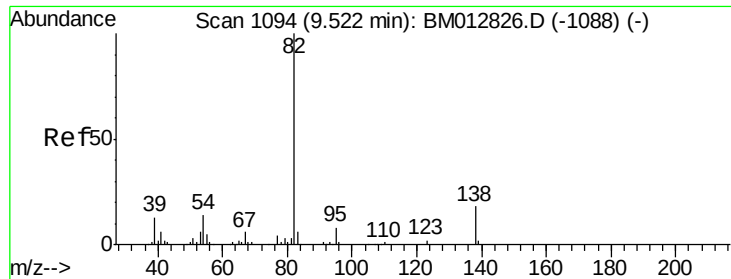


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

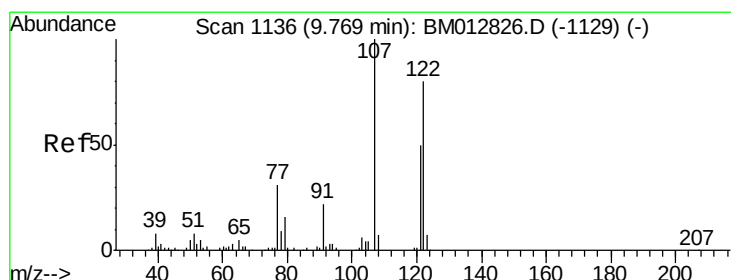
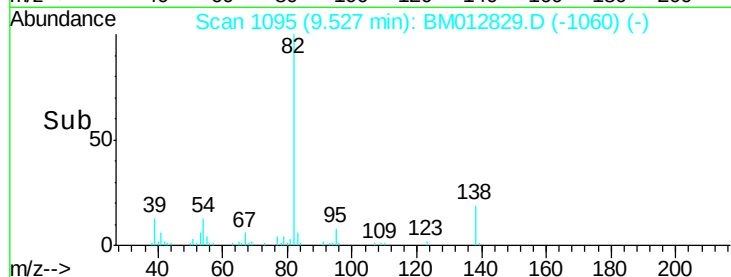
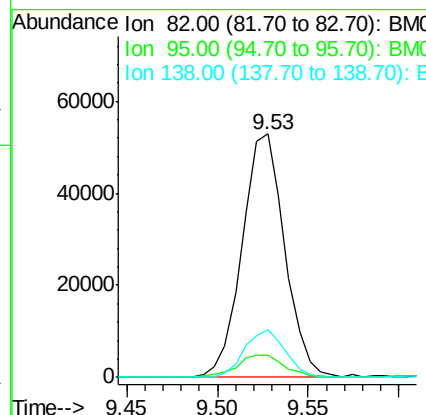
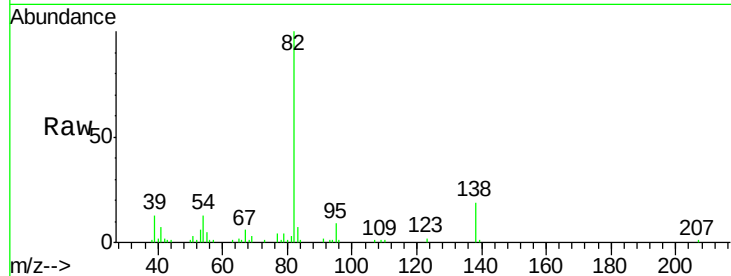




#21
Isophorone
Concen: 5.83 ng/ul
RT: 9.53 min Scan# 1095
Delta R.T. 0.01 min
Lab File: BM012829.D
Acq: 08 Nov 2017 19:56

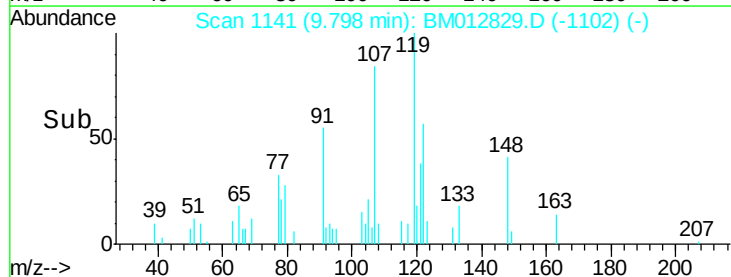
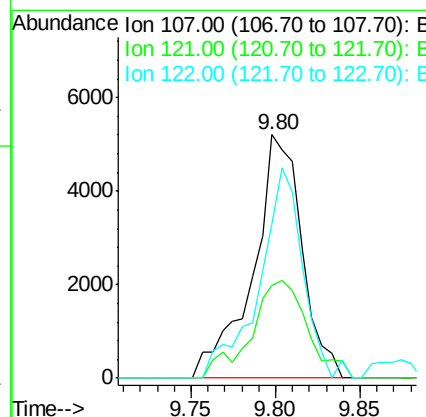
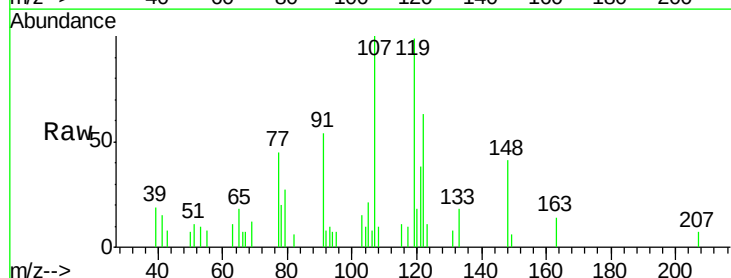
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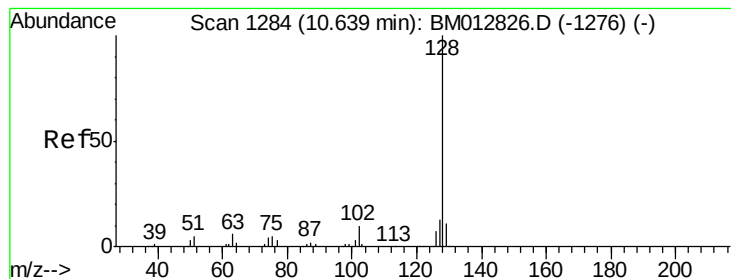
Tot Ion	82	Resp	86219
Ion Ratio	Lower	Upper	
82	100		
95	9.0	6.4	9.6
138	19.4	14.9	22.3



#24
2,4-Dimethylphenol
Concen: 1.20 ng/ul
RT: 9.80 min Scan# 1141
Delta R.T. 0.03 min
Lab File: BM012829.D
Acq: 08 Nov 2017 19:56

Tgt Ion	107	Resp	10526
Ion Ratio	Lower	Upper	
107	100		
121	37.8	40.6	61.0#
122	63.2	67.8	101.6#





#28

Naphthalene

Concen: 1.51 ng/ul

RT: 10.64 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

Instrument :

BNA_M

ClientSampleId :

B-15(0.25-1.25)-101717MS

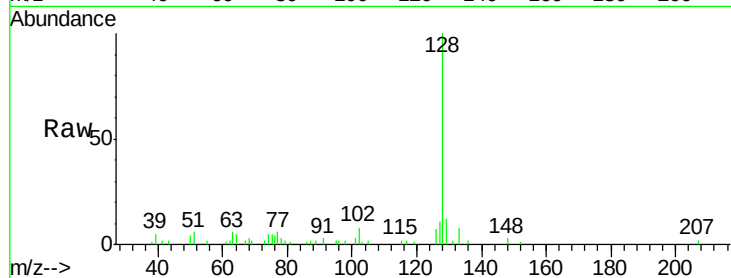
Tot Ion:128 Resp: 35674

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

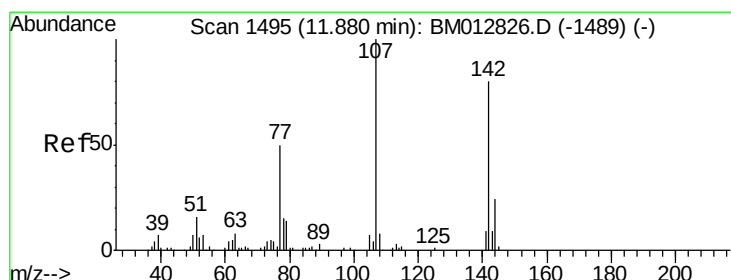
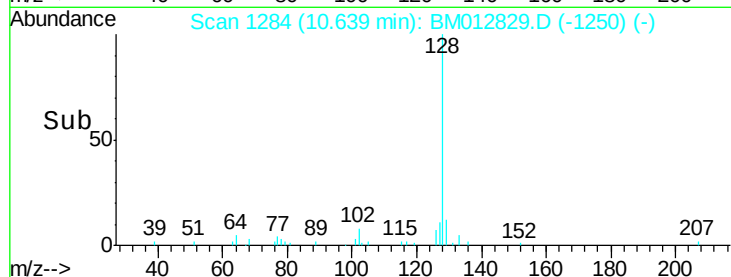
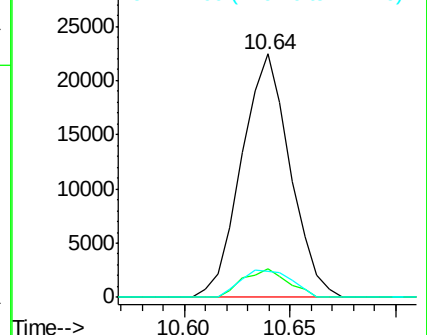
127 10.7 10.5 15.7



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



#33

4-Chloro-3-methylphenol

Concen: 43.87 ng/ul

RT: 11.88 min Scan# 1495

Delta R.T. -0.00 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

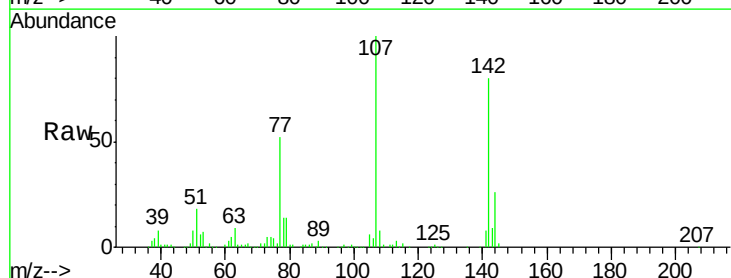
Tgt Ion:107 Resp: 340145

Ion Ratio Lower Upper

107 100

144 26.4 20.4 30.6

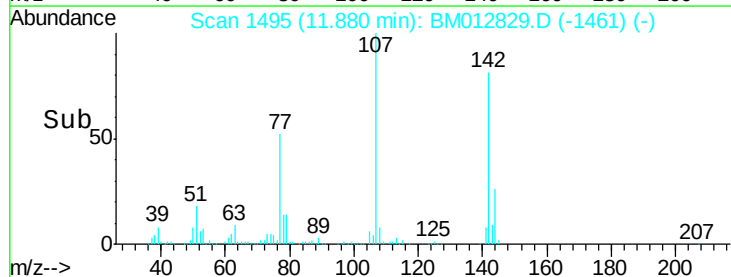
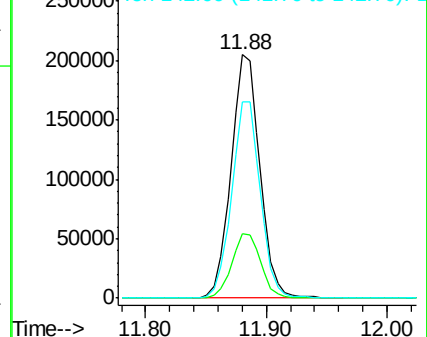
142 80.5 62.5 93.7

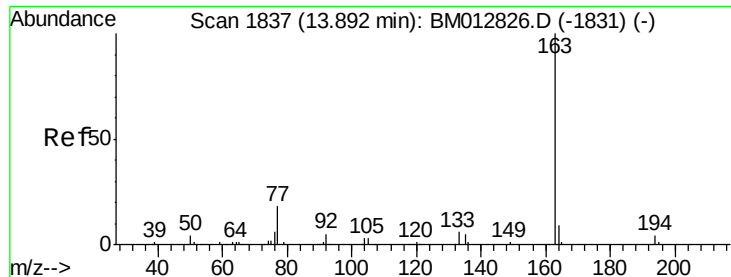


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#44

Dimethylphthalate

Concen: 18.41 ng/ul

RT: 13.90 min Scan# 1838

Delta R.T. 0.01 min

Lab File: BM012829.D

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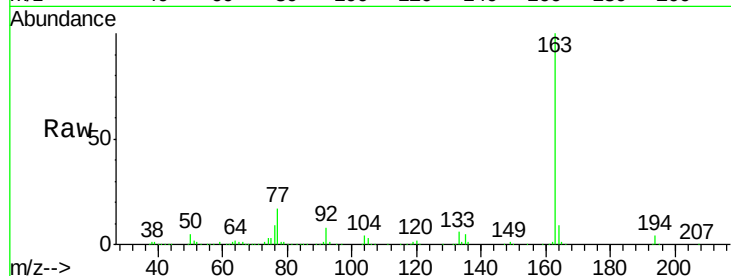
Tot Ion:163 Resp: 419632

Ion Ratio Lower Upper

163 100

194 4.5 3.2 4.8

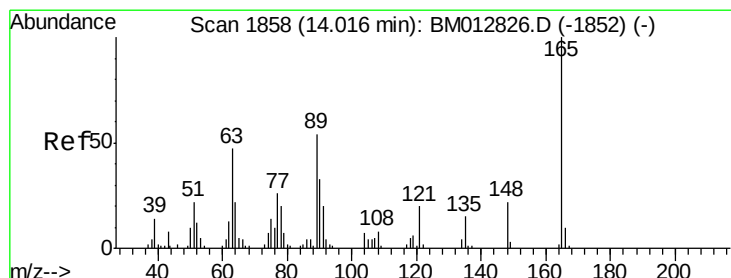
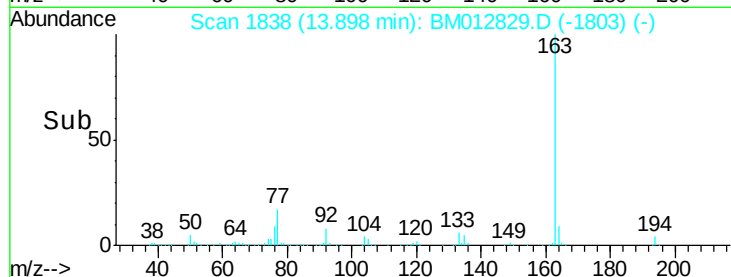
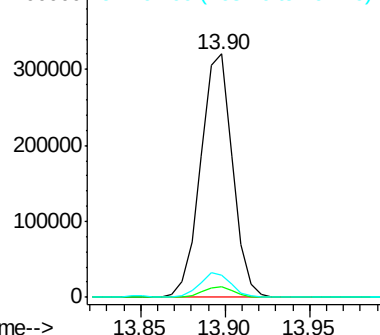
164 9.1 7.8 11.8



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



#45

2,6-Dinitrotoluene

Concen: 1.04 ng/ul

RT: 13.89 min Scan# 1837

Delta R.T. -0.12 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

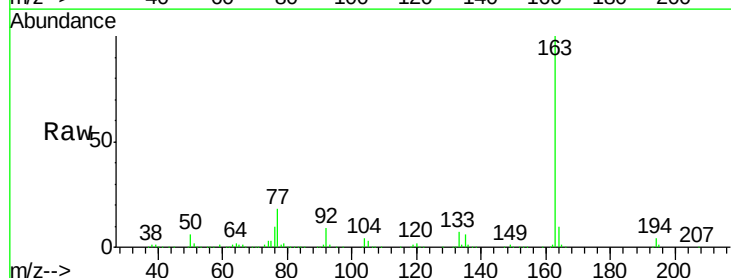
Tgt Ion:165 Resp: 4751

Ion Ratio Lower Upper

165 100

89 16.0 42.4 63.6#

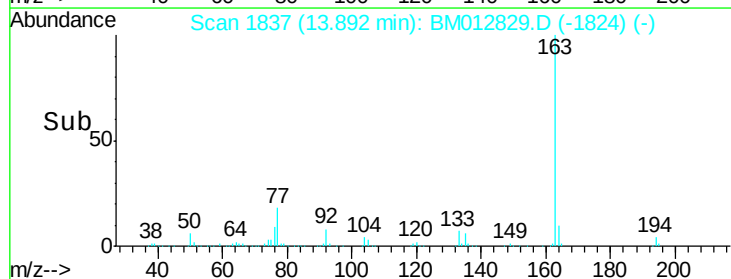
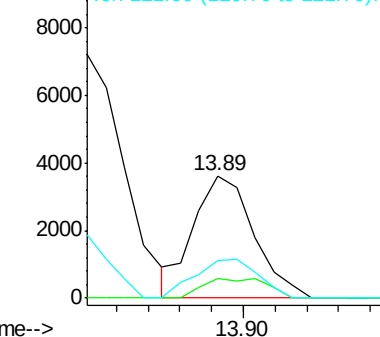
121 30.8 16.6 24.8#

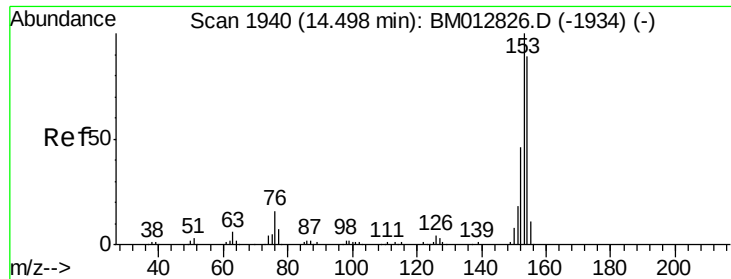


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E





#49

Acenaphthene

Concen: 36.44 ng/ul

RT: 14.50 min Scan# 1941

Delta R.T. 0.01 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

Instrument :

BNA_M

ClientSampleId :

B-15(0.25-1.25)-101717MS

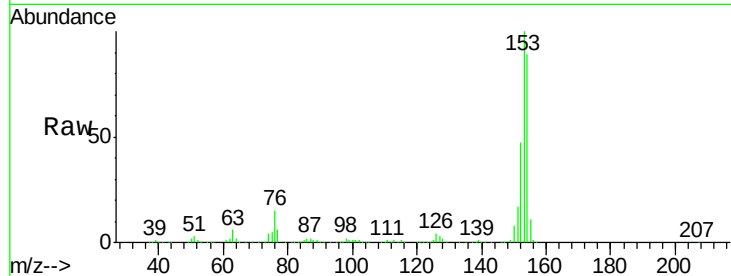
Tot Ion:153 Resp: 683661

Ion Ratio Lower Upper

153 100

152 46.6 38.3 57.5

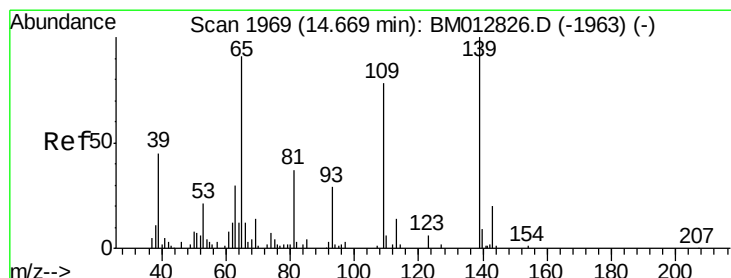
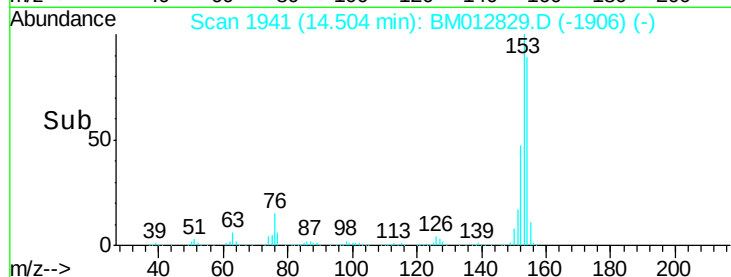
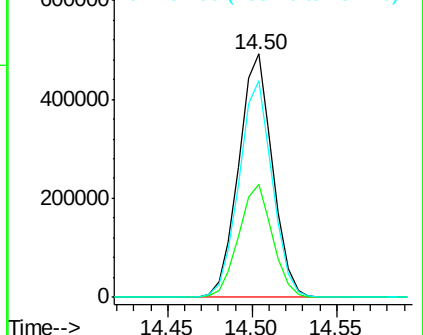
154 89.0 71.8 107.8



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



#52

4-Nitrophenol

Concen: 31.97 ng/ul

RT: 14.67 min Scan# 1970

Delta R.T. 0.01 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

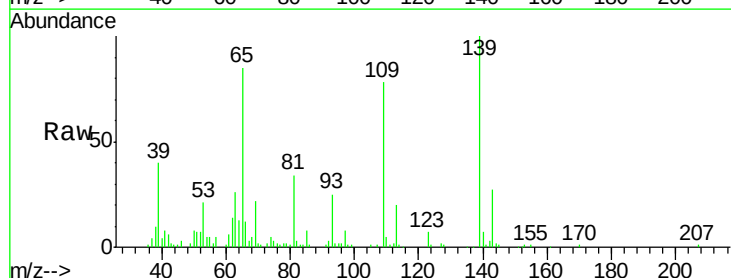
Tgt Ion:109 Resp: 103840

Ion Ratio Lower Upper

109 100

139 128.9 103.7 155.5

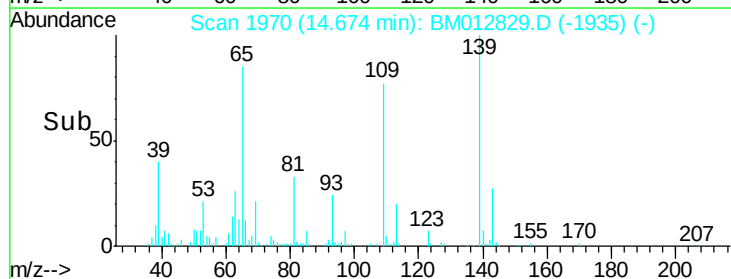
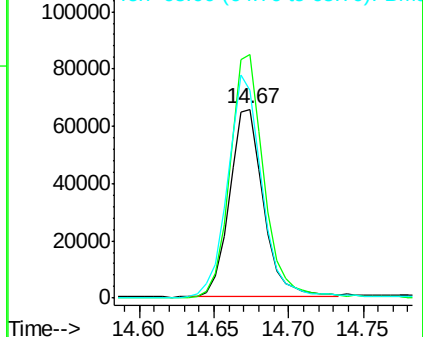
65 109.9 89.4 134.2

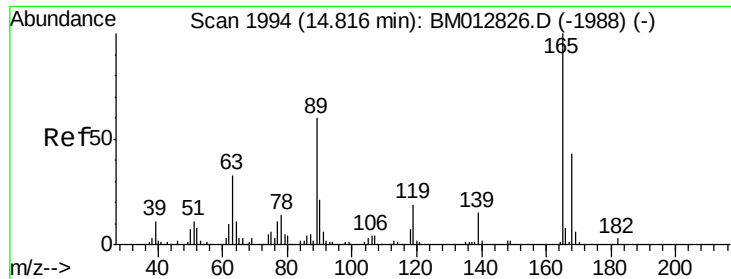


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM





#54

2,4-Dinitrotoluene

Concen: 35.97 ng/ul

RT: 14.82 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

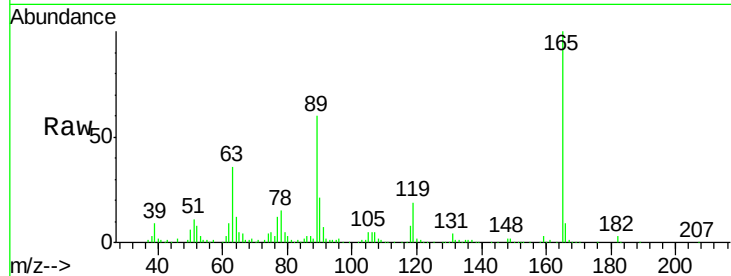
Instrument :

BNA_M

ClientSampleId :

B-15(0.25-1.25)-101717MS

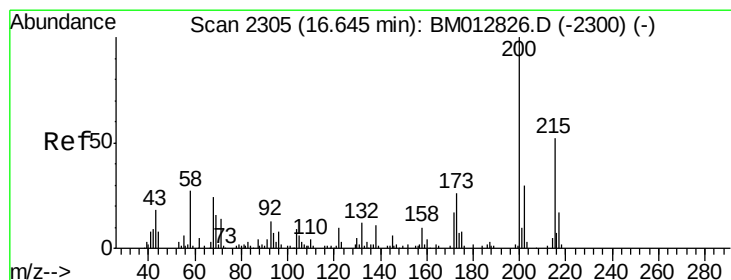
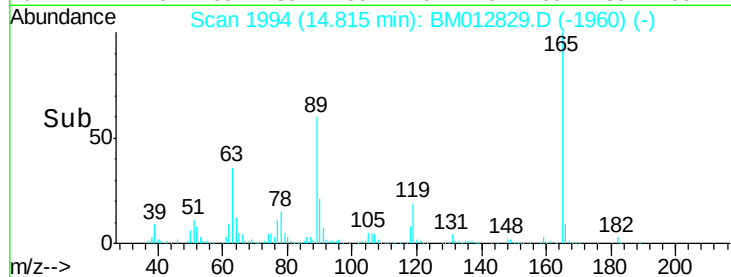
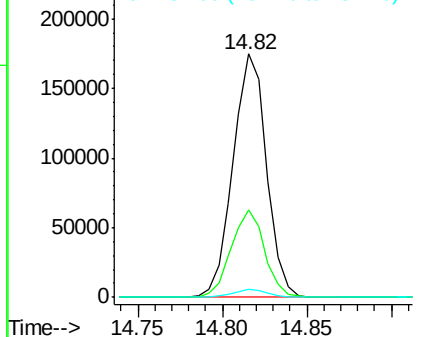
Tot Ion:165	Resp:	241334
Ion Ratio	Lower	Upper
165	100	
63	35.9	29.8 44.6
182	3.2	2.2 3.4



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



#67

Atrazine

Concen: 1.81 ng/ul

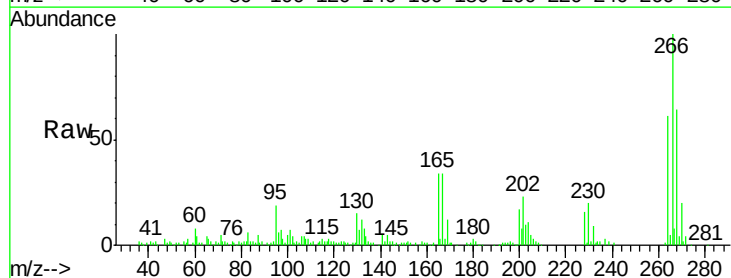
RT: 16.84 min Scan# 2339

Delta R.T. 0.20 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

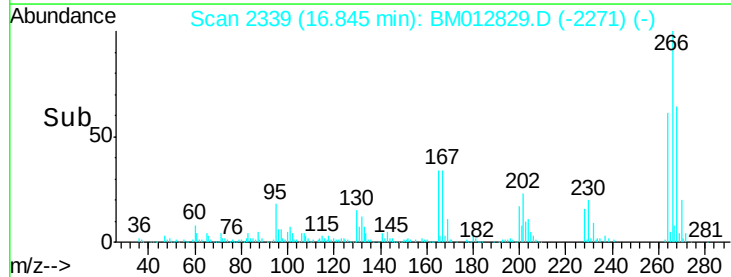
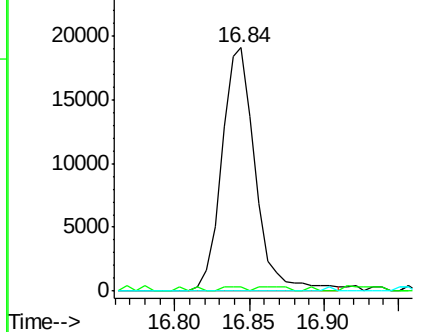
Tgt Ion:200	Resp:	30158
Ion Ratio	Lower	Upper
200	100	
173	1.6	21.6 32.4#
215	0.0	37.0 55.4#

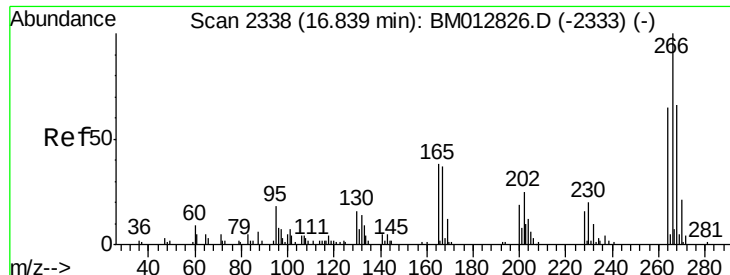


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

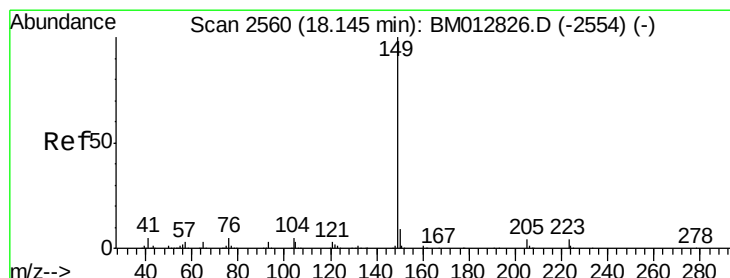
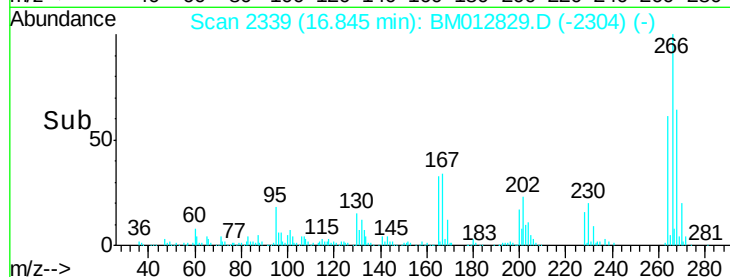
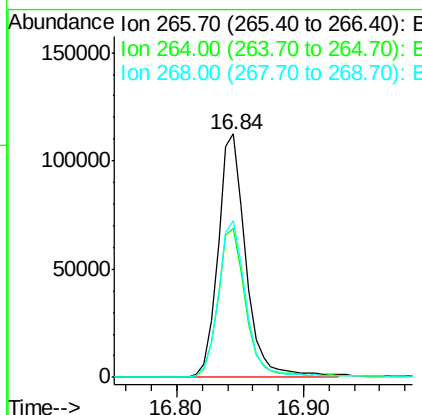
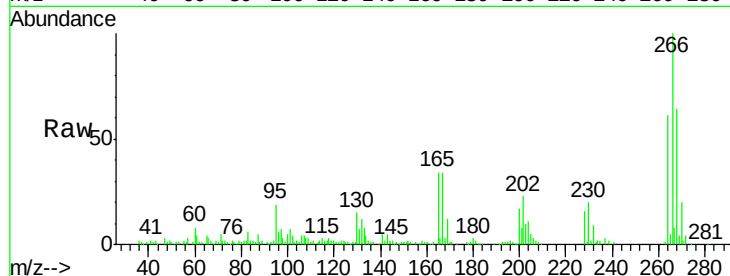




#68
 Pentachlorophenol
 Concen: 14.81 ng/ul
 RT: 16.84 min Scan# 2339
 Delta R.T. 0.01 min
 Lab File: BM012829.D
 Acq: 08 Nov 2017 19:56

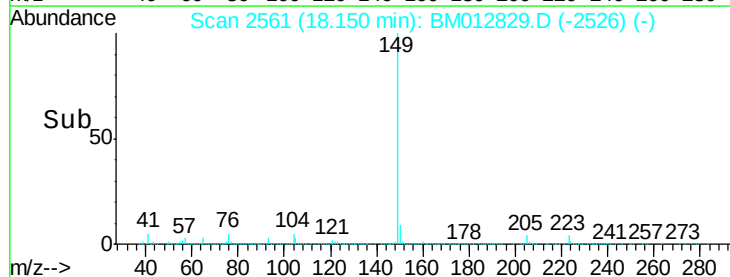
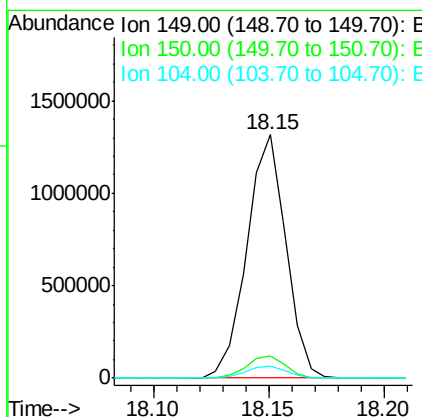
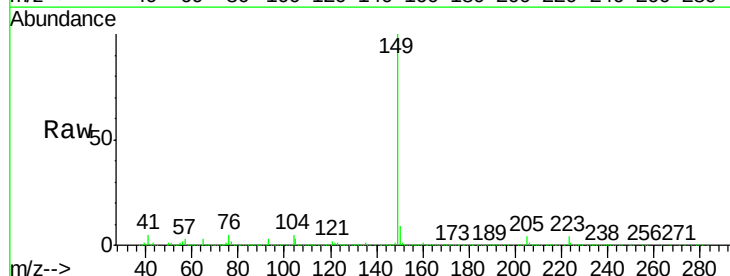
Instrument :
 BNA_M
 ClientSampleId :
 B-15(0.25-1.25)-101717MS

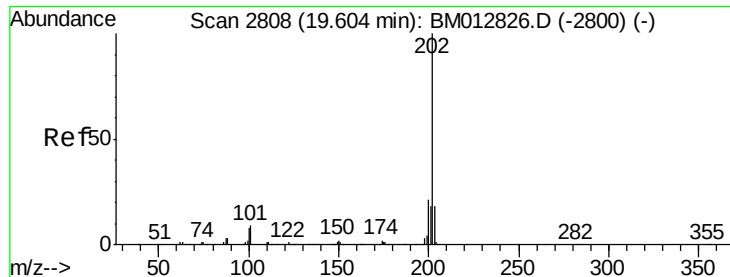
Tot Ion	Ratio	Lower	Upper
266	100		
264	61.3	50.5	75.7
268	64.4	50.9	76.3



#75
 Di-n-butylphthalate
 Concen: 20.18 ng/ul
 RT: 18.15 min Scan# 2561
 Delta R.T. 0.01 min
 Lab File: BM012829.D
 Acq: 08 Nov 2017 19:56

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	4.7	4.0	6.0





#79

Pvrene

Concen: 42.03 ng/ul

RT: 19.61 min Scan# 2809

Delta R.T. 0.01 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

Instrument :

BNA_M

ClientSampleId :

B-15(0.25-1.25)-101717MS

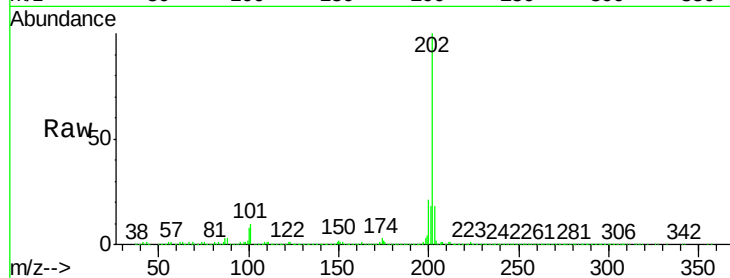
Tot Ion:202 Resp: 1229659

Ion Ratio Lower Upper

202 100

101 10.0 10.2 15.2#

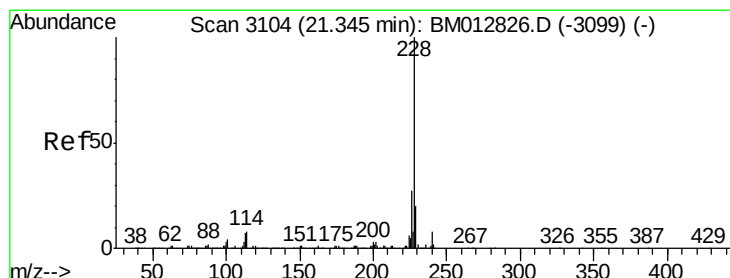
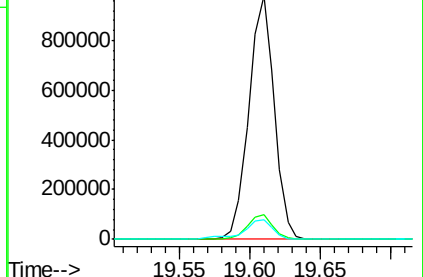
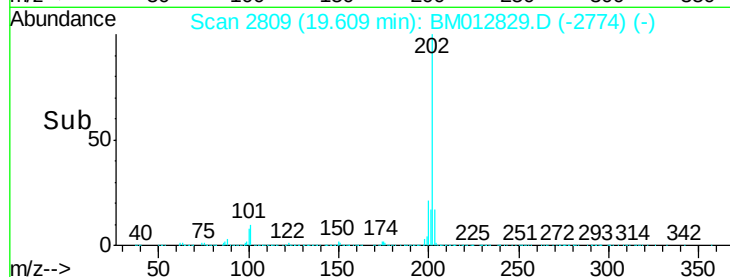
100 8.0 8.5 12.7#



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



#82

Benzo(a)anthracene

Concen: 1.13 ng/ul

RT: 21.35 min Scan# 3105

Delta R.T. 0.01 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

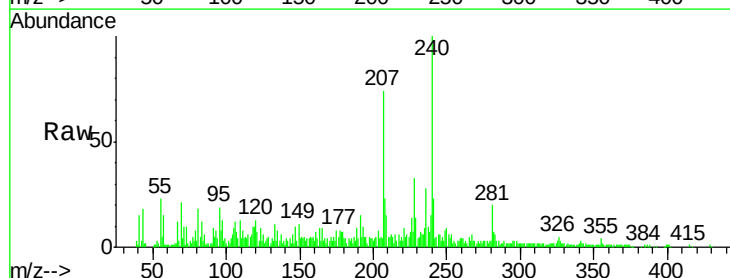
Tgt Ion:228 Resp: 33529

Ion Ratio Lower Upper

228 100

229 42.9 15.7 23.5#

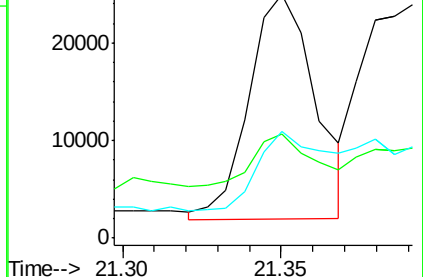
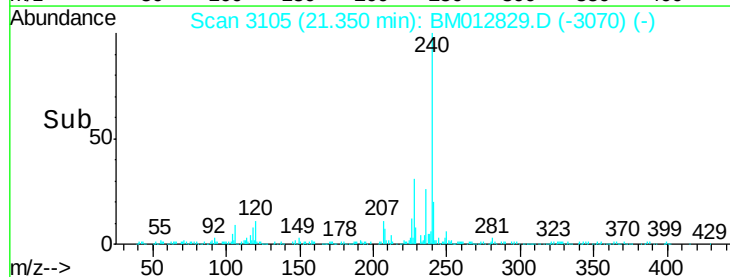
226 43.7 21.8 32.6#

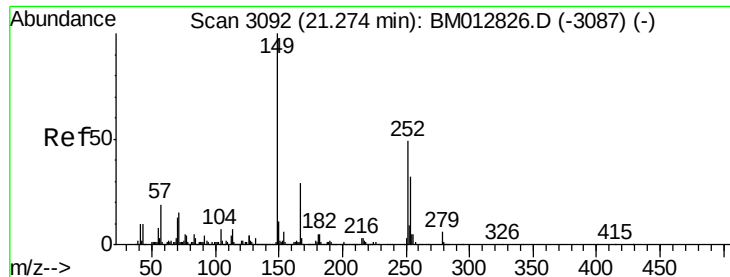


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

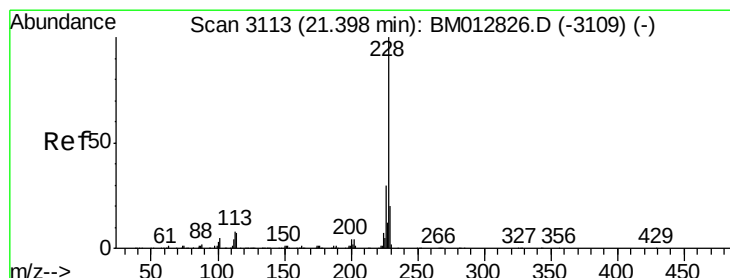
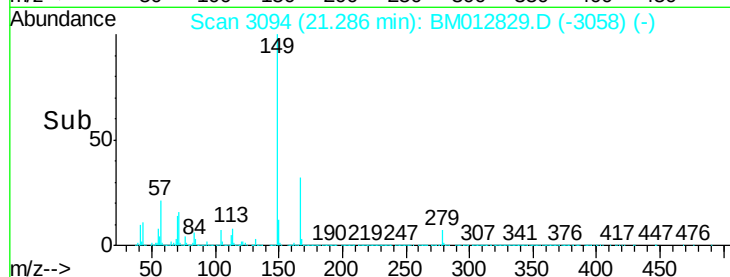
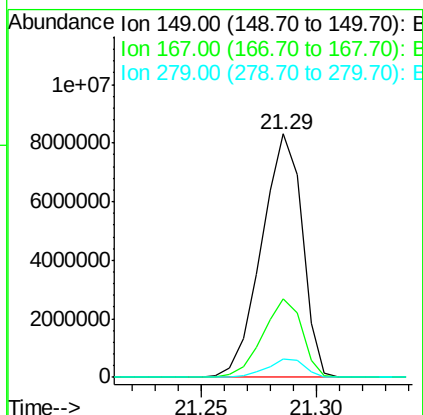
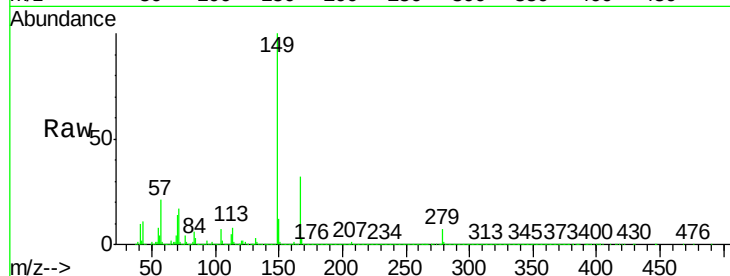




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 651.54 ng/ul
 RT: 21.29 min Scan# 3094
 Delta R.T. 0.01 min
 Lab File: BM012829.D
 Acq: 08 Nov 2017 19:56

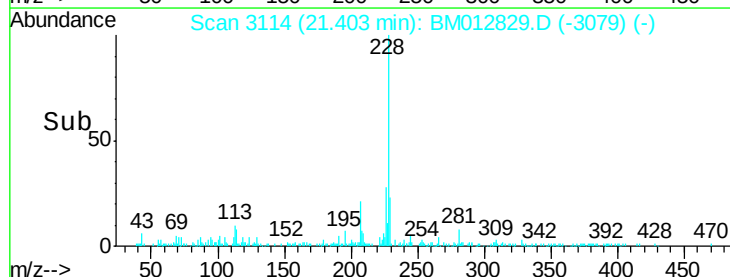
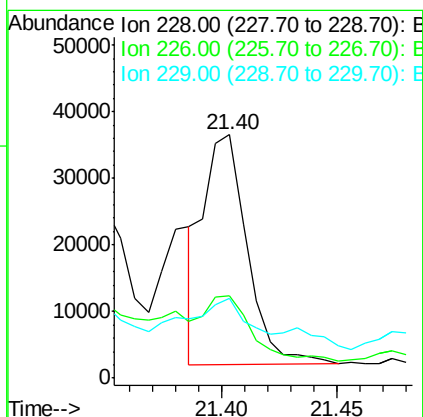
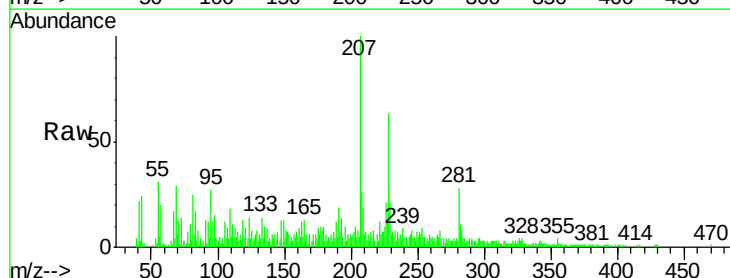
Instrument :
 BNA_M
 ClientSampleId :
 B-15(0.25-1.25)-101717MS

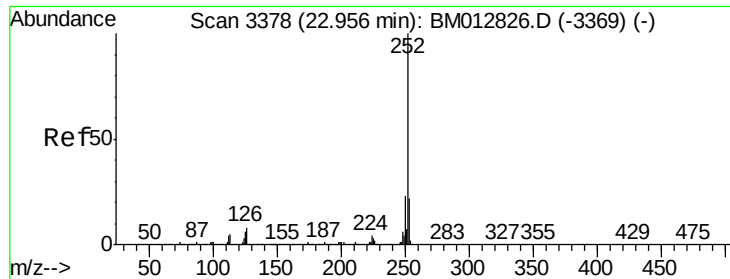
Tot Ion:149 Resp:10126385
 Ion Ratio Lower Upper
 149 100
 167 32.3 21.6 32.4
 279 7.4 3.0 4.4#



#84
 Chrysene
 Concen: 1.70 ng/ul
 RT: 21.40 min Scan# 3114
 Delta R.T. 0.01 min
 Lab File: BM012829.D
 Acq: 08 Nov 2017 19:56

Tgt Ion:228 Resp: 45619
 Ion Ratio Lower Upper
 228 100
 226 33.9 24.0 36.0
 229 32.8 15.6 23.4#





#87

Benzo(b)fluoranthene

Concen: 3.92 ng/ul

RT: 22.96 min Scan# 3379

Delta R.T. 0.01 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

Instrument :

BNA_M

ClientSampleId :

B-15(0.25-1.25)-101717MS

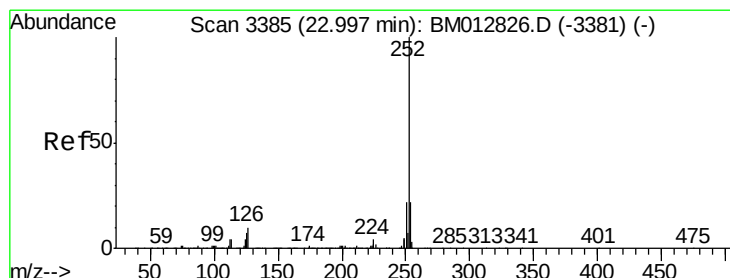
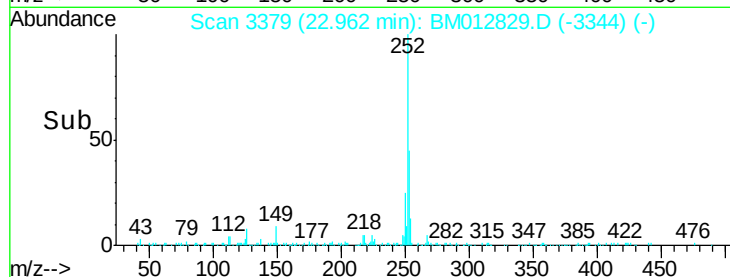
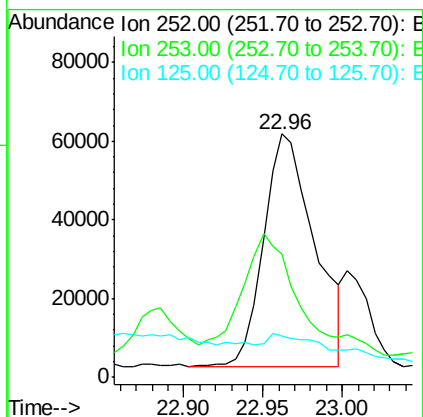
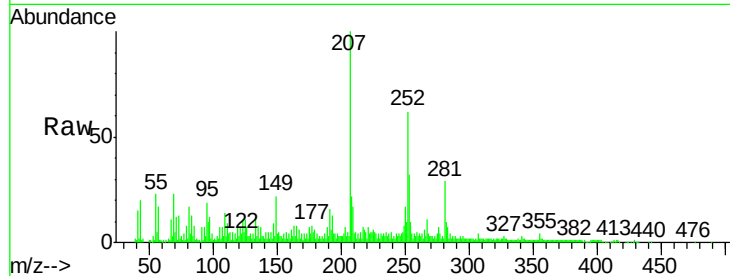
Tot Ion:252 Resp: 131555

Ion Ratio Lower Upper

252 100

253 50.8 17.5 26.3#

125 16.9 8.5 12.7#



#88

Benzo(k)fluoranthene

Concen: 4.13 ng/ul

RT: 22.96 min Scan# 3379

Delta R.T. -0.04 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

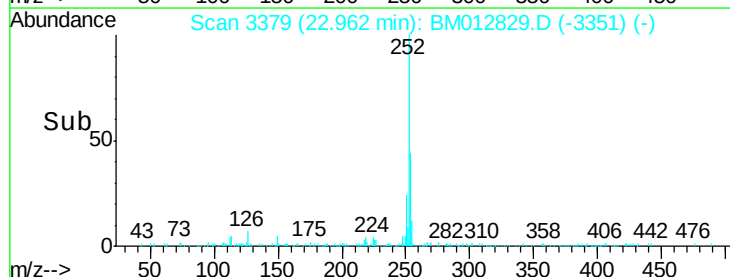
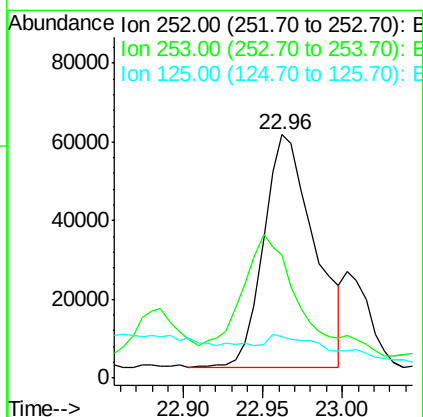
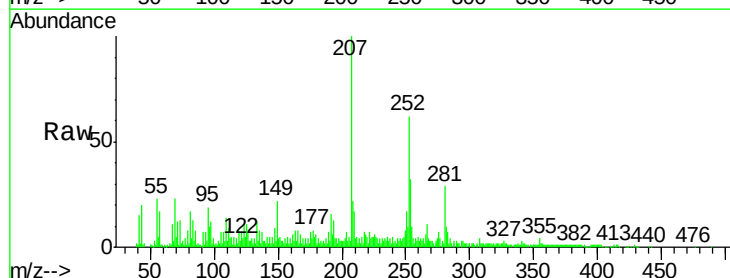
Tgt Ion:252 Resp: 131555

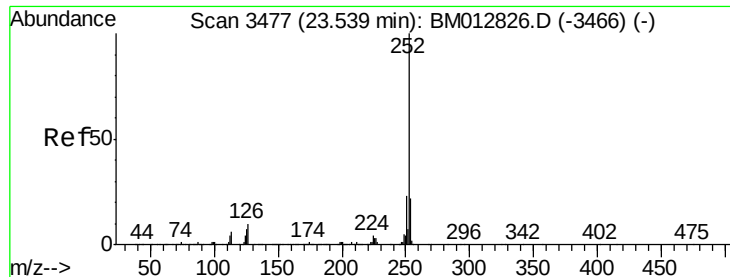
Ion Ratio Lower Upper

252 100

253 50.8 17.3 25.9#

125 16.9 8.2 12.2#





#90

Benzo(a)pyrene

Concen: 1.20 ng/ul

RT: 23.55 min Scan# 3479

Delta R.T. 0.01 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

Instrument :

BNA_M

ClientSampleId :

B-15(0.25-1.25)-101717MS

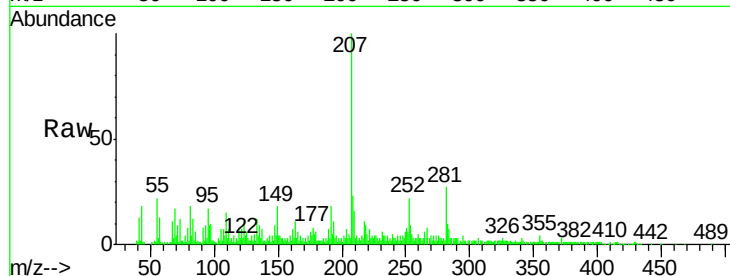
Tot Ion:252 Resp: 38199

Ion Ratio Lower Upper

252 100

253 38.5 17.2 25.8#

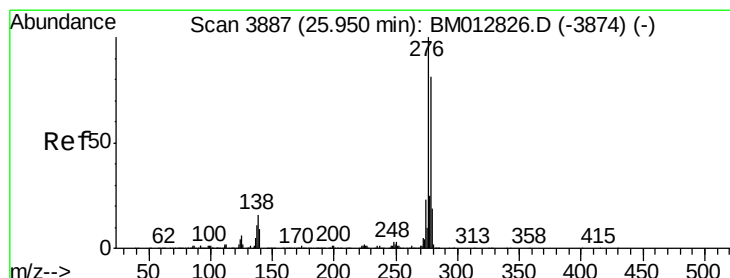
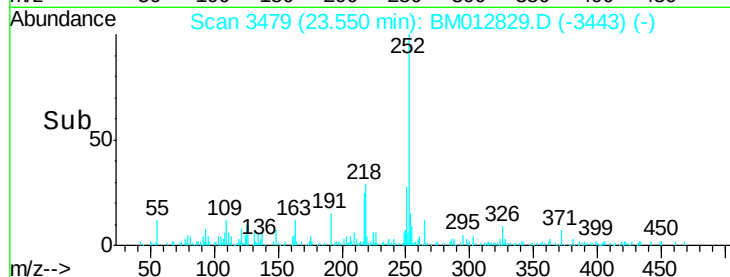
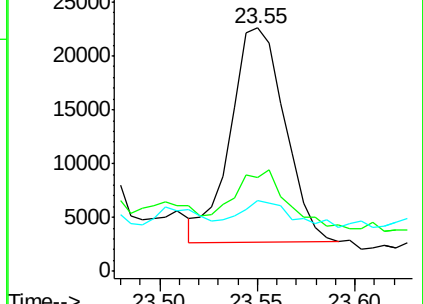
125 28.9 9.0 13.6#



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 2.47 ng/ul

RT: 25.96 min Scan# 3889

Delta R.T. 0.01 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

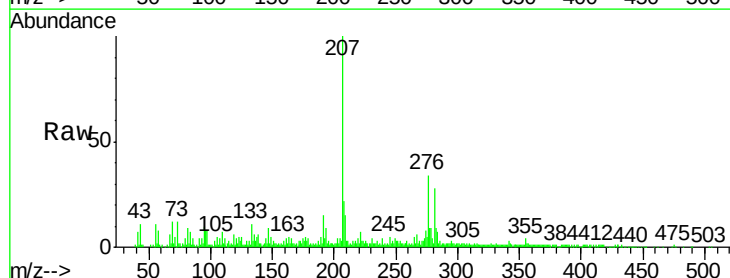
Tgt Ion:276 Resp: 95067

Ion Ratio Lower Upper

276 100

138 17.7 22.3 33.5#

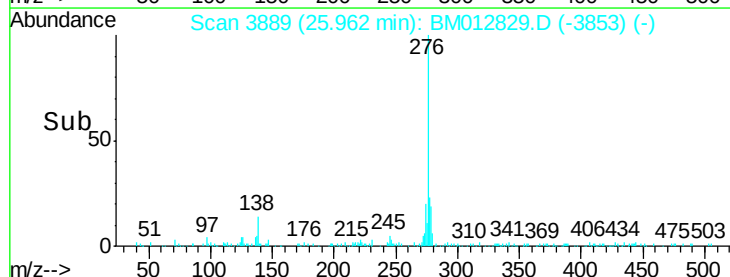
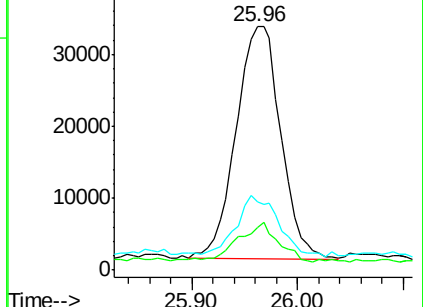
277 28.1 20.2 30.2

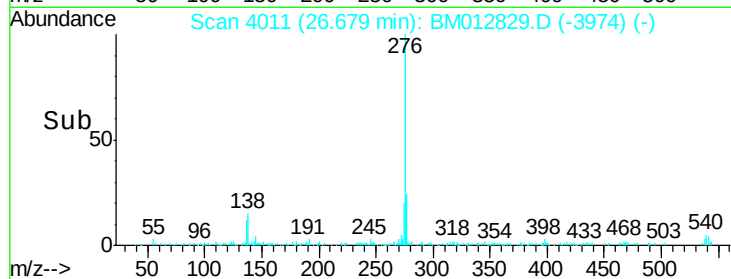
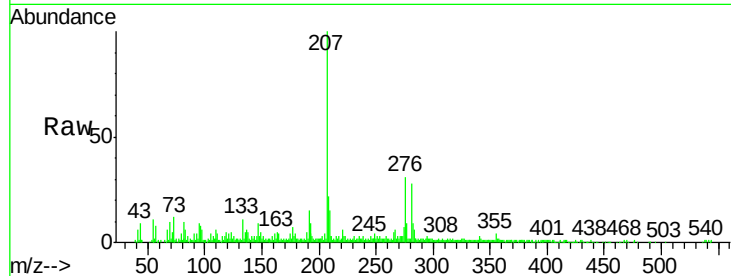
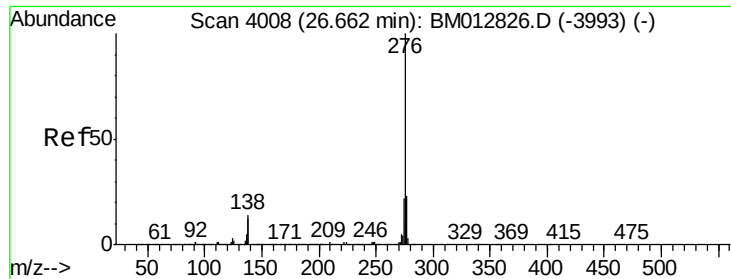


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Benzo(a,h,i)perylene

Concen: 2.93 ng/ul

RT: 26.68 min Scan# 4011

Delta R.T. 0.02 min

Lab File: BM012829.D

Acq: 08 Nov 2017 19:56

Instrument :

BNA_M

ClientSampleId :

B-15(0.25-1.25)-101717MS

Tot Ion: 276 Resp: 92796

Ion Ratio Lower Upper

276 100

138 17.2 18.9 28.3#

277 29.2 19.2 28.8#

