

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM030519\
 Data File : BM019049.D
 Acq On : 05 Mar 2019 22:45
 Operator : JU/SJ
 Sample : K1705-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EXT-028-SW003-022719

Quant Time: Mar 06 05:59:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 05 03:36:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	307594	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1146691	20.00	ng	0.00
39) Acenaphthene-d10	14.33	164	583063	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	1140786	20.00	ng	0.00
76) Chrysene-d12	21.28	240	999375	20.00	ng	0.00
87) Perylene-d12	23.52	264	1125547	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	1428585	76.10	ng	0.00
7) Phenol-d6	6.85	99	1938954	73.32	ng	0.00
23) Nitrobenzene-d5	8.85	82	1208334	48.72	ng	0.00
42) 2,4,6-Tribromophenol	15.83	330	567047	67.47	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	2024899	46.10	ng	-0.01
79) Terphenyl-d14	19.72	244	2184019	45.08	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.20	88	720	0.088	ng	# 9
3) Pyridine	3.59	79	114	0.005	ng	# 1
4) n-Nitrosodimethylamine	3.57	42	184	0.032	ng	# 1
8) 2-Chlorophenol	7.24	128	116	0.006	ng	# 1
9) Benzaldehyde	6.85	77	6121	Below Cal		# 7
10) Phenol	6.88	94	118319	4.252	ng	# 93
15) Benzyl Alcohol	7.99	79	21023	1.000	ng	# 52
16) 2,2'-oxybis(1-Chloropropan	8.22	45	114	0.006	ng	# 53
22) Acetophenone	8.52	105	108	0.003	ng	# 1
24) Nitrobenzene	8.84	77	4575	0.178	ng	# 43
25) Isophorone	9.41	82	417	0.011	ng	# 68
31) Naphthalene	10.52	128	1940	0.035	ng	# 68
37) 2-Methylnaphthalene	12.14	142	419	0.011	ng	# 66
38) 1-Methylnaphthalene	12.36	142	476	0.012	ng	# 74
46) 1,1'-Biphenyl	13.16	154	2942	0.059	ng	# 97
49) Acenaphthylene	14.05	152	2463	0.043	ng	# 87
50) Dimethylphthalate	13.79	163	104617	2.153	ng	# 97
52) Acenaphthene	14.39	154	741	0.021	ng	# 96
55) Dibenzofuran	14.73	168	913	0.016	ng	# 44
58) Fluorene	15.39	166	1031	0.023	ng	# 72
60) Diethylphthalate	15.16	149	1751	0.035	ng	# 70
63) Azobenzene	15.67	77	161	0.003	ng	# 14
71) Phenanthrene	17.12	178	24039	0.392	ng	# 98
72) Anthracene	17.22	178	4450	0.075	ng	# 87
73) Carbazole	17.51	167	1955	0.031	ng	# 71
74) Di-n-butylphthalate	18.05	149	8312	0.116	ng	# 96
75) Fluoranthene	19.15	202	37734	0.533	ng	# 93
78) Pyrene	19.52	202	37734	0.650	ng	# 99
80) Butylbenzylphthalate	20.42	149	1658	0.063	ng	# 95
81) Benzo(a)anthracene	21.26	228	25163	0.432	ng	# 97
82) 3,3'-Dichlorobenzidine	21.21	252	658	0.029	ng	# 26
83) Chrysene	21.32	228	22662	0.406	ng	# 99
84) Bis(2-ethylhexyl)phthalate	21.19	149	58256	1.505	ng	# 99
85) Di-n-octyl phthalate	22.06	149	1074	0.017	ng	# 1

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QLast Update : Tue Mar 05 03:36:13 2019
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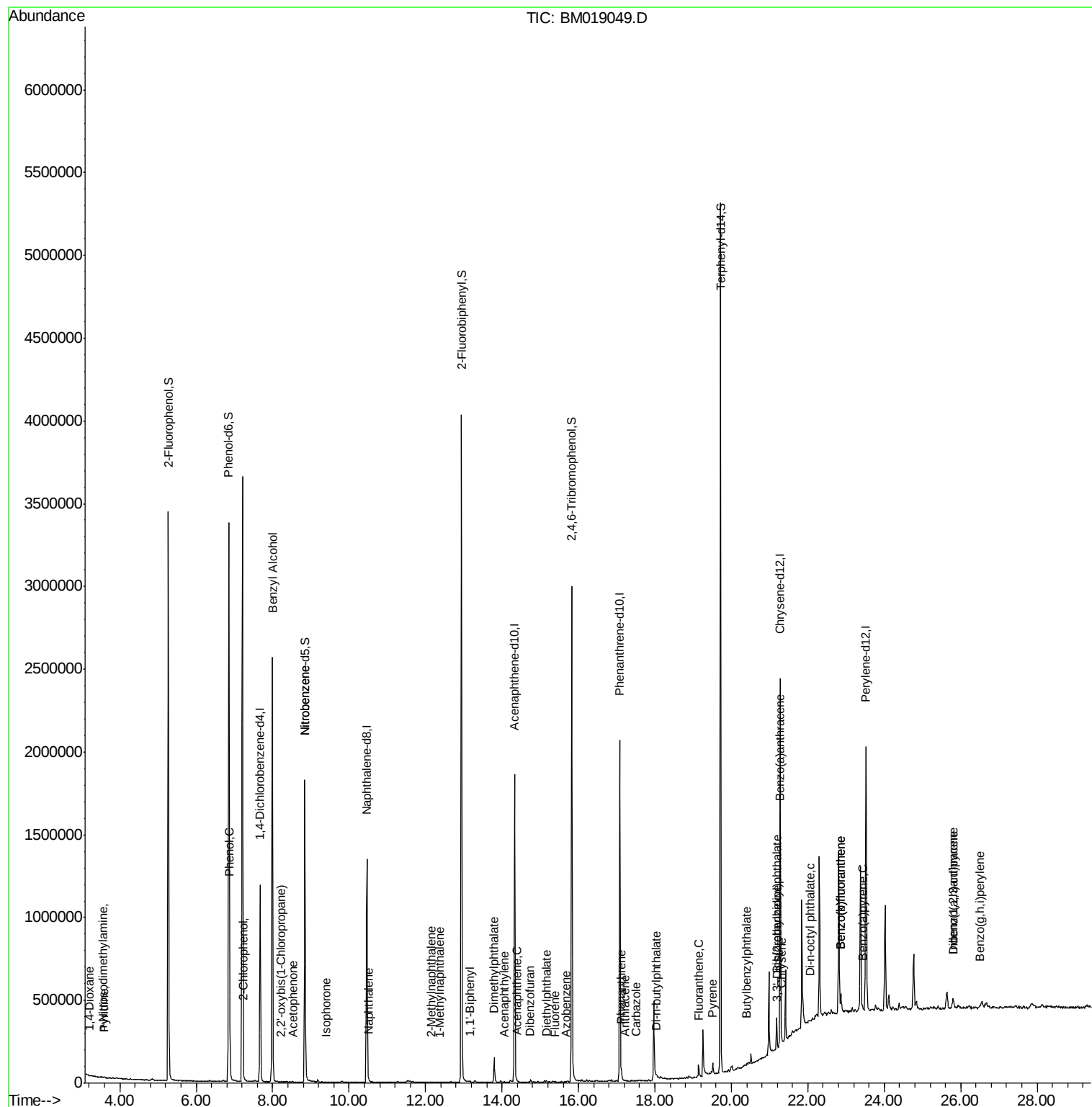
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Indeno(1,2,3-cd)pyrene	25.80	276	19979	0.310	ng	94
88) Benzo(b)fluoranthene	22.86	252	43927	0.682	ng #	85
89) Benzo(k)fluoranthene	22.86	252	43255	0.675	ng #	85
90) Benzo(a)pyrene	23.43	252	23274	0.382	ng #	88
91) Dibenzo(a,h)anthracene	25.80	278	6334	0.105	ng #	26
92) Benzo(g,h,i)perylene	26.49	276	21092	0.375	ng	95

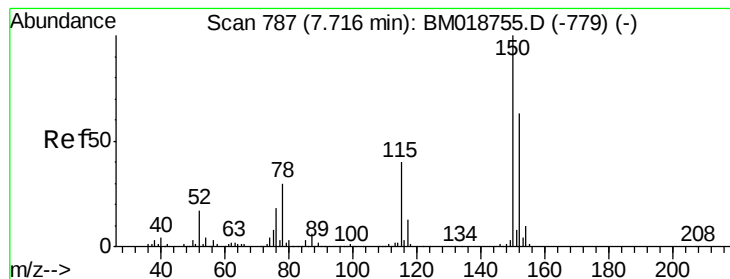
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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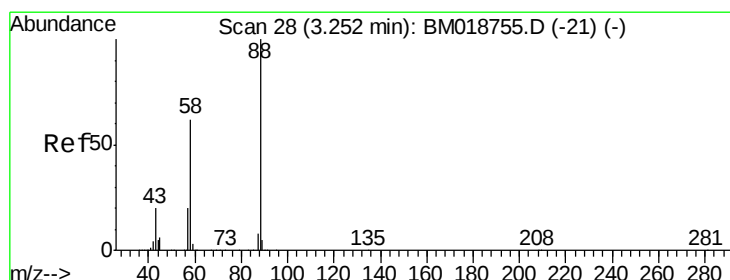
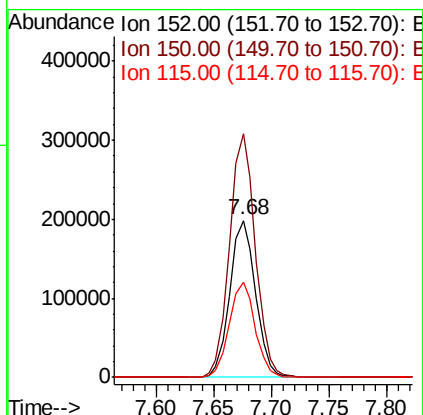
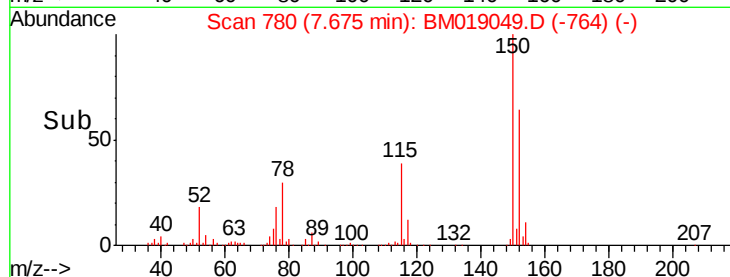
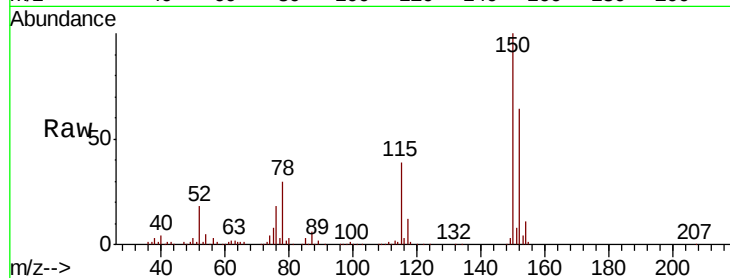


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 780
Delta R.T. -0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

Instrument :
BNA_M
ClientSampleId :
EXT-028-SW003-022719

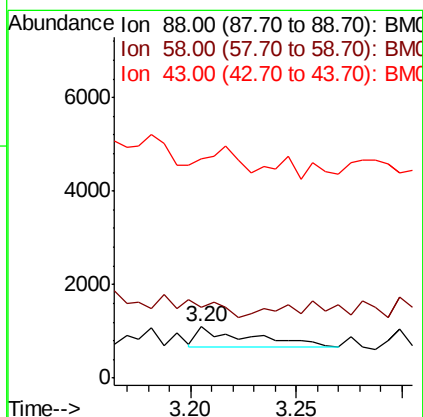
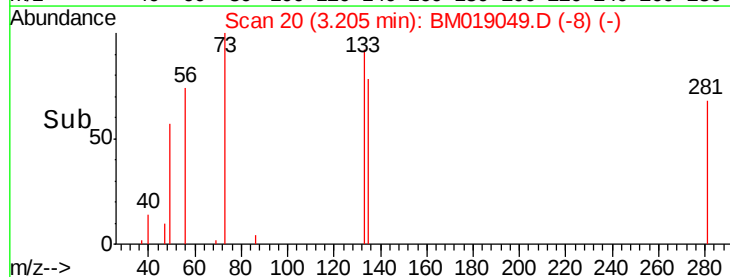
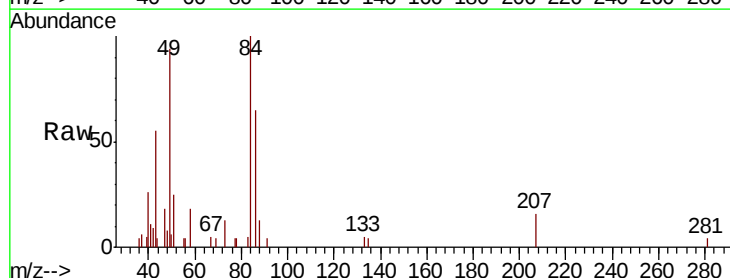
Tgt Ion:152 Resp: 307594
Ion Ratio Lower Upper
152 100
150 155.4 127.3 190.9
115 60.3 50.8 76.2

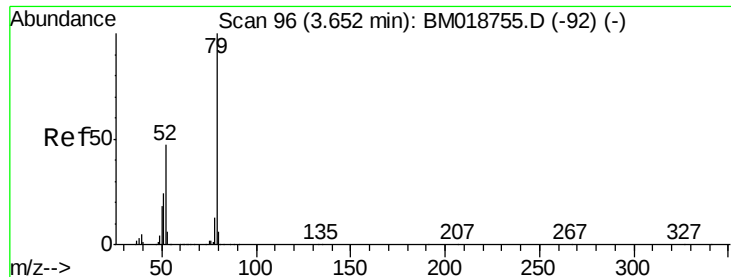


#2

1,4-Dioxane
Concen: 0.088 ng
RT: 3.20 min Scan# 20
Delta R.T. -0.03 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

Tgt Ion: 88 Resp: 720
Ion Ratio Lower Upper
88 100
58 0.0 49.8 74.6#
43 78.6 16.7 25.1#





#3

Pyridine

Concen: 0.005 ng

RT: 3.59 min Scan# 86

Delta R.T. -0.04 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

Instrument :

BNA_M

ClientSampleId :

EXT-028-SW003-022719

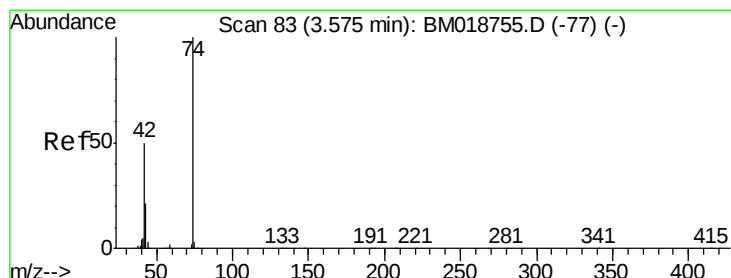
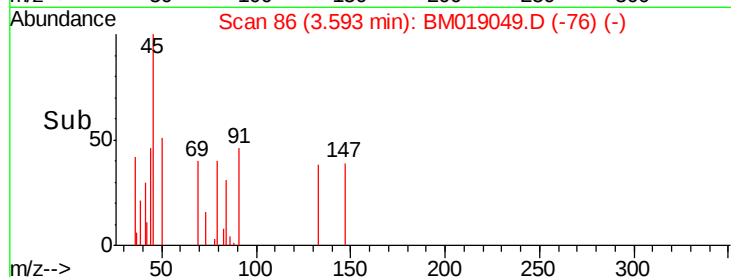
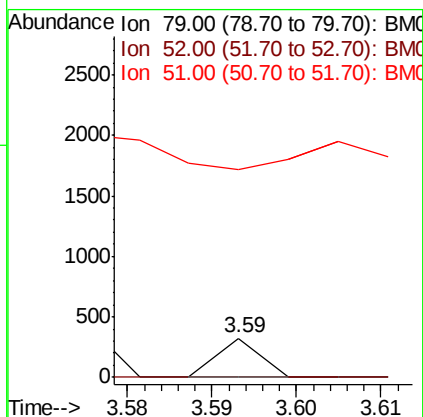
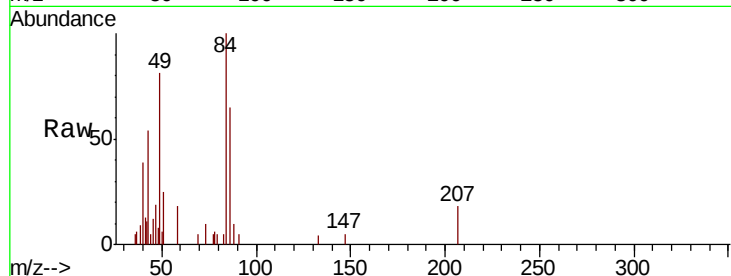
Tgt Ion: 79 Resp: 114

Ion Ratio Lower Upper

79 100

52 0.0 37.6 56.4#

51 533.2 19.7 29.5#



#4

n-Nitrosodimethylamine

Concen: 0.032 ng

RT: 3.57 min Scan# 82

Delta R.T. 0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

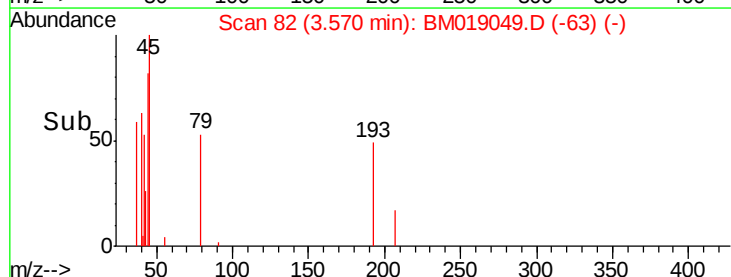
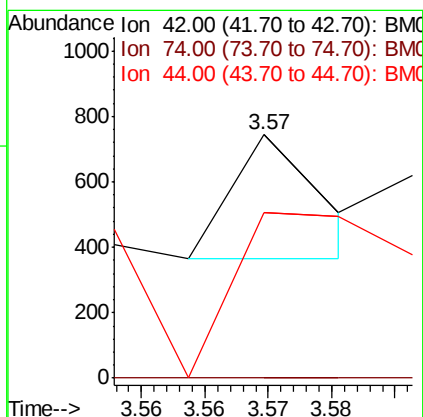
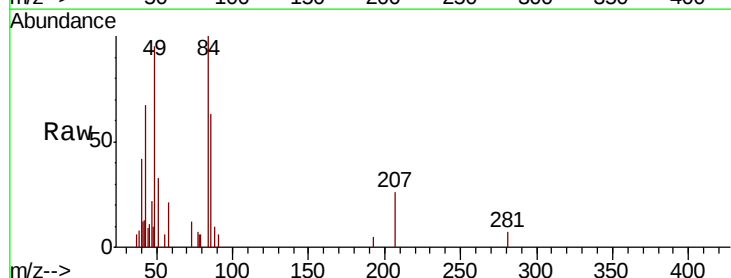
Tgt Ion: 42 Resp: 184

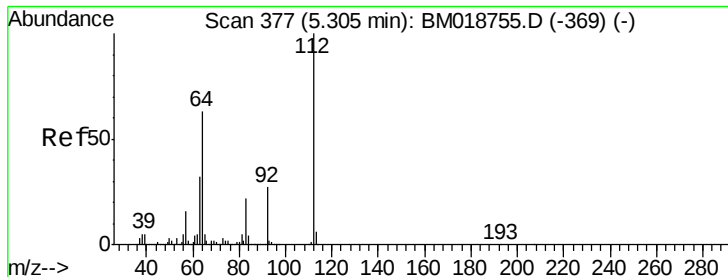
Ion Ratio Lower Upper

42 100

74 0.0 158.1 237.1#

44 68.0 4.9 7.3#





#5

2-Fluorophenol

Concen: 76.097 ng

RT: 5.27 min Scan# 371

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

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ClientSampleId :

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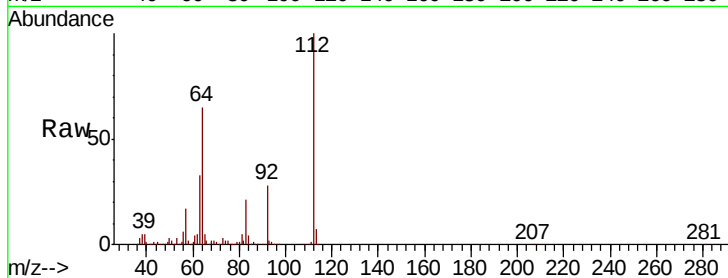
Tgt Ion:112 Resp: 1428585

Ion Ratio Lower Upper

112 100

64 64.8 50.6 75.8

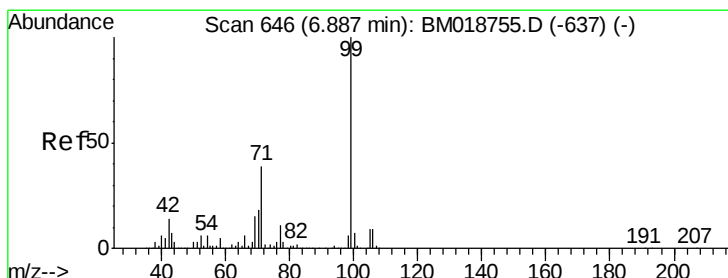
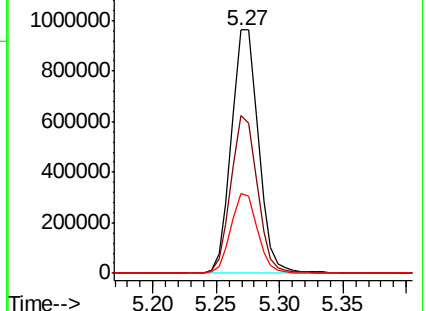
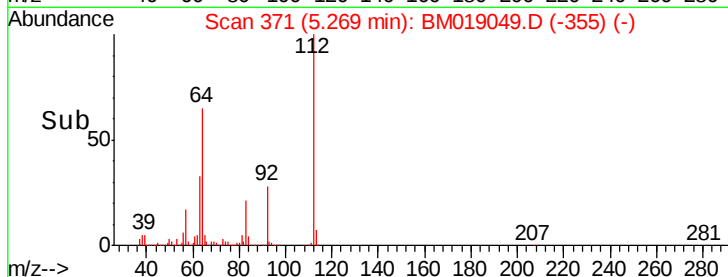
63 32.6 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#7

Phenol-d6

Concen: 73.315 ng

RT: 6.85 min Scan# 640

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

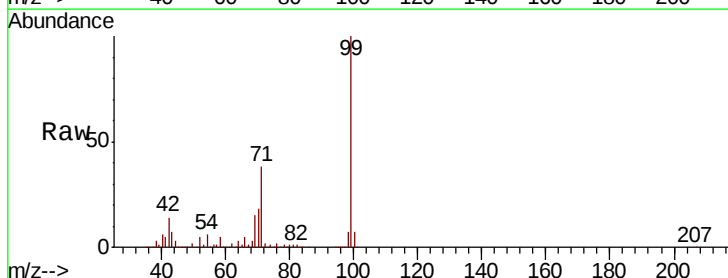
Tgt Ion: 99 Resp: 1938954

Ion Ratio Lower Upper

99 100

42 13.9 11.0 16.6

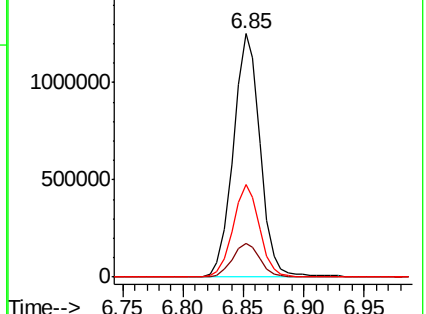
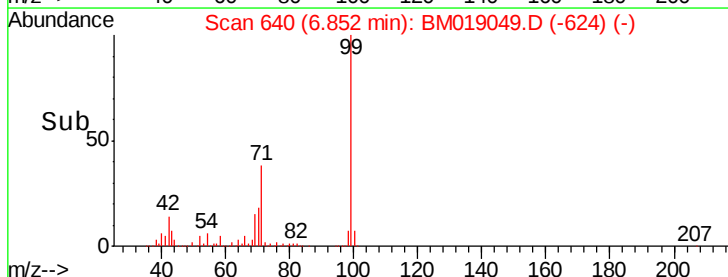
71 37.8 31.3 46.9

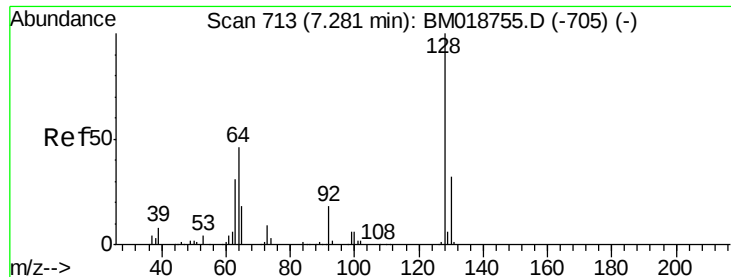


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#8

2-Chlorophenol

Concen: 0.006 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

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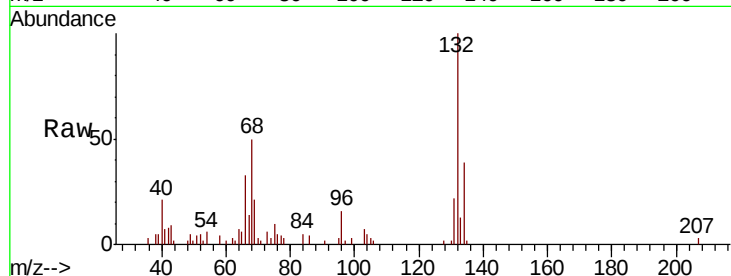
Tgt Ion:128 Resp: 116

Ion Ratio Lower Upper

128 100

130 98.5 11.7 51.7#

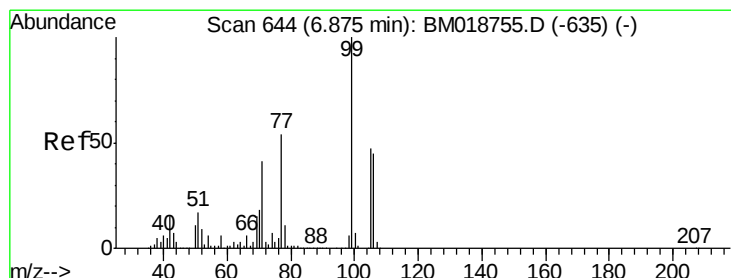
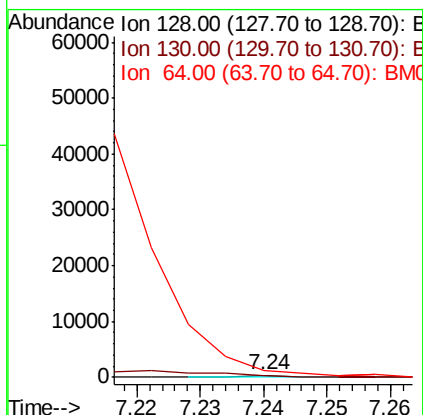
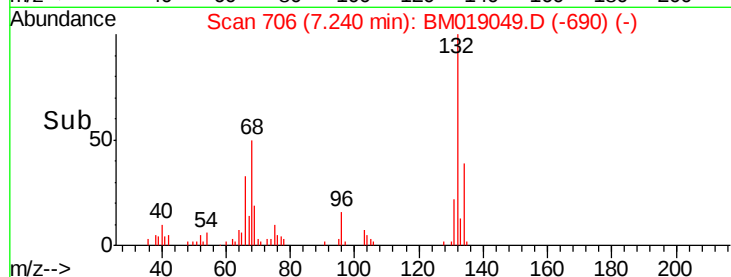
64 370.3 31.0 71.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



#9

Benzaldehyde

Concen: Below Cal

RT: 6.85 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

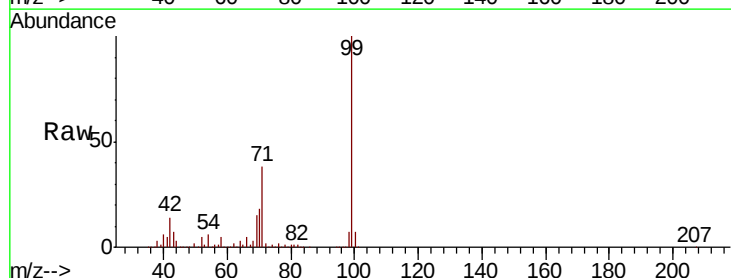
Tgt Ion: 77 Resp: 6121

Ion Ratio Lower Upper

77 100

105 0.0 67.3 107.3#

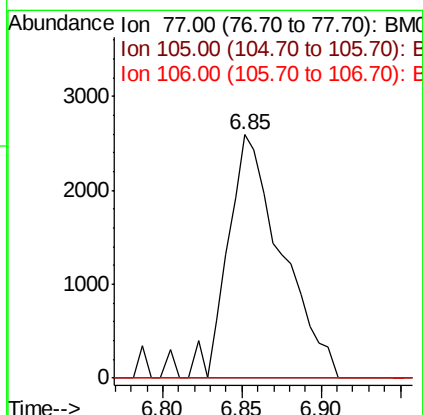
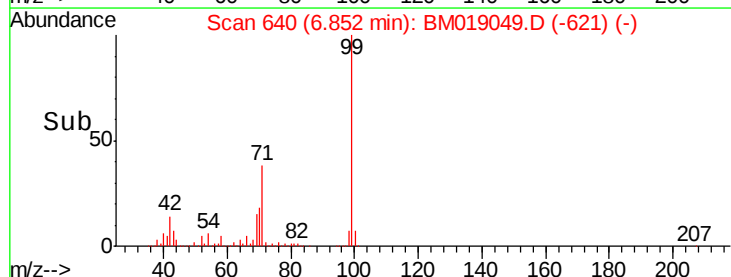
106 0.0 62.9 102.9#

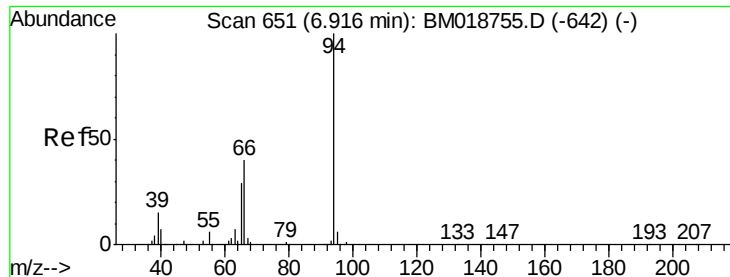


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.252 ng

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

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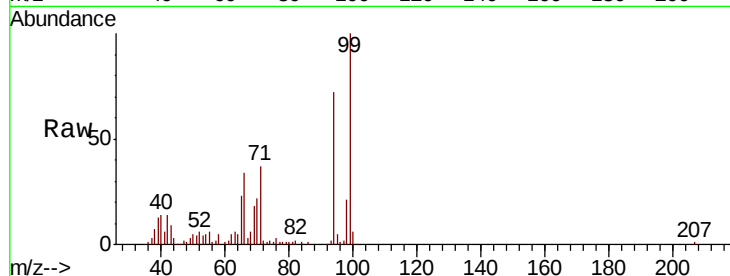
Tgt Ion: 94 Resp: 118319

Ion Ratio Lower Upper

94 100

65 31.7 9.6 49.6

66 46.5 20.4 60.4

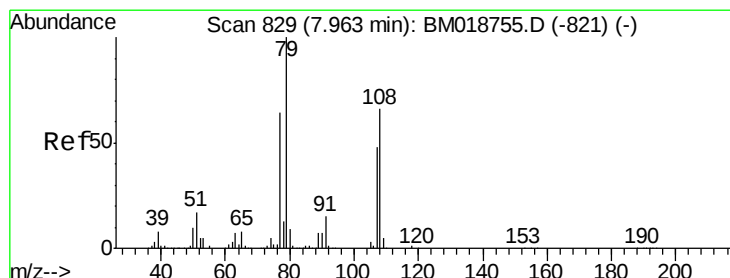
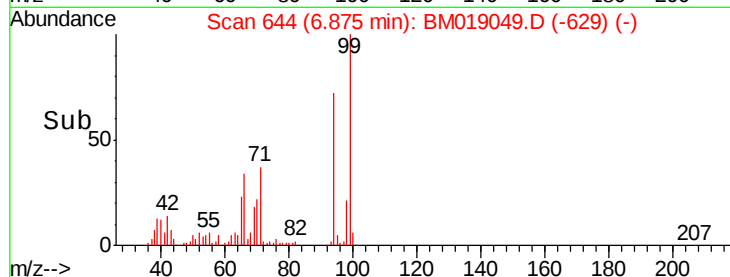
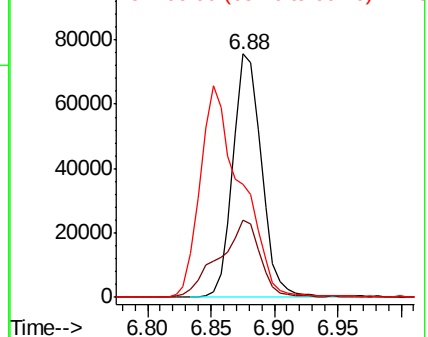


Abundance

Ion 94.00 (93.70 to 94.70): BM018755.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BM018755.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BM018755.D (-642) (-)



#15

Benzyl Alcohol

Concen: 1.000 ng

RT: 7.99 min Scan# 833

Delta R.T. 0.05 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

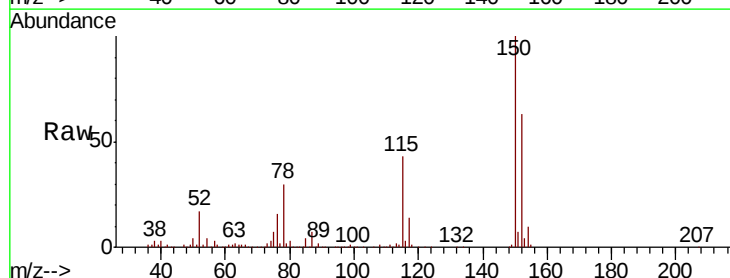
Tgt Ion: 79 Resp: 21023

Ion Ratio Lower Upper

79 100

108 32.2 52.7 79.1#

77 106.3 51.0 76.4#

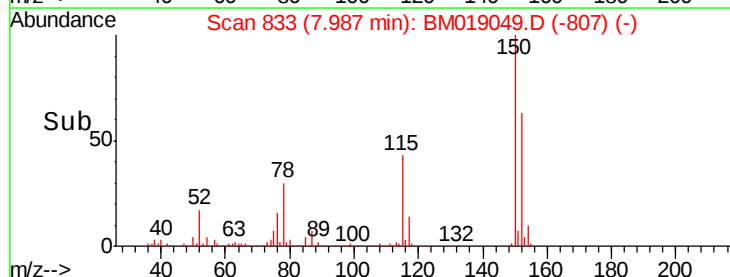
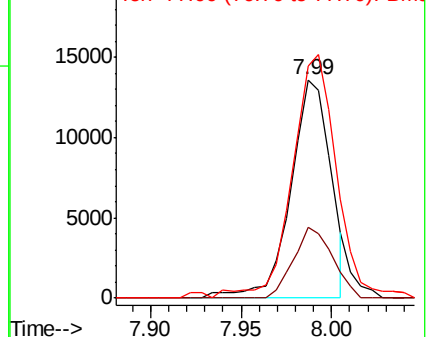


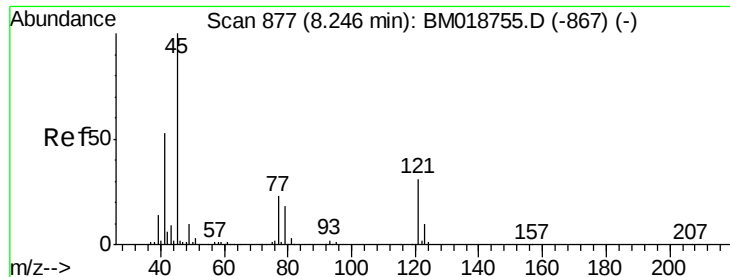
Abundance

Ion 79.00 (78.70 to 79.70): BM018755.D (-821) (-)

Ion 108.00 (107.70 to 108.70): BM018755.D (-821) (-)

Ion 77.00 (76.70 to 77.70): BM018755.D (-821) (-)

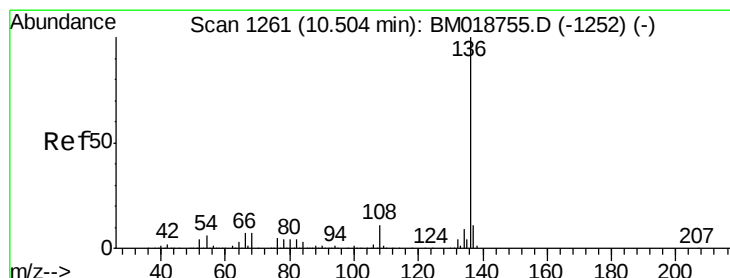
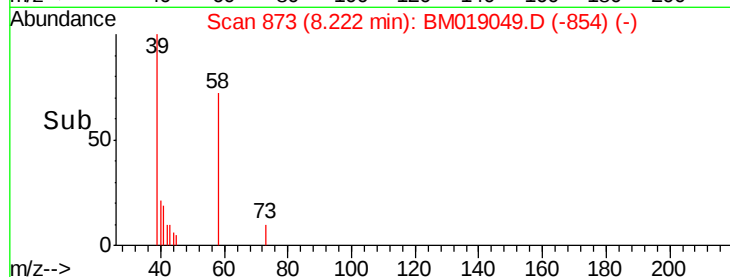
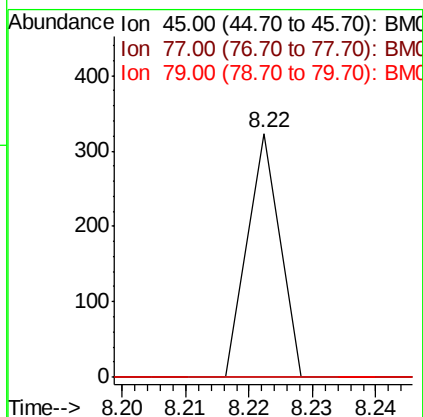
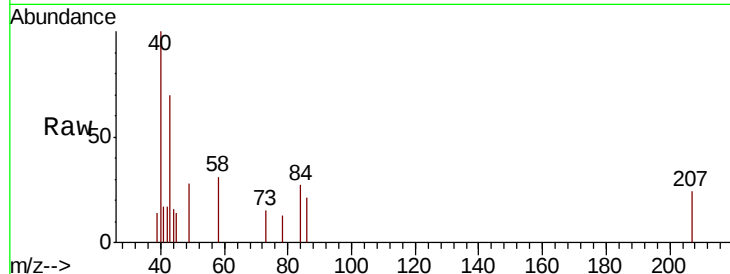




#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.006 ng
RT: 8.22 min Scan# 873
Delta R.T. 0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

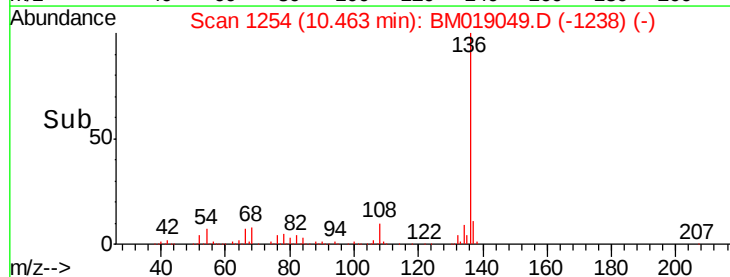
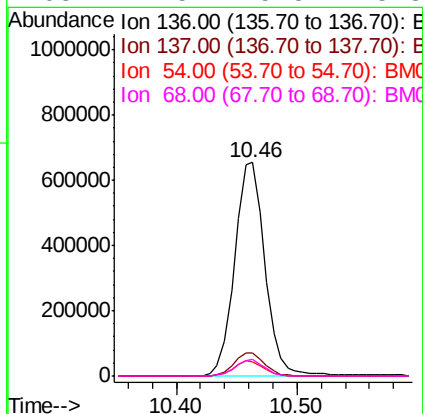
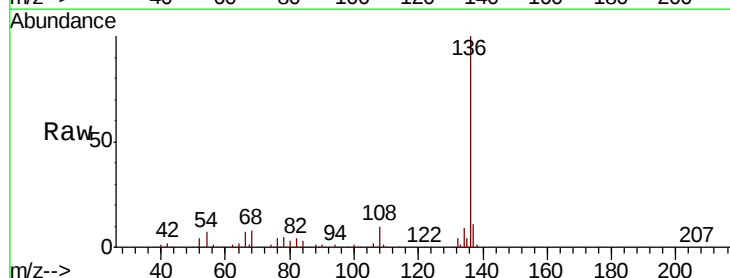
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EXT-028-SW003-022719

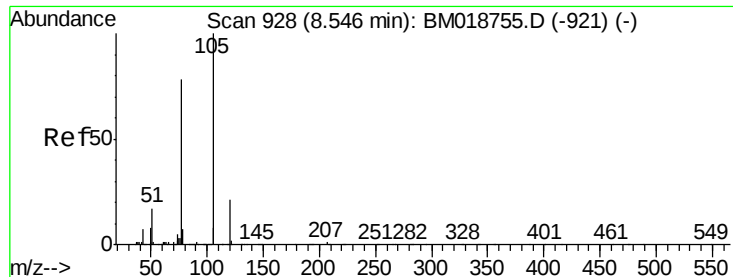
Tgt Ion: 45 Resp: 114
Ion Ratio Lower Upper
45 100
77 0.0 5.0 45.0#
79 0.0 0.0 39.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

Tgt Ion: 136 Resp: 1146691
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.6 5.0 7.6
68 7.5 5.5 8.3





#22

Acetophenone

Concen: 0.003 ng

RT: 8.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

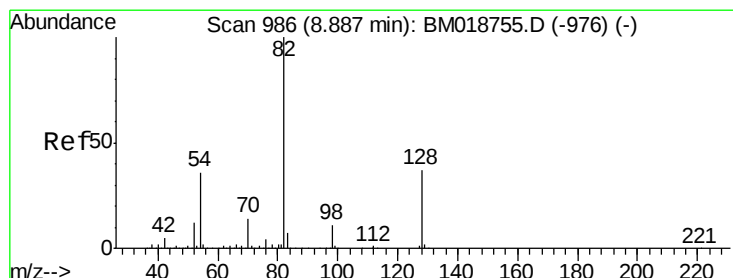
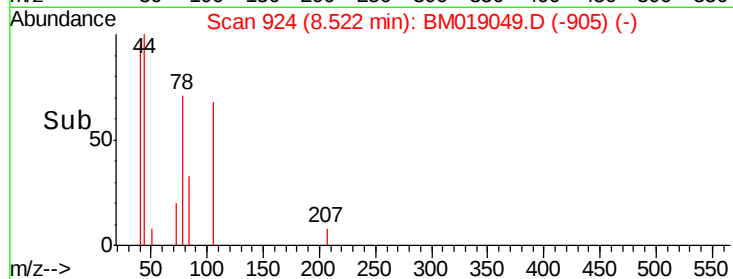
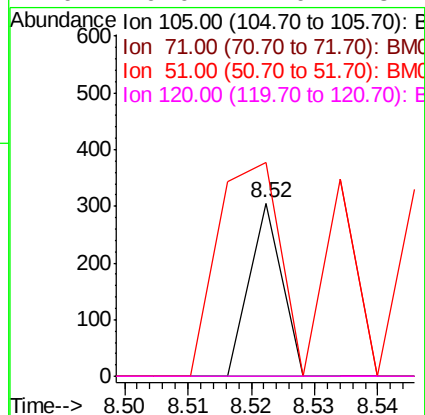
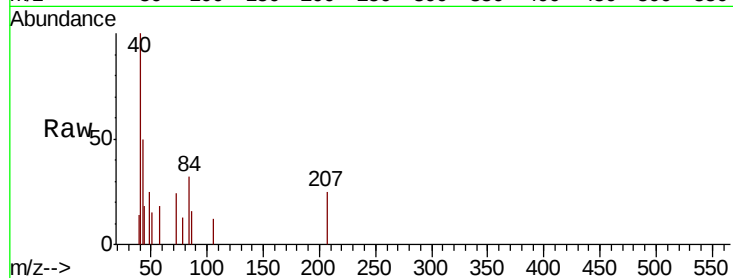
Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:	105	Resp:	108
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.1	1.7#
51	123.2	15.5	23.3#
120	0.0	17.0	25.4#



#23

Nitrobenzene-d5

Concen: 48.724 ng

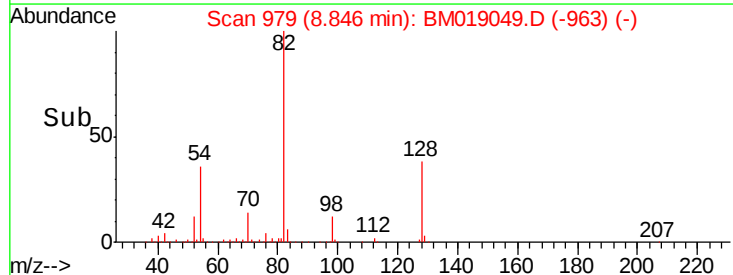
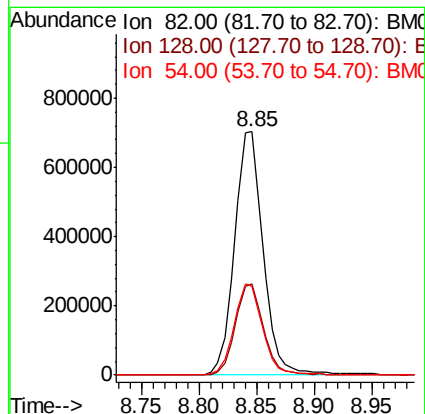
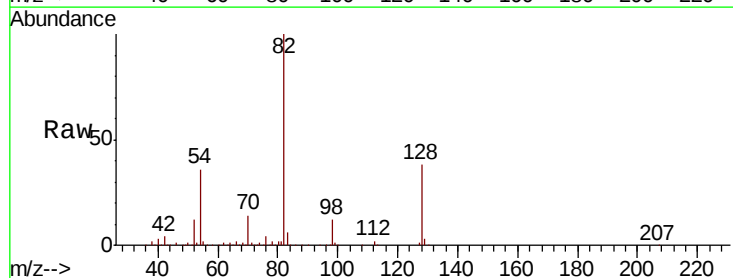
RT: 8.85 min Scan# 979

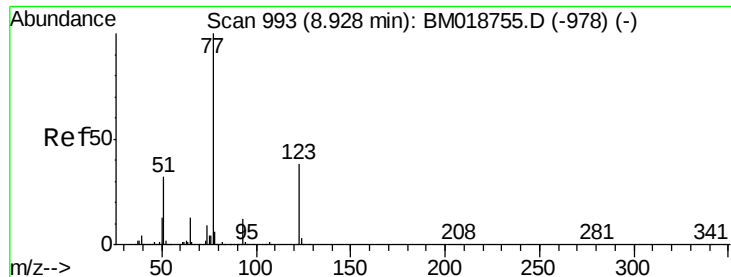
Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

Tgt Ion:	82	Resp:	1208334
Ion	Ratio	Lower	Upper
82	100		
128	37.6	29.9	44.9
54	36.2	29.1	43.7

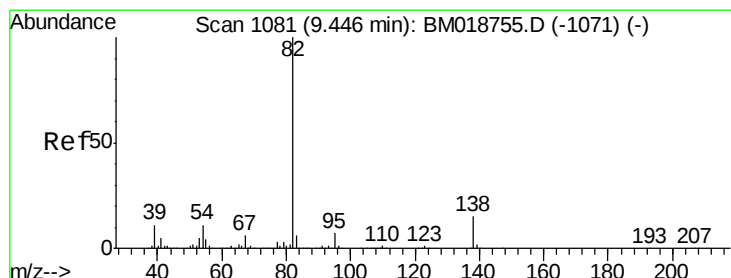
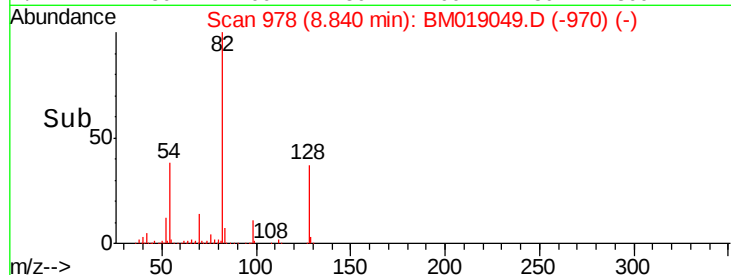
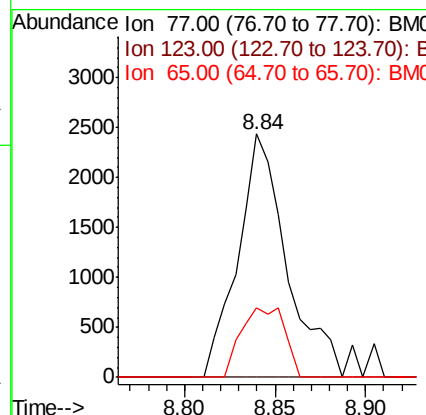
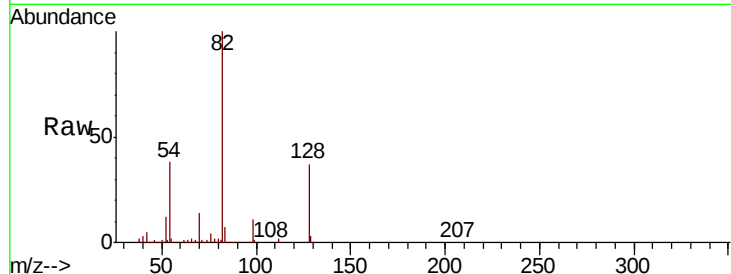




#24
 Nitrobenzene
 Concen: 0.178 ng
 RT: 8.84 min Scan# 978
 Delta R.T. -0.05 min
 Lab File: BM019049.D
 Acq: 05 Mar 2019 22:45

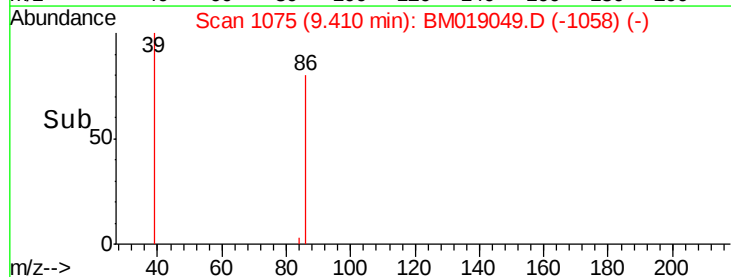
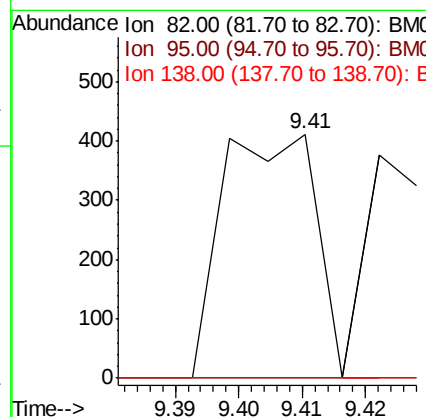
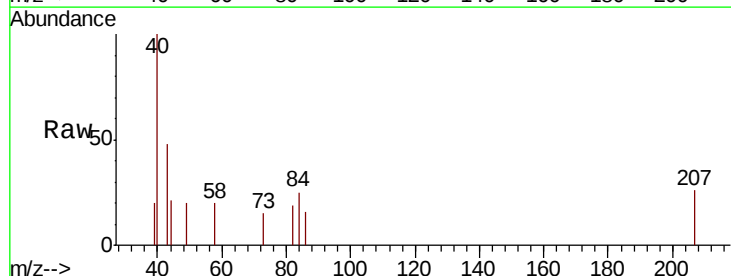
Instrument :
 BNA_M
 ClientSampleId :
 EXT-028-SW003-022719

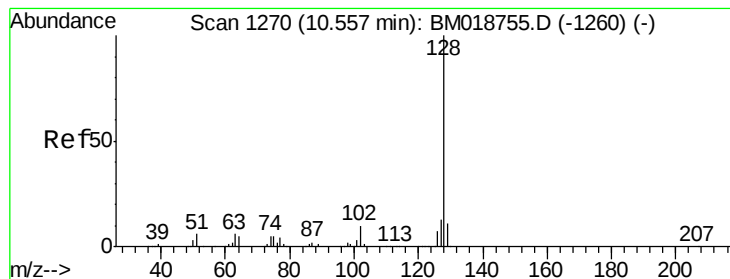
Tgt Ion: 77 Resp: 4575
 Ion Ratio Lower Upper
 77 100
 123 0.0 30.7 46.1#
 65 28.7 10.5 15.7#



#25
 Isophorone
 Concen: 0.011 ng
 RT: 9.41 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: BM019049.D
 Acq: 05 Mar 2019 22:45

Tgt Ion: 82 Resp: 417
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 12.3 18.5#

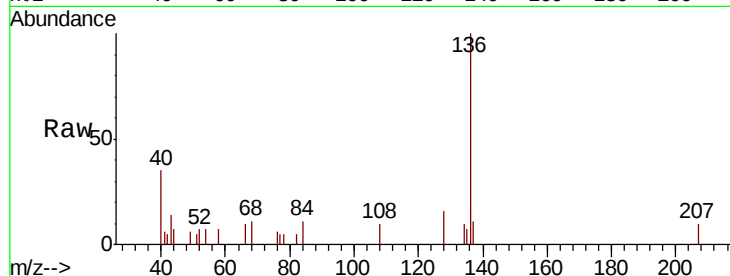




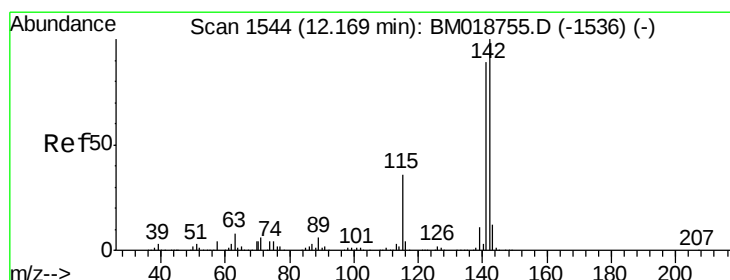
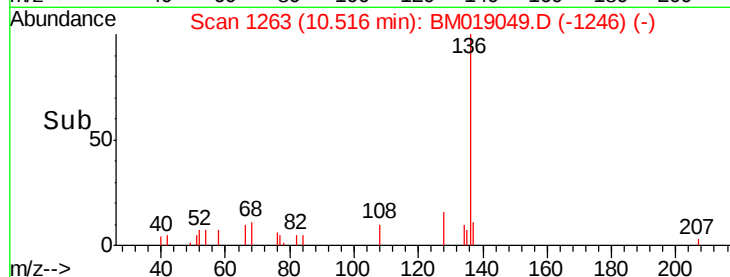
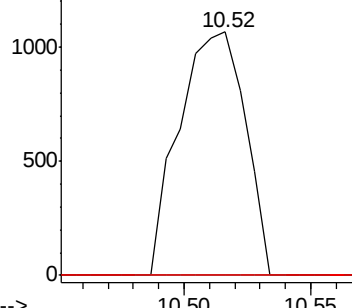
#31
Naphthalene
Concen: 0.035 ng
RT: 10.52 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

Instrument :
BNA_M
ClientSampleId :
EXT-028-SW003-022719

Tgt Ion:128 Resp: 1940
Ion Ratio Lower Upper
128 100
129 0.0 9.0 13.4#
127 0.0 10.7 16.1#

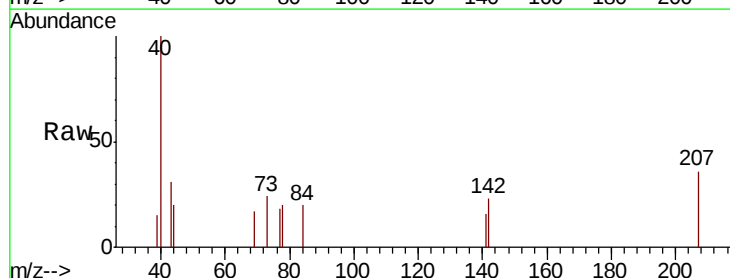


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

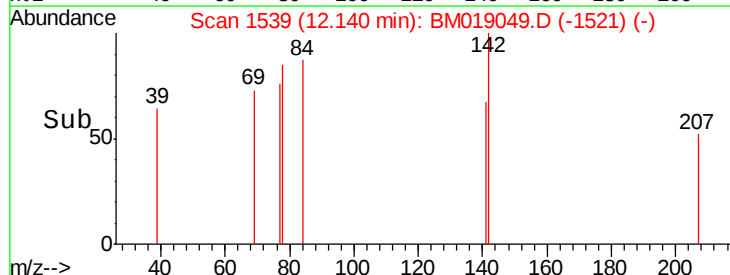
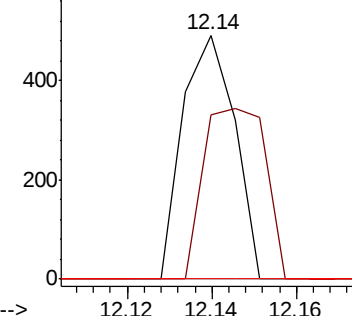


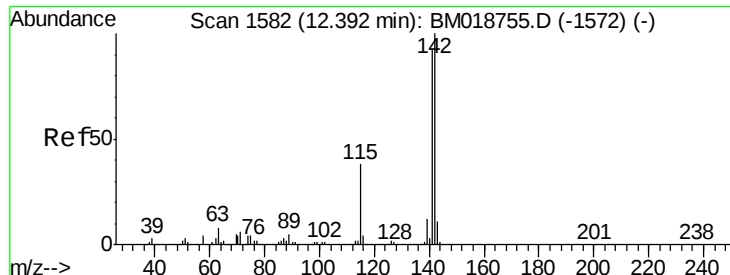
#37
2-Methylnaphthalene
Concen: 0.011 ng
RT: 12.14 min Scan# 1539
Delta R.T. 0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

Tgt Ion:142 Resp: 419
Ion Ratio Lower Upper
142 100
141 67.2 71.2 106.8#
115 0.0 29.1 43.7#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

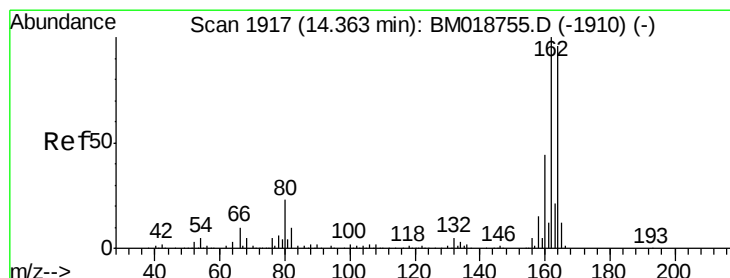
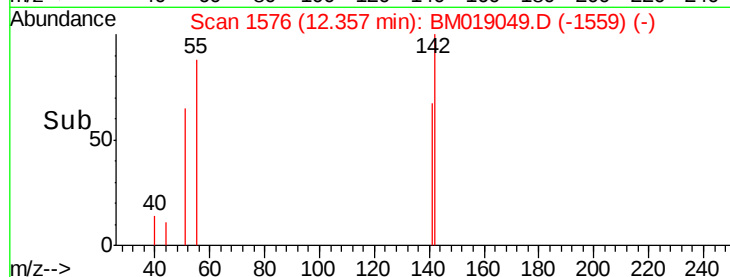
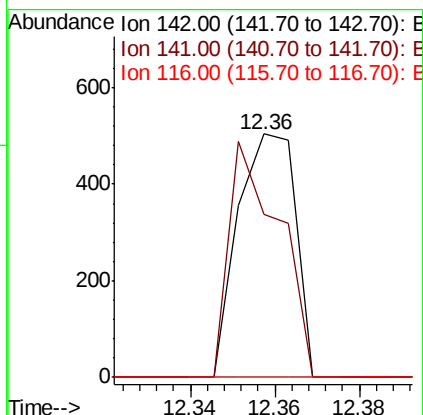
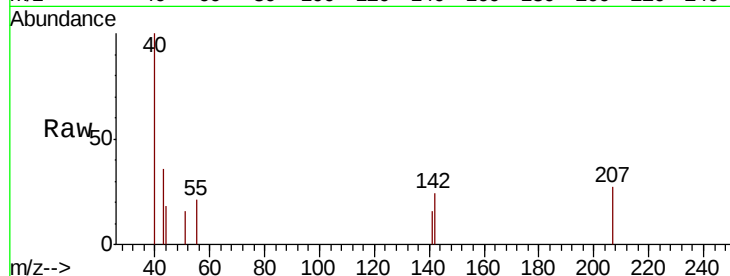




#38
1-Methylnaphthalene
Concen: 0.012 ng
RT: 12.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

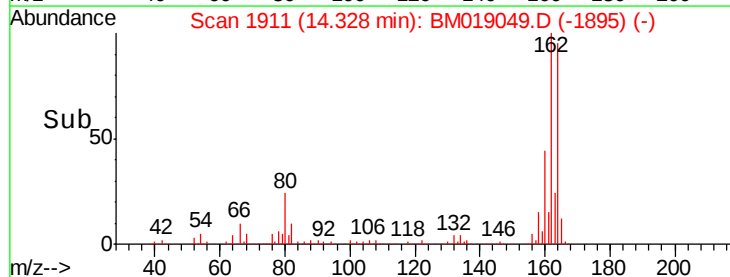
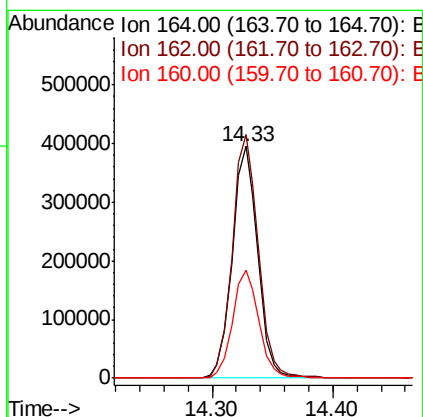
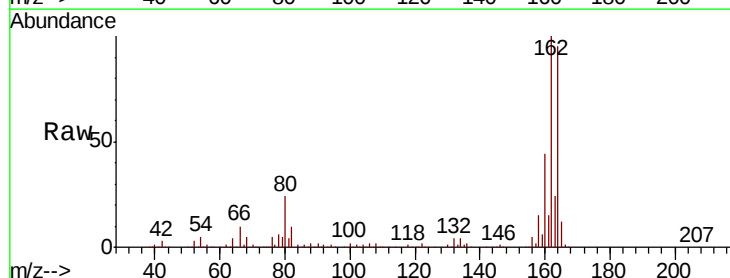
Instrument :
BNA_M
ClientSampleId :
EXT-028-SW003-022719

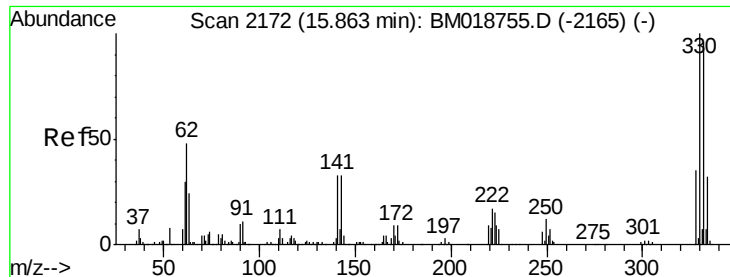
Tgt Ion:142 Resp: 476
Ion Ratio Lower Upper
142 100
141 66.9 73.9 110.9#
116 0.0 3.0 4.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1911
Delta R.T. -0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

Tgt Ion:164 Resp: 583063
Ion Ratio Lower Upper
164 100
162 105.0 83.4 125.0
160 46.6 36.6 55.0





#42

2,4,6-Tribromophenol

Concen: 67.468 ng

RT: 15.83 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

Instrument :

BNA_M

ClientSampleId :

EXT-028-SW003-022719

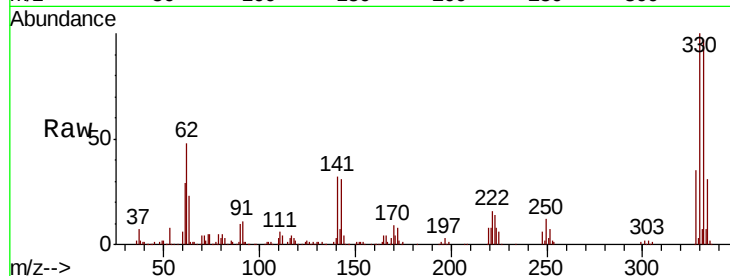
Tgt Ion:330 Resp: 567047

Ion Ratio Lower Upper

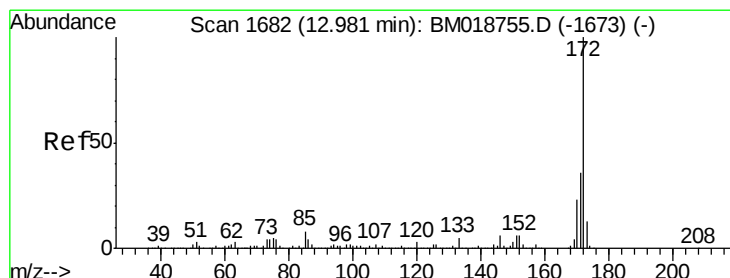
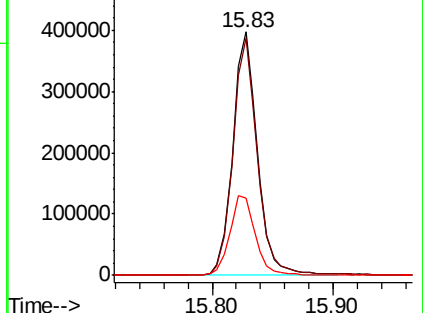
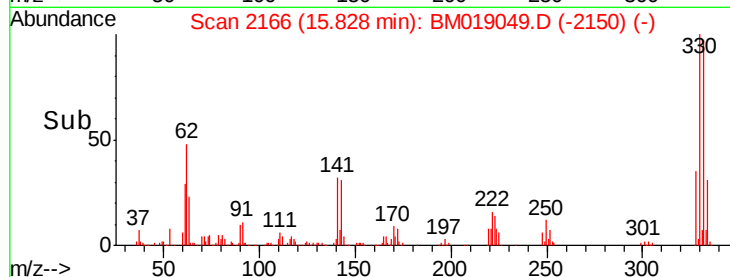
330 100

332 96.6 76.9 115.3

141 34.3 28.7 43.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 46.101 ng

RT: 12.94 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

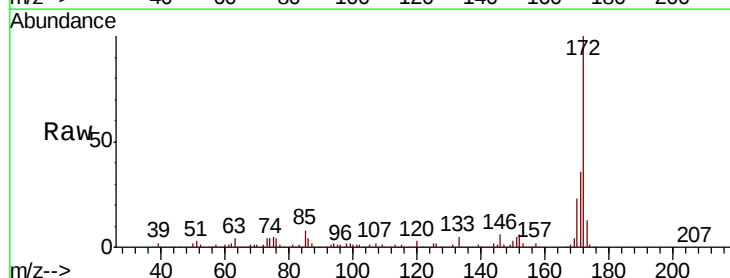
Tgt Ion:172 Resp: 2024899

Ion Ratio Lower Upper

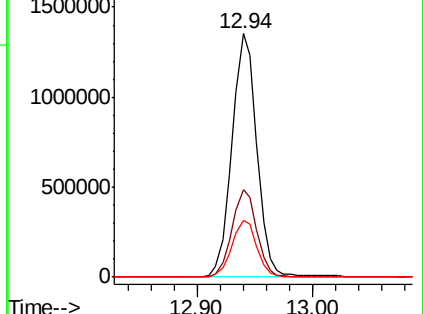
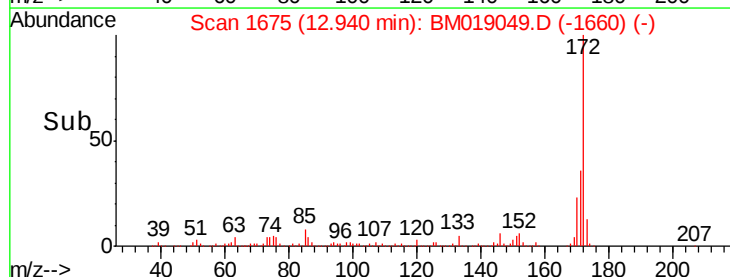
172 100

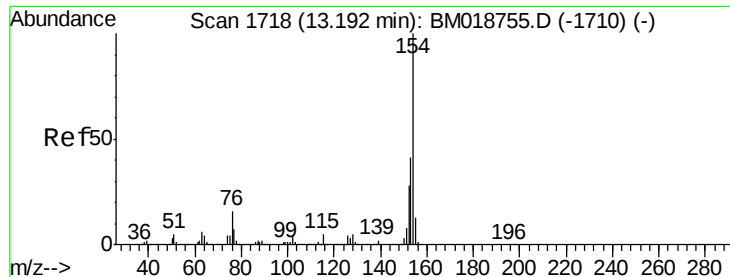
171 36.0 29.0 43.6

170 23.1 18.6 28.0



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

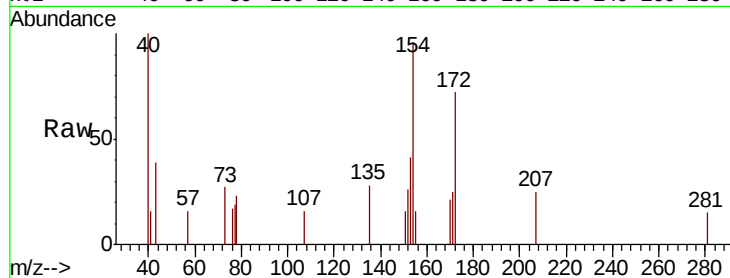




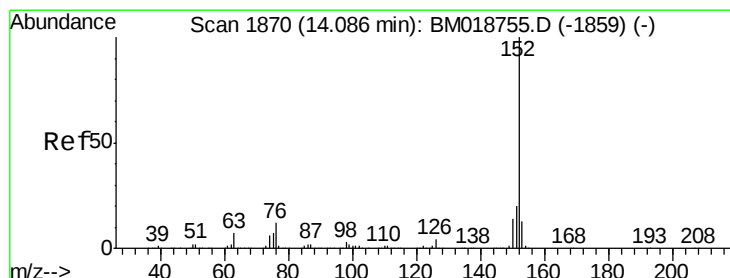
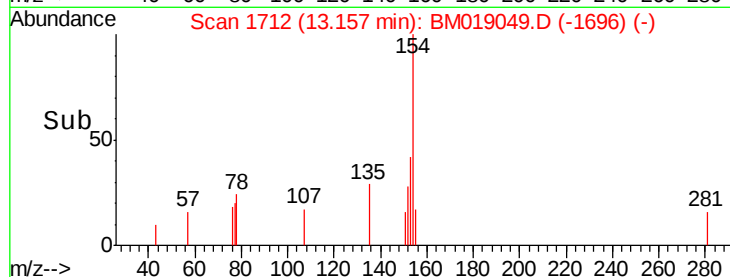
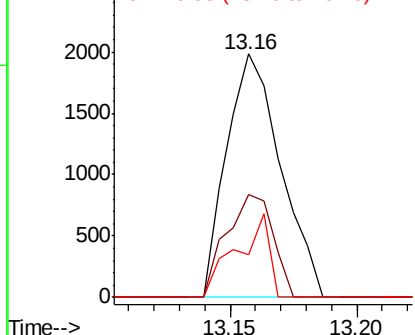
#46
1,1'-Biphenyl
Concen: 0.059 ng
RT: 13.16 min Scan# 1712
Delta R.T. -0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

Instrument :
BNA_M
ClientSampleId :
EXT-028-SW003-022719

Tgt Ion:154 Resp: 2942
Ion Ratio Lower Upper
154 100
153 42.4 21.1 61.1
76 17.7 0.0 35.7

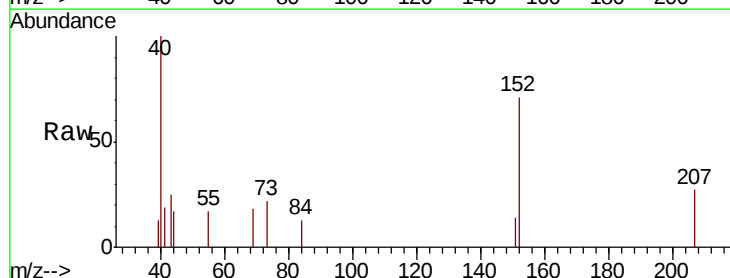


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM

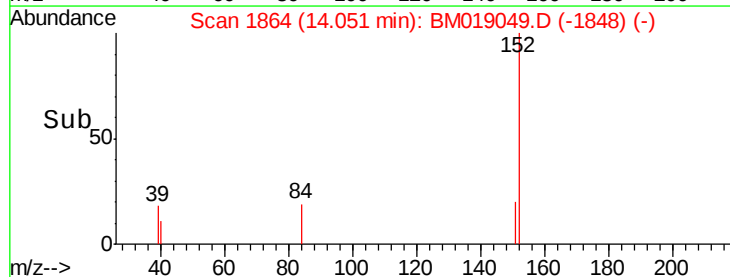
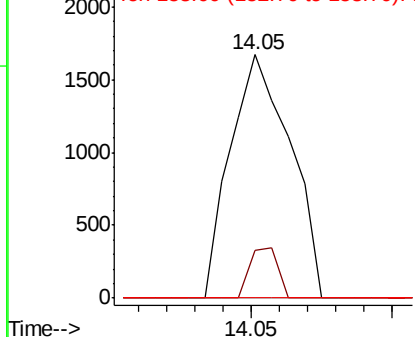


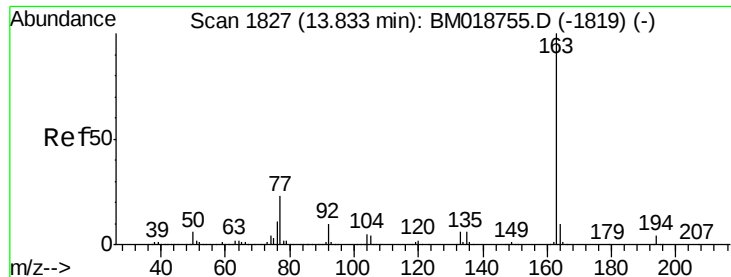
#49
Acenaphthylene
Concen: 0.043 ng
RT: 14.05 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

Tgt Ion:152 Resp: 2463
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 0.0 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





#50

Dimethylphthalate

Concen: 2.153 ng

RT: 13.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

Instrument :

BNA_M

ClientSampleId :

EXT-028-SW003-022719

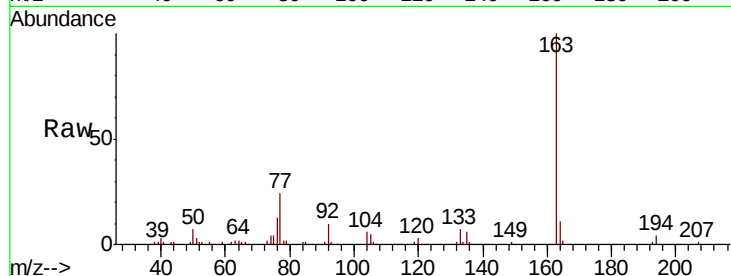
Tgt Ion:163 Resp: 104617

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

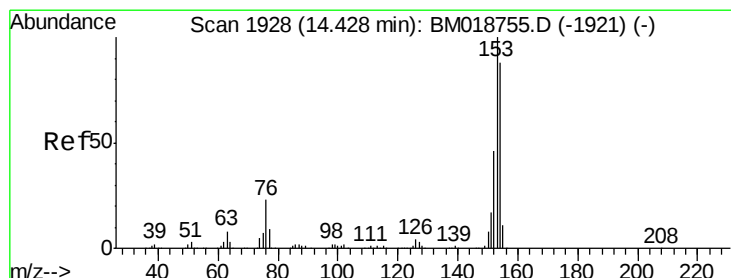
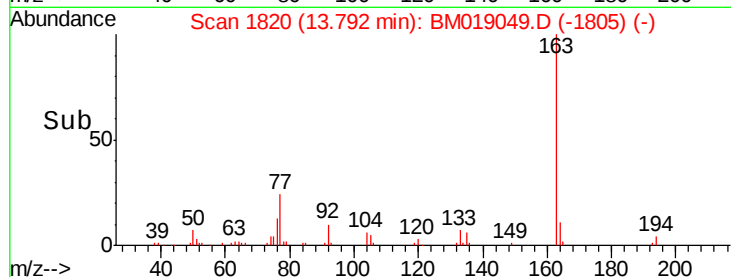
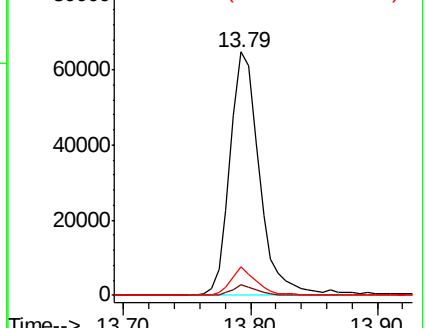
164 11.5 7.8 11.8



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



#52

Acenaphthene

Concen: 0.021 ng

RT: 14.39 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

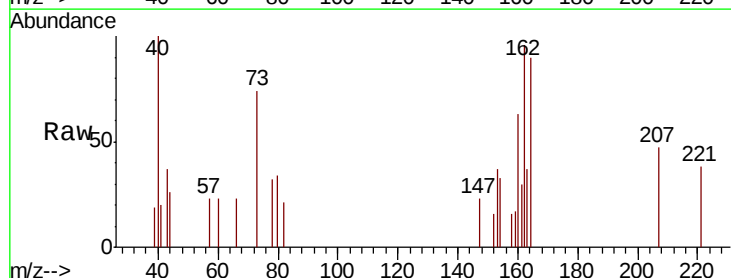
Tgt Ion:154 Resp: 741

Ion Ratio Lower Upper

154 100

153 110.4 91.3 136.9

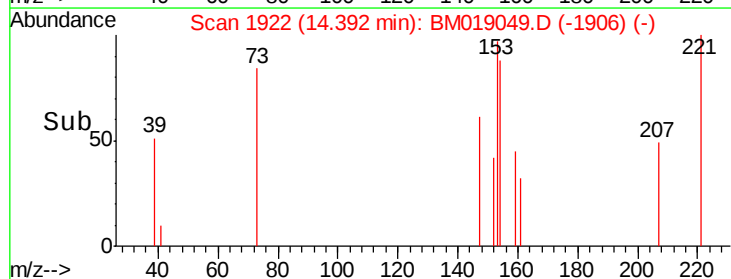
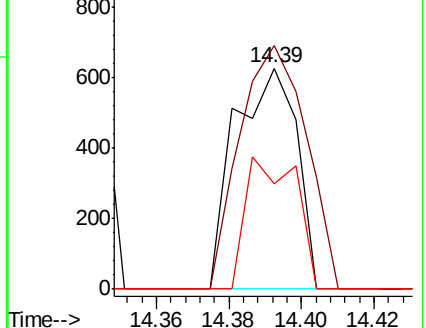
152 48.0 42.2 63.4

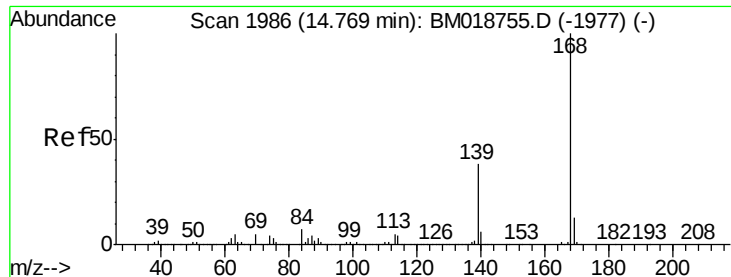


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzenofuran

Concen: 0.016 ng

RT: 14.73 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

Instrument :

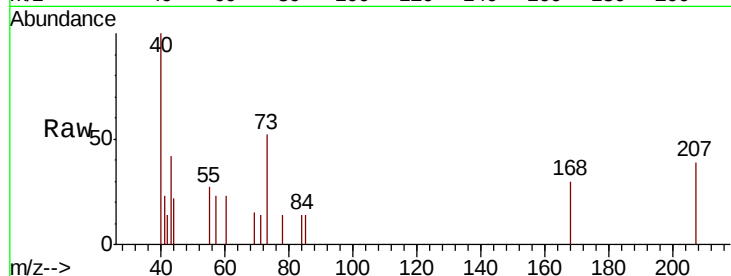
BNA_M

ClientSampleId :

EXT-028-SW003-022719

Tgt Ion:168 Resp: 913

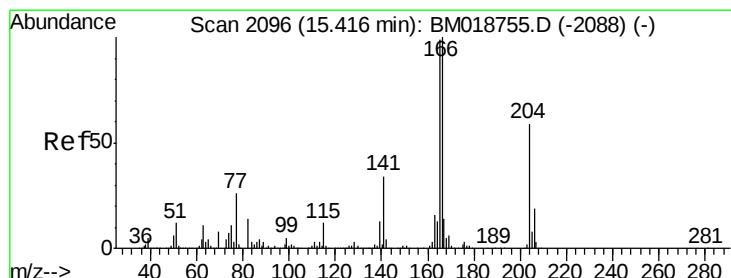
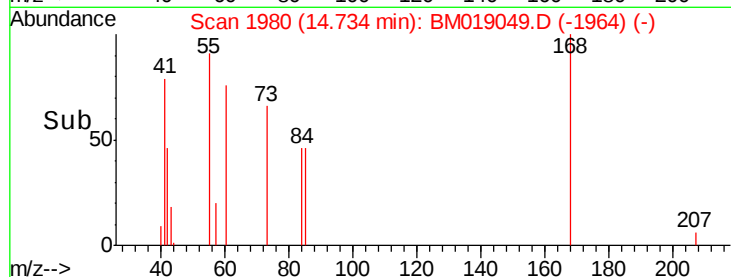
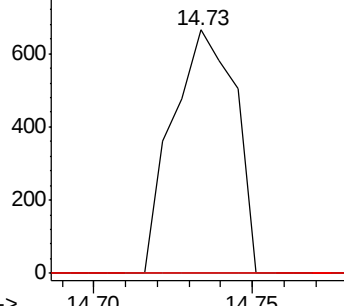
Ion	Ratio	Lower	Upper
168	100		
139	0.0	30.7	46.1#
169	0.0	10.3	15.5#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 0.023 ng

RT: 15.39 min Scan# 2091

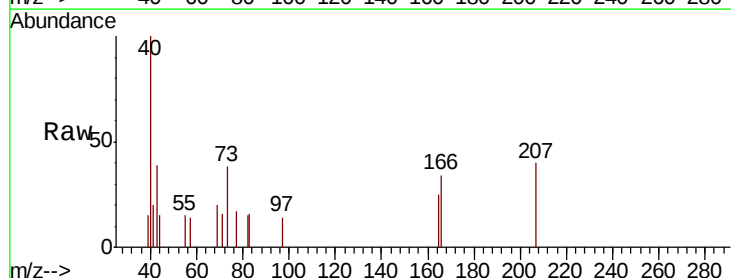
Delta R.T. 0.00 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

Tgt Ion:166 Resp: 1031

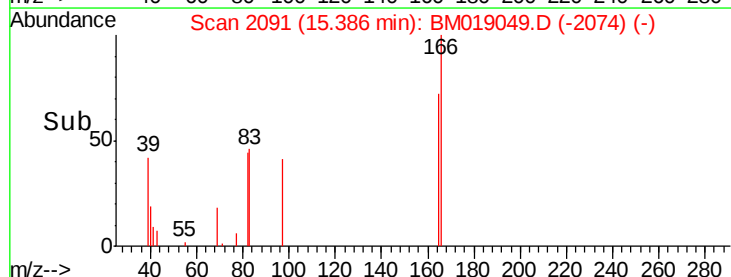
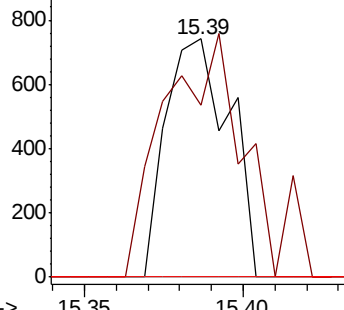
Ion	Ratio	Lower	Upper
166	100		
165	72.1	79.1	118.7#
167	0.0	11.0	16.4#

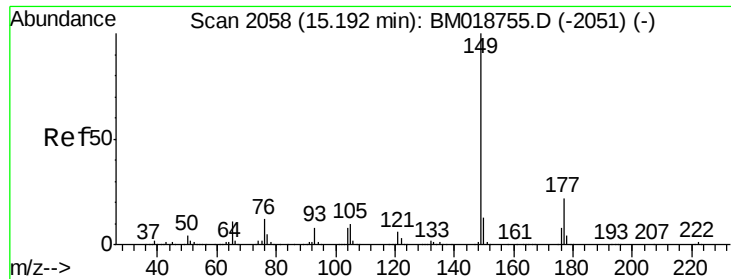


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#60

Diethylphthalate

Concen: 0.035 ng

RT: 15.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

Instrument :

BNA_M

ClientSampleId :

EXT-028-SW003-022719

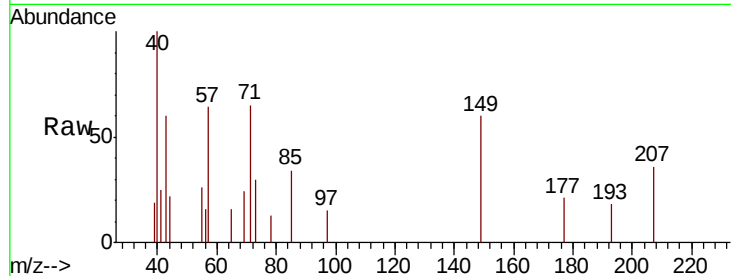
Tgt Ion: 149.00 (148.70 to 149.70): E

Ion Ratio Lower Upper

149 100

177 35.3 17.2 25.8#

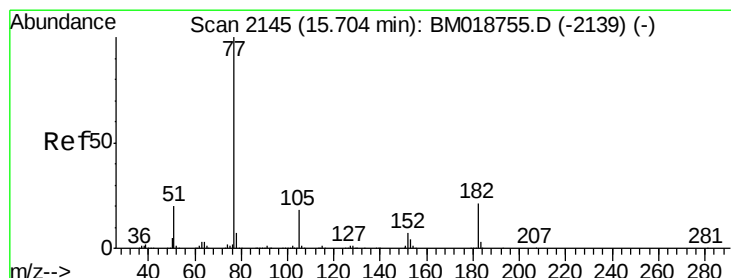
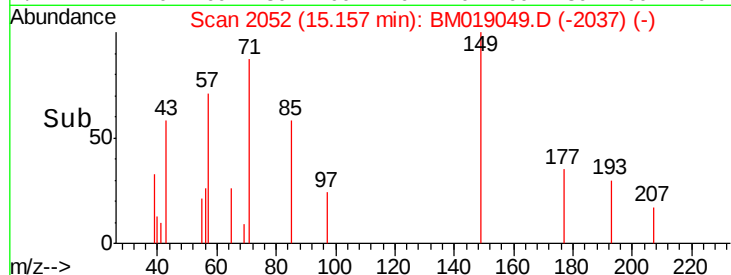
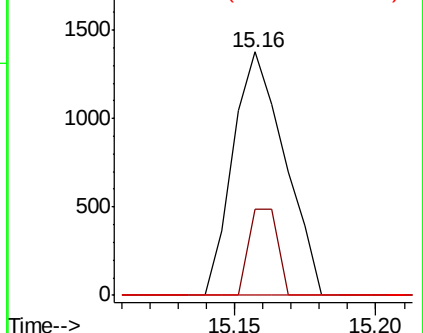
150 0.0 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Azobenzene

Concen: 0.003 ng

RT: 15.67 min Scan# 2139

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

Tgt Ion: 77.00 (76.70 to 77.70): B

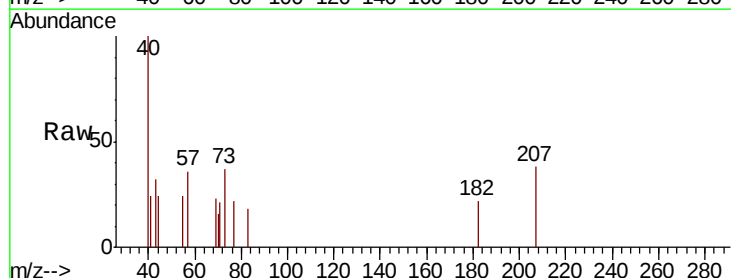
Ion Ratio Lower Upper

77 100

182 98.9 1.0 41.0#

105 0.0 0.0 37.7

51 0.0 0.3 40.3#

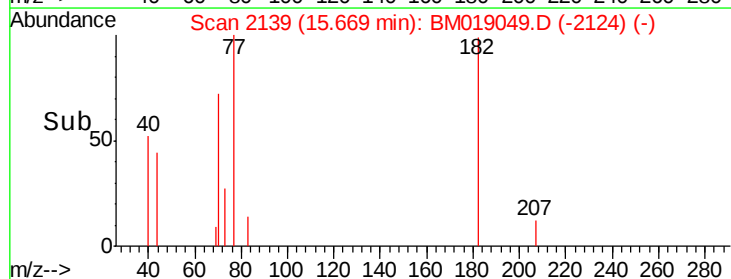
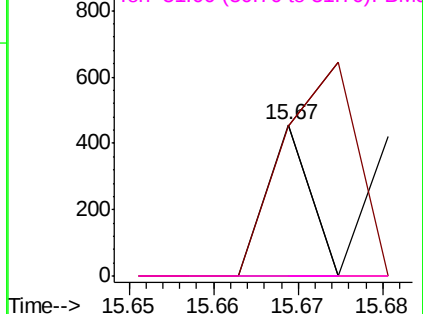


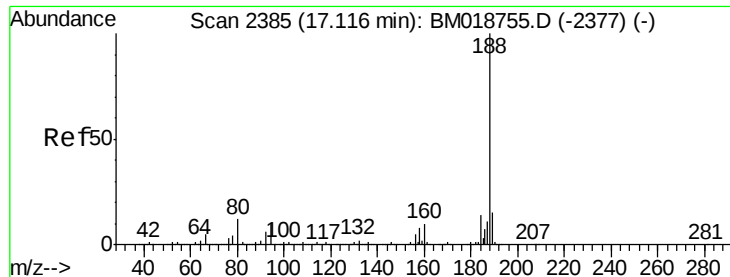
Abundance Ion 77.00 (76.70 to 77.70): B

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): B

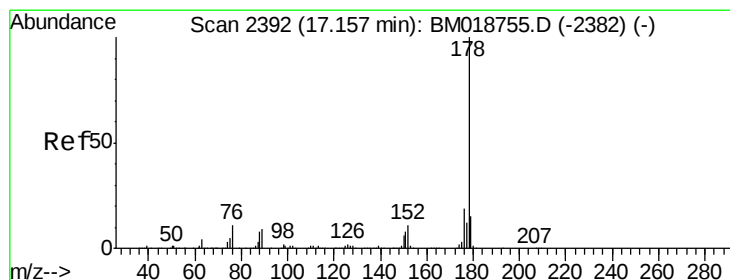
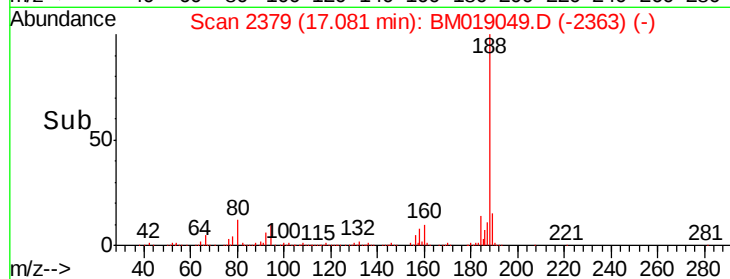
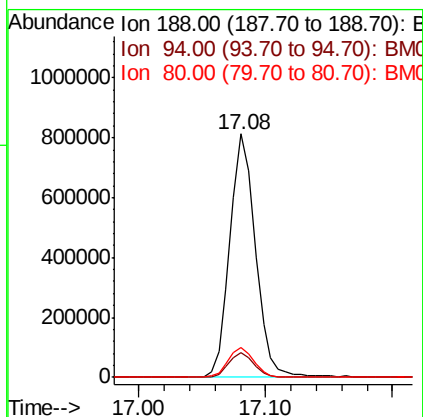
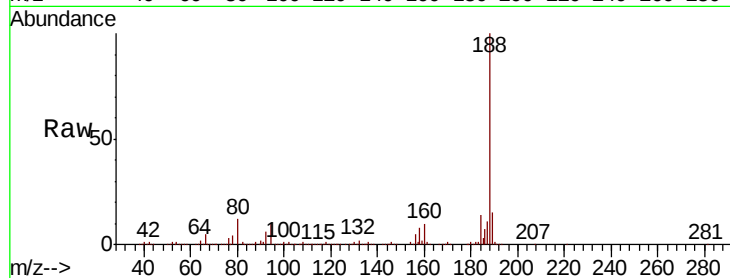




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.08 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

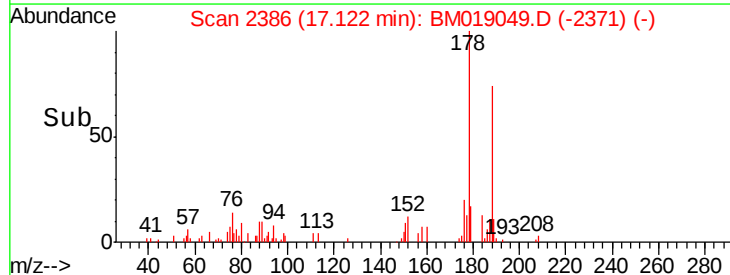
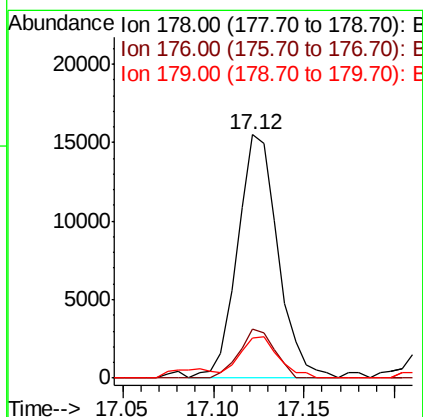
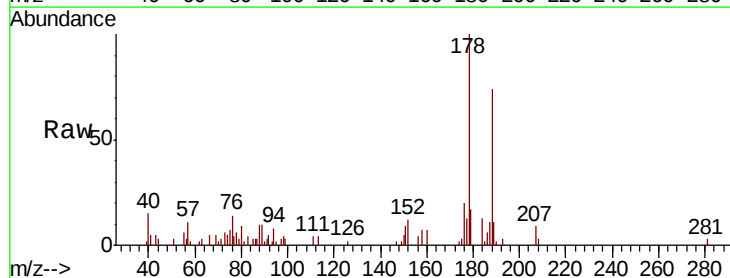
Instrument :
BNA_M
ClientSampleId :
EXT-028-SW003-022719

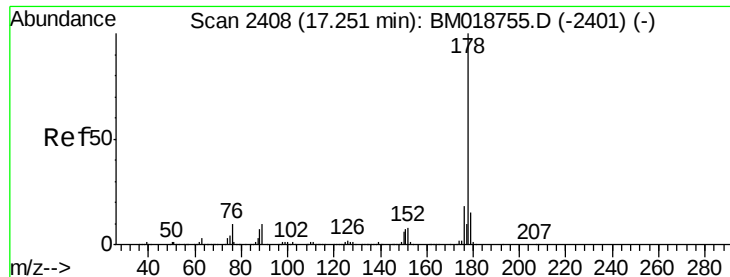
Tgt Ion:188 Resp: 1140786
Ion Ratio Lower Upper
188 100
94 10.3 8.2 12.2
80 12.4 9.7 14.5



#71
Phenanthrene
Concen: 0.392 ng
RT: 17.12 min Scan# 2386
Delta R.T. -0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

Tgt Ion:178 Resp: 24039
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.0
179 16.5 12.3 18.5





#72

Anthracene

Concen: 0.075 ng

RT: 17.22 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

Instrument :

BNA_M

ClientSampleId :

EXT-028-SW003-022719

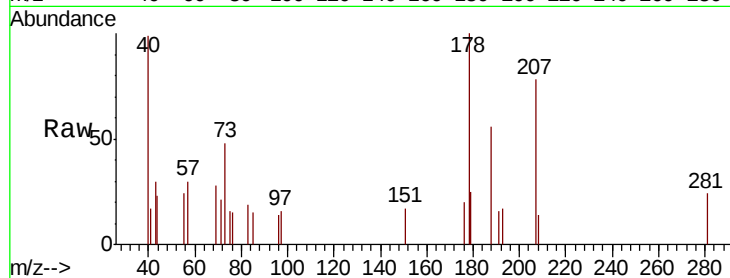
Tgt Ion:178 Resp: 4450

Ion Ratio Lower Upper

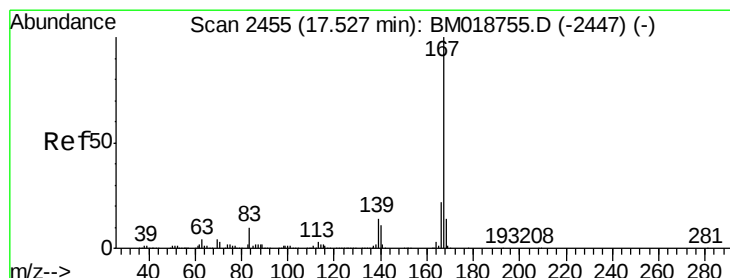
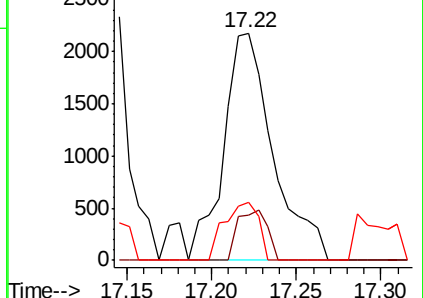
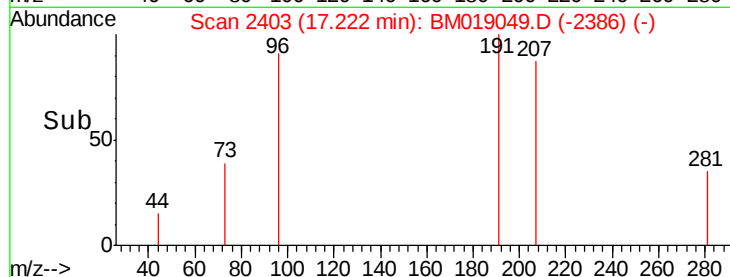
178 100

176 20.0 14.8 22.2

179 25.4 12.1 18.1#



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



#73

Carbazole

Concen: 0.031 ng

RT: 17.51 min Scan# 2452

Delta R.T. 0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

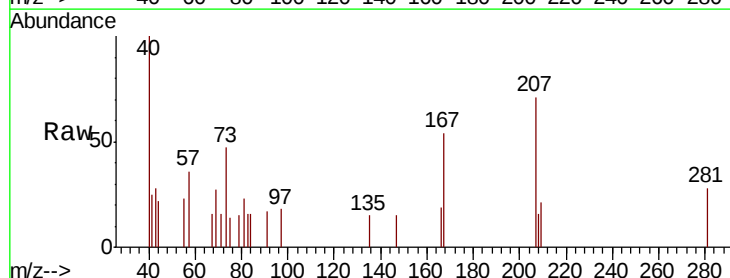
Tgt Ion:167 Resp: 1955

Ion Ratio Lower Upper

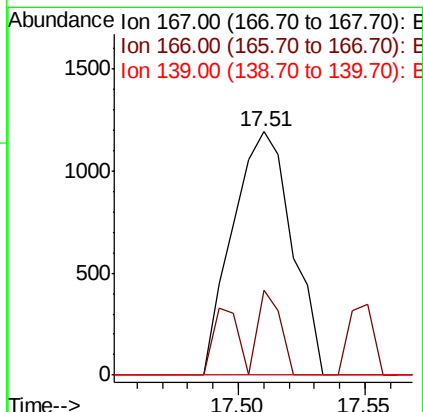
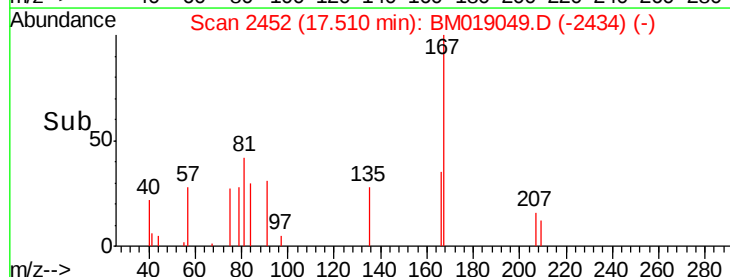
167 100

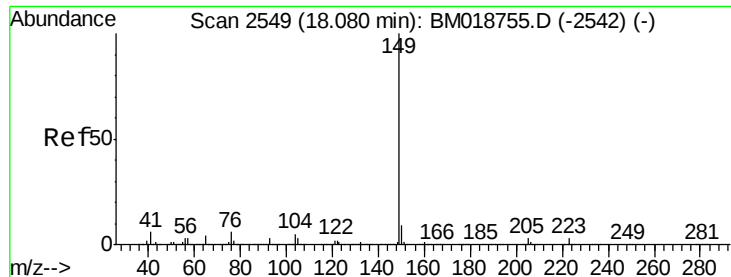
166 34.7 17.7 26.5#

139 0.0 10.9 16.3#



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E

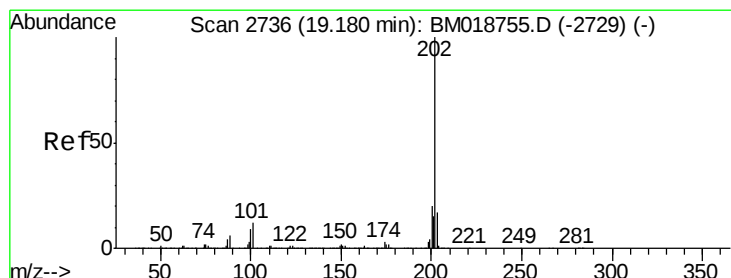
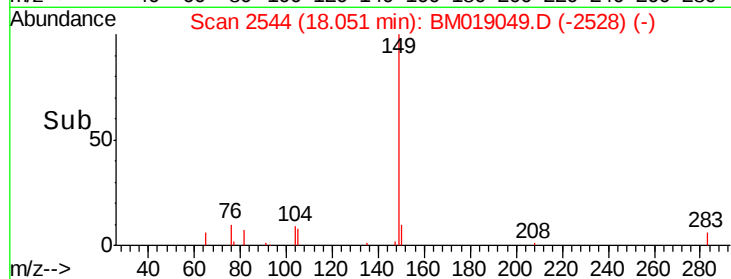
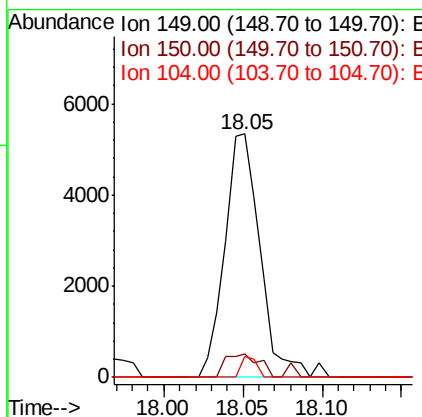
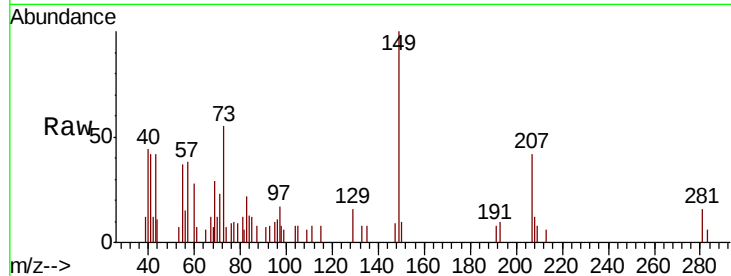




#74
Di-n-butylphthalate
Concen: 0.116 ng
RT: 18.05 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

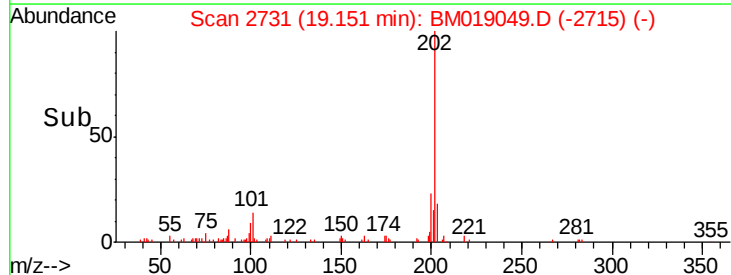
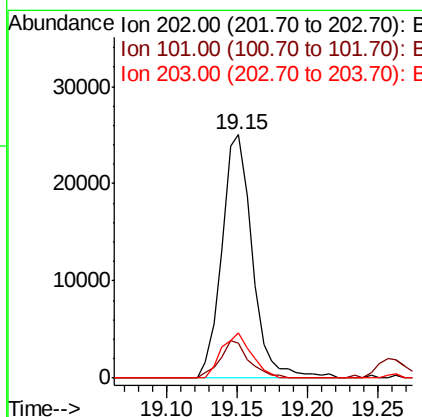
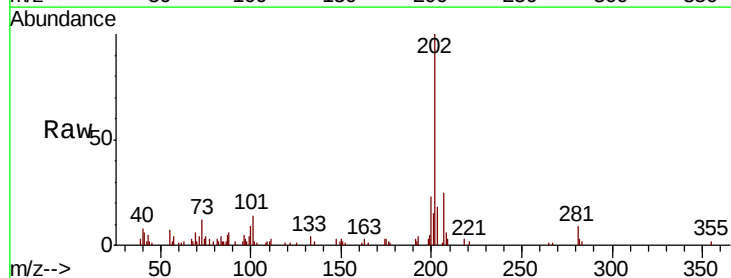
Instrument :
BNA_M
ClientSampleId :
EXT-028-SW003-022719

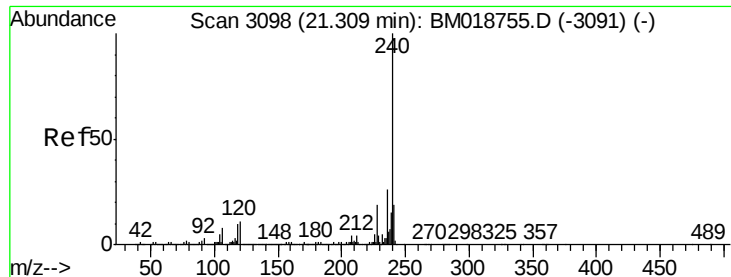
Tgt Ion:149 Resp: 8312
Ion Ratio Lower Upper
149 100
150 9.6 7.4 11.0
104 8.4 4.3 6.5#



#75
Fluoranthene
Concen: 0.533 ng
RT: 19.15 min Scan# 2731
Delta R.T. -0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

Tgt Ion:202 Resp: 37734
Ion Ratio Lower Upper
202 100
101 16.4 0.0 31.5
203 18.5 0.0 37.3

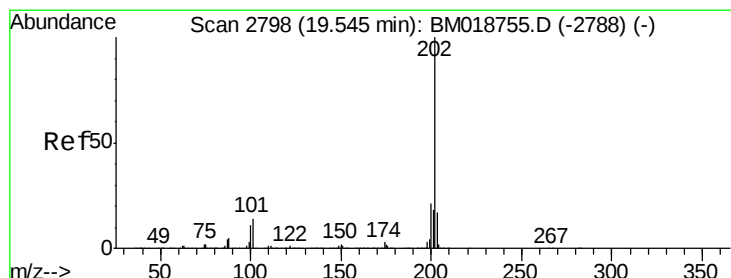
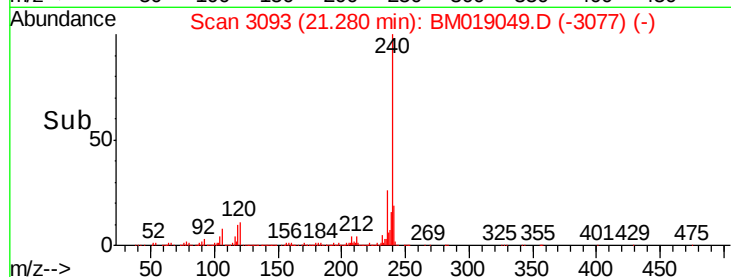
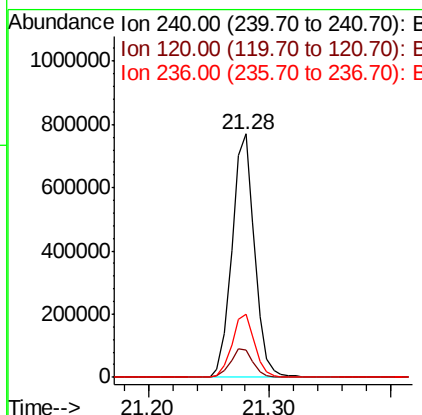
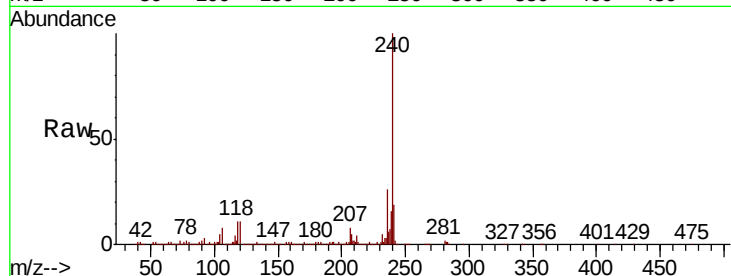




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.28 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

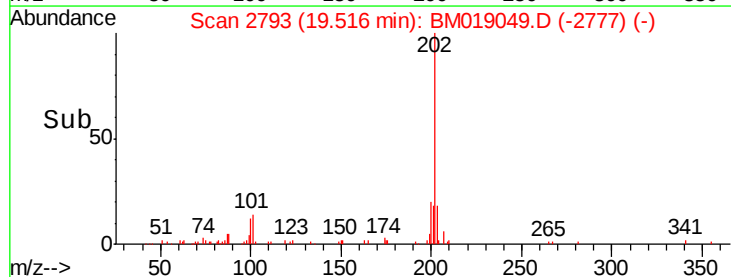
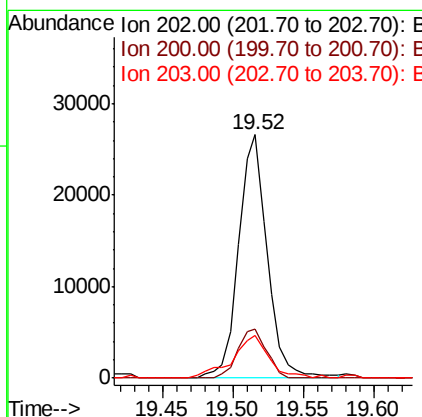
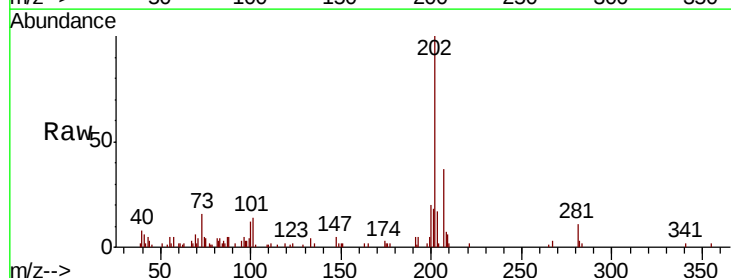
Instrument :
BNA_M
ClientSampleId :
EXT-028-SW003-022719

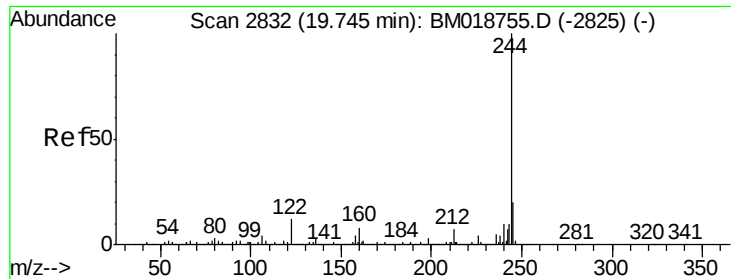
Tgt Ion:240 Resp: 999375
Ion Ratio Lower Upper
240 100
120 11.1 8.9 13.3
236 25.9 20.9 31.3



#78
Pyrene
Concen: 0.650 ng
RT: 19.52 min Scan# 2793
Delta R.T. -0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

Tgt Ion:202 Resp: 37734
Ion Ratio Lower Upper
202 100
200 19.9 16.9 25.3
203 17.4 13.8 20.8

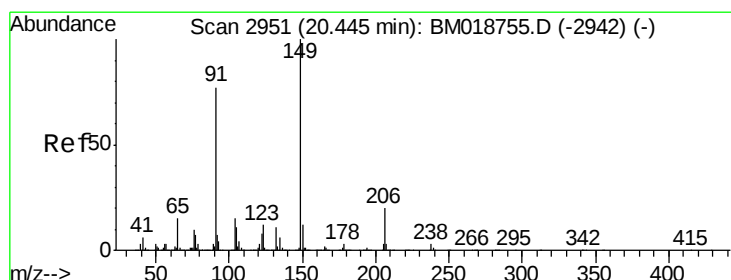
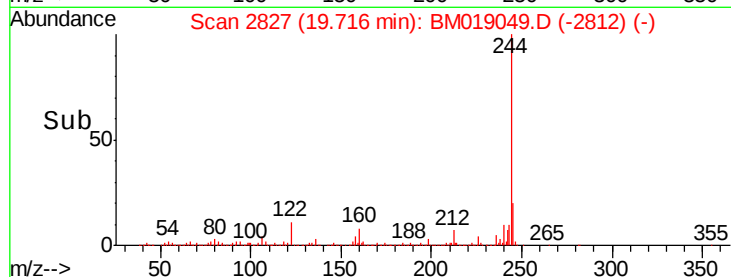
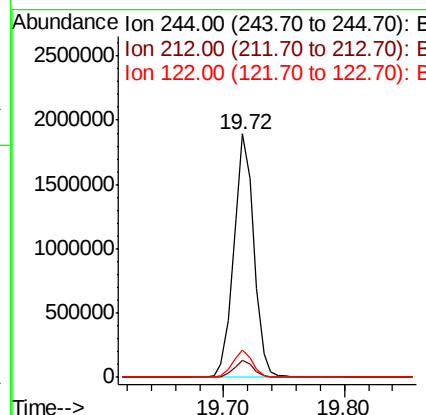
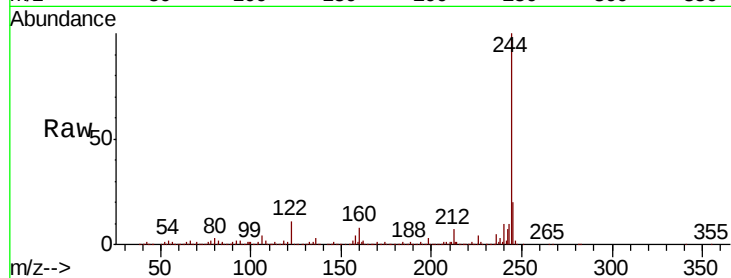




#79
 Terphenyl-d14
 Concen: 45.082 ng
 RT: 19.72 min Scan# 2827
 Delta R.T. -0.01 min
 Lab File: BM019049.D
 Acq: 05 Mar 2019 22:45

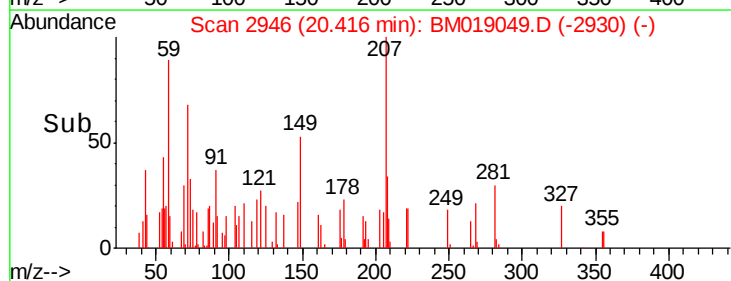
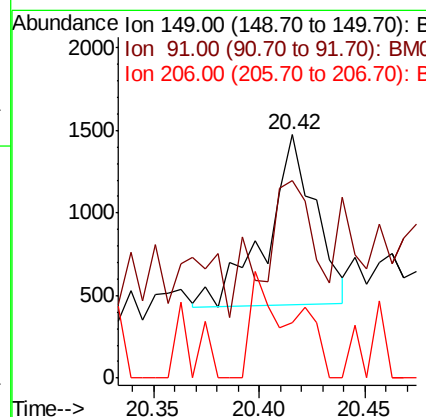
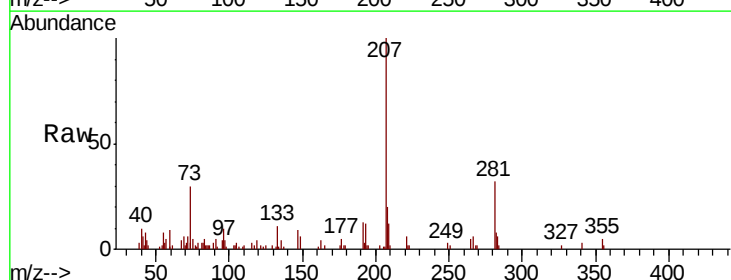
Instrument :
 BNA_M
 ClientSampleId :
 EXT-028-SW003-022719

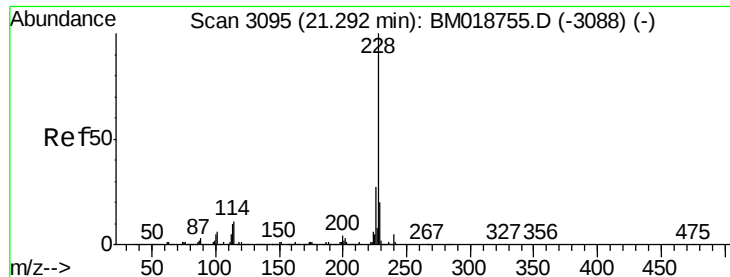
Tgt Ion:244 Resp: 2184019
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.4 9.3 13.9



#80
 Butylbenzylphthalate
 Concen: 0.063 ng
 RT: 20.42 min Scan# 2946
 Delta R.T. -0.01 min
 Lab File: BM019049.D
 Acq: 05 Mar 2019 22:45

Tgt Ion:149 Resp: 1658
 Ion Ratio Lower Upper
 149 100
 91 80.9 61.4 92.0
 206 22.7 15.8 23.8





#81

Benzo(a)anthracene

Concen: 0.432 ng

RT: 21.26 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

Instrument :

BNA_M

ClientSampleId :

EXT-028-SW003-022719

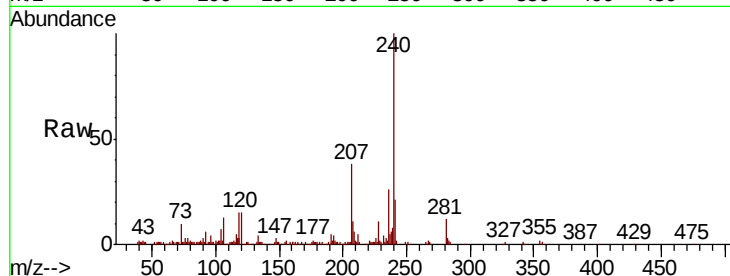
Tgt Ion:228 Resp: 25163

Ion Ratio Lower Upper

228 100

226 26.6 21.9 32.9

229 17.5 15.9 23.9

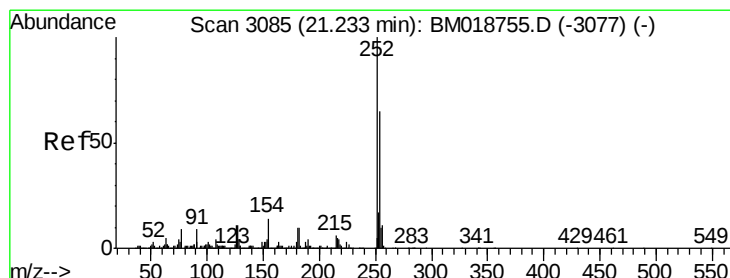
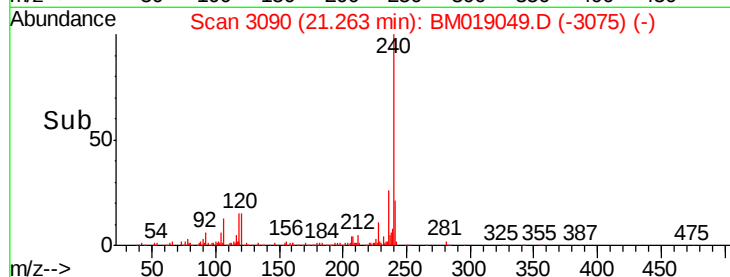
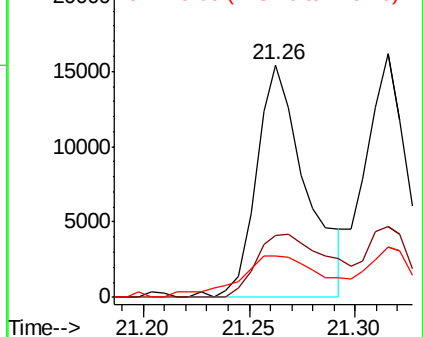


Abundance

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



#82

3,3'-Dichlorobenzidine

Concen: 0.029 ng

RT: 21.21 min Scan# 3081

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

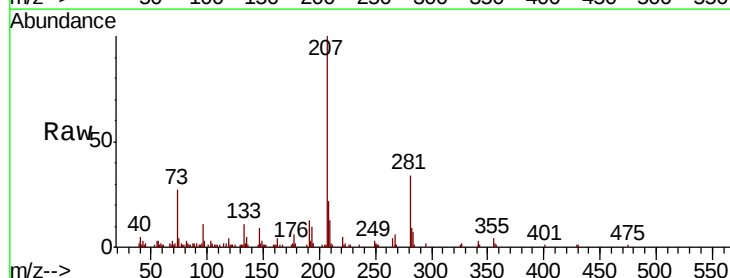
Tgt Ion:252 Resp: 658

Ion Ratio Lower Upper

252 100

254 0.0 51.8 77.8#

126 0.0 9.1 13.7#

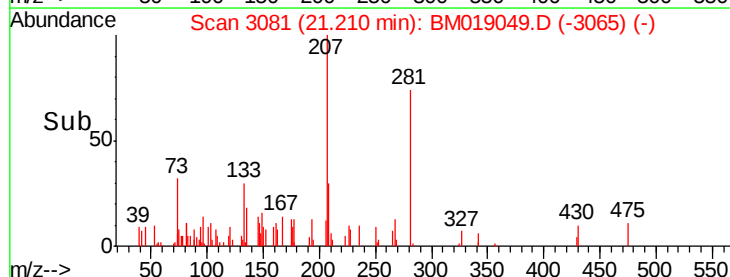
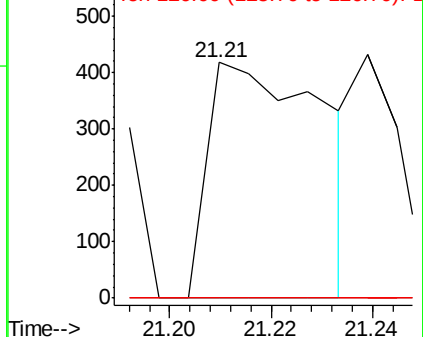


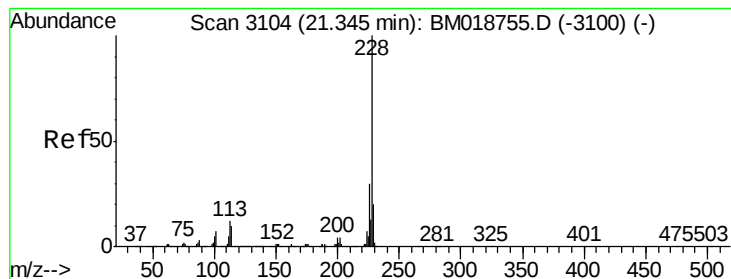
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 0.406 ng

RT: 21.32 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

Instrument :

BNA_M

ClientSampleId :

EXT-028-SW003-022719

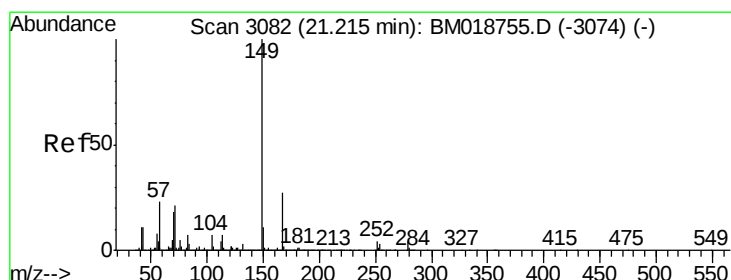
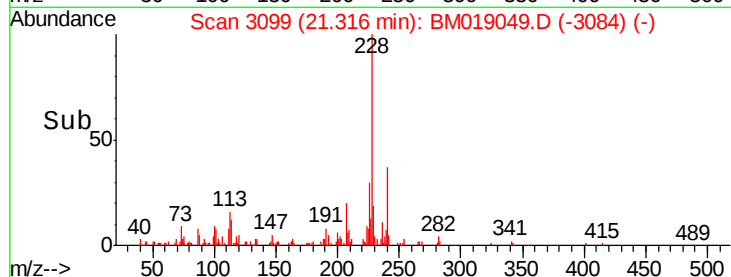
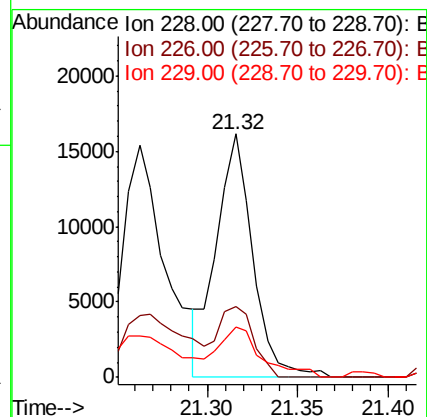
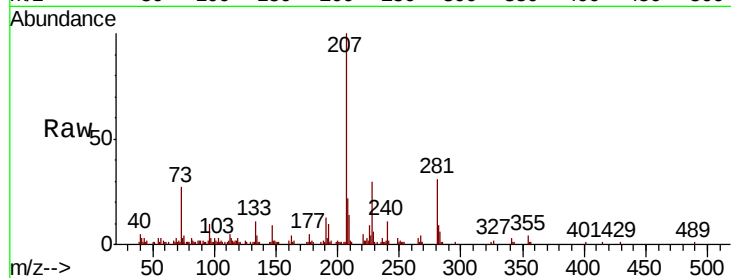
Tgt Ion: 228 Resp: 22662

Ion Ratio Lower Upper

228 100

226 29.3 24.1 36.1

229 20.7 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 1.505 ng

RT: 21.19 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

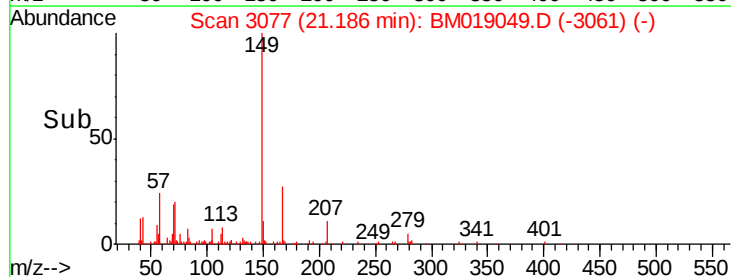
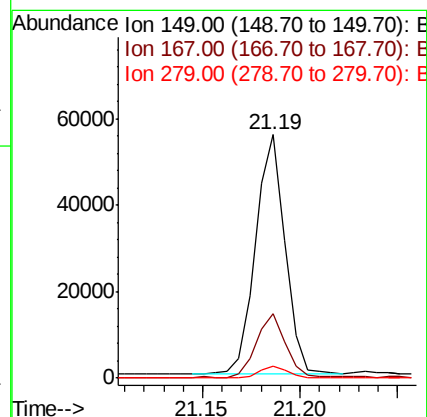
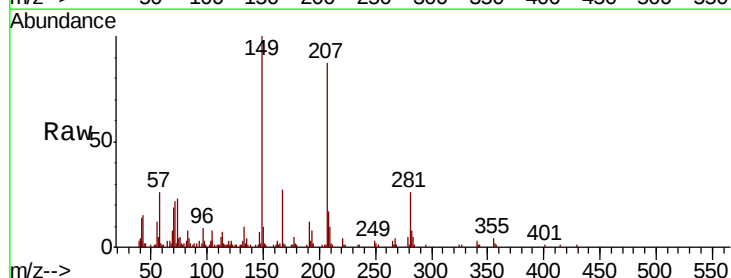
Tgt Ion: 149 Resp: 58256

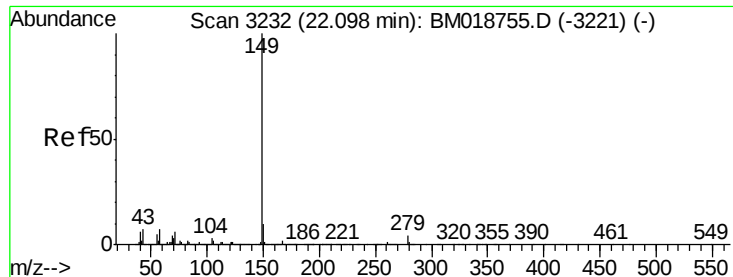
Ion Ratio Lower Upper

149 100

167 26.6 21.8 32.6

279 4.6 3.6 5.4

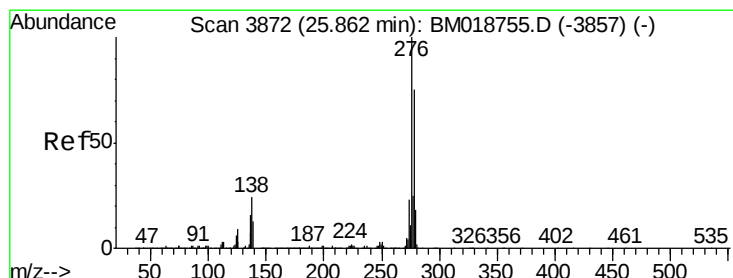
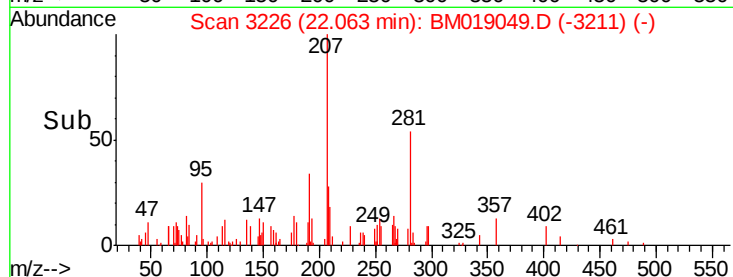
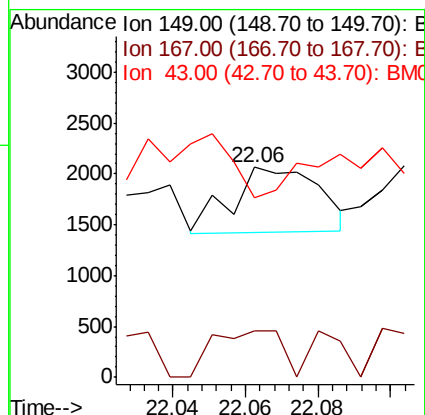
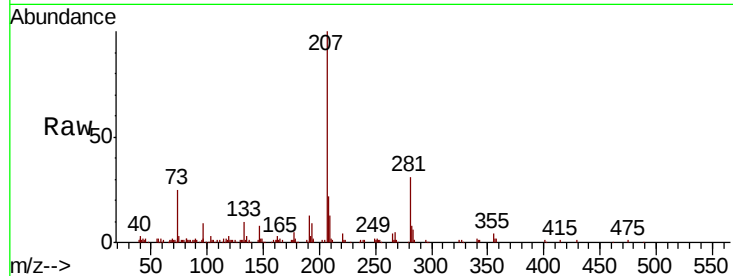




#85
Di-n-octyl phthalate
Concen: 0.017 ng
RT: 22.06 min Scan# 3226
Delta R.T. -0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

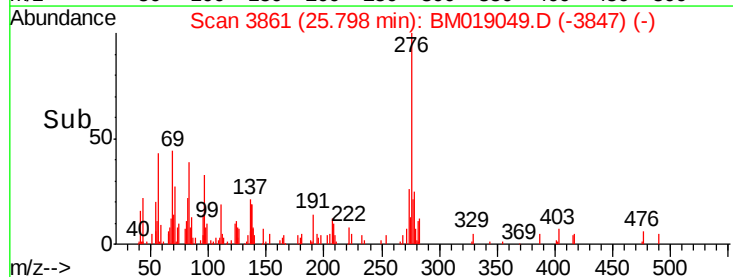
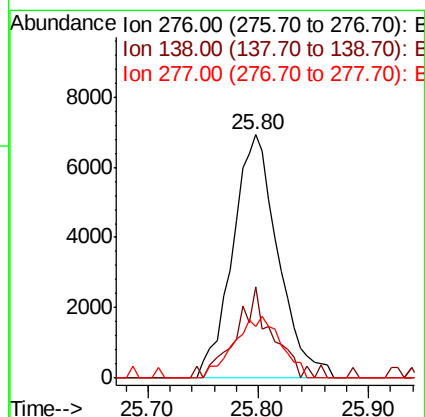
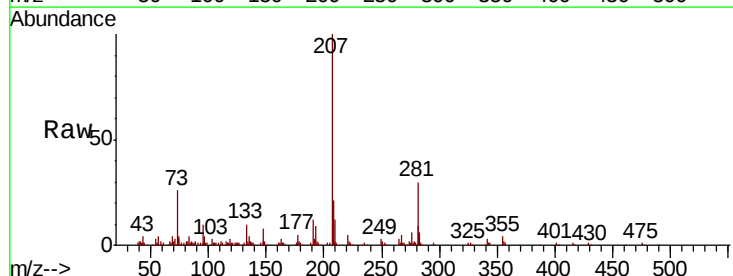
Instrument :
BNA_M
ClientSampleId :
EXT-028-SW003-022719

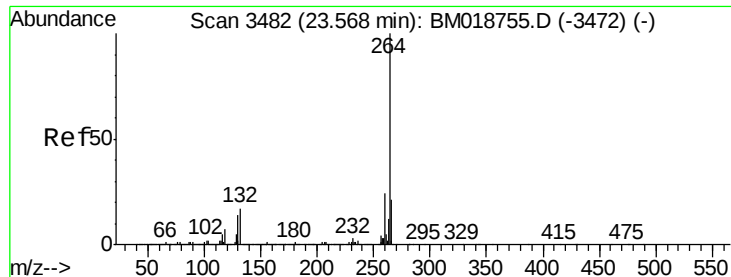
Tgt Ion:149 Resp: 1074
Ion Ratio Lower Upper
149 100
167 56.0 1.3 1.9#
43 79.2 6.0 9.0#



#86
Indeno(1,2,3-cd)pyrene
Concen: 0.310 ng
RT: 25.80 min Scan# 3861
Delta R.T. -0.02 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

Tgt Ion:276 Resp: 19979
Ion Ratio Lower Upper
276 100
138 30.3 20.2 30.4
277 26.0 20.3 30.5



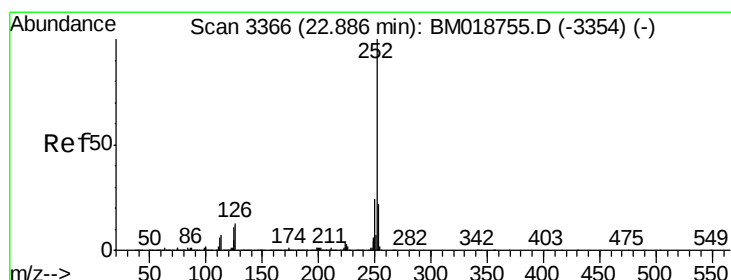
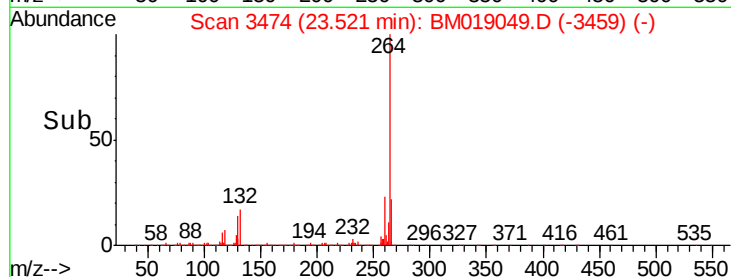
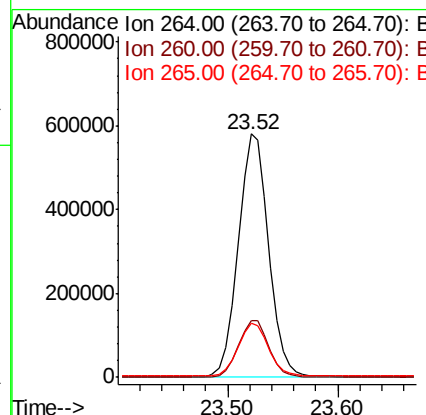
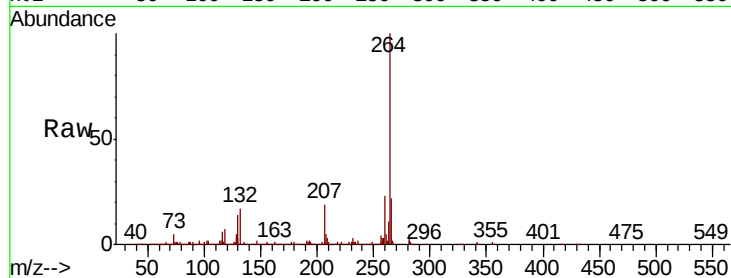


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.52 min Scan# 3474
Delta R.T. -0.01 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

Instrument :
BNA_M
ClientSampleId :
EXT-028-SW003-022719

Tgt Ion:264 Resp: 1125547

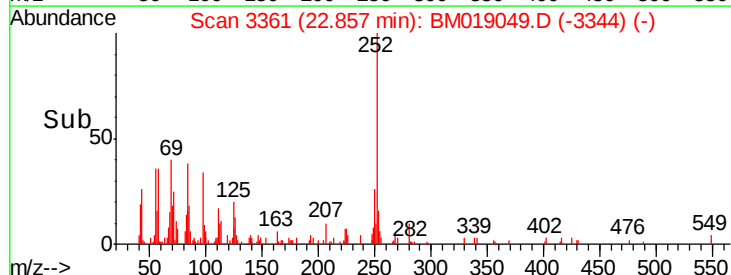
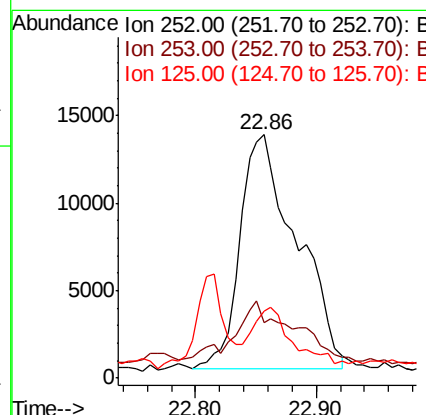
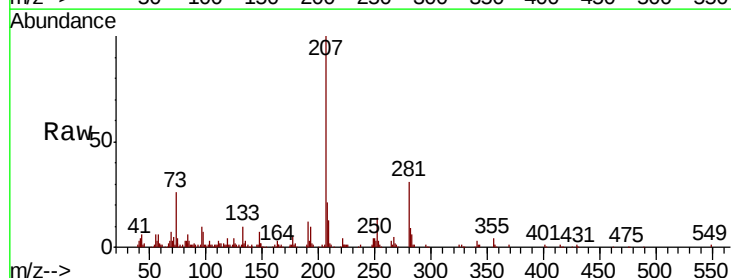
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	22.2	17.3	25.9

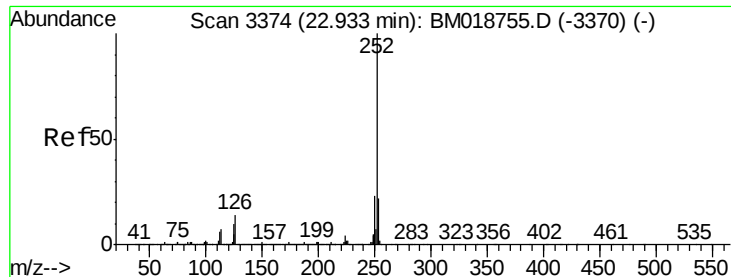


#88
Benzo(b)fluoranthene
Concen: 0.682 ng
RT: 22.86 min Scan# 3361
Delta R.T. 0.00 min
Lab File: BM019049.D
Acq: 05 Mar 2019 22:45

Tgt Ion:252 Resp: 43927

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	27.4	8.6	12.8#





#89

Benzo(k)fluoranthene

Concen: 0.675 ng

RT: 22.86 min Scan# 3361

Delta R.T. -0.05 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

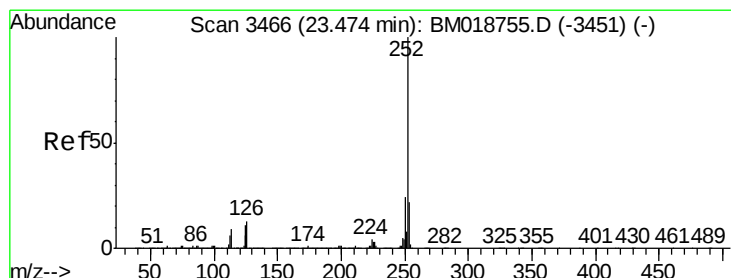
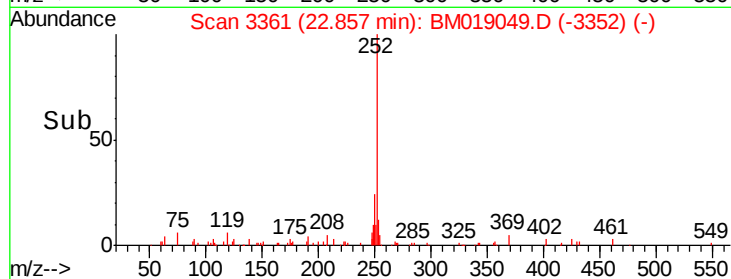
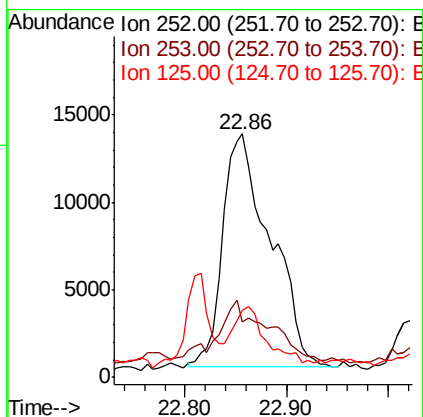
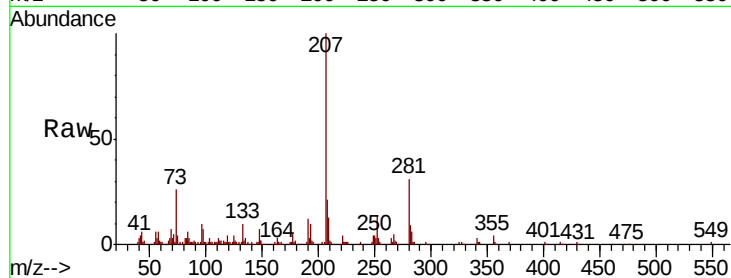
Instrument :

BNA_M

ClientSampleId :

EXT-028-SW003-022719

Tgt Ion:	252	Resp:	43255
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.7	26.5
125	27.4	8.2	12.4#



#90

Benzo(a)pyrene

Concen: 0.382 ng

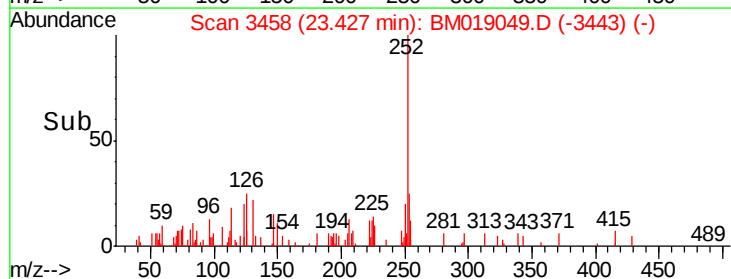
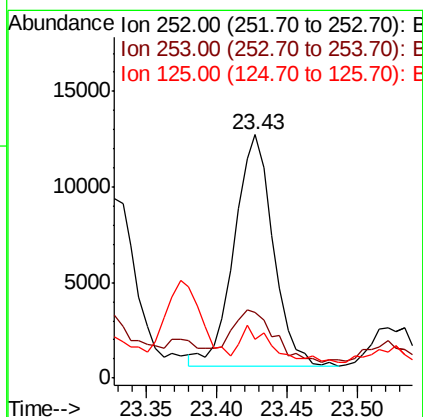
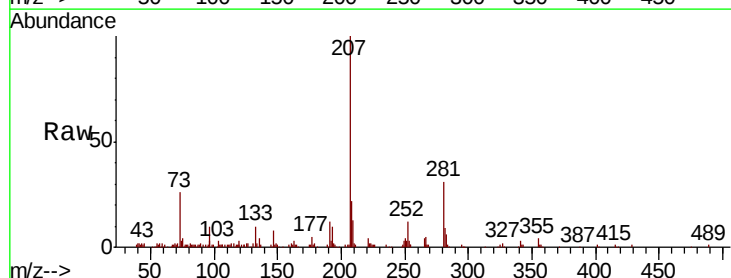
RT: 23.43 min Scan# 3458

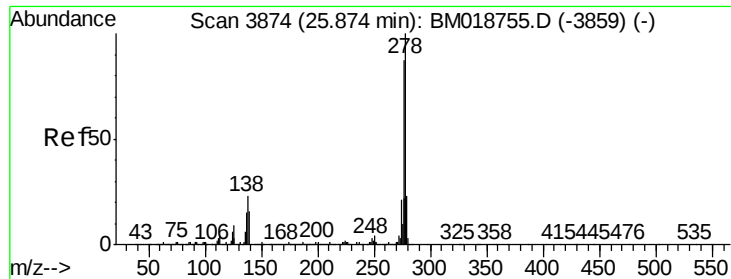
Delta R.T. -0.01 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

Tgt Ion:	252	Resp:	23274
Ion Ratio	Lower	Upper	
252	100		
253	26.7	17.4	26.0#
125	16.1	8.6	13.0#





#91

Dibenzo(a,h)anthracene

Concen: 0.105 ng

RT: 25.80 min Scan# 3861

Delta R.T. -0.03 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

Instrument :

BNA_M

ClientSampleId :

EXT-028-SW003-022719

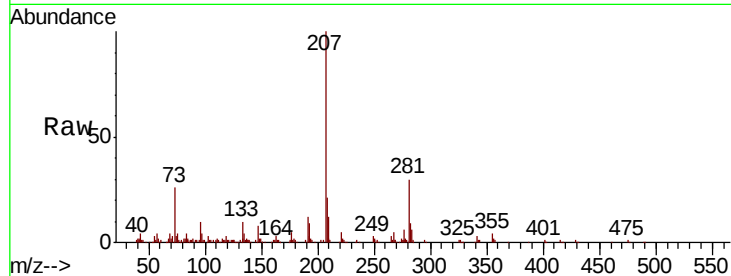
Tgt Ion:278 Resp: 6334

Ion Ratio Lower Upper

278 100

139 61.5 12.6 18.8#

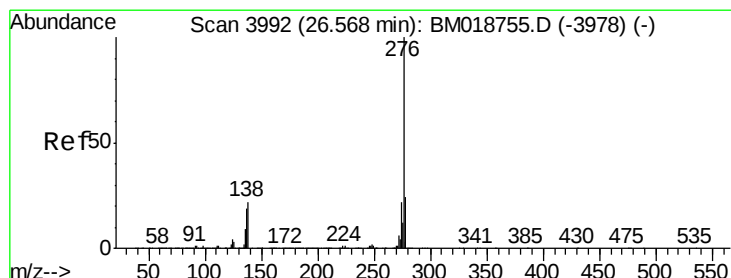
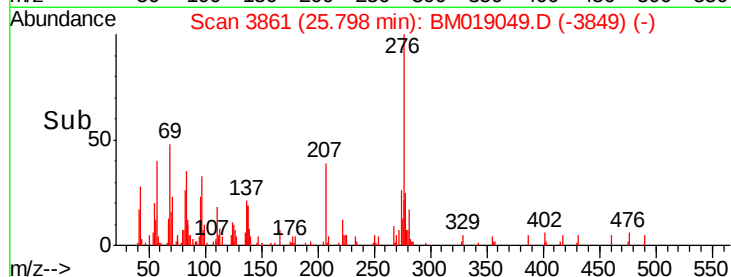
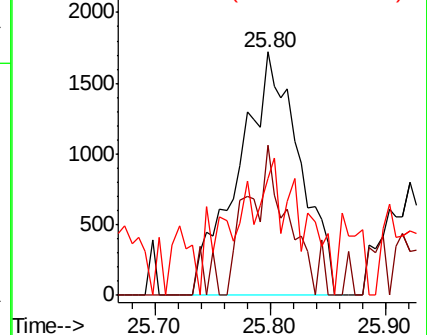
279 48.3 18.6 28.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 0.375 ng

RT: 26.49 min Scan# 3979

Delta R.T. -0.02 min

Lab File: BM019049.D

Acq: 05 Mar 2019 22:45

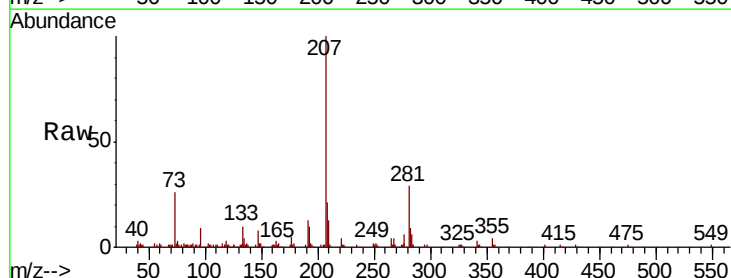
Tgt Ion:276 Resp: 21092

Ion Ratio Lower Upper

276 100

277 28.6 19.2 28.8

138 21.7 17.3 25.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

