

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050119\
 Data File : BM020089.D
 Acq On : 01 May 2019 14:25
 Operator : JU/SJ
 Sample : PB119354BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 02 01:29:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	90465	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	308305	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	181868	20.00	ng	0.00
64) Phenanthrene-d10	17.17	188	417200	20.00	ng	0.00
76) Chrysene-d12	21.36	240	413257	20.00	ng	0.00
87) Perylene-d12	23.65	264	463103	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	792144	143.13	ng	0.00
7) Phenol-d6	6.95	99	1070593	141.60	ng	0.00
23) Nitrobenzene-d5	8.96	82	773312	99.03	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	424511	150.38	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	1521033	102.90	ng	0.00
79) Terphenyl-d14	19.80	244	2508048	105.86	ng	0.00

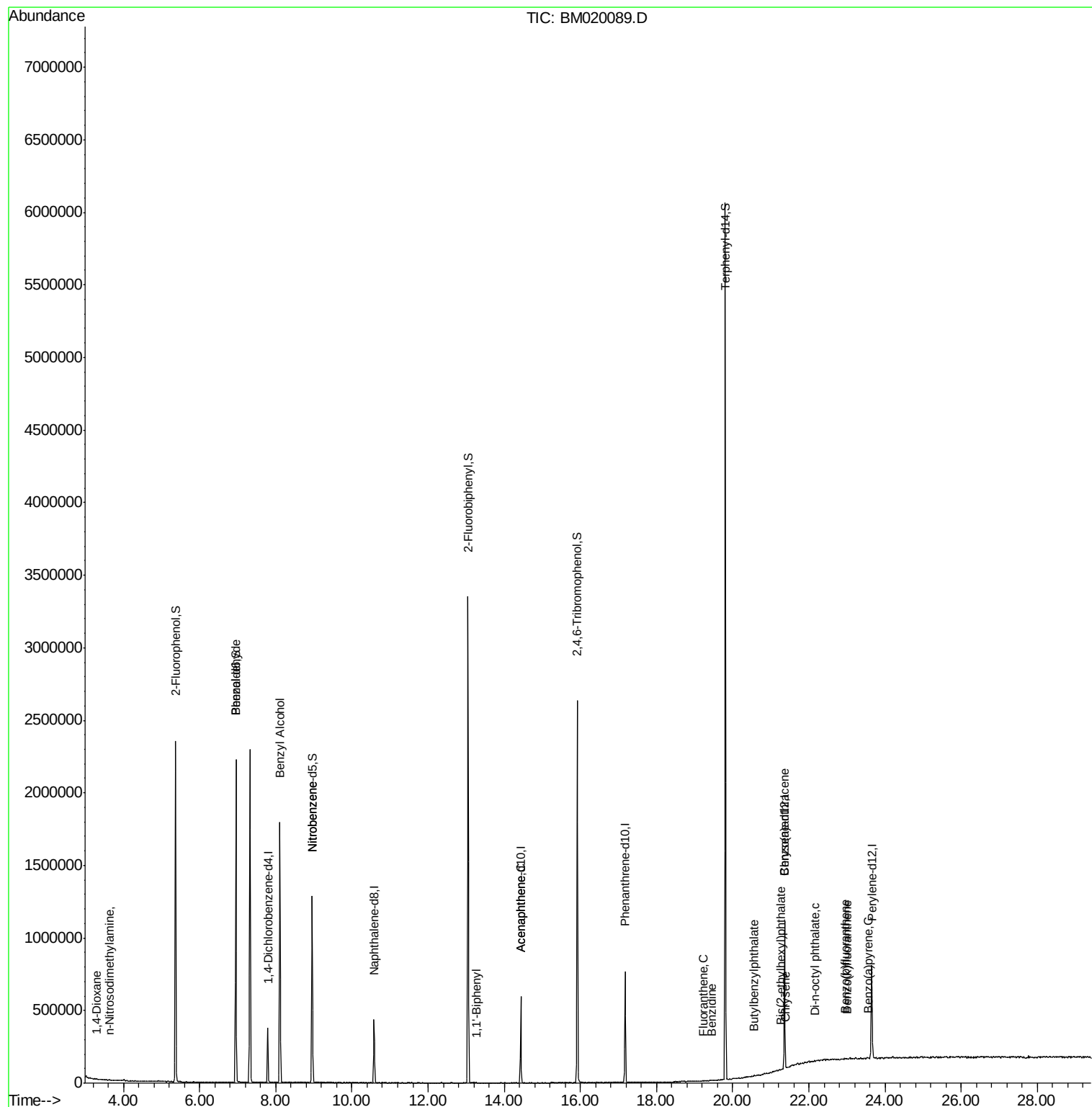
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	451	0.166	ng	# 4
4) n-Nitrosodimethylamine	3.64	42	1378	0.619	ng	# 1
9) Benzaldehyde	6.95	77	2757	0.482	ng	# 12
15) Benzyl Alcohol	8.10	79	11808	1.620	ng	# 58
24) Nitrobenzene	8.96	77	3495	0.432	ng	# 54
46) 1,1'-Biphenyl	13.26	154	1735	0.116	ng	# 88
52) Acenaphthene	14.43	154	488	0.044	ng	# 4
75) Fluoranthene	19.23	202	123	0.004	ng	# 65
77) Benzidine	19.44	184	232	0.018	ng	# 66
80) Butylbenzylphthalate	20.56	149	120	0.012	ng	# 19
81) Benzo(a)anthracene	21.36	228	1597	0.055	ng	# 52
83) Chrysene	21.40	228	393	0.014	ng	# 50
84) Bis(2-ethylhexyl)phthalate	21.26	149	1043	0.067	ng	# 53
85) Di-n-octyl phthalate	22.16	149	590	0.023	ng	# 80
88) Benzo(b)fluoranthene	22.95	252	190	0.006	ng	# 1
89) Benzo(k)fluoranthene	23.01	252	176	0.006	ng	# 1
90) Benzo(a)pyrene	23.56	252	107	0.004	ng	# 61

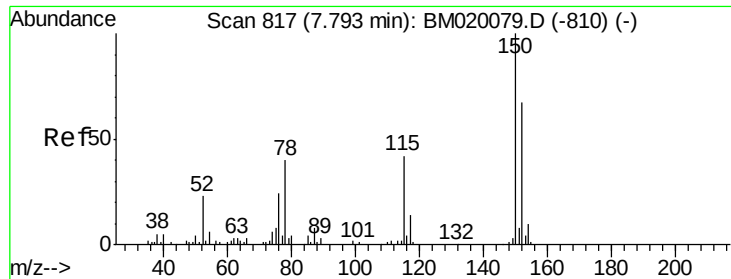
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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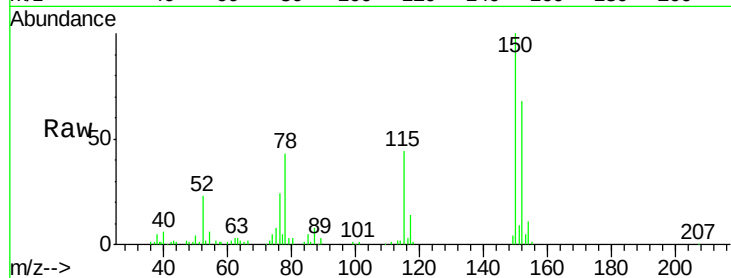


#1

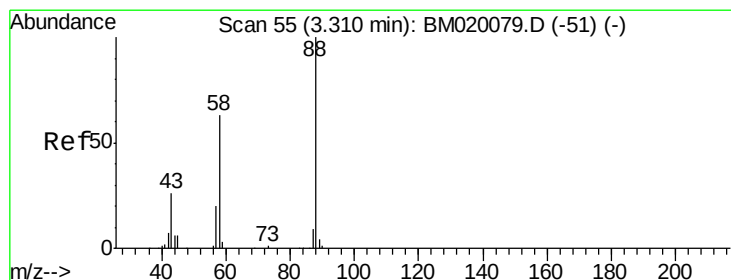
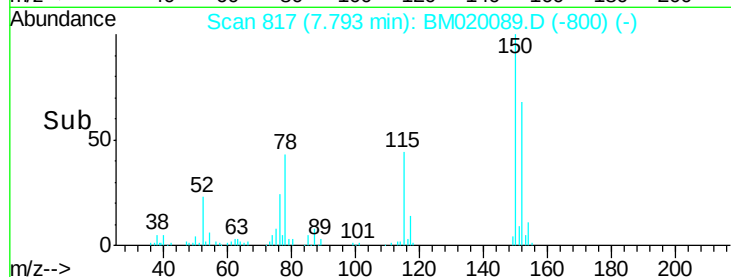
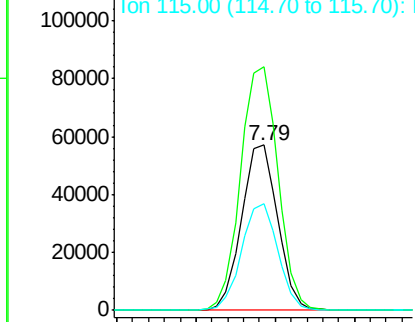
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. 0.00 min
Lab File: BM020089.D
Acq: 01 May 2019 14:25

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 90465
Ion Ratio Lower Upper
152 100
150 147.4 119.8 179.8
115 64.9 50.8 76.2



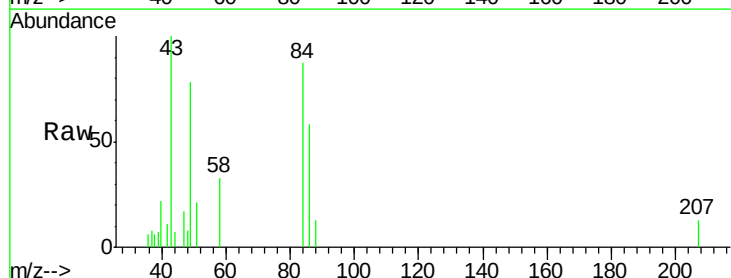
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



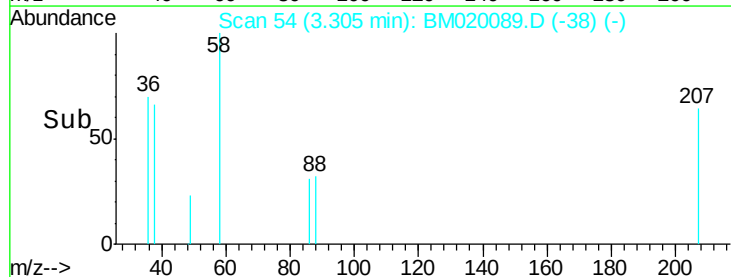
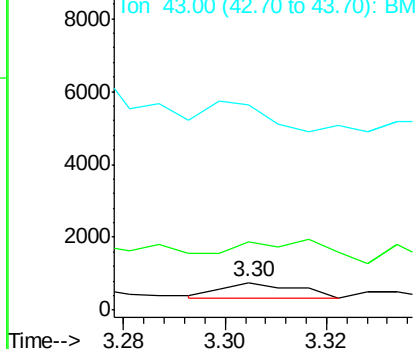
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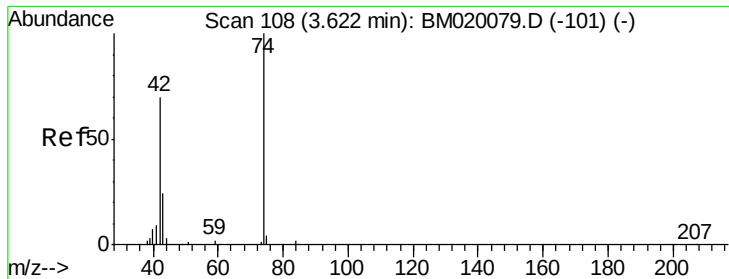
1,4-Dioxane
Concen: 0.166 ng
RT: 3.30 min Scan# 54
Delta R.T. -0.01 min
Lab File: BM020089.D
Acq: 01 May 2019 14:25

Tgt Ion: 88 Resp: 451
Ion Ratio Lower Upper
88 100
58 154.8 51.8 77.6#
43 0.0 20.3 30.5#



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0



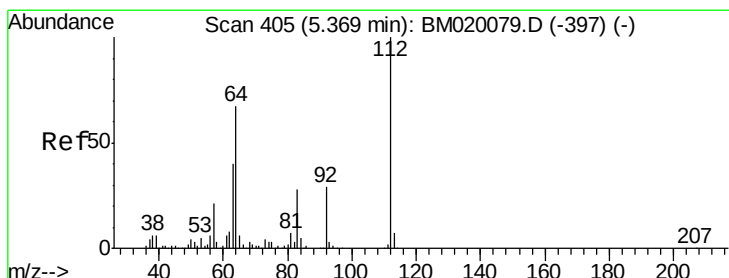
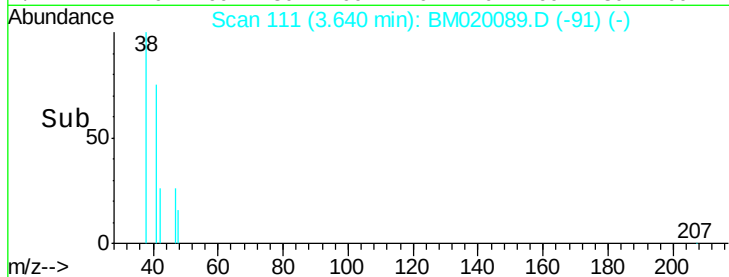
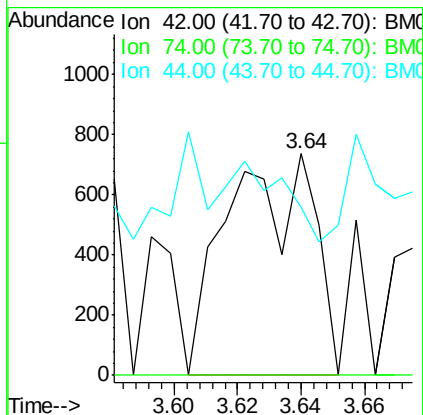
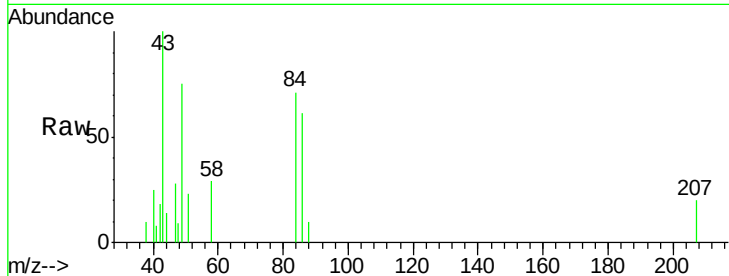


#4

n-Nitrosodimethylamine
 Concen: 0.619 ng
 RT: 3.64 min Scan# 111
 Delta R.T. 0.02 min
 Lab File: BM020089.D
 Acq: 01 May 2019 14:25

Instrument :
 BNA_M
 ClientSampled :

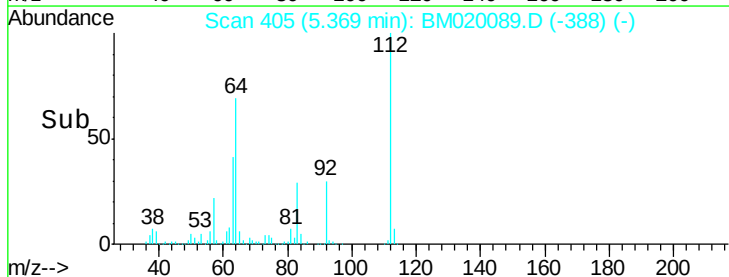
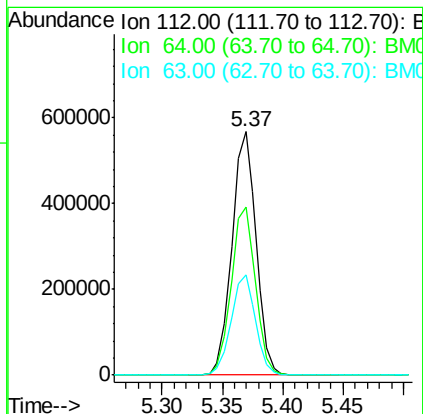
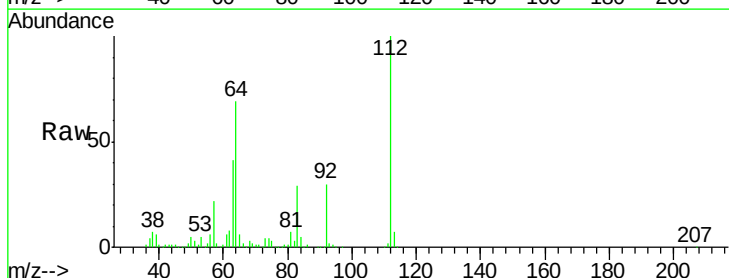
Tot Ion: 42 Resp: 1378
 Ion Ratio Lower Upper
 42 100
 74 0.0 113.7 170.5#
 44 75.6 3.9 5.9#

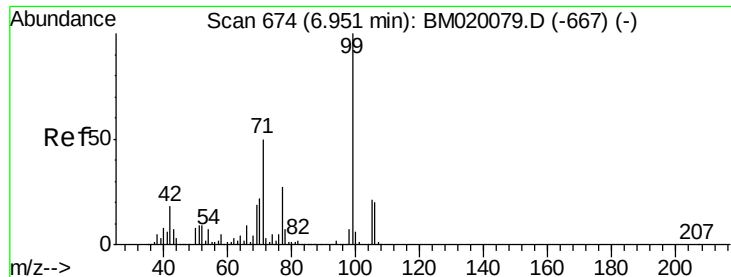


#5

2-Fluorophenol
 Concen: 143.131 ng
 RT: 5.37 min Scan# 405
 Delta R.T. 0.00 min
 Lab File: BM020089.D
 Acq: 01 May 2019 14:25

Tgt Ion: 112 Resp: 792144
 Ion Ratio Lower Upper
 112 100
 64 68.9 53.8 80.6
 63 41.0 32.3 48.5





#7

Phenol-d6

Concen: 141.598 ng

RT: 6.95 min Scan# 674

Delta R.T. 0.00 min

Lab File: BM020089.D

Acq: 01 May 2019 14:25

Instrument :

BNA_M

ClientSampled :

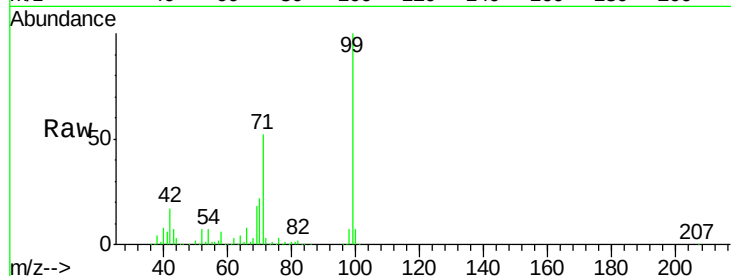
Tot Ion: 99 Resp: 1070593

Ion Ratio Lower Upper

99 100

42 17.0 14.2 21.2

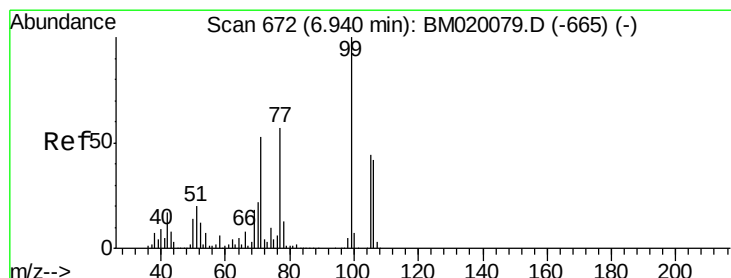
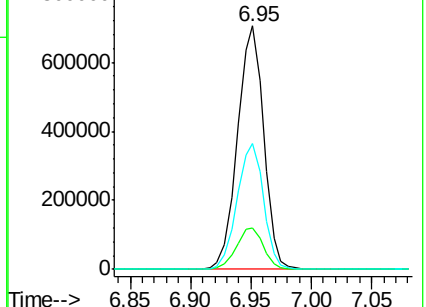
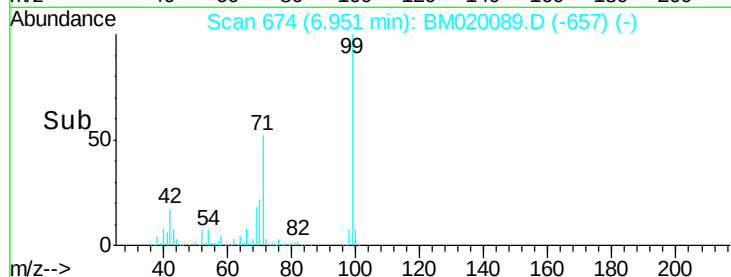
71 51.9 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020079.D (-667) (-)

Ion 42.00 (41.70 to 42.70): BM020079.D (-667) (-)

Ion 71.00 (70.70 to 71.70): BM020079.D (-667) (-)



#9

Benzaldehyde

Concen: 0.482 ng

RT: 6.95 min Scan# 674

Delta R.T. 0.01 min

Lab File: BM020089.D

Acq: 01 May 2019 14:25

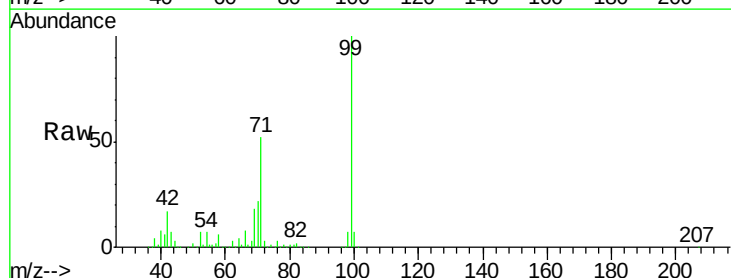
Tgt Ion: 77 Resp: 2757

Ion Ratio Lower Upper

77 100

105 0.0 57.8 97.8#

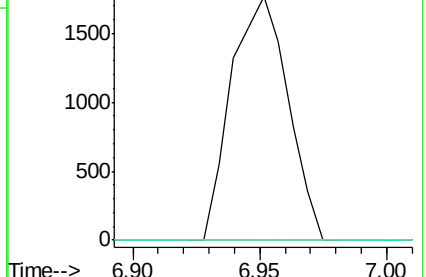
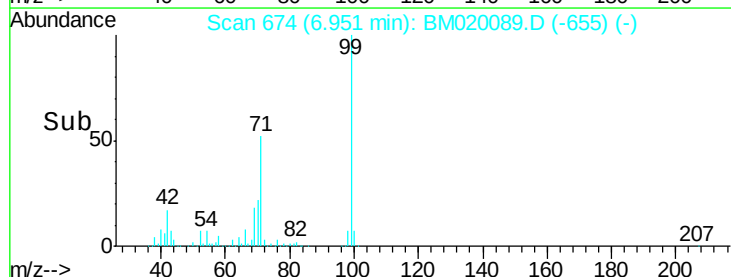
106 0.0 53.6 93.6#

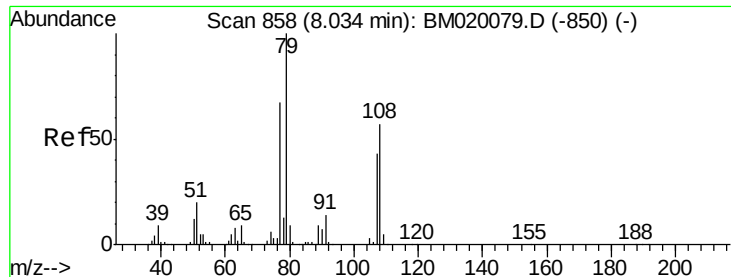


Abundance Ion 77.00 (76.70 to 77.70): BM020079.D (-665) (-)

Ion 105.00 (104.70 to 105.70): BM020079.D (-665) (-)

Ion 106.00 (105.70 to 106.70): BM020079.D (-665) (-)





#15

Benzyl Alcohol

Concen: 1.620 ng

RT: 8.10 min Scan# 870

Delta R.T. 0.07 min

Lab File: BM020089.D

Acq: 01 May 2019 14:25

Instrument :

BNA_M

ClientSampled :

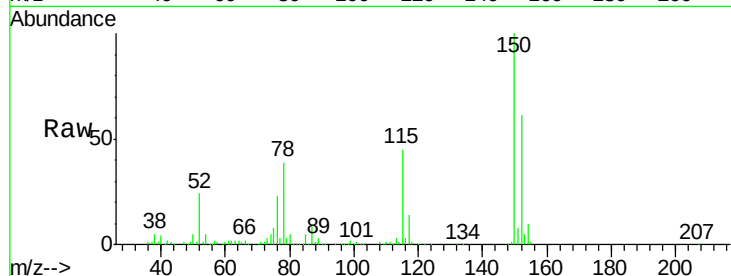
Tot Ion: 79 Resp: 11808

Ion Ratio Lower Upper

79 100

108 37.0 46.0 69.0#

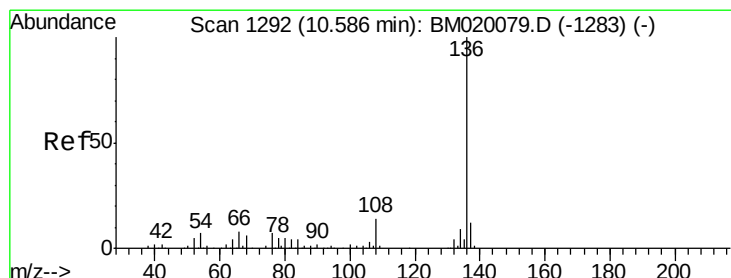
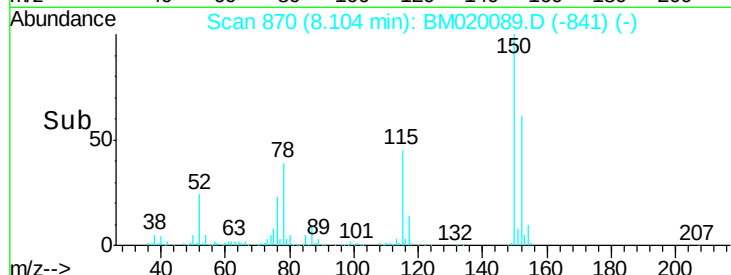
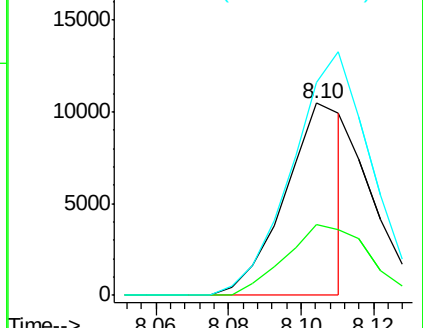
77 110.8 53.8 80.6#



Abundance Ion 79.00 (78.70 to 79.70): BM020079.D (-850) (-)

Ion 108.00 (107.70 to 108.70): BM020079.D (-850) (-)

Ion 77.00 (76.70 to 77.70): BM020079.D (-850) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.58 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BM020089.D

Acq: 01 May 2019 14:25

Tgt Ion: 136 Resp: 308305

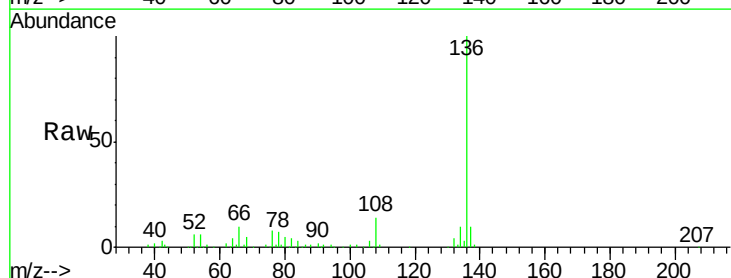
Ion Ratio Lower Upper

136 100

137 10.3 9.6 14.4

54 5.8 5.5 8.3

68 5.2 4.6 6.8

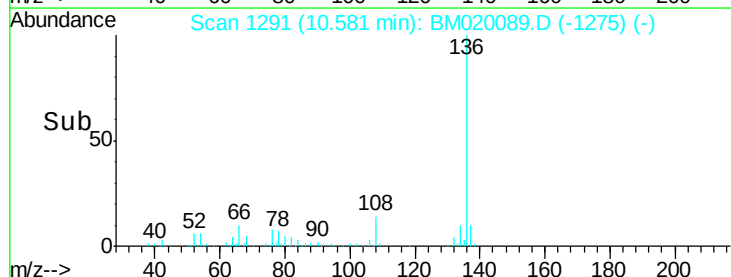
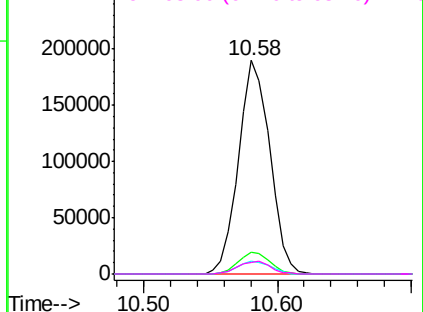


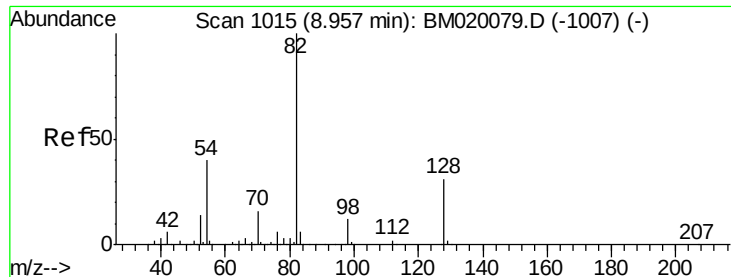
Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

Ion 137.00 (136.70 to 137.70): BM020079.D (-1283) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1283) (-)

Ion 68.00 (67.70 to 68.70): BM020079.D (-1283) (-)

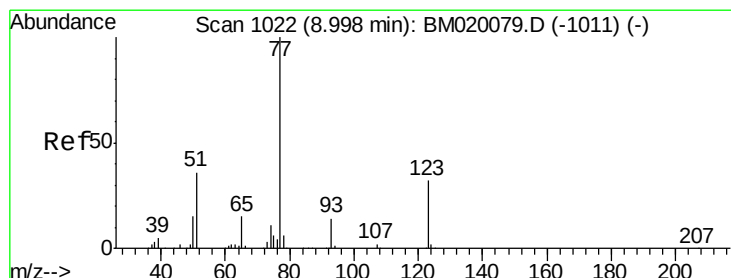
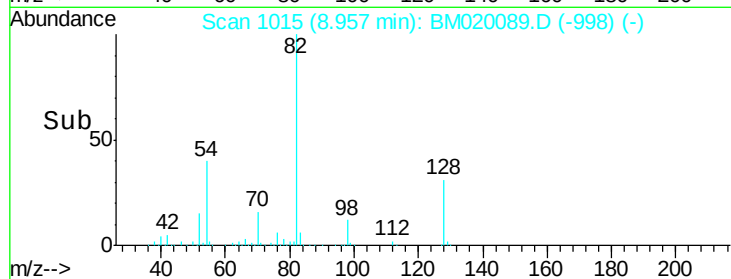
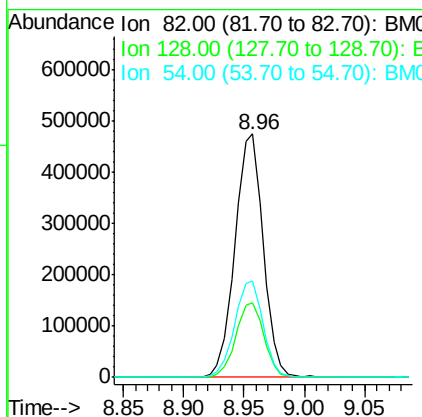
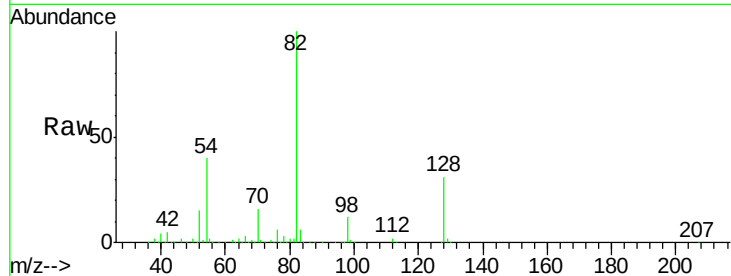




#23
 Nitrobenzene-d5
 Concen: 99.027 ng
 RT: 8.96 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: BM020089.D
 Acq: 01 May 2019 14:25

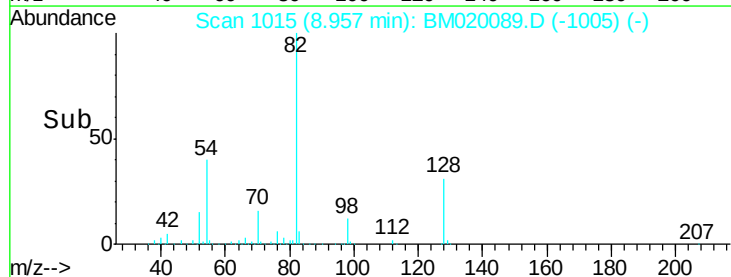
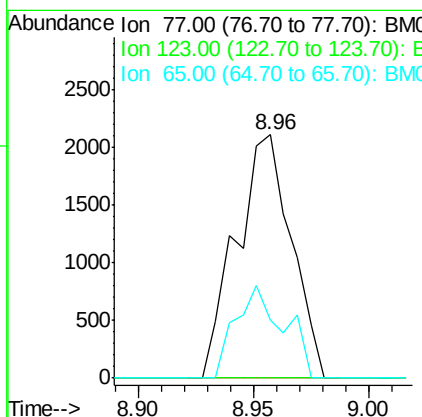
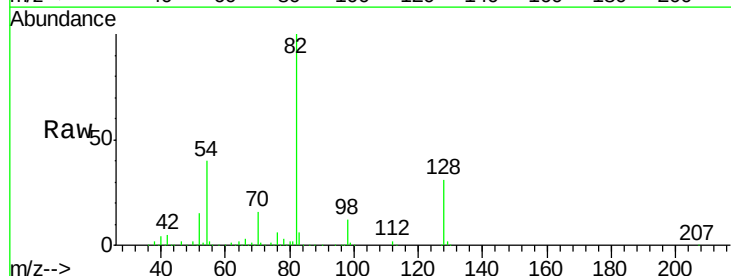
Instrument :
 BNA_M
 ClientSampleId :

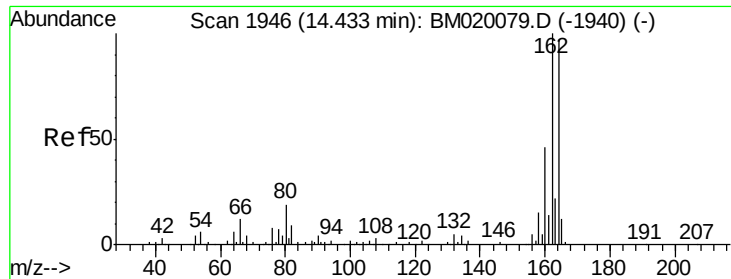
Tot Ion	82	Resp	773312
Ion Ratio	Lower	Upper	
82	100		
128	30.6	25.2	37.8
54	39.8	31.9	47.9



#24
 Nitrobenzene
 Concen: 0.432 ng
 RT: 8.96 min Scan# 1015
 Delta R.T. -0.04 min
 Lab File: BM020089.D
 Acq: 01 May 2019 14:25

Tgt Ion	77	Resp	3495
Ion Ratio	Lower	Upper	
77	100		
123	0.0	25.5	38.3#
65	23.7	11.8	17.6#

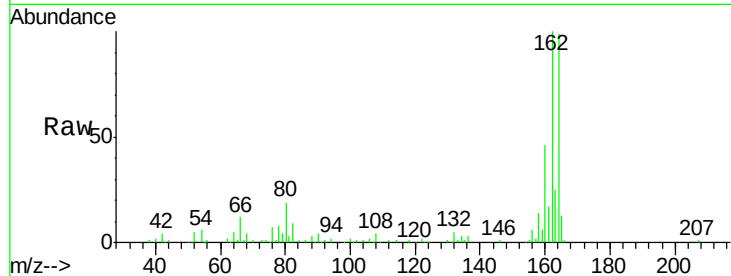




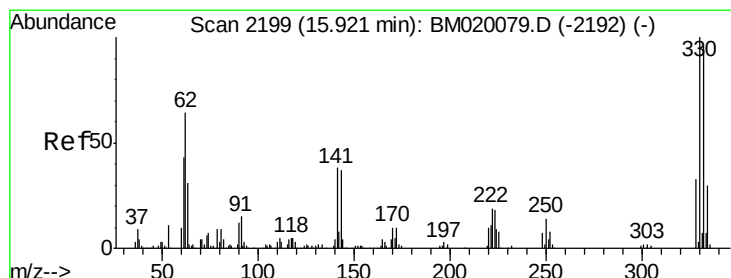
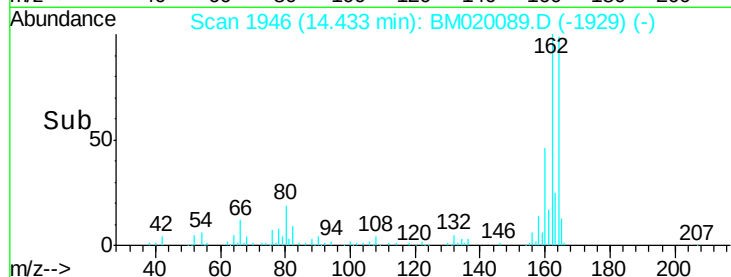
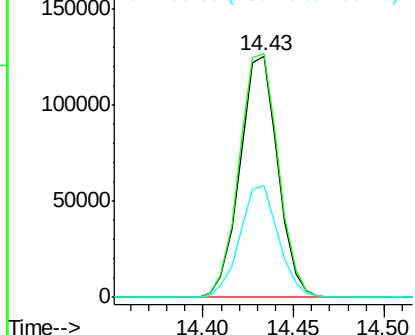
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BM020089.D
Acq: 01 May 2019 14:25

Instrument :
BNA_M
ClientSampleId :

Tot Ion:164 Resp: 181868
Ion Ratio Lower Upper
164 100
162 100.8 82.2 123.2
160 46.2 37.6 56.4

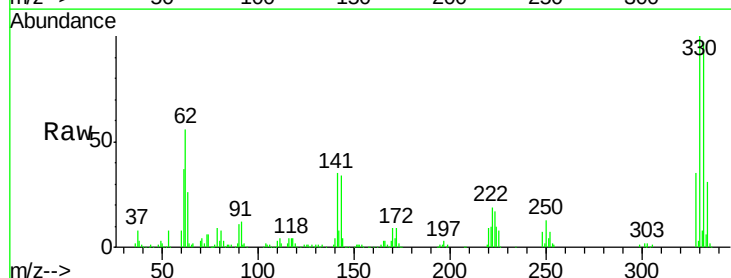


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

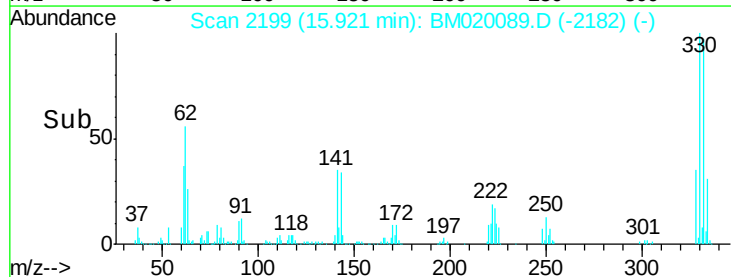
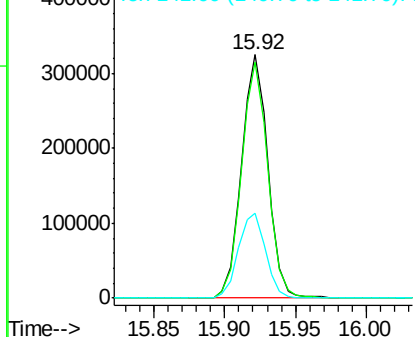


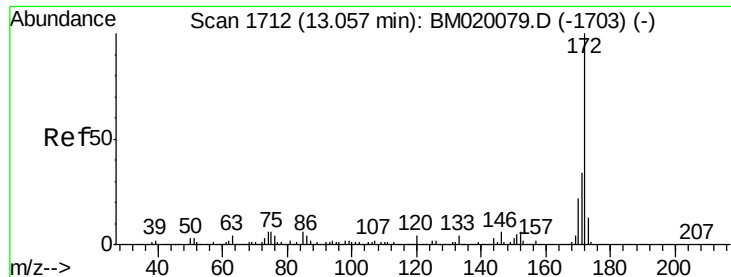
#42
2,4,6-Tribromophenol
Concen: 150.379 ng
RT: 15.92 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BM020089.D
Acq: 01 May 2019 14:25

Tgt Ion:330 Resp: 424511
Ion Ratio Lower Upper
330 100
332 96.9 76.8 115.2
141 36.2 29.2 43.8



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



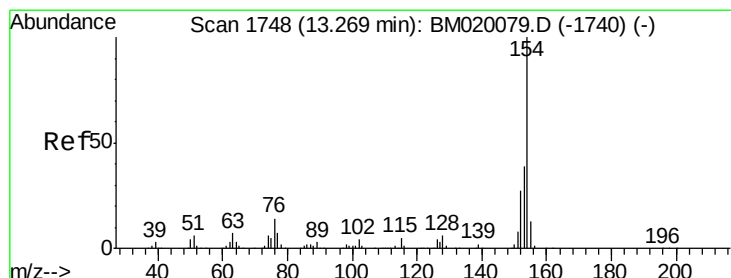
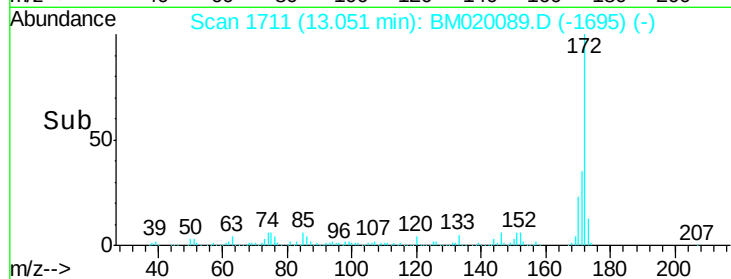
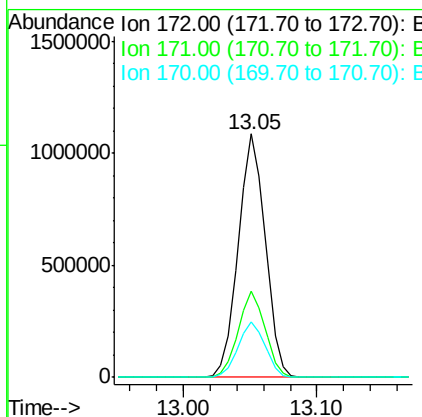
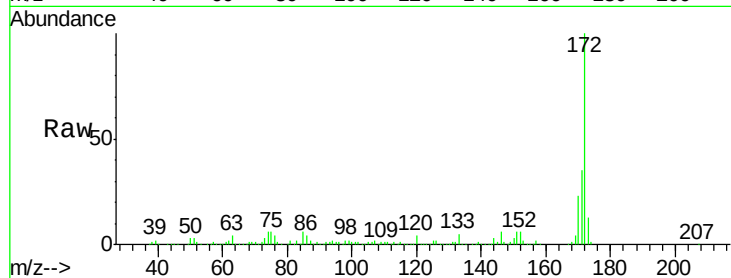


#45
 2-Fluorobiphenyl
 Concen: 102.900 ng
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BM020089.D
 Acq: 01 May 2019 14:25

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:172 Resp: 1521033

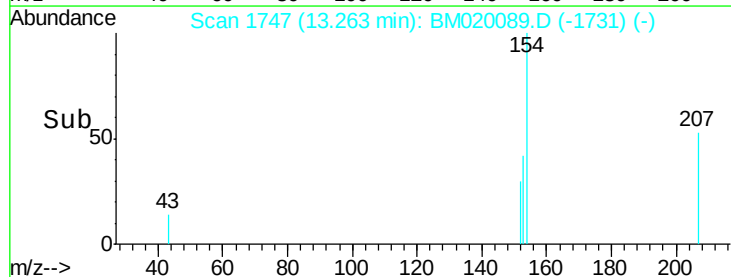
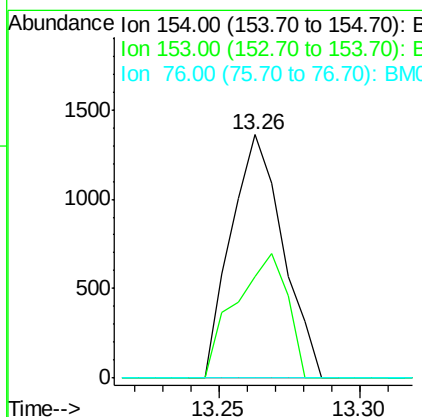
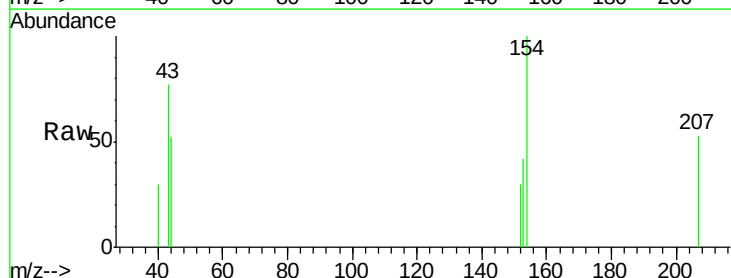
Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.3	40.9
170	22.6	17.9	26.9

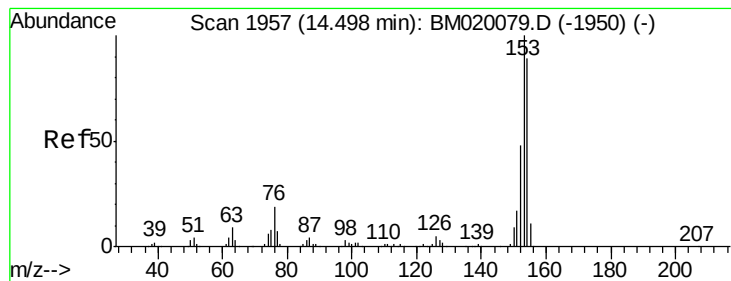


#46
 1,1'-Biphenyl
 Concen: 0.116 ng
 RT: 13.26 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: BM020089.D
 Acq: 01 May 2019 14:25

Tgt Ion:154 Resp: 1735

Ion	Ratio	Lower	Upper
154	100		
153	41.5	19.4	59.4
76	0.0	0.0	34.5





#52

Acenaphthene

Concen: 0.044 ng

RT: 14.43 min Scan# 1945

Delta R.T. -0.07 min

Lab File: BM020089.D

Acq: 01 May 2019 14:25

Instrument :

BNA_M

ClientSampleId :

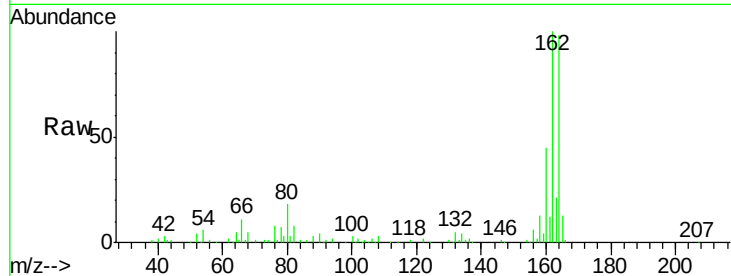
Tot Ion:154 Resp: 488

Ion Ratio Lower Upper

154 100

153 0.0 90.2 135.2#

152 0.0 43.0 64.4#



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

14.43

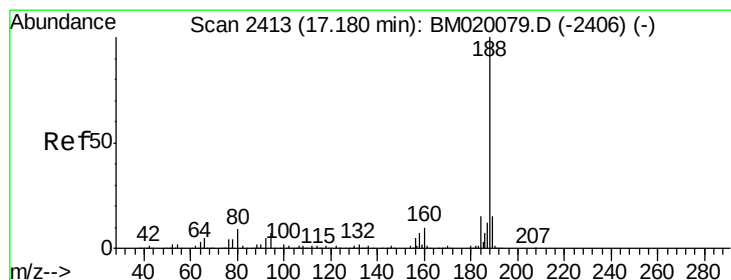
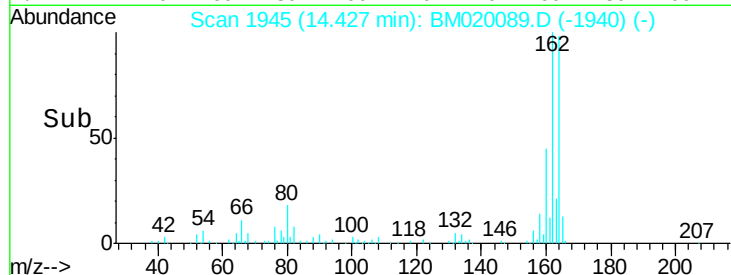
600

400

200

0

Time--> 14.40 14.42 14.44 14.46



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.17 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM020089.D

Acq: 01 May 2019 14:25

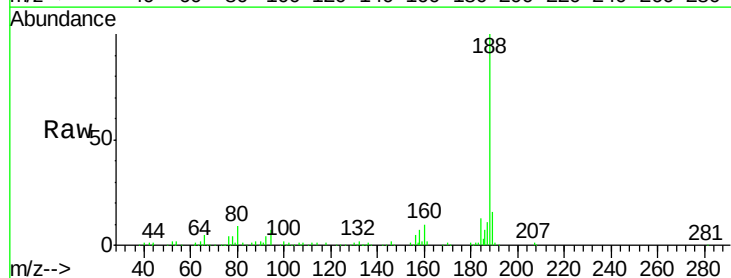
Tgt Ion:188 Resp: 417200

Ion Ratio Lower Upper

188 100

94 7.0 5.8 8.6

80 8.8 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

17.17

400000

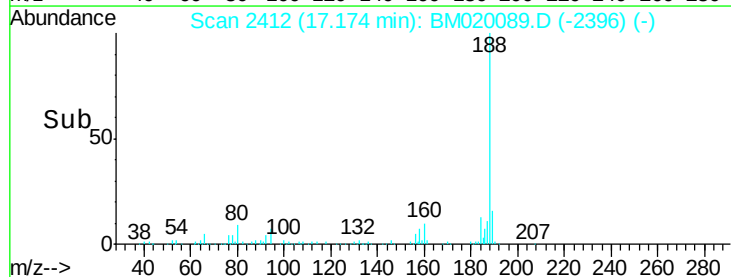
300000

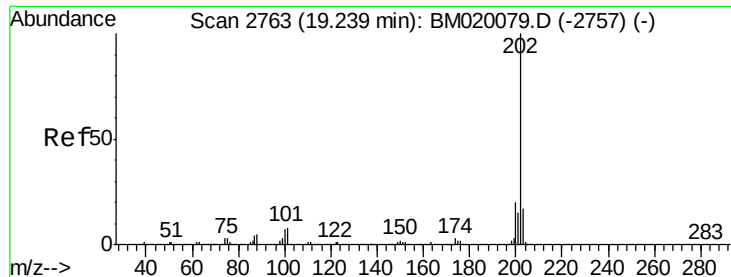
200000

100000

0

Time--> 17.10 17.15 17.20 17.25





#75

Fluoranthene

Concen: 0.004 ng

RT: 19.23 min Scan# 2762

Delta R.T. -0.01 min

Lab File: BM020089.D

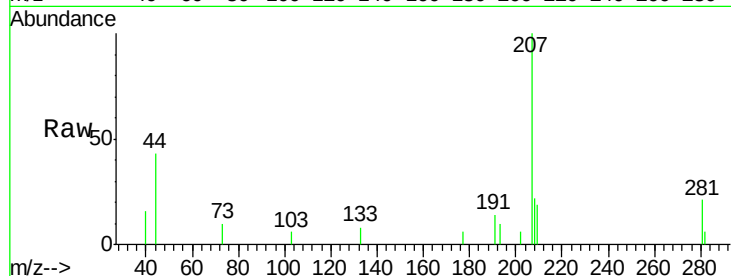
Acq: 01 May 2019 14:25

Instrument :

BNA_M

ClientSampled :

Tot Ion:	202	Resp:	123
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	28.4
203	0.0	0.0	37.4



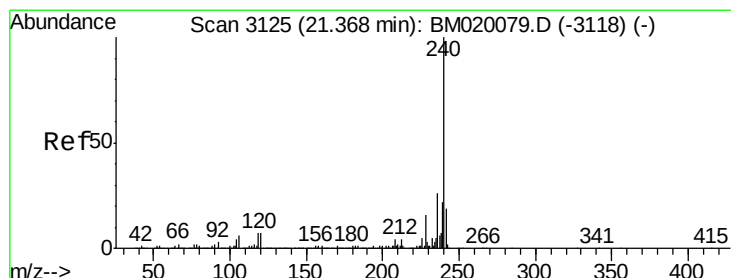
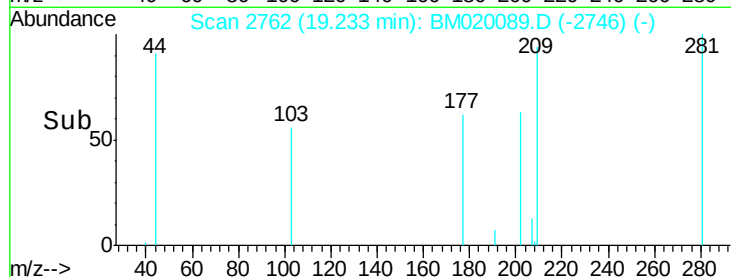
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.23

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

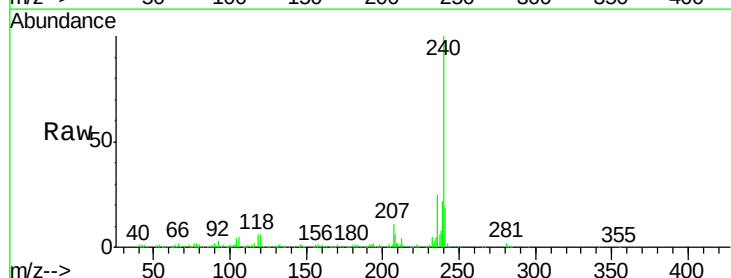
RT: 21.36 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BM020089.D

Acq: 01 May 2019 14:25

Tgt Ion:	240	Resp:	413257
Ion	Ratio	Lower	Upper
240	100		
120	6.1	5.6	8.4
236	25.5	20.9	31.3



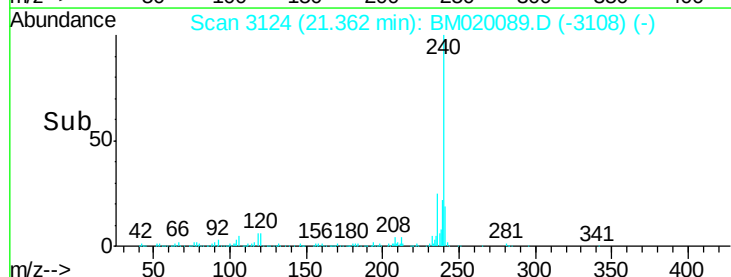
Abundance Ion 240.00 (239.70 to 240.70): E

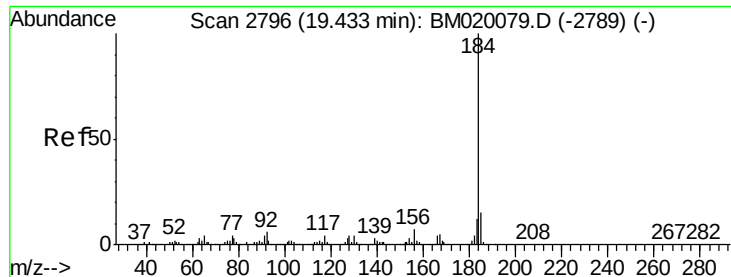
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.36

Time-->





#77

Benzidine

Concen: 0.018 ng

RT: 19.44 min Scan# 2798

Delta R.T. 0.01 min

Lab File: BM020089.D

Acq: 01 May 2019 14:25

Instrument :

BNA_M

ClientSampleId :

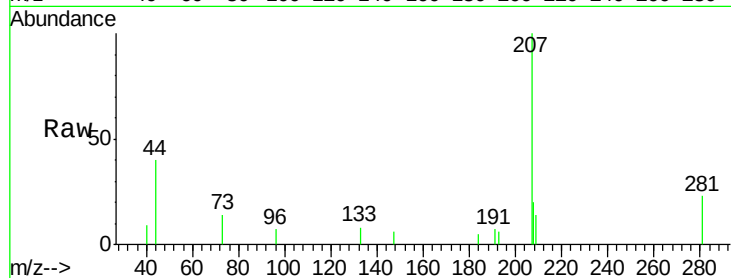
Tot Ion:184 Resp: 232

Ion Ratio Lower Upper

184 100

185 0.0 12.0 18.0#

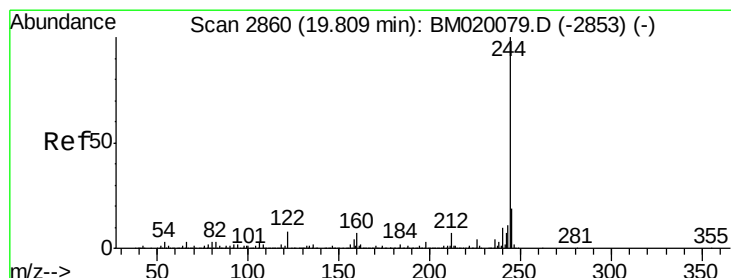
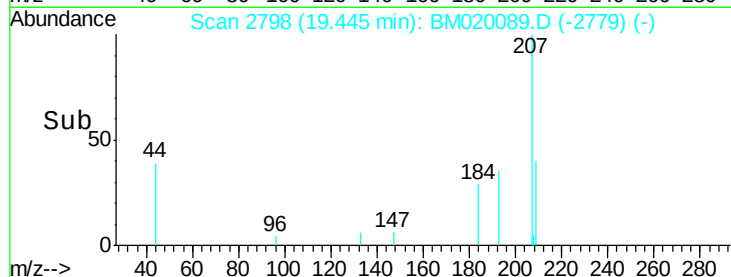
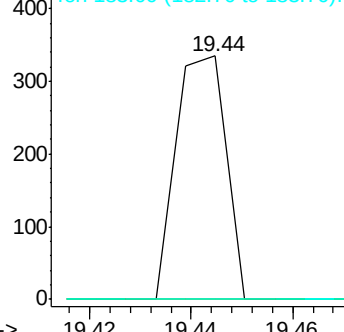
183 0.0 9.5 14.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 105.856 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020089.D

Acq: 01 May 2019 14:25

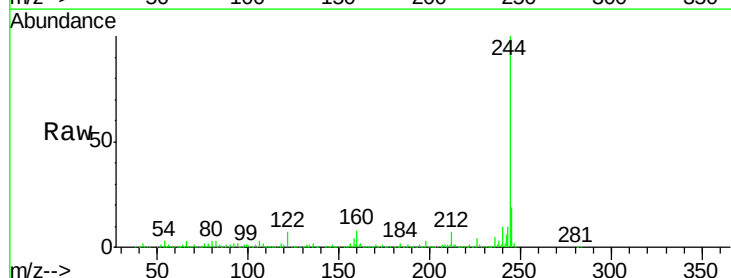
Tgt Ion:244 Resp: 2508048

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

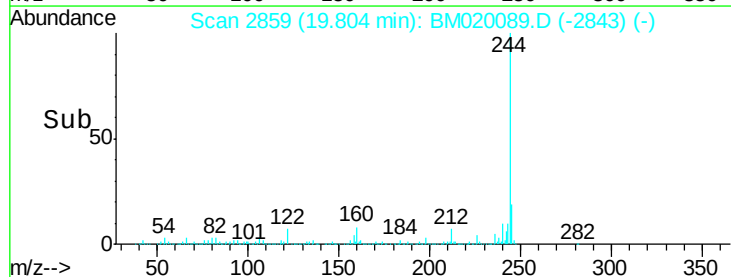
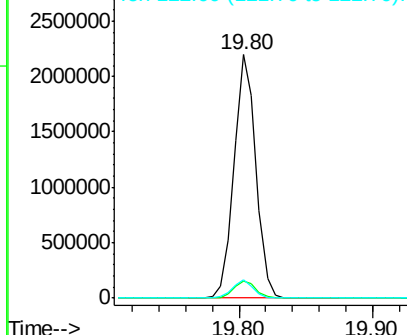
122 7.4 6.2 9.2

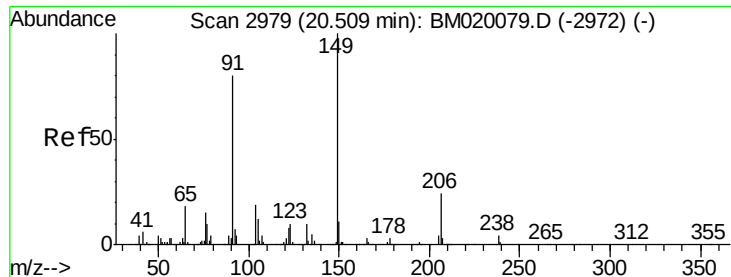


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

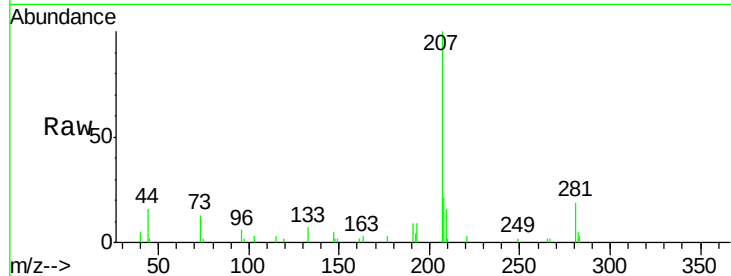




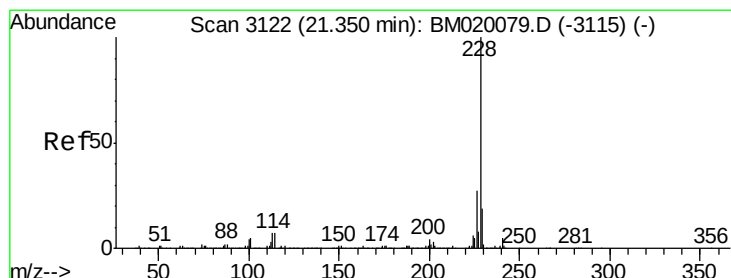
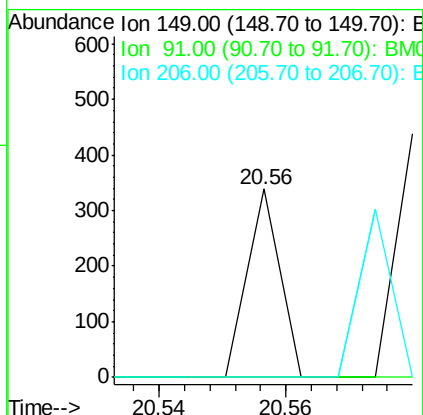
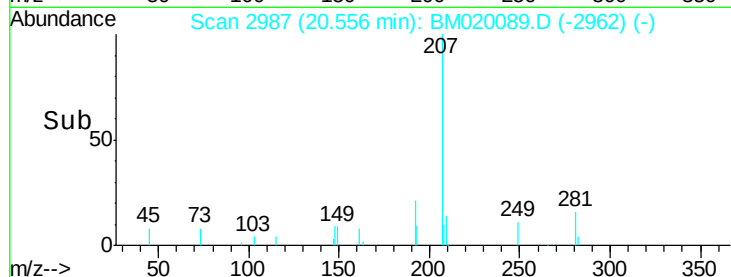
#80
Butylbenzylphthalate
Concen: 0.012 ng
RT: 20.56 min Scan# 2987
Delta R.T. 0.05 min
Lab File: BM020089.D
Acq: 01 May 2019 14:25

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
91	0.0	63.8	95.8#
206	0.0	18.9	28.3#

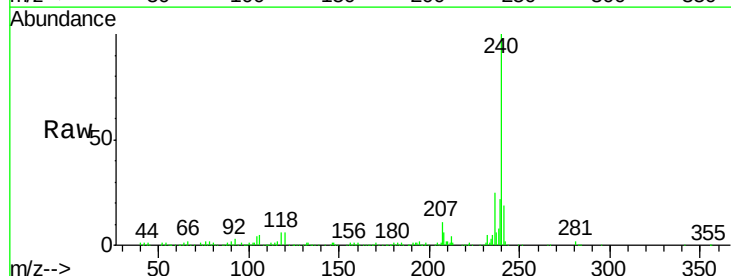


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM0
Ion 206.00 (205.70 to 206.70): E

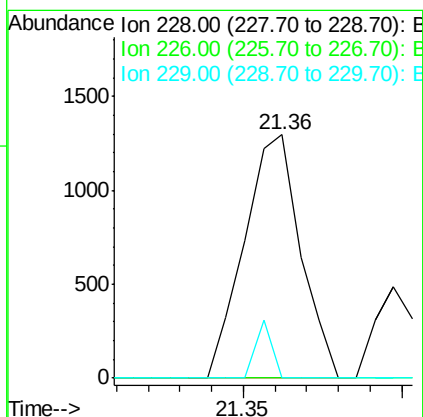
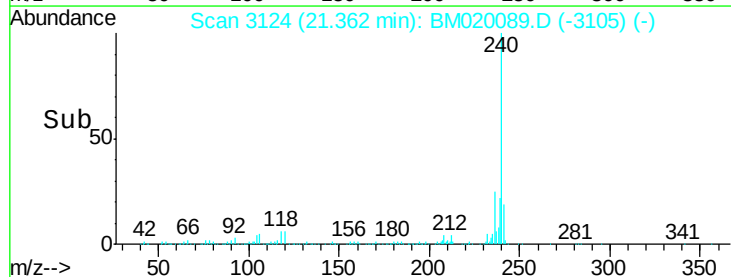


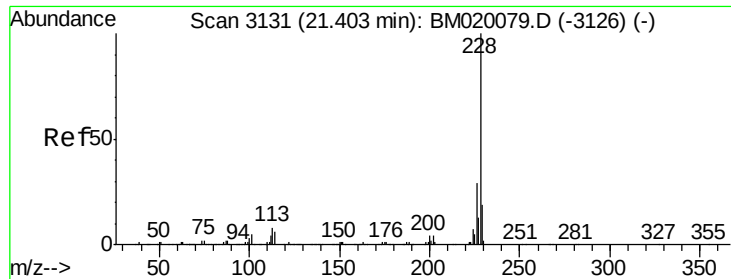
#81
Benzo(a)anthracene
Concen: 0.055 ng
RT: 21.36 min Scan# 3124
Delta R.T. 0.01 min
Lab File: BM020089.D
Acq: 01 May 2019 14:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	21.3	31.9#
229	0.0	15.5	23.3#



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





#83

Chrysene

Concen: 0.014 ng

RT: 21.40 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM020089.D

Acq: 01 May 2019 14:25

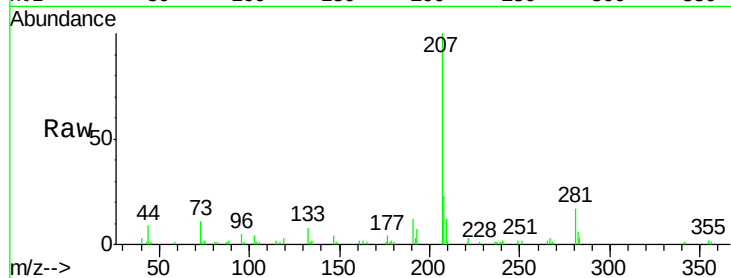
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 393

Ion	Ratio	Lower	Upper
228	100		
226	0.0	23.0	34.6#
229	0.0	15.5	23.3#



Abundance Ion 228.00 (227.70 to 228.70): E

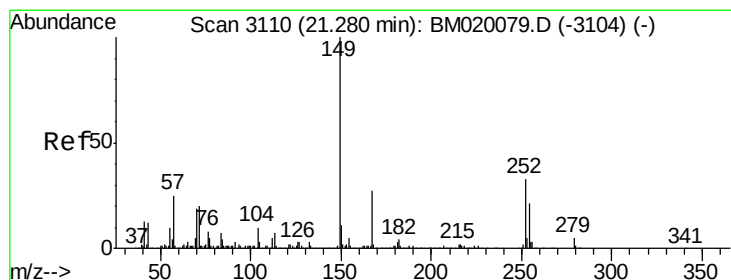
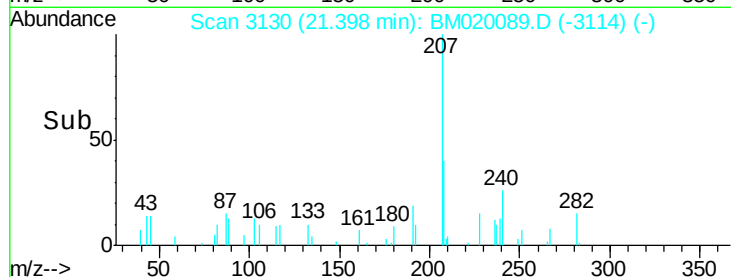
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.40

21.38 21.40 21.42

Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.067 ng

RT: 21.26 min Scan# 3107

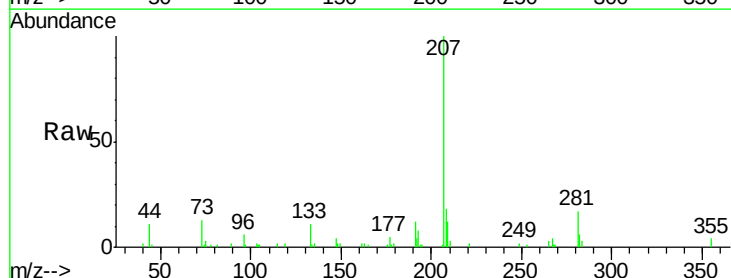
Delta R.T. -0.02 min

Lab File: BM020089.D

Acq: 01 May 2019 14:25

Tgt Ion:149 Resp: 1043

Ion	Ratio	Lower	Upper
149	100		
167	0.0	21.8	32.8#
279	0.0	4.2	6.2#



Abundance Ion 149.00 (148.70 to 149.70): E

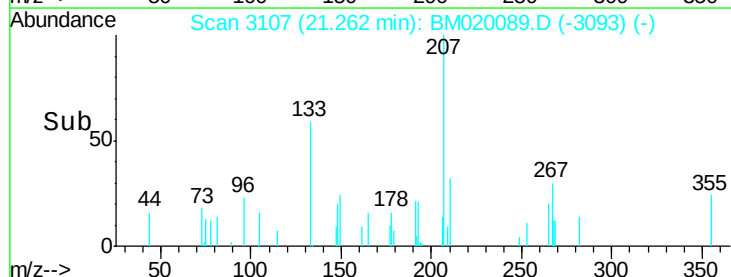
Ion 167.00 (166.70 to 167.70): E

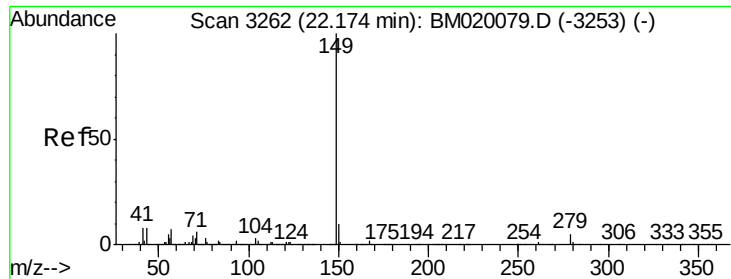
Ion 279.00 (278.70 to 279.70): E

21.26

21.24 21.26 21.28

Time-->

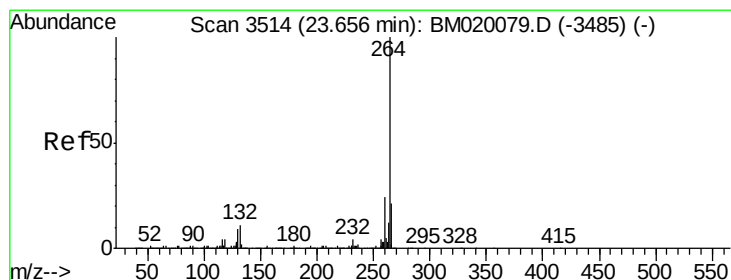
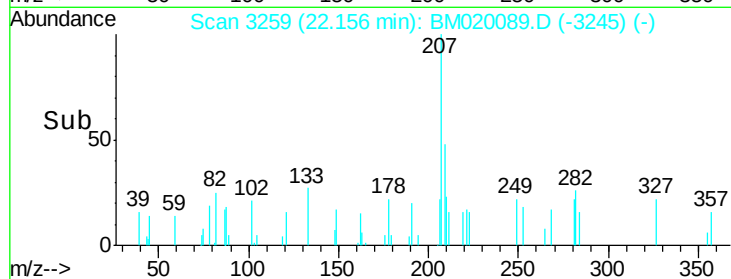
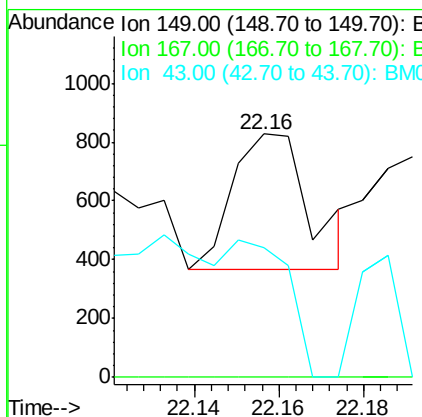
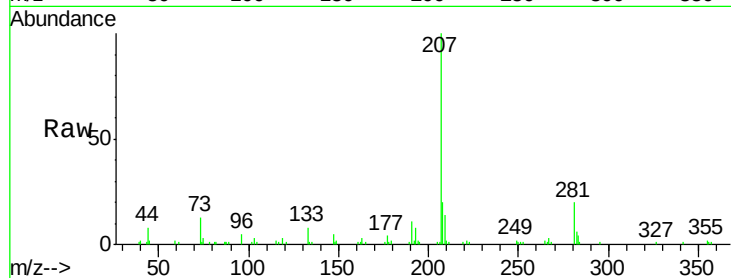




#85
Di-n-octyl phthalate
Concen: 0.023 ng
RT: 22.16 min Scan# 3259
Delta R.T. -0.02 min
Lab File: BM020089.D
Acq: 01 May 2019 14:25

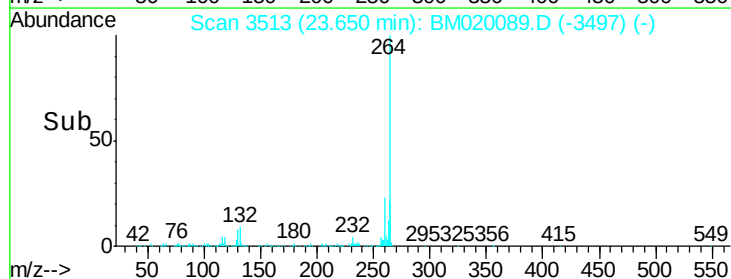
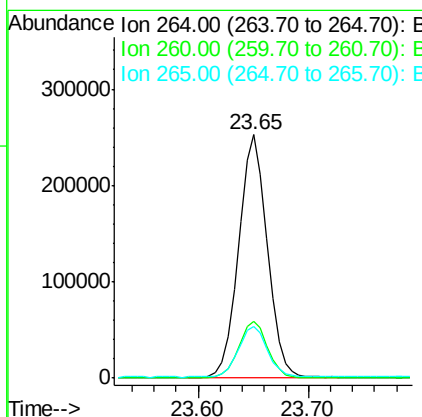
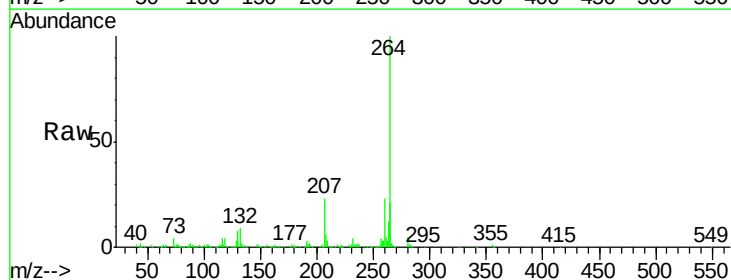
Instrument :
BNA_M
ClientSampleId :

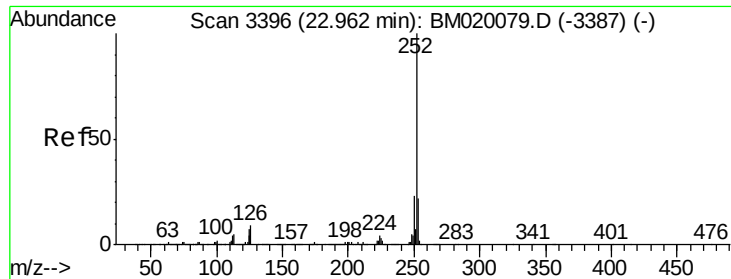
Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.3	1.9#
43	0.0	6.5	9.7#



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.65 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BM020089.D
Acq: 01 May 2019 14:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.3	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 0.006 ng

RT: 22.95 min Scan# 3394

Delta R.T. -0.01 min

Lab File: BM020089.D

Acq: 01 May 2019 14:25

Instrument :

BNA_M

ClientSampleId :

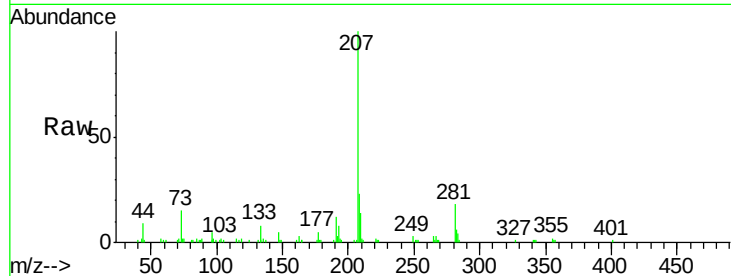
Tot Ion:252 Resp: 190

Ion Ratio Lower Upper

252 100

253 73.3 17.5 26.3#

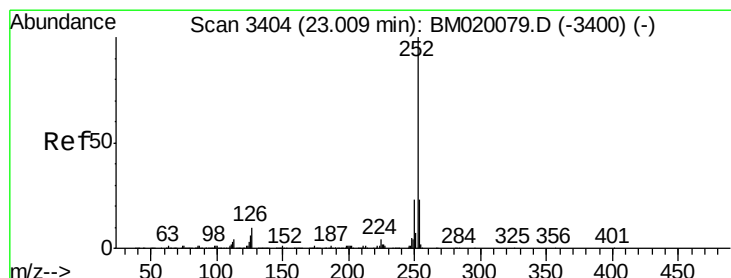
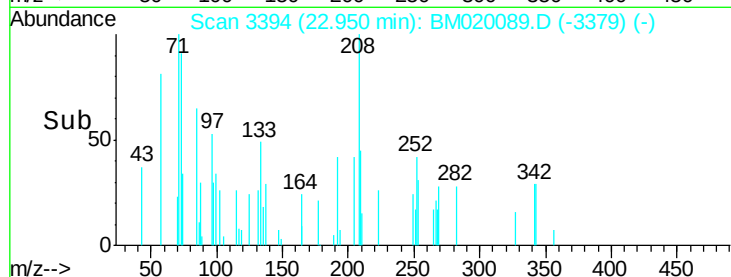
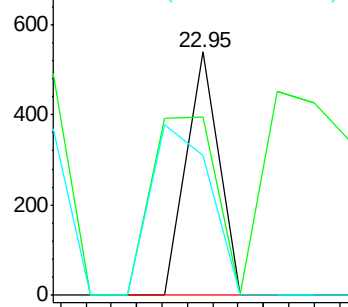
125 57.7 5.4 8.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 0.006 ng

RT: 23.01 min Scan# 3404

Delta R.T. 0.00 min

Lab File: BM020089.D

Acq: 01 May 2019 14:25

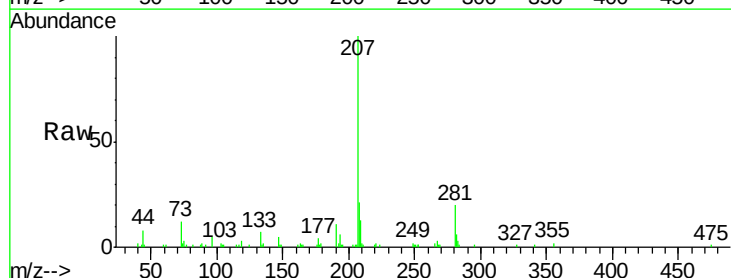
Tgt Ion:252 Resp: 176

Ion Ratio Lower Upper

252 100

253 89.4 17.8 26.8#

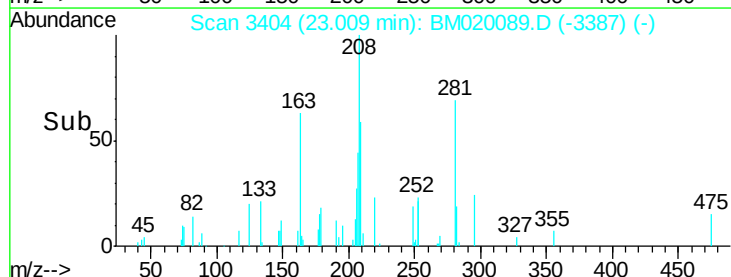
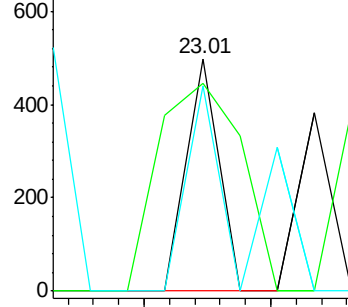
125 88.4 5.4 8.0#

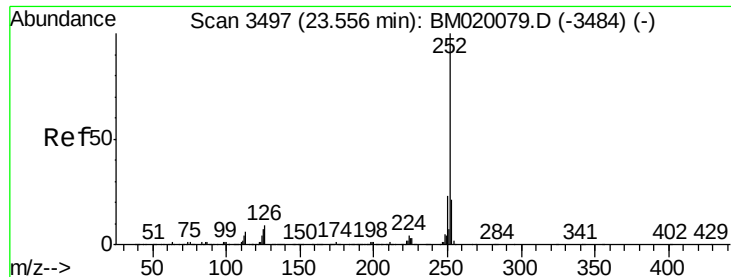


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.004 ng

RT: 23.56 min Scan# 3498

Delta R.T. 0.01 min

Lab File: BM020089.D

Acq: 01 May 2019 14:25

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 252 Resp: 107

Ion Ratio Lower Upper

252 100

253 0.0 17.0 25.6#

125 0.0 5.5 8.3#

