

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050819\
 Data File : BM020208.D
 Acq On : 08 May 2019 23:13
 Operator : JU/SJ
 Sample : K2643-03 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-050719-B

Quant Time: May 09 02:09:26 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	181194	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	645089	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	357324	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	783200	20.00	ng	0.00
76) Chrysene-d12	21.36	240	793689	20.00	ng	0.00
87) Perylene-d12	23.66	264	936836	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	251167	22.66	ng	0.00
7) Phenol-d6	6.95	99	339014	22.39	ng	0.00
23) Nitrobenzene-d5	8.95	82	239379	14.65	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	120098	21.65	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	422875	14.56	ng	-0.01
79) Terphenyl-d14	19.80	244	567499	12.47	ng	0.00

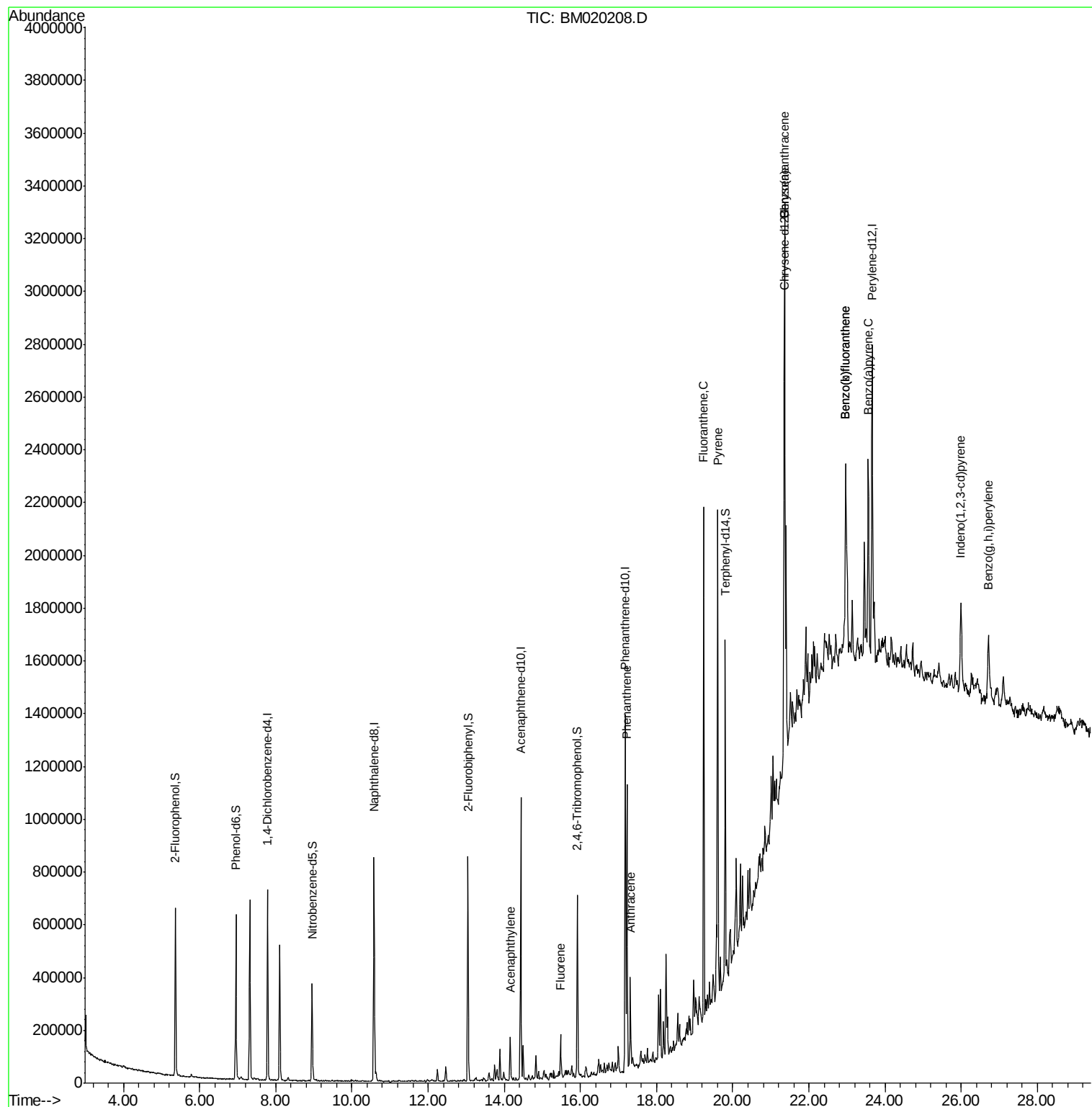
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	14.16	152	116232	3.093	ng	98
58) Fluorene	15.48	166	74601	2.499	ng	98
71) Phenanthrene	17.22	178	602119	13.927	ng	99
72) Anthracene	17.31	178	215859	4.994	ng	98
75) Fluoranthene	19.24	202	1142646	20.889	ng	99
78) Pyrene	19.60	202	1110347	20.837	ng	99
81) Benzo(a)anthracene	21.35	228	571386	10.265	ng	95
83) Chrysene	21.35	228	558160	10.340	ng	97
86) Indeno(1,2,3-cd)pyrene	25.99	276	353158	5.500	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	920433	14.878	ng	# 93
89) Benzo(k)fluoranthene	22.96	252	913828	16.194	ng	# 94
90) Benzo(a)pyrene	23.56	252	565458	10.063	ng	# 93
92) Benzo(g,h,i)perylene	26.71	276	346244	6.241	ng	97

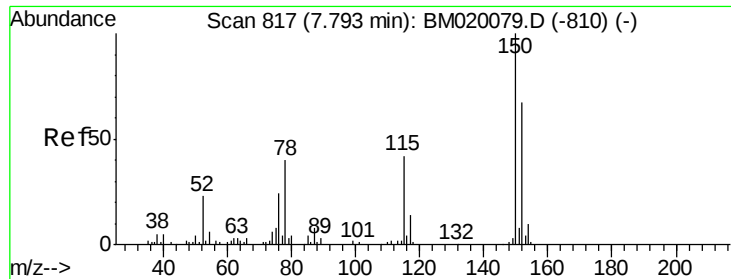
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050819\
Data File : BM020208.D
Acq On : 08 May 2019 23:13
Operator : JU/SJ
Sample : K2643-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-03-050719-B

Quant Time: May 09 02:09:26 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



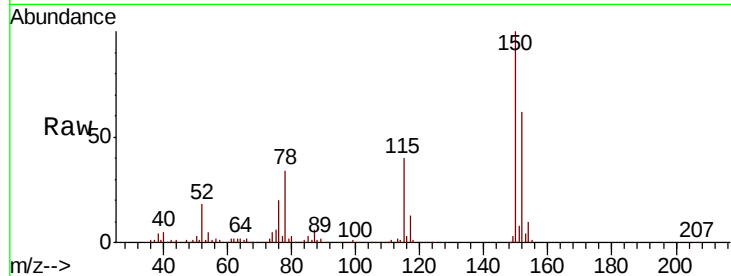


#1

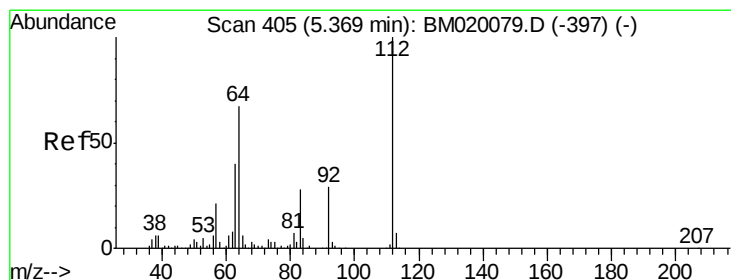
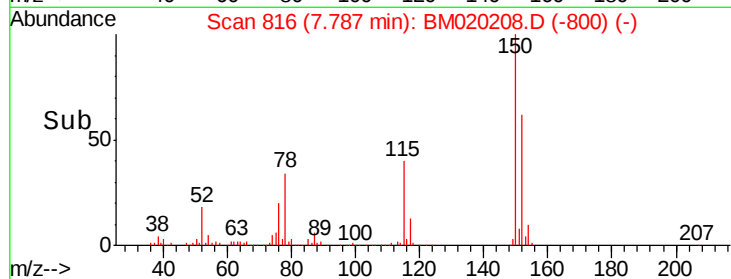
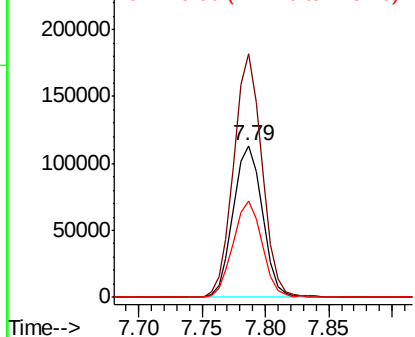
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020208.D
Acq: 08 May 2019 23:13

Instrument :
BNA_M
ClientSampleId :
OR-03-050719-B

Tgt Ion:152 Resp: 181194
Ion Ratio Lower Upper
152 100
150 160.4 119.8 179.8
115 63.7 50.8 76.2



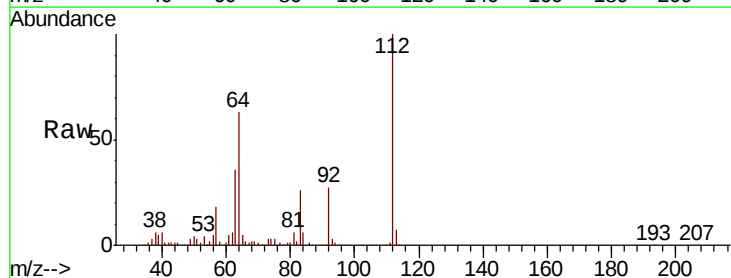
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



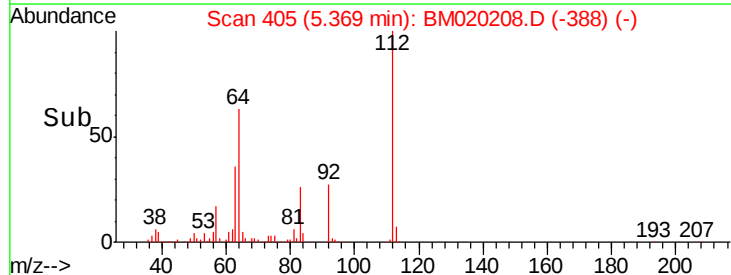
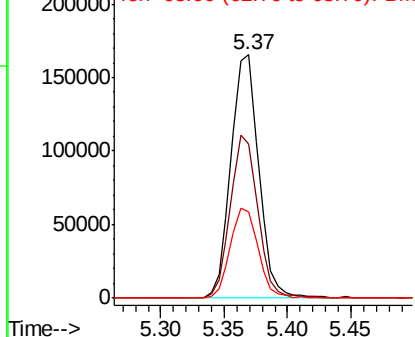
#5

2-Fluorophenol
Concen: 22.658 ng
RT: 5.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: BM020208.D
Acq: 08 May 2019 23:13

Tgt Ion:112 Resp: 251167
Ion Ratio Lower Upper
112 100
64 63.4 53.8 80.6
63 35.6 32.3 48.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 22.387 ng

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

ClientSampleId :

OR-03-050719-B

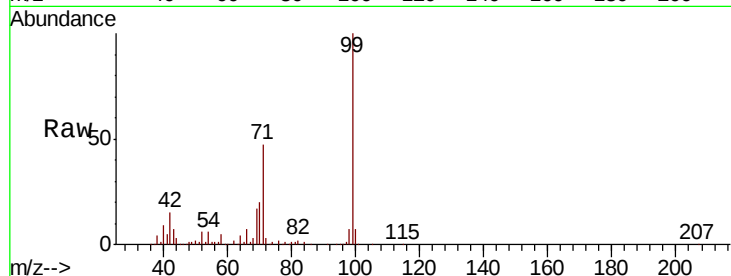
Tgt Ion: 99 Resp: 339014

Ion Ratio Lower Upper

99 100

42 14.7 14.2 21.2

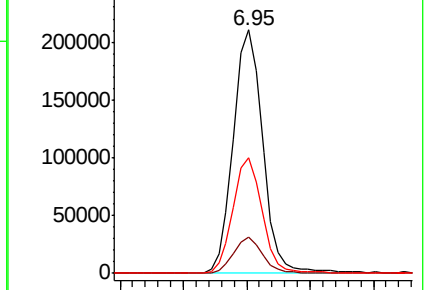
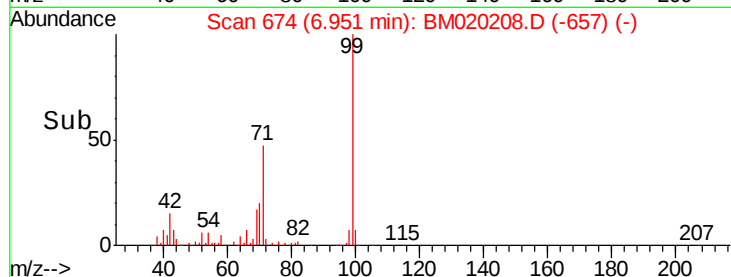
71 47.4 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020208.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020208.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020208.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.58 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Tgt Ion: 136 Resp: 645089

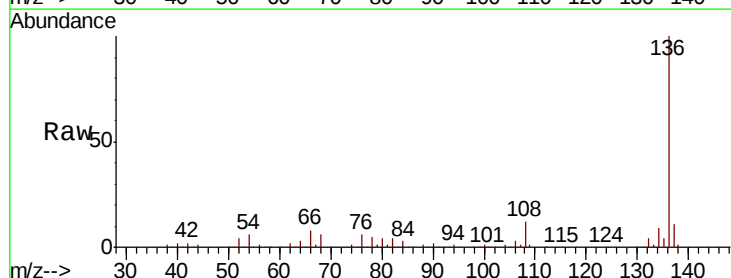
Ion Ratio Lower Upper

136 100

137 10.9 9.6 14.4

54 6.3 5.5 8.3

68 6.4 4.6 6.8

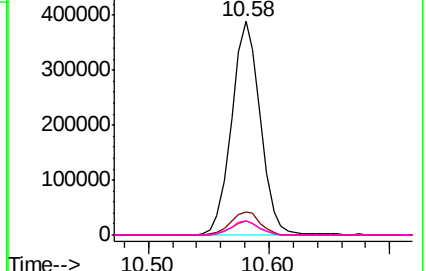
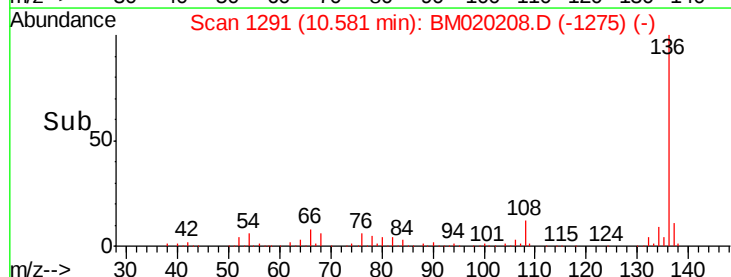


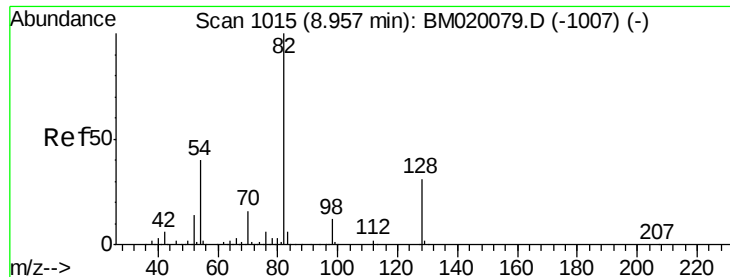
Abundance Ion 136.00 (135.70 to 136.70): BM020208.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020208.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020208.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020208.D (-1275) (-)

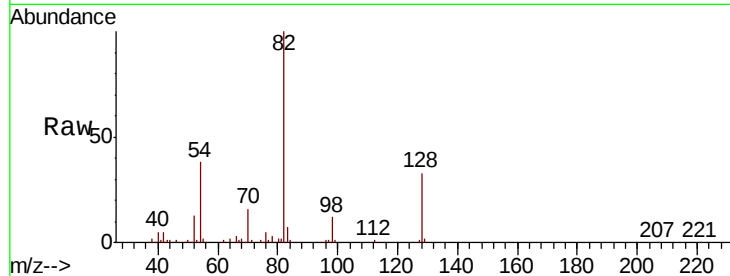




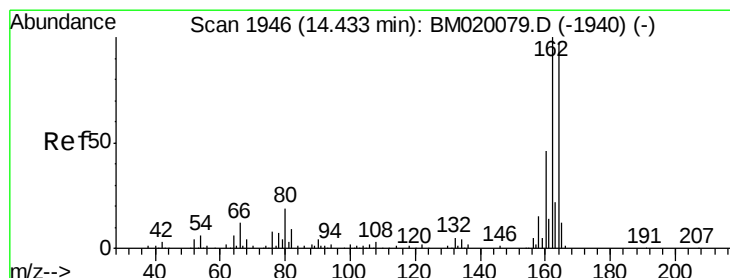
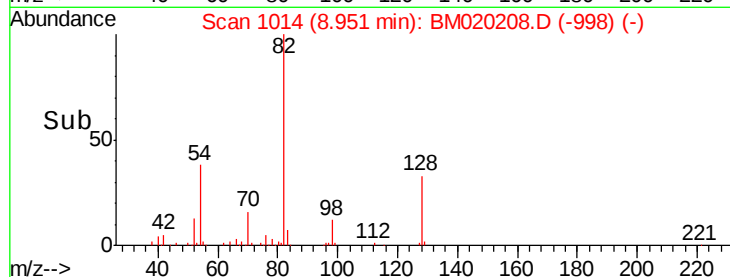
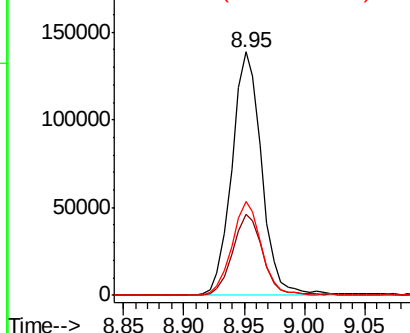
#23
Nitrobenzene-d5
Concen: 14.650 ng
RT: 8.95 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BM020208.D
Acq: 08 May 2019 23:13

Instrument :
BNA_M
ClientSampleId :
OR-03-050719-B

Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.5	25.2	37.8
54	38.4	31.9	47.9

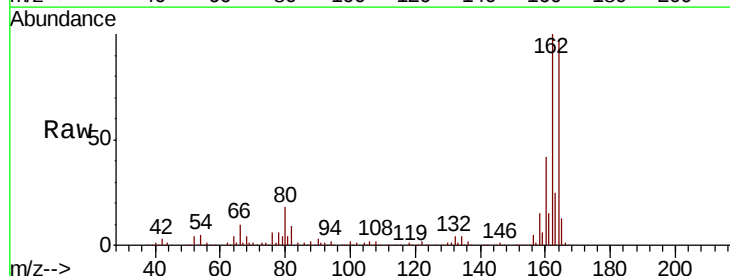


Abundance Ion 82.00 (81.70 to 82.70): BM020079.D (-1007) (-)

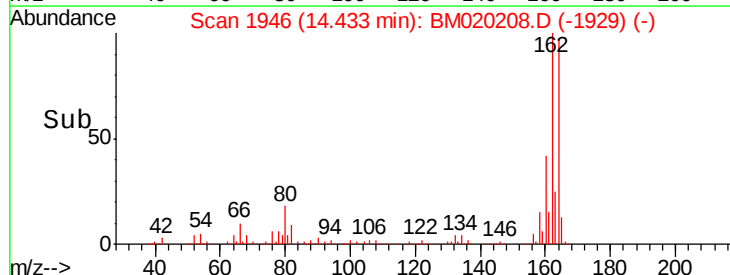
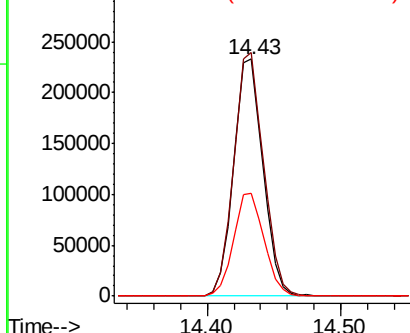


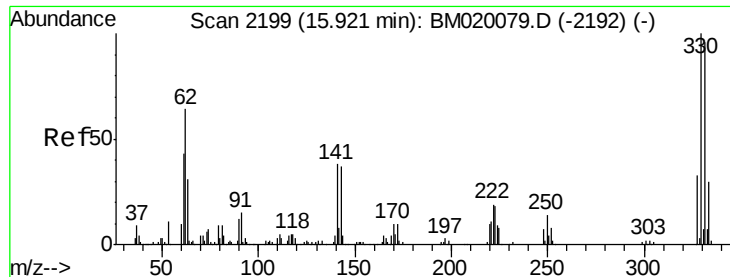
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BM020208.D
Acq: 08 May 2019 23:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	43.4	37.6	56.4



Abundance Ion 164.00 (163.70 to 164.70): BM020079.D (-1940) (-)

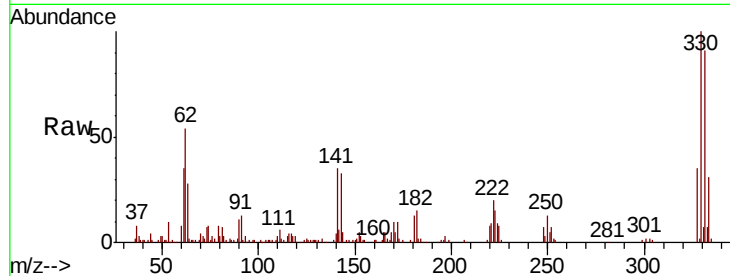




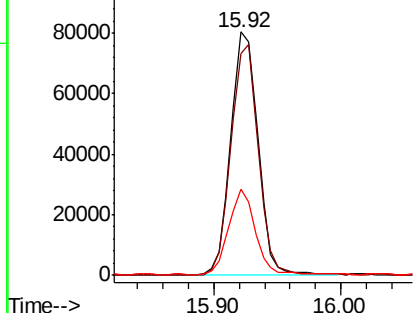
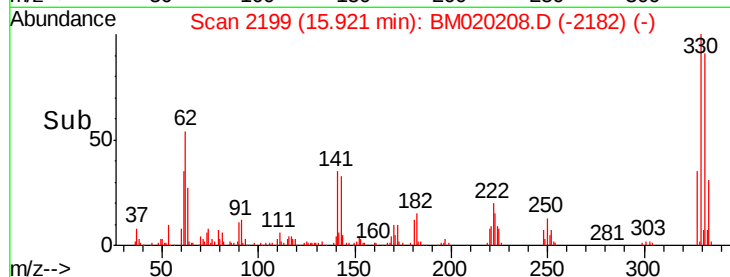
#42
 2,4,6-Tribromophenol
 Concen: 21.654 ng
 RT: 15.92 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: BM020208.D
 Acq: 08 May 2019 23:13

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-050719-B

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.8	115.2
141	35.3	29.2	43.8

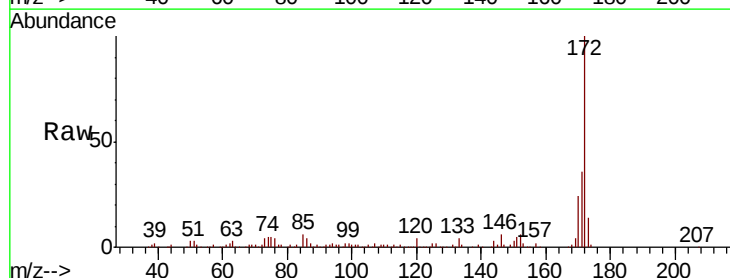


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

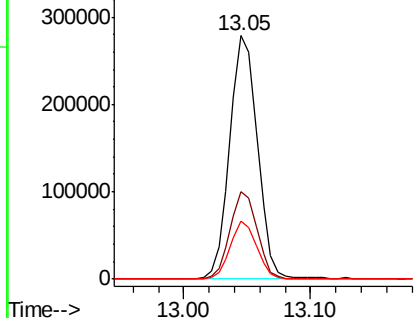
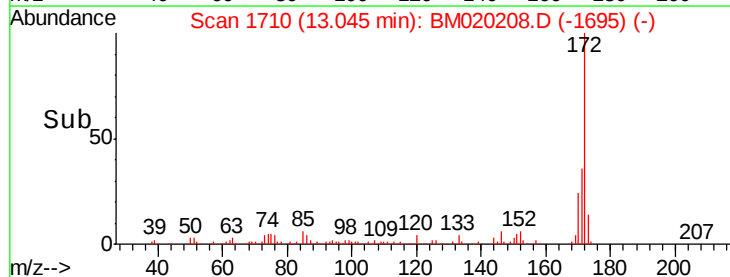


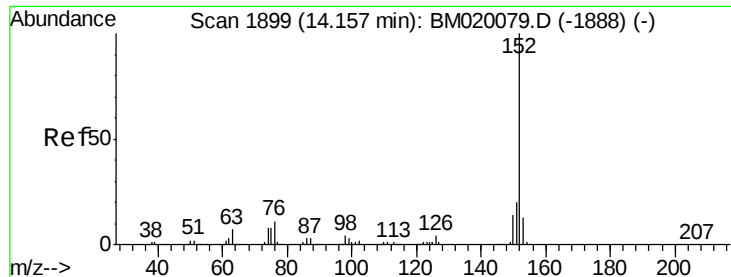
#45
 2-Fluorobiphenyl
 Concen: 14.561 ng
 RT: 13.05 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BM020208.D
 Acq: 08 May 2019 23:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.3	40.9
170	23.7	17.9	26.9



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





#49

Acenaphthylene

Concen: 3.093 ng

RT: 14.16 min Scan# 1899

Delta R.T. -0.00 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

ClientSampleId :

OR-03-050719-B

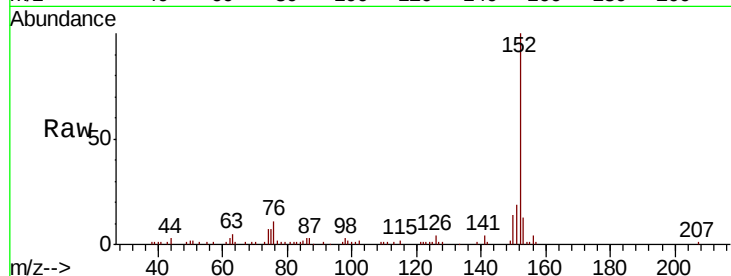
Tgt Ion:152 Resp: 116232

Ion Ratio Lower Upper

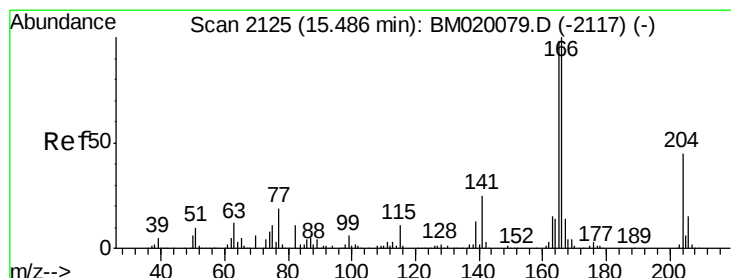
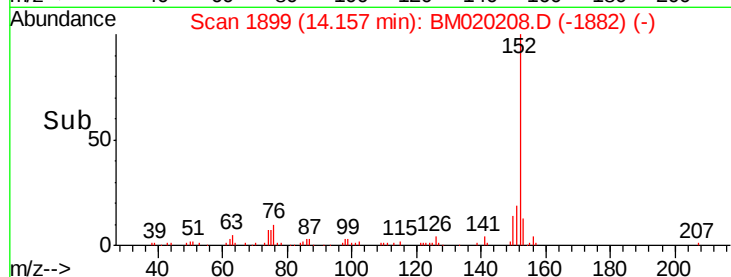
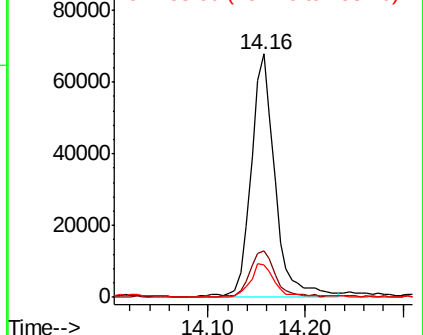
152 100

151 19.0 16.2 24.2

153 13.2 10.6 16.0



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



#58

Fluorene

Concen: 2.499 ng

RT: 15.48 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

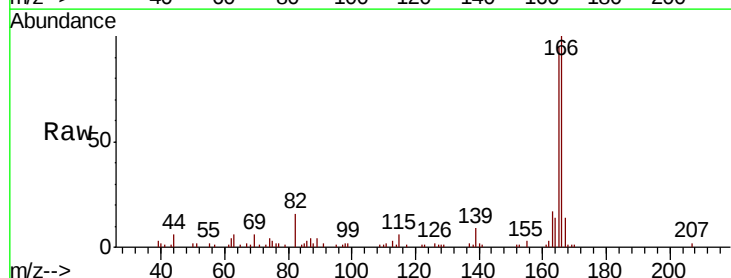
Tgt Ion:166 Resp: 74601

Ion Ratio Lower Upper

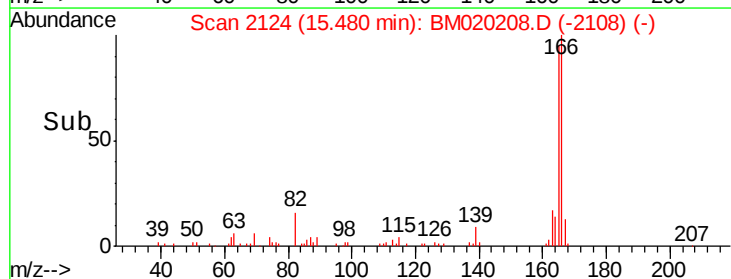
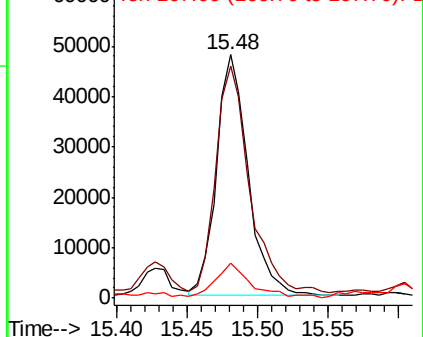
166 100

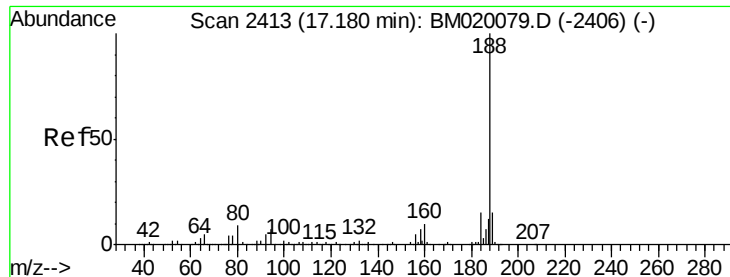
165 95.5 78.2 117.2

167 14.2 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

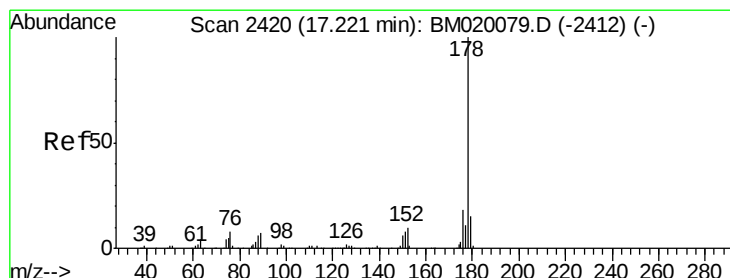
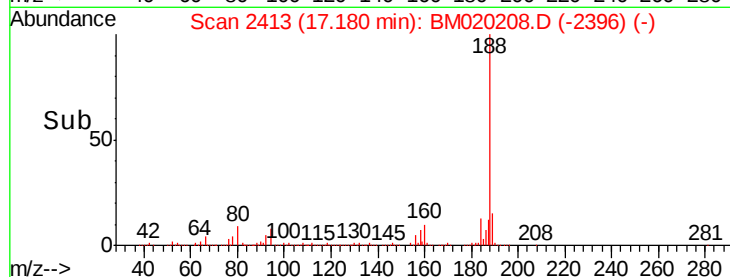
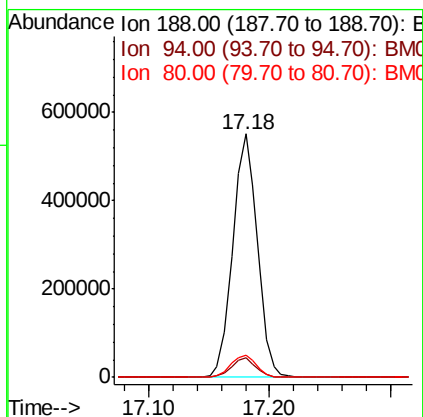
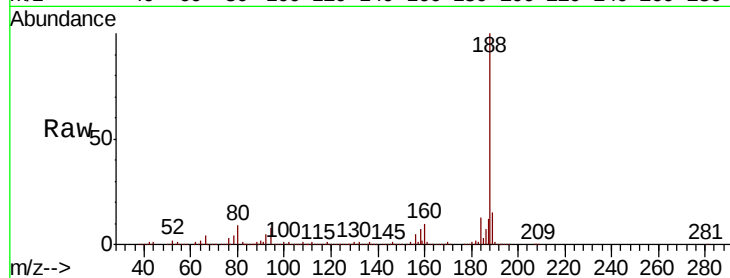




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.18 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BM020208.D
 Acq: 08 May 2019 23:13

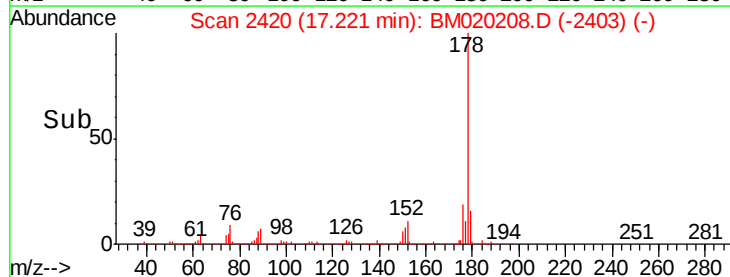
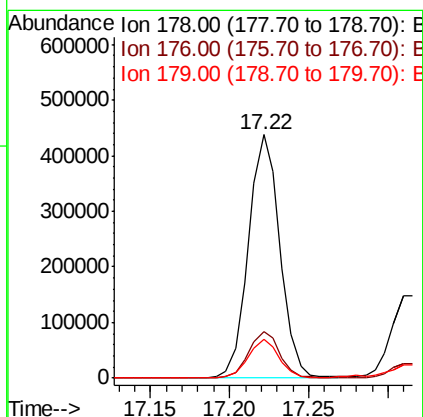
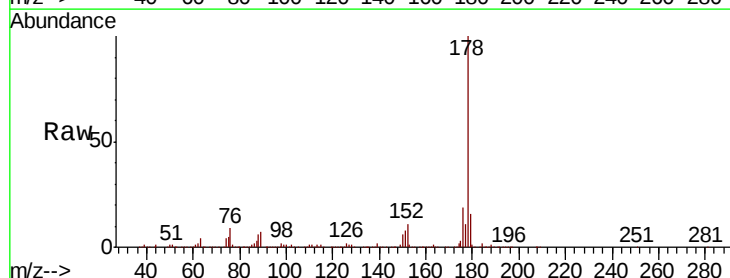
Instrument :
 BNA_M
 ClientSampleId :
 OR-03-050719-B

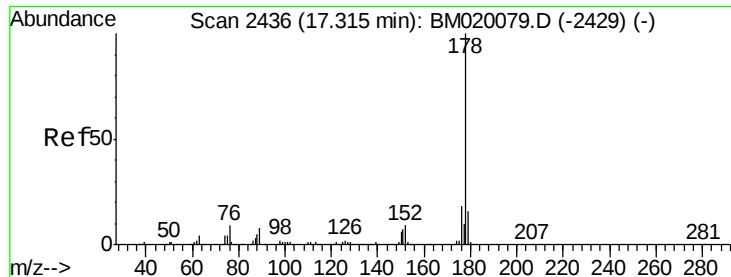
Tgt Ion:188 Resp: 783200
 Ion Ratio Lower Upper
 188 100
 94 8.1 5.8 8.6
 80 9.3 7.4 11.2



#71
 Phenanthrene
 Concen: 13.927 ng
 RT: 17.22 min Scan# 2420
 Delta R.T. -0.00 min
 Lab File: BM020208.D
 Acq: 08 May 2019 23:13

Tgt Ion:178 Resp: 602119
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.6 21.8
 179 15.8 12.4 18.6





#72

Anthracene

Concen: 4.994 ng

RT: 17.31 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

ClientSampleId :

OR-03-050719-B

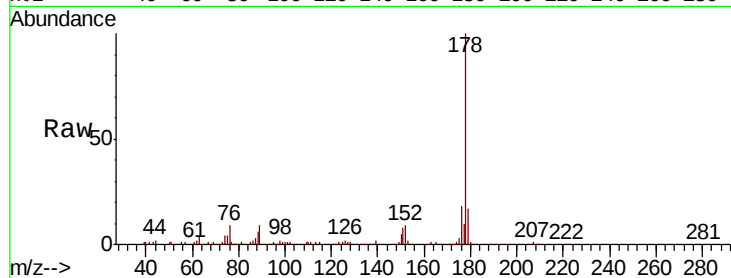
Tgt Ion:178 Resp: 215859

Ion Ratio Lower Upper

178 100

176 17.6 14.6 22.0

179 16.7 12.4 18.6

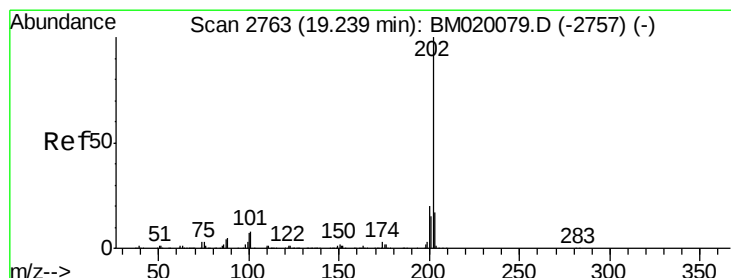
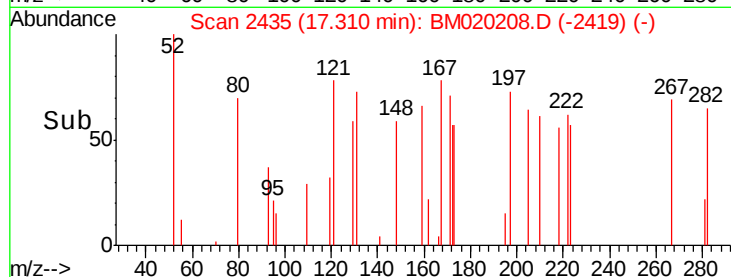
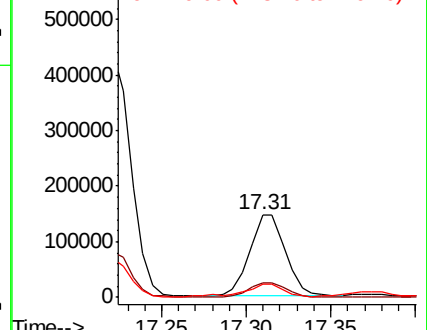


Abundance

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



#75

Fluoranthene

Concen: 20.889 ng

RT: 19.24 min Scan# 2763

Delta R.T. -0.00 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

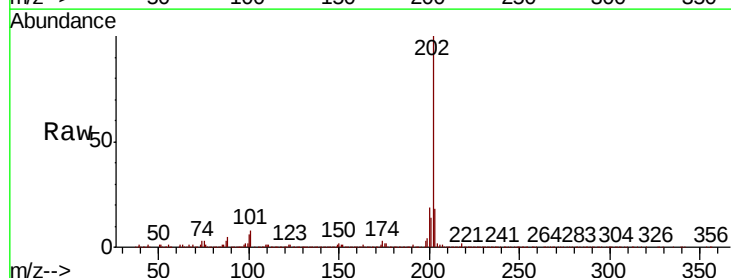
Tgt Ion:202 Resp: 1142646

Ion Ratio Lower Upper

202 100

101 8.4 0.0 28.4

203 18.1 0.0 37.4

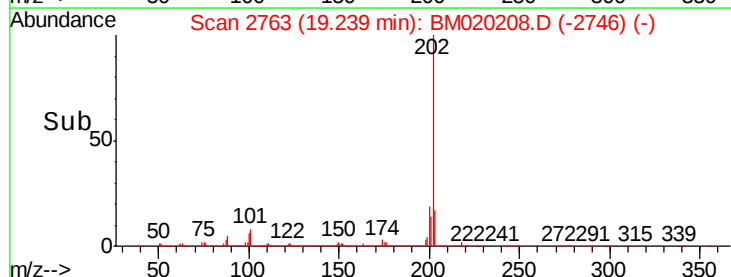
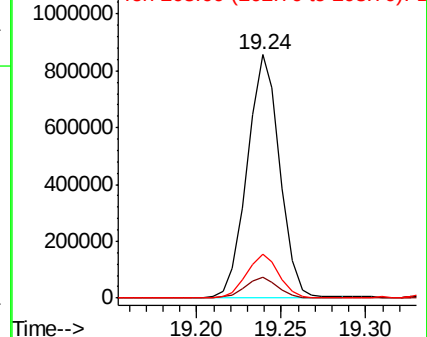


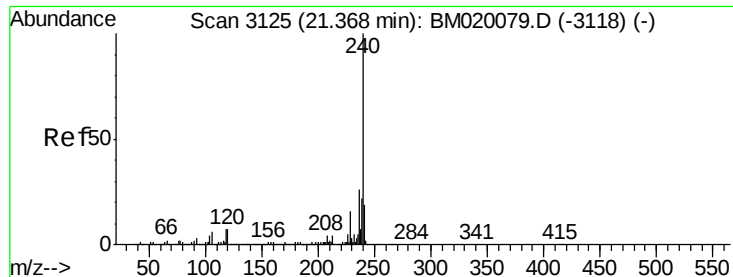
Abundance

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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.36 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

ClientSampleId :

OR-03-050719-B

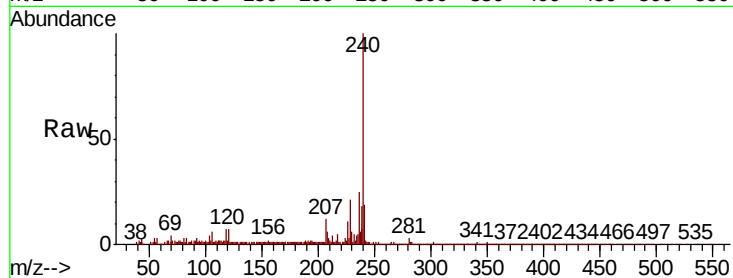
Tgt Ion:240 Resp: 793689

Ion Ratio Lower Upper

240 100

120 7.3 5.6 8.4

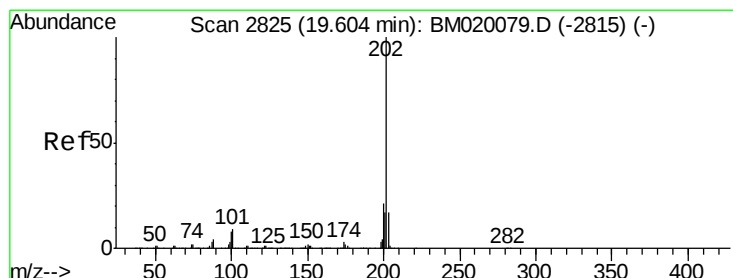
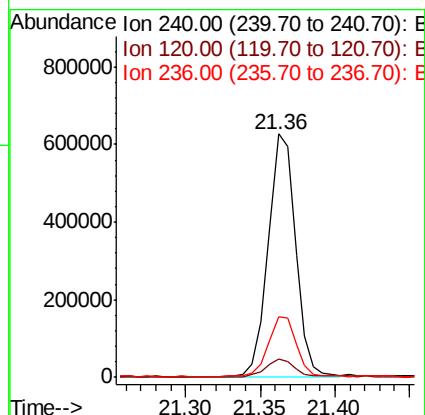
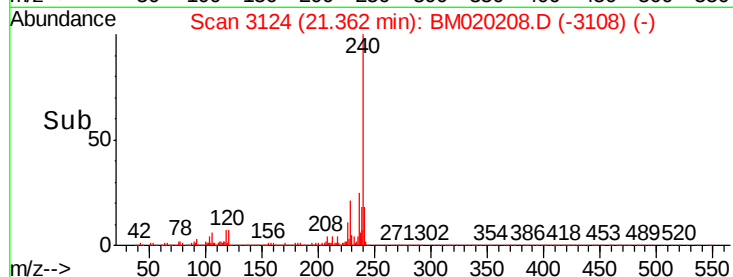
236 25.0 20.9 31.3



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



#78

Pyrene

Concen: 20.837 ng

RT: 19.60 min Scan# 2825

Delta R.T. -0.00 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

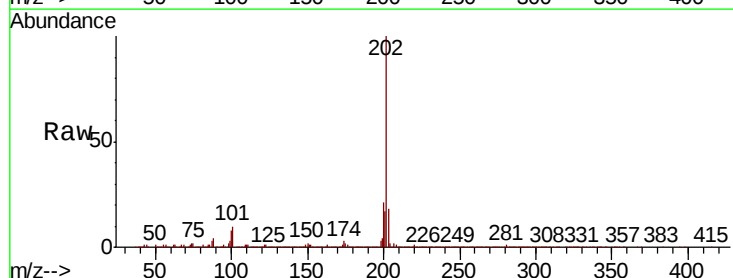
Tgt Ion:202 Resp: 1110347

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

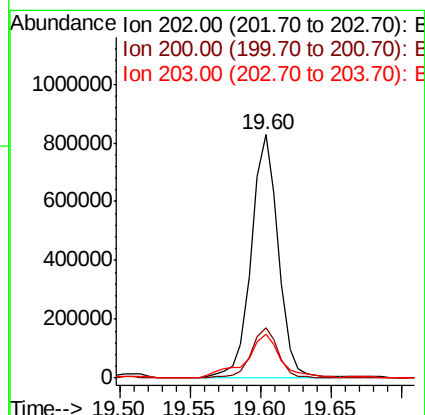
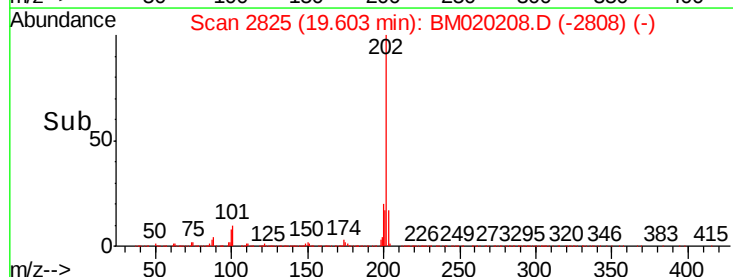
203 18.0 13.9 20.9

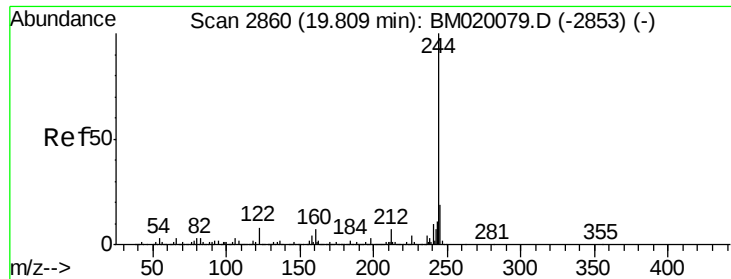


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 12.471 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

ClientSampleId :

OR-03-050719-B

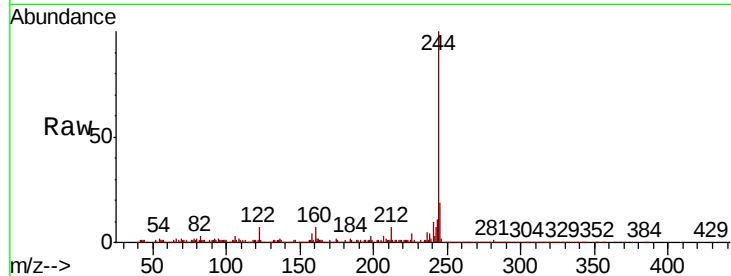
Tgt Ion:244 Resp: 567499

Ion Ratio Lower Upper

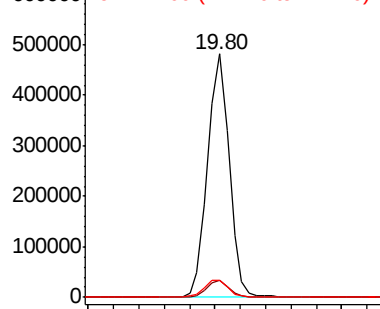
244 100

212 7.0 5.7 8.5

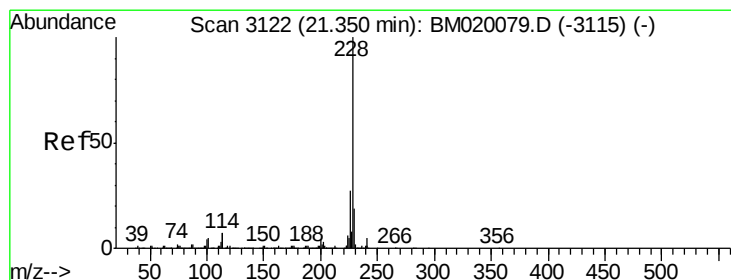
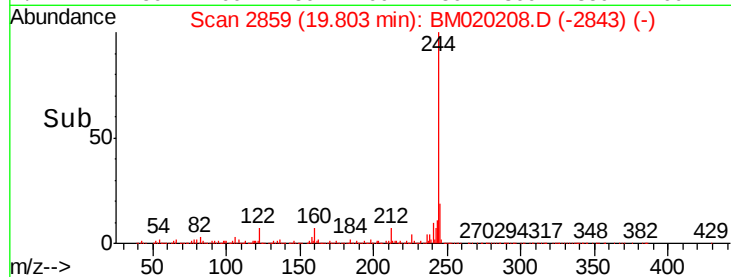
122 7.0 6.2 9.2



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



Time--> 19.70 19.80 19.90



#81

Benzo(a)anthracene

Concen: 10.265 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

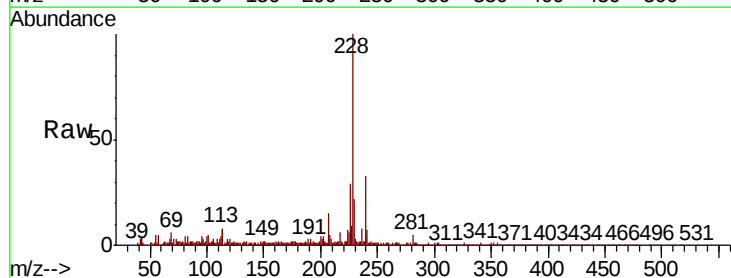
Tgt Ion:228 Resp: 571386

Ion Ratio Lower Upper

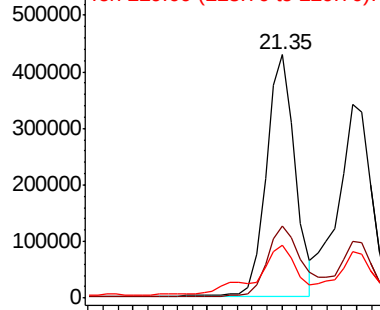
228 100

226 29.3 21.3 31.9

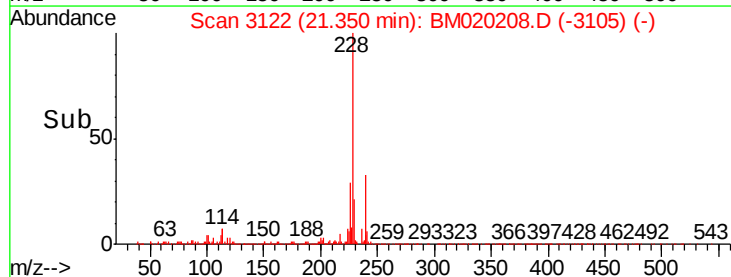
229 21.8 15.5 23.3

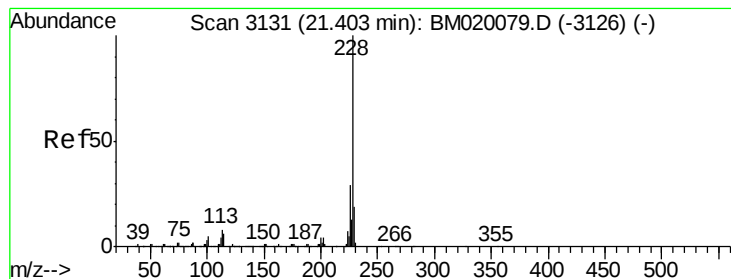


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 21.25 21.30 21.35 21.40





#83

Chrysene

Concen: 10.340 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.05 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

ClientSampleId :

OR-03-050719-B

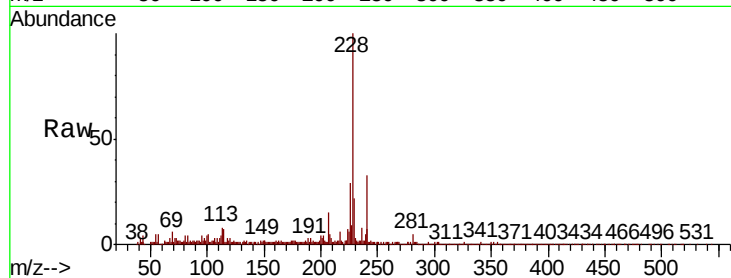
Tgt Ion:228 Resp: 558160

Ion Ratio Lower Upper

228 100

226 29.3 23.0 34.6

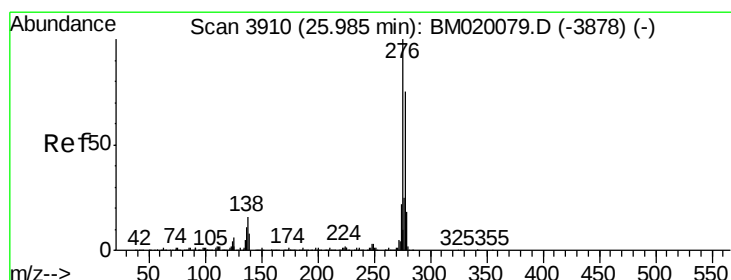
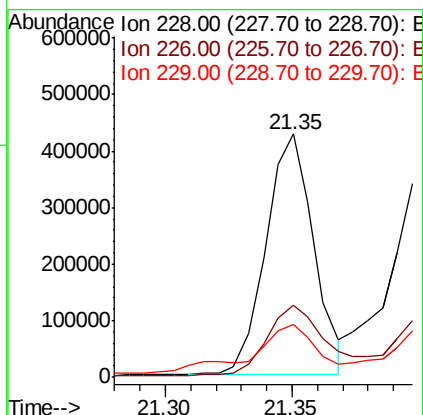
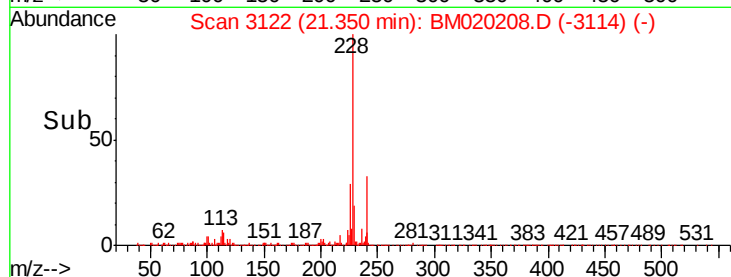
229 21.8 15.5 23.3



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.500 ng

RT: 25.99 min Scan# 3911

Delta R.T. 0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

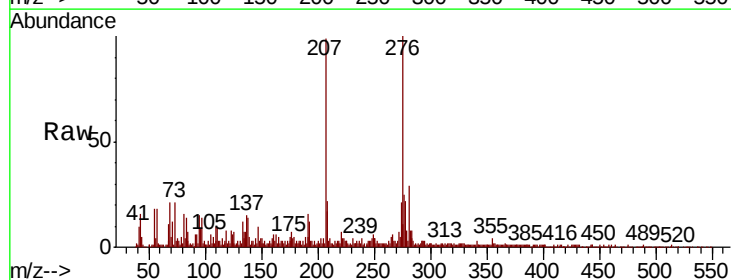
Tgt Ion:276 Resp: 353158

Ion Ratio Lower Upper

276 100

138 13.5 0.0 0.0#

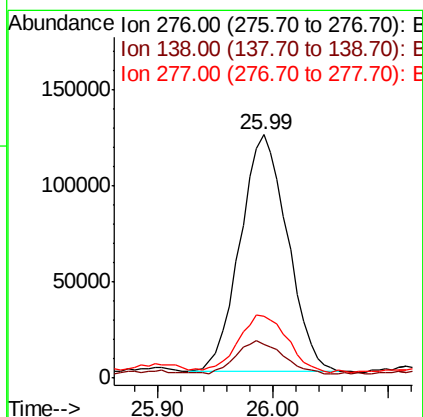
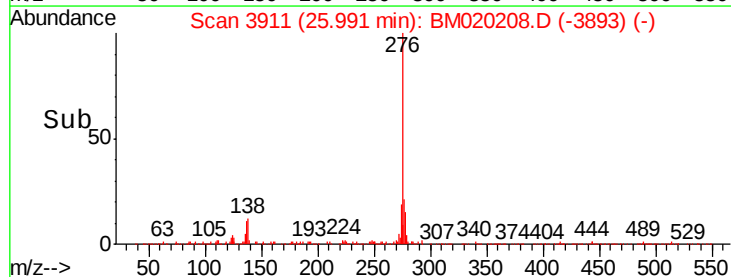
277 24.5 0.0 0.0#

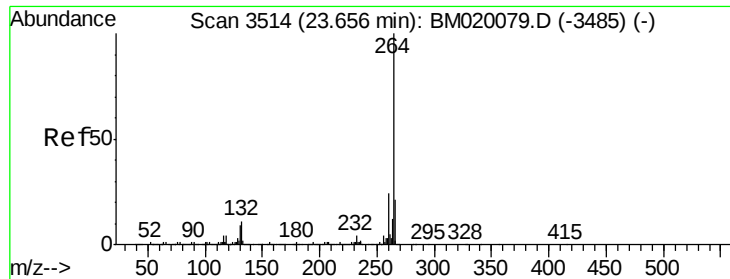


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

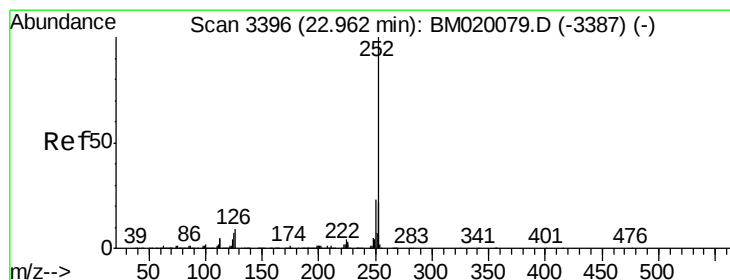
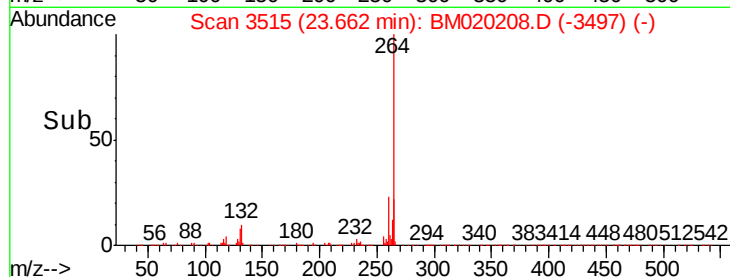
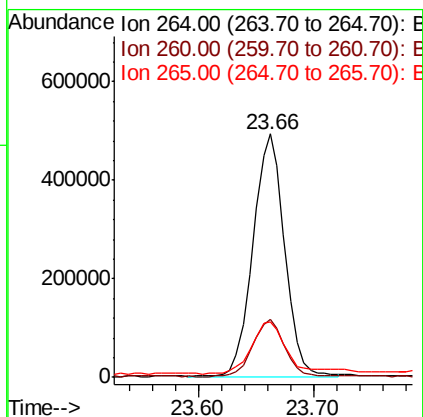
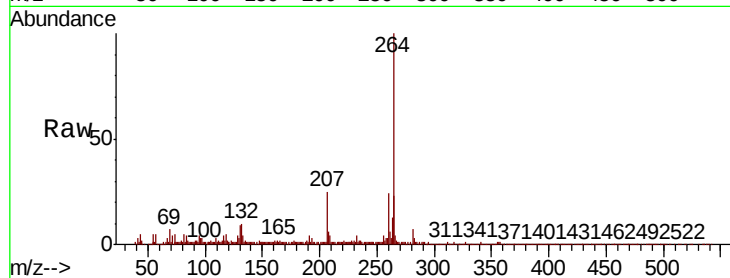




#87
Perylene-d12
Concen: 20.000 ng
RT: 23.66 min Scan# 3515
Delta R.T. 0.01 min
Lab File: BM020208.D
Acq: 08 May 2019 23:13

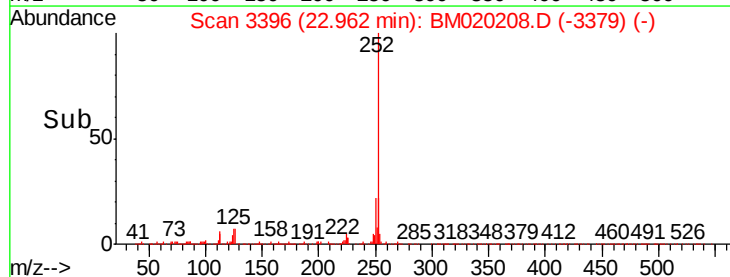
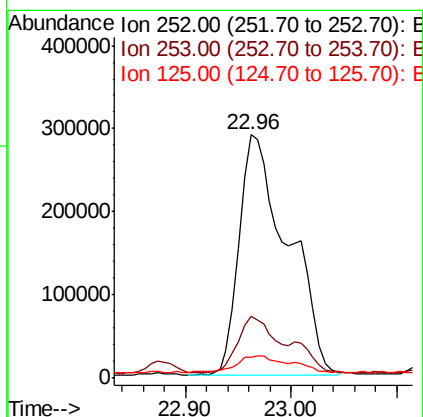
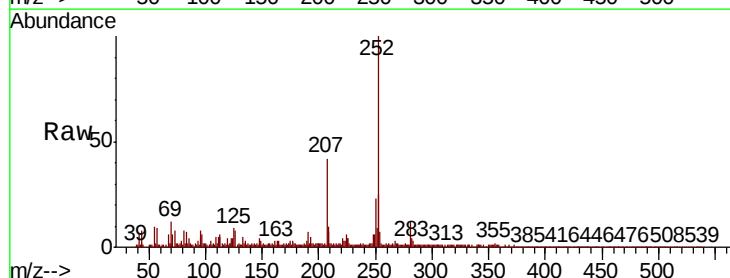
Instrument :
BNA_M
ClientSampleId :
OR-03-050719-B

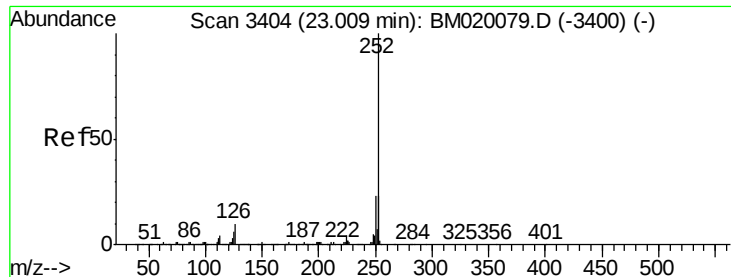
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.8	16.9	25.3



#88
Benzo(b)fluoranthene
Concen: 14.878 ng
RT: 22.96 min Scan# 3396
Delta R.T. -0.00 min
Lab File: BM020208.D
Acq: 08 May 2019 23:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.5	26.3
125	8.8	5.4	8.2





#89

Benzo(k)fluoranthene

Concen: 16.194 ng

RT: 22.96 min Scan# 3396

Delta R.T. -0.05 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

ClientSampleId :

OR-03-050719-B

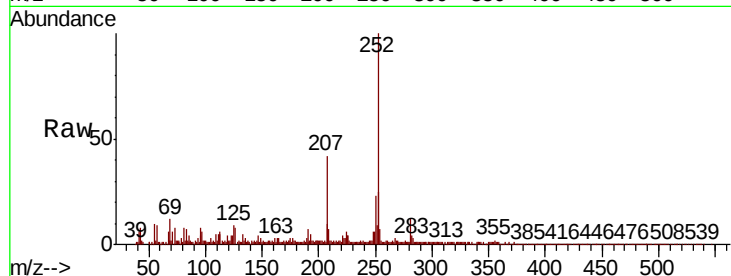
Tgt Ion:252 Resp: 913828

Ion Ratio Lower Upper

252 100

253 25.4 17.8 26.8

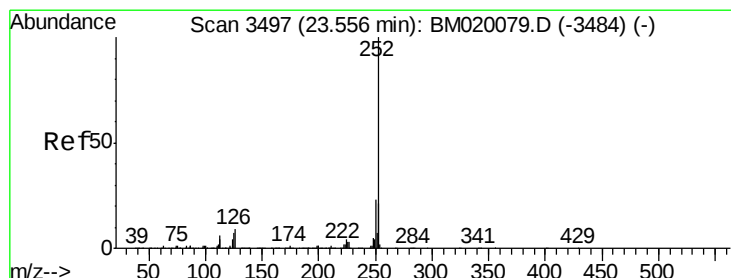
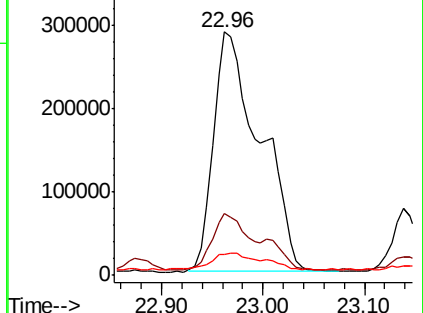
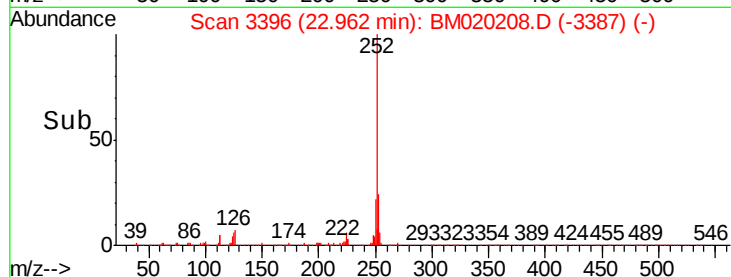
125 8.8 5.4 8.0#



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: 10.063 ng

RT: 23.56 min Scan# 3497

Delta R.T. -0.00 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

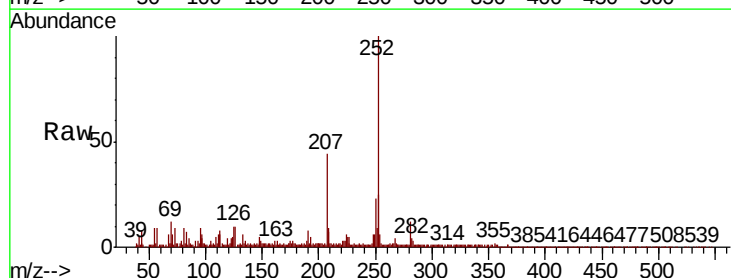
Tgt Ion:252 Resp: 565458

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

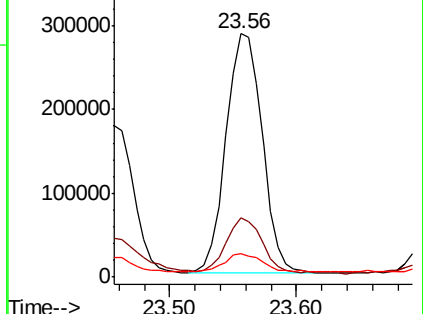
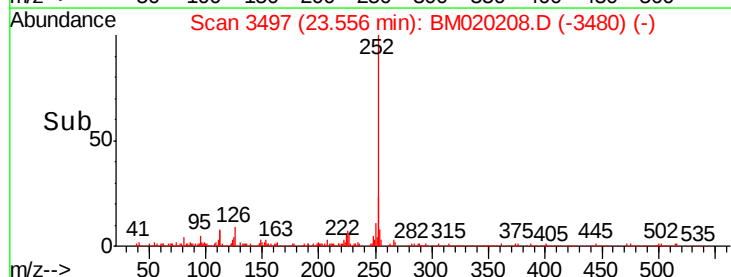
125 9.6 5.5 8.3#

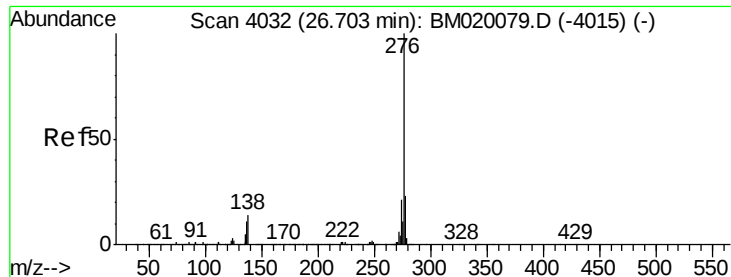


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 6.241 ng

RT: 26.71 min Scan# 4034

Delta R.T. 0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

ClientSampleId :

OR-03-050719-B

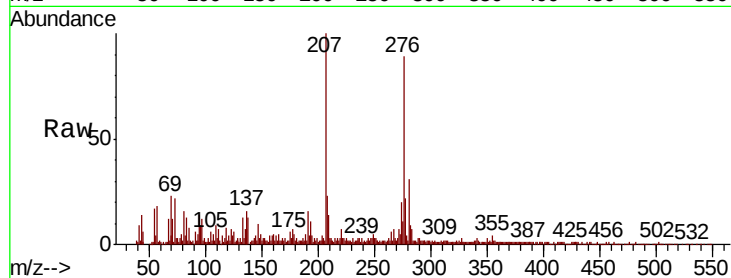
Tgt Ion: 276 Resp: 346244

Ion Ratio Lower Upper

276 100

277 24.4 18.4 27.6

138 15.0 11.1 16.7



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

