

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050319\
 Data File : BM020115.D
 Acq On : 03 May 2019 17:04
 Operator : JU/SJ
 Sample : K2584-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 03 17:40:59 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	146195	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	527842	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	316931	20.00	ng	0.00
64) Phenanthrene-d10	17.17	188	733993	20.00	ng	0.00
76) Chrysene-d12	21.36	240	777487	20.00	ng	-0.01
87) Perylene-d12	23.64	264	924100	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	1137767	127.21	ng	0.00
7) Phenol-d6	6.95	99	1745348	142.84	ng	0.00
23) Nitrobenzene-d5	8.95	82	1266388	94.72	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	804318	163.50	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	2597219	100.83	ng	-0.01
79) Terphenyl-d14	19.80	244	4593875	103.06	ng	0.00

Target Compounds

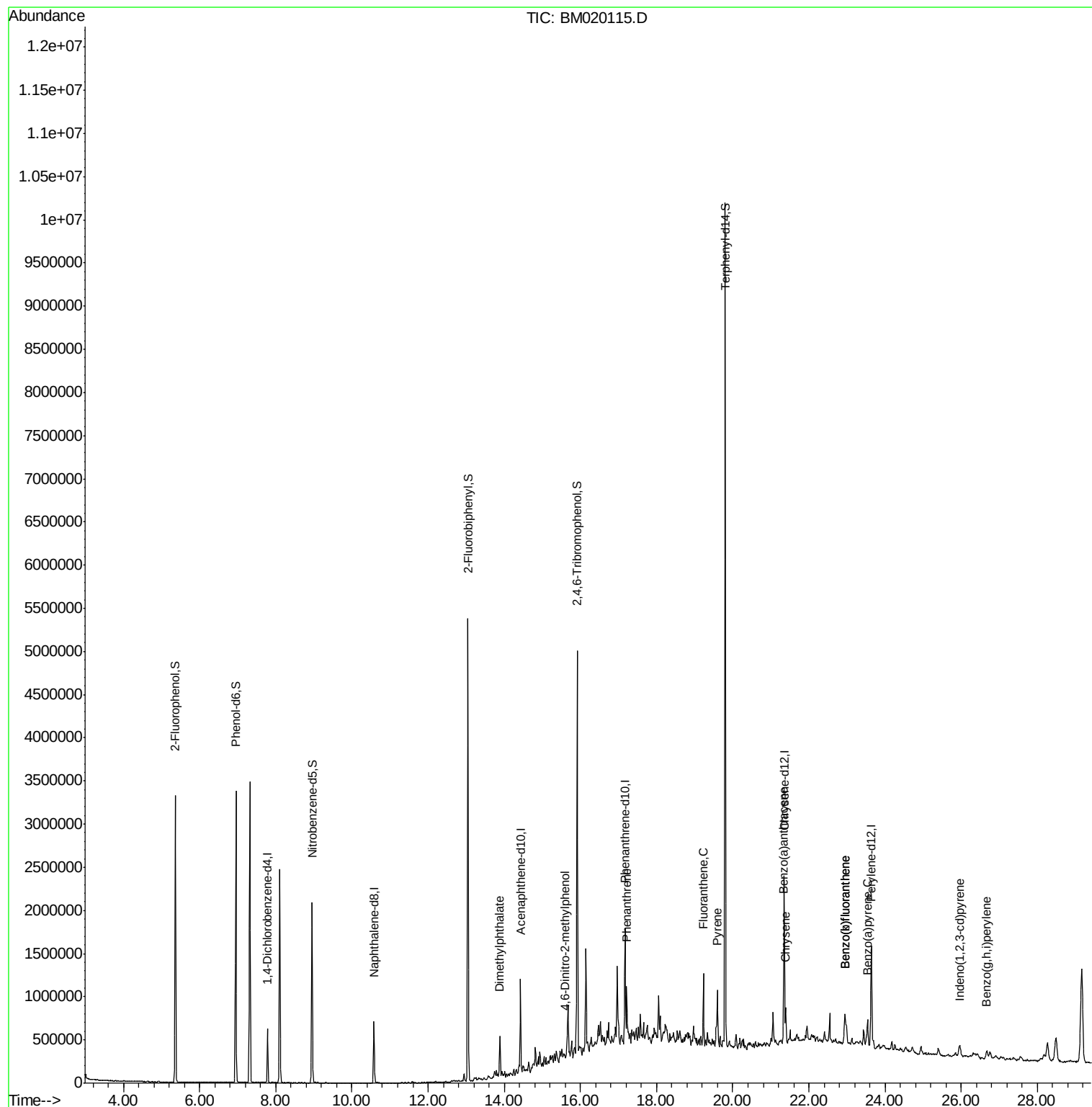
						Qvalue
50) Dimethylphthalate	13.88	163	165510	6.144	ng	99
65) 4,6-Dinitro-2-methylphenol	15.59	198	184	7.204	ng	# 1
71) Phenanthrene	17.22	178	314304	7.757	ng	99
75) Fluoranthene	19.23	202	481858	9.399	ng	99
78) Pyrene	19.60	202	409989	7.854	ng	100
81) Benzo(a)anthracene	21.34	228	254490	4.667	ng	97
83) Chrysene	21.39	228	221442	4.188	ng	95
86) Indeno(1,2,3-cd)pyrene	25.96	276	128536	2.044	ng	# 100
88) Benzo(b)fluoranthene	22.95	252	289953	4.752	ng	# 93
89) Benzo(k)fluoranthene	22.95	252	289561	5.202	ng	# 94
90) Benzo(a)pyrene	23.54	252	200165	3.611	ng	# 93
92) Benzo(a,h,i)perylene	26.67	276	116952	2.137	ng	# 96

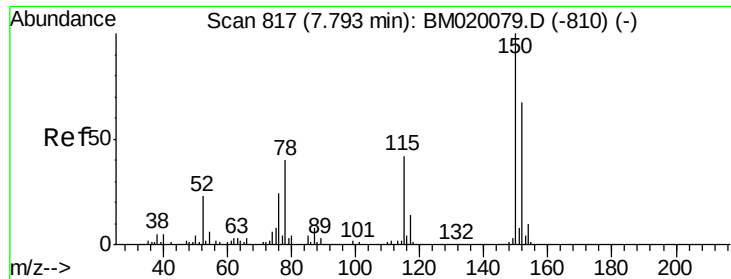
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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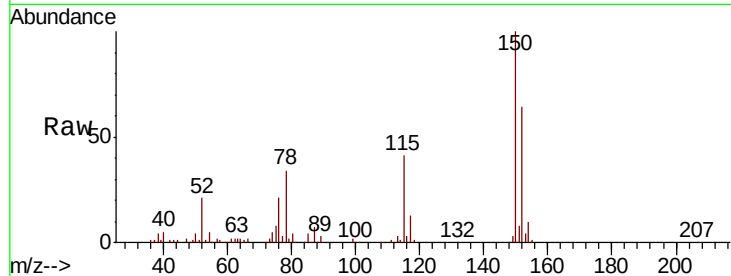


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020115.D
Acq: 03 May 2019 17:04

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	119.8	179.8
115	64.4	50.8	76.2

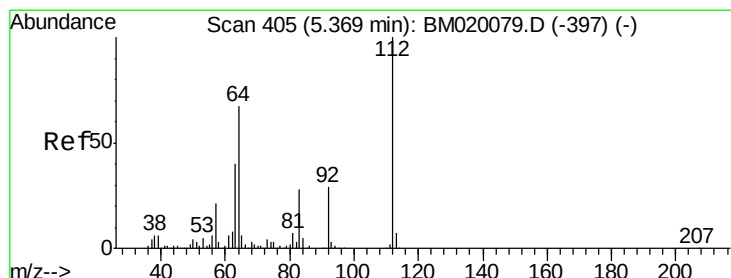
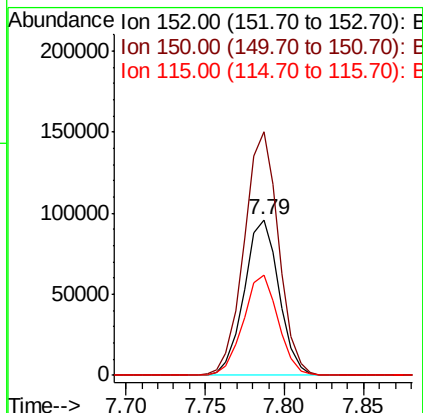
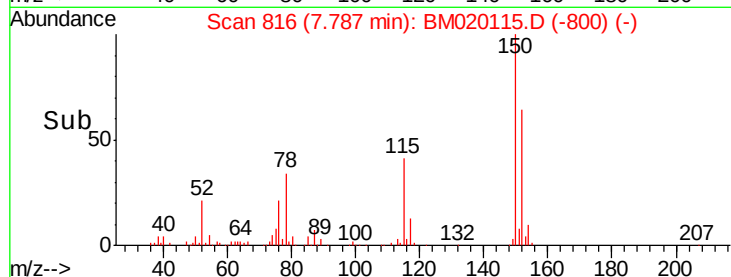


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

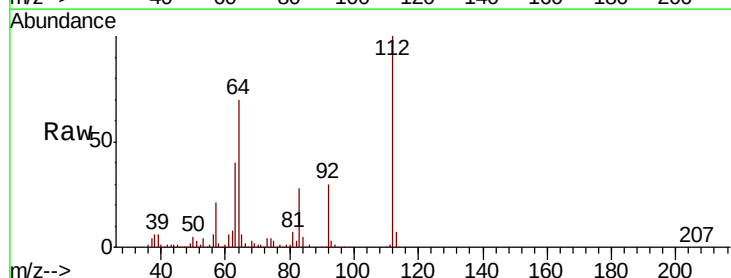
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 127.213 ng
RT: 5.36 min Scan# 404
Delta R.T. -0.01 min
Lab File: BM020115.D
Acq: 03 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.7	53.8	80.6
63	39.7	32.3	48.5

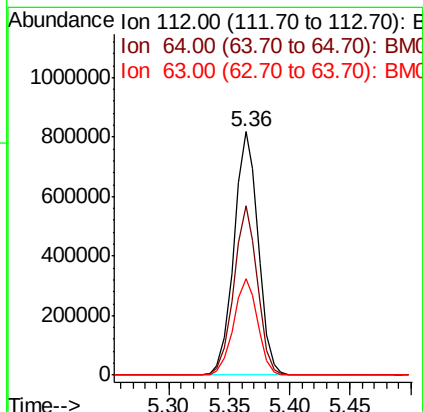
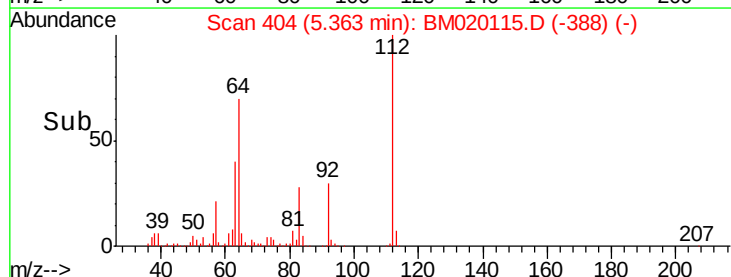


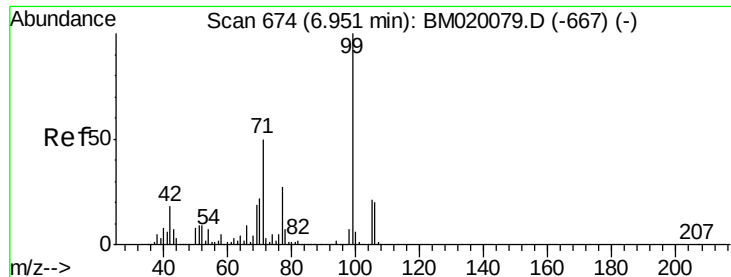
Abundance

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: 142.845 ng

RT: 6.95 min Scan# 674

Delta R.T. 0.00 min

Lab File: BM020115.D

Acq: 03 May 2019 17:04

Instrument :

BNA_M

ClientSampled :

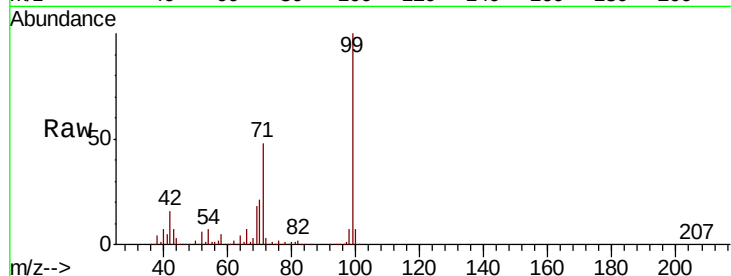
Tot Ion: 99 Resp: 1745348

Ion Ratio Lower Upper

99 100

42 15.8 14.2 21.2

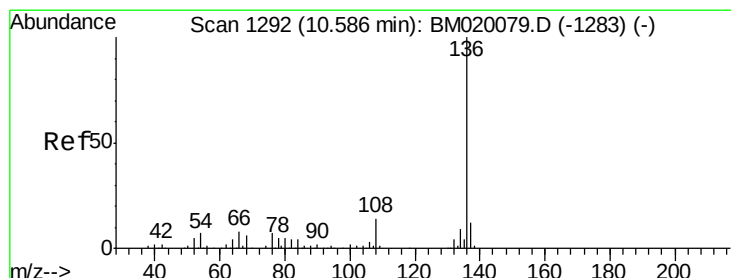
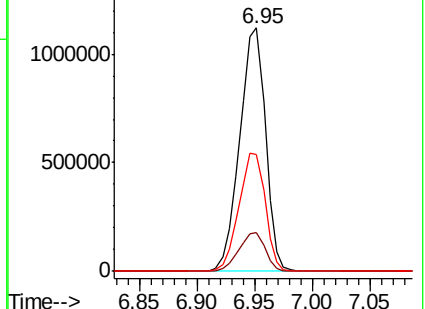
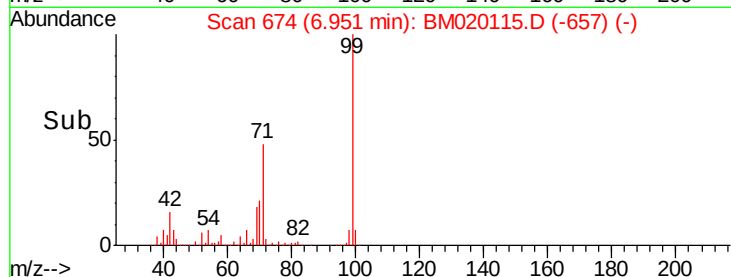
71 48.0 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020115.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020115.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020115.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.58 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BM020115.D

Acq: 03 May 2019 17:04

Tgt Ion: 136 Resp: 527842

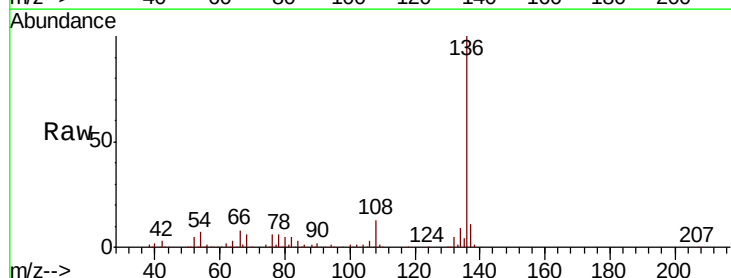
Ion Ratio Lower Upper

136 100

137 10.7 9.6 14.4

54 7.0 5.5 8.3

68 6.3 4.6 6.8

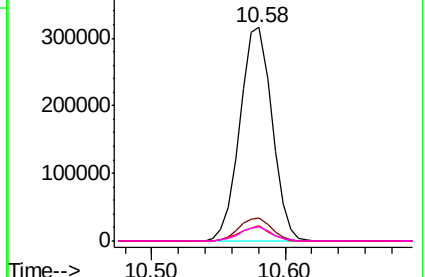
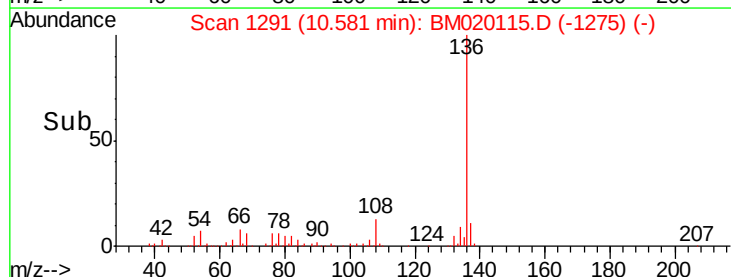


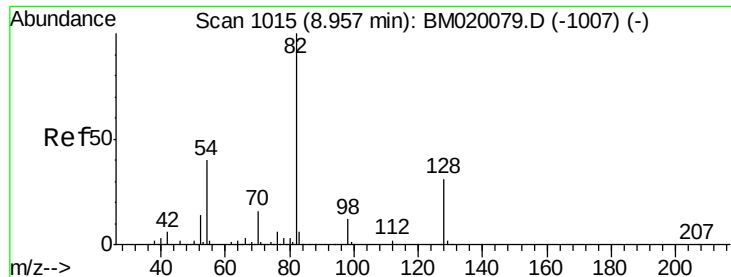
Abundance Ion 136.00 (135.70 to 136.70): BM020115.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020115.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020115.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020115.D (-1275) (-)



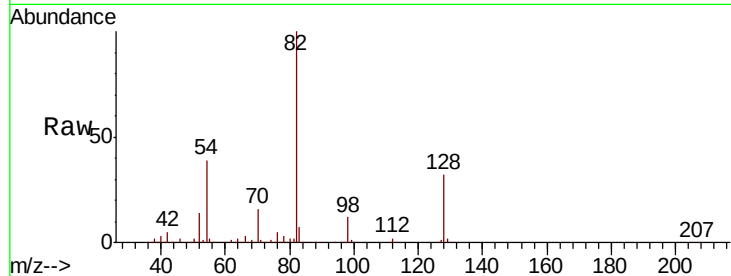


#23
 Nitrobenzene-d5
 Concen: 94.720 ng
 RT: 8.95 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BM020115.D
 Acq: 03 May 2019 17:04

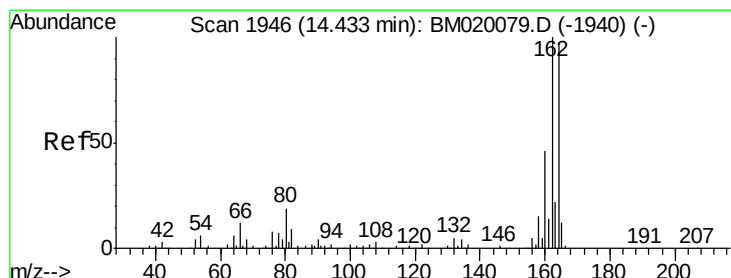
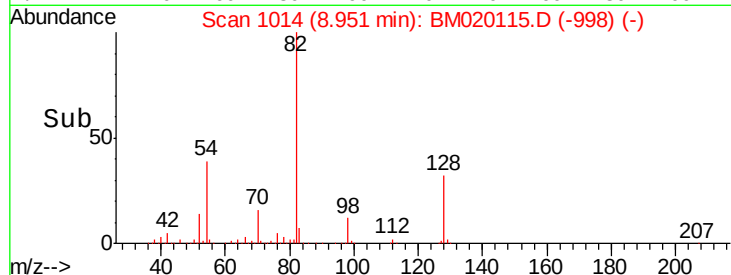
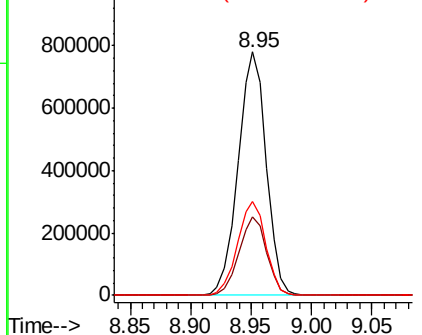
Instrument :
 BNA_M
 ClientSampled :

Tot Ion: 82 Resp: 1266388

Ion	Ratio	Lower	Upper
82	100		
128	32.0	25.2	37.8
54	38.7	31.9	47.9



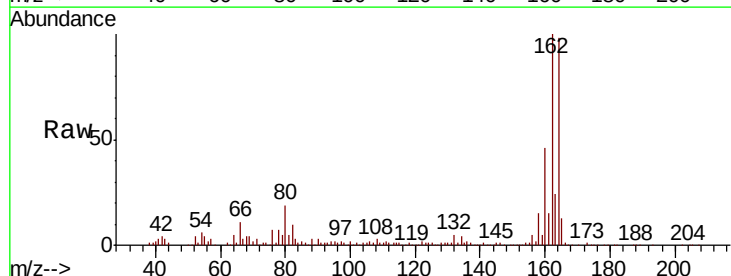
Abundance Ion 82.00 (81.70 to 82.70): BM020079.D (-1007) (-)
 Ion 128.00 (127.70 to 128.70): BM020079.D (-1007) (-)
 Ion 54.00 (53.70 to 54.70): BM020079.D (-1007) (-)



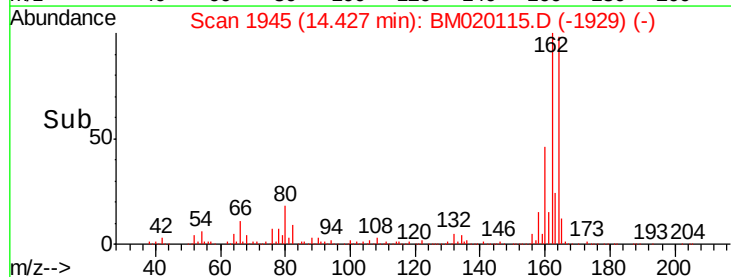
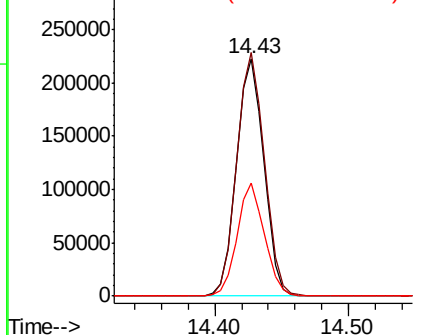
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.43 min Scan# 1945
 Delta R.T. -0.01 min
 Lab File: BM020115.D
 Acq: 03 May 2019 17:04

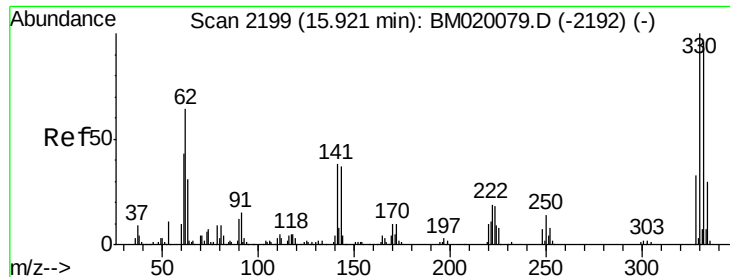
Tgt Ion: 164 Resp: 316931

Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.2	123.2
160	47.6	37.6	56.4



Abundance Ion 164.00 (163.70 to 164.70): BM020079.D (-1940) (-)
 Ion 162.00 (161.70 to 162.70): BM020079.D (-1940) (-)
 Ion 160.00 (159.70 to 160.70): BM020079.D (-1940) (-)

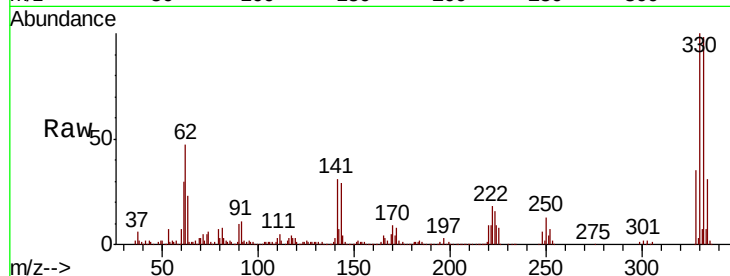




#42
 2,4,6-Tribromophenol
 Concen: 163.500 ng
 RT: 15.92 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: BM020115.D
 Acq: 03 May 2019 17:04

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.8	115.2
141	33.5	29.2	43.8

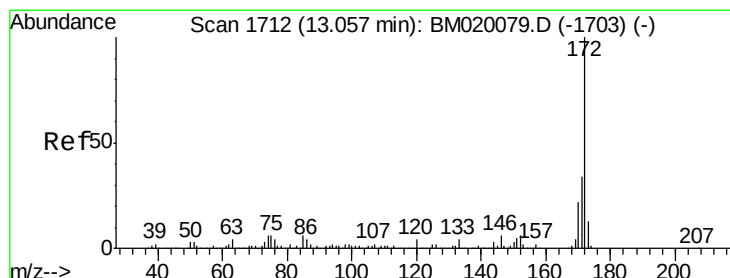
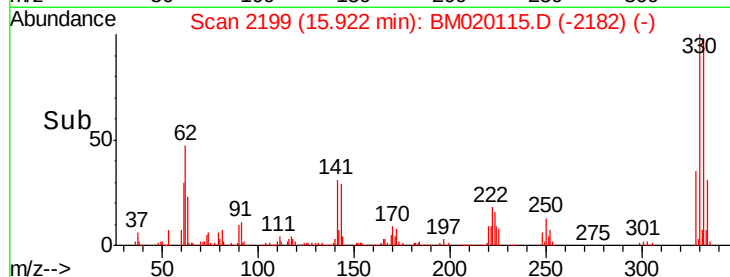
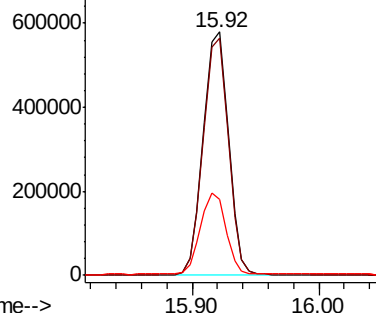


Abundance

Ion 329.80 (329.50 to 330.50): E

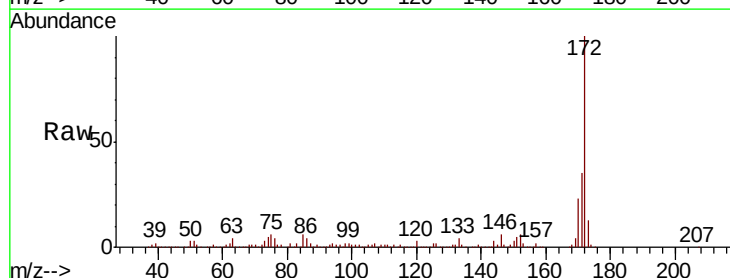
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 100.827 ng
 RT: 13.05 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BM020115.D
 Acq: 03 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.3	40.9
170	22.8	17.9	26.9

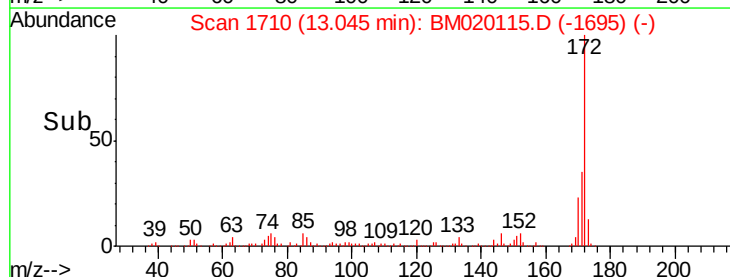
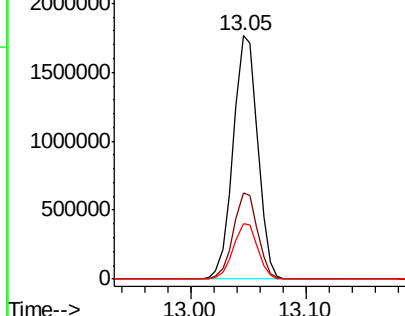


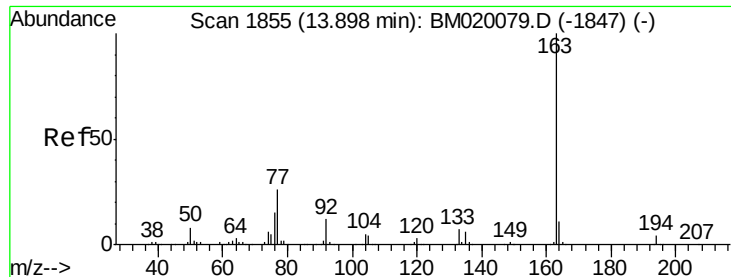
Abundance

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





#50

Dimethylphthalate

Concen: 6.144 ng

RT: 13.88 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BM020115.D

Acq: 03 May 2019 17:04

Instrument :

BNA_M

ClientSampleId :

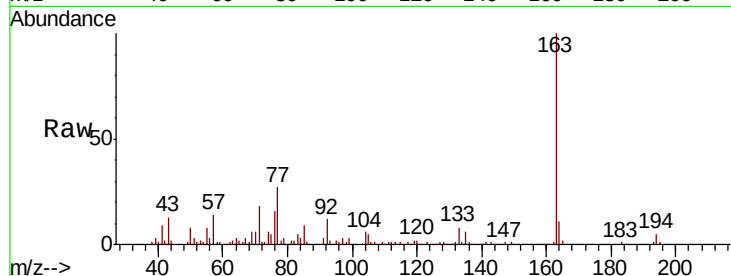
Tot Ion:163 Resp: 165510

Ion Ratio Lower Upper

163 100

194 4.7 3.6 5.4

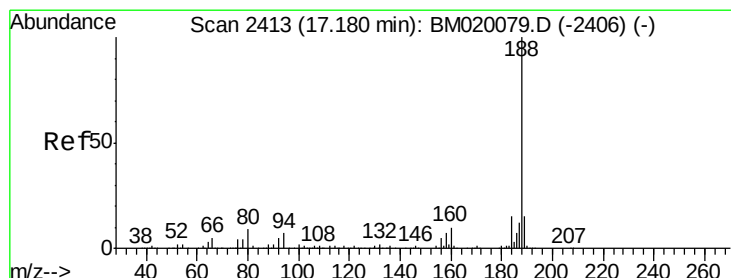
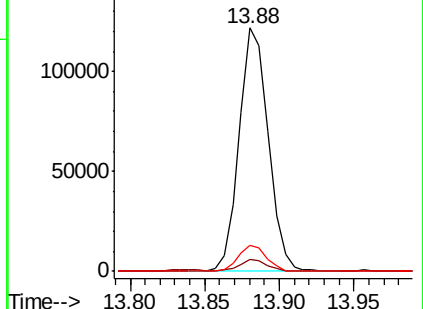
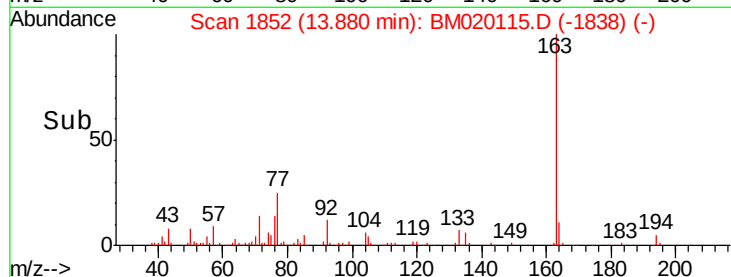
164 10.8 8.4 12.6



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.17 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM020115.D

Acq: 03 May 2019 17:04

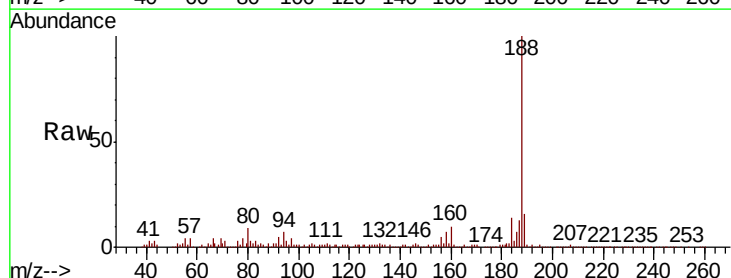
Tgt Ion:188 Resp: 733993

Ion Ratio Lower Upper

188 100

94 7.3 5.8 8.6

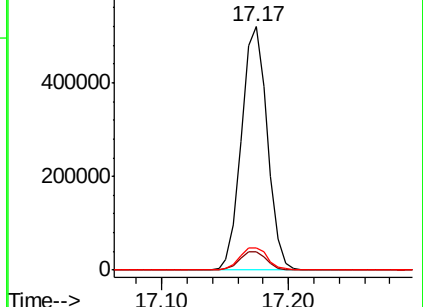
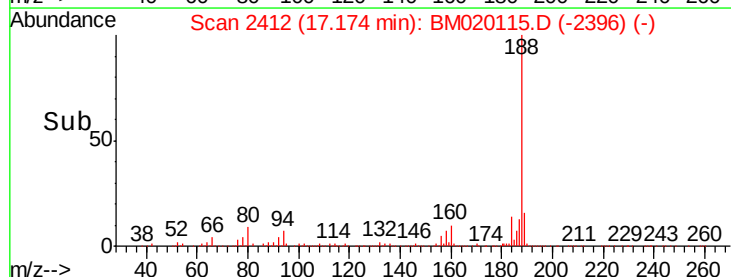
80 9.1 7.4 11.2

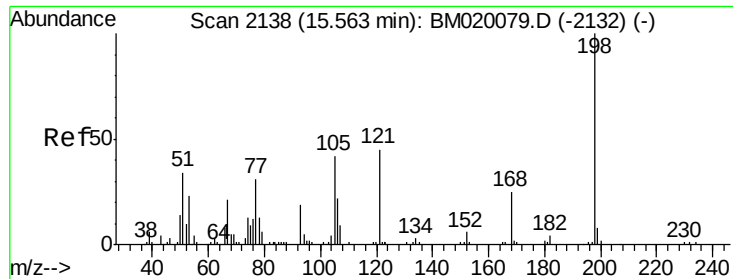


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

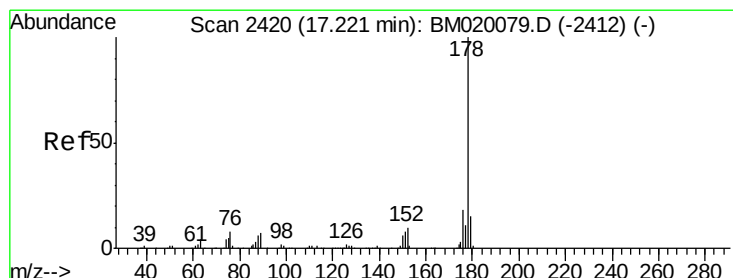
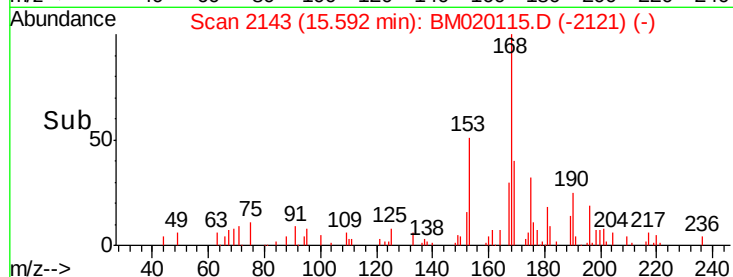
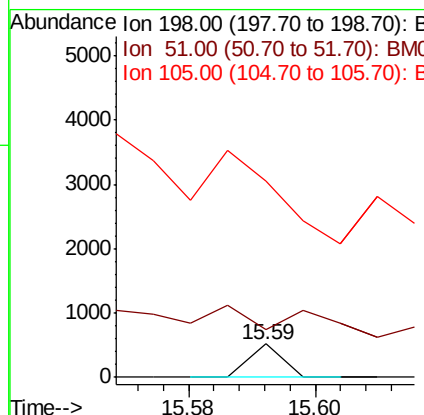
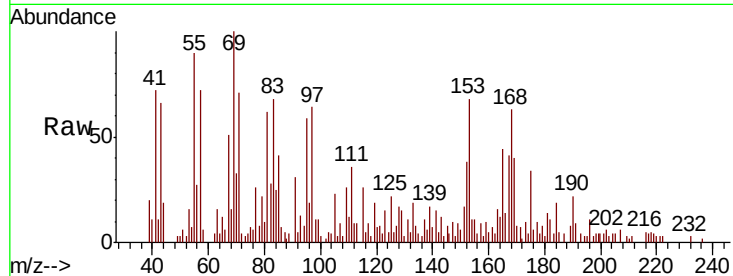




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.204 ng
 RT: 15.59 min Scan# 2143
 Delta R.T. 0.03 min
 Lab File: BM020115.D
 Acq: 03 May 2019 17:04

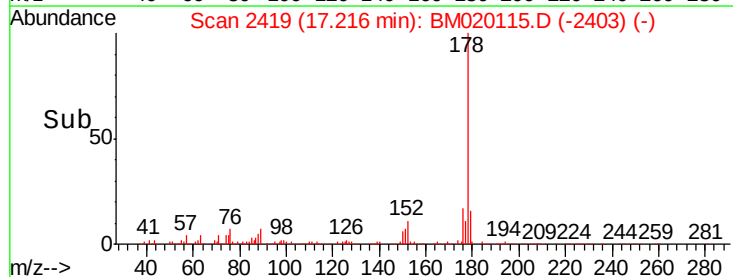
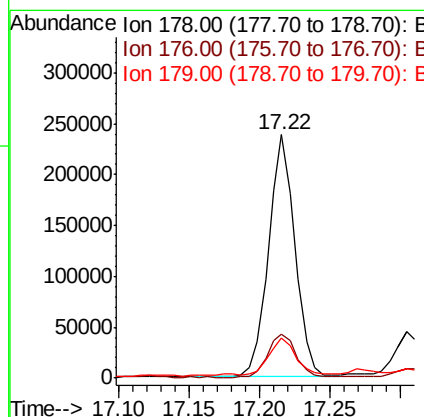
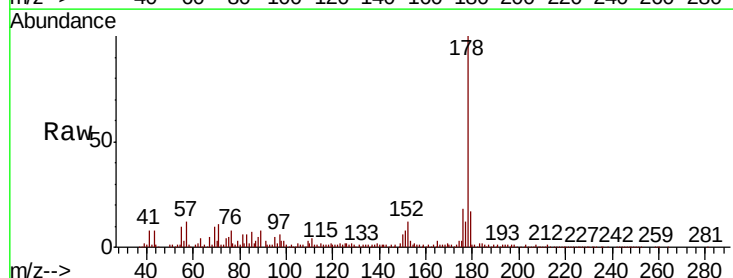
Instrument :
 BNA_M
 ClientSampled :

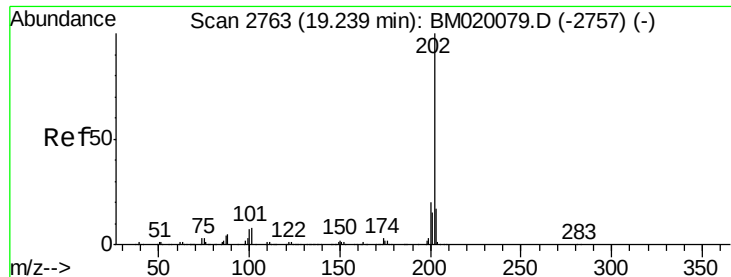
Tot Ion:198 Resp: 184
 Ion Ratio Lower Upper
 198 100
 51 144.0 16.5 56.5#
 105 588.5 22.8 62.8#



#71
 Phenanthrene
 Concen: 7.757 ng
 RT: 17.22 min Scan# 2419
 Delta R.T. -0.01 min
 Lab File: BM020115.D
 Acq: 03 May 2019 17:04

Tgt Ion:178 Resp: 314304
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.6 21.8
 179 16.6 12.4 18.6





#75

Fluoranthene

Concen: 9.399 ng

RT: 19.23 min Scan# 2762

Delta R.T. -0.01 min

Lab File: BM020115.D

Acq: 03 May 2019 17:04

Instrument :

BNA_M

ClientSampleId :

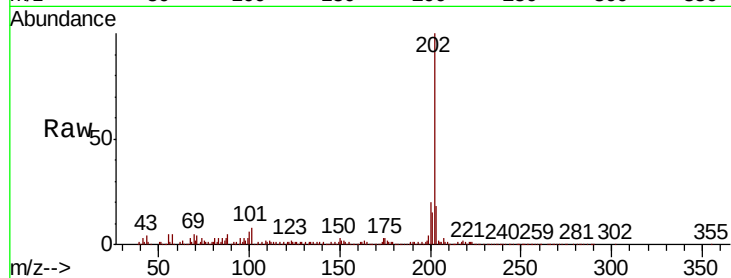
Tot Ion:202 Resp: 481858

Ion Ratio Lower Upper

202 100

101 8.3 0.0 28.4

203 17.8 0.0 37.4

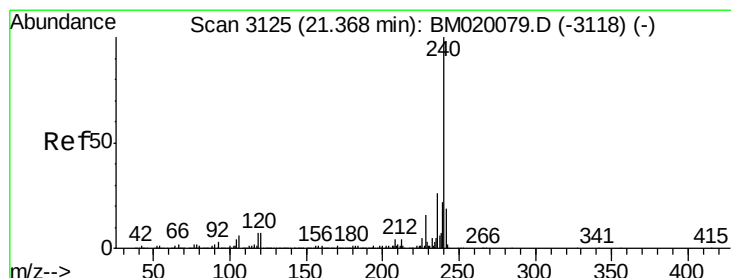
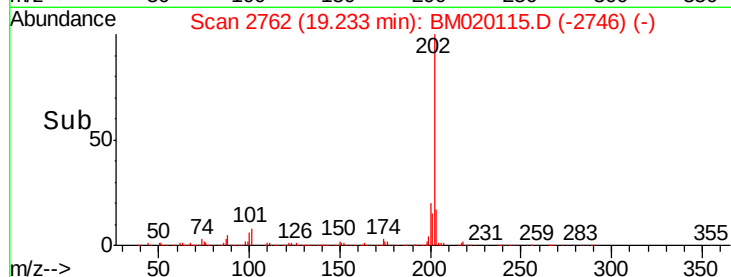
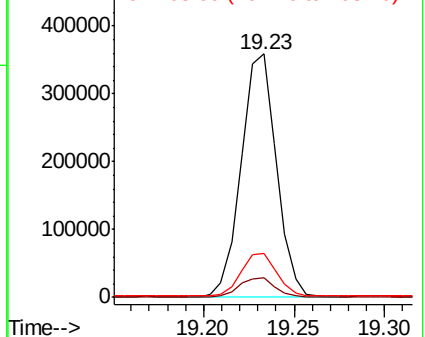


Abundance

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# 3123

Delta R.T. -0.01 min

Lab File: BM020115.D

Acq: 03 May 2019 17:04

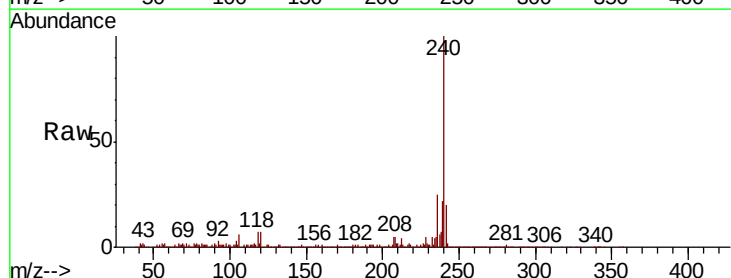
Tgt Ion:240 Resp: 777487

Ion Ratio Lower Upper

240 100

120 6.6 5.6 8.4

236 25.0 20.9 31.3

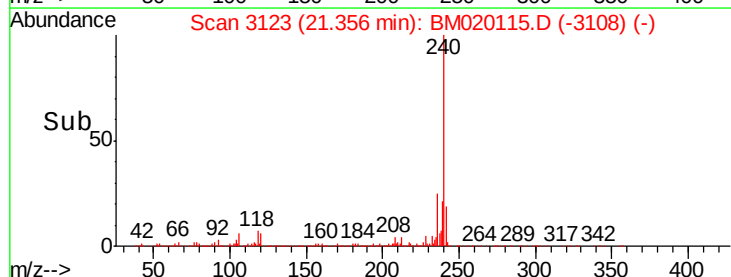
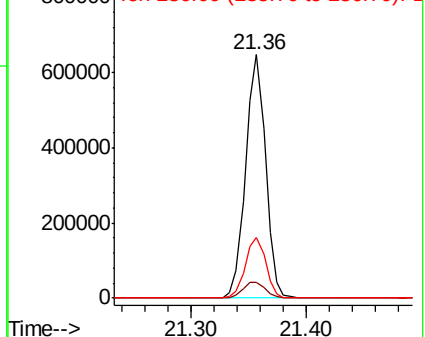


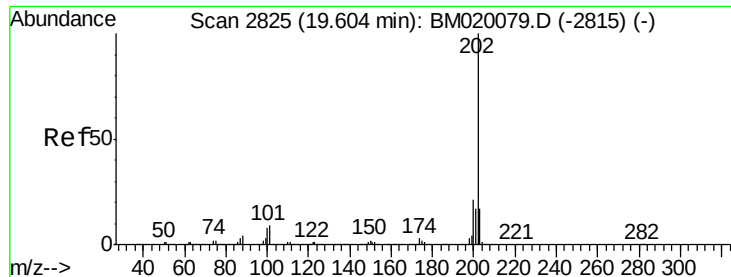
Abundance

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

Pvrene

Concen: 7.854 ng

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM020115.D

Acq: 03 May 2019 17:04

Instrument :

BNA_M

ClientSampleId :

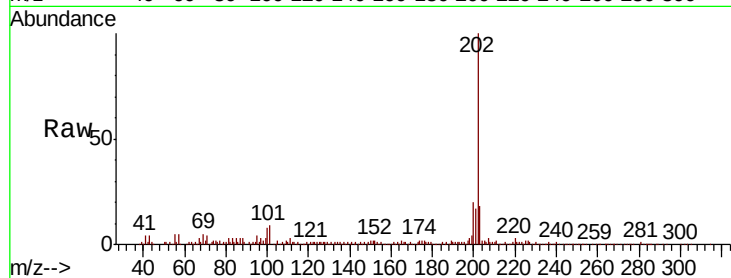
Tot Ion:202 Resp: 409989

Ion Ratio Lower Upper

202 100

200 20.4 16.5 24.7

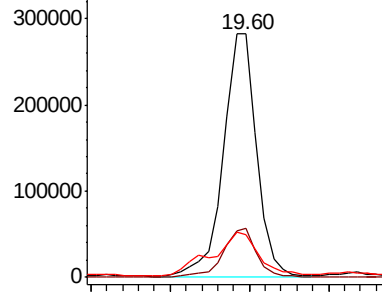
203 17.6 13.9 20.9



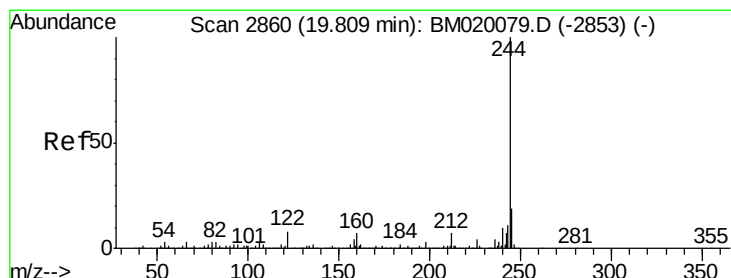
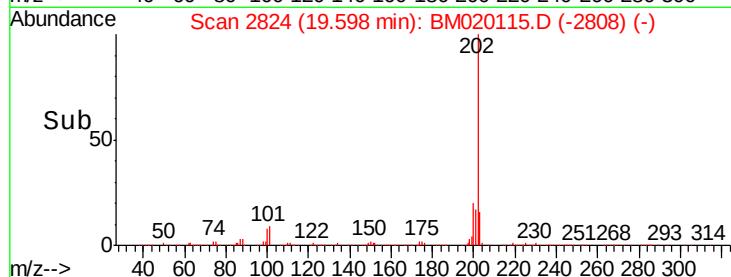
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.50 19.55 19.60 19.65



#79

Terphenyl-d14

Concen: 103.059 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020115.D

Acq: 03 May 2019 17:04

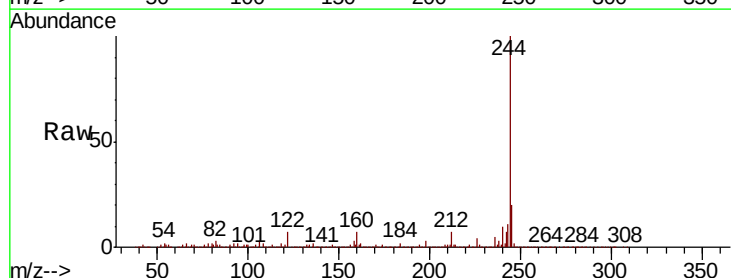
Tgt Ion:244 Resp: 4593875

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

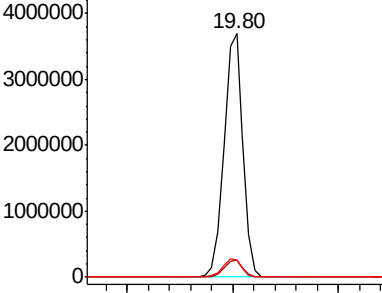
122 6.8 6.2 9.2



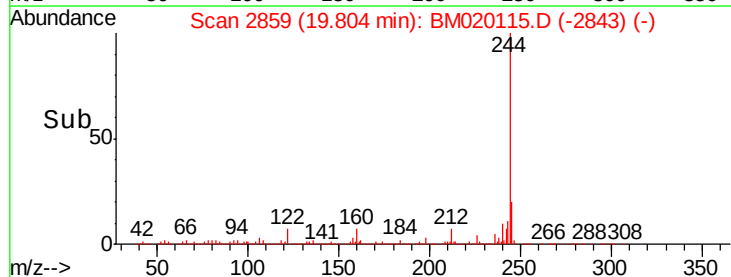
Abundance Ion 244.00 (243.70 to 244.70): E

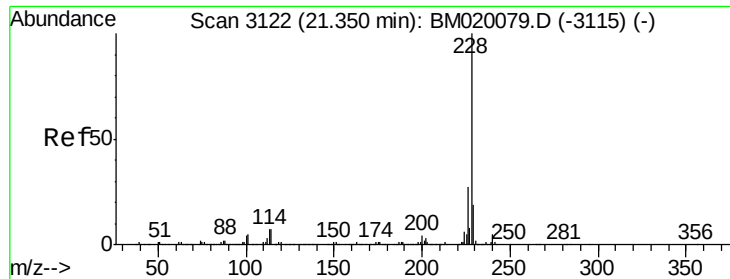
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.70 19.80 19.90

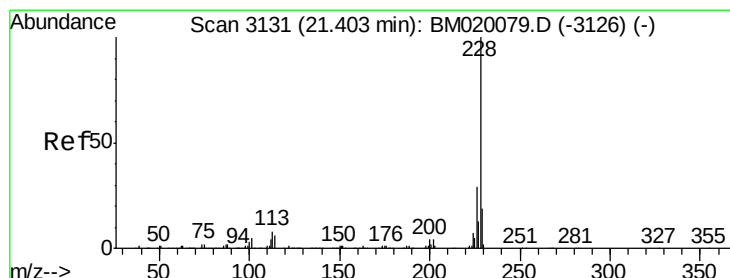
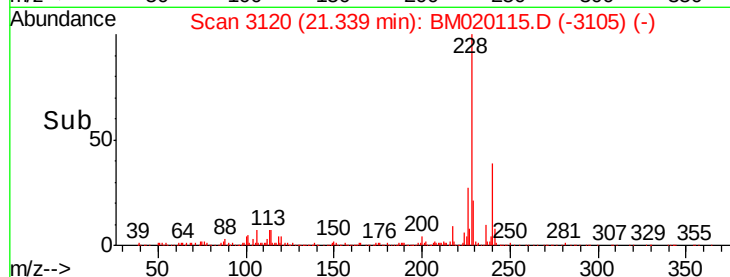
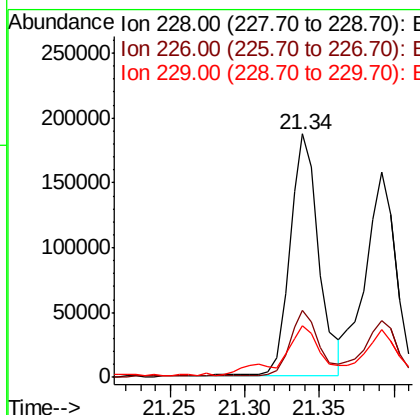
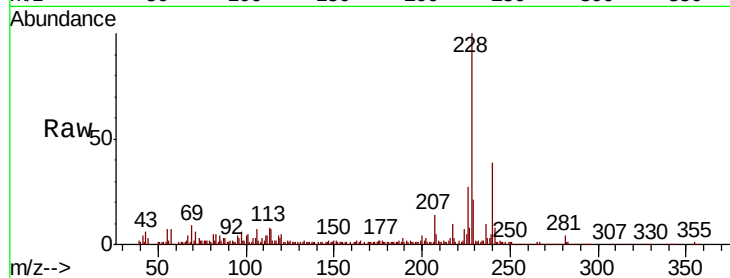




#81
Benzo(a)anthracene
Concen: 4.667 ng
RT: 21.34 min Scan# 3120
Delta R.T. -0.01 min
Lab File: BM020115.D
Acq: 03 May 2019 17:04

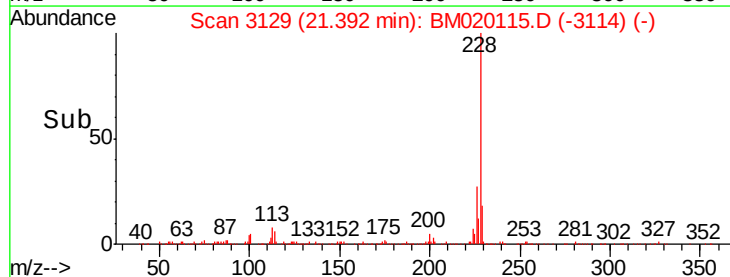
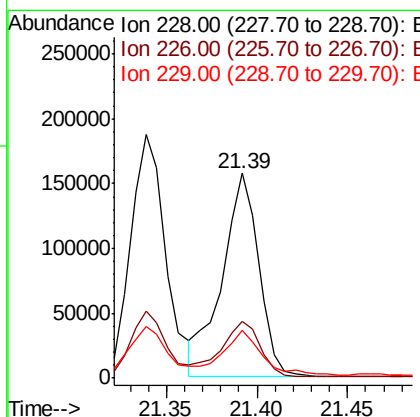
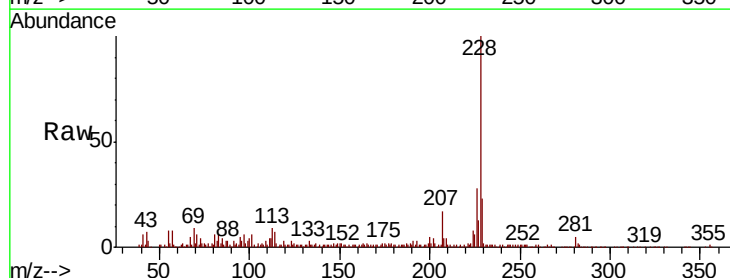
Instrument :
BNA_M
ClientSampleId :

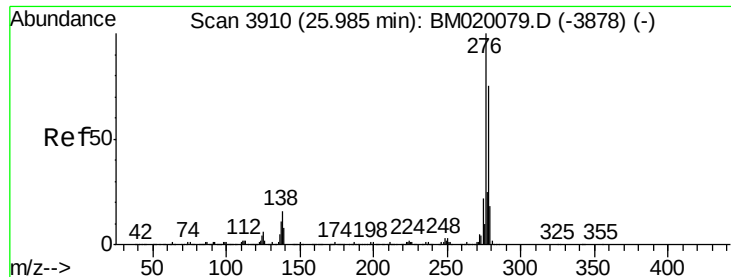
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.3	31.9
229	21.4	15.5	23.3



#83
Chrysene
Concen: 4.188 ng
RT: 21.39 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BM020115.D
Acq: 03 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	23.0	34.6
229	23.2	15.5	23.3

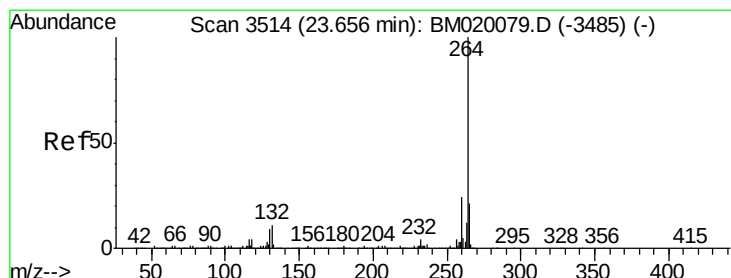
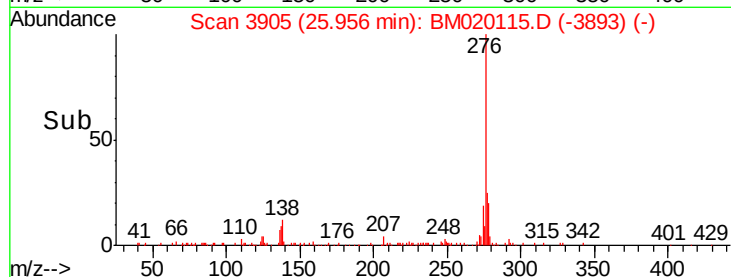
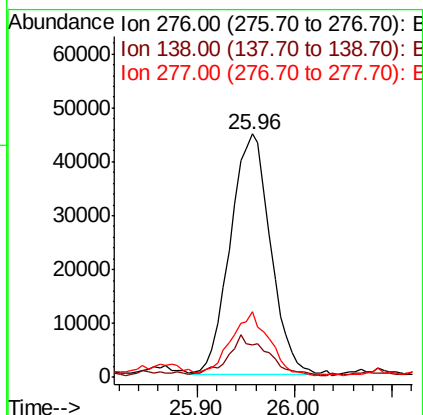
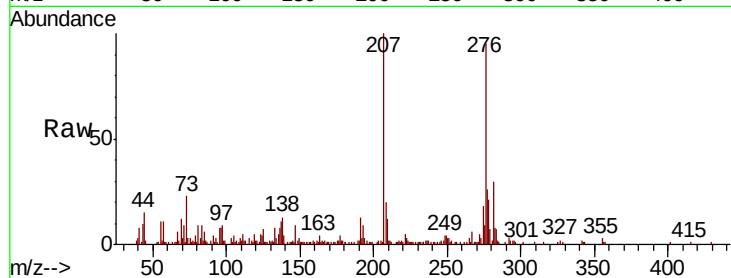




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.044 ng
 RT: 25.96 min Scan# 3905
 Delta R.T. -0.03 min
 Lab File: BM020115.D
 Acq: 03 May 2019 17:04

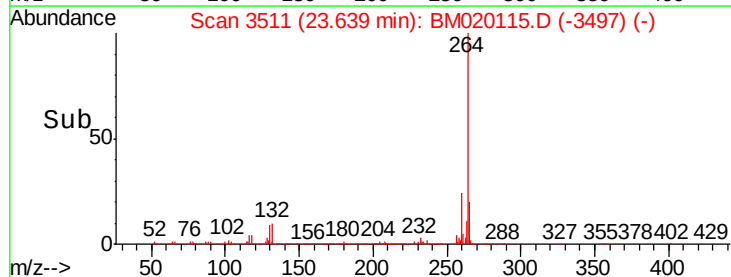
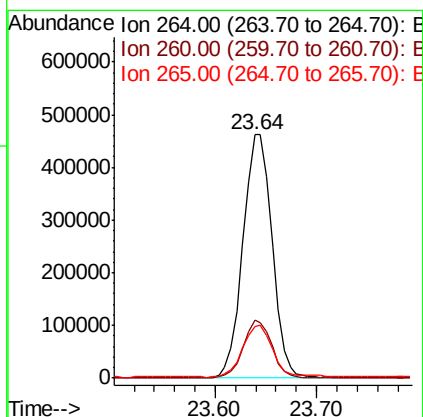
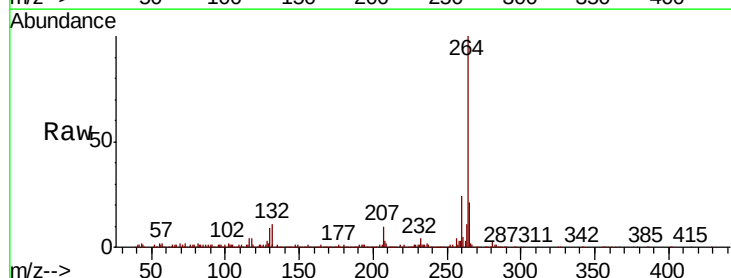
Instrument :
 BNA_M
 ClientSampleId :

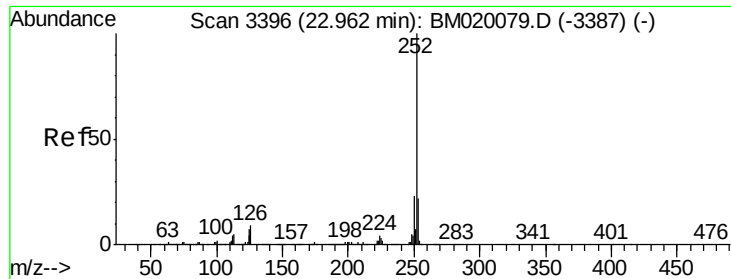
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.0	0.0	0.0#
277	25.4	0.0	0.0#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.64 min Scan# 3511
 Delta R.T. -0.02 min
 Lab File: BM020115.D
 Acq: 03 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.0	16.9	25.3

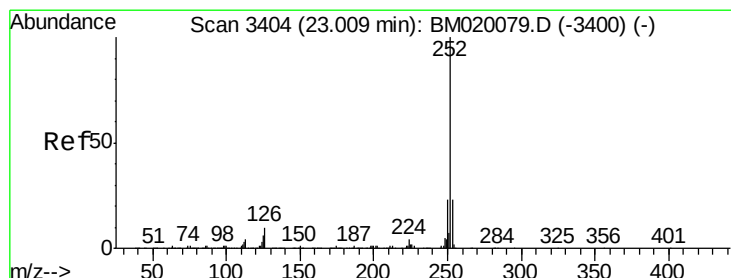
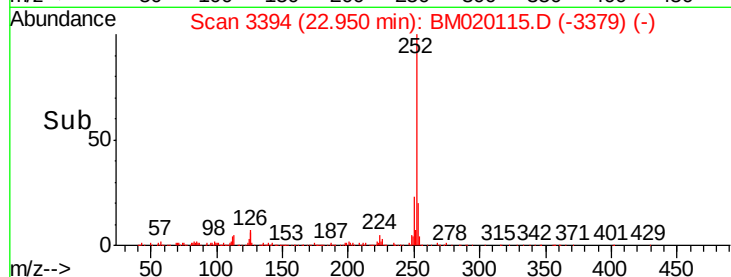
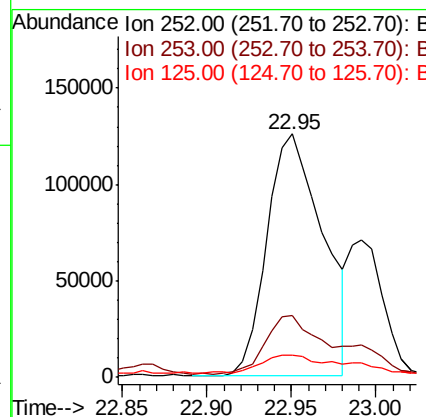
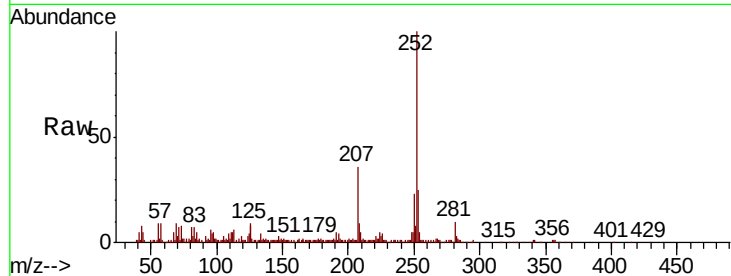




#88
Benzo(b)fluoranthene
Concen: 4.752 ng
RT: 22.95 min Scan# 3394
Delta R.T. -0.01 min
Lab File: BM020115.D
Acq: 03 May 2019 17:04

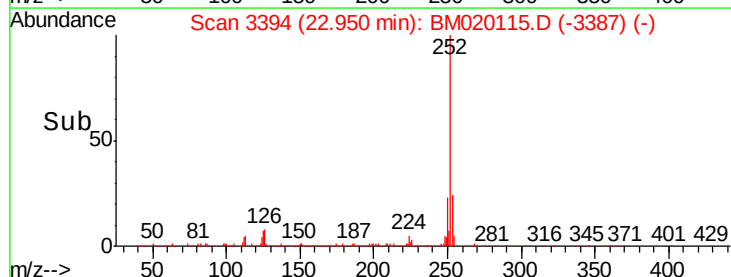
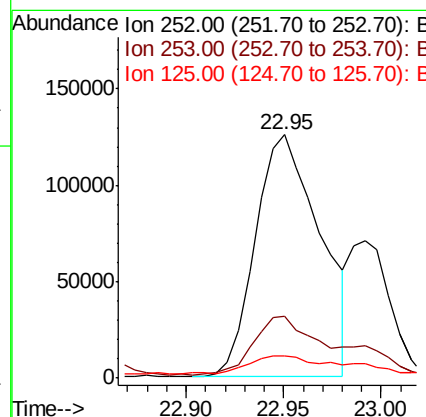
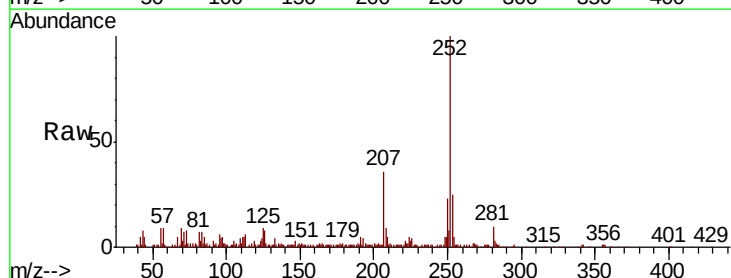
Instrument :
BNA_M
ClientSampleId :

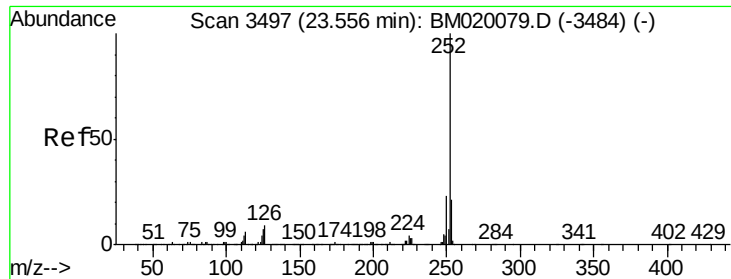
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.5	26.3
125	8.8	5.4	8.2#



#89
Benzo(k)fluoranthene
Concen: 5.202 ng
RT: 22.95 min Scan# 3394
Delta R.T. -0.06 min
Lab File: BM020115.D
Acq: 03 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.8	26.8
125	8.8	5.4	8.0#

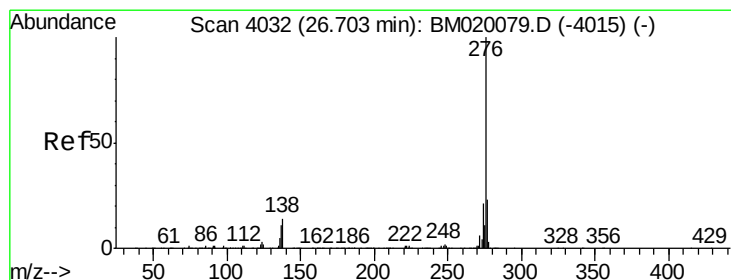
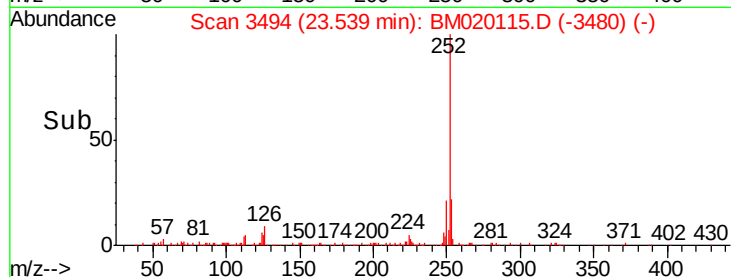
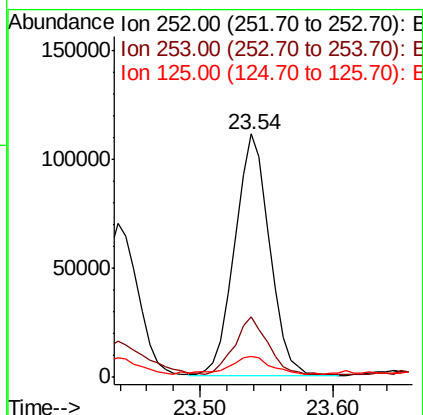
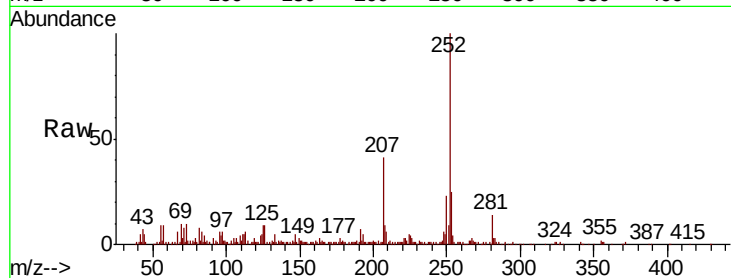




#90
Benzo(a)pyrene
Concen: 3.611 ng
RT: 23.54 min Scan# 3494
Delta R.T. -0.02 min
Lab File: BM020115.D
Acq: 03 May 2019 17:04

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	8.6	5.5	8.3#



#92
Benzo(g,h,i)perylene
Concen: 2.137 ng
RT: 26.67 min Scan# 4027
Delta R.T. -0.03 min
Lab File: BM020115.D
Acq: 03 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.8	18.4	27.6
138	10.8	11.1	16.7#

