

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051219\
 Data File : BM020308.D
 Acq On : 12 May 2019 20:54
 Operator : JU/SJ
 Sample : K2767-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS009-1824-01

Quant Time: May 13 05:24:49 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

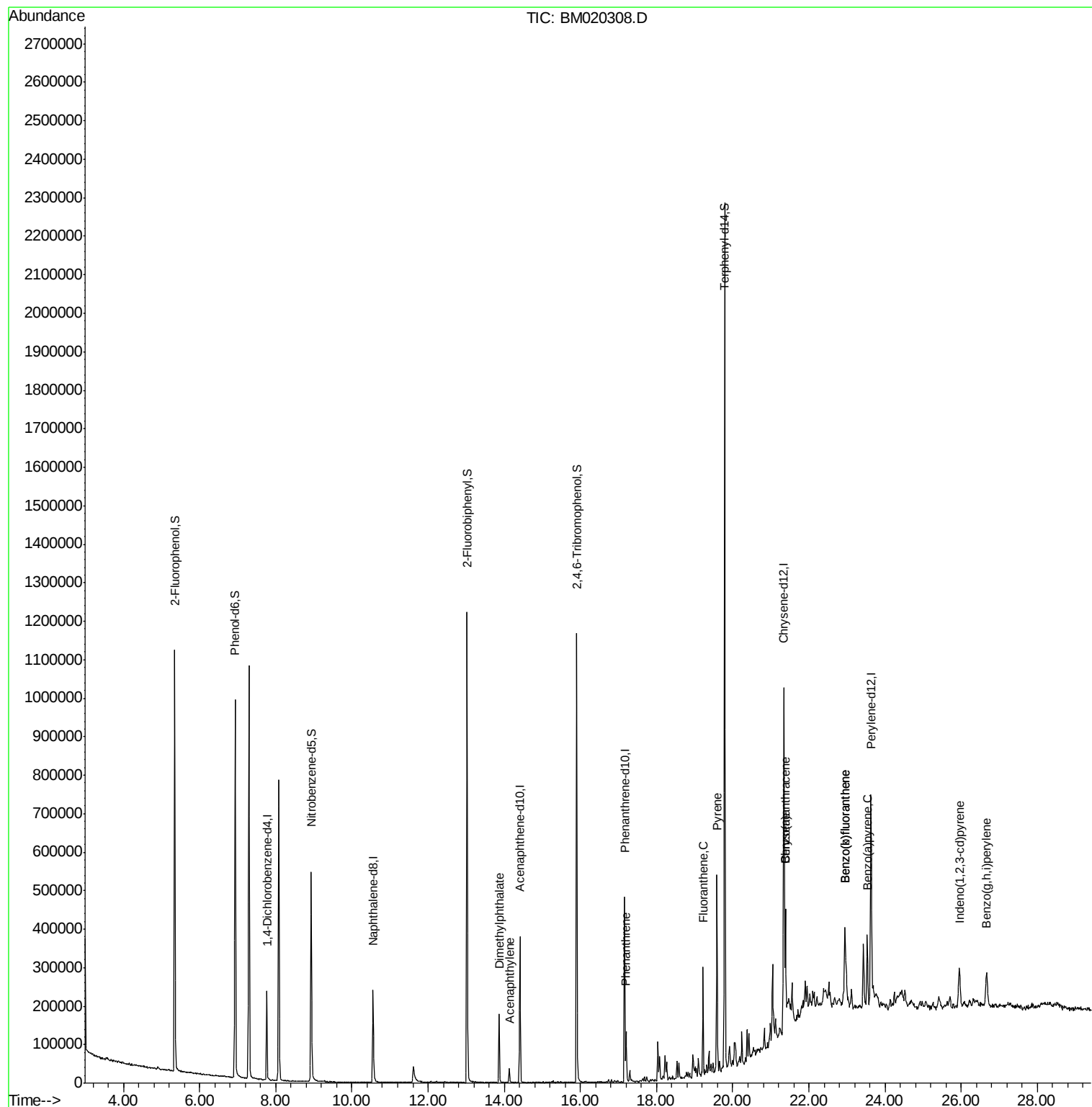
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	61763	20.00	ng	-0.03
21) Naphthalene-d8	10.56	136	200444	20.00	ng	-0.03
39) Acenaphthene-d10	14.41	164	121942	20.00	ng	-0.02
64) Phenanthrene-d10	17.16	188	295276	20.00	ng	-0.02
76) Chrysene-d12	21.34	240	346013	20.00	ng	-0.02
87) Perylene-d12	23.63	264	419589	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	427666	113.18	ng	-0.02
7) Phenol-d6	6.93	99	566867	109.82	ng	-0.02
23) Nitrobenzene-d5	8.93	82	374803	73.82	ng	-0.03
42) 2,4,6-Tribromophenol	15.90	330	210690	111.31	ng	-0.02
45) 2-Fluorobiphenyl	13.03	172	628660	63.43	ng	-0.03
79) Terphenyl-d14	19.79	244	1031853	52.01	ng	-0.02
Target Compounds						
49) Acenaphthylene	14.13	152	30348	2.366	ng	Qvalue 96
50) Dimethylphthalate	13.87	163	110807	10.691	ng	97
71) Phenanthrene	17.20	178	80274	4.925	ng	98
75) Fluoranthene	19.22	202	158083	7.665	ng	99
78) Pyrene	19.59	202	306940	13.213	ng	98
81) Benzo(a)anthracene	21.39	228	122773	5.059	ng	95
83) Chrysene	21.39	228	146936	6.244	ng	98
86) Indeno(1,2,3-cd)pyrene	25.95	276	96499	3.447	ng	# 100
88) Benzo(b)fluoranthene	22.94	252	218712	7.894	ng	# 97
89) Benzo(k)fluoranthene	22.94	252	218393	8.641	ng	# 96
90) Benzo(a)pyrene	23.53	252	111737	4.440	ng	# 96
92) Benzo(g,h,i)perylene	26.67	276	116533	4.690	ng	98

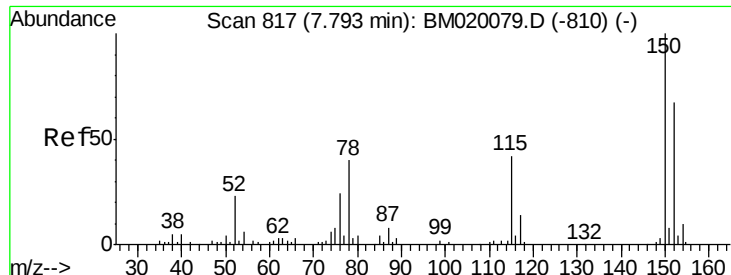
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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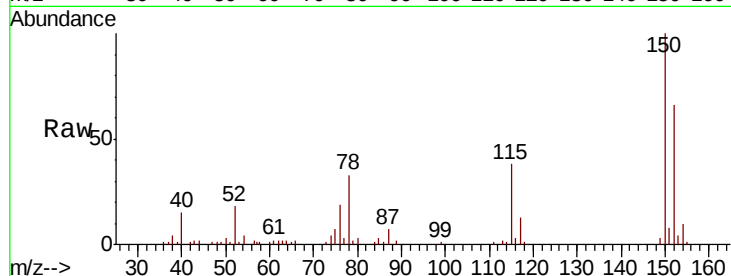


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.76 min Scan# 812
 Delta R.T. -0.03 min
 Lab File: BM020308.D
 Acq: 12 May 2019 20:54

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS009-1824-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.3	119.8	179.8
115	57.9	50.8	76.2

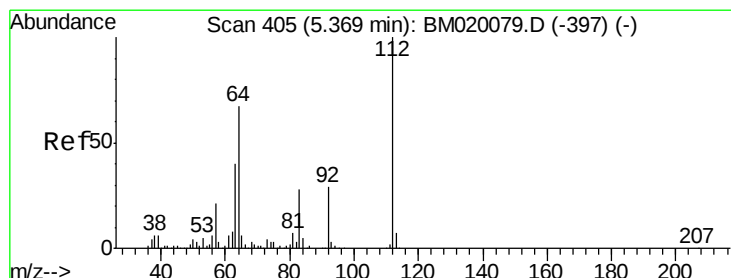
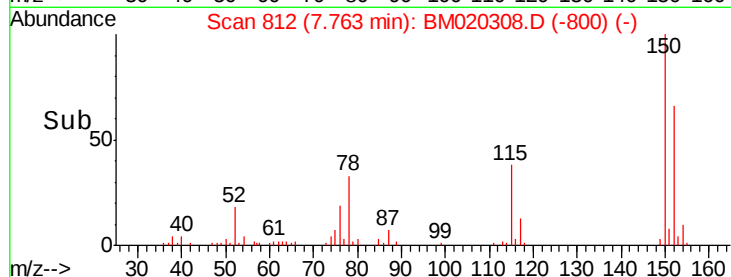
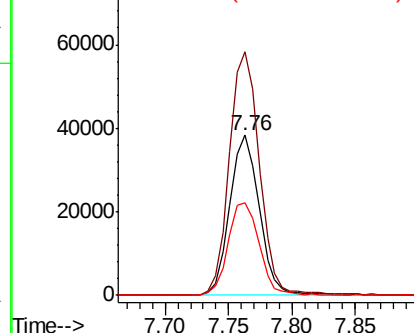


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

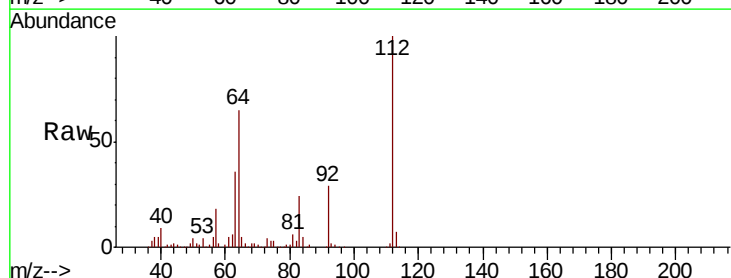
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 113.184 ng
 RT: 5.35 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: BM020308.D
 Acq: 12 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	53.8	80.6
63	35.6	32.3	48.5

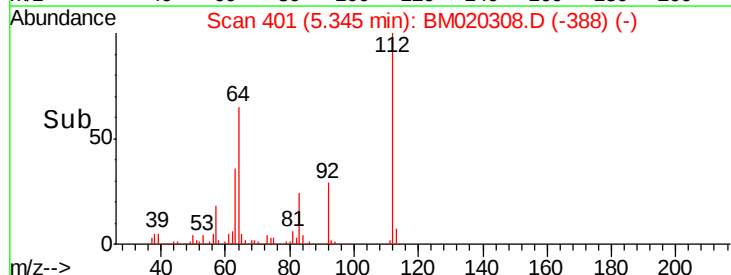
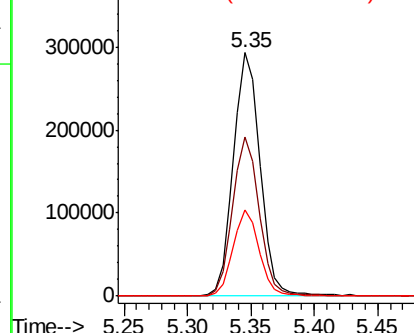


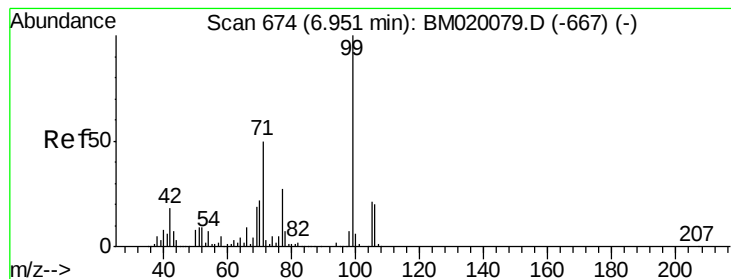
Abundance

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: 109.816 ng

RT: 6.93 min Scan# 671

Delta R.T. -0.02 min

Lab File: BM020308.D

Acq: 12 May 2019 20:54

Instrument :

BNA_M

ClientSampleId :

P026-SS009-1824-01

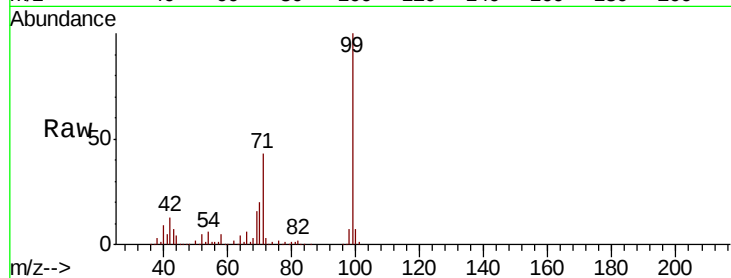
Tgt Ion: 99 Resp: 566867

Ion Ratio Lower Upper

99 100

42 13.3 14.2 21.2#

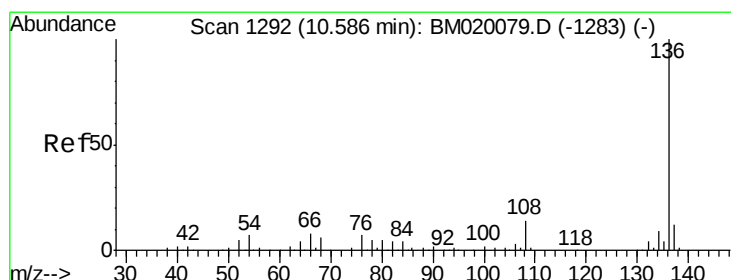
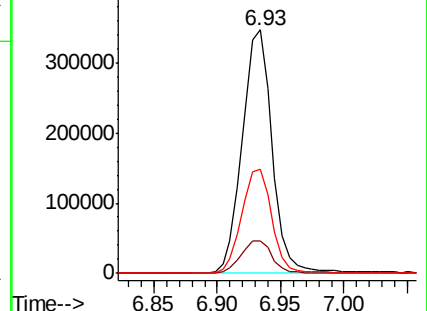
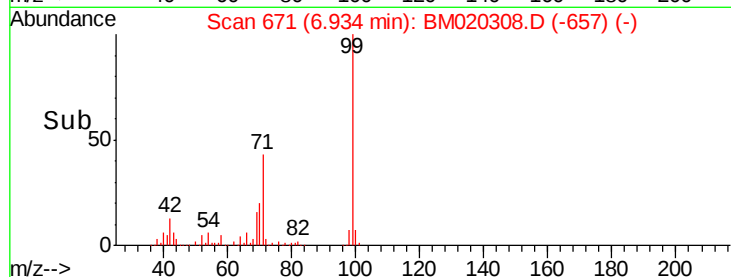
71 42.7 40.3 60.5



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) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.56 min Scan# 1287

Delta R.T. -0.03 min

Lab File: BM020308.D

Acq: 12 May 2019 20:54

Tgt Ion: 136 Resp: 200444

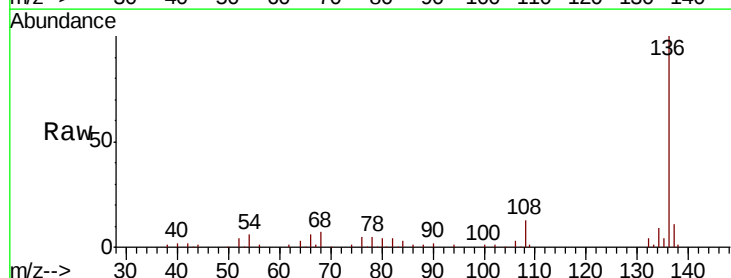
Ion Ratio Lower Upper

136 100

137 11.0 9.6 14.4

54 6.2 5.5 8.3

68 7.1 4.6 6.8#

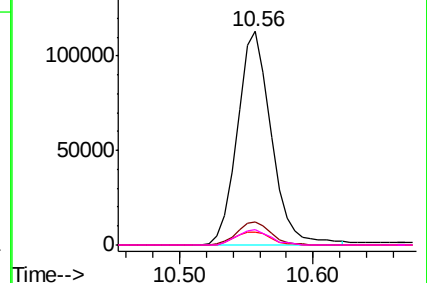
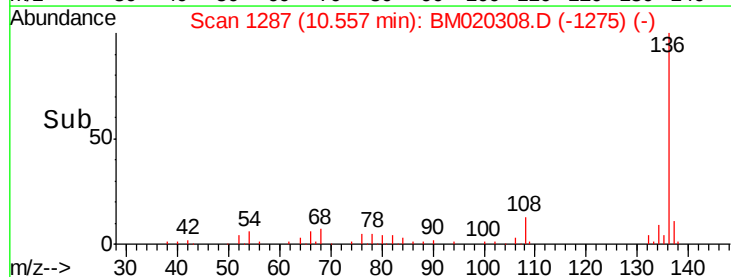


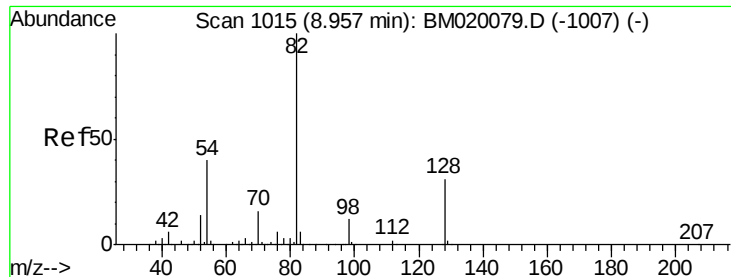
Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

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) (-)

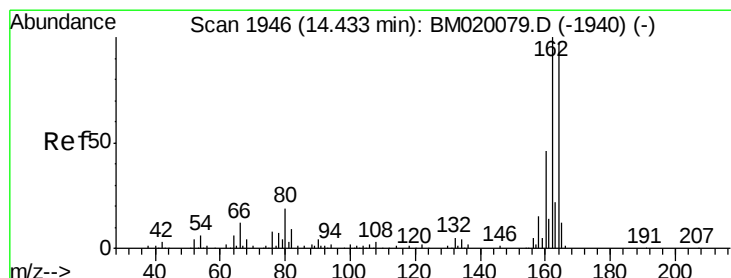
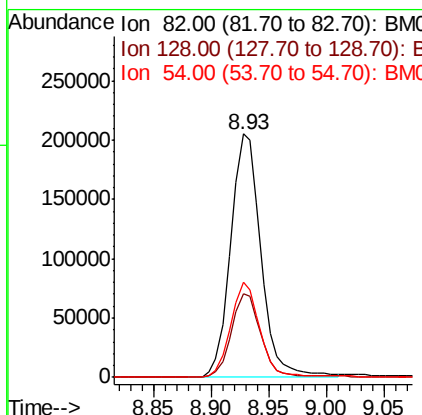
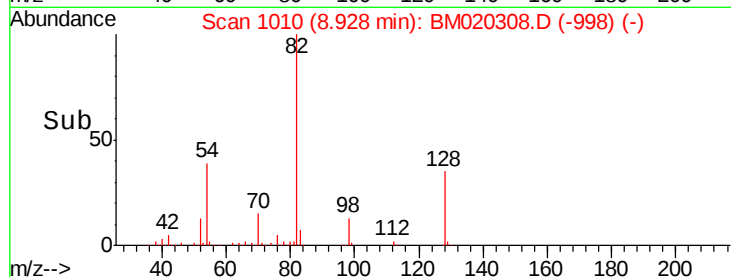
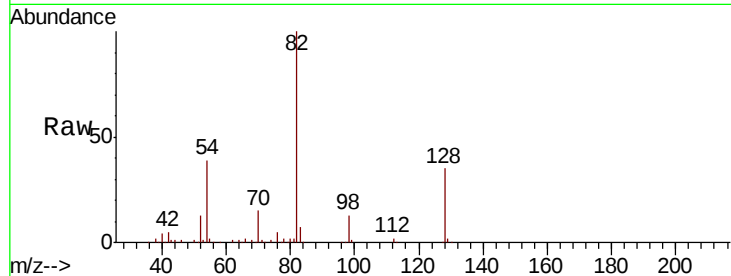




#23
Nitrobenzene-d5
Concen: 73.822 ng
RT: 8.93 min Scan# 1010
Delta R.T. -0.03 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

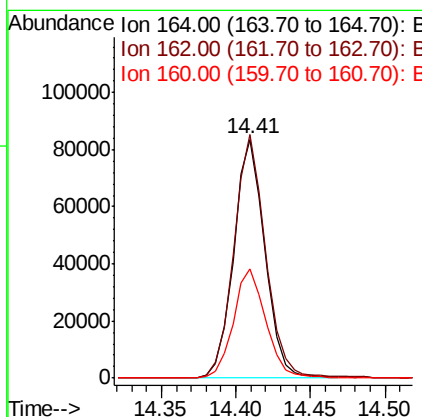
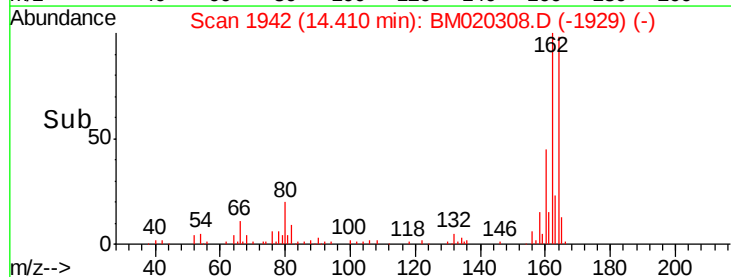
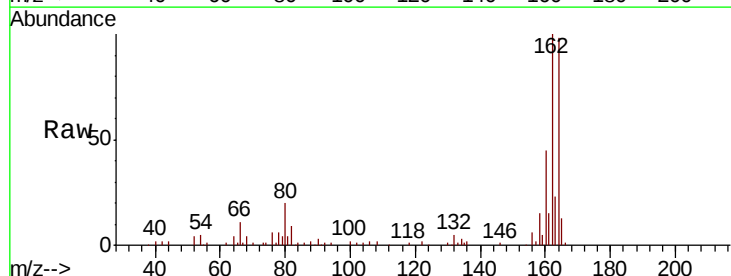
Instrument :
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P026-SS009-1824-01

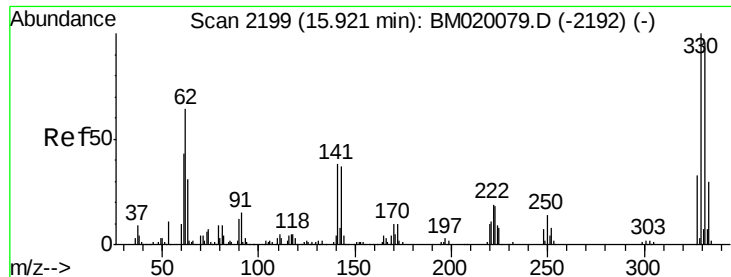
Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.5	25.2	37.8
54	39.3	31.9	47.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.41 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.2	123.2
160	45.8	37.6	56.4

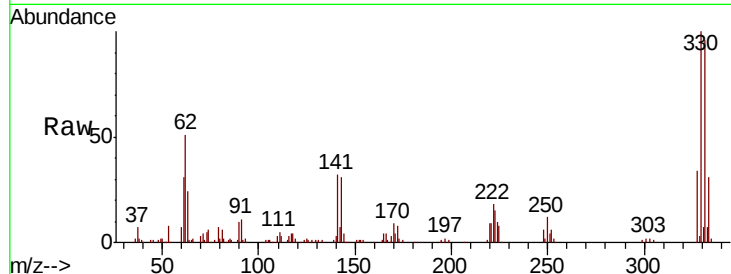




#42
 2,4,6-Tribromophenol
 Concen: 111.313 ng
 RT: 15.90 min Scan# 2196
 Delta R.T. -0.02 min
 Lab File: BM020308.D
 Acq: 12 May 2019 20:54

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS009-1824-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.8	115.2
141	33.0	29.2	43.8

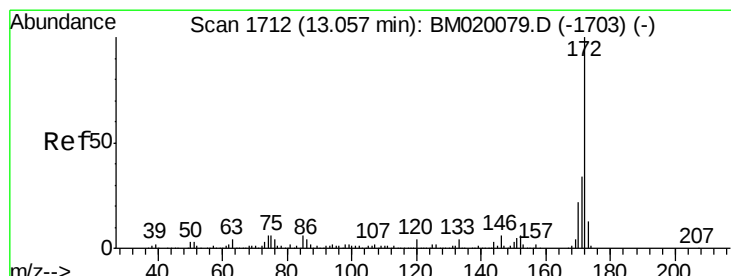
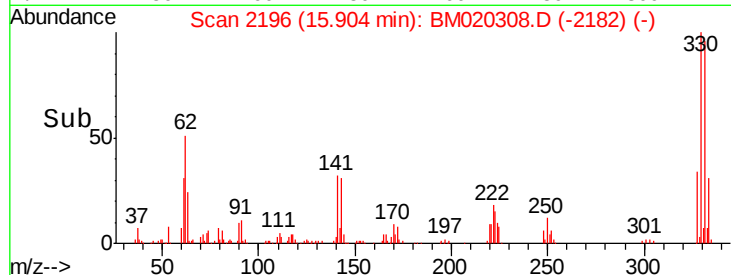
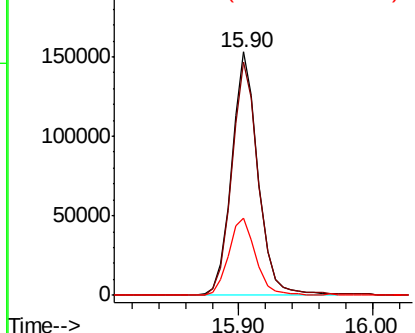


Abundance

Ion 329.80 (329.50 to 330.50): E

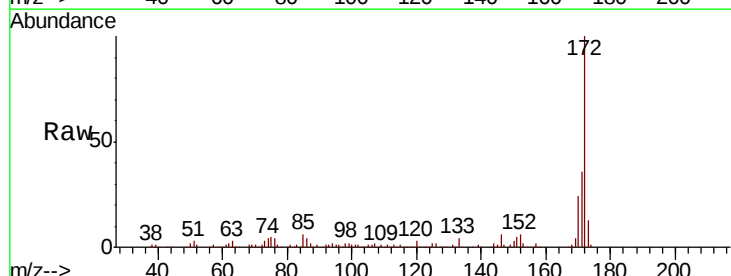
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 63.430 ng
 RT: 13.03 min Scan# 1707
 Delta R.T. -0.03 min
 Lab File: BM020308.D
 Acq: 12 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.3	40.9
170	23.5	17.9	26.9

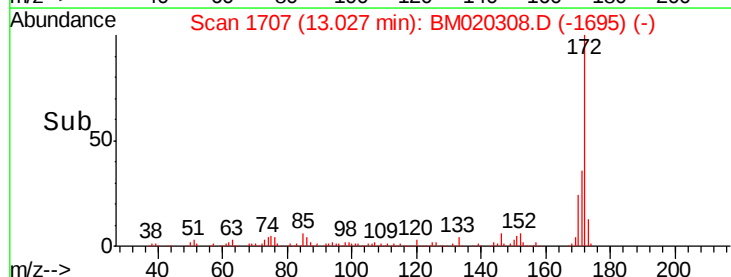
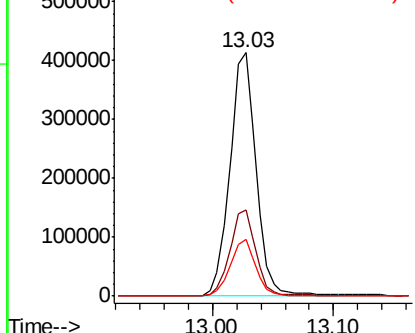


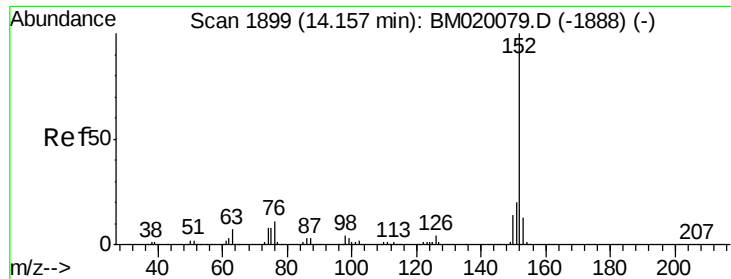
Abundance

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: 2.366 ng

RT: 14.13 min Scan# 1895

Delta R.T. -0.02 min

Lab File: BM020308.D

Acq: 12 May 2019 20:54

Instrument :

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ClientSampleId :

P026-SS009-1824-01

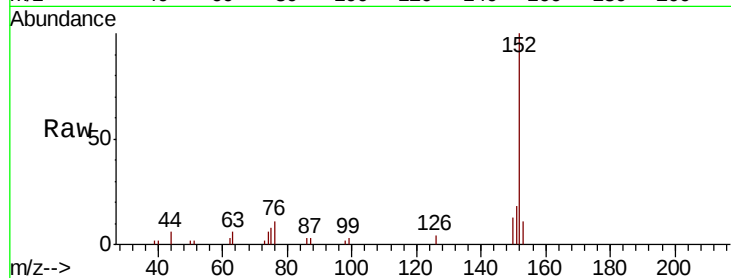
Tgt Ion:152 Resp: 30348

Ion Ratio Lower Upper

152 100

151 18.3 16.2 24.2

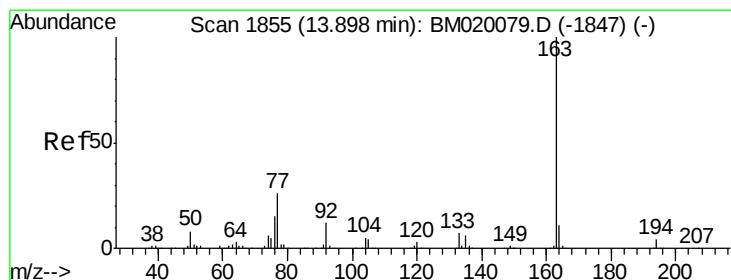
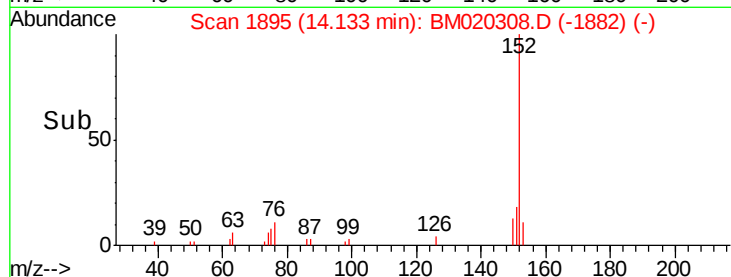
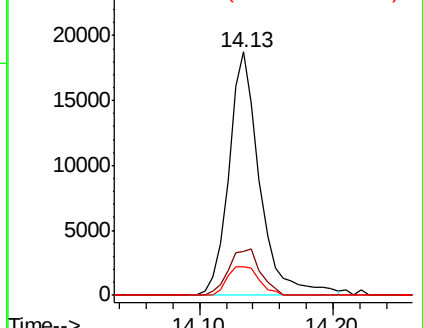
153 11.5 10.6 16.0



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



#50

Dimethylphthalate

Concen: 10.691 ng

RT: 13.87 min Scan# 1850

Delta R.T. -0.03 min

Lab File: BM020308.D

Acq: 12 May 2019 20:54

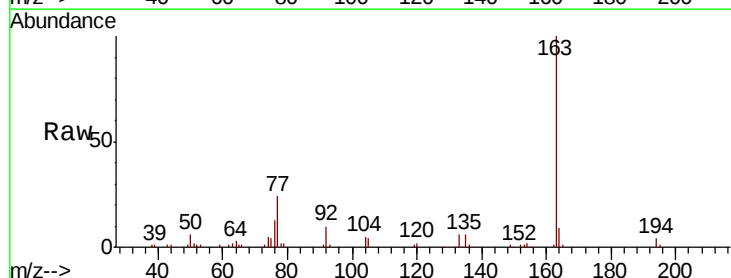
Tgt Ion:163 Resp: 110807

Ion Ratio Lower Upper

163 100

194 4.2 3.6 5.4

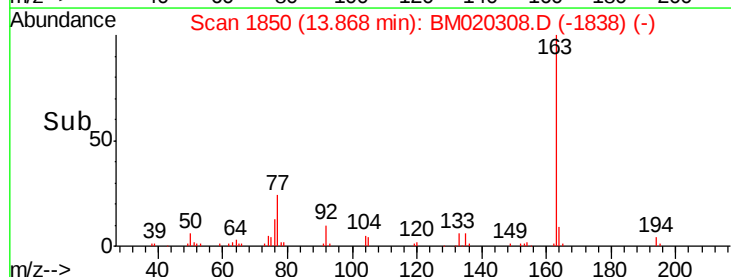
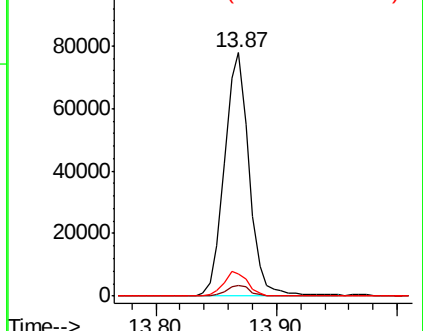
164 8.9 8.4 12.6

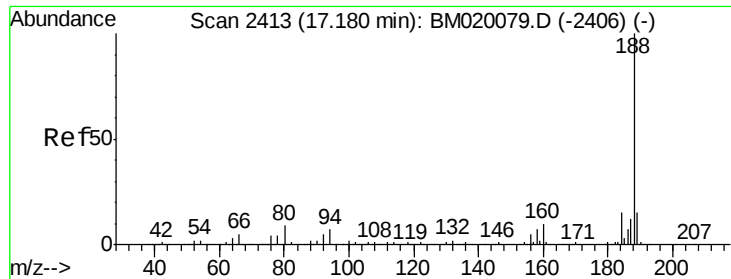


Abundance Ion 163.00 (162.70 to 163.70): E

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: 17.16 min Scan# 2410

Delta R.T. -0.02 min

Lab File: BM020308.D

Acq: 12 May 2019 20:54

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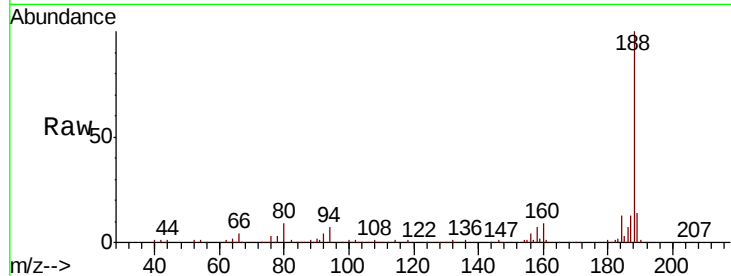
Tgt Ion:188 Resp: 295276

Ion Ratio Lower Upper

188 100

94 7.4 5.8 8.6

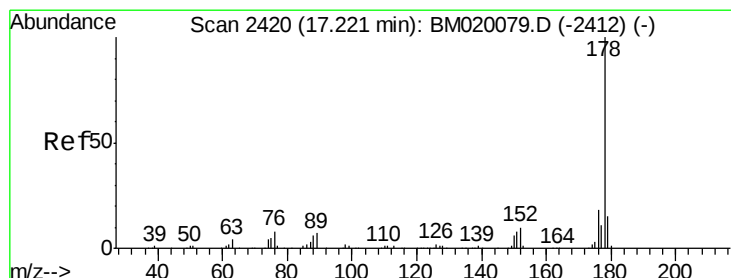
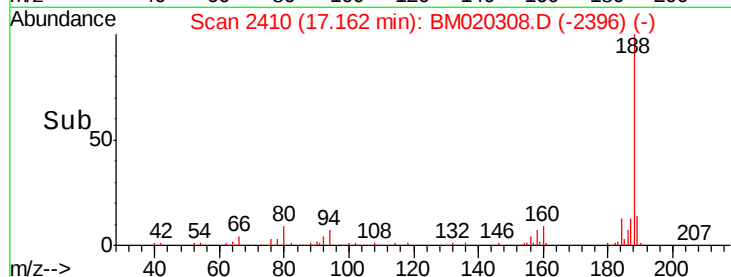
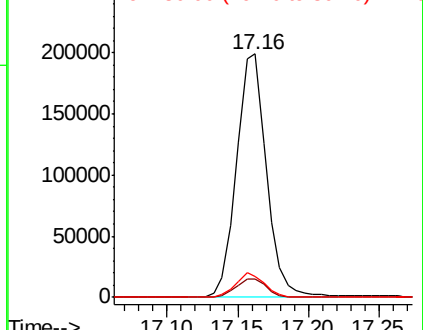
80 8.7 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 4.925 ng

RT: 17.20 min Scan# 2417

Delta R.T. -0.02 min

Lab File: BM020308.D

Acq: 12 May 2019 20:54

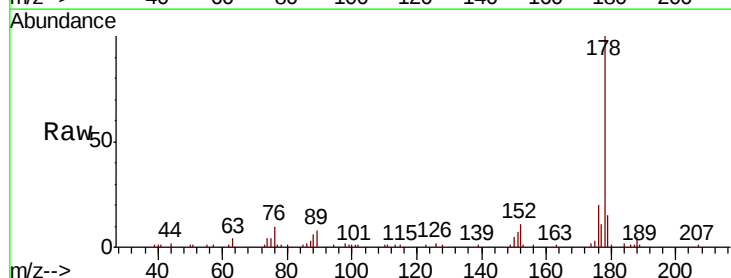
Tgt Ion:178 Resp: 80274

Ion Ratio Lower Upper

178 100

176 19.7 14.6 21.8

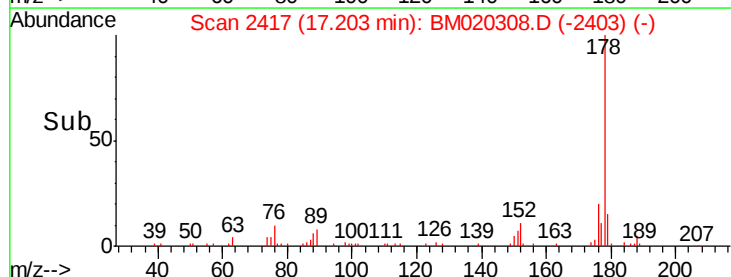
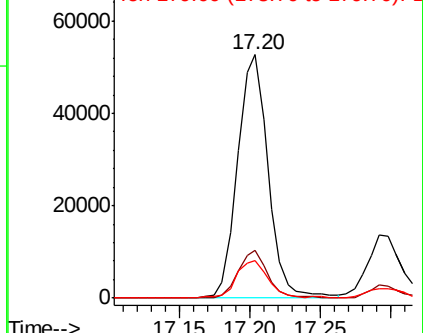
179 15.5 12.4 18.6

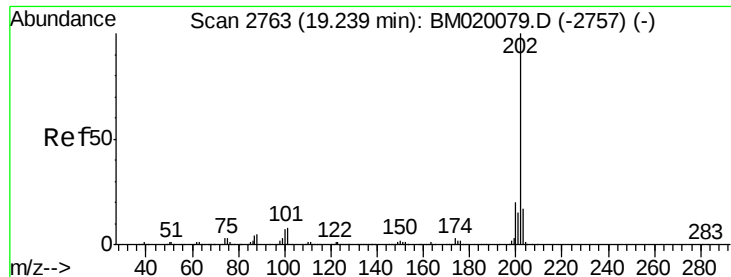


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.665 ng

RT: 19.22 min Scan# 2760

Delta R.T. -0.02 min

Lab File: BM020308.D

Acq: 12 May 2019 20:54

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P026-SS009-1824-01

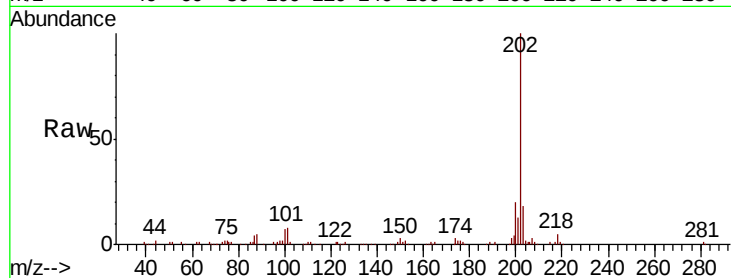
Tgt Ion:202 Resp: 158083

Ion Ratio Lower Upper

202 100

101 8.4 0.0 28.4

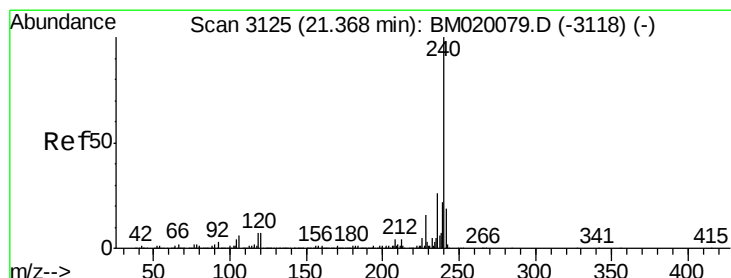
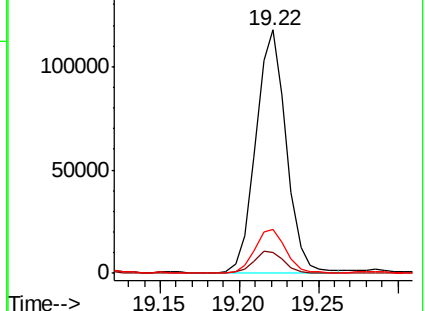
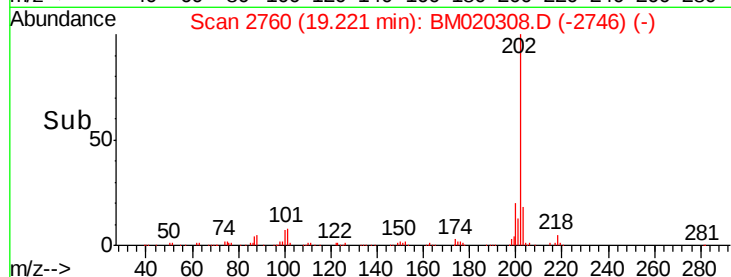
203 18.1 0.0 37.4



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: 21.34 min Scan# 3121

Delta R.T. -0.02 min

Lab File: BM020308.D

Acq: 12 May 2019 20:54

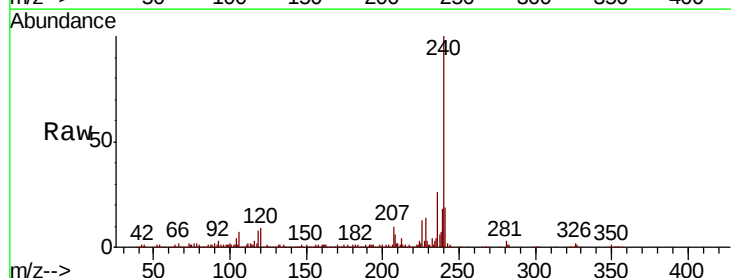
Tgt Ion:240 Resp: 346013

Ion Ratio Lower Upper

240 100

120 8.6 5.6 8.4#

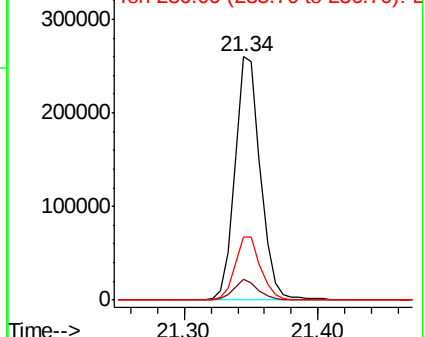
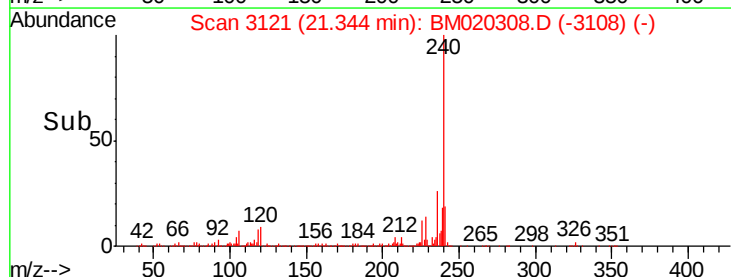
236 25.7 20.9 31.3

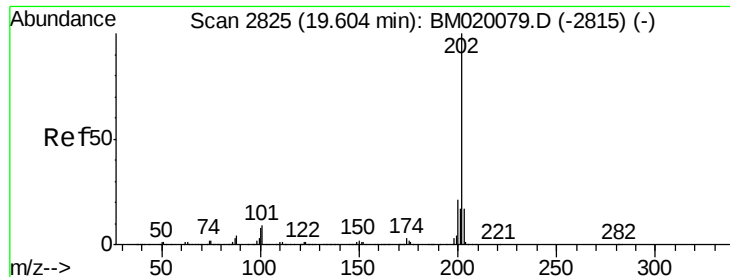


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

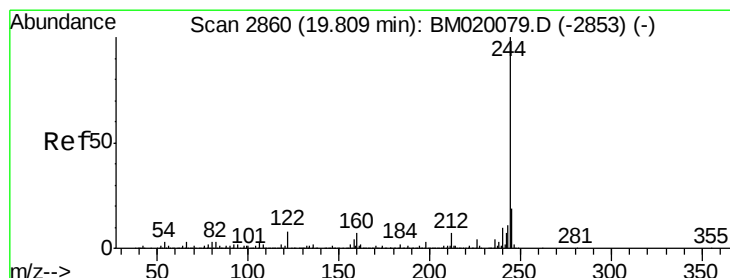
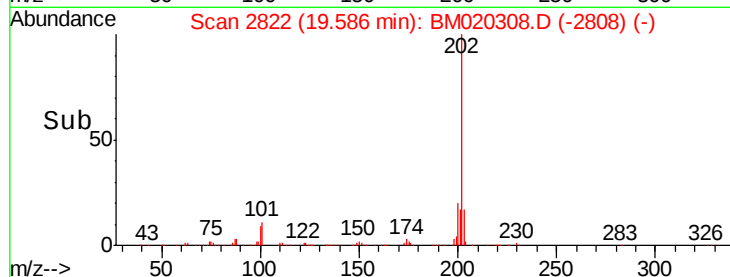
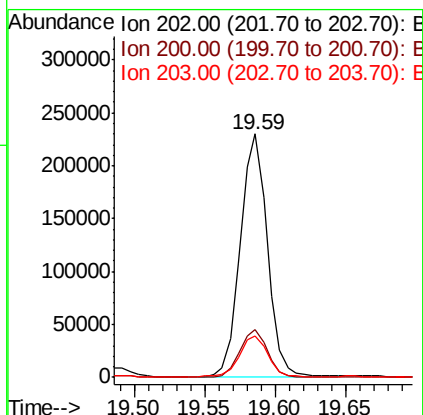
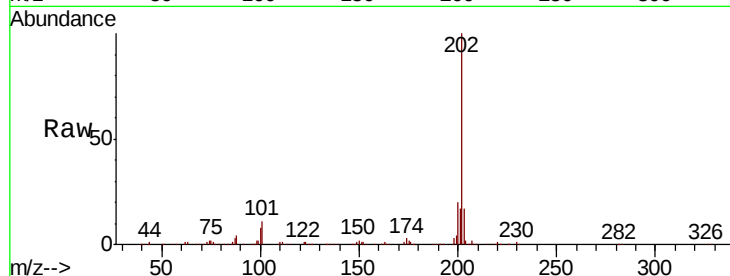




#78
 Pyrene
 Concen: 13.213 ng
 RT: 19.59 min Scan# 2822
 Delta R.T. -0.02 min
 Lab File: BM020308.D
 Acq: 12 May 2019 20:54

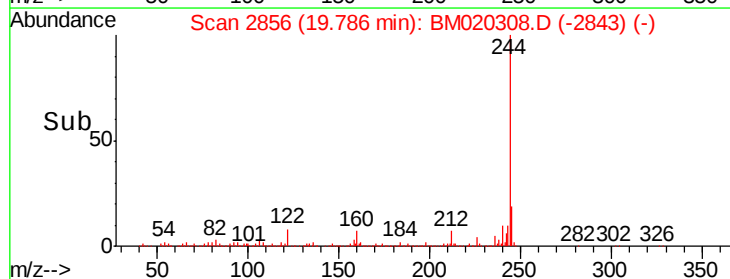
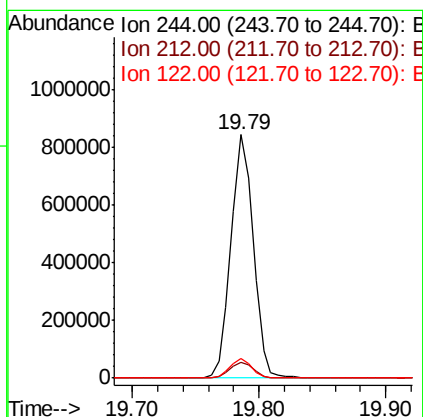
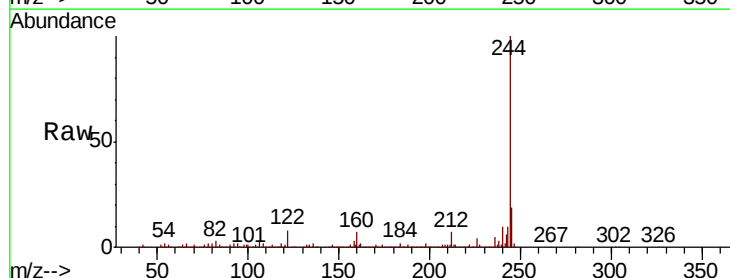
Instrument :
 BNA_M
 ClientSampleId :
 P026-SS009-1824-01

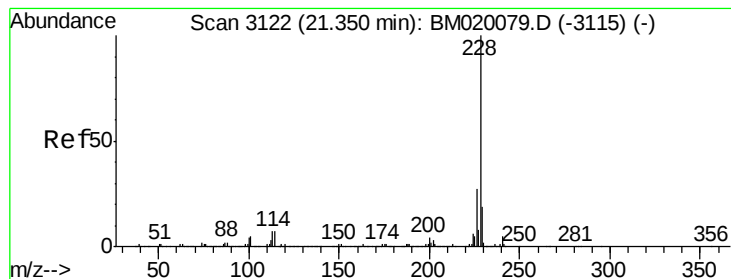
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.5	24.7
203	16.8	13.9	20.9



#79
 Terphenyl-d14
 Concen: 52.015 ng
 RT: 19.79 min Scan# 2856
 Delta R.T. -0.02 min
 Lab File: BM020308.D
 Acq: 12 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	7.9	6.2	9.2





#81

Benzo(a)anthracene

Concen: 5.059 ng

RT: 21.39 min Scan# 3128

Delta R.T. 0.04 min

Lab File: BM020308.D

Acq: 12 May 2019 20:54

Instrument :

BNA_M

ClientSampleId :

P026-SS009-1824-01

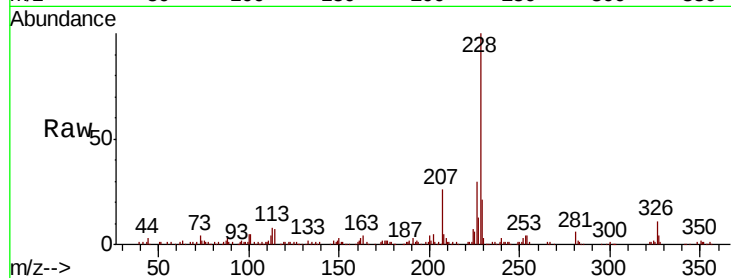
Tgt Ion:228 Resp: 122773

Ion Ratio Lower Upper

228 100

226 29.6 21.3 31.9

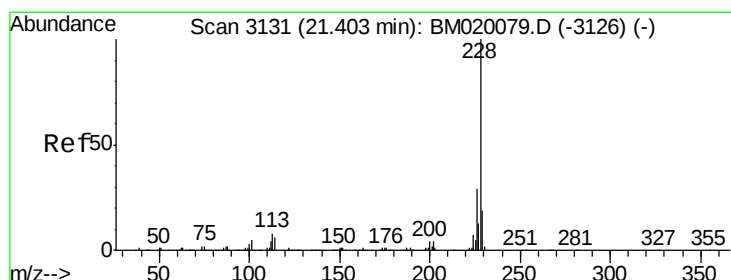
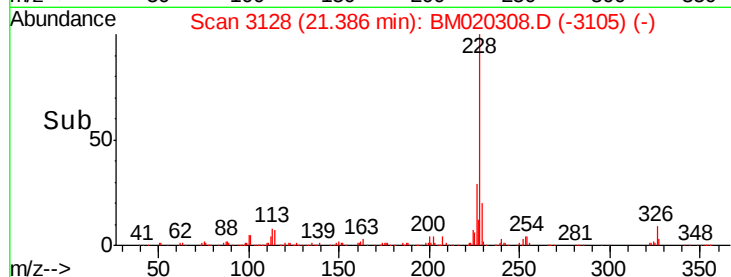
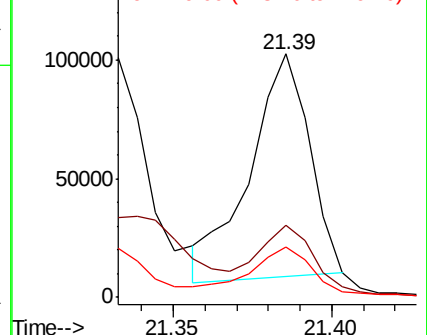
229 20.7 15.5 23.3



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: 6.244 ng

RT: 21.39 min Scan# 3128

Delta R.T. -0.02 min

Lab File: BM020308.D

Acq: 12 May 2019 20:54

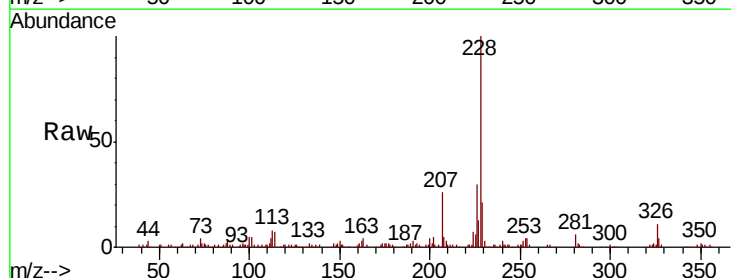
Tgt Ion:228 Resp: 146936

Ion Ratio Lower Upper

228 100

226 29.6 23.0 34.6

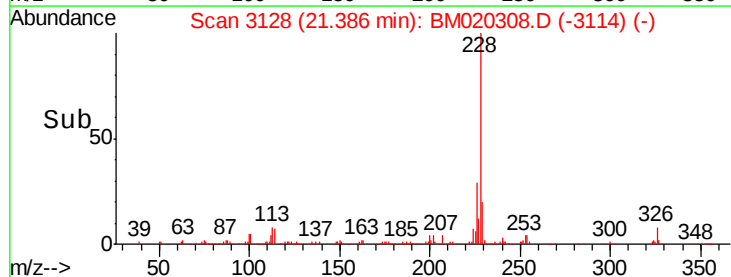
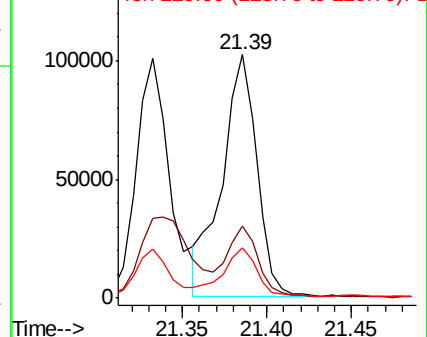
229 20.7 15.5 23.3

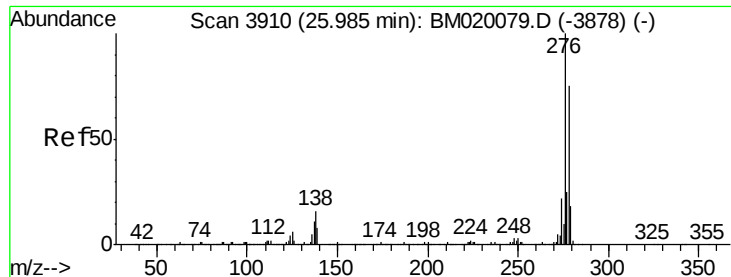


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

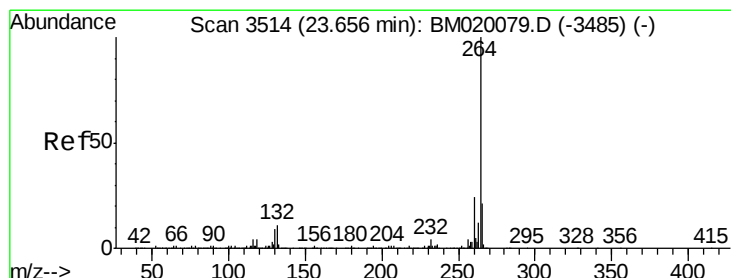
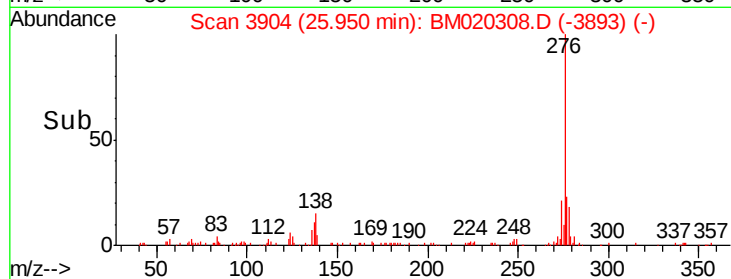
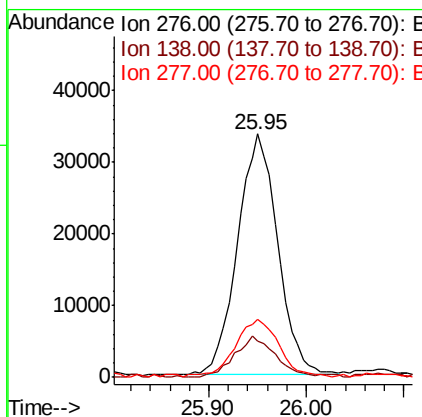
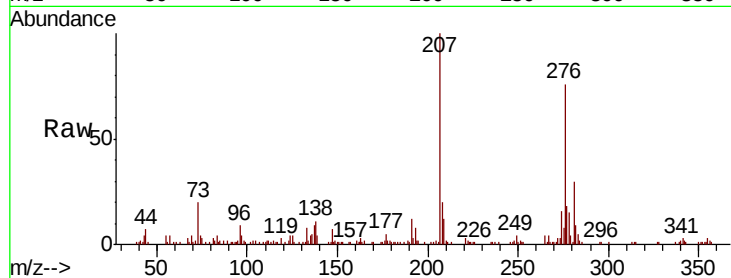




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.447 ng
 RT: 25.95 min Scan# 3904
 Delta R.T. -0.04 min
 Lab File: BM020308.D
 Acq: 12 May 2019 20:54

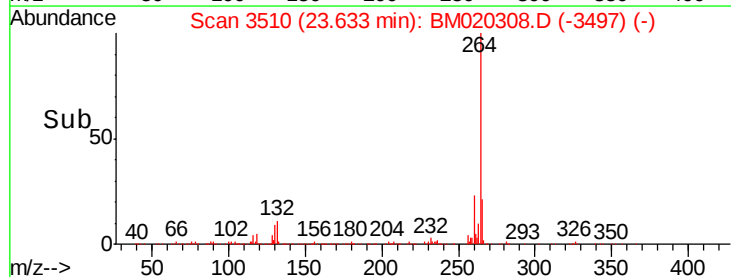
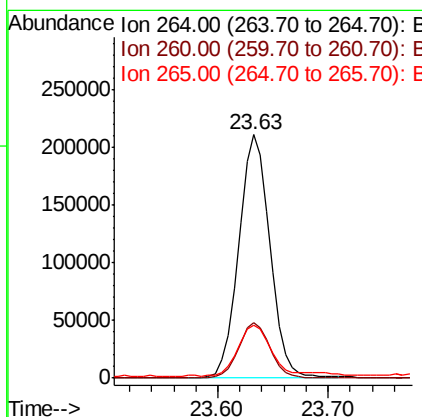
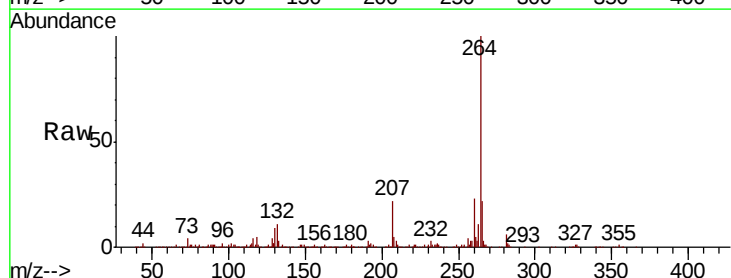
Instrument :
 BNA_M
 ClientSampleId :
 P026-SS009-1824-01

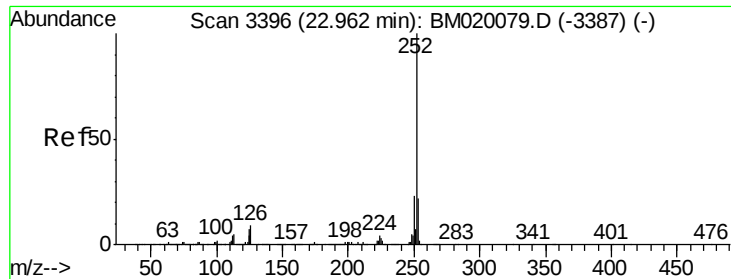
Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.2	0.0	0.0#
277	26.5	0.0	0.0#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.63 min Scan# 3510
 Delta R.T. -0.02 min
 Lab File: BM020308.D
 Acq: 12 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.9	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 7.894 ng

RT: 22.94 min Scan# 3393

Delta R.T. -0.02 min

Lab File: BM020308.D

Acq: 12 May 2019 20:54

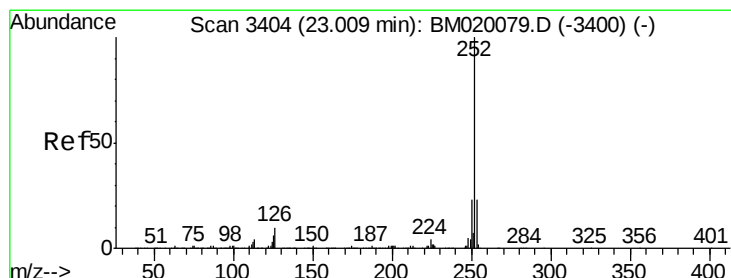
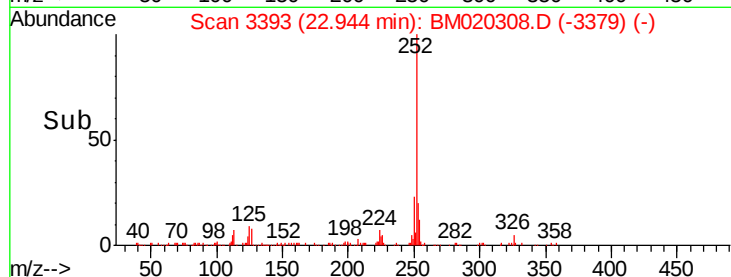
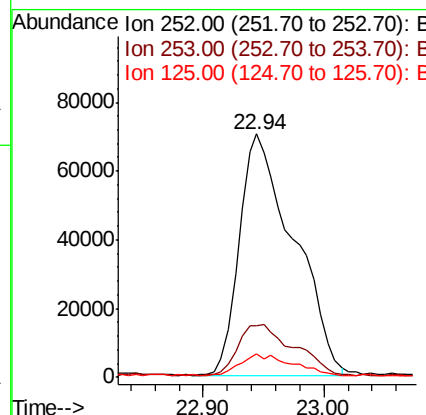
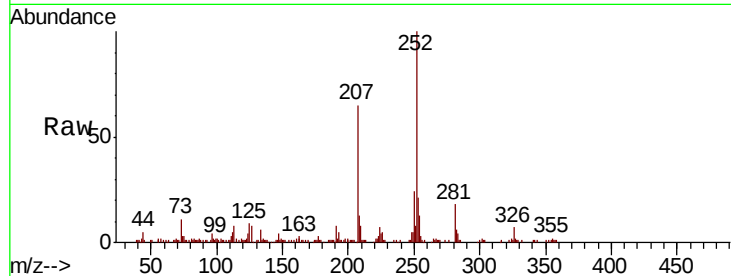
Instrument :

BNA_M

ClientSampleId :

P026-SS009-1824-01

Tgt Ion:	252	Resp:	218712
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.5	26.3
125	9.4	5.4	8.2#



#89

Benzo(k)fluoranthene

Concen: 8.641 ng

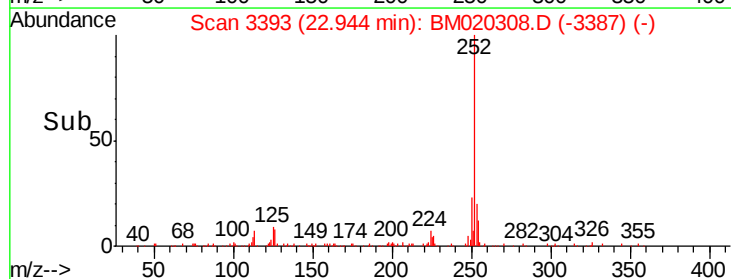
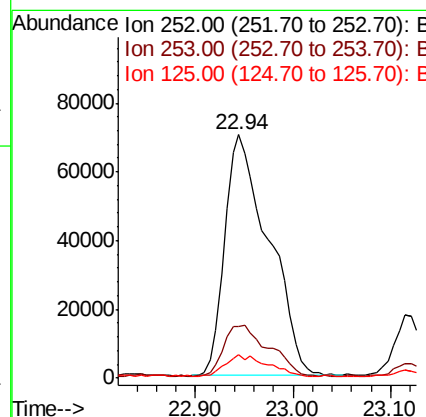
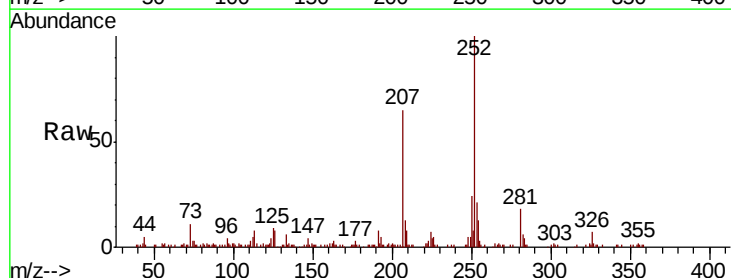
RT: 22.94 min Scan# 3393

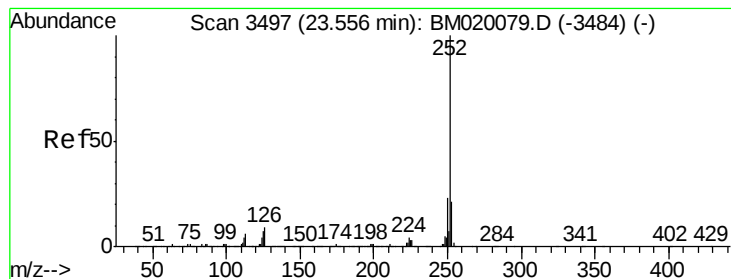
Delta R.T. -0.06 min

Lab File: BM020308.D

Acq: 12 May 2019 20:54

Tgt Ion:	252	Resp:	218393
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.8	26.8
125	9.4	5.4	8.0#





#90

Benzo(a)pyrene

Concen: 4.440 ng

RT: 23.53 min Scan# 3493

Delta R.T. -0.02 min

Lab File: BM020308.D

Acq: 12 May 2019 20:54

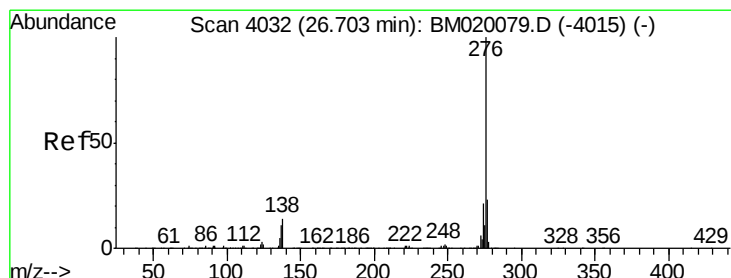
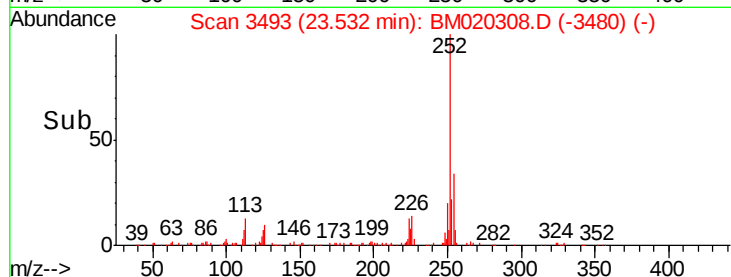
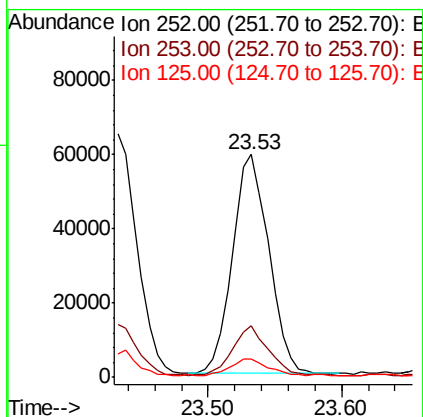
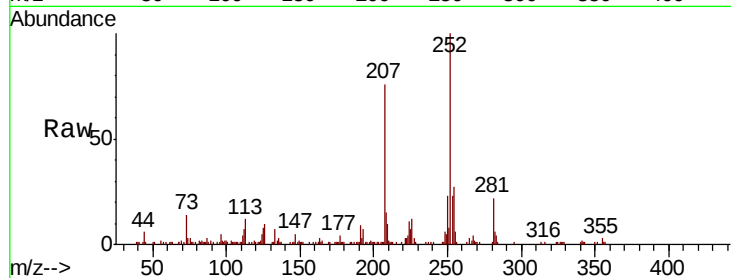
Instrument :

BNA_M

ClientSampleId :

P026-SS009-1824-01

Tgt Ion:	252	Resp:	111737
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	8.5	5.5	8.3#



#92

Benzo(g,h,i)perylene

Concen: 4.690 ng

RT: 26.67 min Scan# 4026

Delta R.T. -0.04 min

Lab File: BM020308.D

Acq: 12 May 2019 20:54

Tgt Ion:	276	Resp:	116533
Ion	Ratio	Lower	Upper
276	100		
277	22.3	18.4	27.6
138	13.2	11.1	16.7

