

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022451.D
 Acq On : 30 Aug 2019 21:20
 Operator : HP/JU
 Sample : K4618-07 20X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 31 00:09:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 16:51:32 2019
 Response via : Initial Calibration

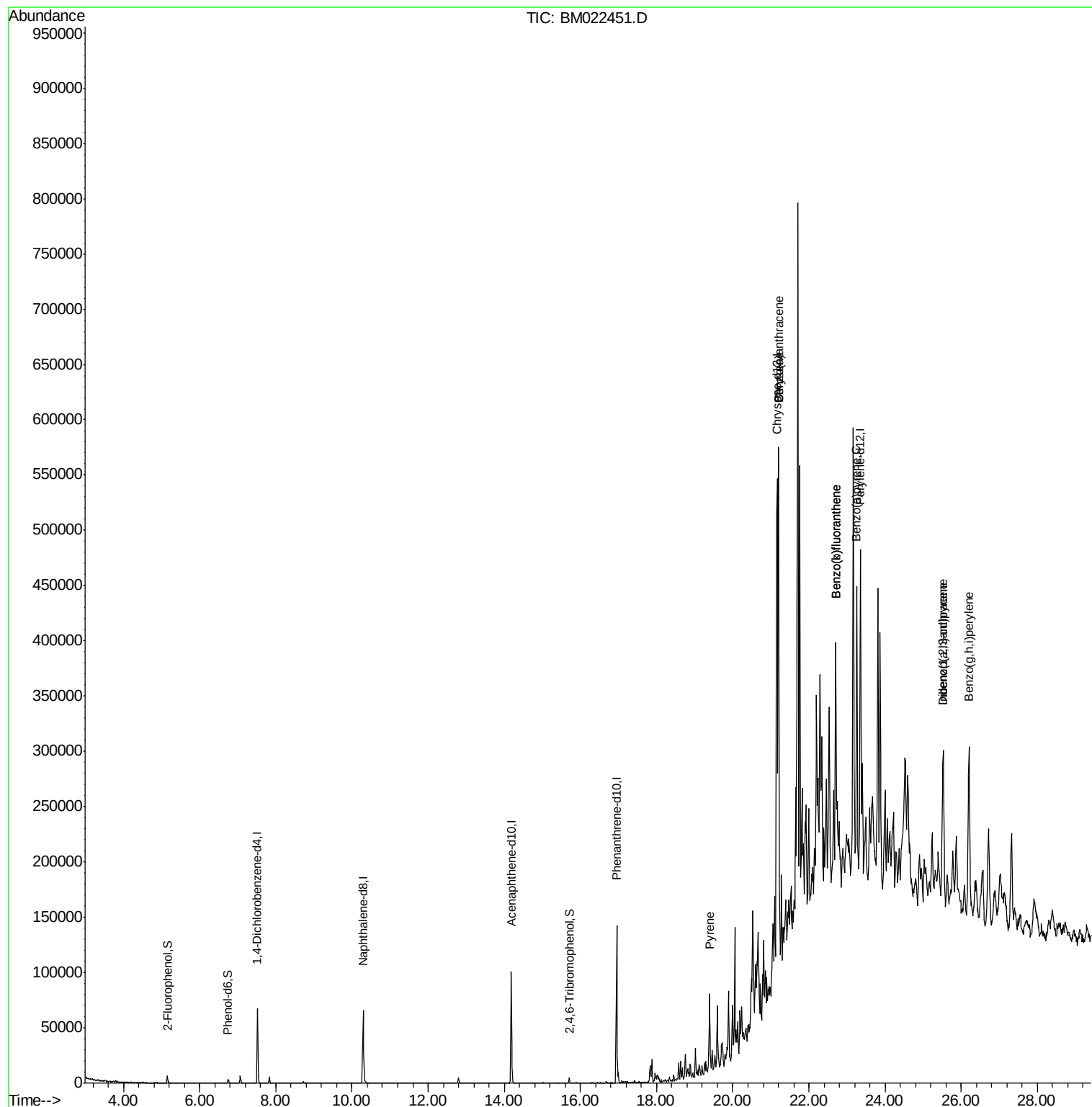
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	15770	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	55942	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	34214	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	79746	20.00	ng	0.00
76) Chrysene-d12	21.17	240	131537	20.00	ng	0.00
87) Perylene-d12	23.35	264	177983	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	3446	3.84	ng	0.00
7) Phenol-d6	6.74	99	3562	2.96	ng	0.02
23) Nitrobenzene-d5	8.72	82	2306	1.81	ng	0.02
42) 2,4,6-Tribromophenol	15.71	330	1559	2.23	ng	0.01
45) 2-Fluorobiphenyl	12.80	172	5437	1.80	ng	0.00
79) Terphenyl-d14	19.59	244	18638	1.87	ng	-0.01
Target Compounds						
78) Pyrene	19.39	202	45574	5.084	ng	97
81) Benzo(a)anthracene	21.20	228	232433	24.619	ng	95
83) Chrysene	21.20	228	250559	27.882	ng	97
86) Indeno(1,2,3-cd)pyrene	25.53	276	79478	8.793	ng	# 93
88) Benzo(b)fluoranthene	22.70	252	160756	13.001	ng	# 99
89) Benzo(k)fluoranthene	22.70	252	161135	13.137	ng	# 98
90) Benzo(a)pyrene	23.26	252	171603	15.636	ng	99
91) Dibenzo(a,h)anthracene	25.53	278	95416	8.719	ng	# 69
92) Benzo(g,h,i)perylene	26.20	276	156865	16.447	ng	98

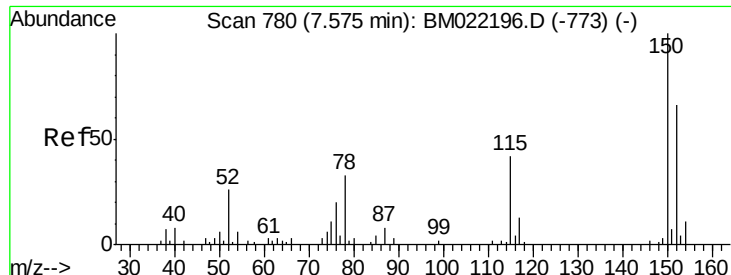
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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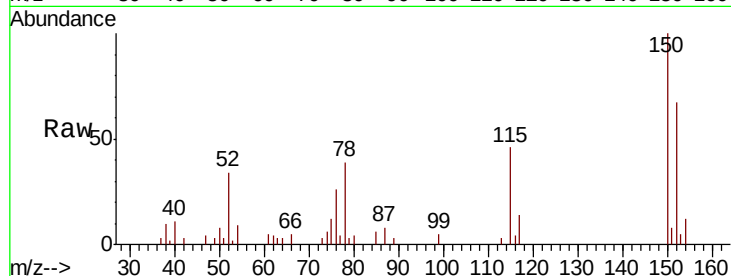


#1

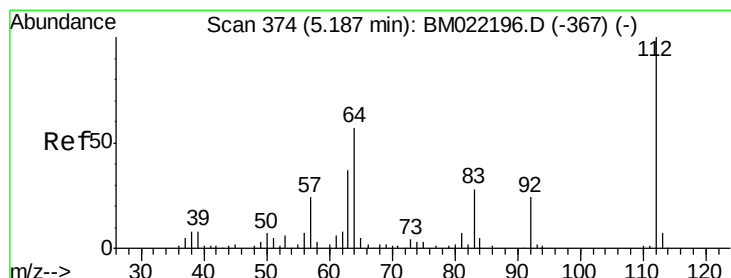
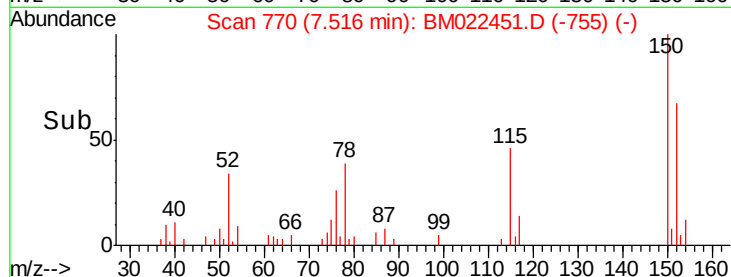
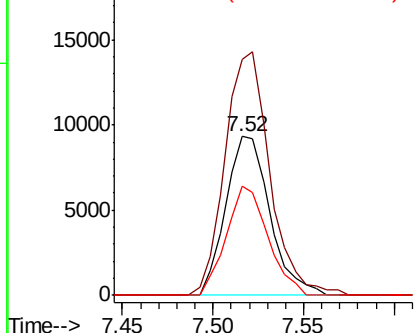
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 15770
Ion Ratio Lower Upper
152 100
150 148.2 125.4 188.0
115 68.6 50.3 75.5



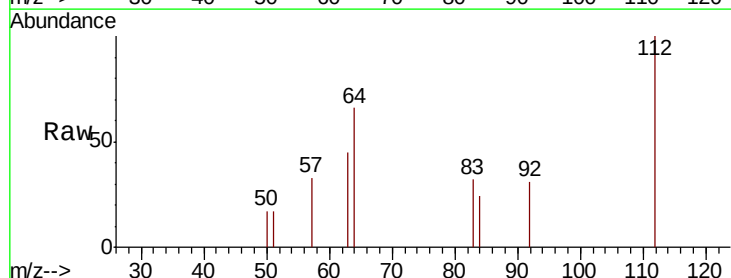
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



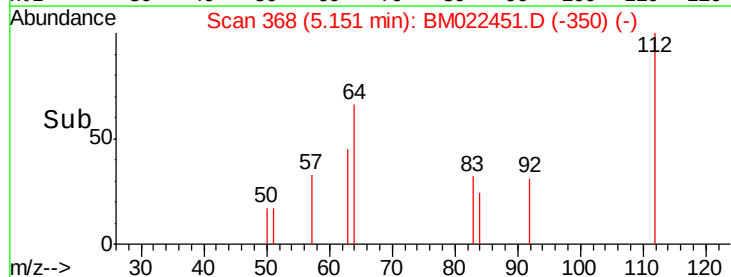
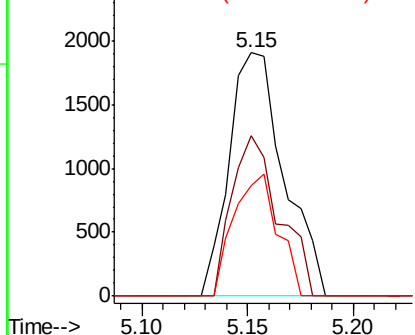
#5

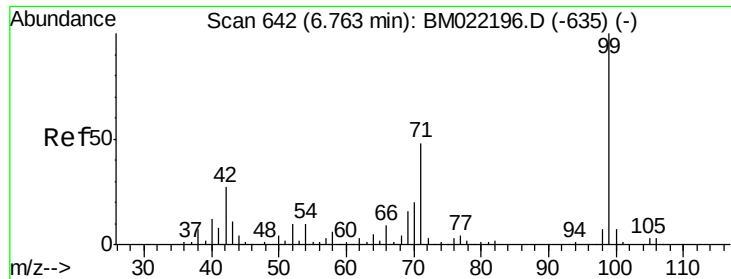
2-Fluorophenol
Concen: 3.836 ng
RT: 5.15 min Scan# 368
Delta R.T. 0.01 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Tgt Ion:112 Resp: 3446
Ion Ratio Lower Upper
112 100
64 66.0 45.4 68.2
63 45.4 34.5 51.7



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: 2.965 ng

RT: 6.74 min Scan# 638

Delta R.T. 0.02 min

Lab File: BM022451.D

Acq: 30 Aug 2019 21:20

Instrument :

BNA_M

ClientSampleId :

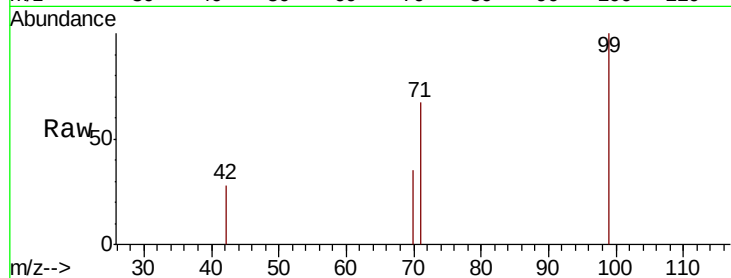
Tot Ion: 99 Resp: 3562

Ion Ratio Lower Upper

99 100

42 27.9 26.3 39.5

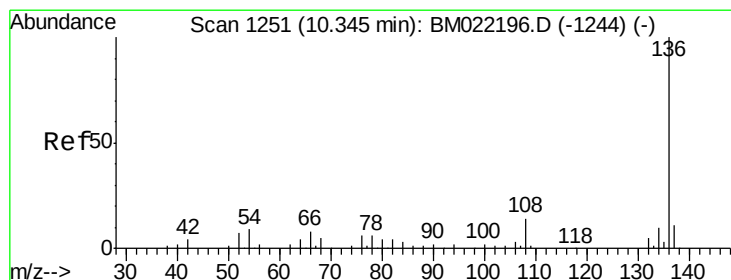
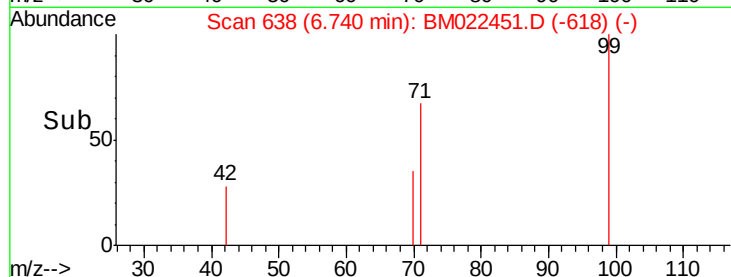
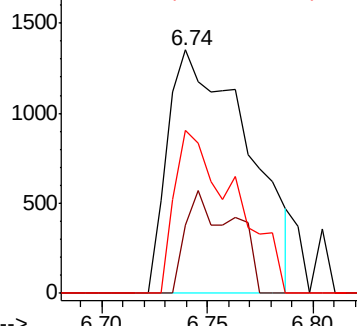
71 66.8 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022196.D (-635) (-)

Ion 42.00 (41.70 to 42.70): BM022196.D (-635) (-)

Ion 71.00 (70.70 to 71.70): BM022196.D (-635) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.29 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BM022451.D

Acq: 30 Aug 2019 21:20

Tgt Ion: 136 Resp: 55942

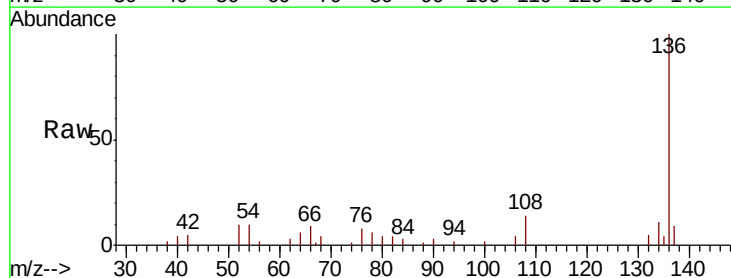
Ion Ratio Lower Upper

136 100

137 9.5 8.6 13.0

54 10.2 7.0 10.6

68 4.0 2.9 4.3

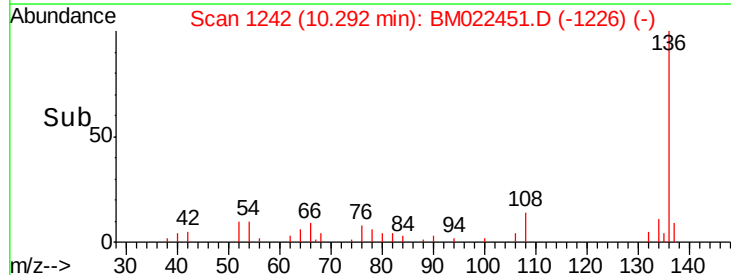
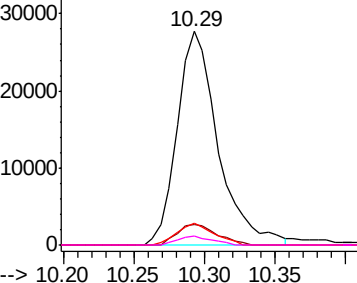


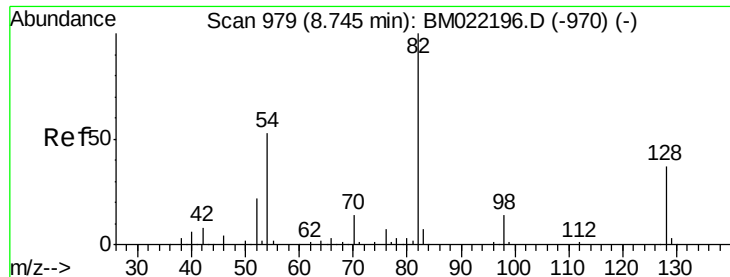
Abundance Ion 136.00 (135.70 to 136.70): BM022196.D (-1244) (-)

Ion 137.00 (136.70 to 137.70): BM022196.D (-1244) (-)

Ion 54.00 (53.70 to 54.70): BM022196.D (-1244) (-)

Ion 68.00 (67.70 to 68.70): BM022196.D (-1244) (-)

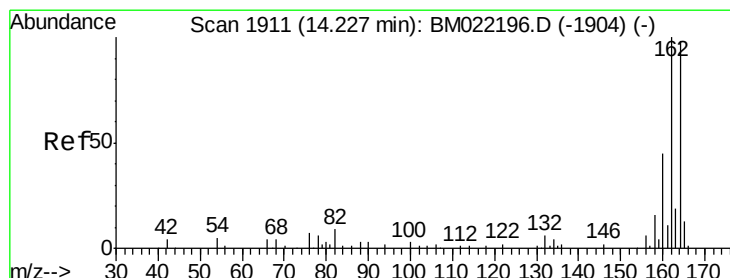
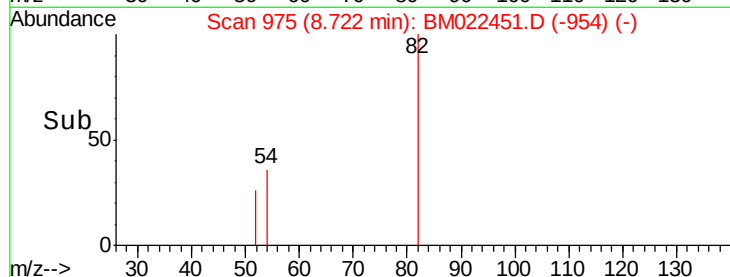
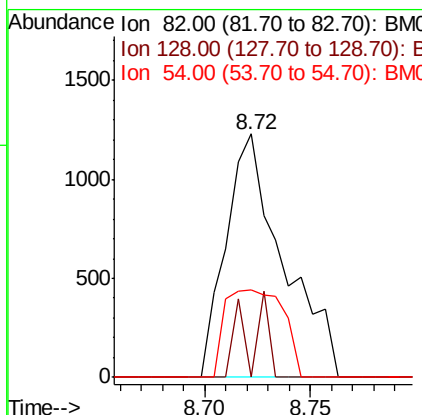
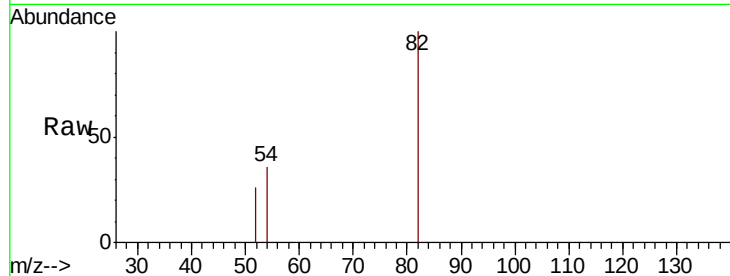




#23
 Nitrobenzene-d5
 Concen: 1.806 ng
 RT: 8.72 min Scan# 975
 Delta R.T. 0.02 min
 Lab File: BM022451.D
 Acq: 30 Aug 2019 21:20

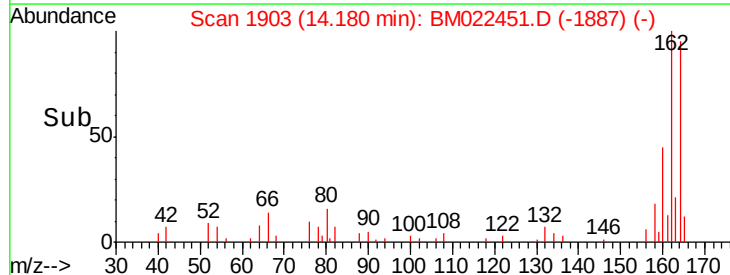
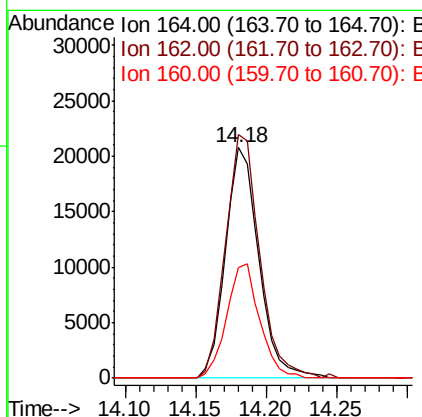
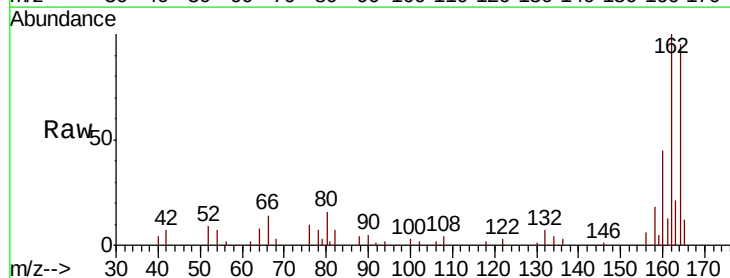
Instrument :
 BNA_M
 ClientSampleId :

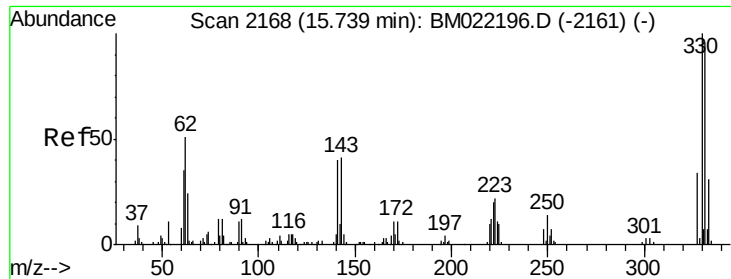
Tot Ion	82	Resp	2306
Ion Ratio	Lower	Upper	
82	100		
128	0.0	27.9	41.9#
54	35.9	45.2	67.8#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.18 min Scan# 1903
 Delta R.T. -0.01 min
 Lab File: BM022451.D
 Acq: 30 Aug 2019 21:20

Tgt Ion	164	Resp	34214
Ion Ratio	Lower	Upper	
164	100		
162	105.5	80.6	121.0
160	47.6	37.3	55.9

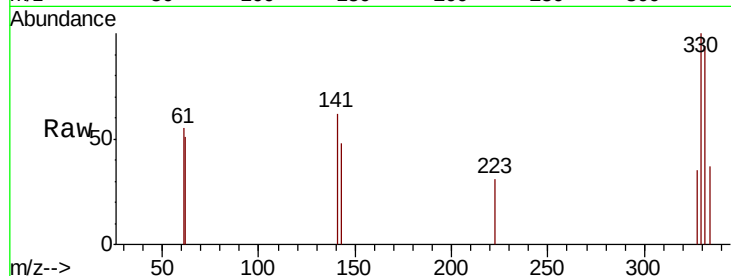




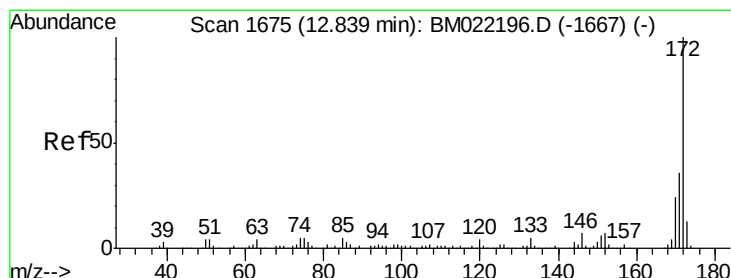
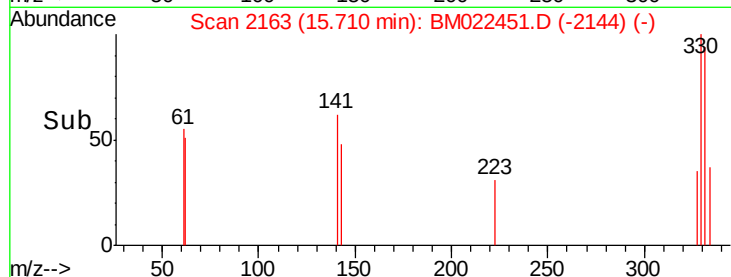
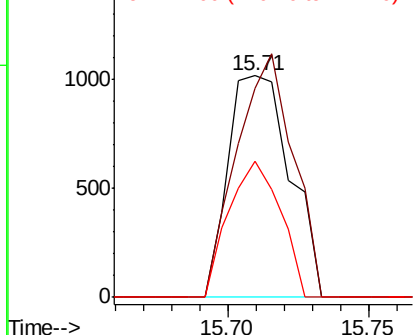
#42
 2,4,6-Tribromophenol
 Concen: 2.227 ng
 RT: 15.71 min Scan# 2163
 Delta R.T. 0.01 min
 Lab File: BM022451.D
 Acq: 30 Aug 2019 21:20

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:330 Resp: 1559
 Ion Ratio Lower Upper
 330 100
 332 99.4 77.8 116.8
 141 51.1 35.6 53.4

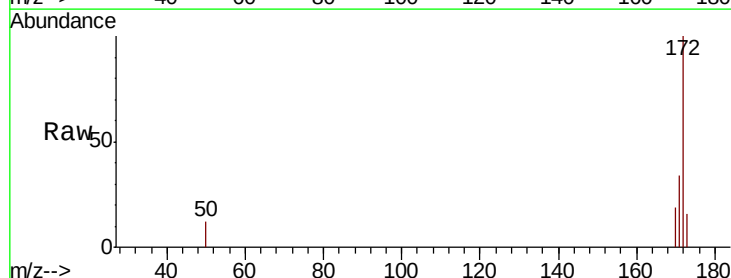


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

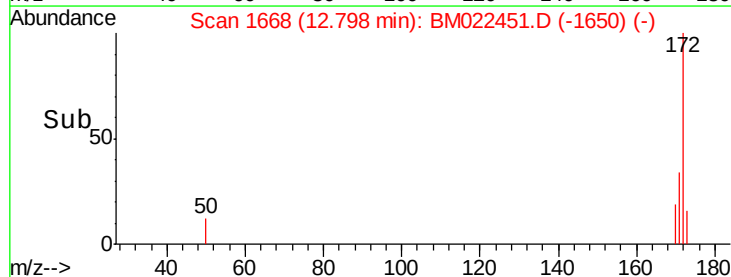
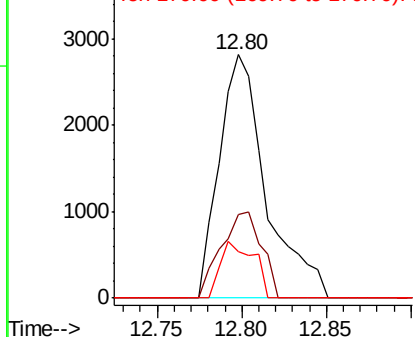


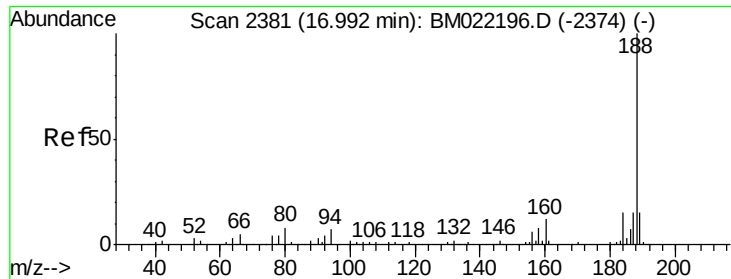
#45
 2-Fluorobiphenyl
 Concen: 1.800 ng
 RT: 12.80 min Scan# 1668
 Delta R.T. 0.01 min
 Lab File: BM022451.D
 Acq: 30 Aug 2019 21:20

Tgt Ion:172 Resp: 5437
 Ion Ratio Lower Upper
 172 100
 171 34.1 28.5 42.7
 170 19.0 18.9 28.3



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

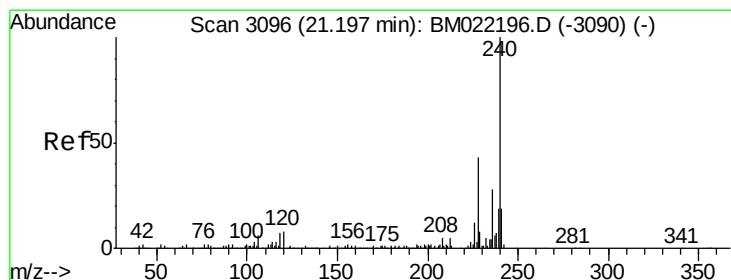
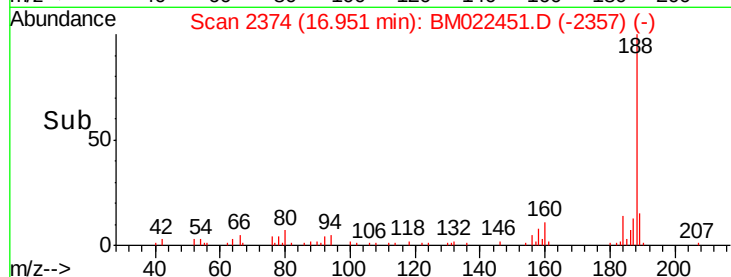
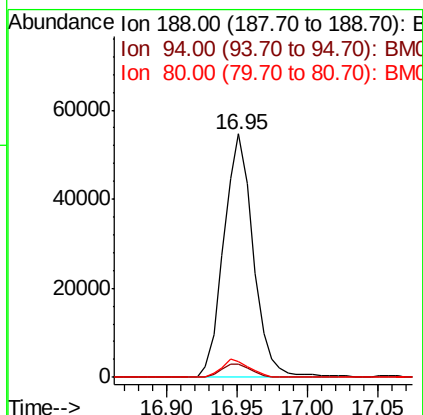
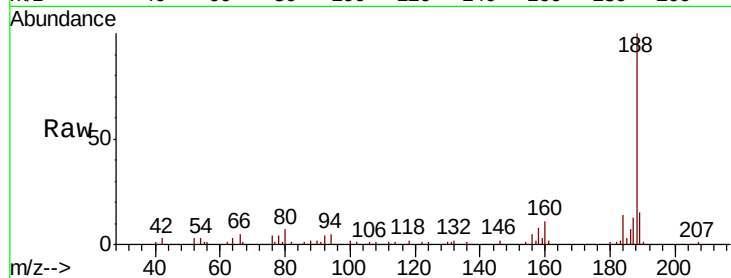




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

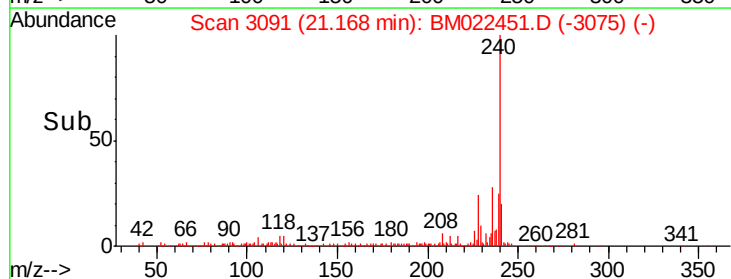
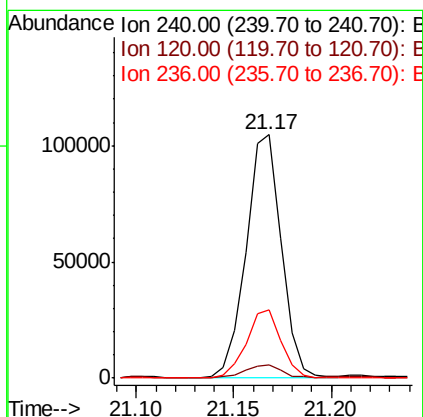
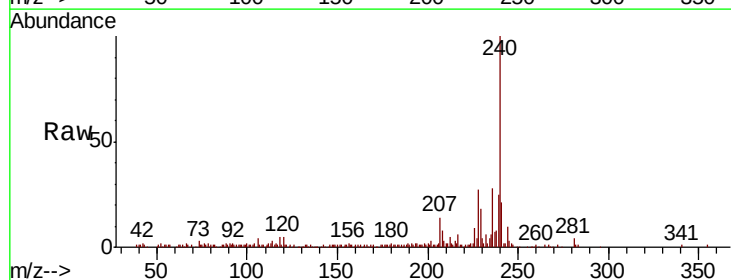
Instrument :
BNA_M
ClientSampleId :

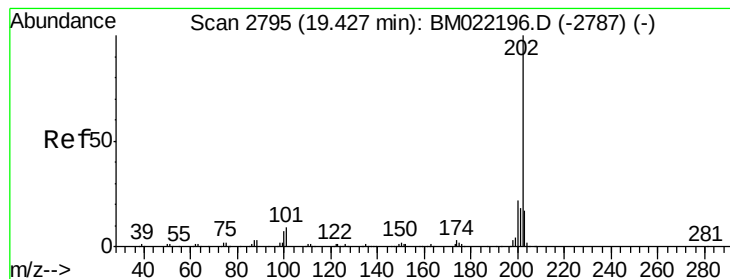
Tot Ion:188 Resp: 79746
Ion Ratio Lower Upper
188 100
94 5.4 4.4 6.6
80 6.7 5.0 7.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BM022451.D
Acq: 30 Aug 2019 21:20

Tgt Ion:240 Resp: 131537
Ion Ratio Lower Upper
240 100
120 5.4 3.9 5.9
236 28.2 21.4 32.2





#78

Pvrene

Concen: 5.084 ng

RT: 19.39 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM022451.D

Acq: 30 Aug 2019 21:20

Instrument :

BNA_M

ClientSampleId :

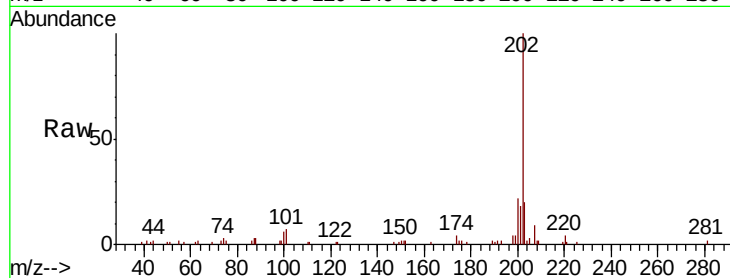
Tot Ion:202 Resp: 45574

Ion Ratio Lower Upper

202 100

200 21.8 17.7 26.5

203 19.6 13.8 20.8

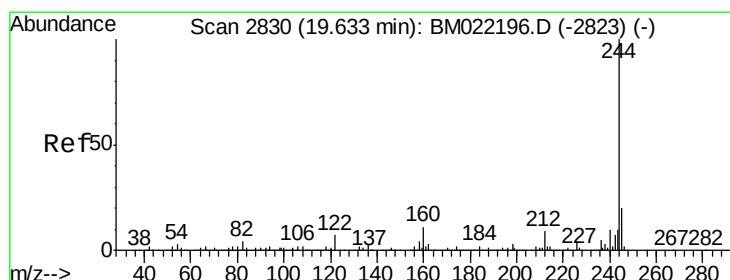
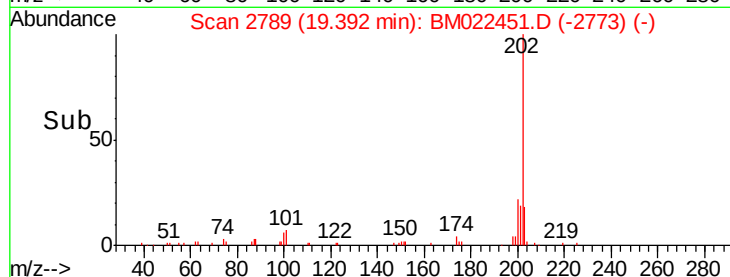
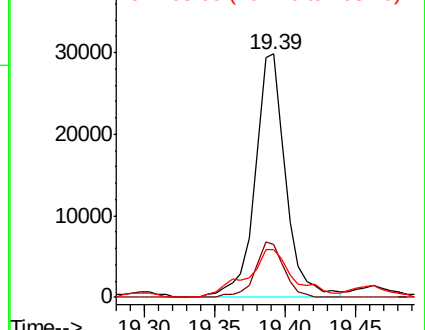


Abundance

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: 1.870 ng

RT: 19.59 min Scan# 2823

Delta R.T. -0.01 min

Lab File: BM022451.D

Acq: 30 Aug 2019 21:20

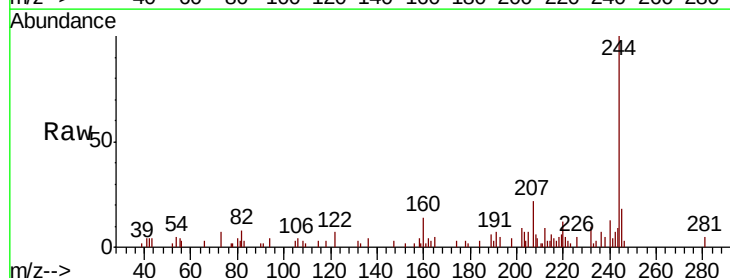
Tgt Ion:244 Resp: 18638

Ion Ratio Lower Upper

244 100

212 9.3 7.0 10.4

122 7.3 3.9 5.9#

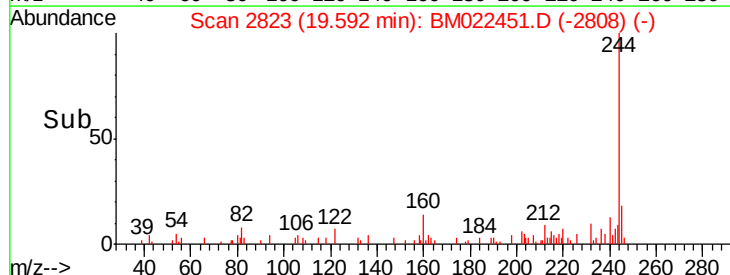
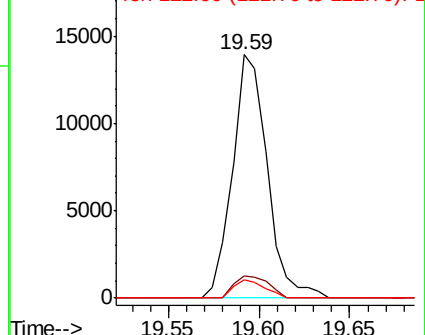


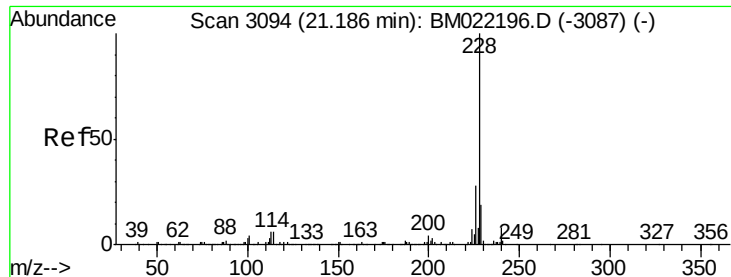
Abundance

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





#81

Benzo(a)anthracene

Concen: 24.619 ng

RT: 21.20 min Scan# 3097

Delta R.T. 0.05 min

Lab File: BM022451.D

Acq: 30 Aug 2019 21:20

Instrument :

BNA_M

ClientSampled :

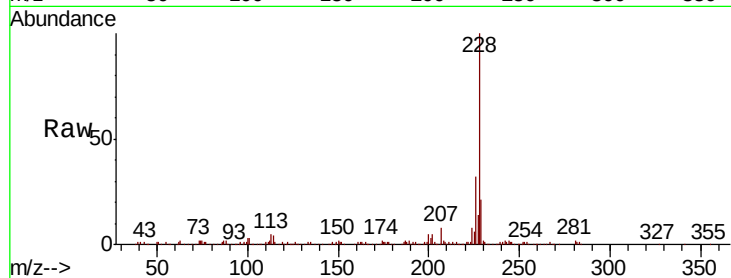
Tot Ion:228 Resp: 232433

Ion Ratio Lower Upper

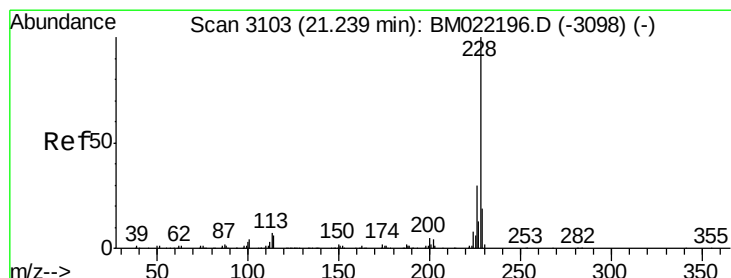
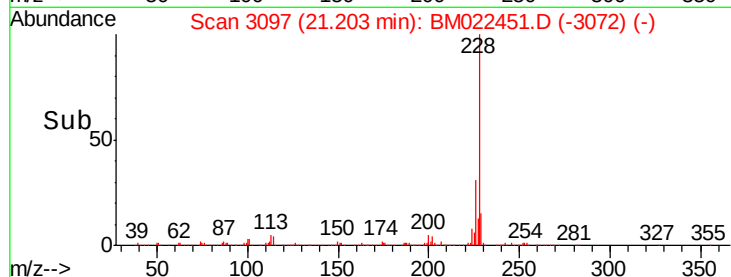
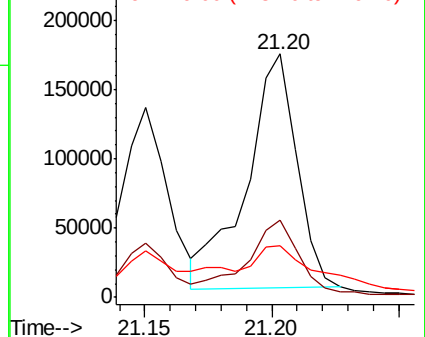
228 100

226 31.8 22.6 34.0

229 21.4 15.9 23.9



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



#83

Chrysene

Concen: 27.882 ng

RT: 21.20 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM022451.D

Acq: 30 Aug 2019 21:20

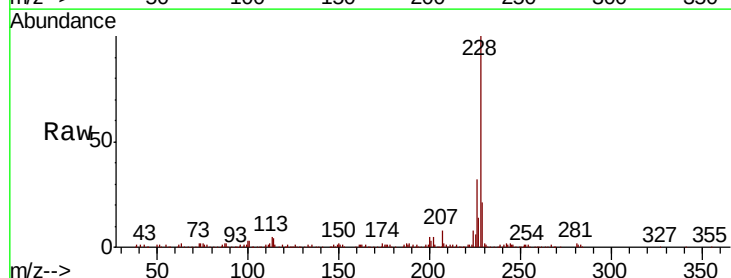
Tgt Ion:228 Resp: 250559

Ion Ratio Lower Upper

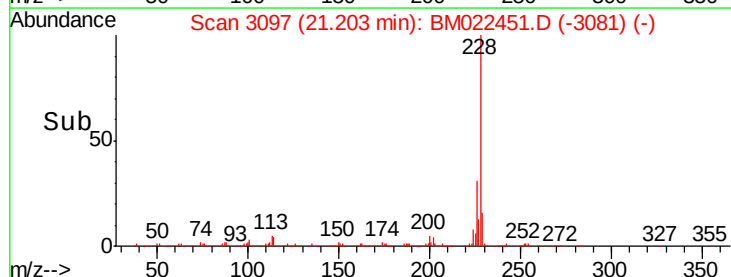
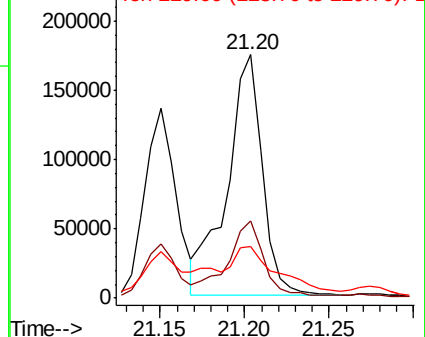
228 100

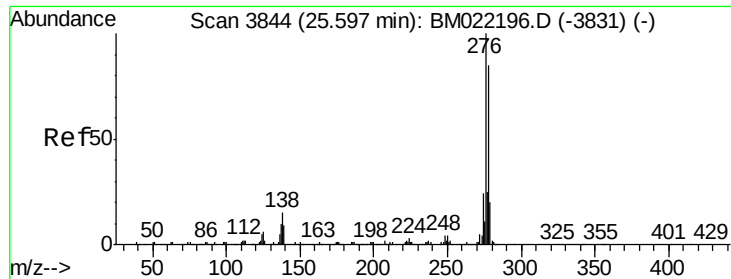
226 31.8 24.5 36.7

229 21.4 15.7 23.5



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

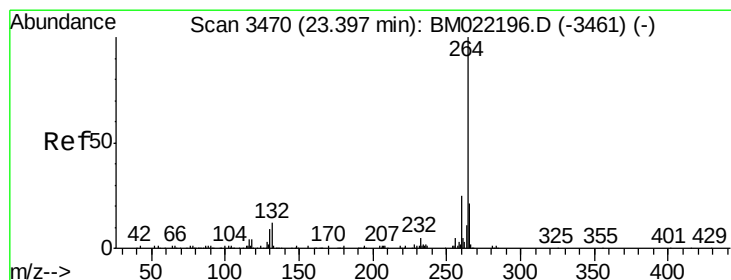
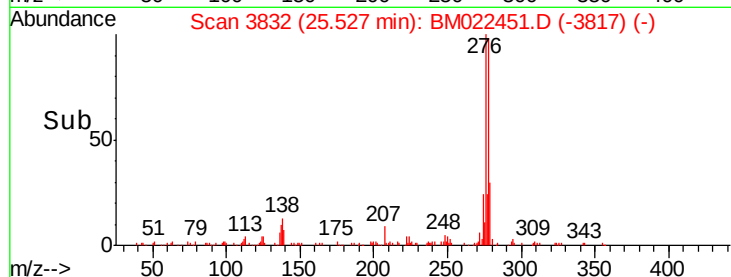
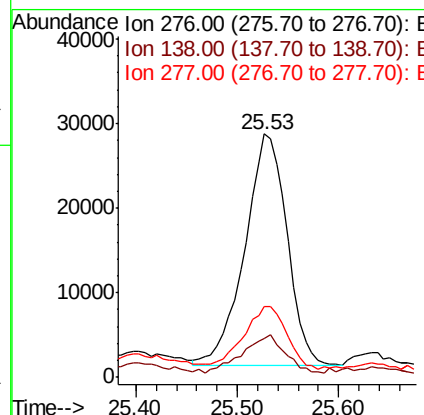
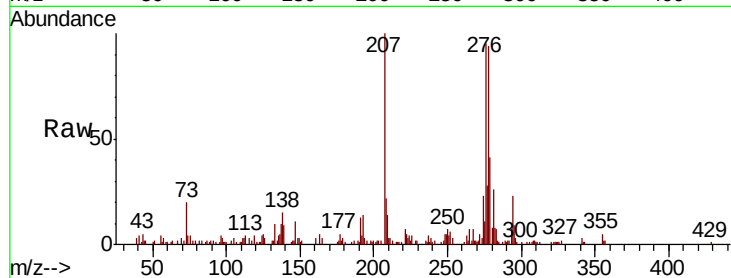




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.793 ng
 RT: 25.53 min Scan# 3832
 Delta R.T. -0.01 min
 Lab File: BM022451.D
 Acq: 30 Aug 2019 21:20

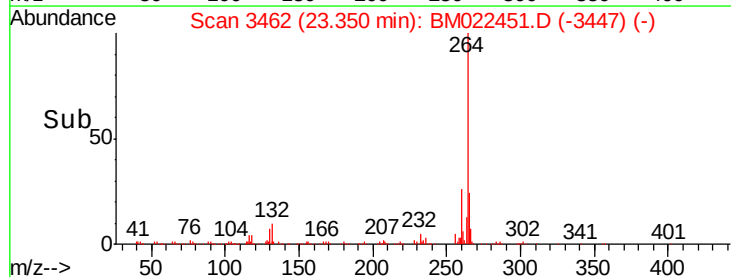
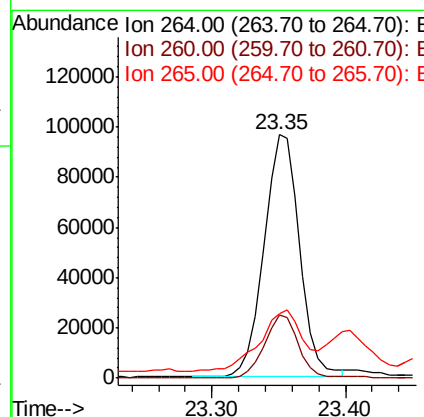
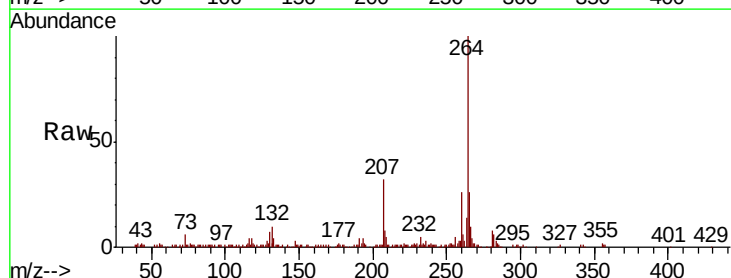
Instrument :
 BNA_M
 ClientSampleId :

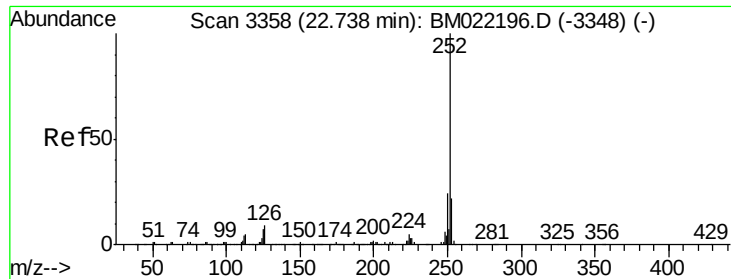
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.1	9.1	13.7#
277	27.6	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.35 min Scan# 3462
 Delta R.T. -0.01 min
 Lab File: BM022451.D
 Acq: 30 Aug 2019 21:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.2	30.2
265	26.5	18.2	27.2





#88

Benzo(b)fluoranthene

Concen: 13.001 ng

RT: 22.70 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BM022451.D

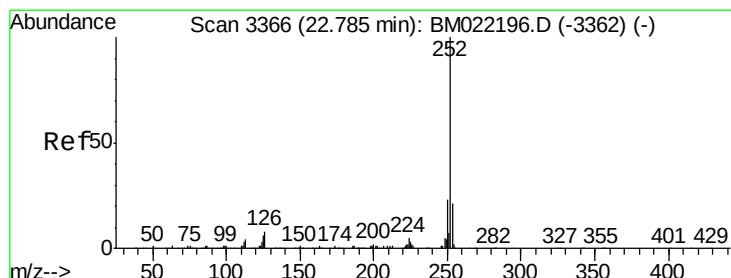
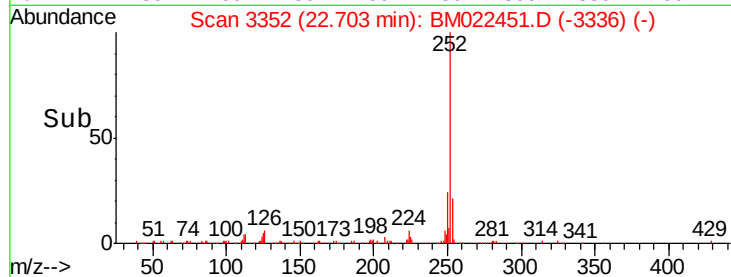
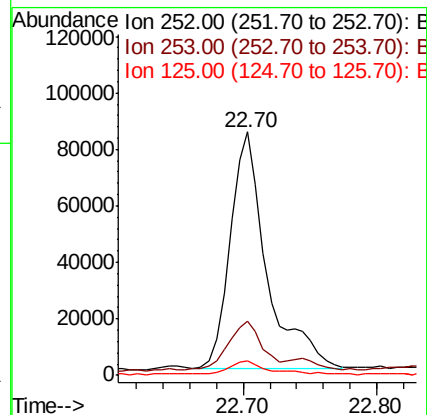
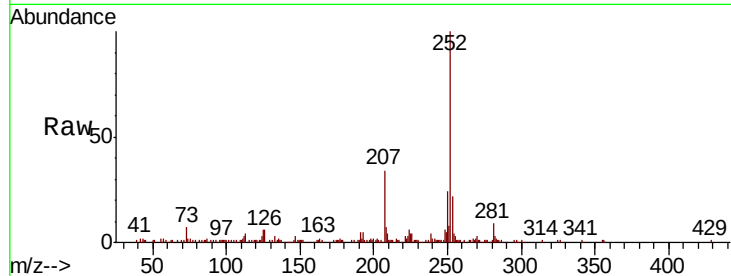
Acq: 30 Aug 2019 21:20

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	160756
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.9 26.9
125	5.8	3.5 5.3#



#89

Benzo(k)fluoranthene

Concen: 13.137 ng

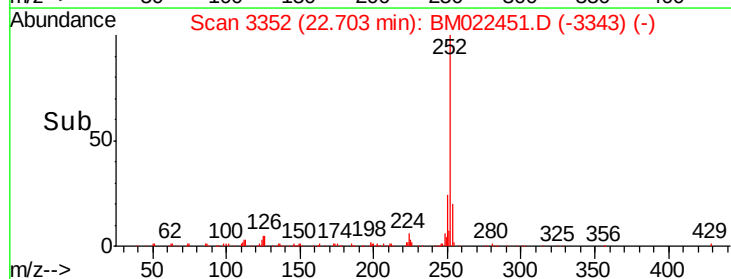
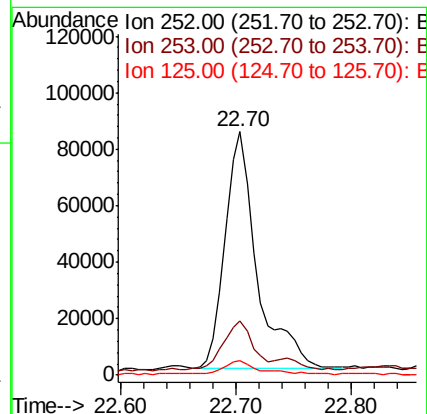
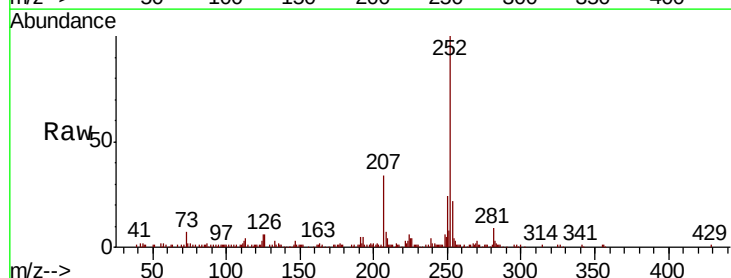
RT: 22.70 min Scan# 3352

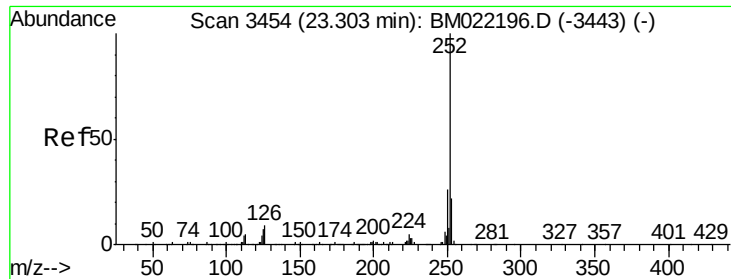
Delta R.T. -0.05 min

Lab File: BM022451.D

Acq: 30 Aug 2019 21:20

Tgt Ion:252	Resp:	161135
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.0 25.4
125	5.8	3.7 5.5#





#90

Benzo(a)pyrene

Concen: 15.636 ng

RT: 23.26 min Scan# 3447

Delta R.T. -0.01 min

Lab File: BM022451.D

Acq: 30 Aug 2019 21:20

Instrument :

BNA_M

ClientSampleId :

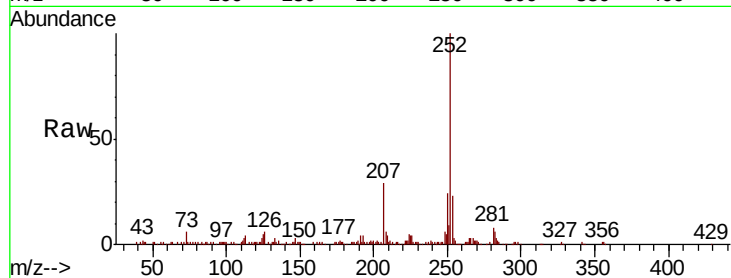
Tot Ion:252 Resp: 171603

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

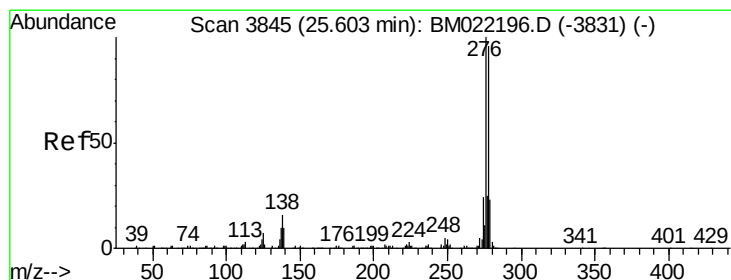
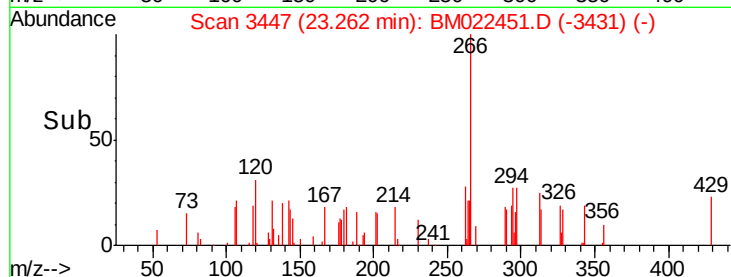
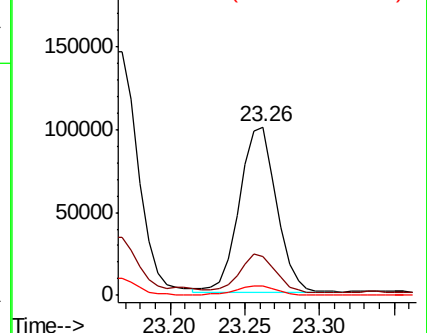
125 5.4 3.8 5.8



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



#91

Dibenzo(a,h)anthracene

Concen: 8.719 ng

RT: 25.53 min Scan# 3832

Delta R.T. -0.02 min

Lab File: BM022451.D

Acq: 30 Aug 2019 21:20

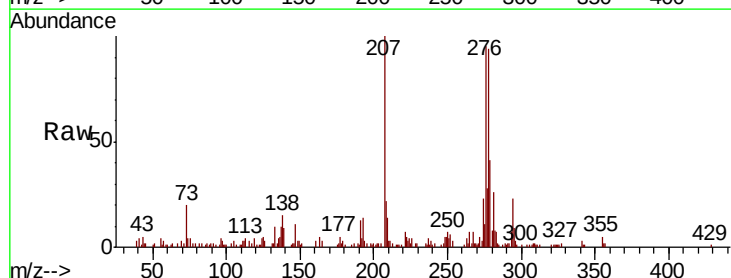
Tgt Ion:278 Resp: 95416

Ion Ratio Lower Upper

278 100

139 10.0 6.6 9.8#

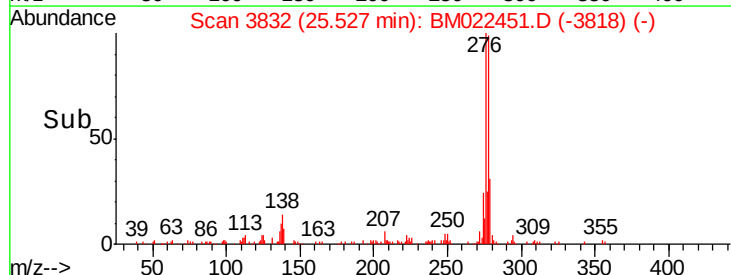
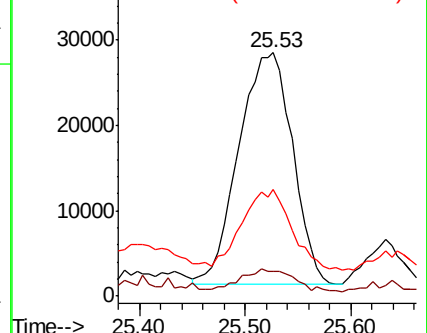
279 43.9 19.3 28.9#

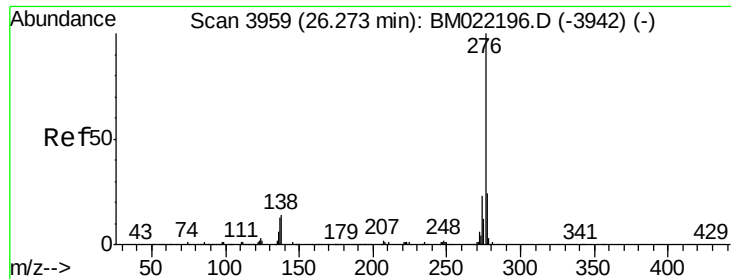


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 16.447 ng
 RT: 26.20 min Scan# 3947
 Delta R.T. -0.01 min
 Lab File: BM022451.D
 Acq: 30 Aug 2019 21:20

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:	276	Resp:	156865
Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	12.1	8.8	13.2

