

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022456.D
 Acq On : 31 Aug 2019 00:23
 Operator : HP/JU
 Sample : K4095-13 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 31 05:32:48 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

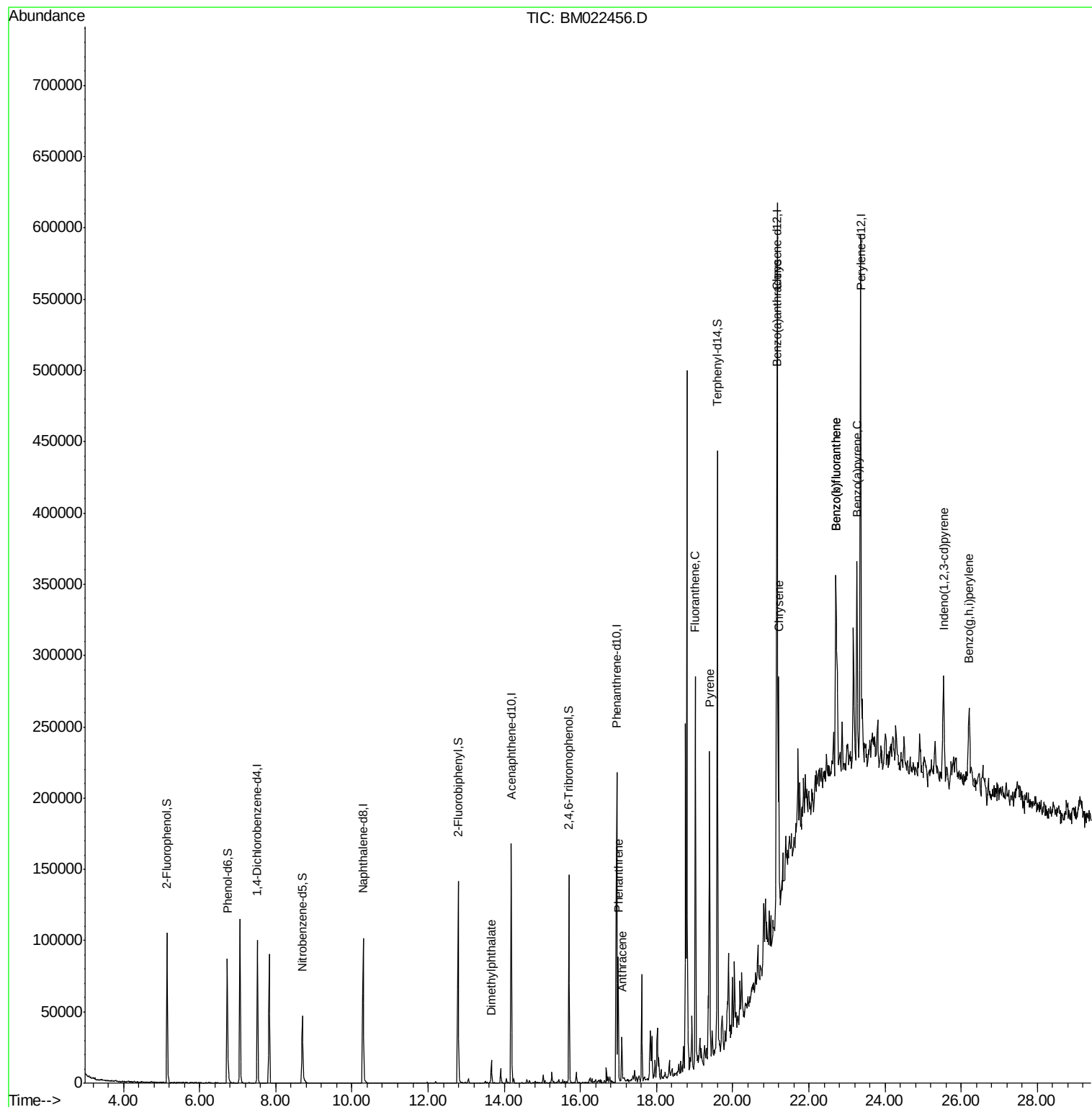
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	22515	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	80483	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	51106	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	118330	20.00	ng	0.00
76) Chrysene-d12	21.17	240	182325	20.00	ng	0.00
87) Perylene-d12	23.36	264	225885	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	37719	29.41	ng	0.00
7) Phenol-d6	6.72	99	46097	26.87	ng	0.00
23) Nitrobenzene-d5	8.70	82	31531	17.16	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	23271	22.25	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	70206	15.56	ng	0.00
79) Terphenyl-d14	19.59	244	165862	12.01	ng	-0.01
Target Compounds						
50) Dimethylphthalate	13.66	163	10820	2.434	ng	Qvalue # 94
71) Phenanthrene	16.99	178	48353	7.010	ng	99
72) Anthracene	17.09	178	21269	3.134	ng	98
75) Fluoranthene	19.02	202	125925	13.709	ng	97
78) Pyrene	19.39	202	129039	10.385	ng	98
81) Benzo(a)anthracene	21.15	228	95265	7.280	ng	98
83) Chrysene	21.20	228	80694	6.478	ng	98
86) Indeno(1,2,3-cd)pyrene	25.53	276	55733	4.448	ng	97
88) Benzo(b)fluoranthene	22.70	252	111048	7.077	ng	# 99
89) Benzo(k)fluoranthene	22.70	252	111048	7.133	ng	# 98
90) Benzo(a)pyrene	23.26	252	86524	6.212	ng	# 95
92) Benzo(a,h,i)perylene	26.21	276	54339	4.489	ng	97

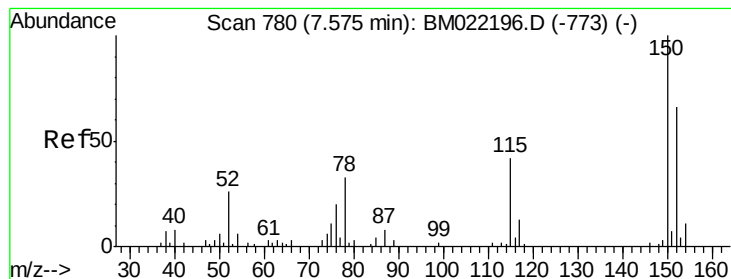
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 29 16:51:32 2019
Response via : Initial Calibration



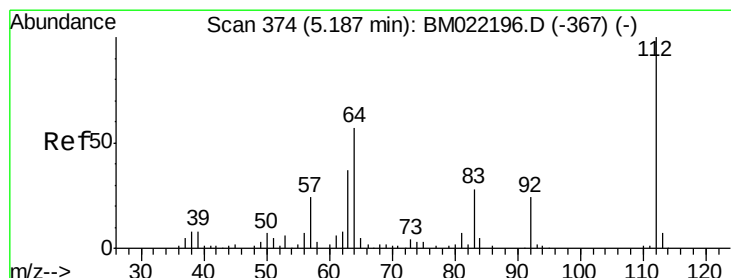
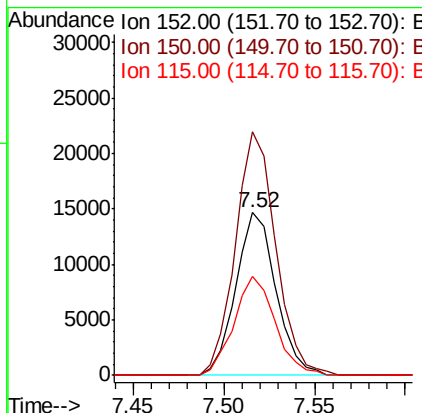
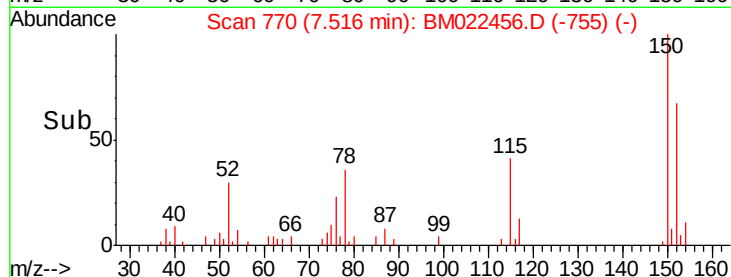
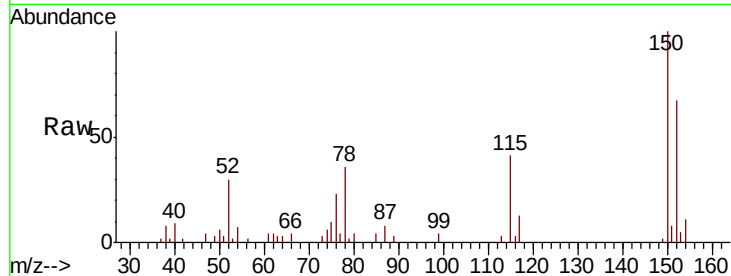


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.52 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BM022456.D
 Acq: 31 Aug 2019 00:23

Instrument :
 BNA_M
 ClientSampled :

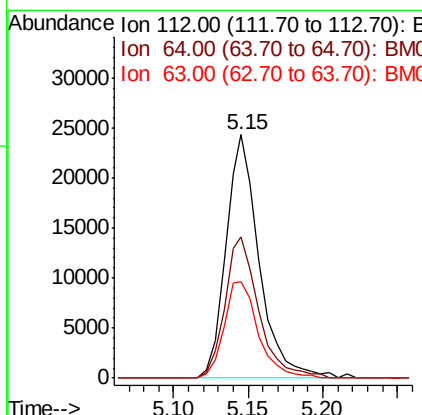
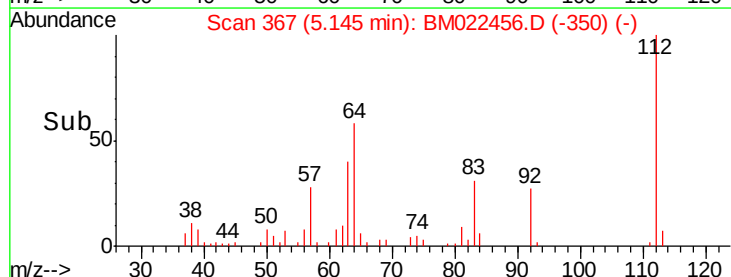
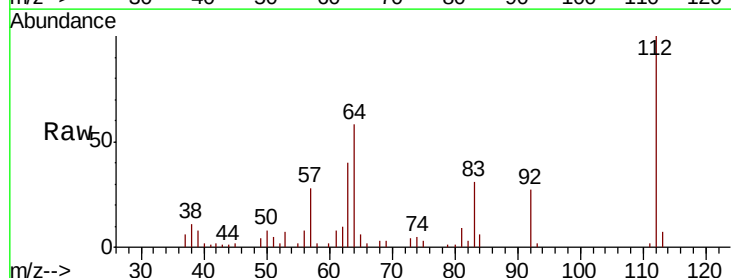
Tot Ion:152 Resp: 22515
 Ion Ratio Lower Upper
 152 100
 150 149.7 125.4 188.0
 115 60.8 50.3 75.5

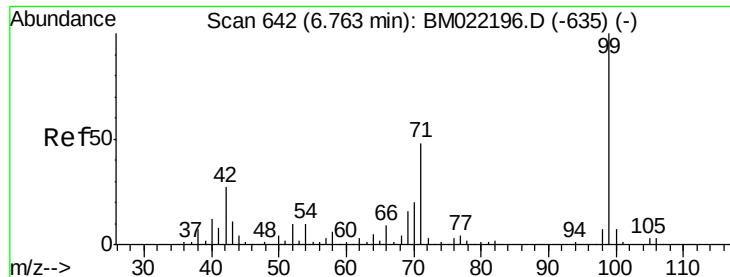


#5

2-Fluorophenol
 Concen: 29.407 ng
 RT: 5.15 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: BM022456.D
 Acq: 31 Aug 2019 00:23

Tgt Ion:112 Resp: 37719
 Ion Ratio Lower Upper
 112 100
 64 57.7 45.4 68.2
 63 39.7 34.5 51.7





#7

Phenol-d6

Concen: 26.875 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Instrument :

BNA_M

ClientSampleId :

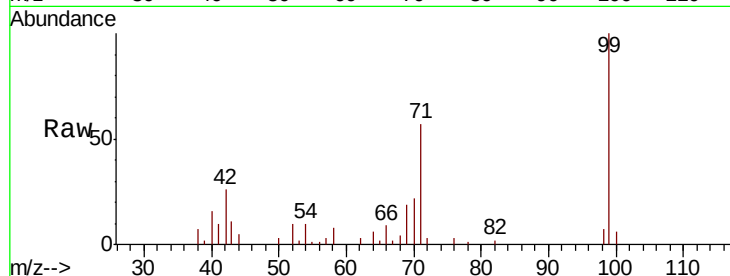
Tot Ion: 99 Resp: 46097

Ion Ratio Lower Upper

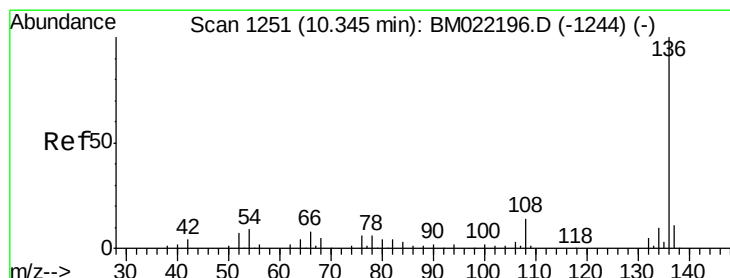
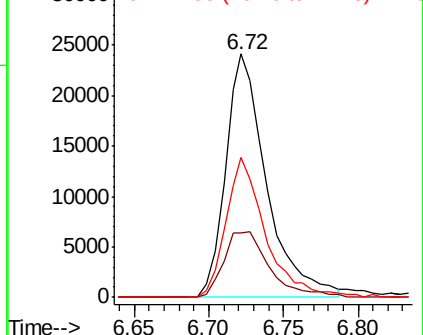
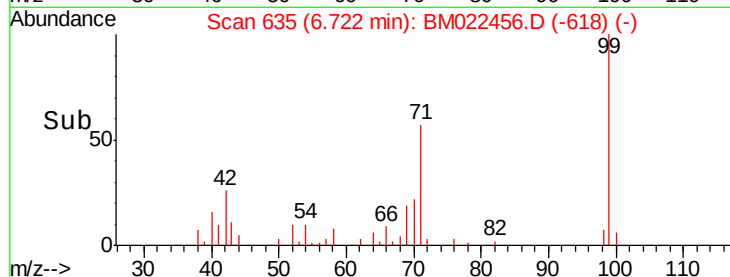
99 100

42 26.5 26.3 39.5

71 57.4 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022456.D (-618) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.29 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Tgt Ion: 136 Resp: 80483

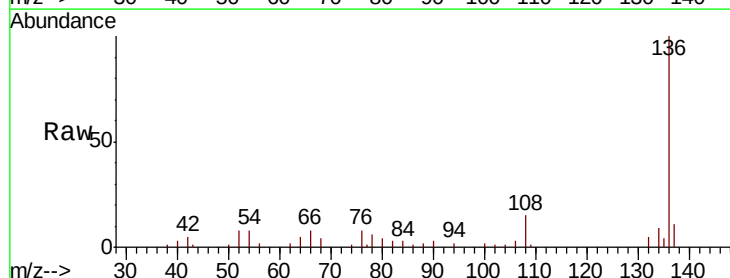
Ion Ratio Lower Upper

136 100

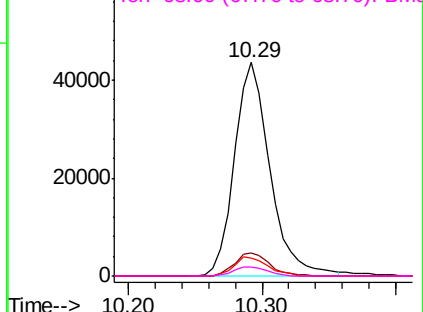
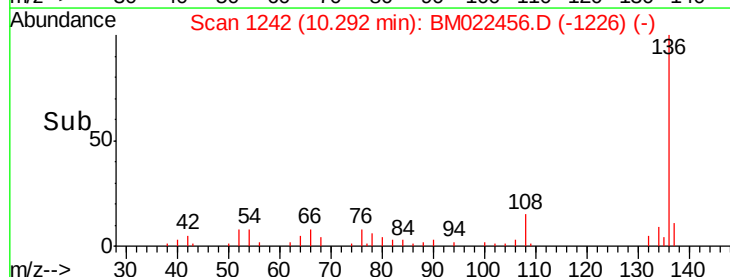
137 10.9 8.6 13.0

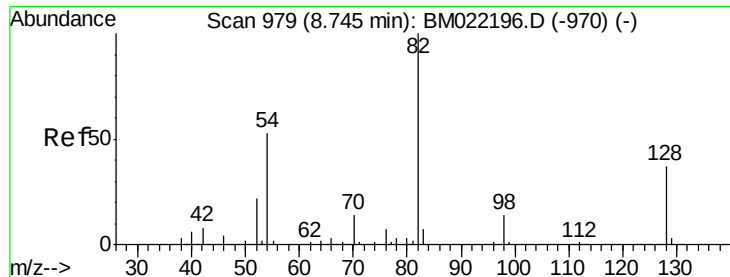
54 8.1 7.0 10.6

68 4.5 2.9 4.3#



Abundance Ion 136.00 (135.70 to 136.70): BM022456.D (-1226) (-)

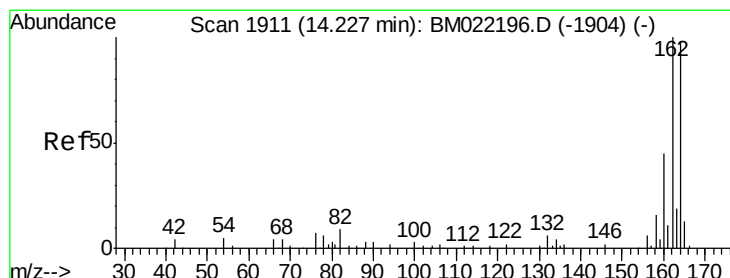
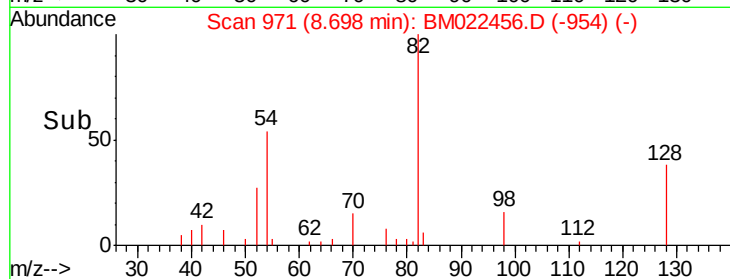
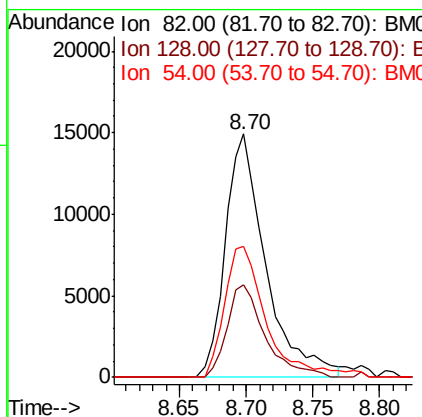
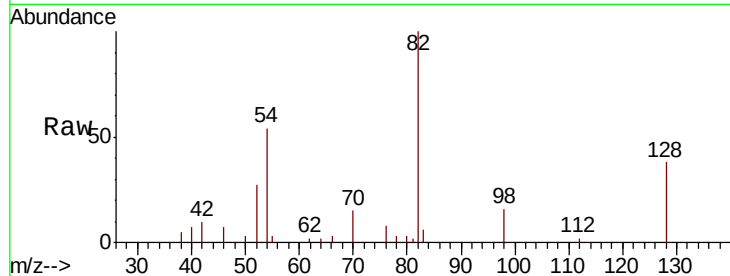




#23
 Nitrobenzene-d5
 Concen: 17.160 ng
 RT: 8.70 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BM022456.D
 Acq: 31 Aug 2019 00:23

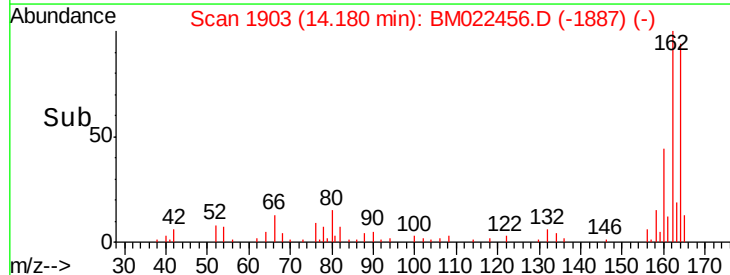
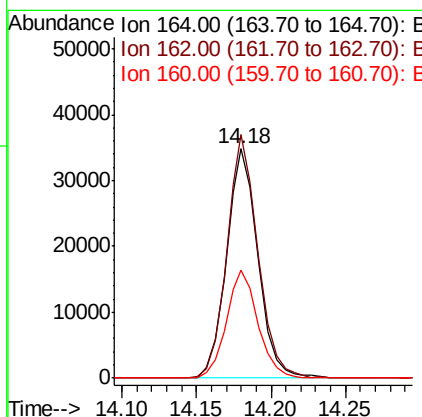
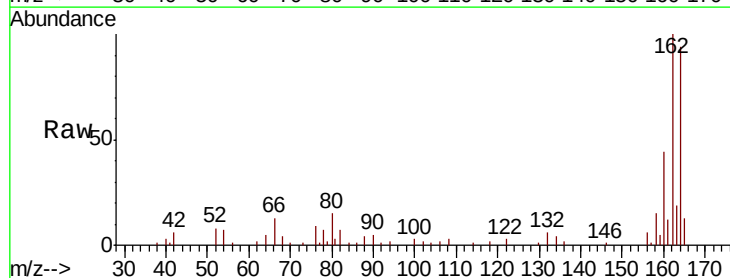
Instrument :
 BNA_M
 ClientSampled :

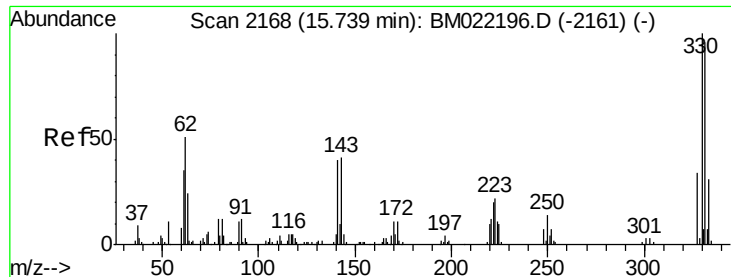
Tot Ion	82	Resp	31531
Ion Ratio	100	Lower	Upper
128	37.9	27.9	41.9
54	53.6	45.2	67.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.18 min Scan# 1903
 Delta R.T. -0.01 min
 Lab File: BM022456.D
 Acq: 31 Aug 2019 00:23

Tgt Ion	164	Resp	51106
Ion Ratio	100	Lower	Upper
162	106.1	80.6	121.0
160	46.9	37.3	55.9

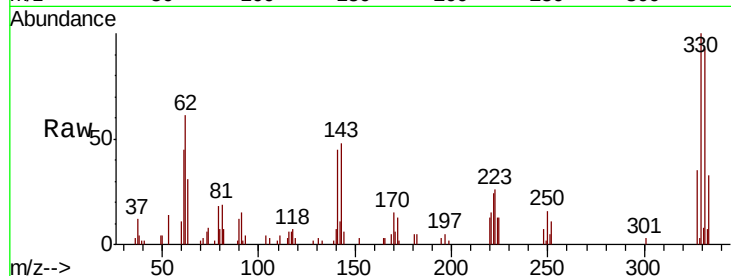




#42
 2,4,6-Tribromophenol
 Concen: 22.253 ng
 RT: 15.70 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BM022456.D
 Acq: 31 Aug 2019 00:23

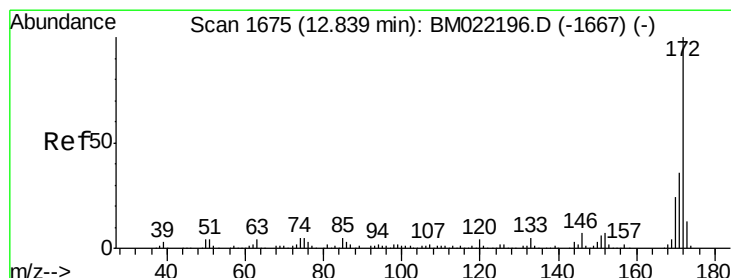
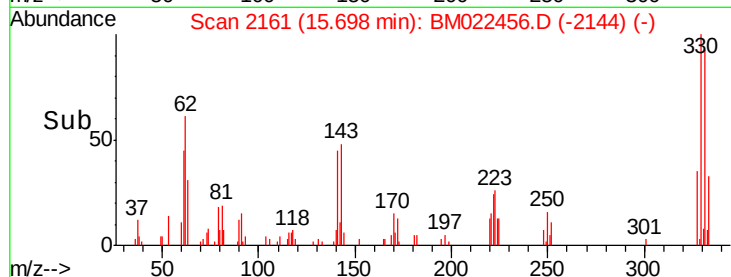
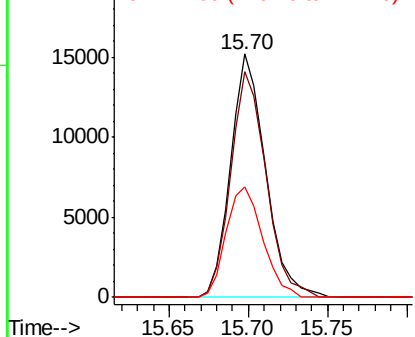
Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.4	77.8	116.8
141	47.2	35.6	53.4



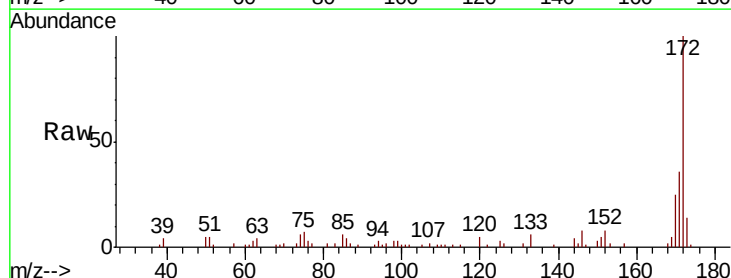
Abundance

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



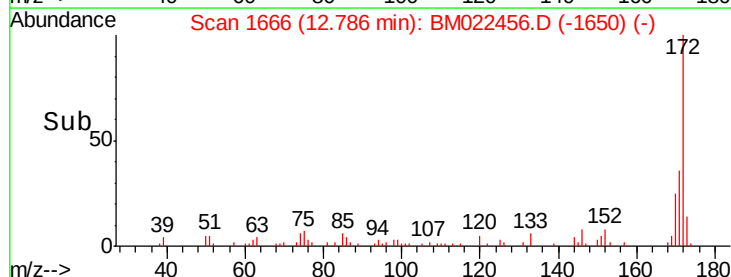
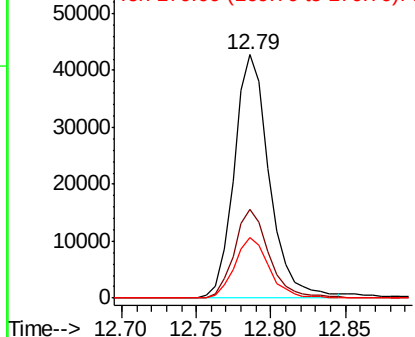
#45
 2-Fluorobiphenyl
 Concen: 15.562 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM022456.D
 Acq: 31 Aug 2019 00:23

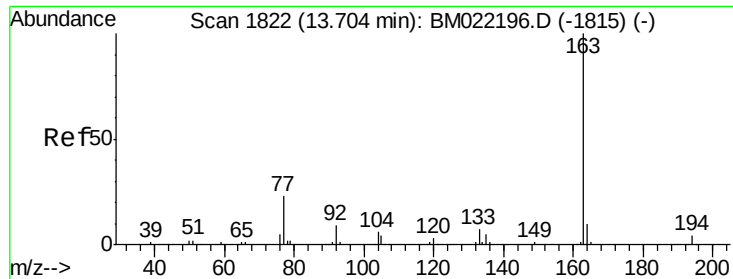
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.5	42.7
170	25.1	18.9	28.3



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





#50

Dimethylphthalate

Concen: 2.434 ng

RT: 13.66 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BM022456.D

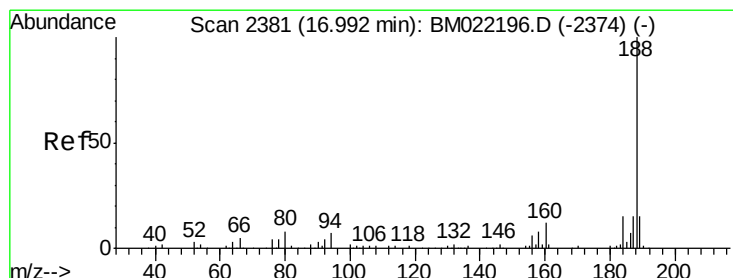
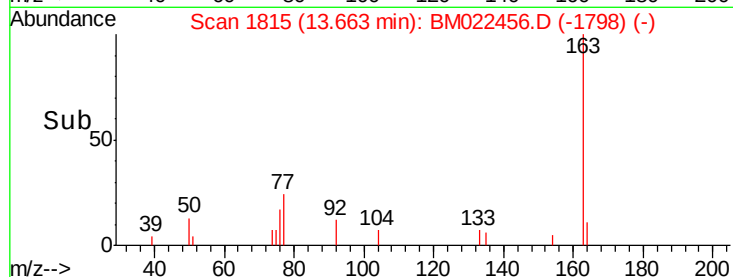
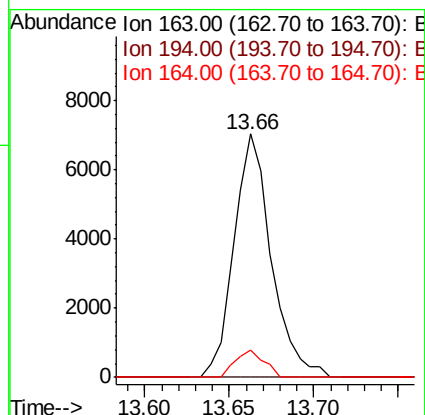
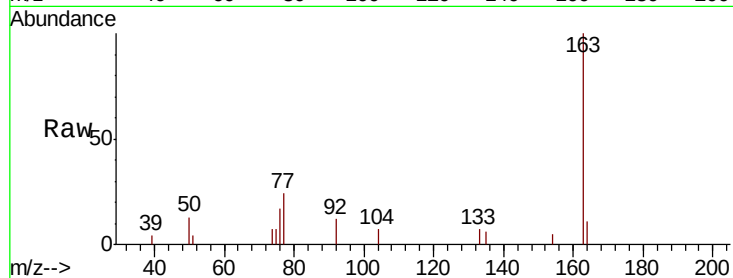
Acq: 31 Aug 2019 00:23

Instrument :

BNA_M

ClientSampleId :

Tot Ion:163	Resp:	10820
Ion Ratio	Lower	Upper
163	100	
194	0.0	3.4 5.2#
164	11.3	8.2 12.2



#64

Phenanthrene-d10

Concen: 20.000 ng

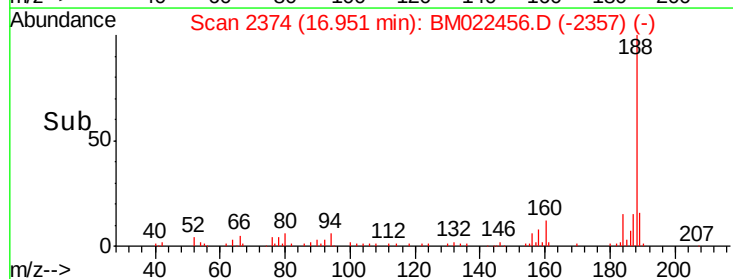
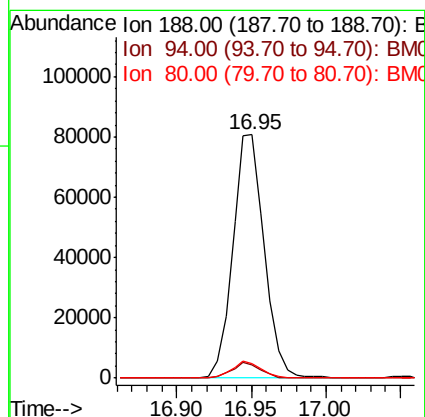
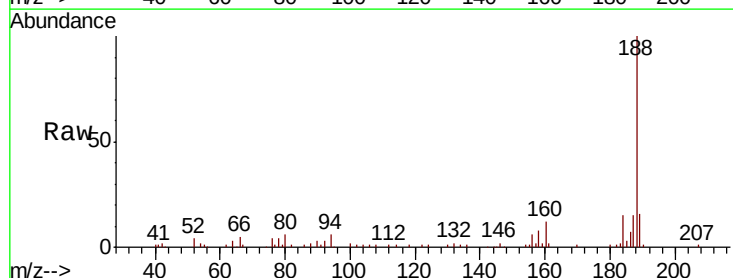
RT: 16.95 min Scan# 2374

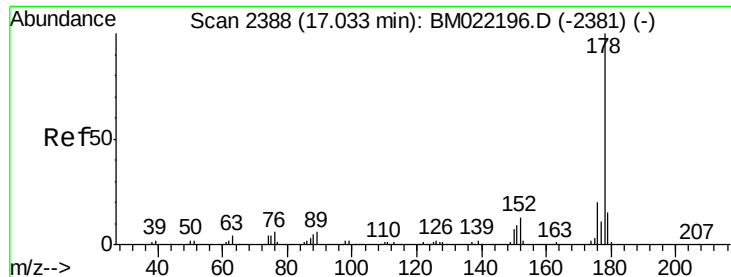
Delta R.T. -0.00 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Tgt Ion:188	Resp:	118330
Ion Ratio	Lower	Upper
188	100	
94	5.6	4.4 6.6
80	6.0	5.0 7.6

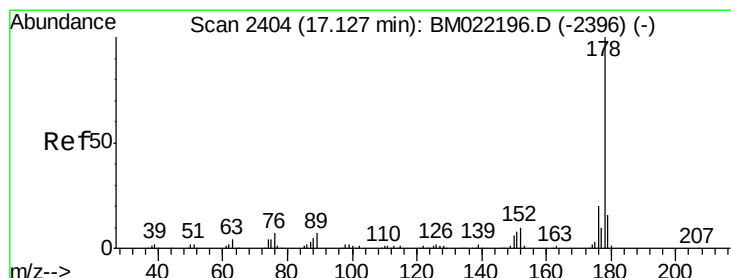
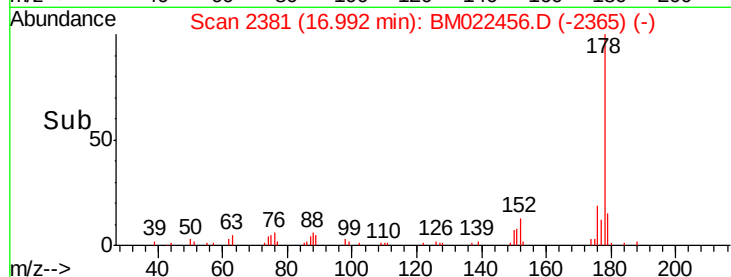
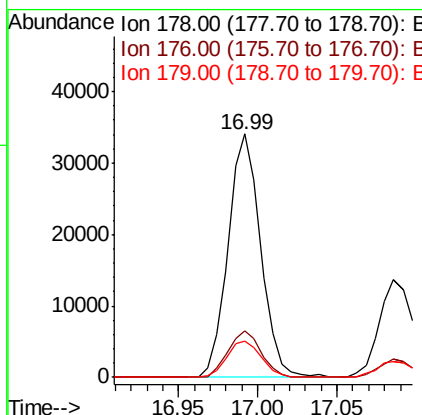
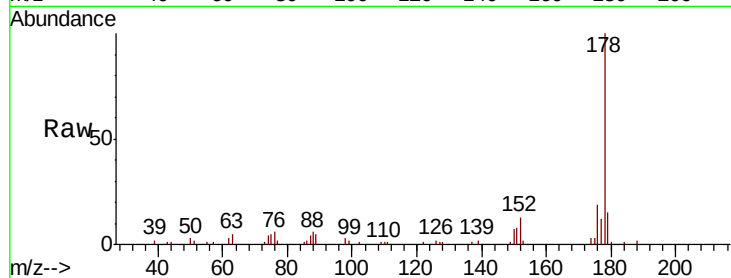




#71
Phenanthrene
Concen: 7.010 ng
RT: 16.99 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

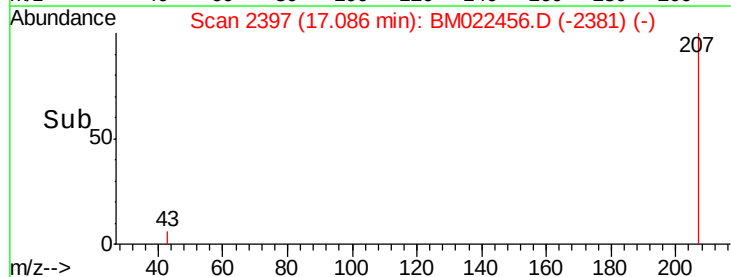
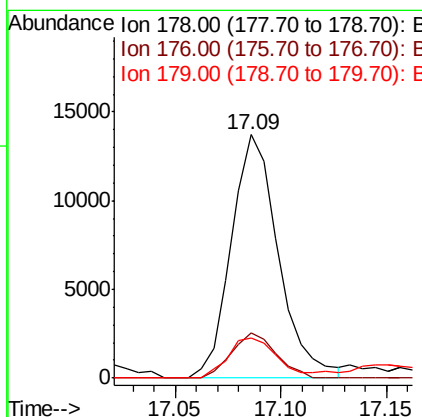
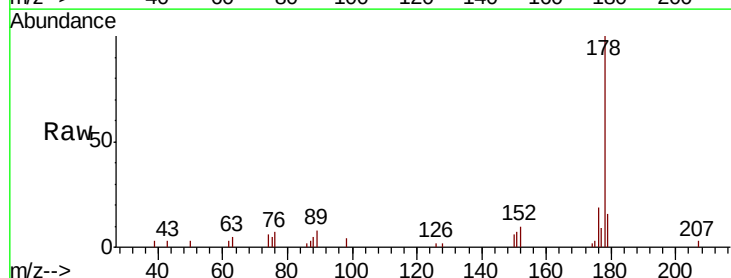
Instrument :
BNA_M
ClientSampleId :

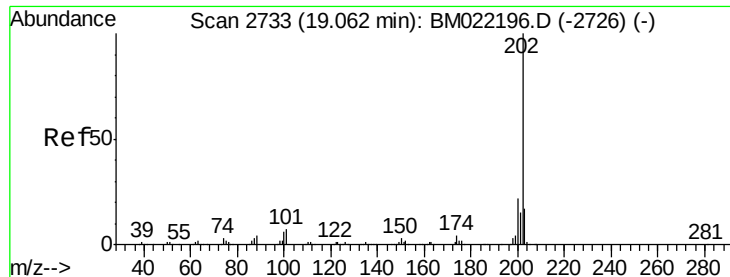
Tot Ion:178 Resp: 48353
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 14.9 12.3 18.5



#72
Anthracene
Concen: 3.134 ng
RT: 17.09 min Scan# 2397
Delta R.T. -0.01 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

Tgt Ion:178 Resp: 21269
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 16.3 11.8 17.6





#75

Fluoranthene

Concen: 13.709 ng

RT: 19.02 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM022456.D

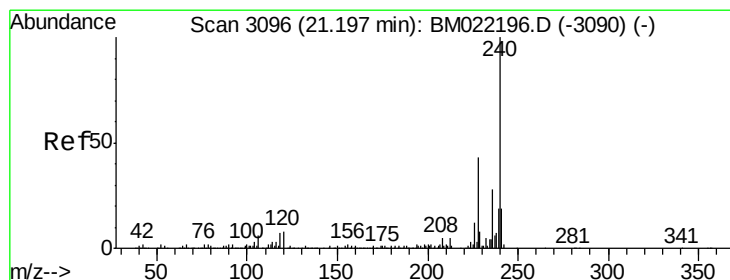
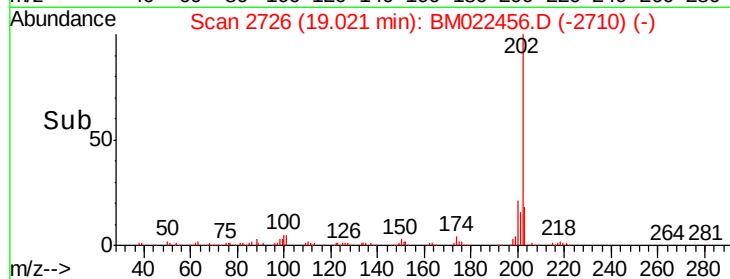
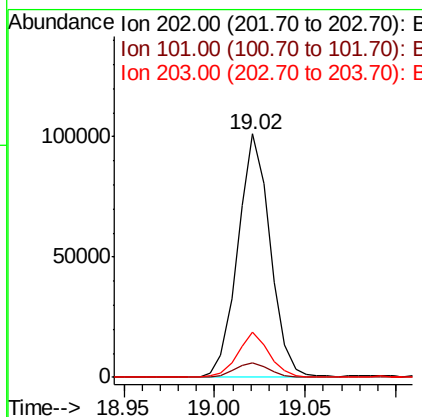
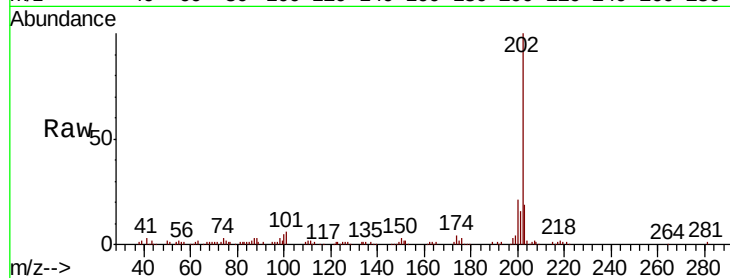
Acq: 31 Aug 2019 00:23

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	202	Resp:	125925
Ion	Ratio	Lower	Upper
202	100		
101	5.9	0.0	25.1
203	18.7	0.0	37.1



#76

Chrysene-d12

Concen: 20.000 ng

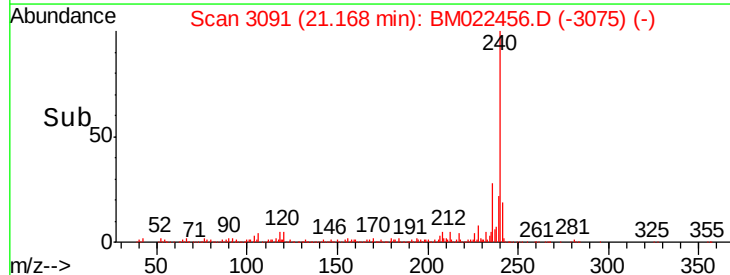
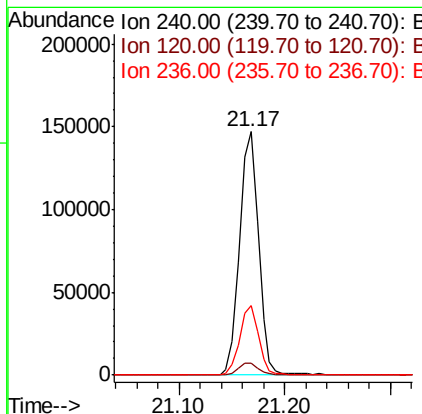
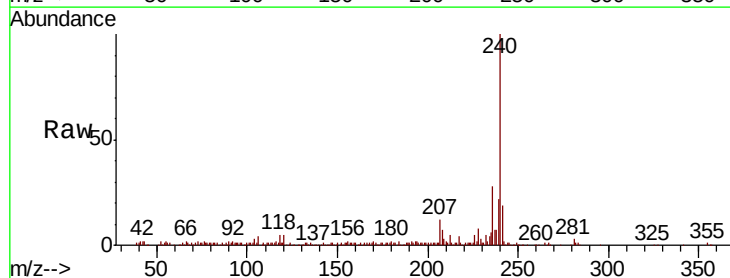
RT: 21.17 min Scan# 3091

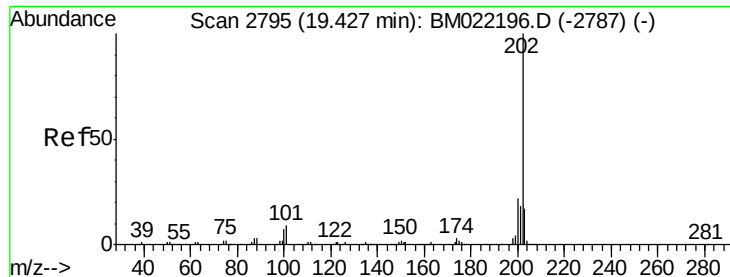
Delta R.T. -0.01 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Tgt Ion:	240	Resp:	182325
Ion	Ratio	Lower	Upper
240	100		
120	4.7	3.9	5.9
236	28.3	21.4	32.2

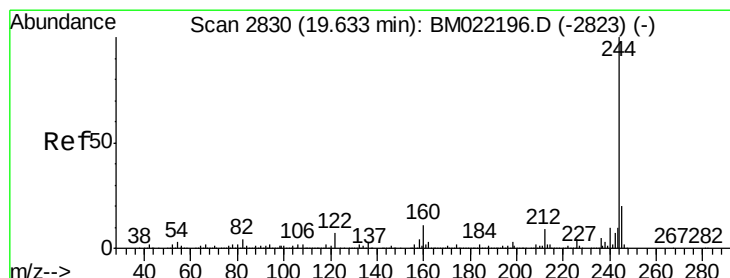
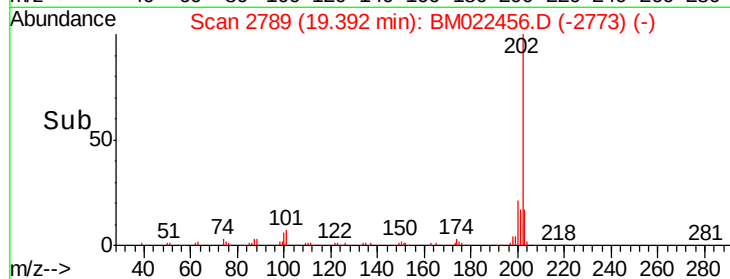
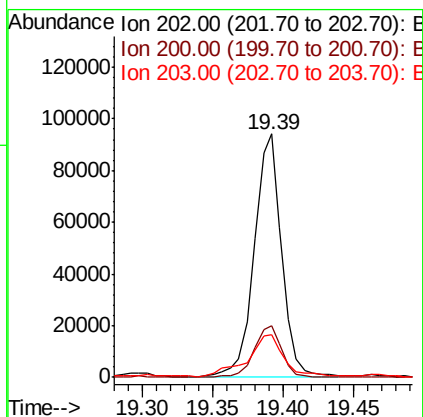
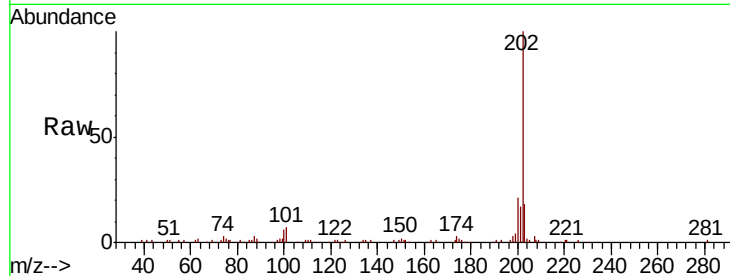




#78
Pvrene
Concen: 10.385 ng
RT: 19.39 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

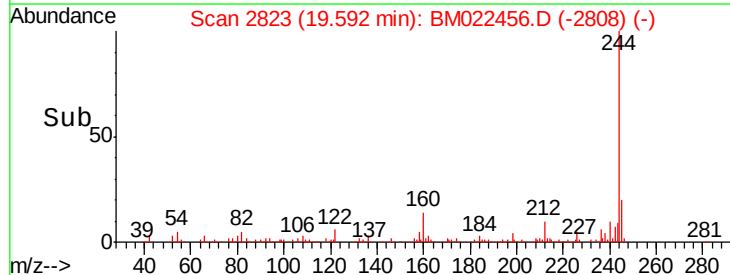
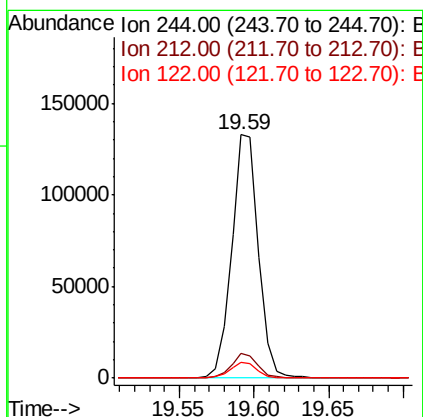
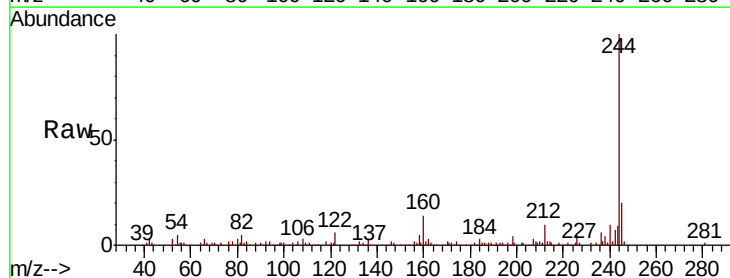
Instrument :
BNA_M
ClientSampleId :

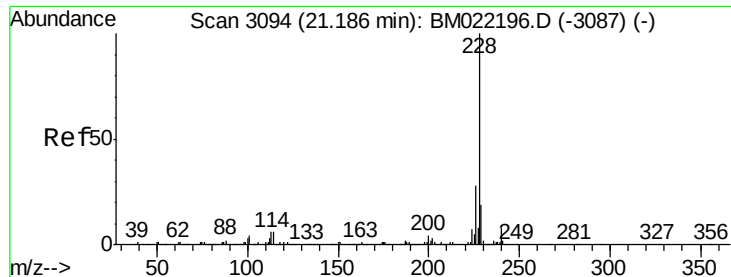
Tot Ion:202 Resp: 129039
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 17.6 13.8 20.8



#79
Terphenyl-d14
Concen: 12.006 ng
RT: 19.59 min Scan# 2823
Delta R.T. -0.01 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

Tgt Ion:244 Resp: 165862
Ion Ratio Lower Upper
244 100
212 10.1 7.0 10.4
122 6.5 3.9 5.9#





#81

Benzo(a)anthracene

Concen: 7.280 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022456.D

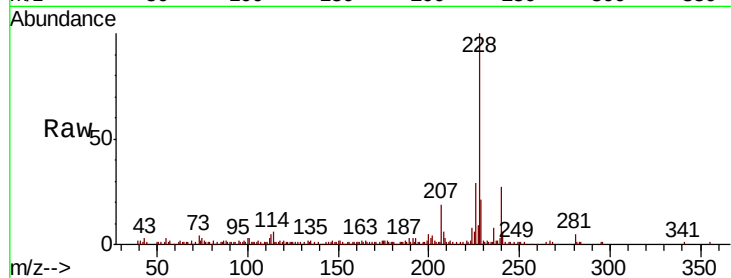
Acq: 31 Aug 2019 00:23

Instrument :

BNA_M

ClientSampleId :

Tot Ion:228	Resp:	95265
Ion	Ratio	Lower Upper
228	100	
226	28.7	22.6 34.0
229	21.4	15.9 23.9

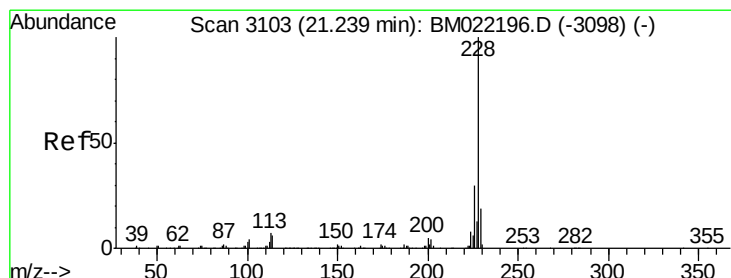
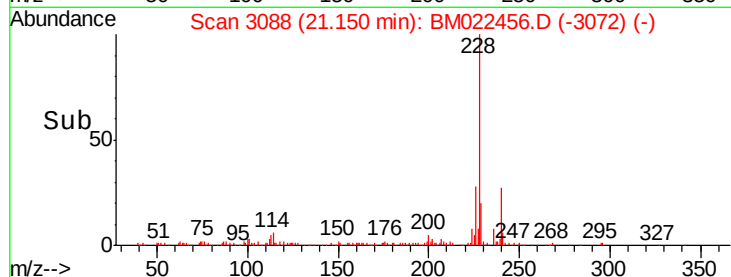
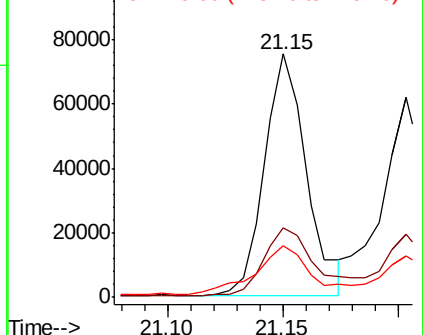


Abundance

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: 6.478 ng

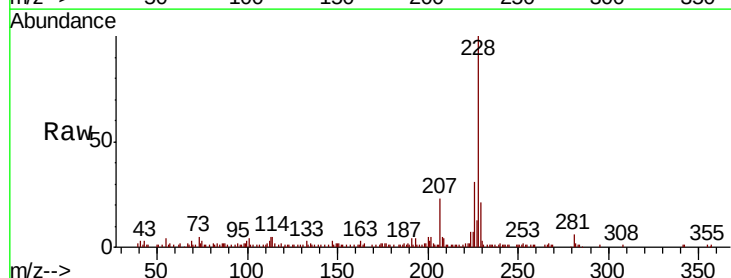
RT: 21.20 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Tgt Ion:228	Resp:	80694
Ion	Ratio	Lower Upper
228	100	
226	31.4	24.5 36.7
229	20.6	15.7 23.5

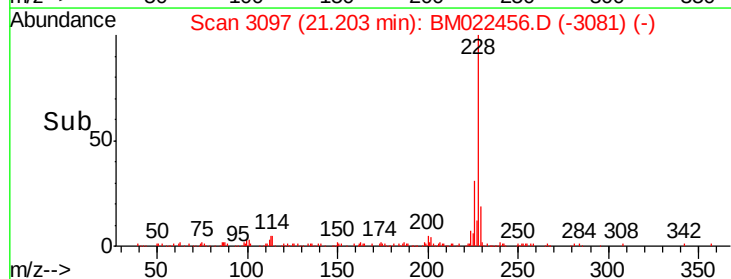
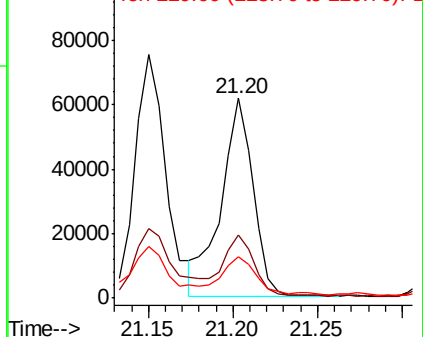


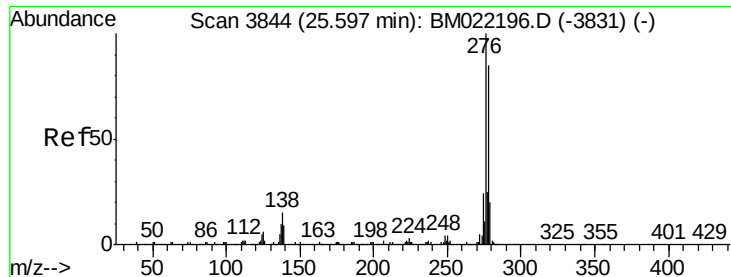
Abundance

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

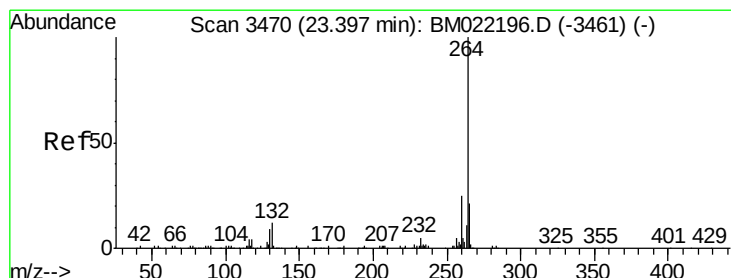
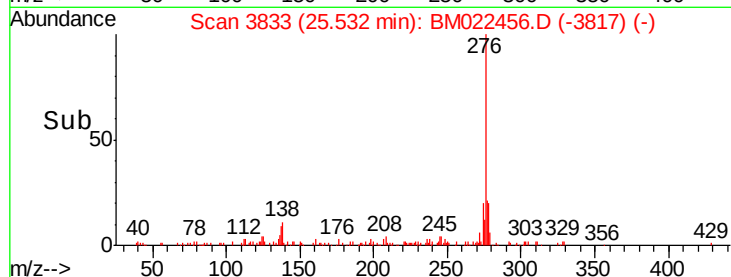
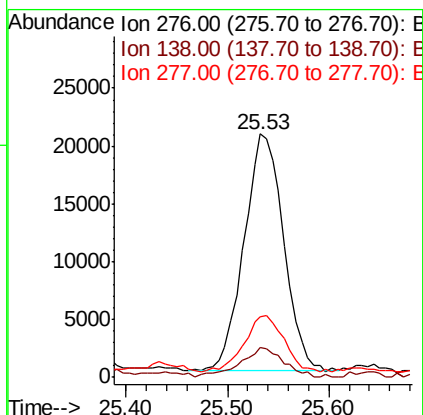
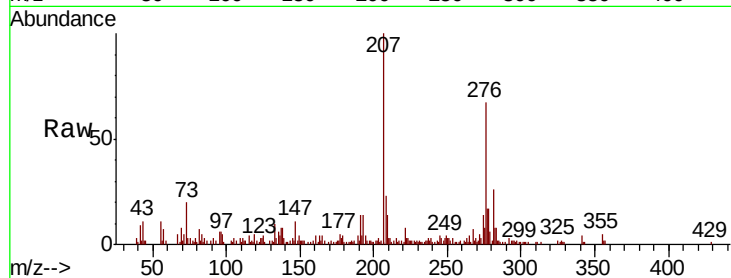




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.448 ng
 RT: 25.53 min Scan# 3833
 Delta R.T. -0.01 min
 Lab File: BM022456.D
 Acq: 31 Aug 2019 00:23

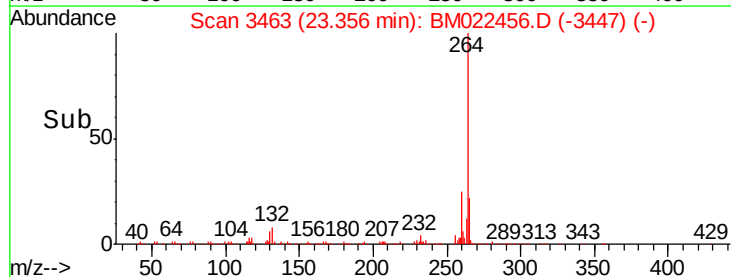
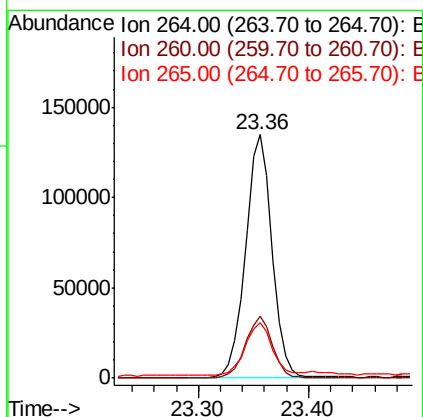
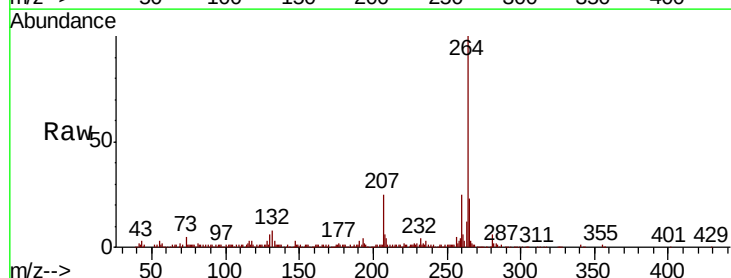
Instrument :
 BNA_M
 ClientSampleId :

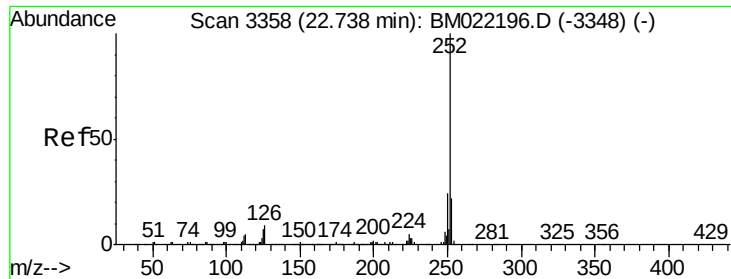
Tot Ion:276 Resp: 55733
 Ion Ratio Lower Upper
 276 100
 138 13.7 9.1 13.7
 277 24.0 20.0 30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.36 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BM022456.D
 Acq: 31 Aug 2019 00:23

Tgt Ion:264 Resp: 225885
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.2 30.2
 265 23.0 18.2 27.2

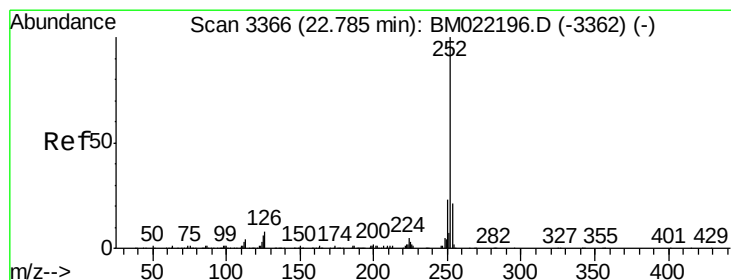
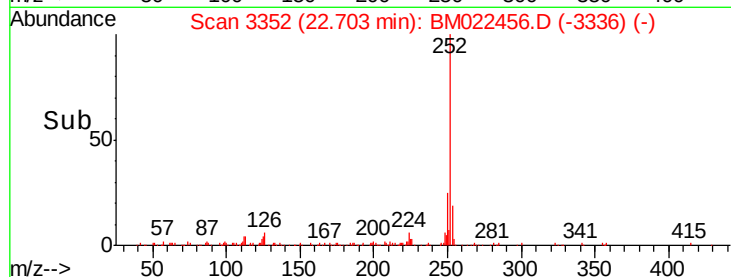
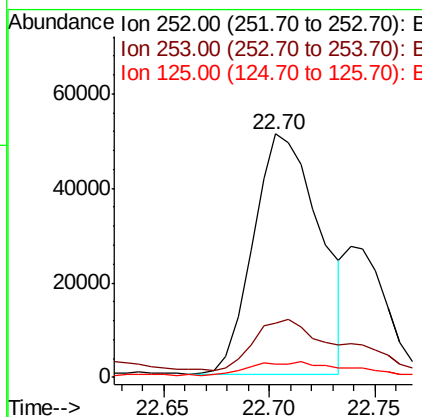
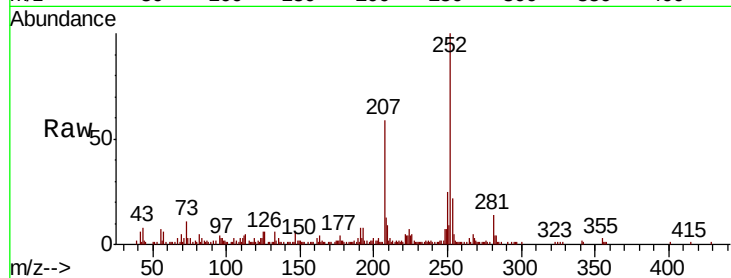




#88
Benzo(b)fluoranthene
Concen: 7.077 ng
RT: 22.70 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

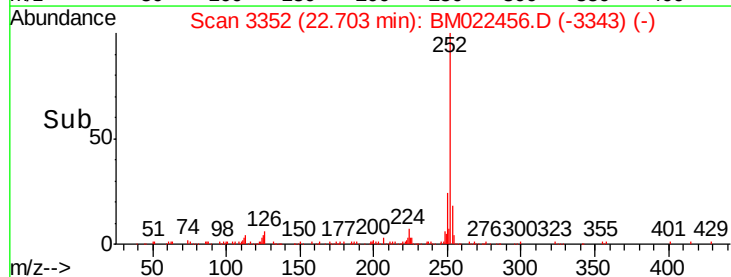
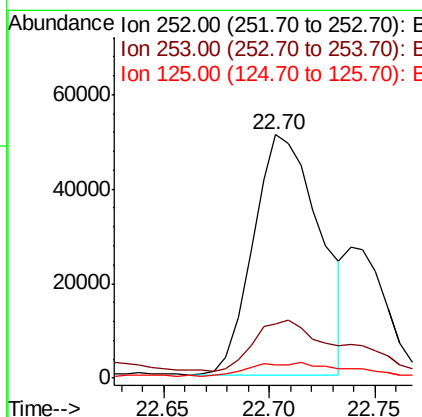
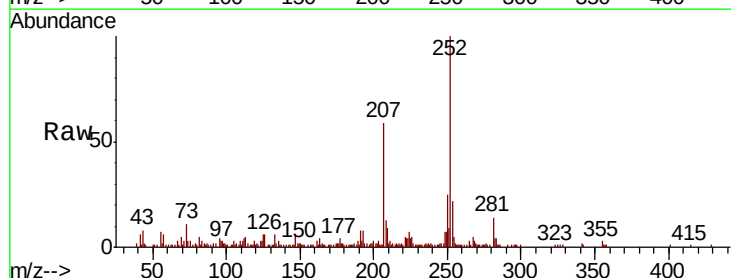
Instrument :
BNA_M
ClientSampleId :

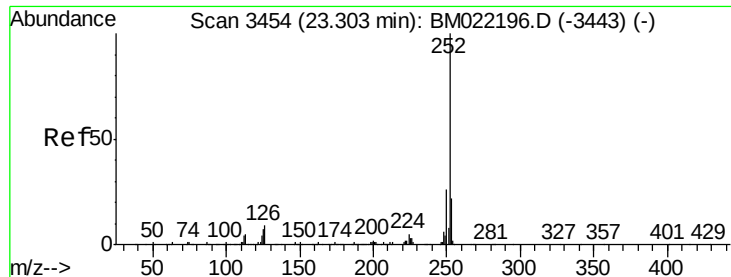
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	5.7	3.5	5.3



#89
Benzo(k)fluoranthene
Concen: 7.133 ng
RT: 22.70 min Scan# 3352
Delta R.T. -0.05 min
Lab File: BM022456.D
Acq: 31 Aug 2019 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.4
125	5.7	3.7	5.5





#90

Benzo(a)pyrene

Concen: 6.212 ng

RT: 23.26 min Scan# 3447

Delta R.T. -0.01 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

Instrument :

BNA_M

ClientSampleId :

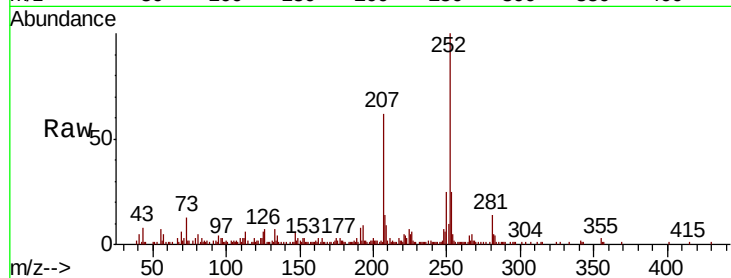
Tot Ion:252 Resp: 86524

Ion Ratio Lower Upper

252 100

253 25.1 18.2 27.2

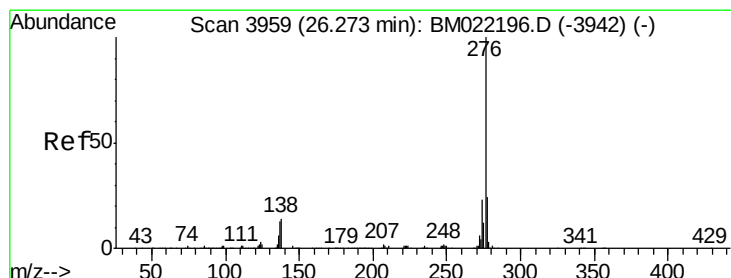
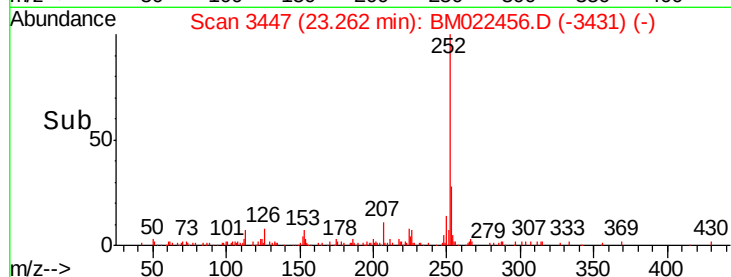
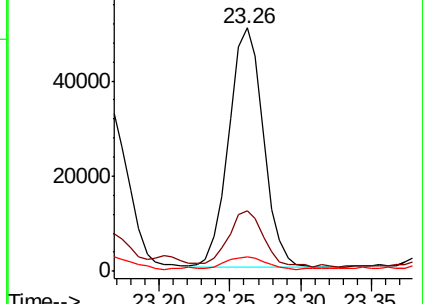
125 6.2 3.8 5.8#



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



#92

Benzo(g,h,i)perylene

Concen: 4.489 ng

RT: 26.21 min Scan# 3948

Delta R.T. -0.01 min

Lab File: BM022456.D

Acq: 31 Aug 2019 00:23

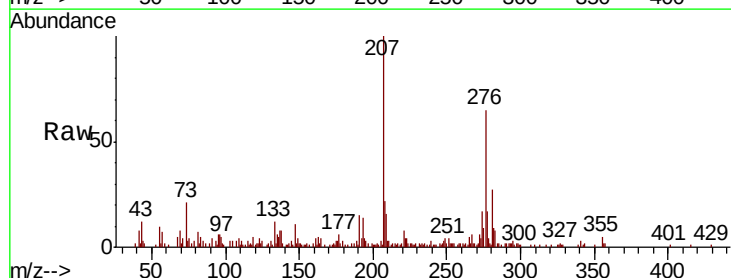
Tgt Ion:276 Resp: 54339

Ion Ratio Lower Upper

276 100

277 25.8 19.4 29.0

138 12.0 8.8 13.2



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

