

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022457.D
 Acq On : 31 Aug 2019 01:00
 Operator : HP/JU
 Sample : K4439-06RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 31 05:33:01 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	19867	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	68516	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	43891	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	105615	20.00	ng	0.00
76) Chrysene-d12	21.17	240	159705	20.00	ng	0.00
87) Perylene-d12	23.36	264	200353	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.15	112	54144	47.84	ng	0.00
7) Phenol-d6	6.72	99	74510	49.23	ng	0.00
23) Nitrobenzene-d5	8.69	82	49840	31.86	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	27530	30.65	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	99396	25.65	ng	0.00
79) Terphenyl-d14	19.59	244	245985	20.33	ng	-0.01

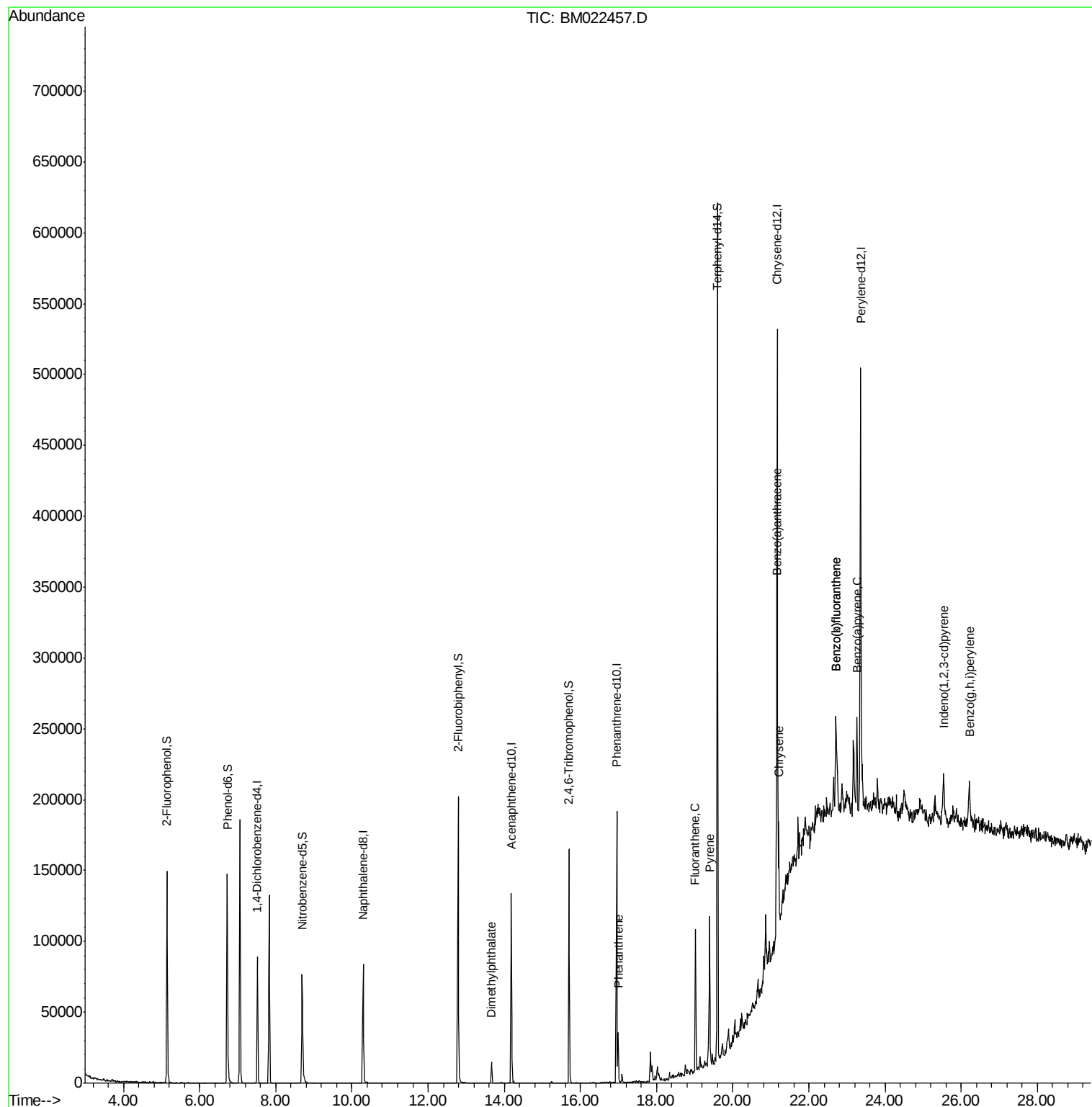
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.67	163	12245	3.208	ng	98
71) Phenanthrene	16.99	178	20428	3.318	ng	96
75) Fluoranthene	19.03	202	56637	6.908	ng	98
78) Pyrene	19.39	202	62522	5.744	ng	99
81) Benzo(a)anthracene	21.15	228	41500	3.620	ng	96
83) Chrysene	21.20	228	37595	3.446	ng	96
86) Indeno(1,2,3-cd)pyrene	25.54	276	26280	2.395	ng	# 97
88) Benzo(b)fluoranthene	22.71	252	47853	3.438	ng	# 92
89) Benzo(k)fluoranthene	22.71	252	47978	3.475	ng	# 90
90) Benzo(a)pyrene	23.26	252	38009	3.077	ng	# 95
92) Benzo(g,h,i)perylene	26.21	276	29851	2.780	ng	95

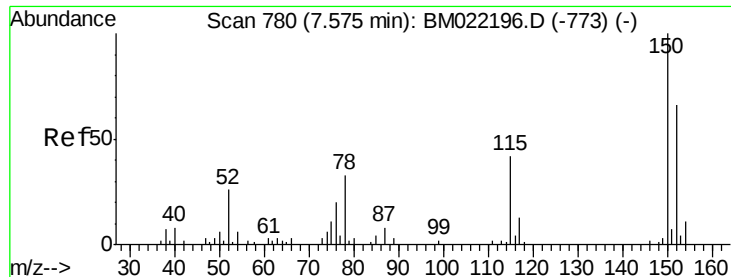
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 16:51:32 2019
Response via : Initial Calibration



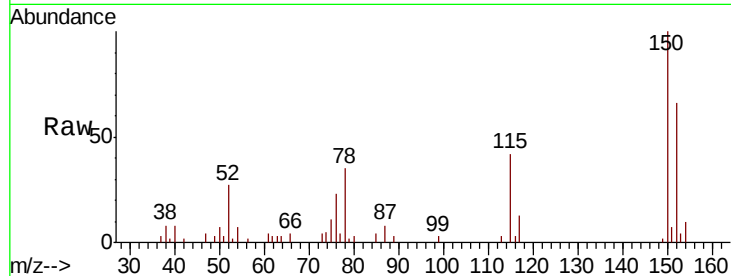


#1

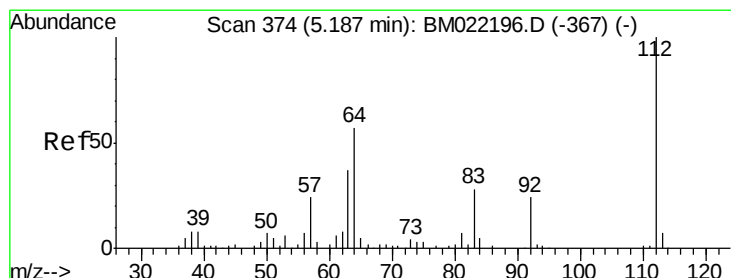
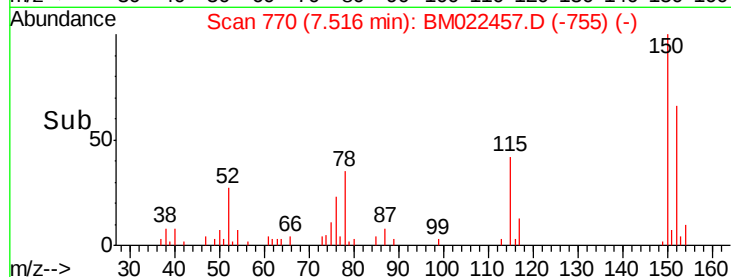
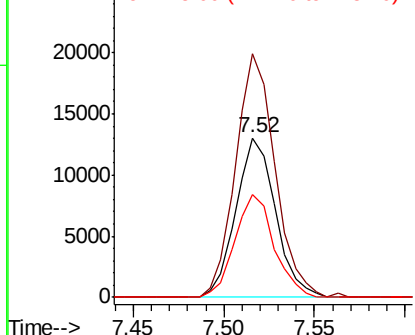
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	125.4	188.0
115	64.3	50.3	75.5



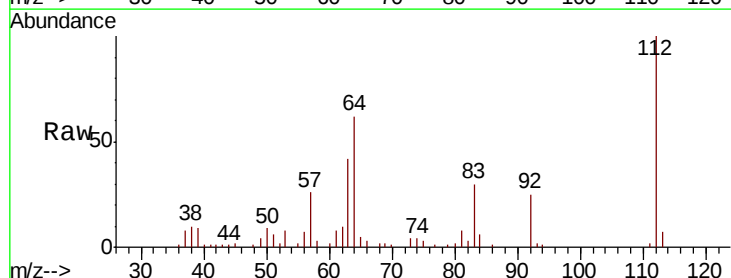
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



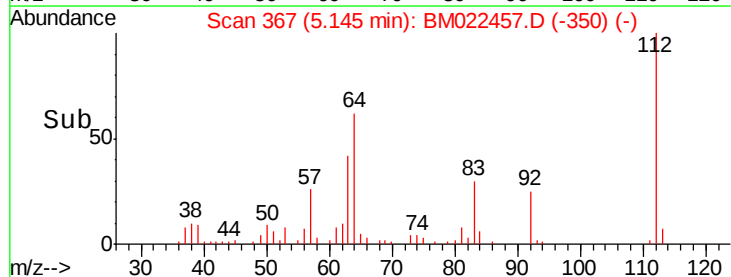
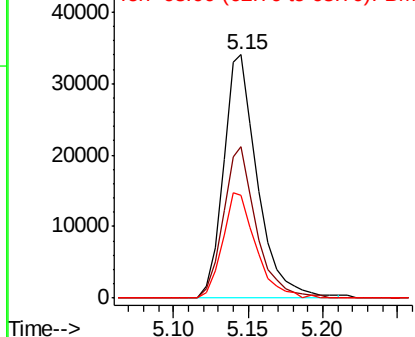
#5

2-Fluorophenol
Concen: 47.838 ng
RT: 5.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	45.4	68.2
63	42.2	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: 49.229 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022457.D

Acq: 31 Aug 2019 01:00

Instrument :

BNA_M

ClientSampleId :

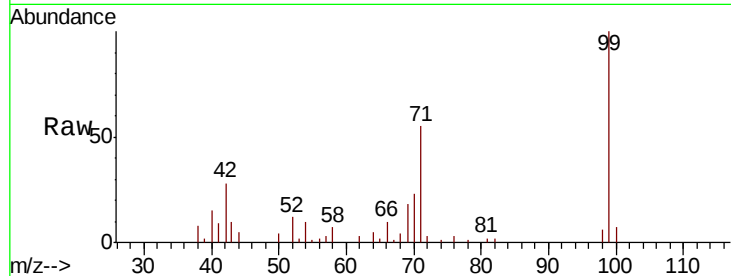
Tot Ion: 99 Resp: 74510

Ion Ratio Lower Upper

99 100

42 28.3 26.3 39.5

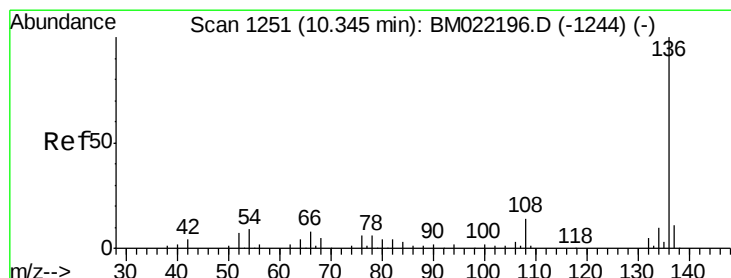
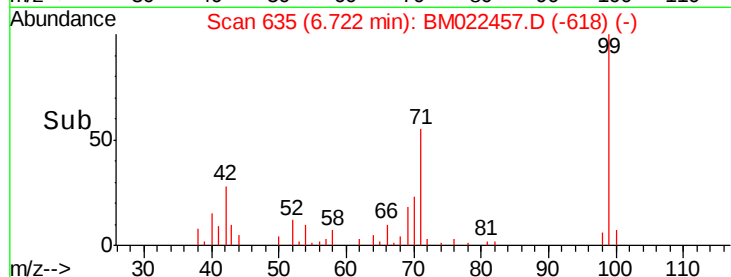
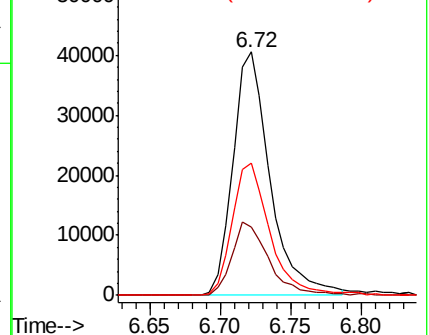
71 54.6 46.6 69.8



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: BM022457.D

Acq: 31 Aug 2019 01:00

Tgt Ion: 136 Resp: 68516

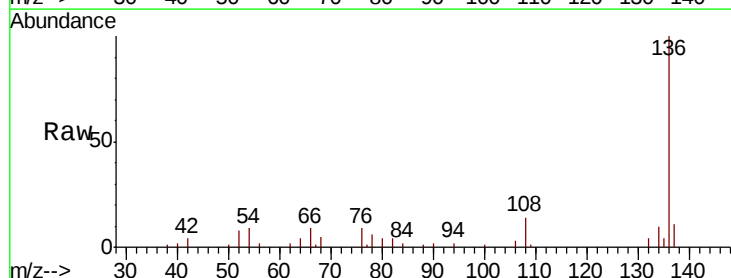
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.0 7.0 10.6

68 4.9 2.9 4.3#

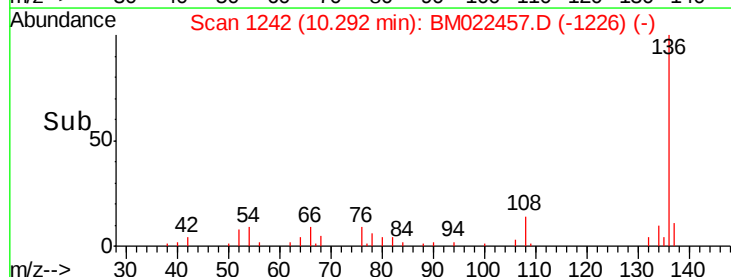
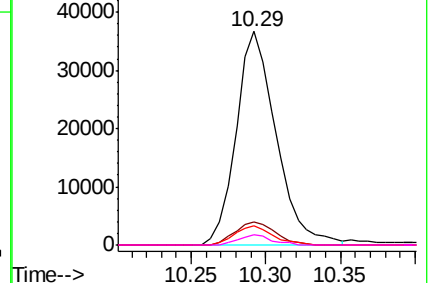


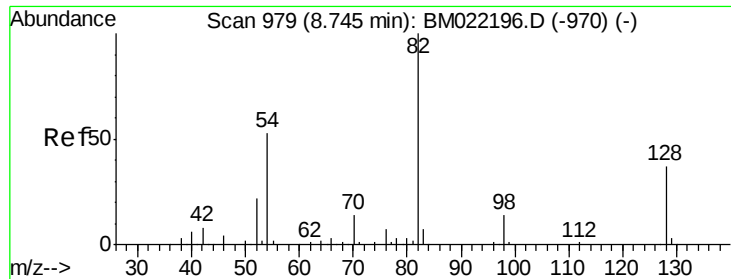
Abundance Ion 136.00 (135.70 to 136.70): BM022196.D (-1244) (-)

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) (-)

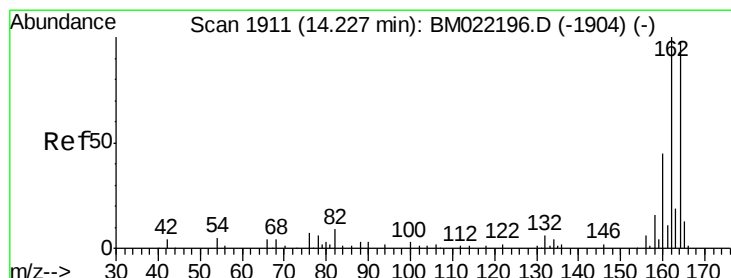
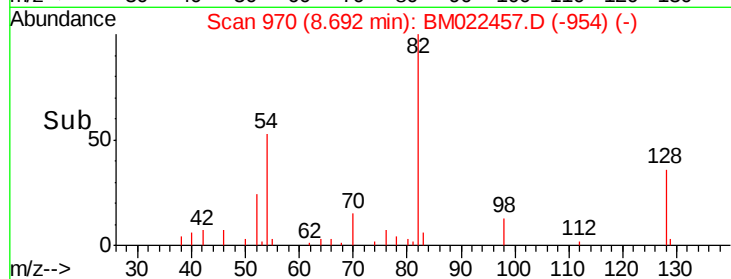
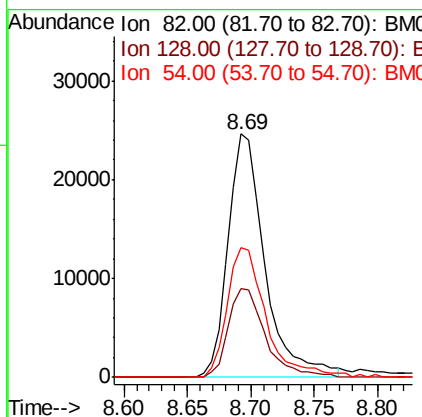
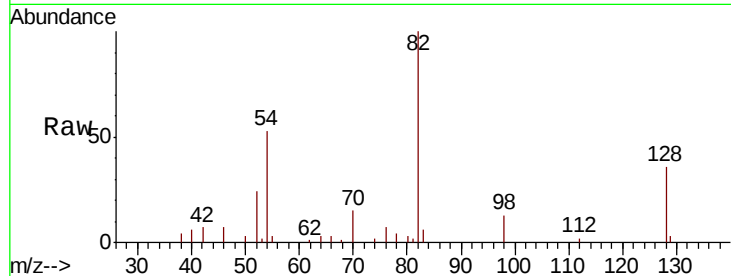




#23
 Nitrobenzene-d5
 Concen: 31.861 ng
 RT: 8.69 min Scan# 970
 Delta R.T. -0.01 min
 Lab File: BM022457.D
 Acq: 31 Aug 2019 01:00

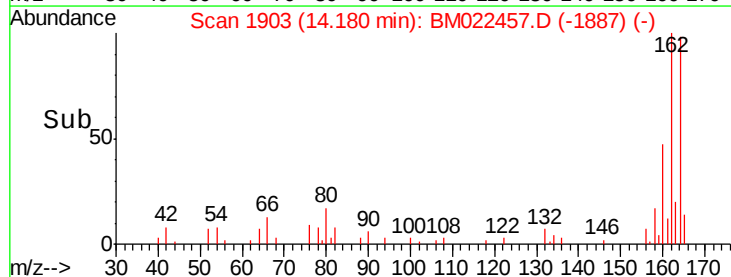
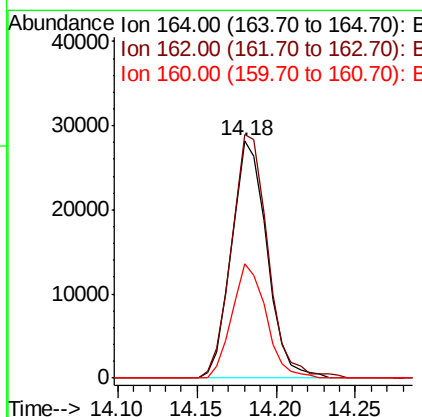
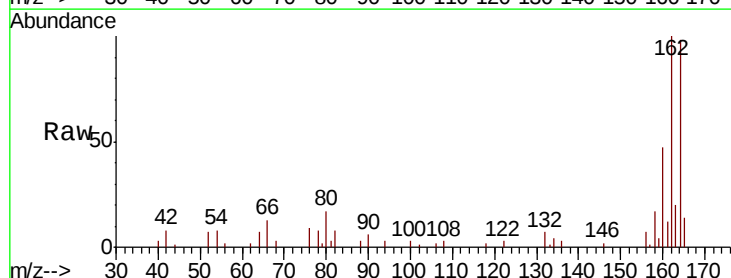
Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	82	Resp	49840
Ion Ratio	100	Lower	Upper
128	36.2	27.9	41.9
54	53.3	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: BM022457.D
 Acq: 31 Aug 2019 01:00

Tgt Ion	164	Resp	43891
Ion Ratio	100	Lower	Upper
162	102.4	80.6	121.0
160	48.2	37.3	55.9

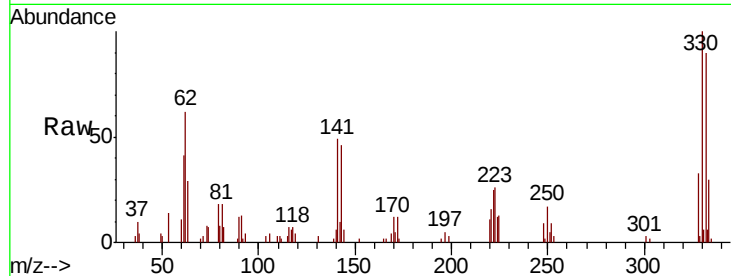




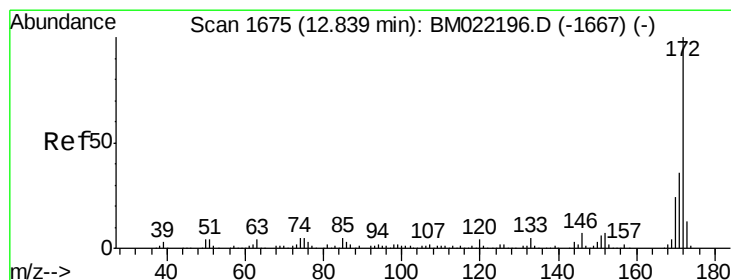
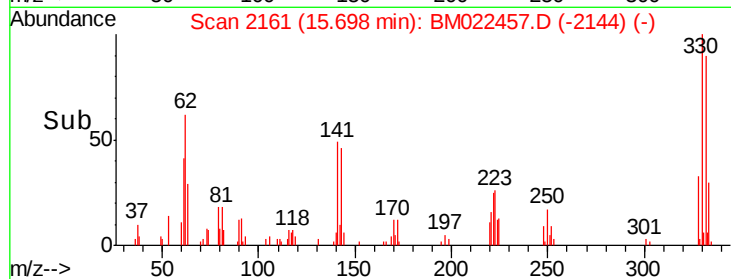
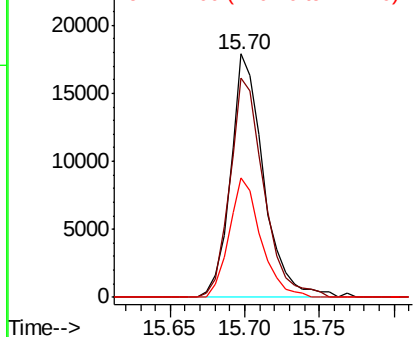
#42
 2,4,6-Tribromophenol
 Concen: 30.653 ng
 RT: 15.70 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BM022457.D
 Acq: 31 Aug 2019 01:00

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:330 Resp: 27530
 Ion Ratio Lower Upper
 330 100
 332 92.8 77.8 116.8
 141 47.4 35.6 53.4

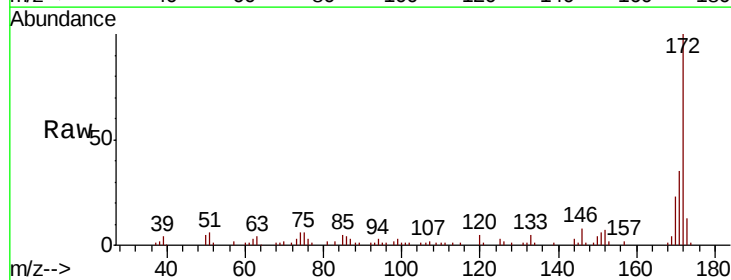


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

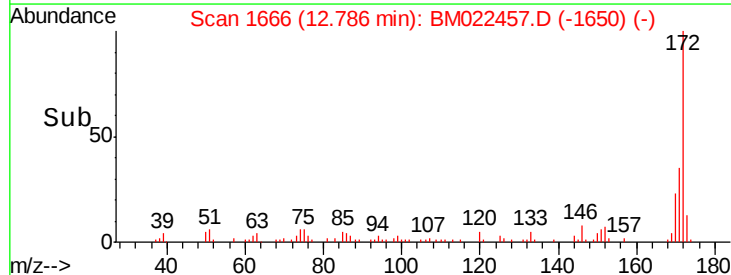
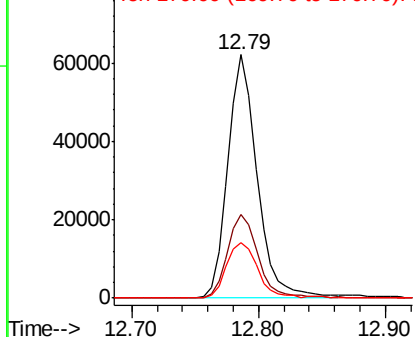


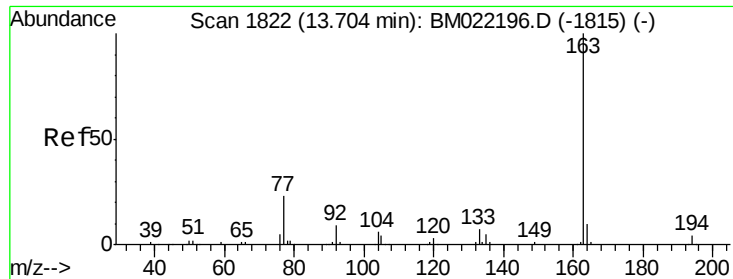
#45
 2-Fluorobiphenyl
 Concen: 25.655 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM022457.D
 Acq: 31 Aug 2019 01:00

Tgt Ion:172 Resp: 99396
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 22.8 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: 3.208 ng

RT: 13.67 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BM022457.D

Acq: 31 Aug 2019 01:00

Instrument :

BNA_M

ClientSampleId :

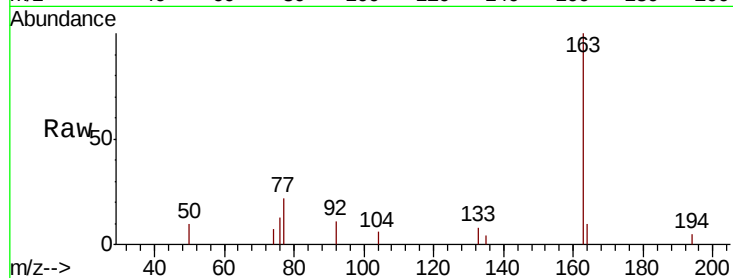
Tot Ion:163 Resp: 12245

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

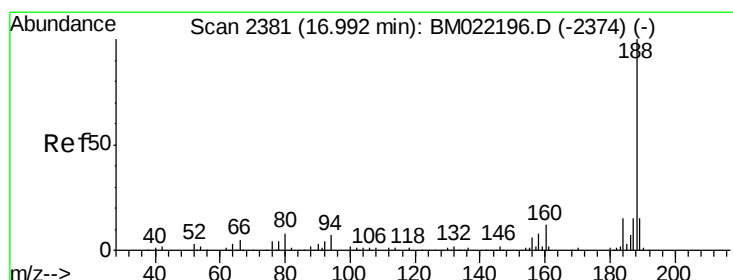
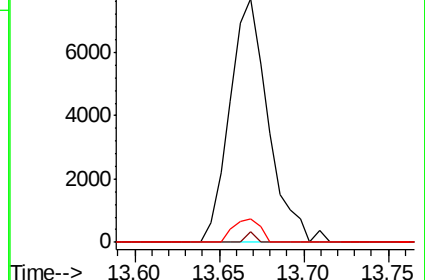
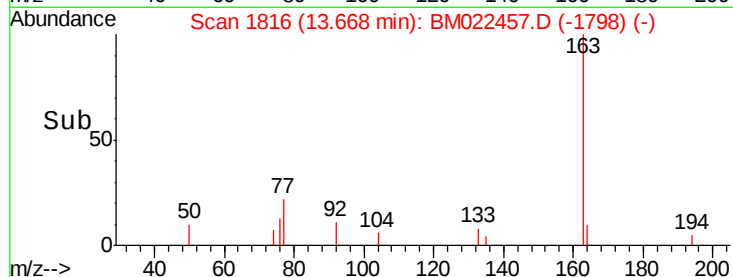
164 9.5 8.2 12.2



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: 16.95 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BM022457.D

Acq: 31 Aug 2019 01:00

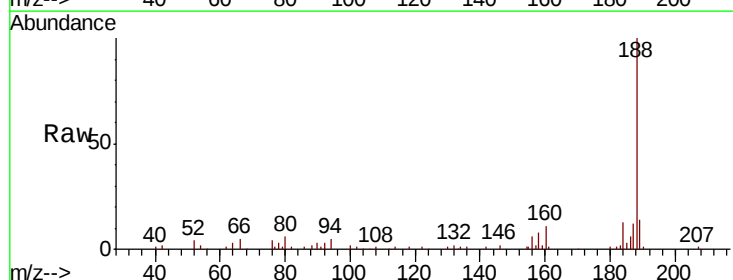
Tgt Ion:188 Resp: 105615

Ion Ratio Lower Upper

188 100

94 5.2 4.4 6.6

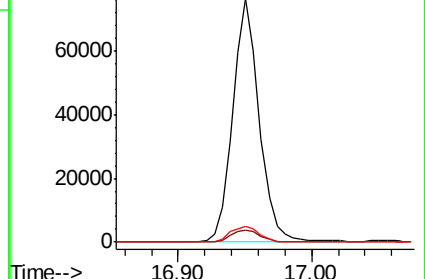
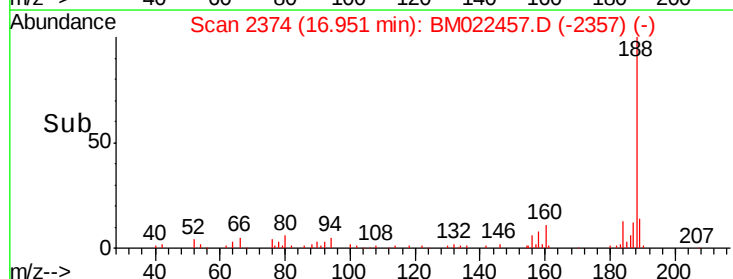
80 6.4 5.0 7.6

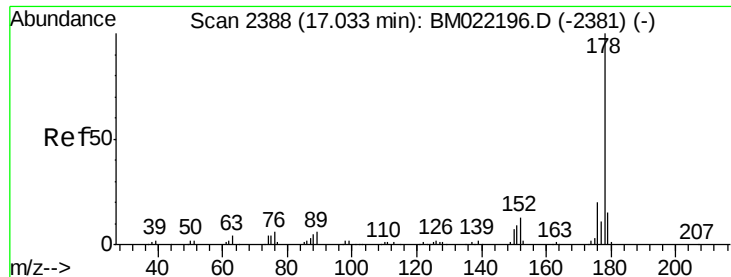


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

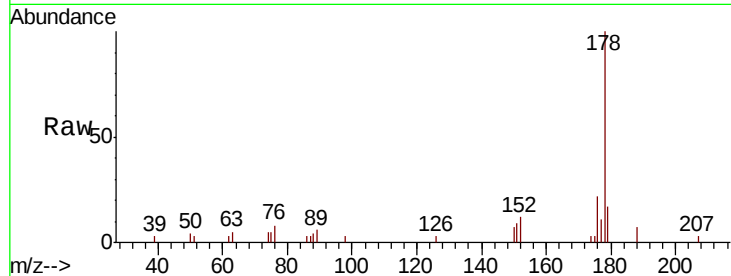




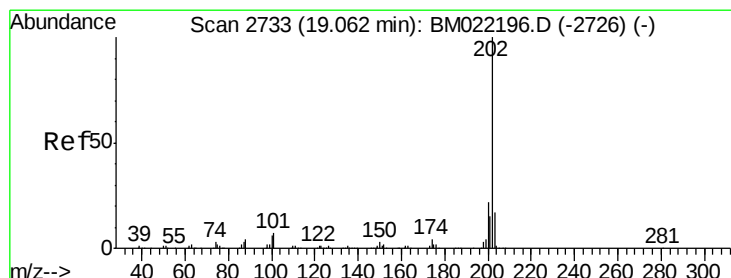
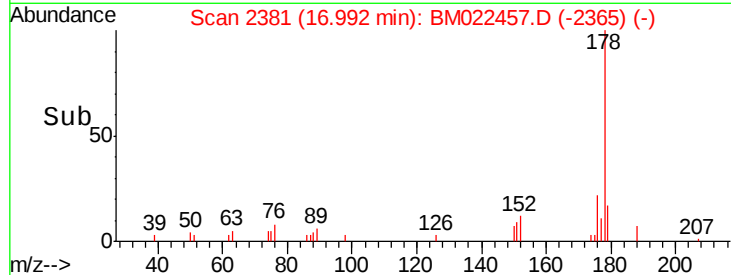
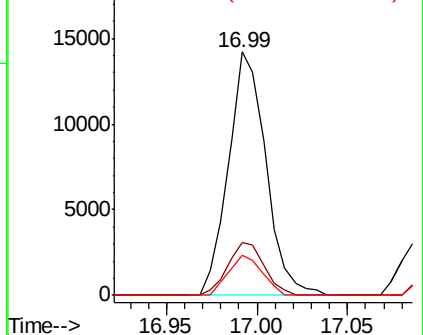
#71
Phenanthrene
Concen: 3.318 ng
RT: 16.99 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.7	15.4	23.2
179	16.7	12.3	18.5

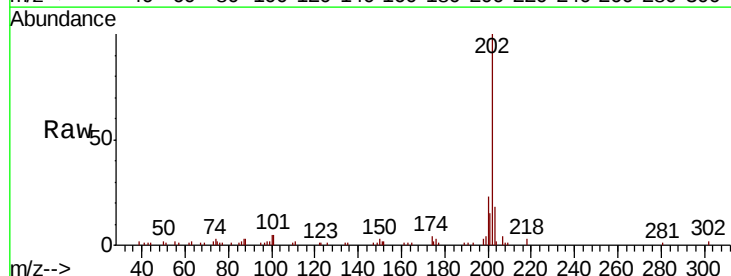


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

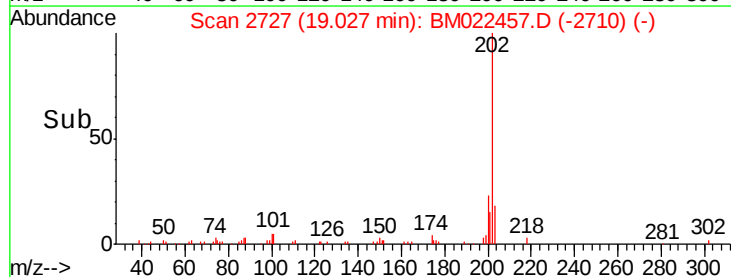
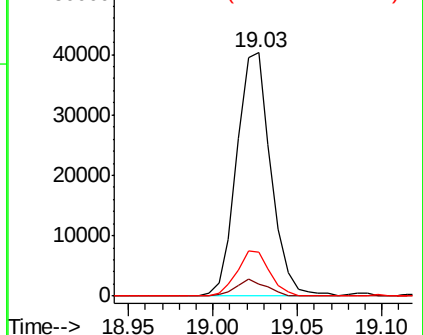


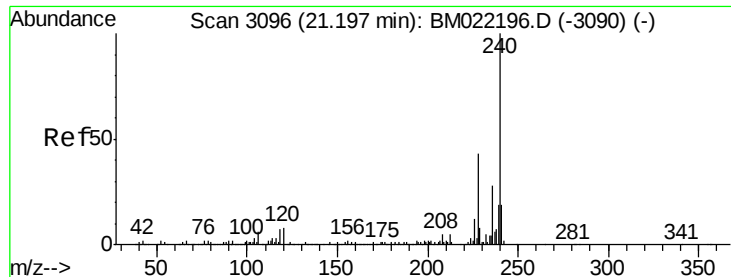
#75
Fluoranthene
Concen: 6.908 ng
RT: 19.03 min Scan# 2727
Delta R.T. -0.00 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.0	0.0	25.1
203	18.2	0.0	37.1



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

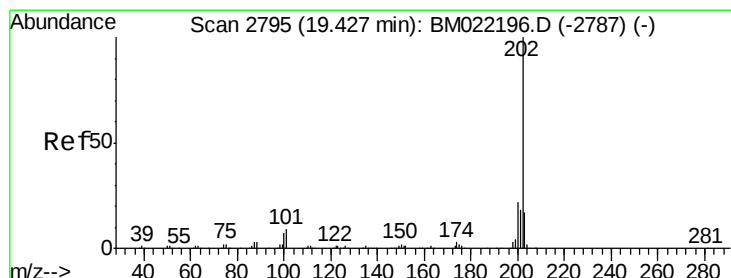
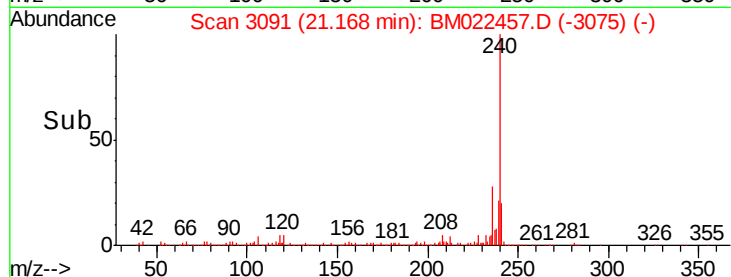
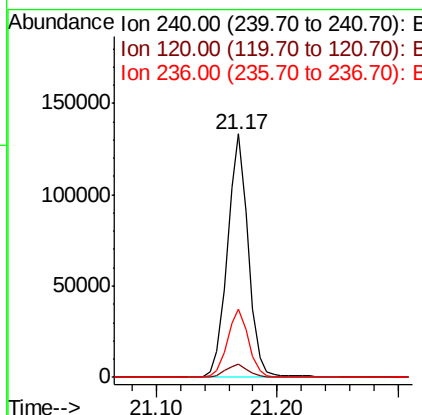
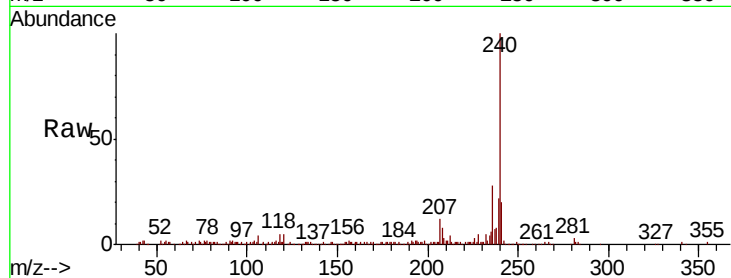




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

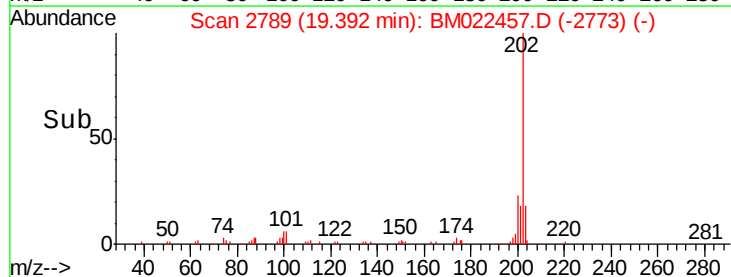
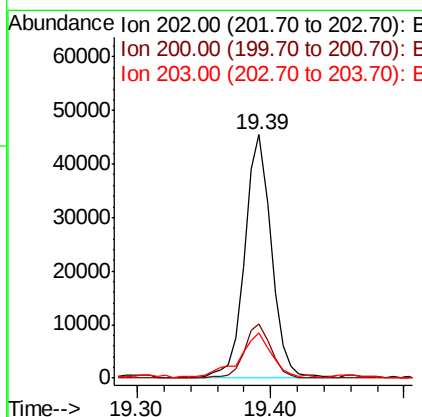
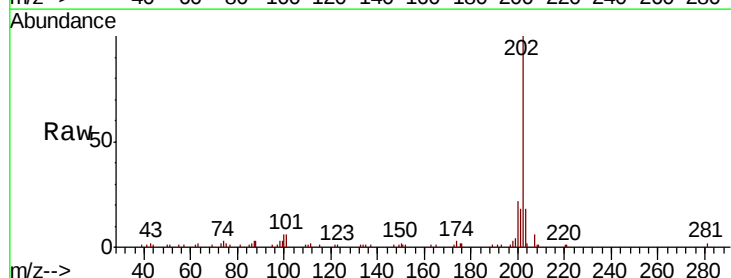
Instrument :
BNA_M
ClientSampleId :

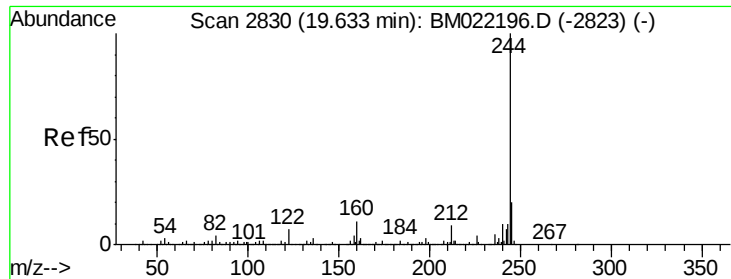
Tot Ion:240 Resp: 159705
Ion Ratio Lower Upper
240 100
120 5.4 3.9 5.9
236 28.0 21.4 32.2



#78
Pyrene
Concen: 5.744 ng
RT: 19.39 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion:202 Resp: 62522
Ion Ratio Lower Upper
202 100
200 22.3 17.7 26.5
203 18.4 13.8 20.8





#79

Terphenyl-d14

Concen: 20.327 ng

RT: 19.59 min Scan# 2823

Delta R.T. -0.01 min

Lab File: BM022457.D

Acq: 31 Aug 2019 01:00

Instrument :

BNA_M

ClientSampleId :

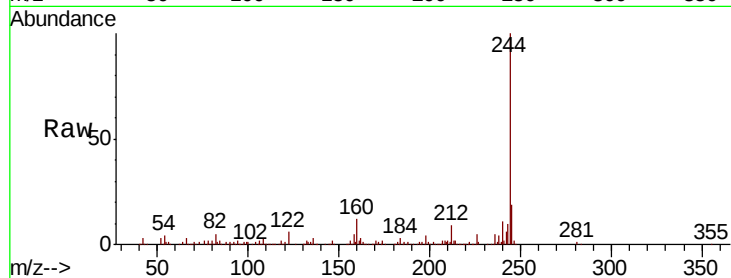
Tot Ion:244 Resp: 245985

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.4

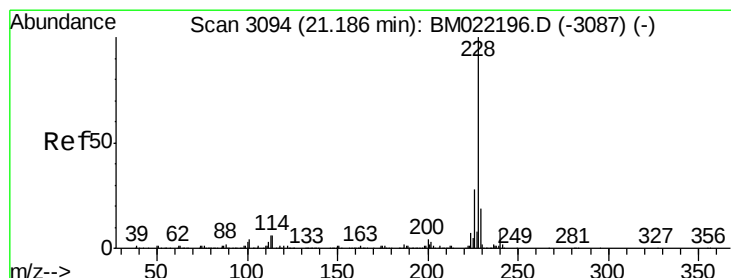
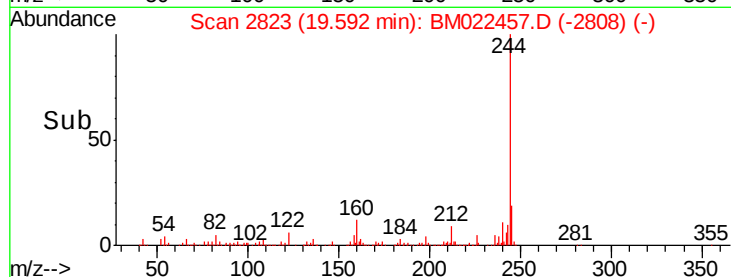
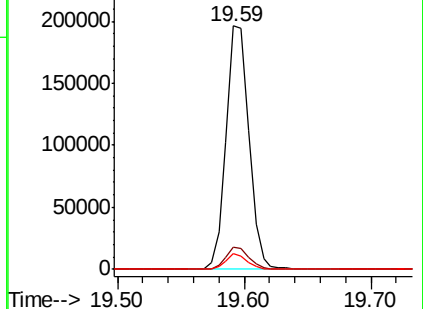
122 6.4 3.9 5.9#



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: 3.620 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022457.D

Acq: 31 Aug 2019 01:00

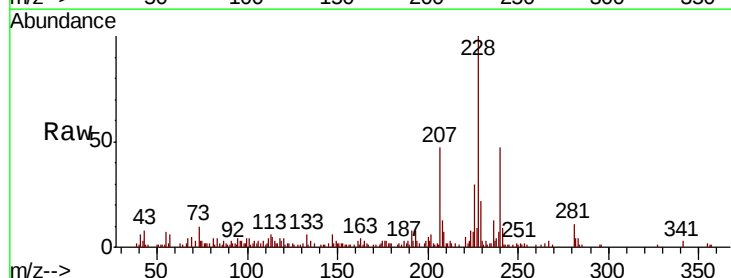
Tgt Ion:228 Resp: 41500

Ion Ratio Lower Upper

228 100

226 29.6 22.6 34.0

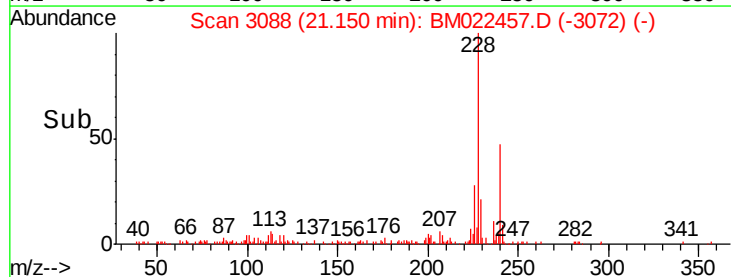
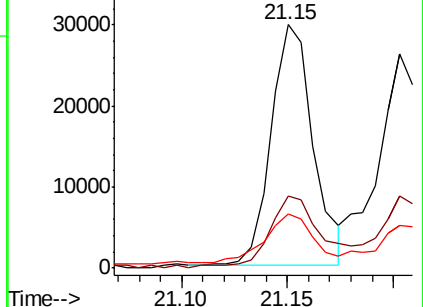
229 22.4 15.9 23.9

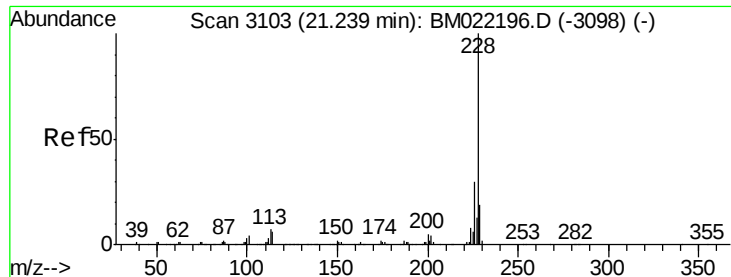


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

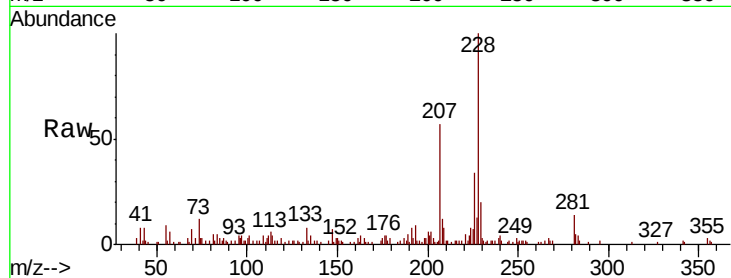




#83
Chrysene
Concen: 3.446 ng
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	24.5	36.7
229	20.0	15.7	23.5

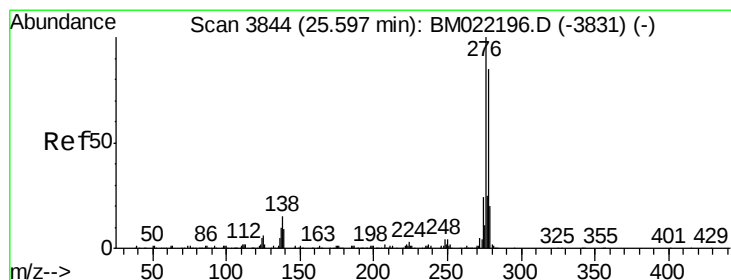
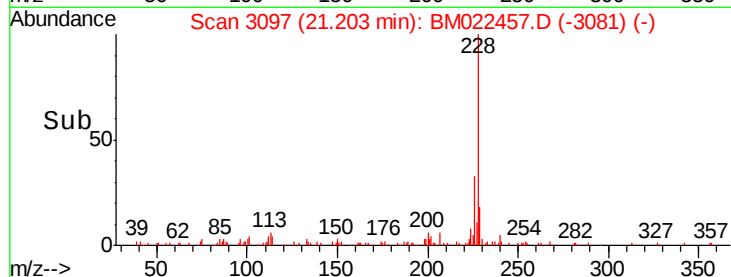
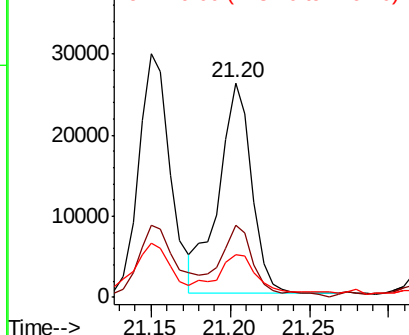


Abundance

Ion 228.00 (227.70 to 228.70): E

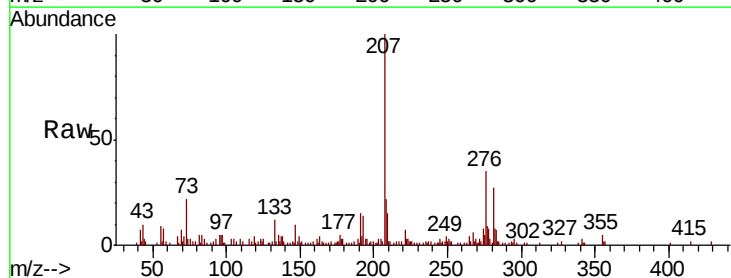
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.395 ng
RT: 25.54 min Scan# 3834
Delta R.T. -0.00 min
Lab File: BM022457.D
Acq: 31 Aug 2019 01:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.6	9.1	13.7#
277	25.3	20.0	30.0

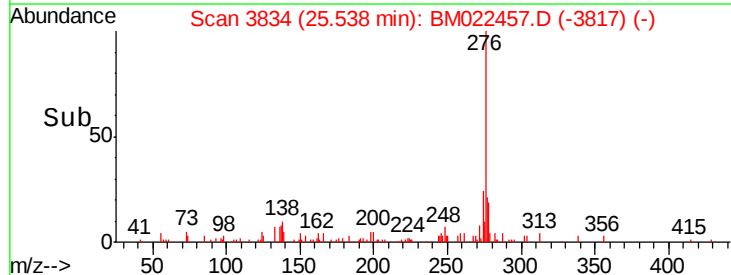
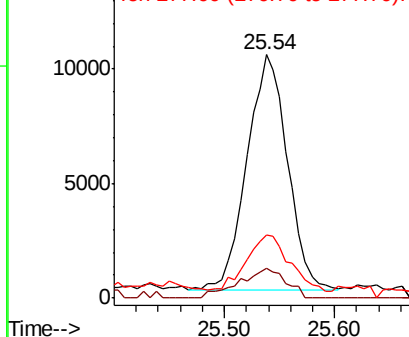


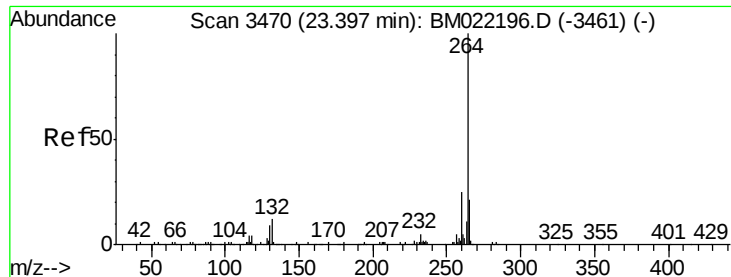
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.36 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BM022457.D

Acq: 31 Aug 2019 01:00

Instrument :

BNA_M

ClientSampled :

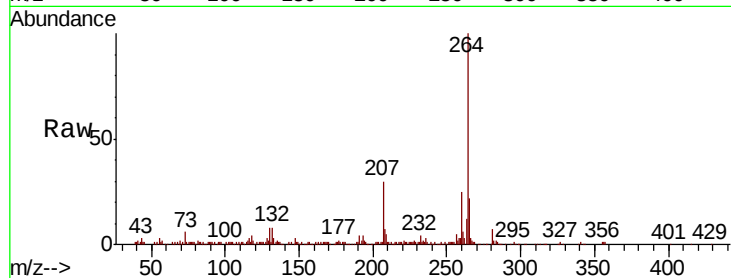
Tot Ion:264 Resp: 200353

Ion Ratio Lower Upper

264 100

260 24.7 20.2 30.2

265 21.7 18.2 27.2

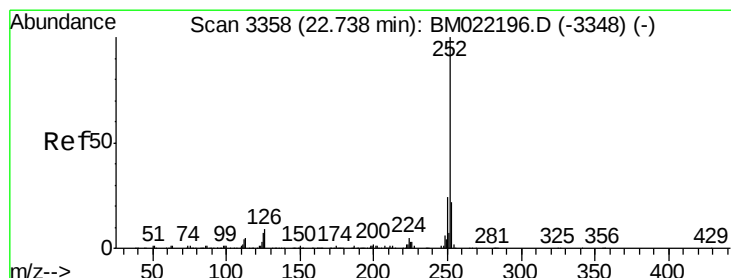
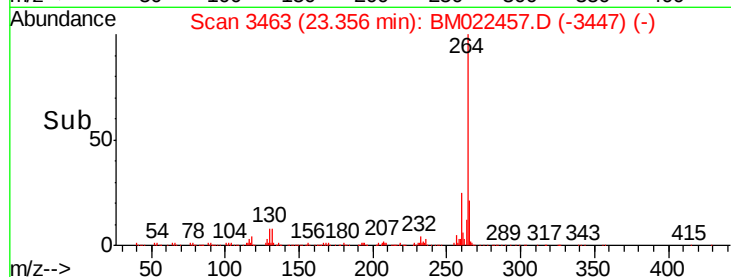
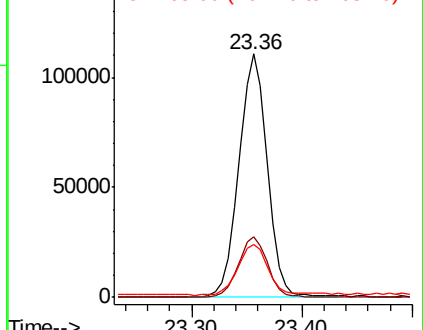


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 3.438 ng

RT: 22.71 min Scan# 3353

Delta R.T. -0.00 min

Lab File: BM022457.D

Acq: 31 Aug 2019 01:00

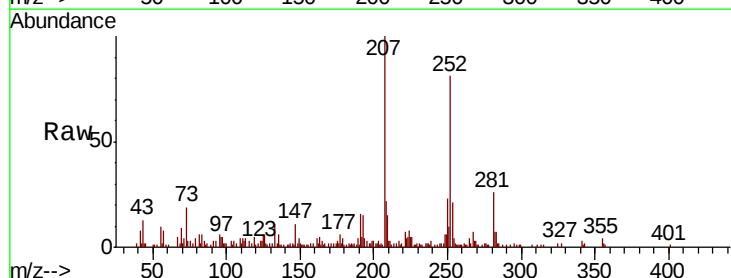
Tgt Ion:252 Resp: 47853

Ion Ratio Lower Upper

252 100

253 26.2 17.9 26.9

125 7.7 3.5 5.3#

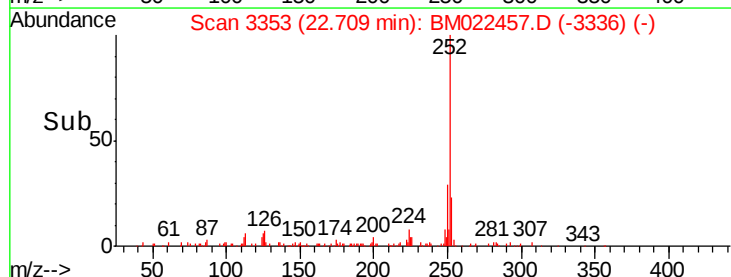
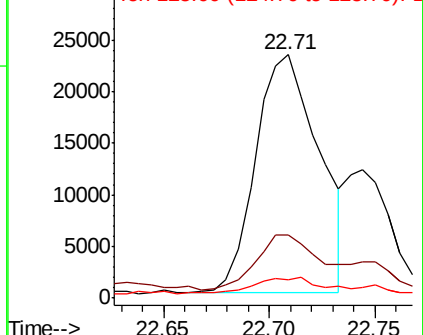


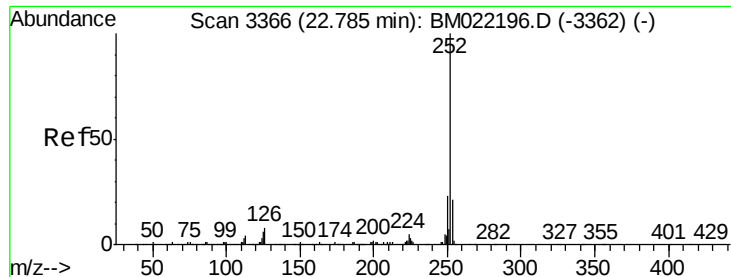
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.475 ng

RT: 22.71 min Scan# 3353

Delta R.T. -0.04 min

Lab File: BM022457.D

Acq: 31 Aug 2019 01:00

Instrument :

BNA_M

ClientSampleId :

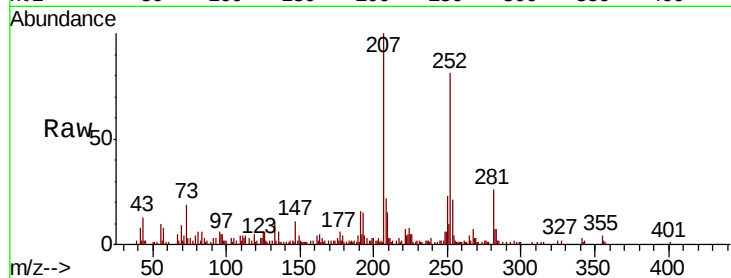
Tot Ion:252 Resp: 47978

Ion Ratio Lower Upper

252 100

253 26.2 17.0 25.4#

125 7.7 3.7 5.5#

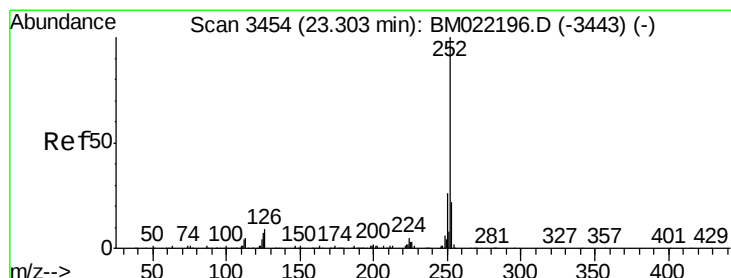
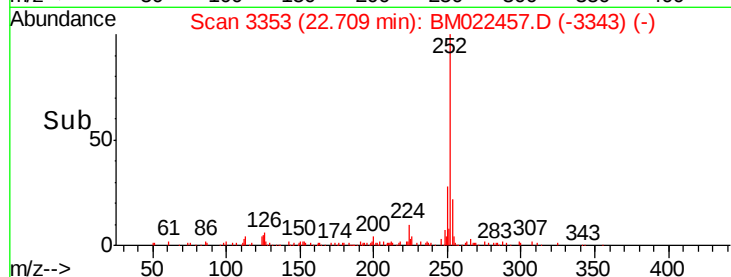
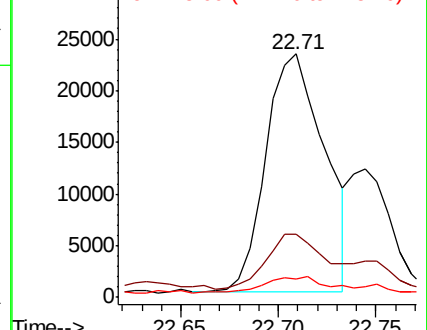


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 3.077 ng

RT: 23.26 min Scan# 3447

Delta R.T. -0.01 min

Lab File: BM022457.D

Acq: 31 Aug 2019 01:00

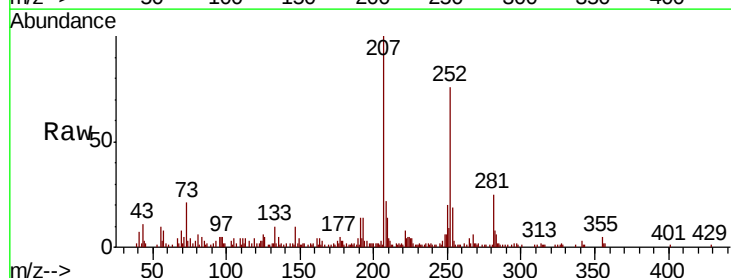
Tgt Ion:252 Resp: 38009

Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.2

125 7.4 3.8 5.8#

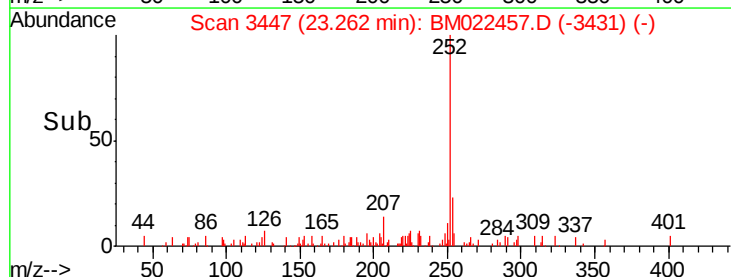
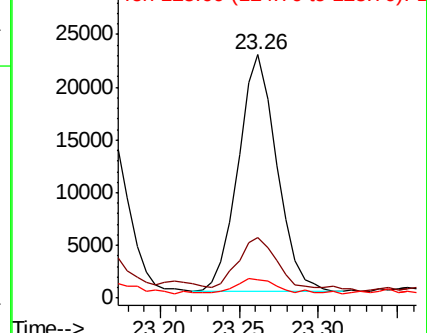


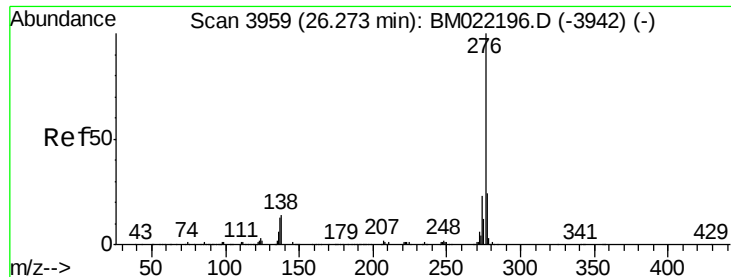
Abundance

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





#92
 Benzo(a,h,i)perylene
 Concen: 2.780 ng
 RT: 26.21 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: BM022457.D
 Acq: 31 Aug 2019 01:00

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:276	Resp:	29851
Ion Ratio	Lower	Upper
276	100	
277	27.3	19.4 29.0
138	11.5	8.8 13.2

