

Data File : BM022422.D
Acq On : 29 Aug 2019 23:49
Operator : HP/JU
Sample : K4439-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-2-(5-7)

Quant Time: Aug 30 07:53:49 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	20773	20.00	ng	0.00
21) Naphthalene-d8	10.29	136	74294	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	47395	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	109587	20.00	ng	0.00
76) Chrysene-d12	21.17	240	158654	20.00	ng	0.00
87) Perylene-d12	23.36	264	180860	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	107288	90.66	ng	0.00
7) Phenol-d6	6.72	99	138527	87.53	ng	0.00
23) Nitrobenzene-d5	8.69	82	97309	57.37	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	75133	77.47	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	188590	45.08	ng	0.00
79) Terphenyl-d14	19.60	244	368987	30.69	ng	0.00

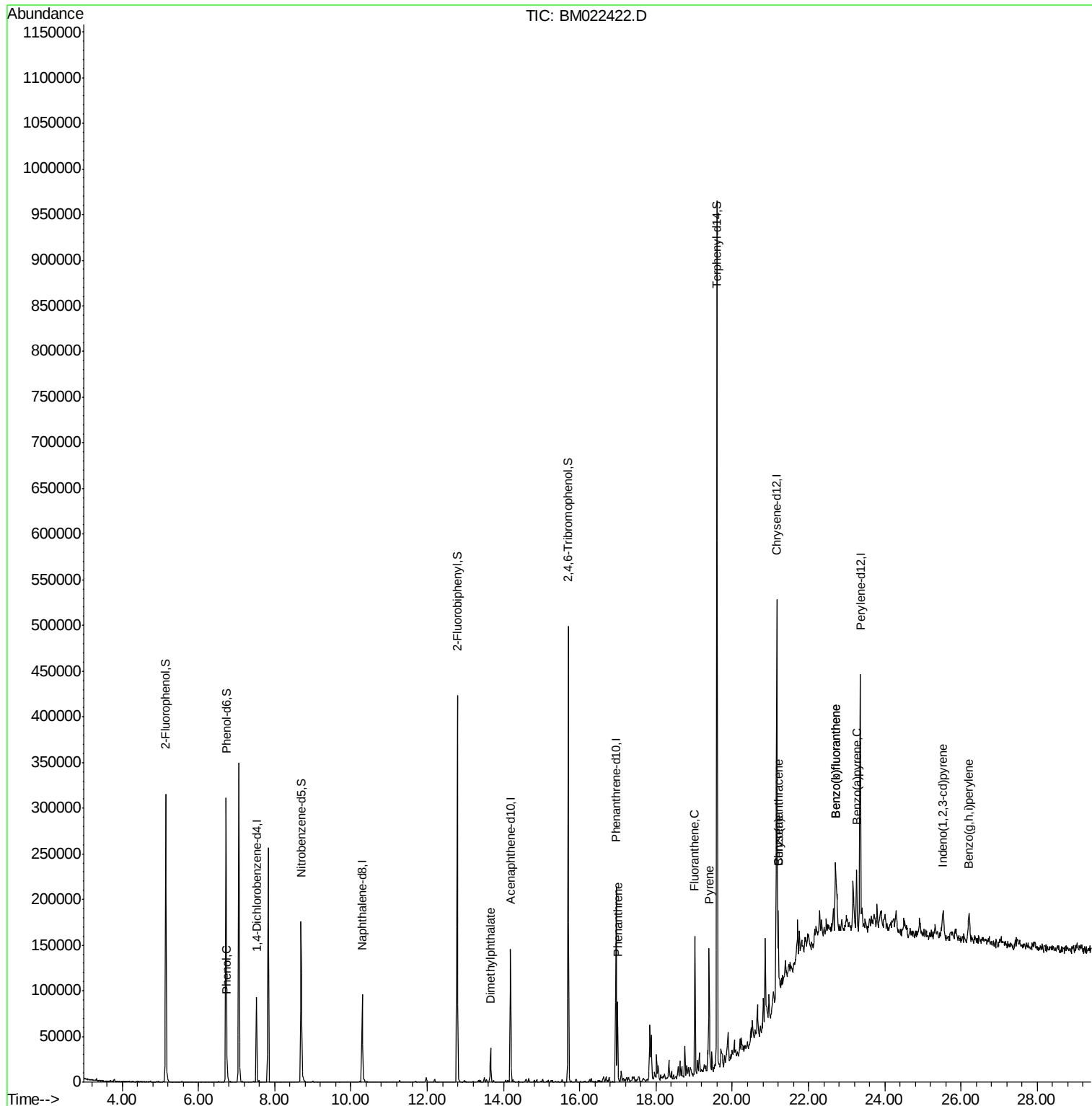
Target Compounds				Qvalue		
10) Phenol	6.75	94	4456	2.803	ng	87
50) Dimethylphthalate	13.66	163	24053	5.835	ng	99
71) Phenanthrene	16.99	178	51727	8.098	ng	99
75) Fluoranthene	19.02	202	78242	9.198	ng	100
78) Pyrene	19.39	202	77350	7.154	ng	100
81) Benzo(a)anthracene	21.20	228	44170	3.879	ng	95
83) Chrysene	21.20	228	48466	4.471	ng	97
86) Indeno(1,2,3-cd)pyrene	25.53	276	26323	2.414	ng	94
88) Benzo(b)fluoranthene	22.71	252	68413	5.445	ng	# 94
89) Benzo(k)fluoranthene	22.71	252	68576	5.502	ng	# 92
90) Benzo(a)pyrene	23.26	252	36666	3.288	ng	# 90
92) Benzo(g,h,i)perylene	26.20	276	27016	2.787	ng	# 93

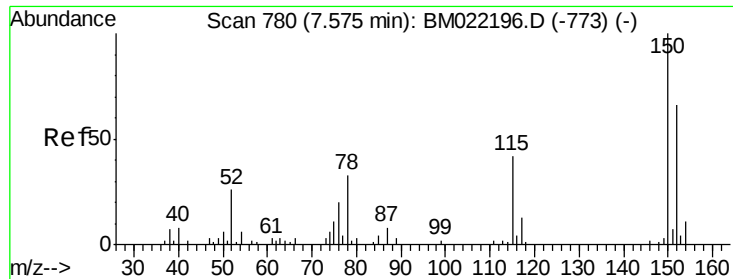
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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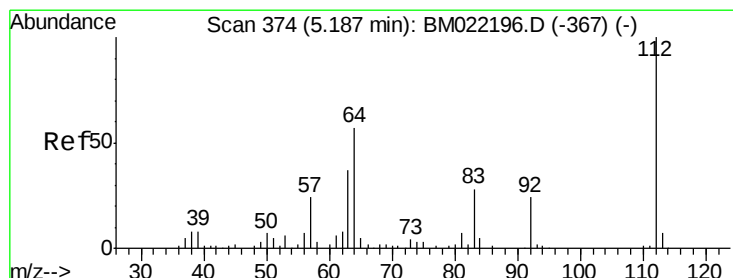
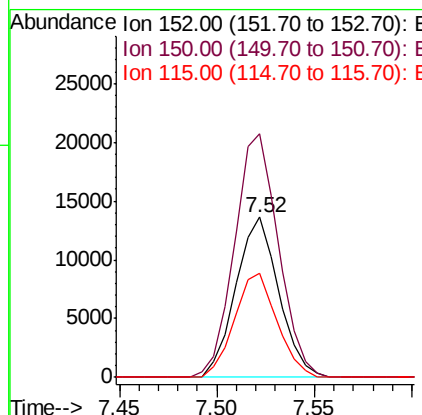
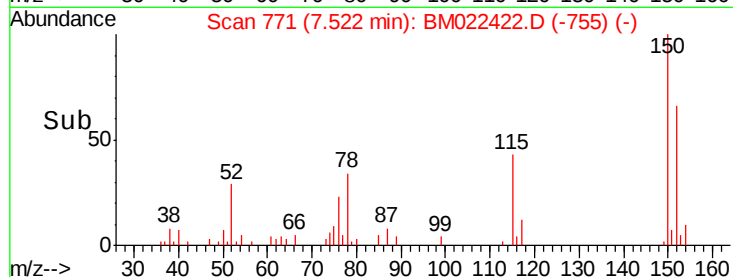
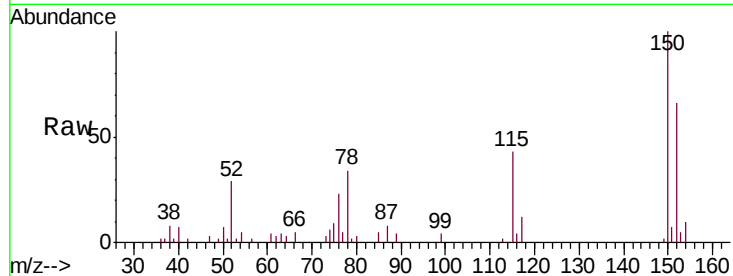




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.52 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BM022422.D
 Acq: 29 Aug 2019 23:49

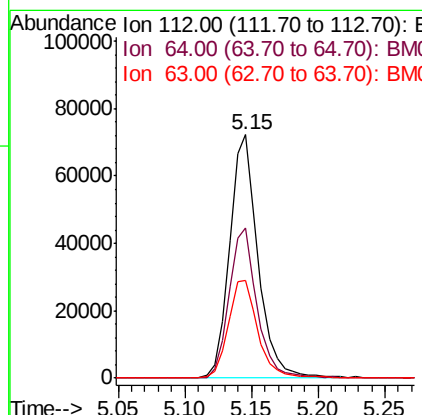
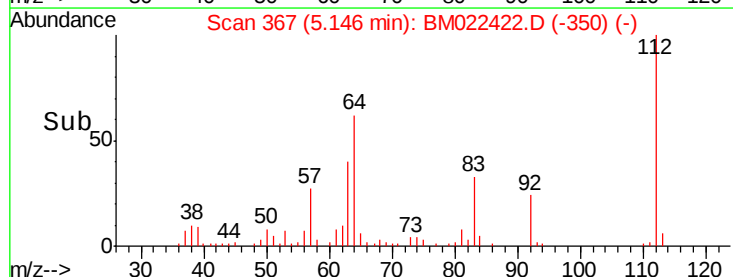
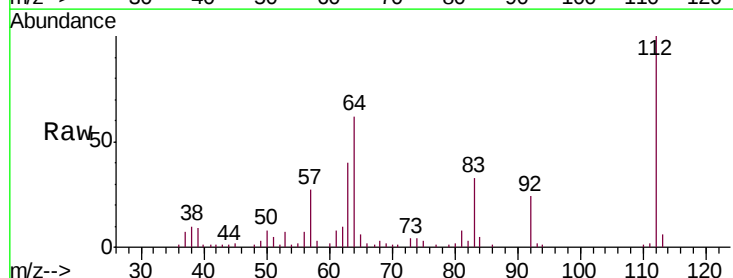
Instrument :
 BNA_M
 ClientSampled :
 S-2-(5-7)

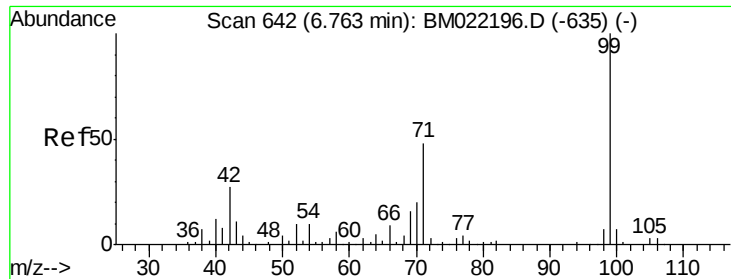
Tgt Ion:152 Resp: 20773
 Ion Ratio Lower Upper
 152 100
 150 151.9 125.4 188.0
 115 64.9 50.3 75.5



#5
 2-Fluorophenol
 Concen: 90.659 ng
 RT: 5.15 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: BM022422.D
 Acq: 29 Aug 2019 23:49

Tgt Ion:112 Resp: 107288
 Ion Ratio Lower Upper
 112 100
 64 61.9 45.4 68.2
 63 40.2 34.5 51.7





#7

Phenol-d6

Concen: 87.534 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022422.D

Acq: 29 Aug 2019 23:49

Instrument :

BNA_M

ClientSampleId :

S-2-(5-7)

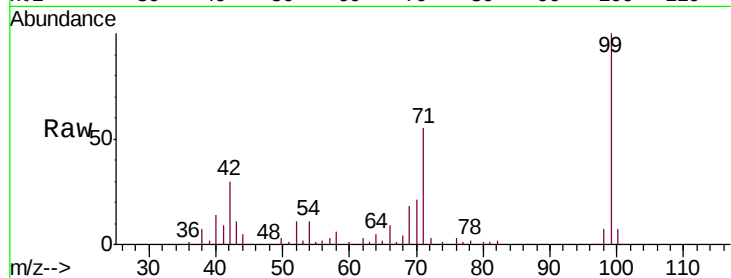
Tgt Ion: 99 Resp: 138527

Ion Ratio Lower Upper

99 100

42 30.0 26.3 39.5

71 55.1 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) (-)

6.72

80000

60000

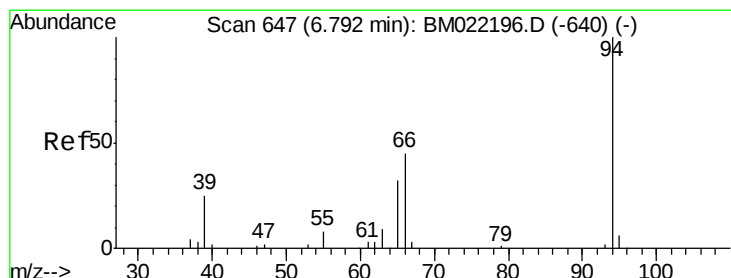
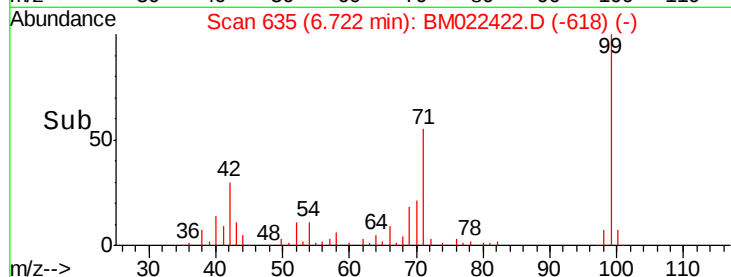
40000

20000

0

6.65 6.70 6.75 6.80

Time-->



#10

Phenol

Concen: 2.803 ng

RT: 6.75 min Scan# 640

Delta R.T. -0.00 min

Lab File: BM022422.D

Acq: 29 Aug 2019 23:49

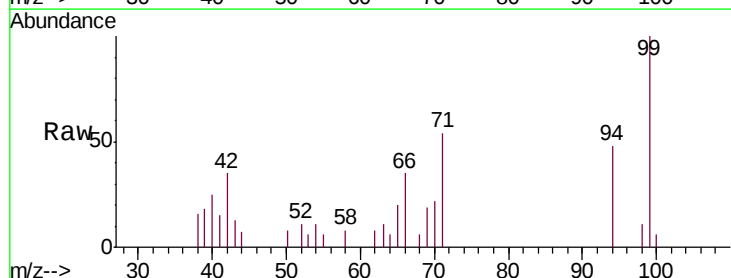
Tgt Ion: 94 Resp: 4456

Ion Ratio Lower Upper

94 100

65 41.6 17.7 57.7

66 72.8 39.6 79.6



Abundance Ion 94.00 (93.70 to 94.70): BM022196.D (-640) (-)

Ion 65.00 (64.70 to 65.70): BM022196.D (-640) (-)

Ion 66.00 (65.70 to 66.70): BM022196.D (-640) (-)

10000

8000

6000

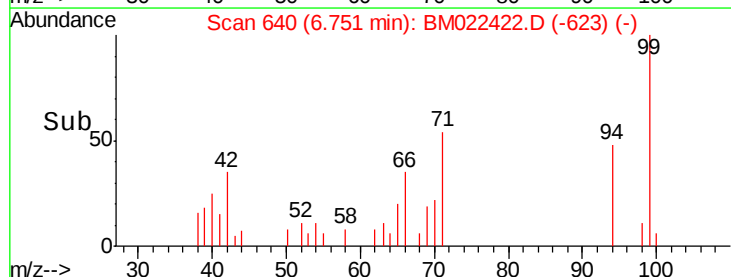
4000

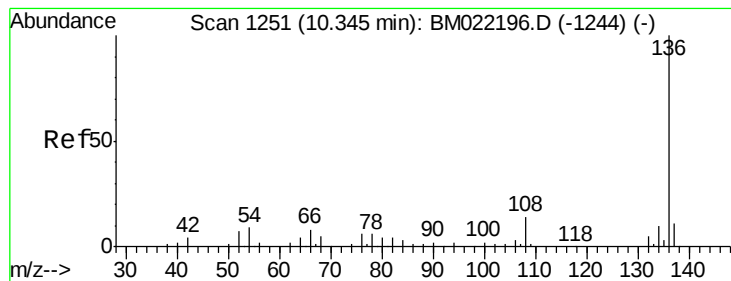
2000

0

6.70 6.75 6.80

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.29 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BM022422.D

Acq: 29 Aug 2019 23:49

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion: 136 Resp: 74294

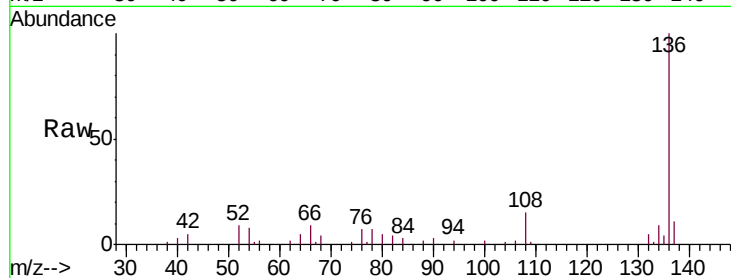
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.4 7.0 10.6

68 4.3 2.9 4.3

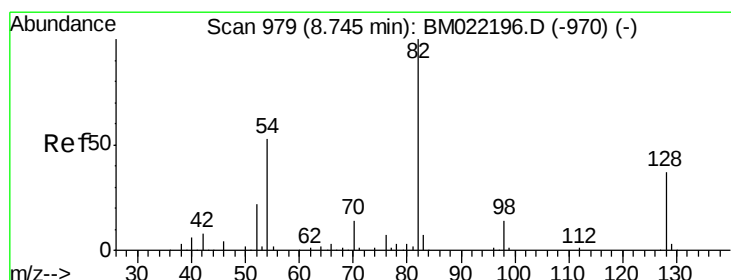
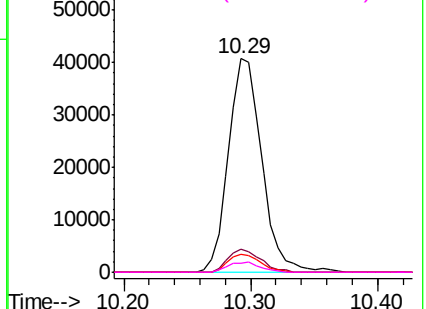
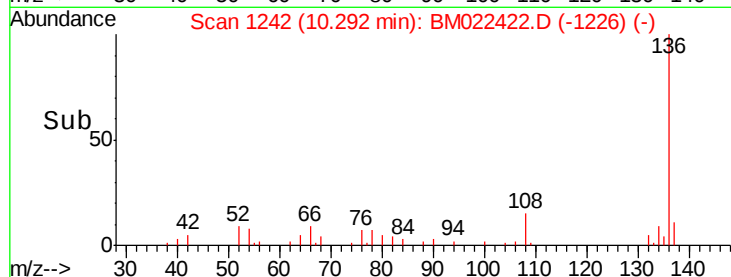


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#23

Nitrobenzene-d5

Concen: 57.369 ng

RT: 8.69 min Scan# 970

Delta R.T. -0.01 min

Lab File: BM022422.D

Acq: 29 Aug 2019 23:49

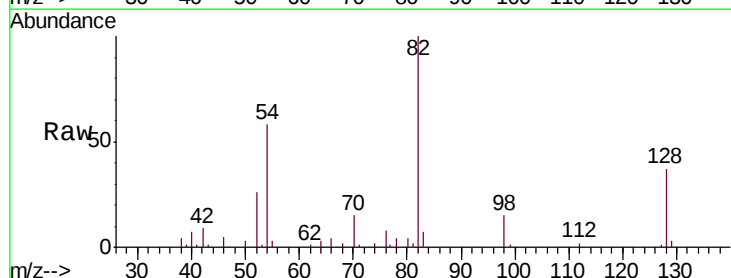
Tgt Ion: 82 Resp: 97309

Ion Ratio Lower Upper

82 100

128 36.8 27.9 41.9

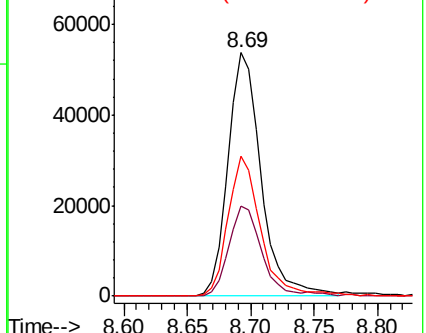
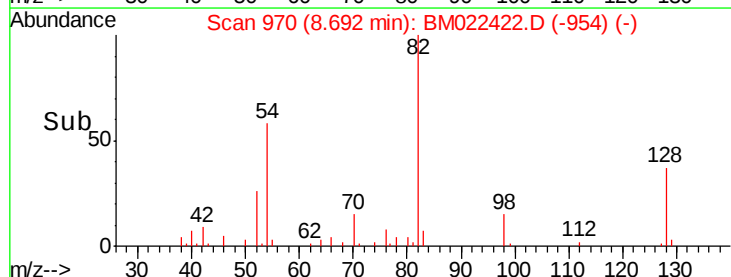
54 57.6 45.2 67.8

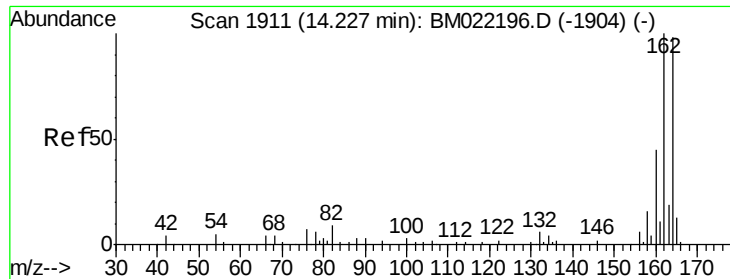


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.18 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BM022422.D

Acq: 29 Aug 2019 23:49

Instrument :

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S-2-(5-7)

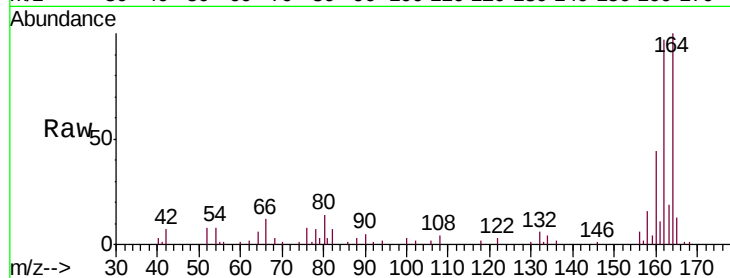
Tgt Ion:164 Resp: 47395

Ion Ratio Lower Upper

164 100

162 96.9 80.6 121.0

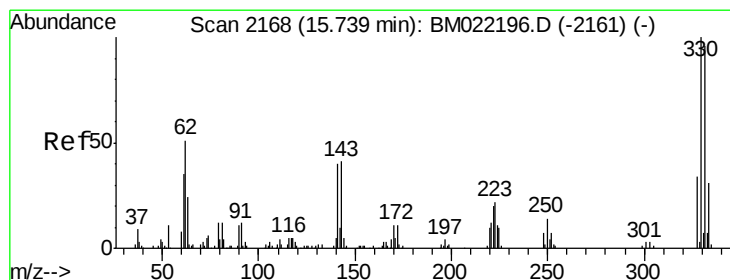
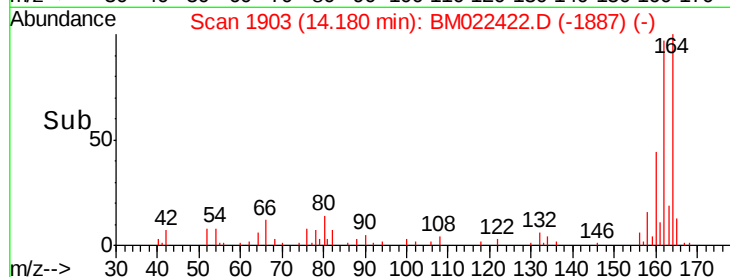
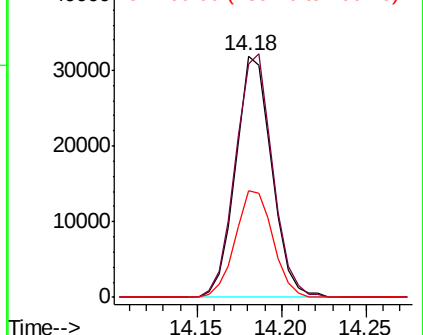
160 44.0 37.3 55.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 77.470 ng

RT: 15.70 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BM022422.D

Acq: 29 Aug 2019 23:49

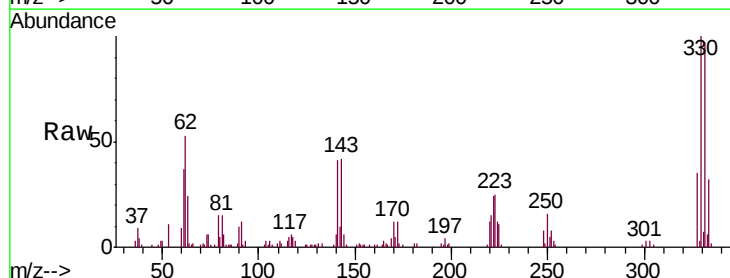
Tgt Ion:330 Resp: 75133

Ion Ratio Lower Upper

330 100

332 97.3 77.8 116.8

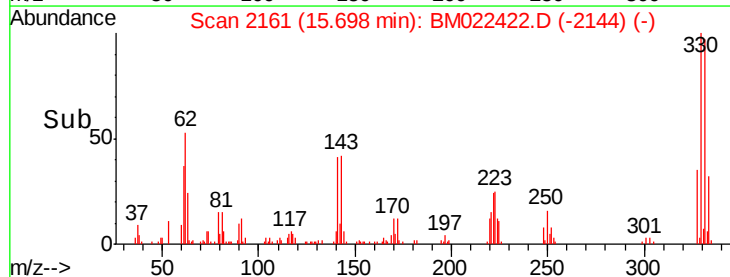
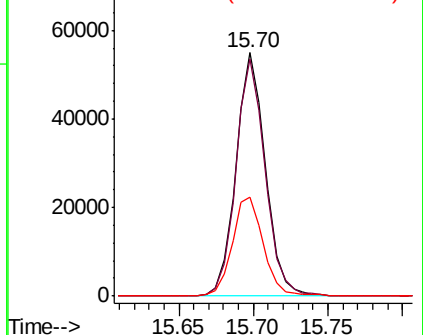
141 43.4 35.6 53.4

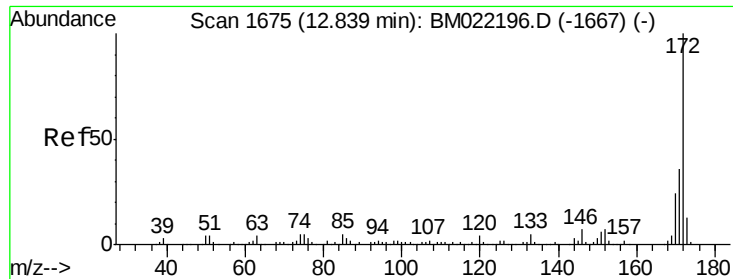


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

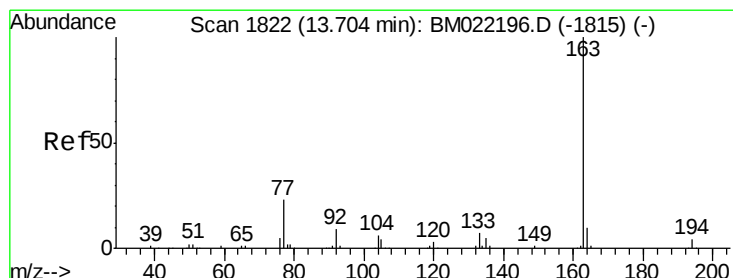
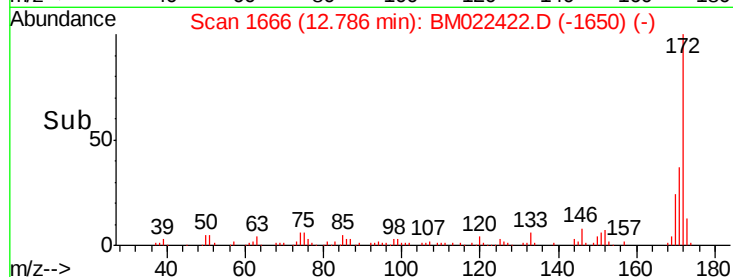
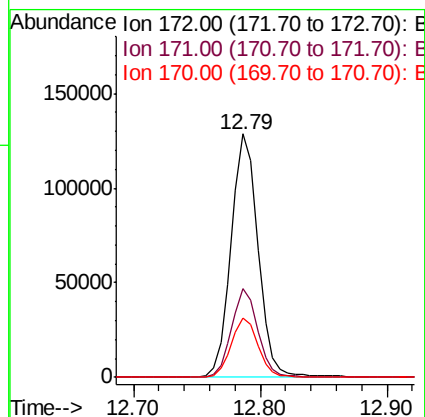
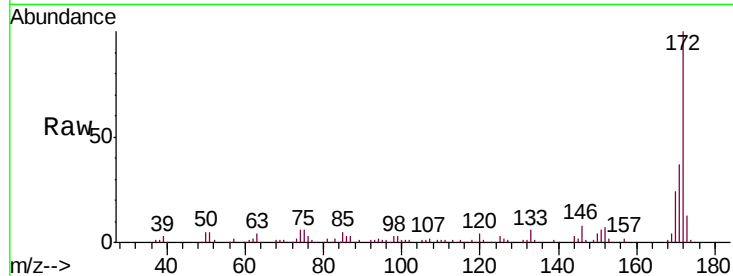




#45
2-Fluorobiphenyl
Concen: 45.077 ng
RT: 12.79 min Scan# 1666
Delta R.T. -0.01 min
Lab File: BM022422.D
Acq: 29 Aug 2019 23:49

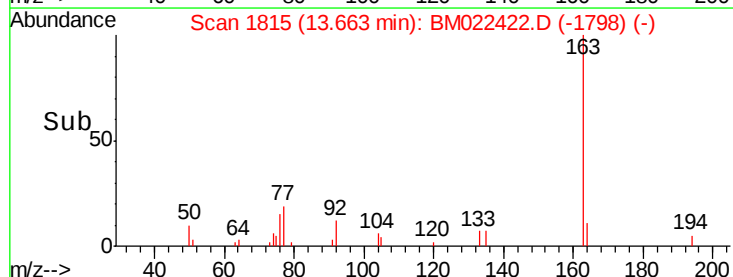
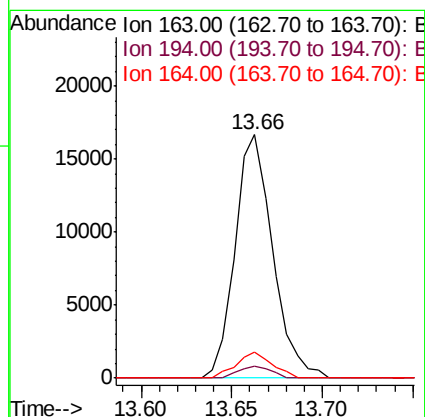
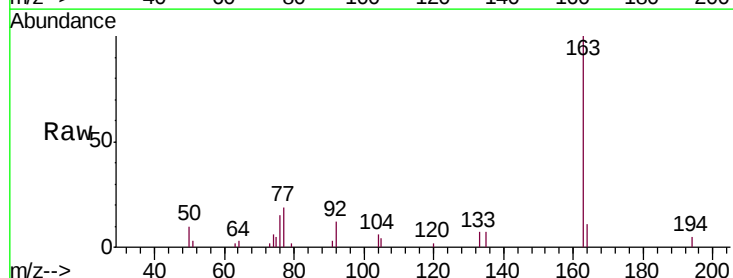
Instrument :
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ClientSampleId :
S-2-(5-7)

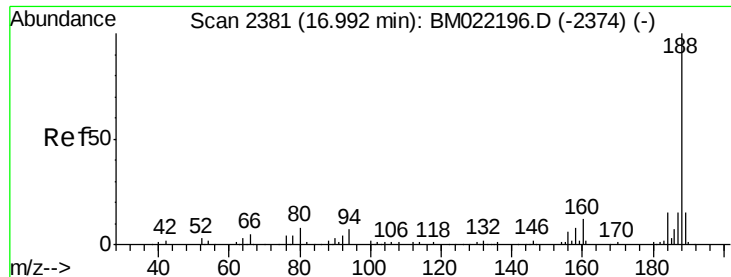
Tgt Ion:	172	Resp:	188590
Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.5	42.7
170	24.3	18.9	28.3



#50
Dimethylphthalate
Concen: 5.835 ng
RT: 13.66 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BM022422.D
Acq: 29 Aug 2019 23:49

Tgt Ion:	163	Resp:	24053
Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.4	5.2
164	10.6	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: BM022422.D

Acq: 29 Aug 2019 23:49

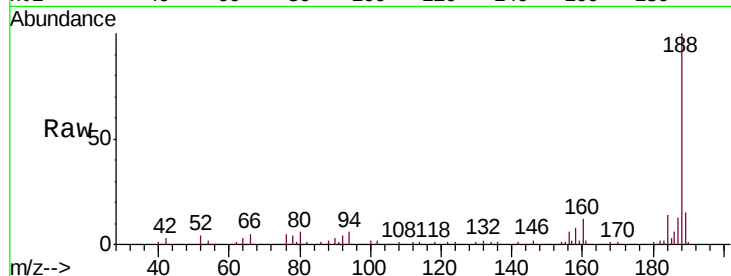
Instrument :

BNA_M

ClientSampleId :

S-2-(5-7)

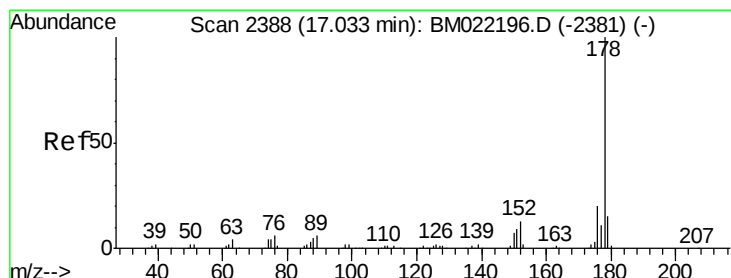
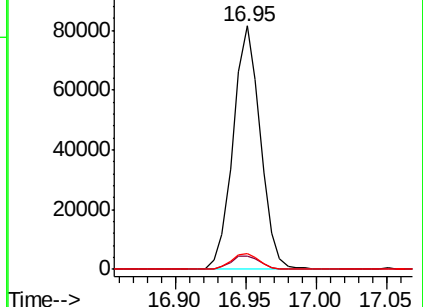
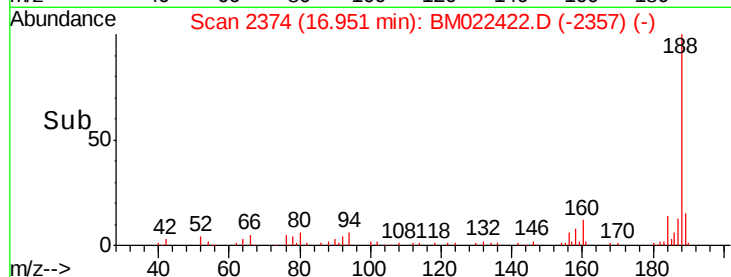
Tgt Ion:	188	Resp:	109587
Ion	Ratio	Lower	Upper
188	100		
94	5.5	4.4	6.6
80	6.4	5.0	7.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 8.098 ng

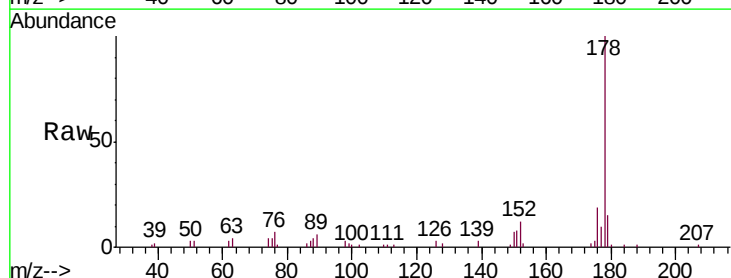
RT: 16.99 min Scan# 2381

Delta R.T. -0.01 min

Lab File: BM022422.D

Acq: 29 Aug 2019 23:49

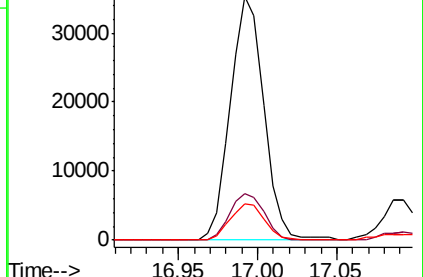
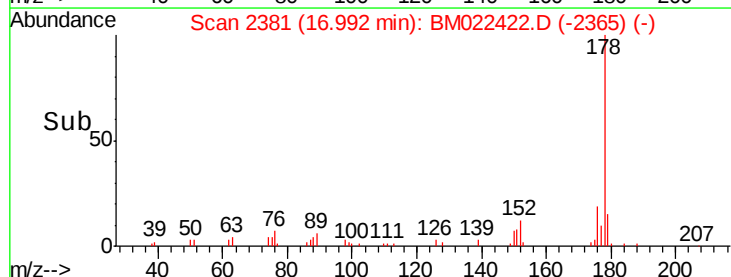
Tgt Ion:	178	Resp:	51727
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	14.7	12.3	18.5

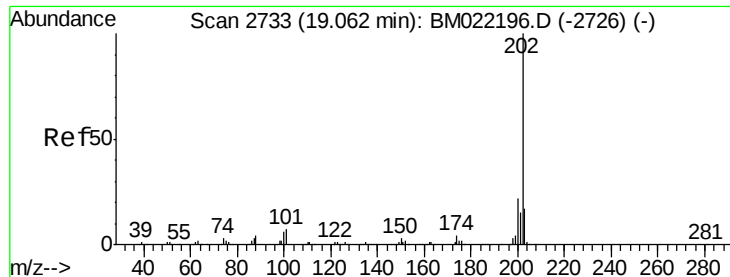


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 9.198 ng

RT: 19.02 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM022422.D

Acq: 29 Aug 2019 23:49

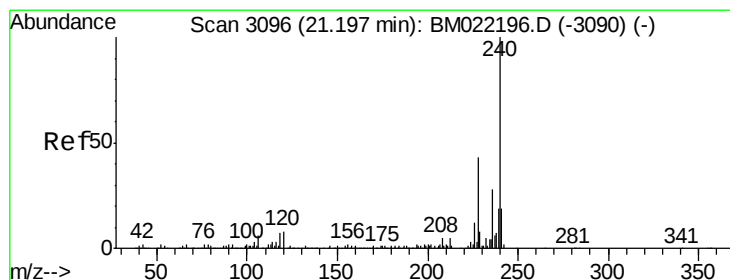
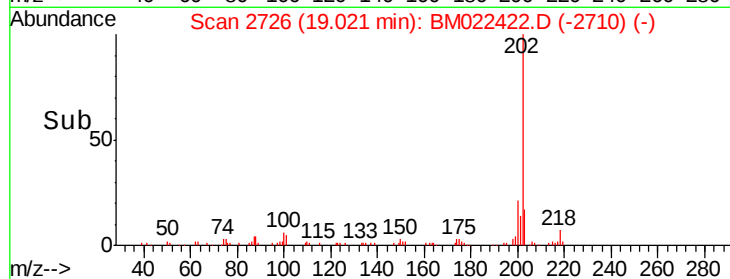
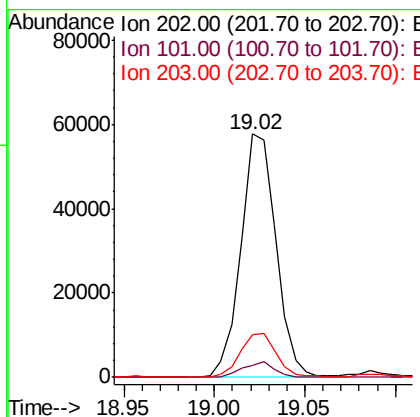
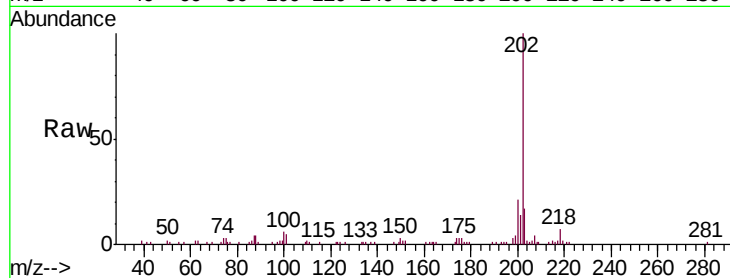
Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:	202	Resp:	78242
Ion	Ratio	Lower	Upper
202	100		
101	5.0	0.0	25.1
203	17.3	0.0	37.1



#76

Chrysene-d12

Concen: 20.000 ng

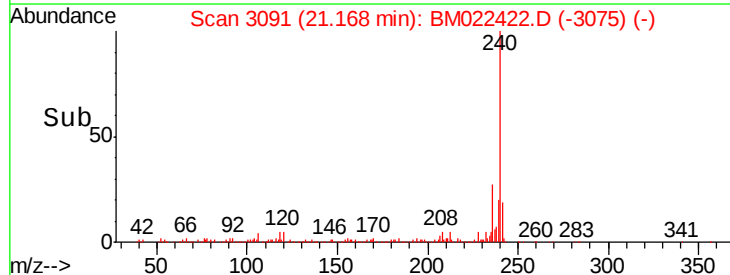
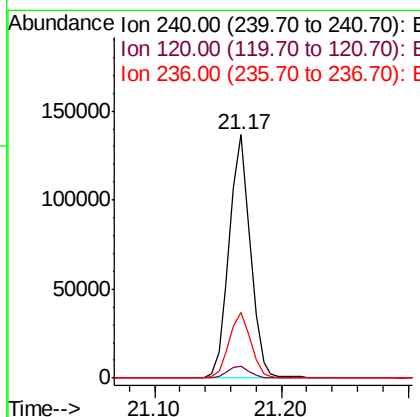
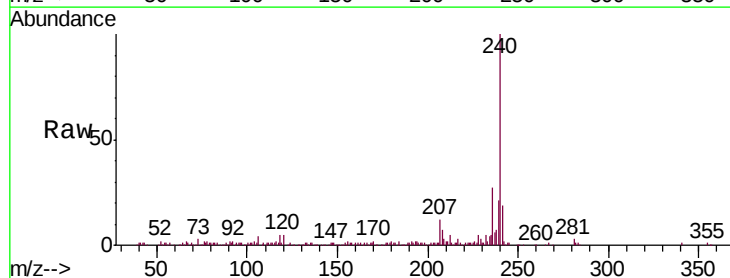
RT: 21.17 min Scan# 3091

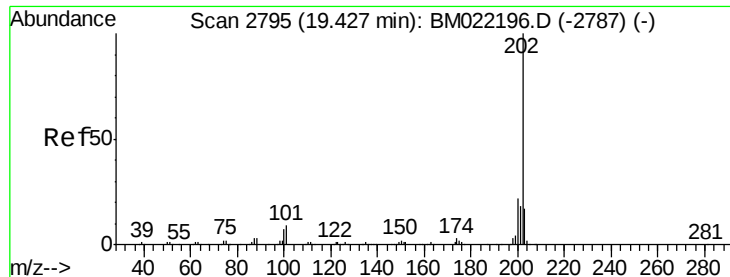
Delta R.T. -0.01 min

Lab File: BM022422.D

Acq: 29 Aug 2019 23:49

Tgt Ion:	240	Resp:	158654
Ion	Ratio	Lower	Upper
240	100		
120	4.9	3.9	5.9
236	26.8	21.4	32.2

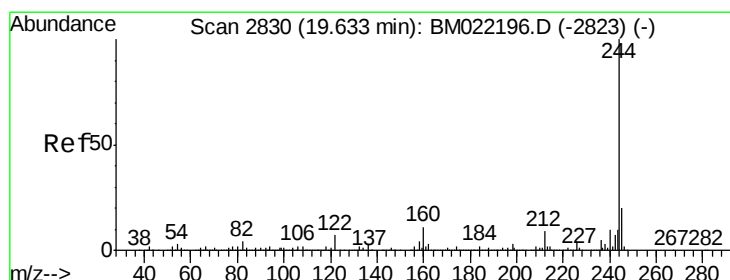
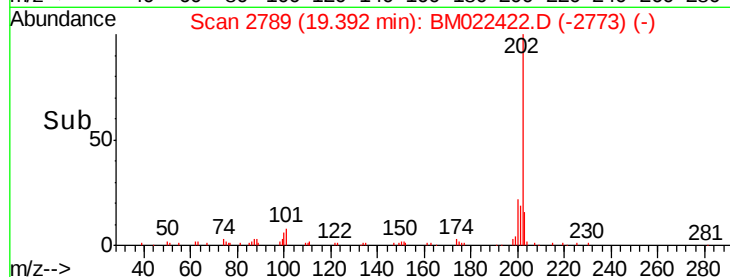
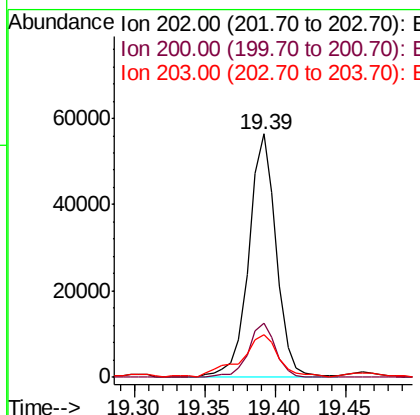
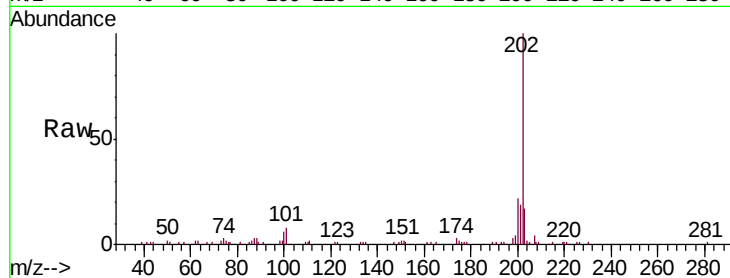




#78
 Pyrene
 Concen: 7.154 ng
 RT: 19.39 min Scan# 2789
 Delta R.T. -0.01 min
 Lab File: BM022422.D
 Acq: 29 Aug 2019 23:49

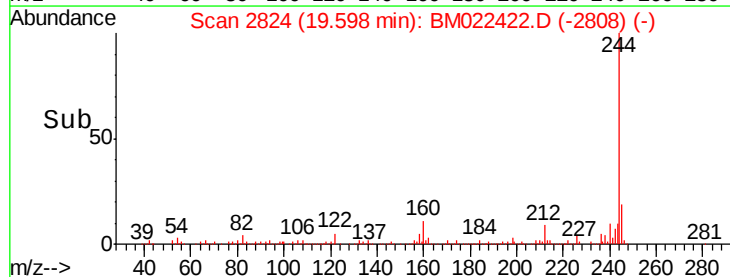
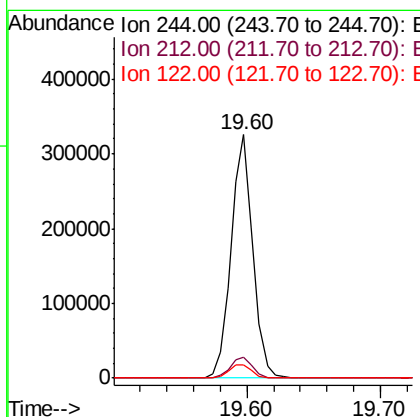
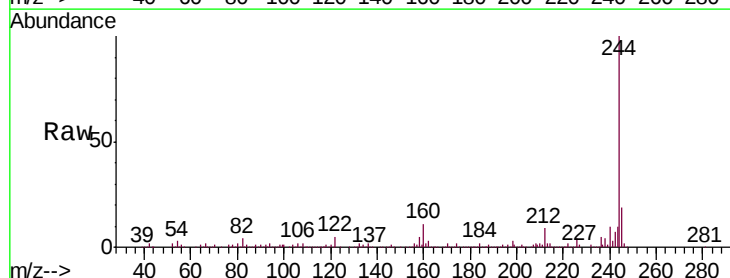
Instrument :
 BNA_M
 ClientSampleId :
 S-2-(5-7)

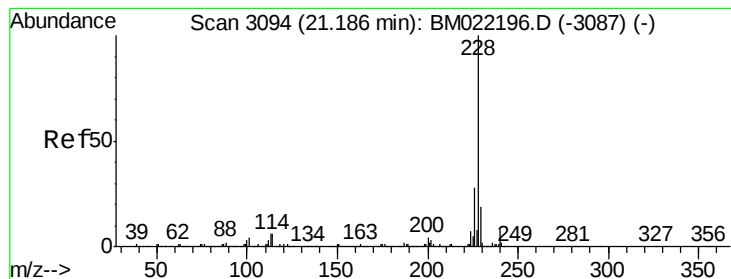
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.7	26.5
203	17.4	13.8	20.8



#79
 Terphenyl-d14
 Concen: 30.694 ng
 RT: 19.60 min Scan# 2824
 Delta R.T. -0.01 min
 Lab File: BM022422.D
 Acq: 29 Aug 2019 23:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.0	10.4
122	5.3	3.9	5.9





#81

Benzo(a)anthracene

Concen: 3.879 ng

RT: 21.20 min Scan# 3097

Delta R.T. 0.05 min

Lab File: BM022422.D

Acq: 29 Aug 2019 23:49

Instrument :

BNA_M

ClientSampleId :

S-2-(5-7)

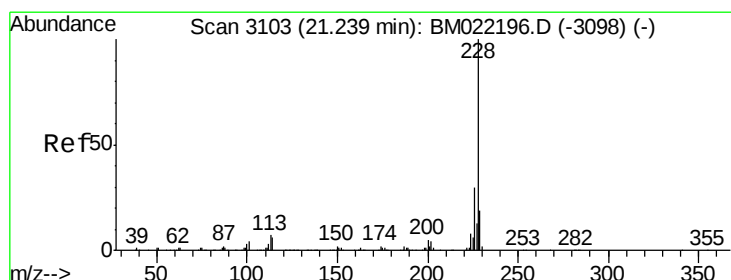
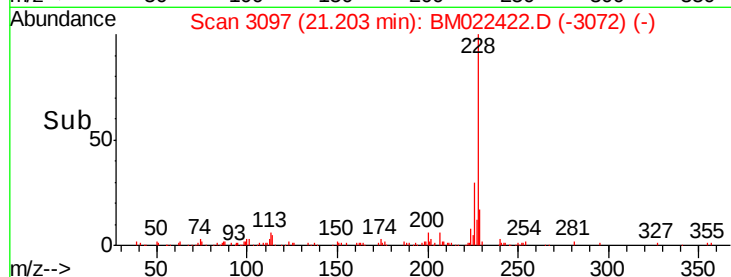
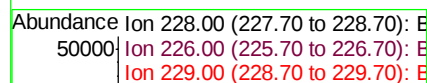
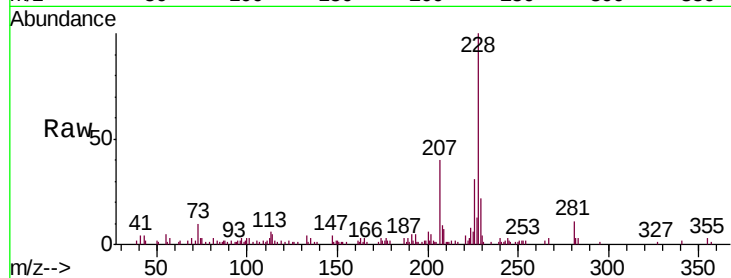
Tgt Ion:228 Resp: 44170

Ion Ratio Lower Upper

228 100

226 30.7 22.6 34.0

229 22.5 15.9 23.9



#83

Chrysene

Concen: 4.471 ng

RT: 21.20 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM022422.D

Acq: 29 Aug 2019 23:49

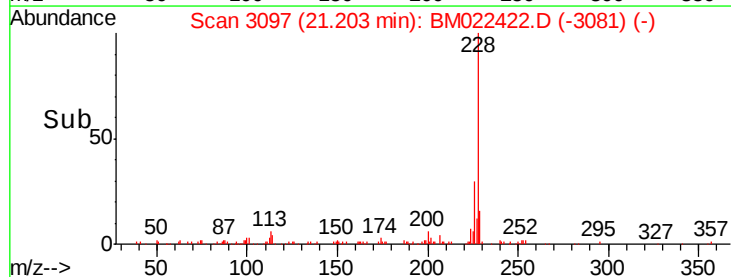
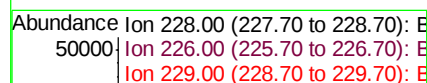
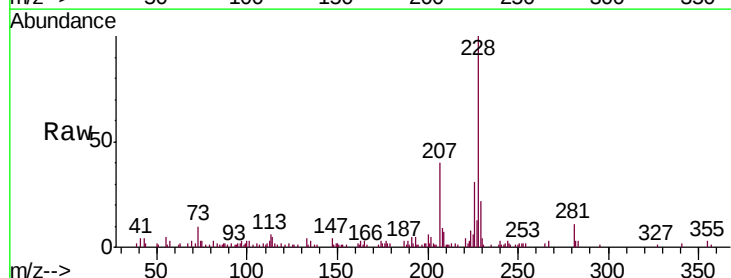
Tgt Ion:228 Resp: 48466

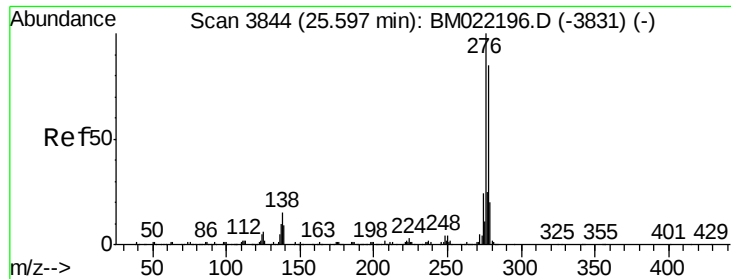
Ion Ratio Lower Upper

228 100

226 30.7 24.5 36.7

229 22.5 15.7 23.5

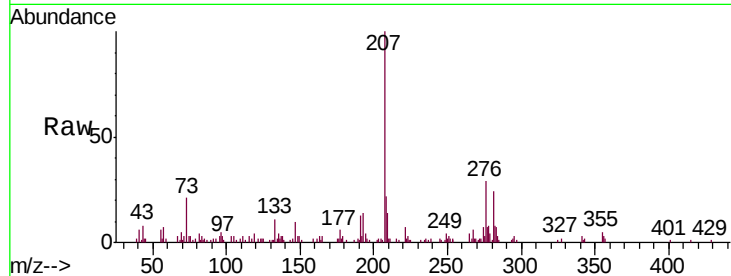




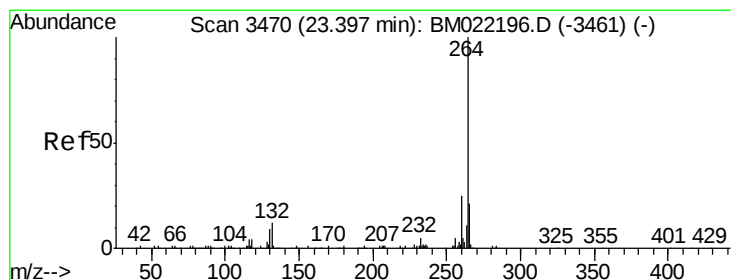
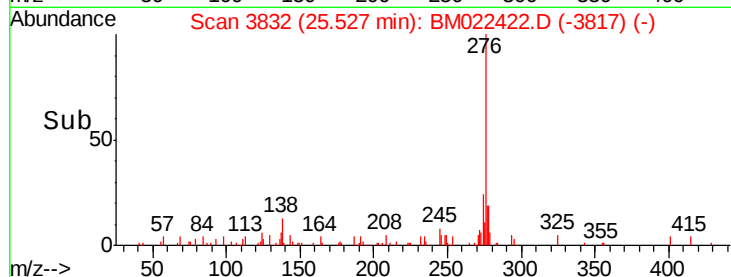
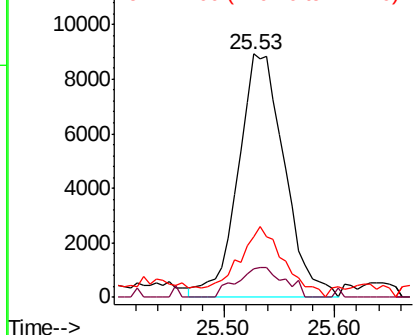
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.414 ng
 RT: 25.53 min Scan# 3832
 Delta R.T. -0.01 min
 Lab File: BM022422.D
 Acq: 29 Aug 2019 23:49

Instrument :
 BNA_M
 ClientSampleId :
 S-2-(5-7)

Tgt Ion: 276 Resp: 26323
 Ion Ratio Lower Upper
 276 100
 138 12.5 9.1 13.7
 277 28.8 20.0 30.0

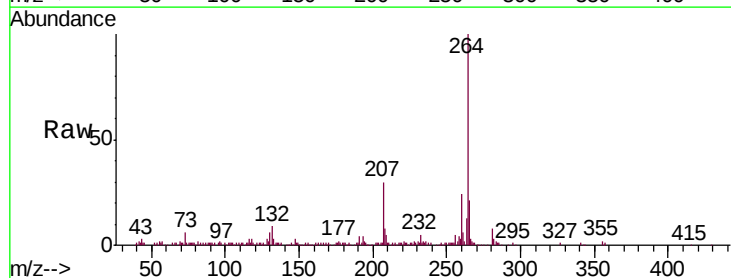


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

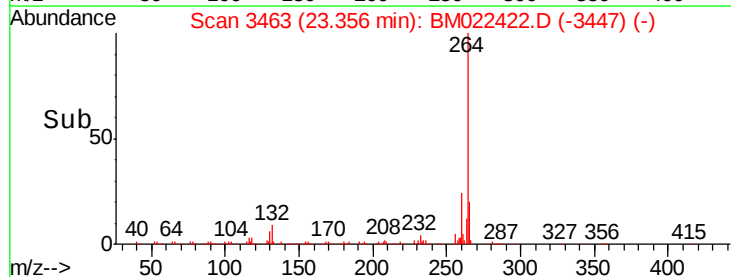
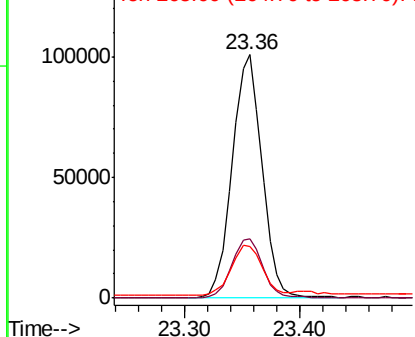


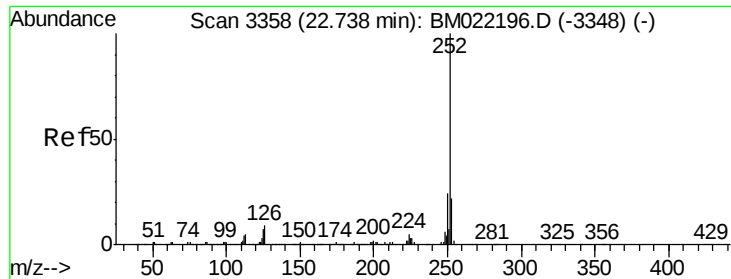
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.36 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BM022422.D
 Acq: 29 Aug 2019 23:49

Tgt Ion: 264 Resp: 180860
 Ion Ratio Lower Upper
 264 100
 260 24.4 20.2 30.2
 265 21.4 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

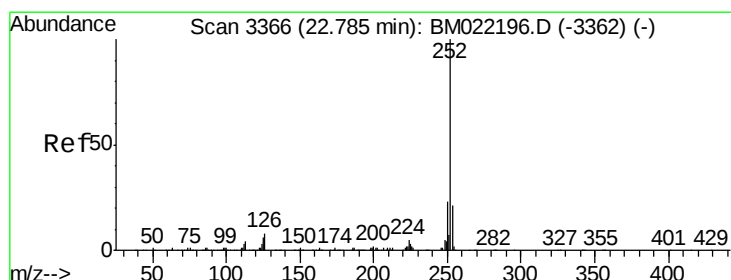
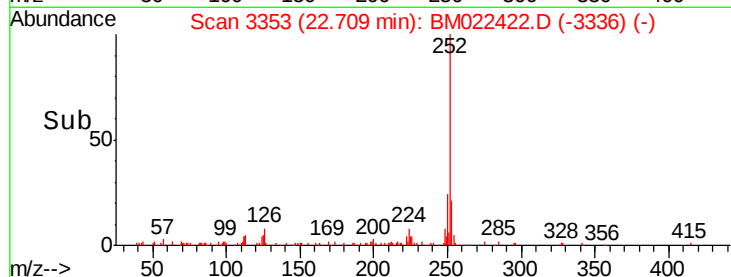
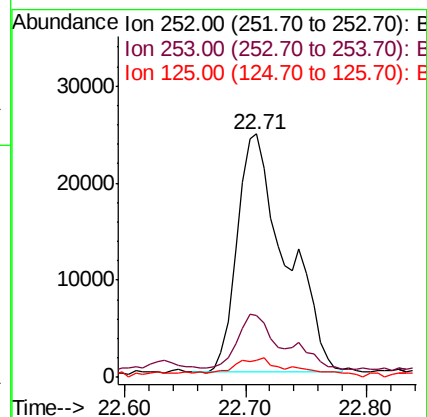
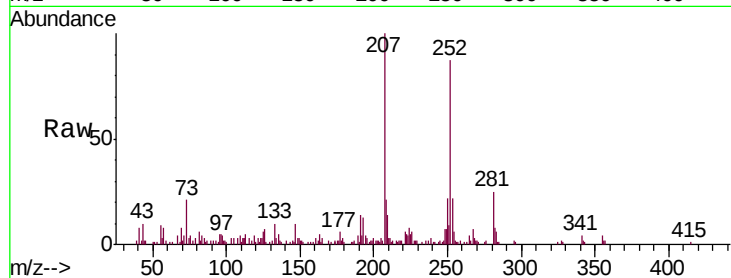




#88
Benzo(b)fluoranthene
Concen: 5.445 ng
RT: 22.71 min Scan# 3353
Delta R.T. -0.00 min
Lab File: BM022422.D
Acq: 29 Aug 2019 23:49

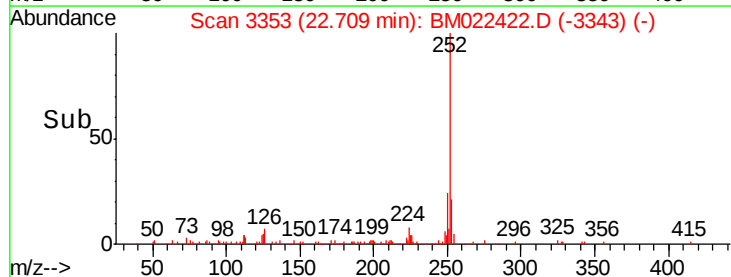
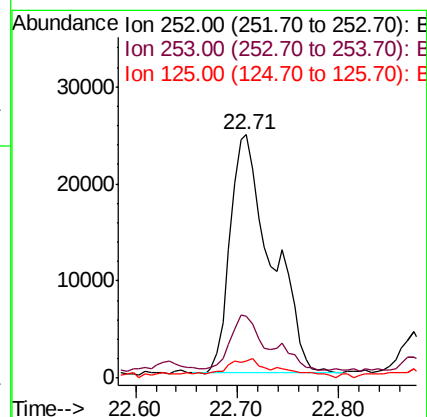
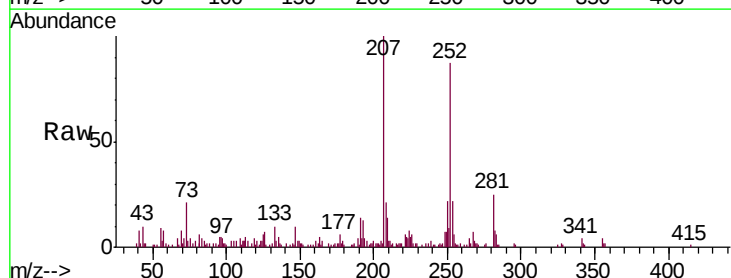
Instrument :
BNA_M
ClientSampleId :
S-2-(5-7)

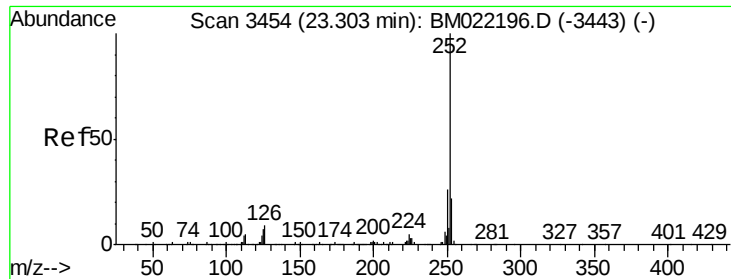
Tgt Ion: 252 Resp: 68413
Ion Ratio Lower Upper
252 100
253 25.2 17.9 26.9
125 6.8 3.5 5.3#



#89
Benzo(k)fluoranthene
Concen: 5.502 ng
RT: 22.71 min Scan# 3353
Delta R.T. -0.04 min
Lab File: BM022422.D
Acq: 29 Aug 2019 23:49

Tgt Ion: 252 Resp: 68576
Ion Ratio Lower Upper
252 100
253 25.2 17.0 25.4
125 6.8 3.7 5.5#





#90

Benzo(a)pyrene

Concen: 3.288 ng

RT: 23.26 min Scan# 3447

Delta R.T. -0.01 min

Lab File: BM022422.D

Acq: 29 Aug 2019 23:49

Instrument :

BNA_M

ClientSampleId :

S-2-(5-7)

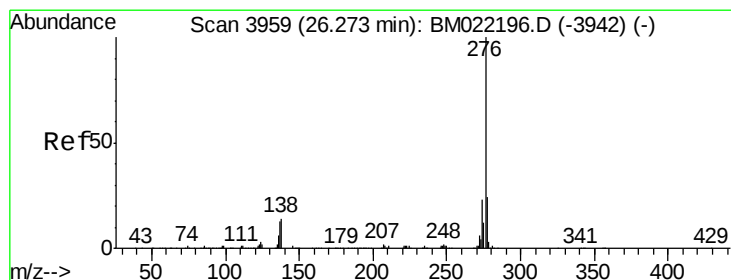
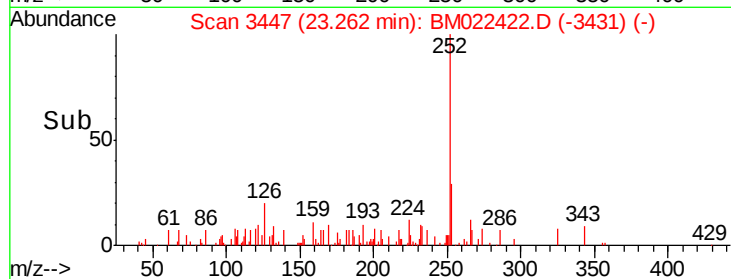
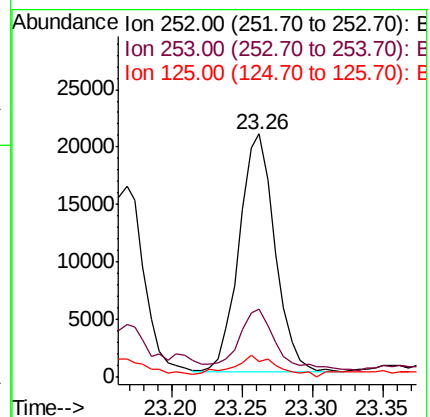
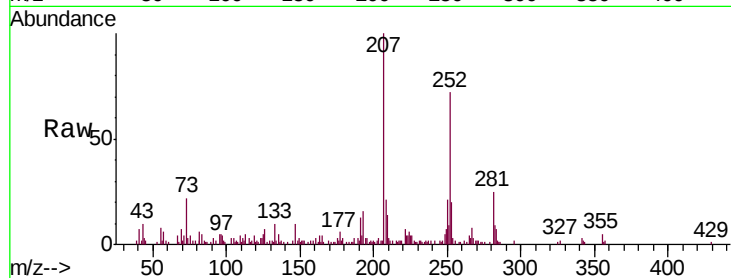
Tgt Ion:252 Resp: 36666

Ion Ratio Lower Upper

252 100

253 28.3 18.2 27.2#

125 6.4 3.8 5.8#



#92

Benzo(g,h,i)perylene

Concen: 2.787 ng

RT: 26.20 min Scan# 3947

Delta R.T. -0.01 min

Lab File: BM022422.D

Acq: 29 Aug 2019 23:49

Tgt Ion:276 Resp: 27016

Ion Ratio Lower Upper

276 100

277 26.3 19.4 29.0

138 15.8 8.8 13.2#

