

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
 Data File : BM022425.D
 Acq On : 30 Aug 2019 01:38
 Operator : HP/JU
 Sample : K4439-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S-3-(1-3)

Quant Time: Aug 30 08:49:07 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	15702	20.00	ng	0.00
21) Naphthalene-d8	10.30	136	56276	20.00	ng	0.00
39) Acenaphthene-d10	14.19	164	35305	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	79558	20.00	ng	0.00
76) Chrysene-d12	21.17	240	120880	20.00	ng	0.00
87) Perylene-d12	23.35	264	149586	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.15	112	43306	48.41	ng	0.00
7) Phenol-d6	6.72	99	60411	50.50	ng	0.00
23) Nitrobenzene-d5	8.70	82	39799	30.98	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	20691	28.64	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	80262	25.75	ng	0.00
79) Terphenyl-d14	19.60	244	189606	20.70	ng	0.00

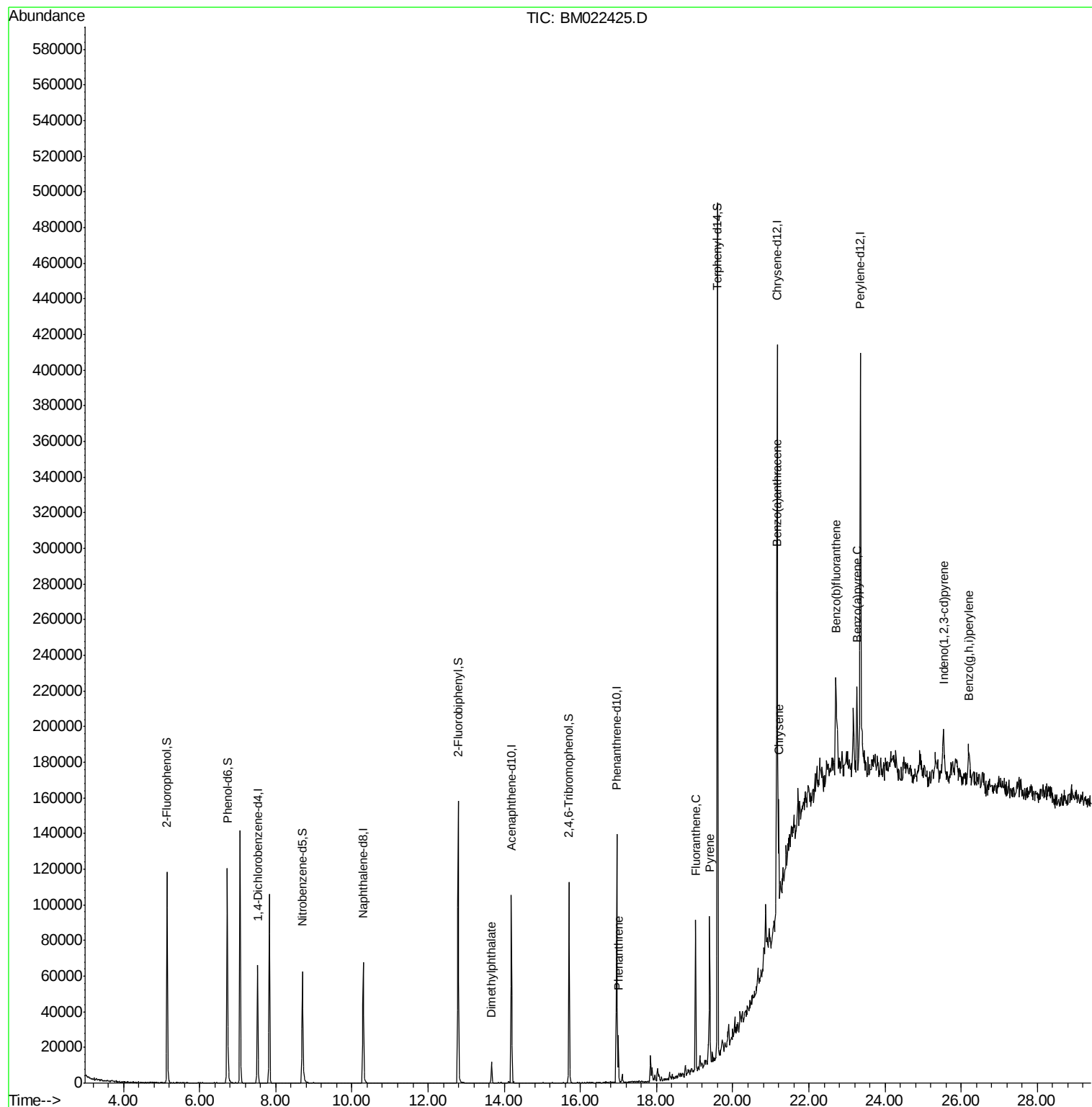
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.67	163	9868	3.214	ng	# 95
71) Phenanthrene	17.00	178	15734	3.393	ng	98
75) Fluoranthene	19.03	202	45836	7.422	ng	97
78) Pyrene	19.39	202	48914	5.938	ng	97
81) Benzo(a)anthracene	21.15	228	31807	3.666	ng	97
83) Chrysene	21.20	228	28073	3.399	ng	95
86) Indeno(1,2,3-cd)pyrene	25.54	276	21211	2.553	ng	# 92
88) Benzo(b)fluoranthene	22.70	252	37716	3.629	ng	# 95
90) Benzo(a)pyrene	23.26	252	29807	3.232	ng	# 93
92) Benzo(g,h,i)perylene	26.21	276	21938	2.737	ng	96

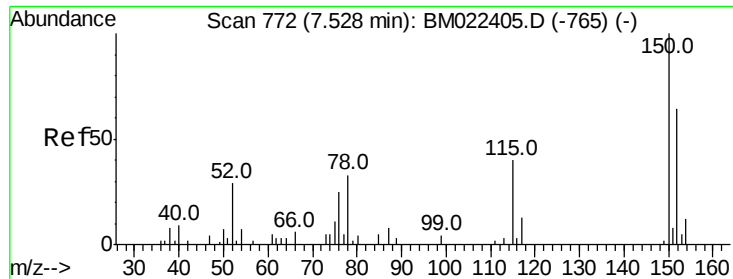
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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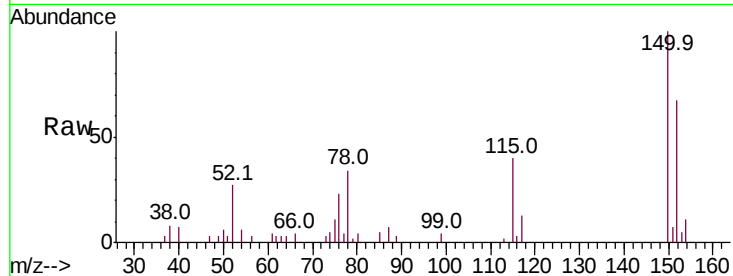


#1

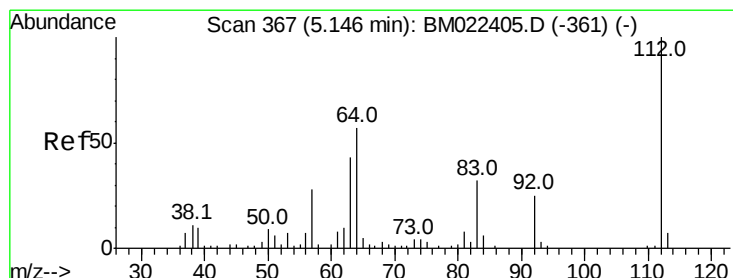
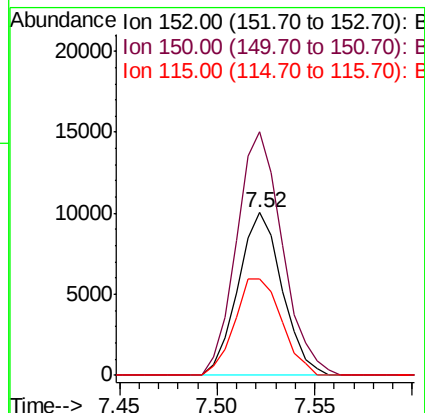
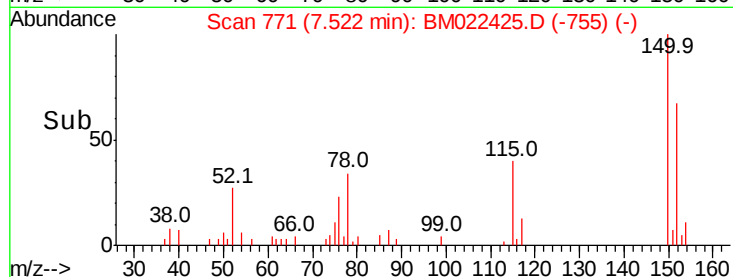
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.52 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BM022425.D
 Acq: 30 Aug 2019 01:38

Instrument :
 BNA_M
 ClientSampleId :
 S-3-(1-3)

Tot Ion:152 Resp: 15702
 Ion Ratio Lower Upper
 152 100
 150 149.9 125.4 188.0
 115 59.5 50.3 75.5



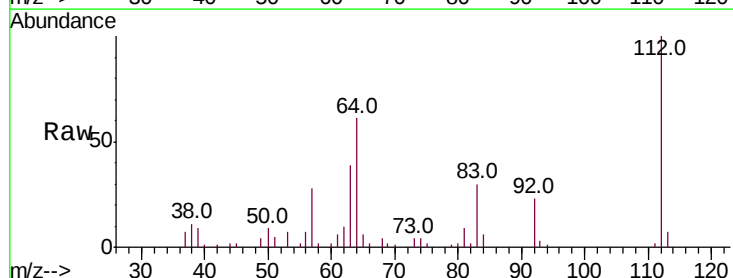
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



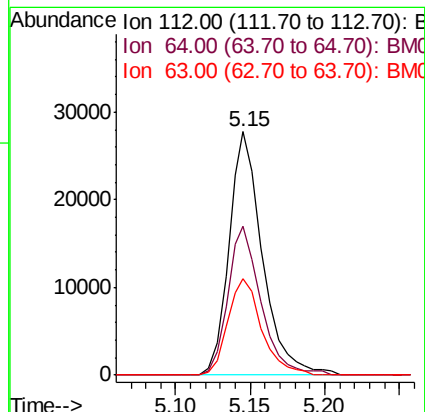
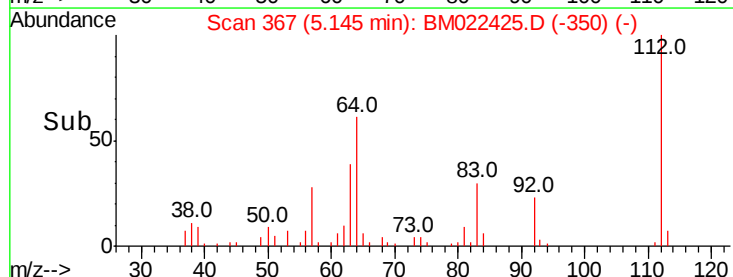
#5

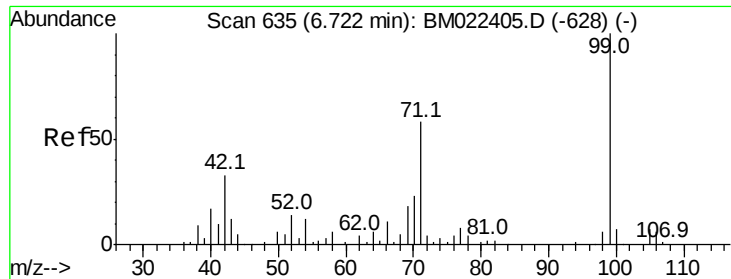
2-Fluorophenol
 Concen: 48.412 ng
 RT: 5.15 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: BM022425.D
 Acq: 30 Aug 2019 01:38

Tgt Ion:112 Resp: 43306
 Ion Ratio Lower Upper
 112 100
 64 61.3 45.4 68.2
 63 39.4 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: 50.501 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022425.D

Acq: 30 Aug 2019 01:38

Instrument :

BNA_M

ClientSampled :

S-3-(1-3)

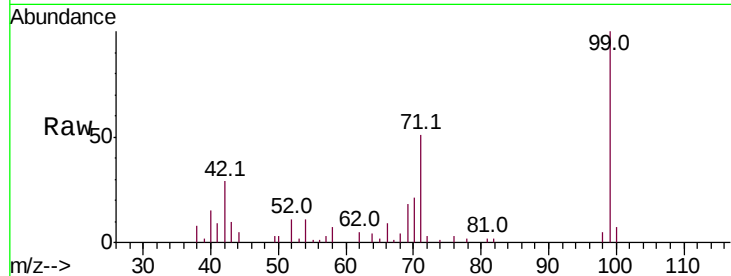
Tot Ion: 99 Resp: 60411

Ion Ratio Lower Upper

99 100

42 29.1 26.3 39.5

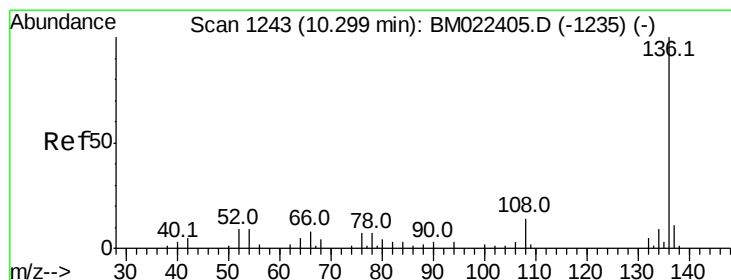
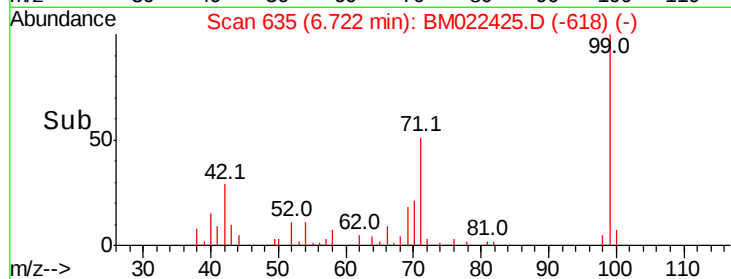
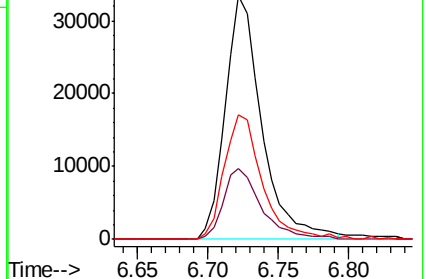
71 51.3 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022405.D (-628) (-)

Ion 42.00 (41.70 to 42.70): BM022405.D (-628) (-)

Ion 71.00 (70.70 to 71.70): BM022405.D (-628) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.30 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BM022425.D

Acq: 30 Aug 2019 01:38

Tgt Ion: 136 Resp: 56276

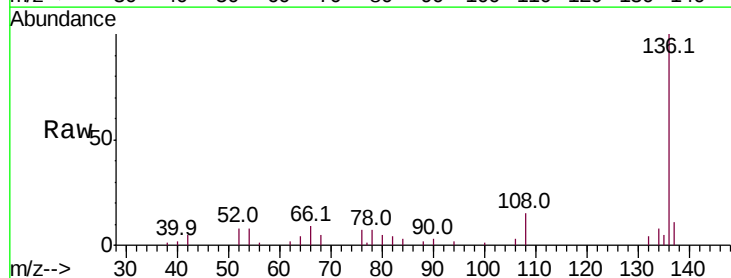
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.2 7.0 10.6

68 5.2 2.9 4.3#

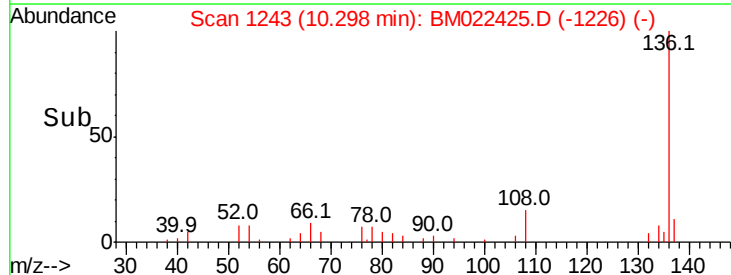
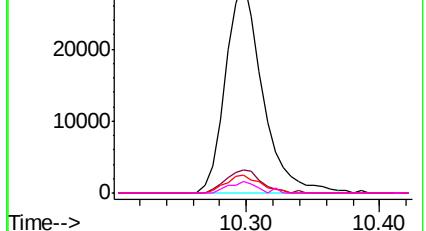


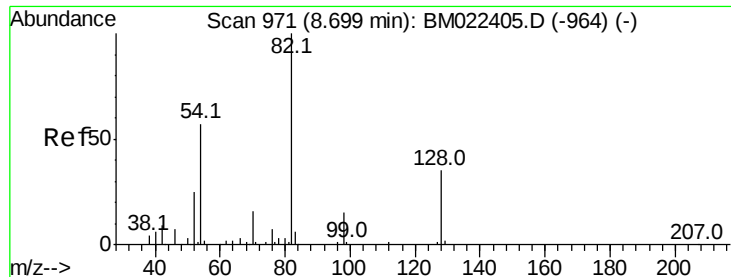
Abundance Ion 136.00 (135.70 to 136.70): BM022405.D (-1235) (-)

Ion 137.00 (136.70 to 137.70): BM022405.D (-1235) (-)

Ion 54.00 (53.70 to 54.70): BM022405.D (-1235) (-)

Ion 68.00 (67.70 to 68.70): BM022405.D (-1235) (-)





#23

Nitrobenzene-d5

Concen: 30.976 ng

RT: 8.70 min Scan# 971

Delta R.T. -0.00 min

Lab File: BM022425.D

Acq: 30 Aug 2019 01:38

Instrument :

BNA_M

ClientSampleId :

S-3-(1-3)

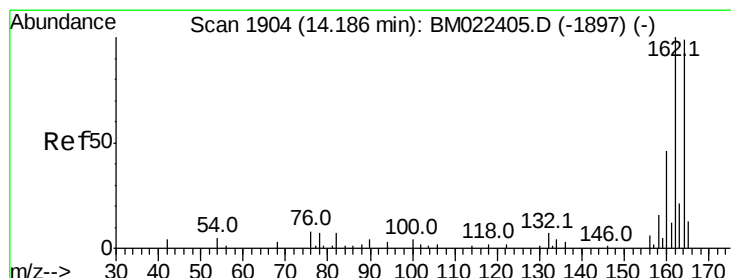
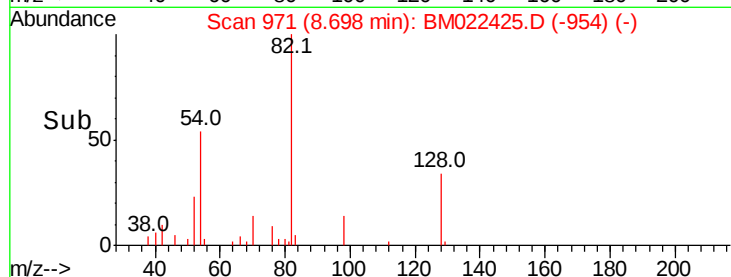
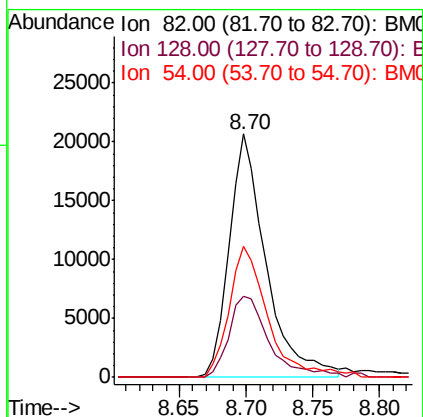
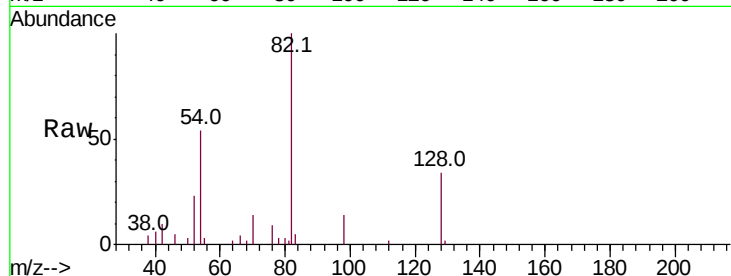
Tot Ion: 82 Resp: 39799

Ion Ratio Lower Upper

82 100

128 33.5 27.9 41.9

54 54.1 45.2 67.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.19 min Scan# 1904

Delta R.T. -0.00 min

Lab File: BM022425.D

Acq: 30 Aug 2019 01:38

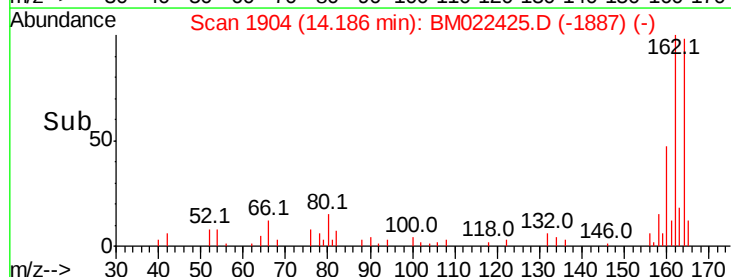
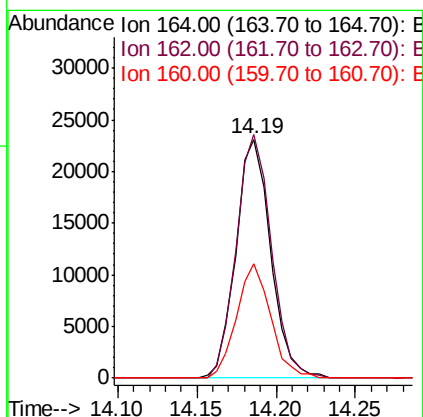
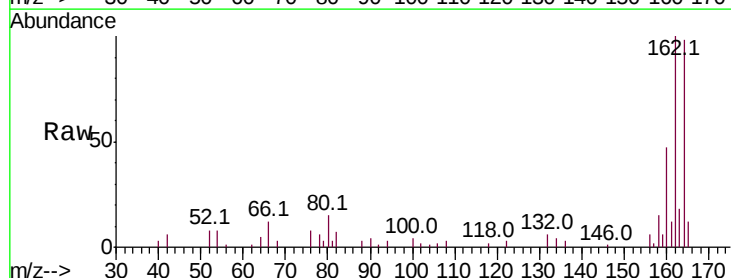
Tgt Ion: 164 Resp: 35305

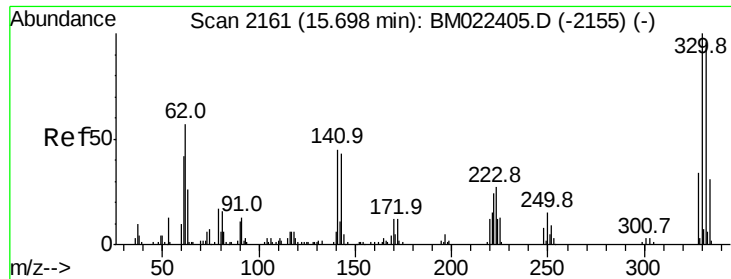
Ion Ratio Lower Upper

164 100

162 101.8 80.6 121.0

160 48.0 37.3 55.9

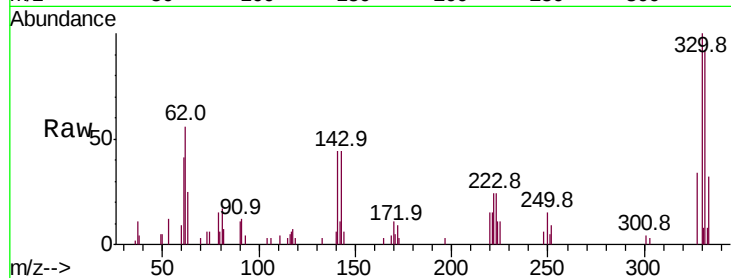




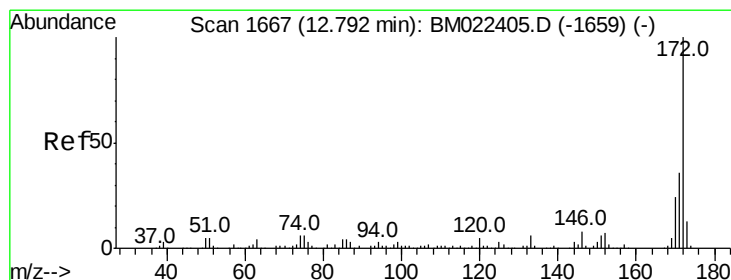
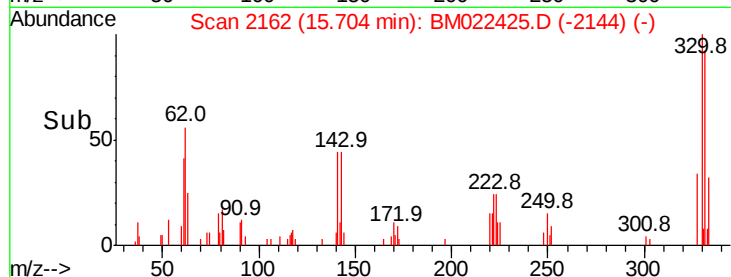
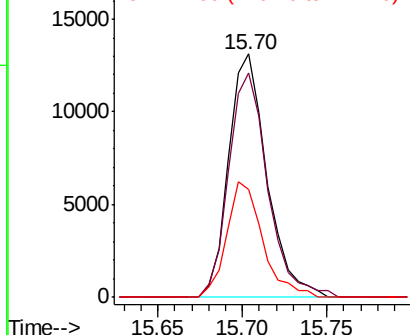
#42
 2,4,6-Tribromophenol
 Concen: 28.641 ng
 RT: 15.70 min Scan# 2162
 Delta R.T. 0.01 min
 Lab File: BM022425.D
 Acq: 30 Aug 2019 01:38

Instrument :
 BNA_M
 ClientSampleId :
 S-3-(1-3)

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.8	116.8
141	44.6	35.6	53.4

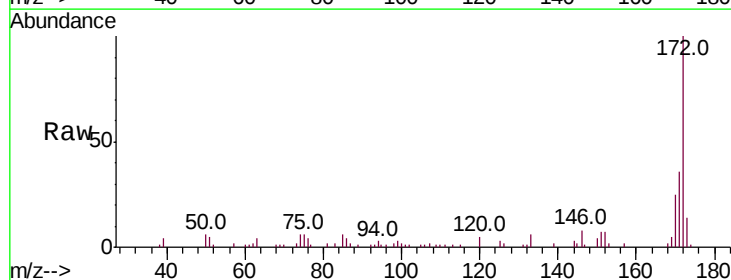


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

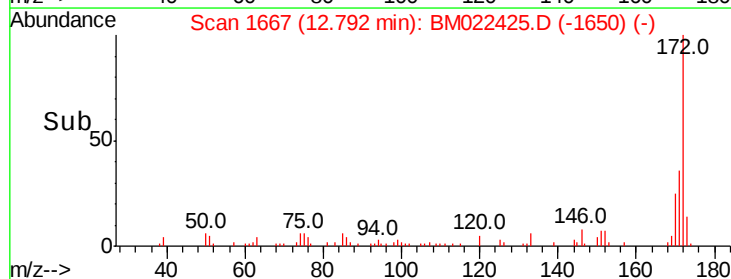
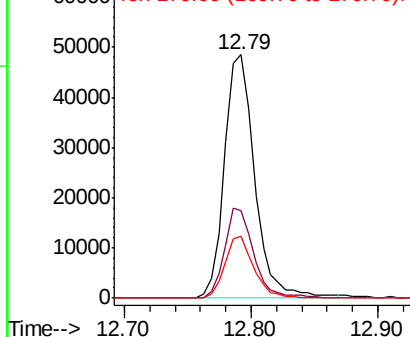


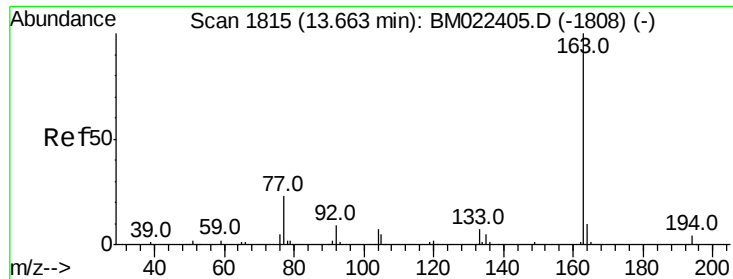
#45
 2-Fluorobiphenyl
 Concen: 25.754 ng
 RT: 12.79 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: BM022425.D
 Acq: 30 Aug 2019 01:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.5	42.7
170	25.2	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: 3.214 ng

RT: 13.67 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BM022425.D

Acq: 30 Aug 2019 01:38

Instrument :

BNA_M

ClientSampleId :

S-3-(1-3)

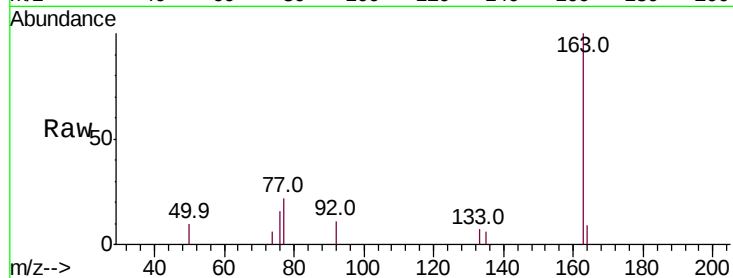
Tot Ion:163 Resp: 9868

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

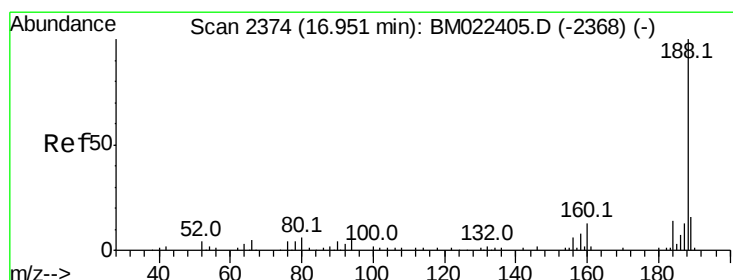
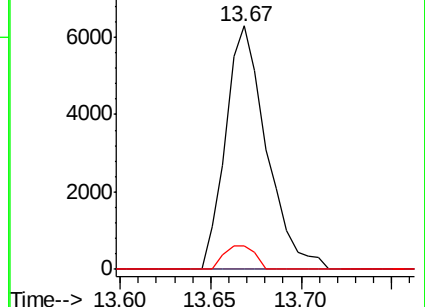
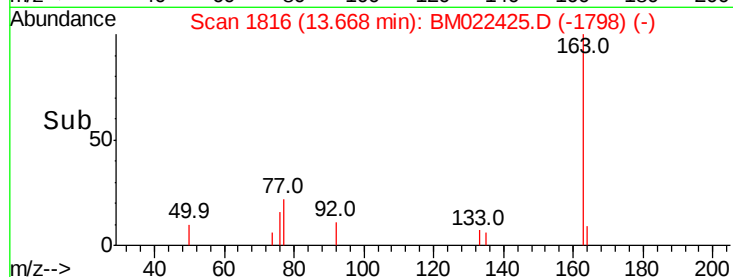
164 9.4 8.2 12.2



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: BM022425.D

Acq: 30 Aug 2019 01:38

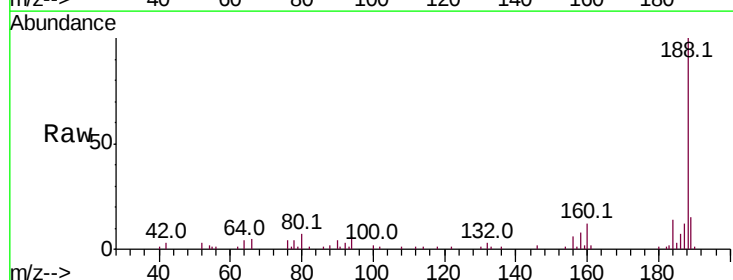
Tgt Ion:188 Resp: 79558

Ion Ratio Lower Upper

188 100

94 5.5 4.4 6.6

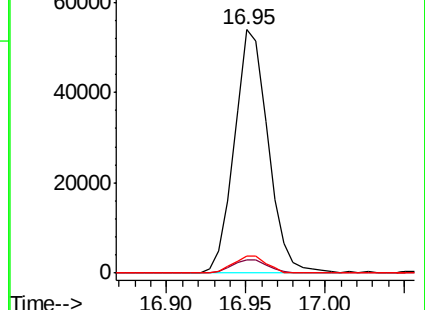
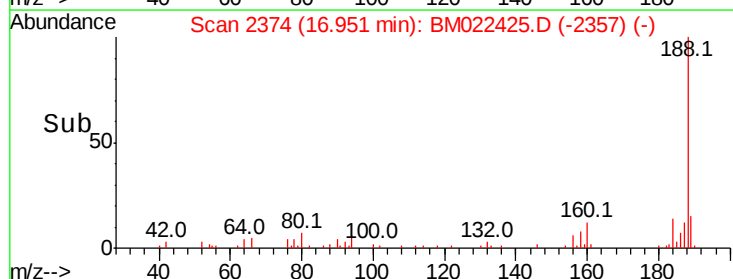
80 7.2 5.0 7.6

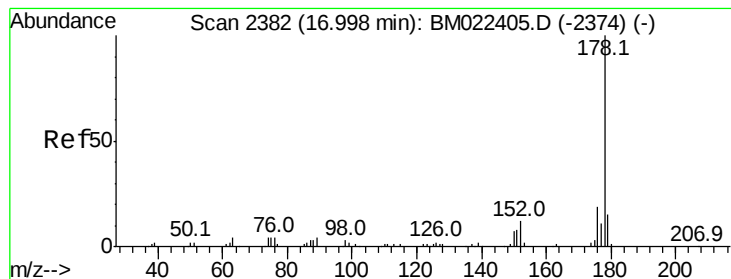


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM





#71

Phenanthrene

Concen: 3.393 ng

RT: 17.00 min Scan# 2382

Delta R.T. -0.00 min

Lab File: BM022425.D

Acq: 30 Aug 2019 01:38

Instrument :

BNA_M

ClientSampleId :

S-3-(1-3)

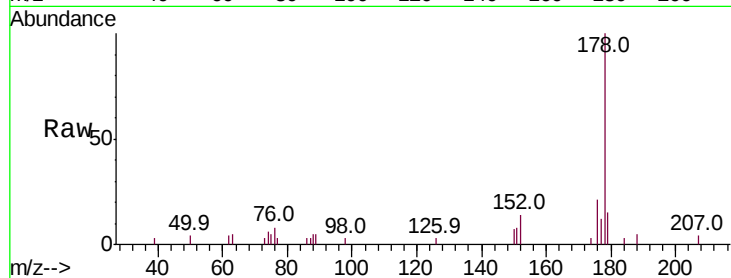
Tot Ion:178 Resp: 15734

Ion Ratio Lower Upper

178 100

176 20.8 15.4 23.2

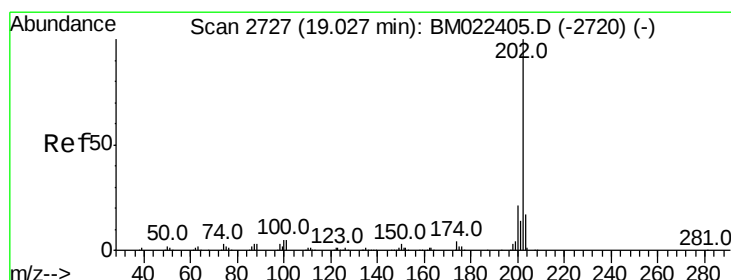
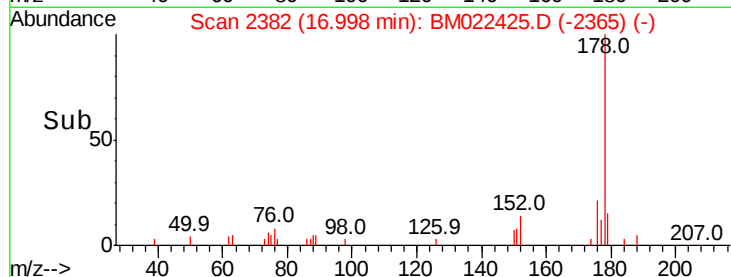
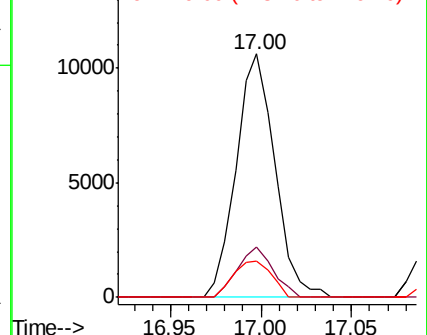
179 15.1 12.3 18.5



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: 7.422 ng

RT: 19.03 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM022425.D

Acq: 30 Aug 2019 01:38

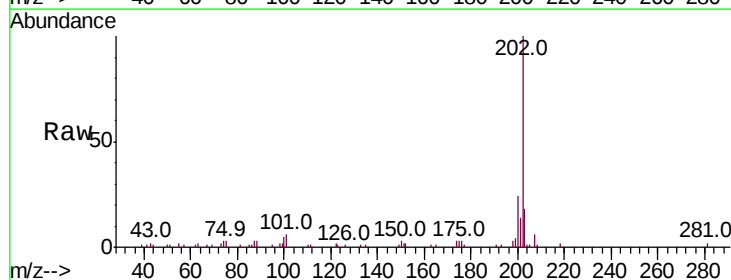
Tgt Ion:202 Resp: 45836

Ion Ratio Lower Upper

202 100

101 6.2 0.0 25.1

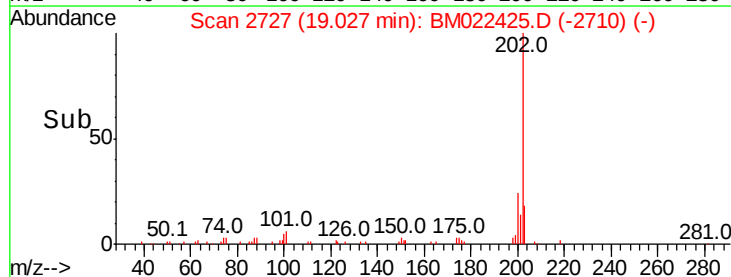
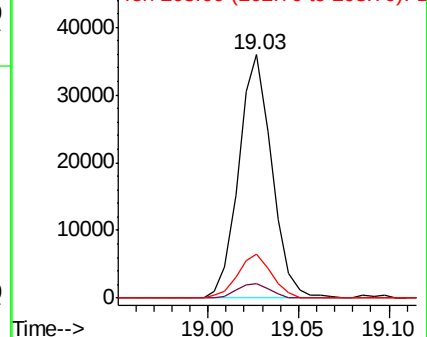
203 18.1 0.0 37.1

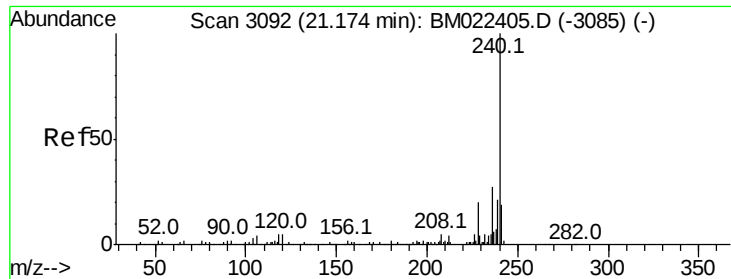


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

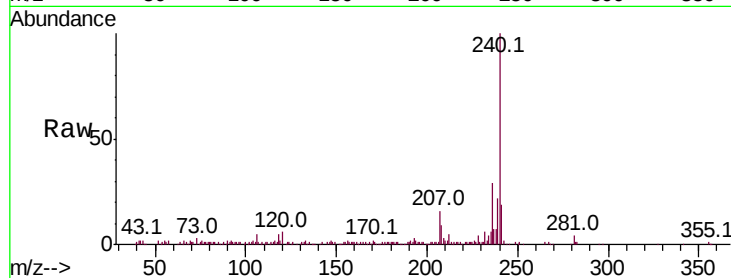




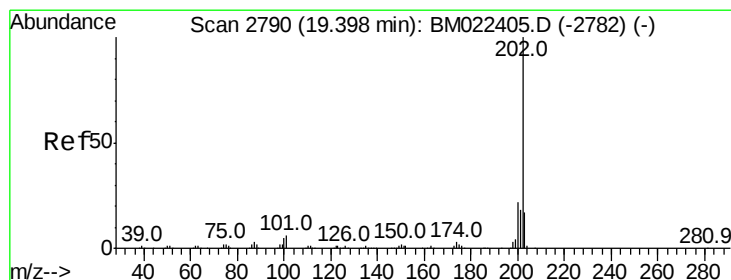
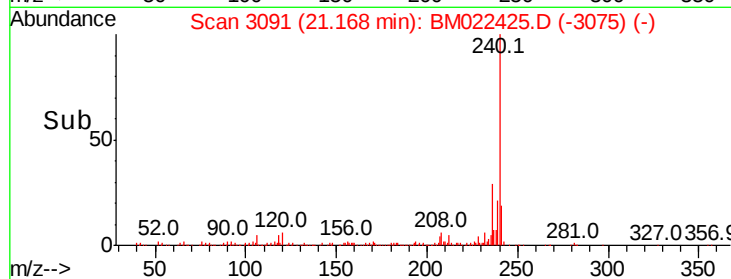
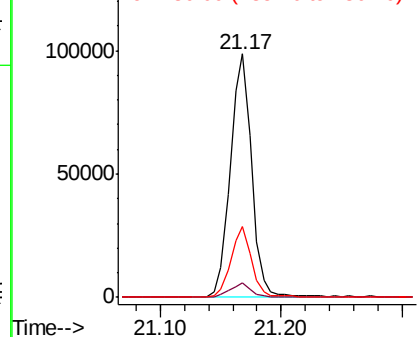
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BM022425.D
Acq: 30 Aug 2019 01:38

Instrument :
BNA_M
ClientSampled :
S-3-(1-3)

Tot Ion:240 Resp: 120880
Ion Ratio Lower Upper
240 100
120 5.7 3.9 5.9
236 29.1 21.4 32.2

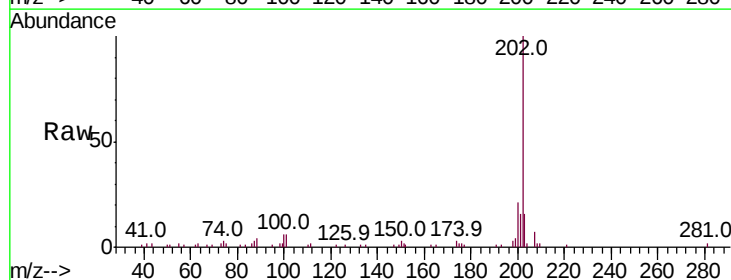


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

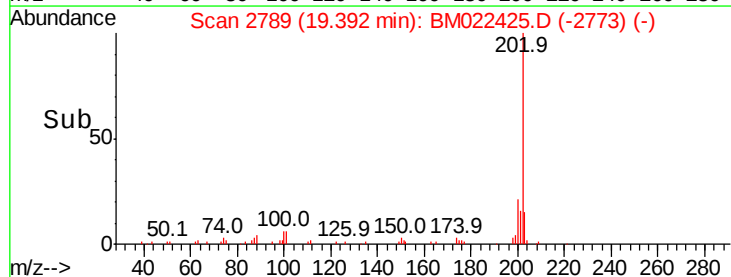
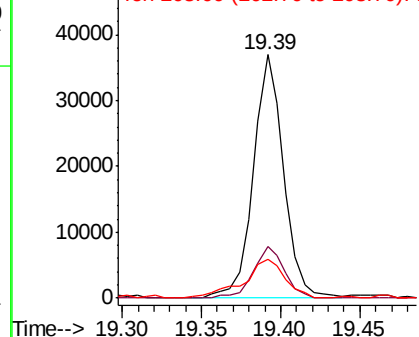


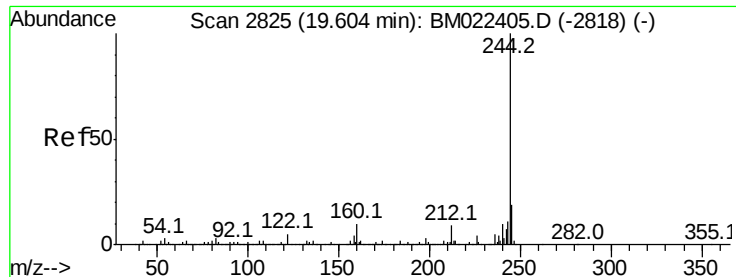
#78
Pyrene
Concen: 5.938 ng
RT: 19.39 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BM022425.D
Acq: 30 Aug 2019 01:38

Tgt Ion:202 Resp: 48914
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 16.0 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: 20.701 ng

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM022425.D

Acq: 30 Aug 2019 01:38

Instrument :

BNA_M

ClientSampleId :

S-3-(1-3)

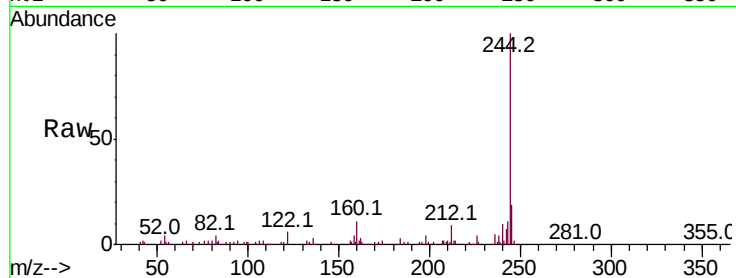
Tot Ion:244 Resp: 189606

Ion Ratio Lower Upper

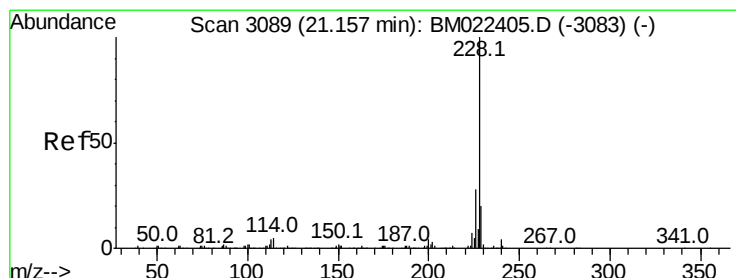
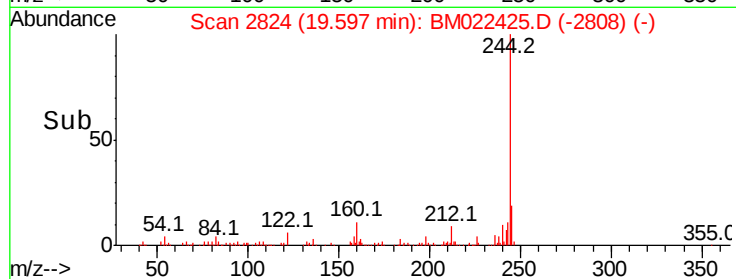
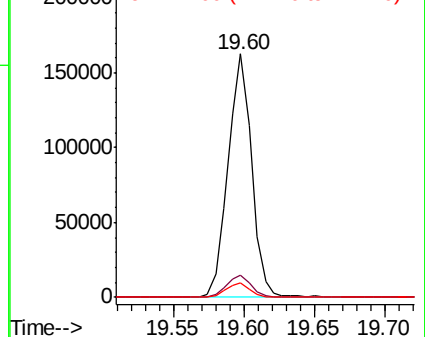
244 100

212 8.9 7.0 10.4

122 6.1 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: 3.666 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022425.D

Acq: 30 Aug 2019 01:38

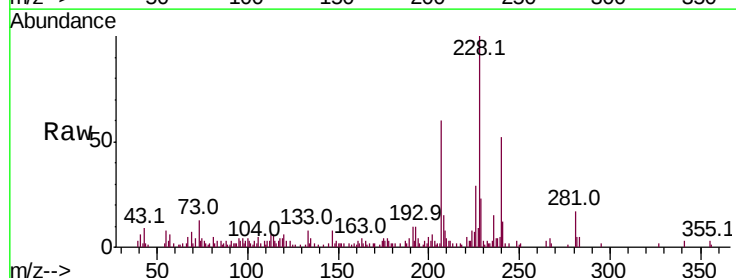
Tgt Ion:228 Resp: 31807

Ion Ratio Lower Upper

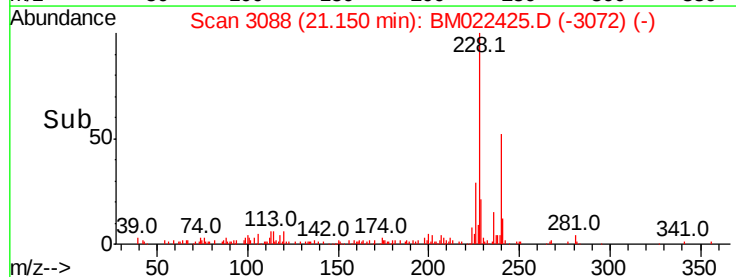
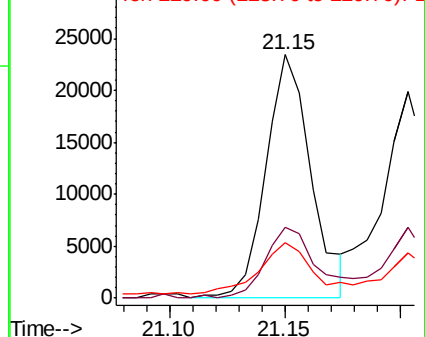
228 100

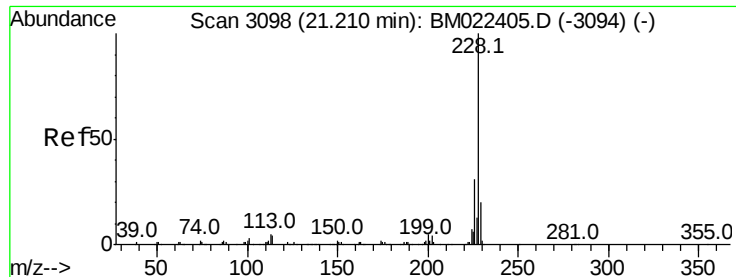
226 28.8 22.6 34.0

229 22.8 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: 3.399 ng

RT: 21.20 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM022425.D

Acq: 30 Aug 2019 01:38

Instrument :

BNA_M

ClientSampleId :

S-3-(1-3)

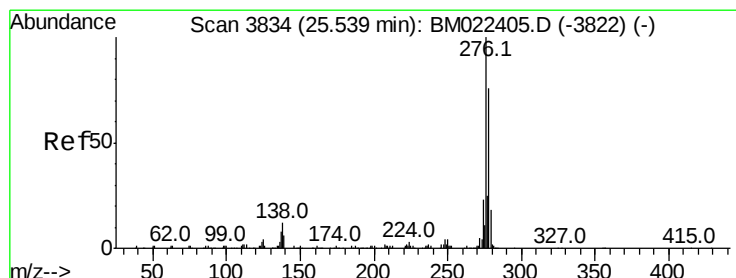
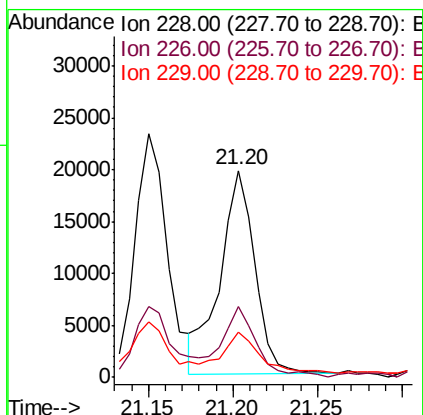
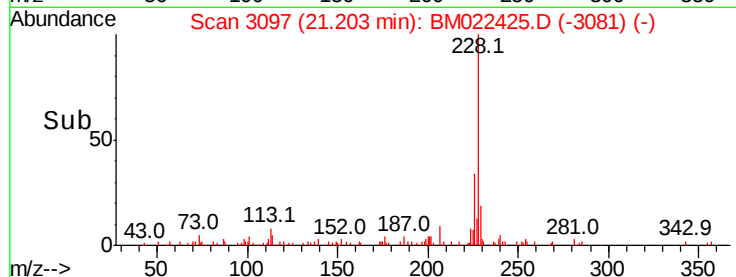
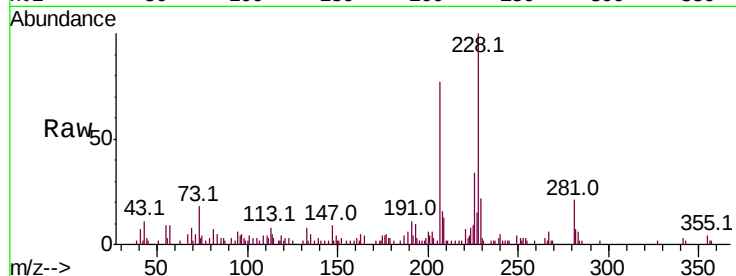
Tot Ion:228 Resp: 28073

Ion Ratio Lower Upper

228 100

226 34.0 24.5 36.7

229 21.6 15.7 23.5



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.553 ng

RT: 25.54 min Scan# 3834

Delta R.T. -0.00 min

Lab File: BM022425.D

Acq: 30 Aug 2019 01:38

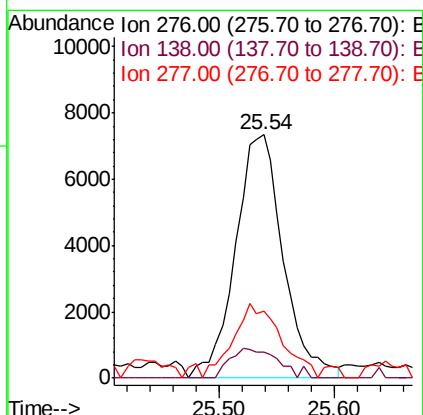
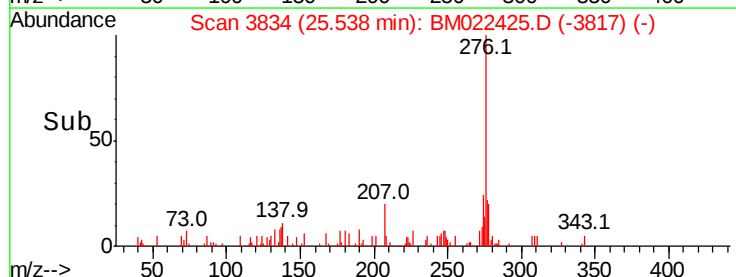
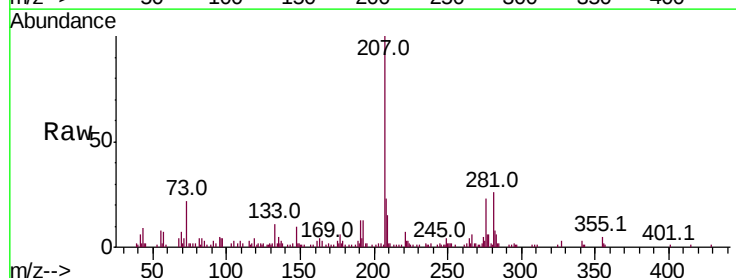
Tgt Ion:276 Resp: 21211

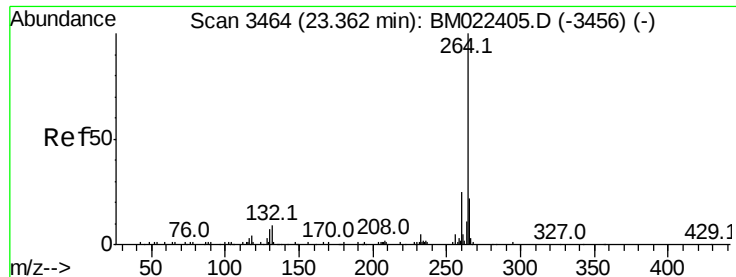
Ion Ratio Lower Upper

276 100

138 12.3 9.1 13.7

277 30.5 20.0 30.0#

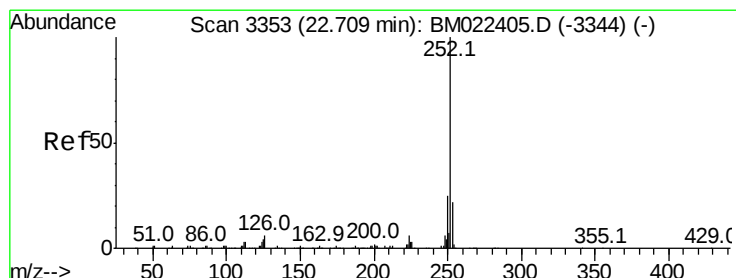
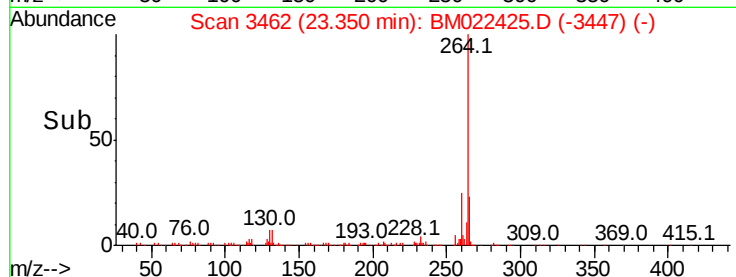
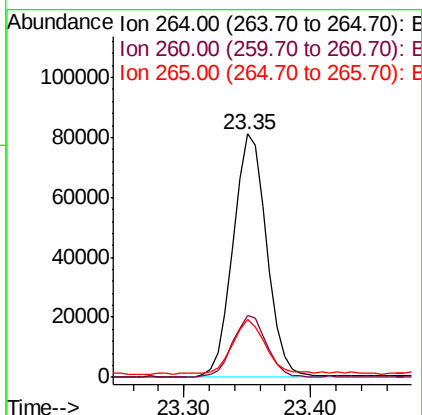
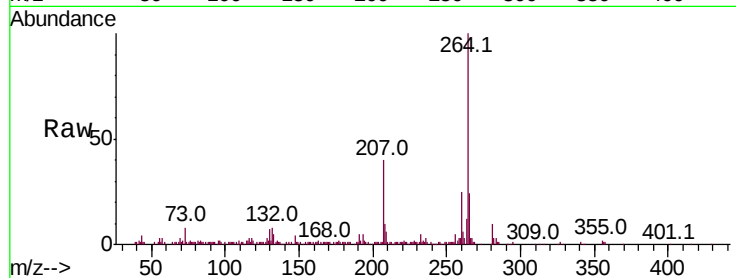




#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.35 min Scan# 3462
Delta R.T. -0.01 min
Lab File: BM022425.D
Acq: 30 Aug 2019 01:38

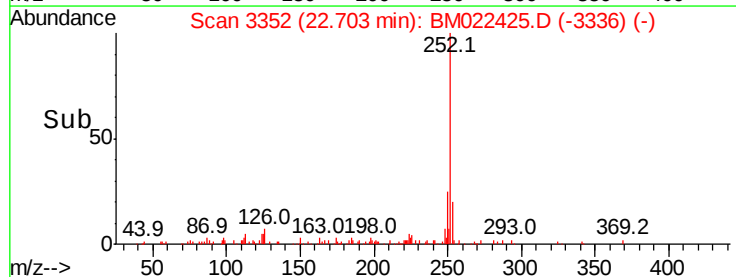
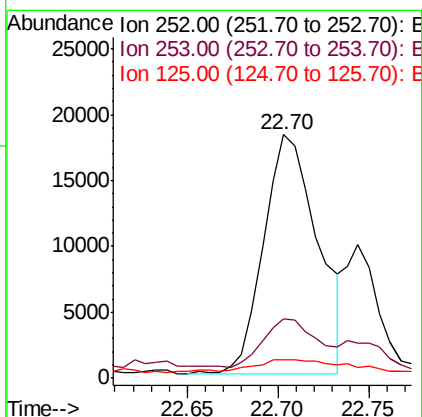
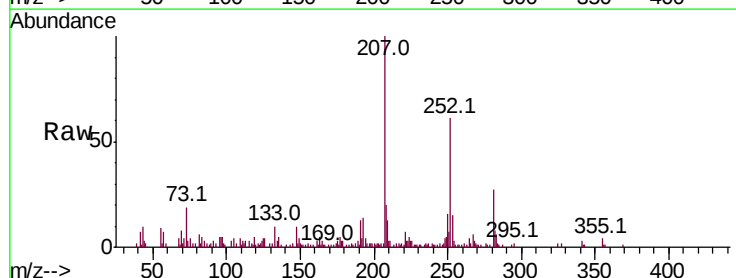
Instrument :
BNA_M
ClientSampled :
S-3-(1-3)

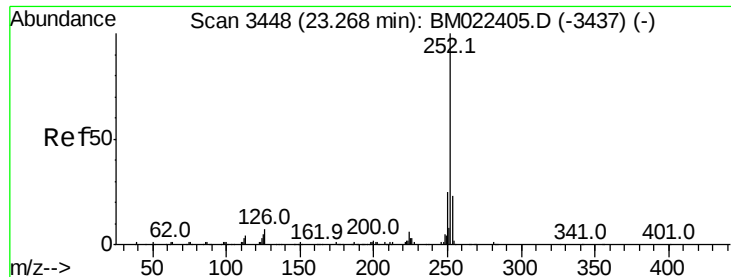
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	23.8	18.2	27.2



#88
Benzo(b)fluoranthene
Concen: 3.629 ng
RT: 22.70 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BM022425.D
Acq: 30 Aug 2019 01:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	7.3	3.5	5.3





#90

Benzo(a)pyrene

Concen: 3.232 ng

RT: 23.26 min Scan# 3447

Delta R.T. -0.01 min

Lab File: BM022425.D

Acq: 30 Aug 2019 01:38

Instrument :

BNA_M

ClientSampleId :

S-3-(1-3)

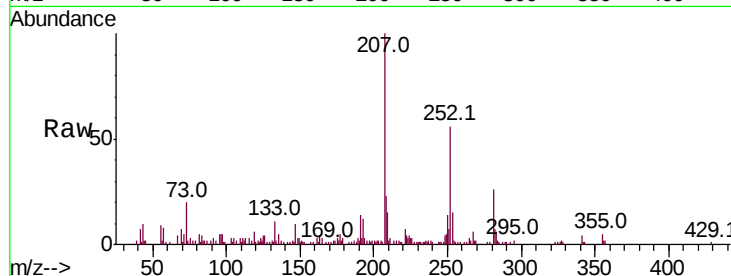
Tot Ion:252 Resp: 29807

Ion Ratio Lower Upper

252 100

253 26.2 18.2 27.2

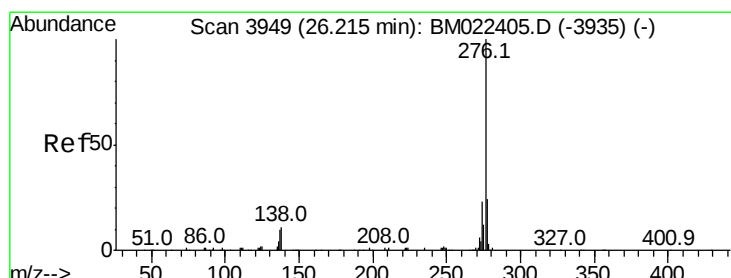
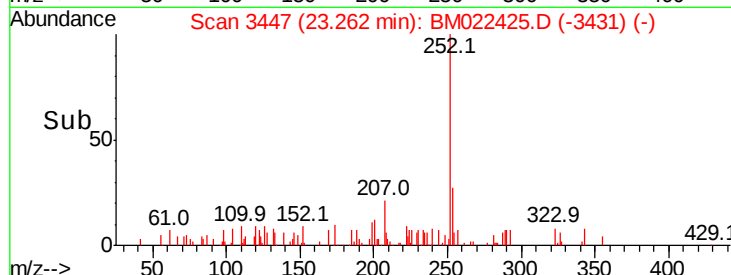
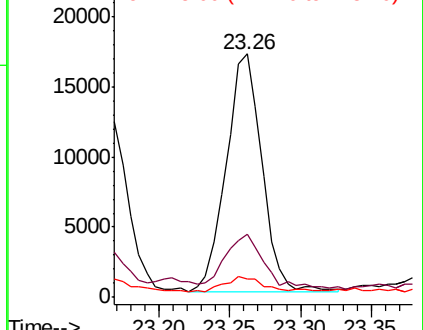
125 7.5 3.8 5.8#



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: 2.737 ng

RT: 26.21 min Scan# 3948

Delta R.T. -0.01 min

Lab File: BM022425.D

Acq: 30 Aug 2019 01:38

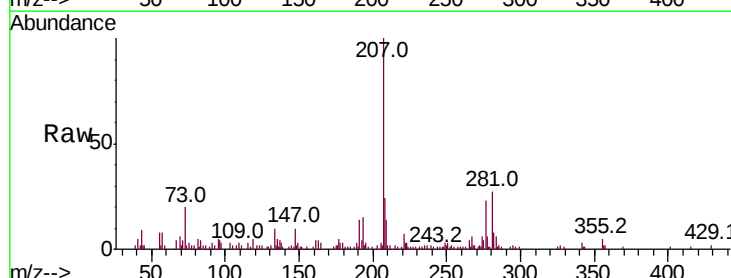
Tgt Ion:276 Resp: 21938

Ion Ratio Lower Upper

276 100

277 26.8 19.4 29.0

138 11.1 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

