

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082119\
 Data File : BM022230.D
 Acq On : 21 Aug 2019 15:43
 Operator : HP/JU
 Sample : K4421-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SUNSET-PARK-SB-1-COMP

Quant Time: Aug 21 16:19:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 20 02:18:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	33197	20.00	ng	-0.01
21) Naphthalene-d8	10.34	136	128941	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	76287	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	146114	20.00	ng	0.00
76) Chrysene-d12	21.19	240	147899	20.00	ng	0.00
87) Perylene-d12	23.39	264	173063	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	183314	98.40	ng	0.00
7) Phenol-d6	6.76	99	245150	98.82	ng	0.00
23) Nitrobenzene-d5	8.73	82	173241	65.35	ng	-0.01
42) 2,4,6-Tribromophenol	15.73	330	105987	85.84	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	398142	65.19	ng	-0.01
79) Terphenyl-d14	19.63	244	614913	60.58	ng	0.00

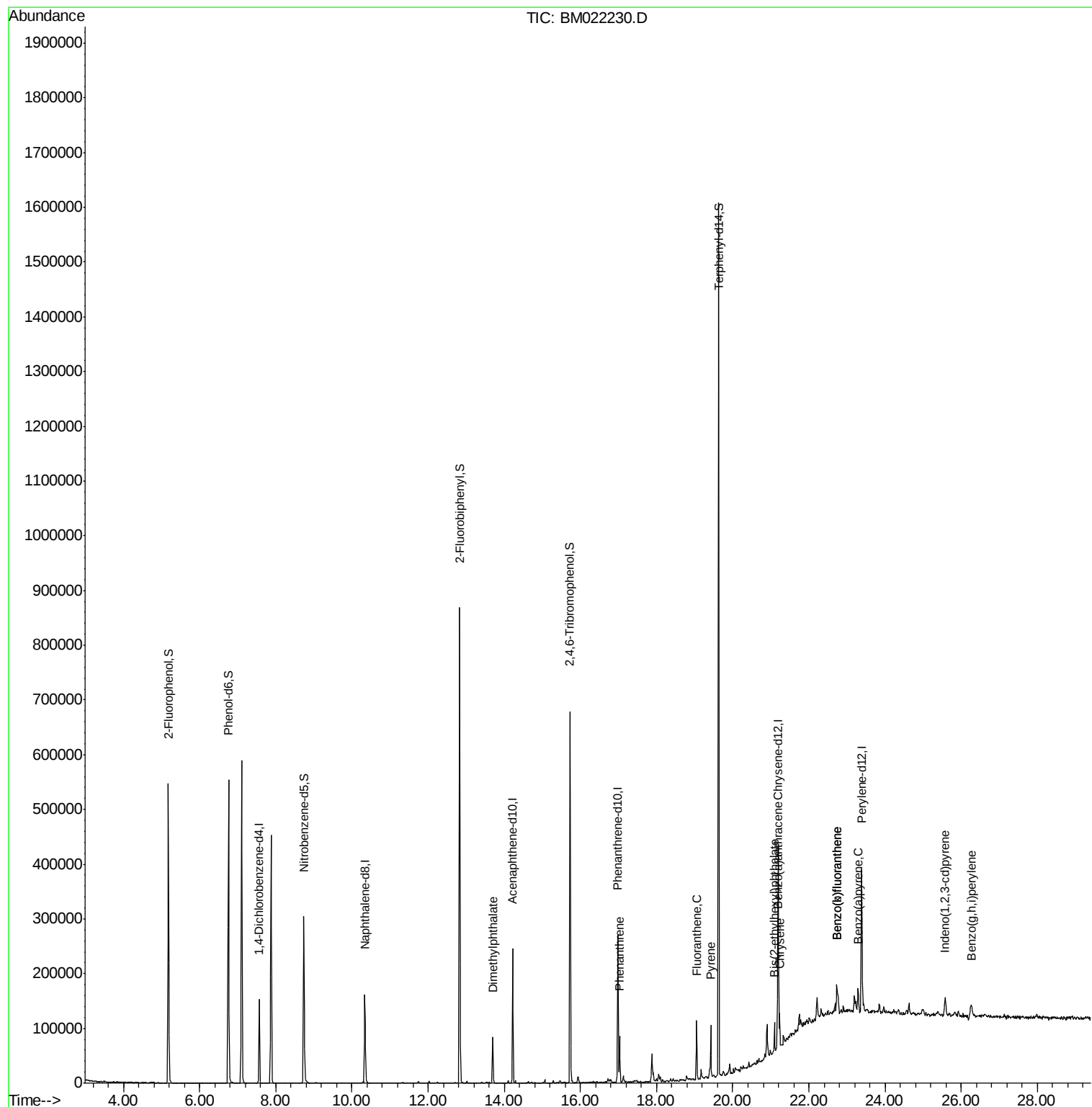
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.70	163	55857	8.709	ng	98
71) Phenanthrene	17.03	178	47249	5.576	ng	97
75) Fluoranthene	19.06	202	60861	5.956	ng	98
78) Pyrene	19.42	202	56916	5.467	ng	98
81) Benzo(a)anthracene	21.17	228	31543	3.033	ng	99
83) Chrysene	21.23	228	29556	2.944	ng	96
84) Bis(2-ethylhexyl)phthalate	21.10	149	15637	2.233	ng	# 95
86) Indeno(1,2,3-cd)pyrene	25.58	276	22831	2.030	ng	# 94
88) Benzo(b)fluoranthene	22.73	252	40365	3.493	ng	98
89) Benzo(k)fluoranthene	22.73	252	40365	3.573	ng	99
90) Benzo(a)pyrene	23.29	252	28322	2.691	ng	# 96
92) Benzo(g,h,i)perylene	26.26	276	22595	2.311	ng	# 96

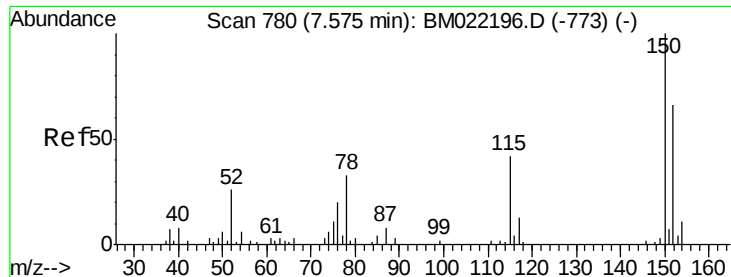
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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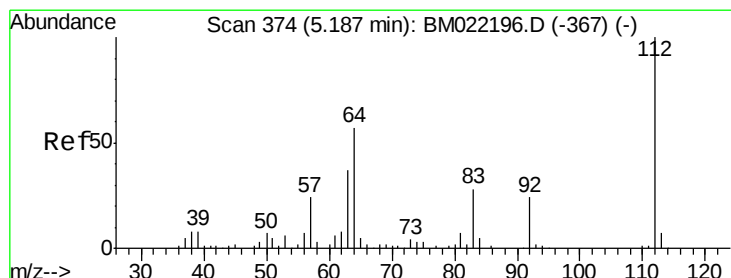
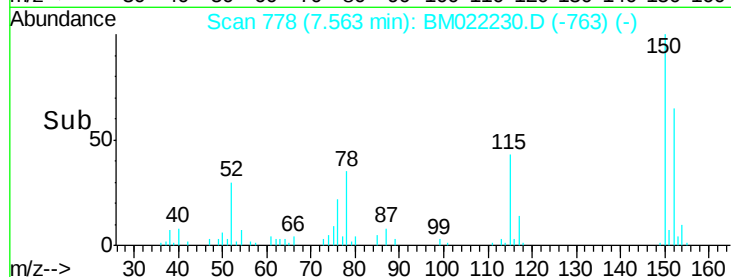
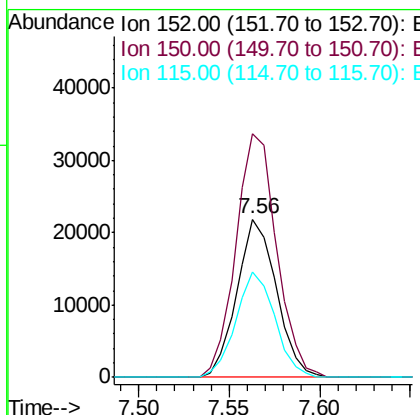
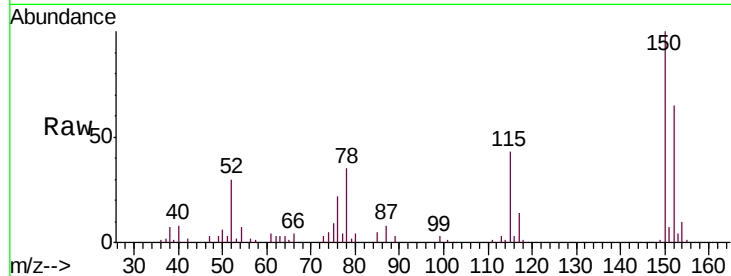




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.56 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BM022230.D
 Acq: 21 Aug 2019 15:43

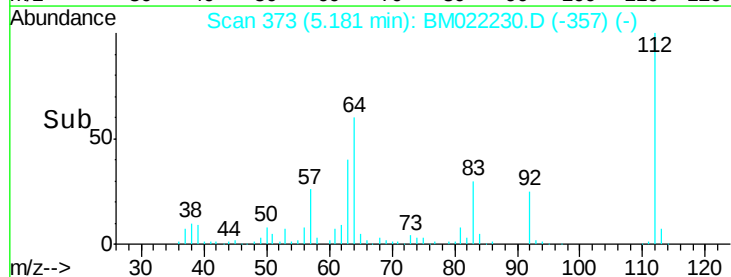
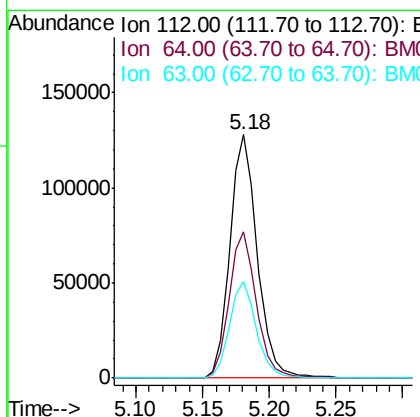
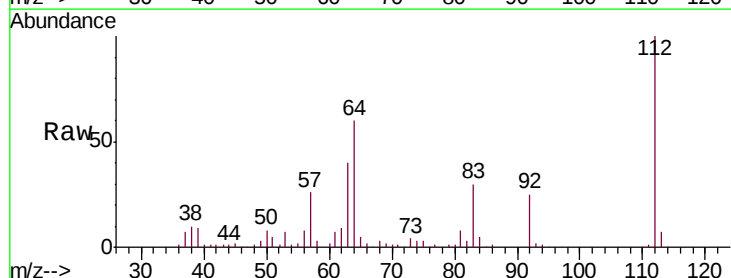
Instrument :
 BNA_M
 ClientSampleId :
 SUNSET-PARK-SB-1-COMP

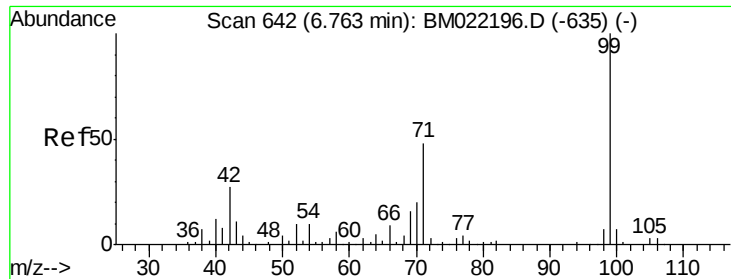
Tgt Ion:152 Resp: 33197
 Ion Ratio Lower Upper
 152 100
 150 153.8 123.1 184.7
 115 66.5 44.2 66.4#



#5
 2-Fluorophenol
 Concen: 98.401 ng
 RT: 5.18 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: BM022230.D
 Acq: 21 Aug 2019 15:43

Tgt Ion:112 Resp: 183314
 Ion Ratio Lower Upper
 112 100
 64 60.3 45.2 67.8
 63 39.8 23.5 35.3#





#7

Phenol-d6

Concen: 98.818 ng

RT: 6.76 min Scan# 641

Delta R.T. -0.01 min

Lab File: BM022230.D

Acq: 21 Aug 2019 15:43

Instrument :

BNA_M

ClientSampleId :

SUNSET-PARK-SB-1-COMP

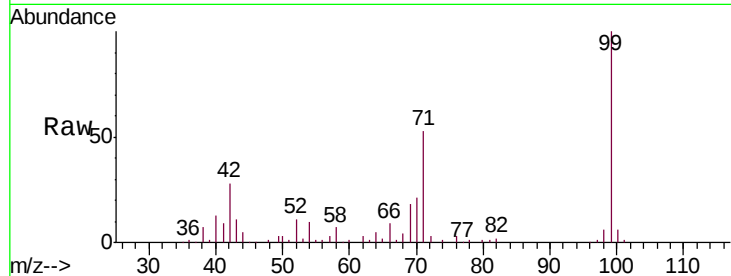
Tgt Ion: 99 Resp: 245150

Ion Ratio Lower Upper

99 100

42 28.1 13.5 20.3#

71 53.3 29.3 43.9#

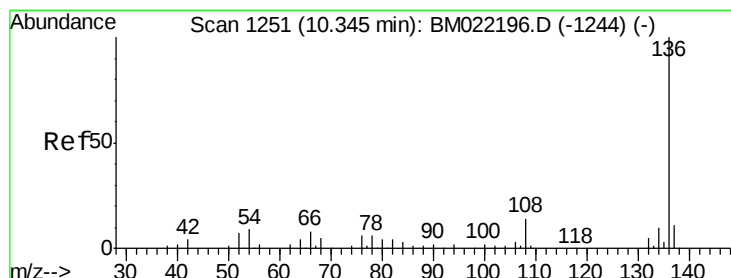
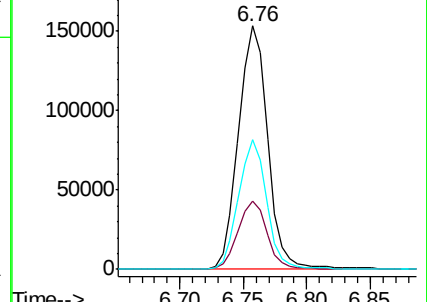
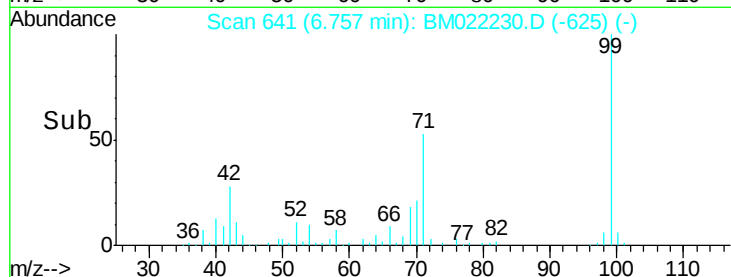


Abundance Ion 99.00 (98.70 to 99.70): BM022196.D (-635) (-)

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

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

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BM022230.D

Acq: 21 Aug 2019 15:43

Tgt Ion: 136 Resp: 128941

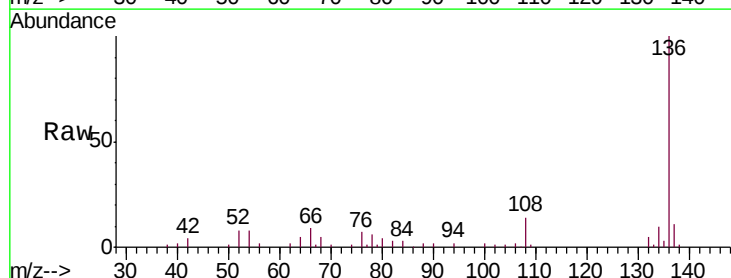
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 8.2 5.3 7.9#

68 5.4 4.4 6.6



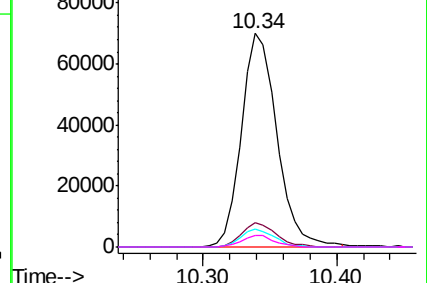
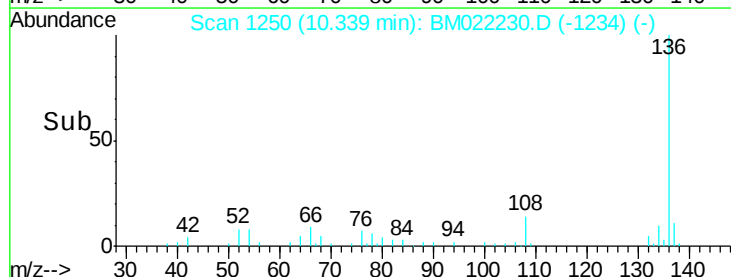
Abundance Ion 136.00 (135.70 to 136.70): BM022196.D (-1244) (-)

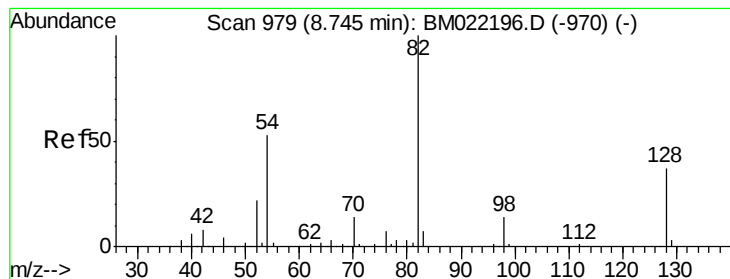
Ion 137.00 (136.70 to 137.70): BM022196.D (-1244) (-)

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

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

Time-->





#23

Nitrobenzene-d5

Concen: 65.347 ng

RT: 8.73 min Scan# 977

Delta R.T. -0.01 min

Lab File: BM022230.D

Acq: 21 Aug 2019 15:43

Instrument :

BNA_M

ClientSampleId :

SUNSET-PARK-SB-1-COMP

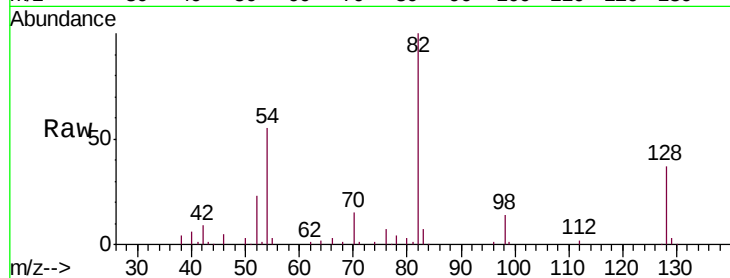
Tgt Ion: 82 Resp: 173241

Ion Ratio Lower Upper

82 100

128 37.1 35.9 53.9

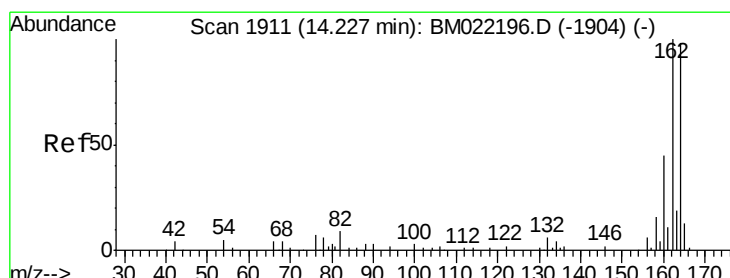
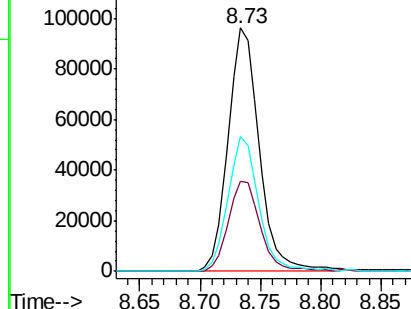
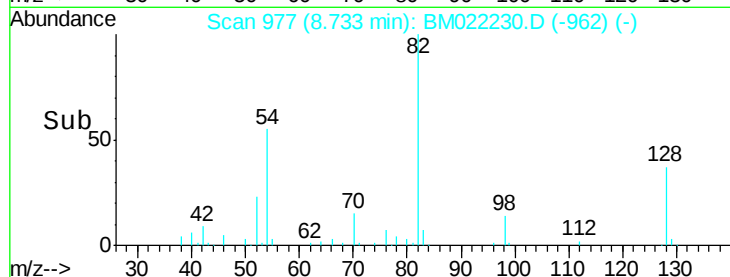
54 55.4 36.6 55.0#



Abundance Ion 82.00 (81.70 to 82.70): BM022230.D (-962) (-)

Ion 128.00 (127.70 to 128.70): BM022230.D (-962) (-)

Ion 54.00 (53.70 to 54.70): BM022230.D (-962) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BM022230.D

Acq: 21 Aug 2019 15:43

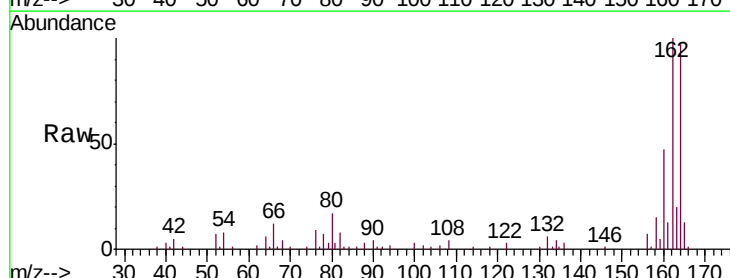
Tgt Ion: 164 Resp: 76287

Ion Ratio Lower Upper

164 100

162 102.8 82.1 123.1

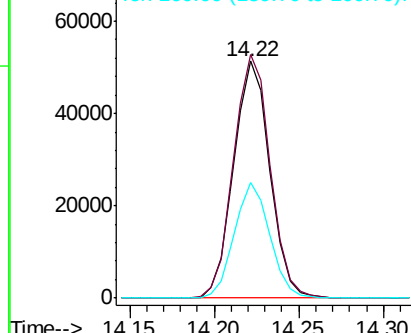
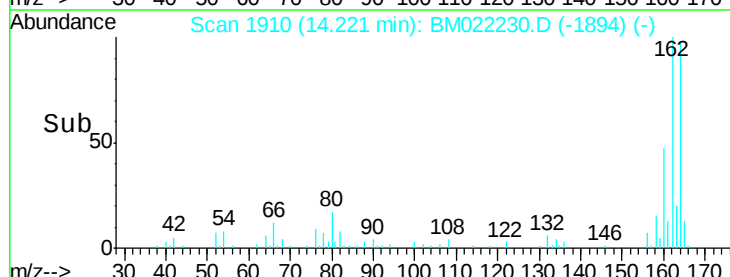
160 48.6 37.1 55.7

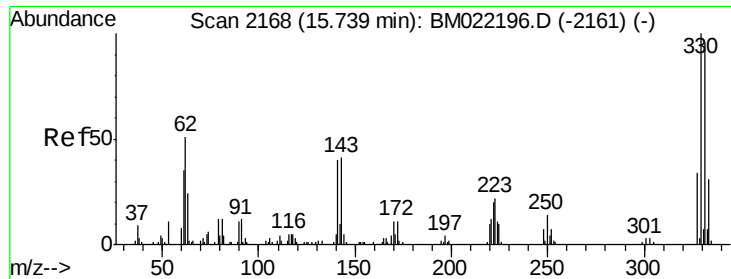


Abundance Ion 164.00 (163.70 to 164.70): BM022230.D (-1894) (-)

Ion 162.00 (161.70 to 162.70): BM022230.D (-1894) (-)

Ion 160.00 (159.70 to 160.70): BM022230.D (-1894) (-)





#42

2,4,6-Tribromophenol

Concen: 85.835 ng

RT: 15.73 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BM022230.D

Acq: 21 Aug 2019 15:43

Instrument :

BNA_M

ClientSampleId :

SUNSET-PARK-SB-1-COMP

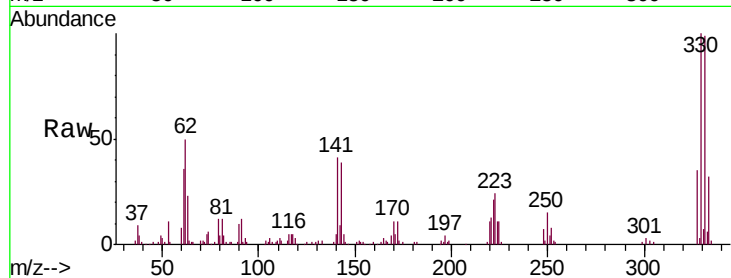
Tgt Ion:330 Resp: 105987

Ion Ratio Lower Upper

330 100

332 96.0 77.1 115.7

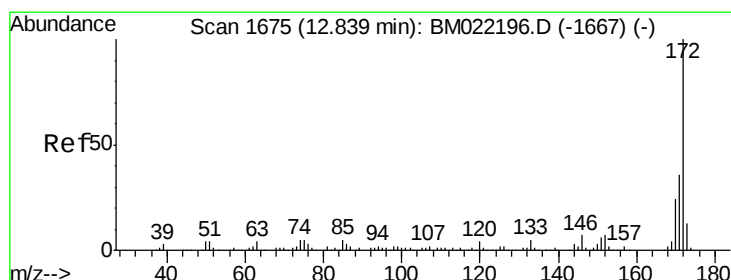
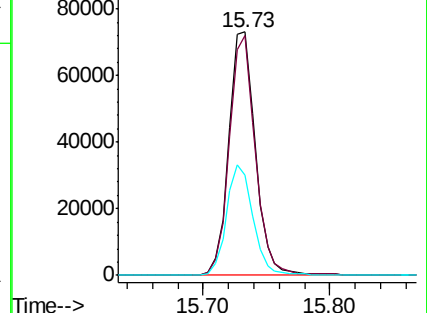
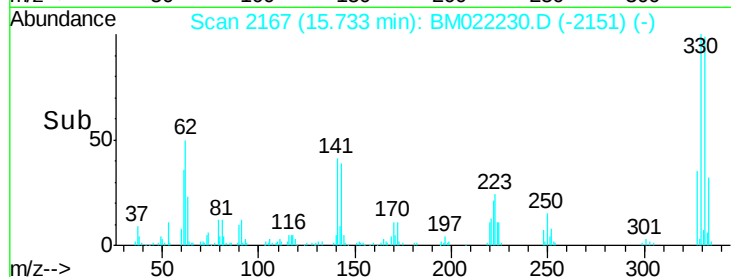
141 45.3 21.8 32.8#



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: 65.185 ng

RT: 12.83 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BM022230.D

Acq: 21 Aug 2019 15:43

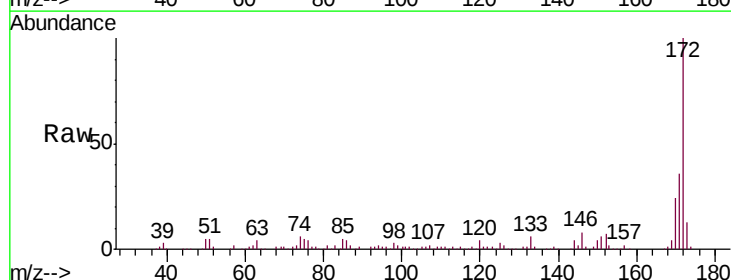
Tgt Ion:172 Resp: 398142

Ion Ratio Lower Upper

172 100

171 36.4 28.6 43.0

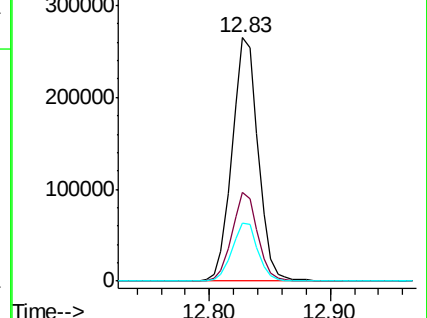
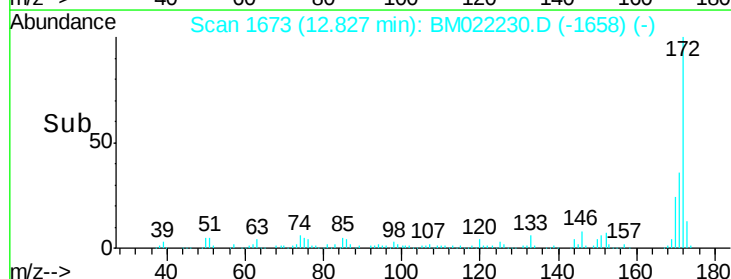
170 23.8 18.7 28.1

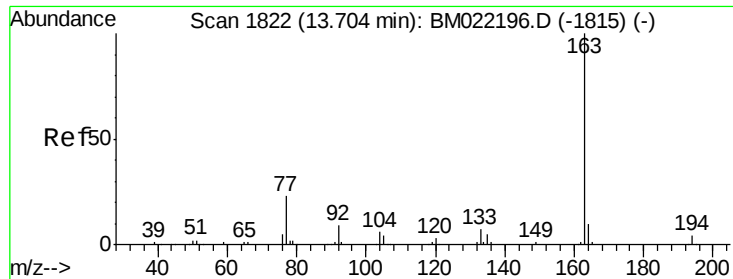


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

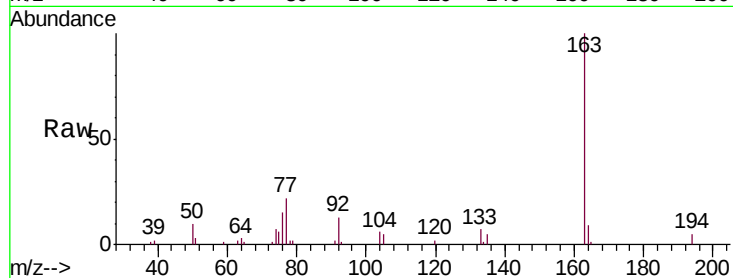




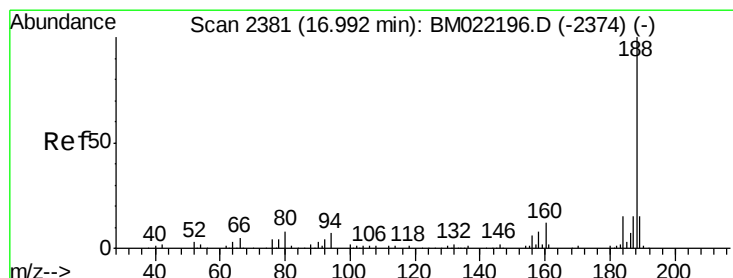
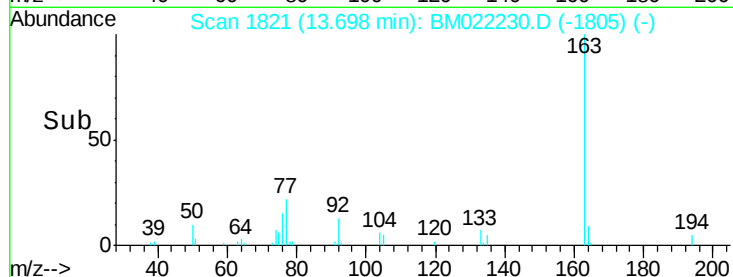
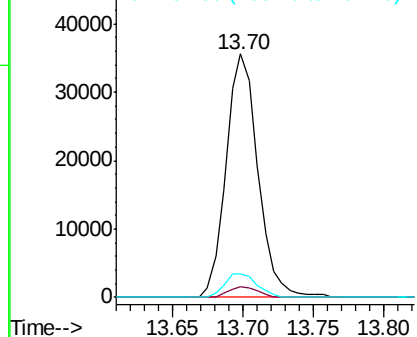
#50
Dimethylphthalate
Concen: 8.709 ng
RT: 13.70 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BM022230.D
Acq: 21 Aug 2019 15:43

Instrument :
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ClientSampleId :
SUNSET-PARK-SB-1-COMP

Tgt Ion:163 Resp: 55857
Ion Ratio Lower Upper
163 100
194 4.6 3.4 5.2
164 9.4 8.2 12.2

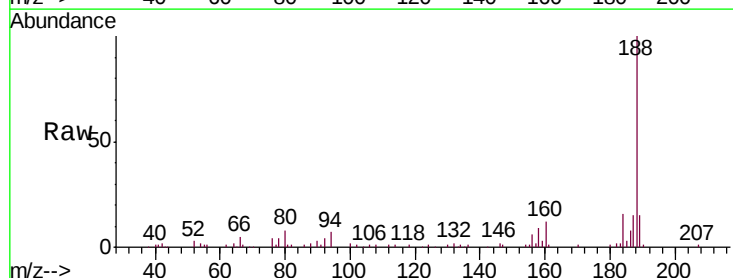


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

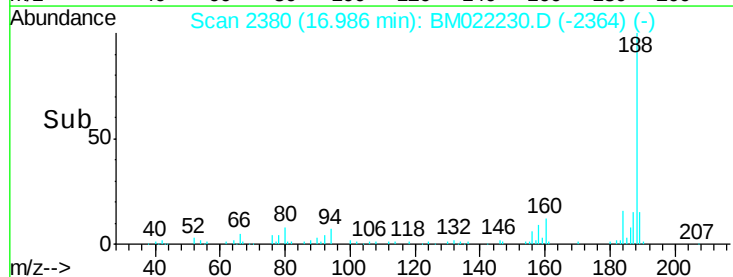
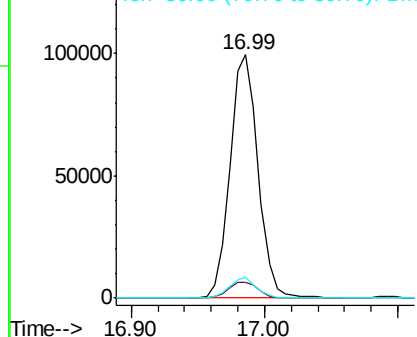


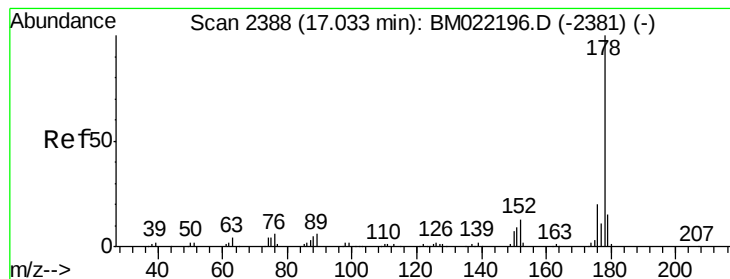
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2380
Delta R.T. -0.01 min
Lab File: BM022230.D
Acq: 21 Aug 2019 15:43

Tgt Ion:188 Resp: 146114
Ion Ratio Lower Upper
188 100
94 6.6 5.8 8.8
80 8.3 6.9 10.3



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: 5.576 ng

RT: 17.03 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BM022230.D

Acq: 21 Aug 2019 15:43

Instrument :

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ClientSampleId :

SUNSET-PARK-SB-1-COMP

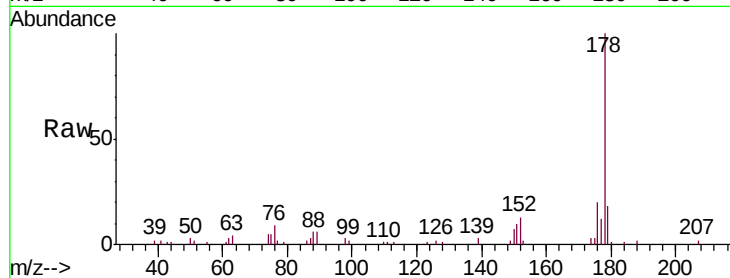
Tgt Ion:178 Resp: 47249

Ion Ratio Lower Upper

178 100

176 19.7 15.2 22.8

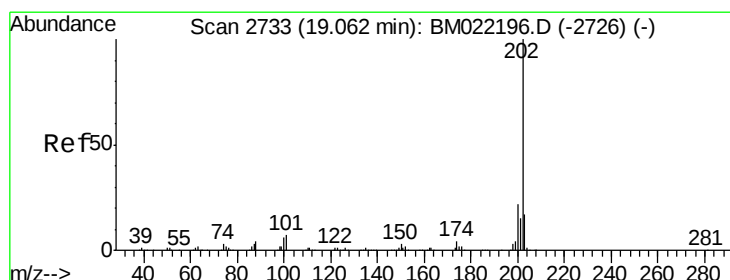
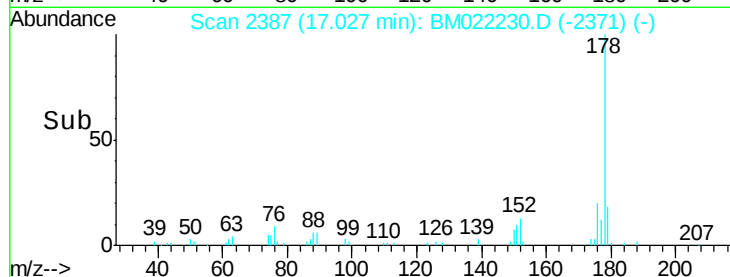
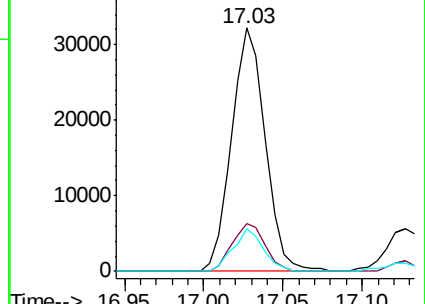
179 17.5 12.2 18.4



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: 5.956 ng

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BM022230.D

Acq: 21 Aug 2019 15:43

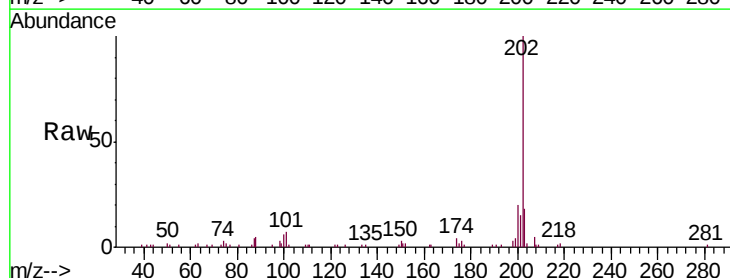
Tgt Ion:202 Resp: 60861

Ion Ratio Lower Upper

202 100

101 7.0 0.0 28.2

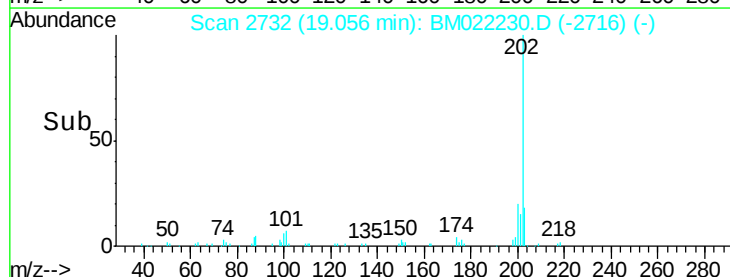
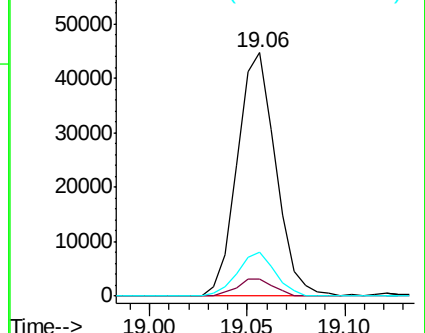
203 18.2 0.0 37.6

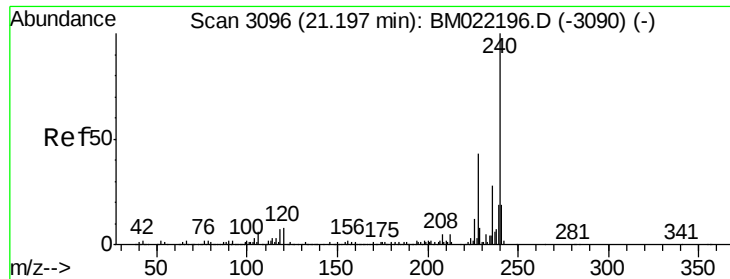


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

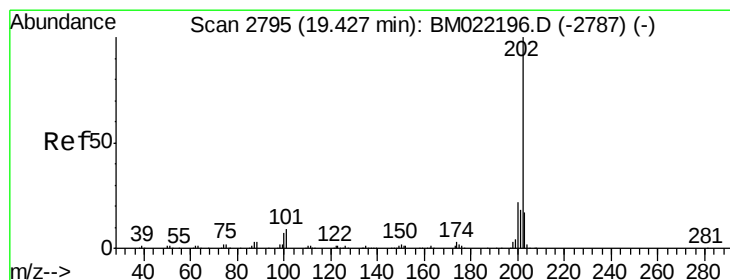
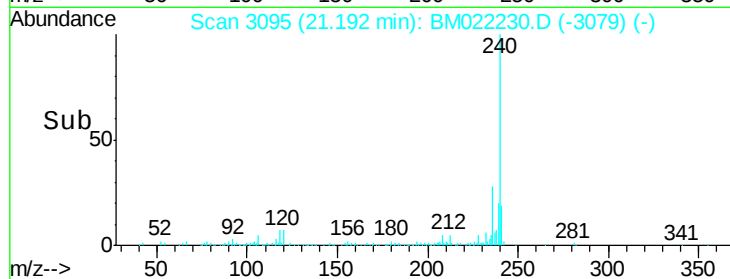
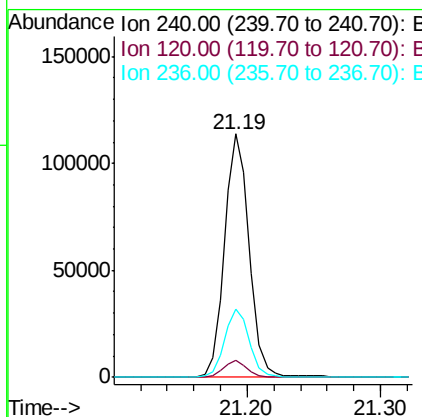
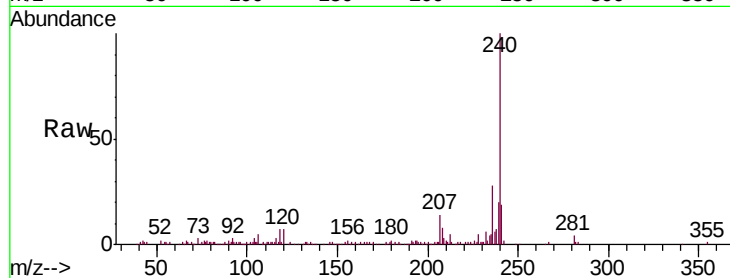




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BM022230.D
Acq: 21 Aug 2019 15:43

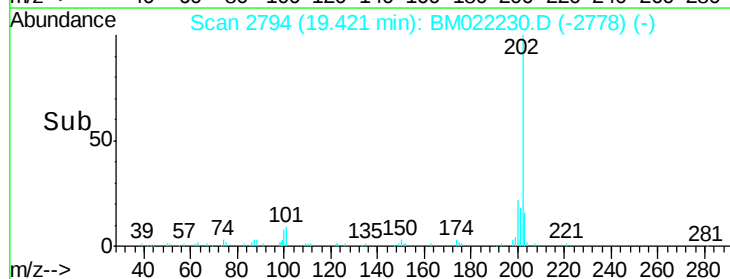
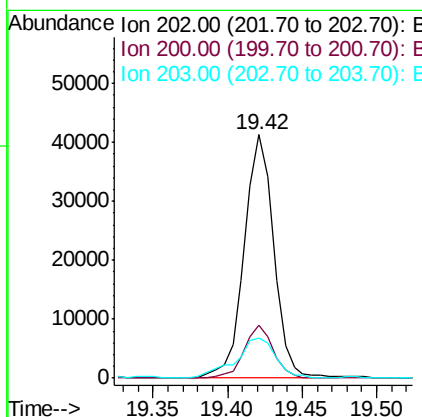
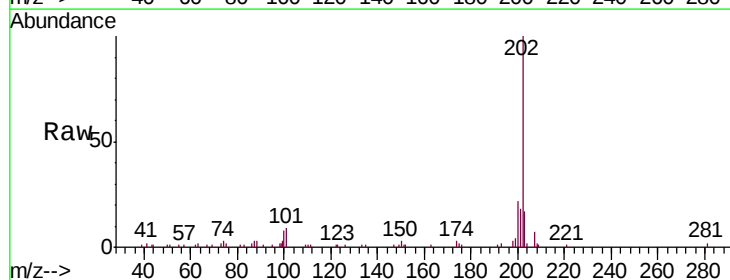
Instrument :
BNA_M
ClientSampleId :
SUNSET-PARK-SB-1-COMP

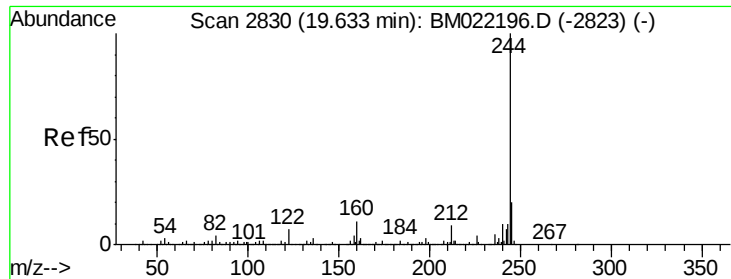
Tgt Ion:240 Resp: 147899
Ion Ratio Lower Upper
240 100
120 7.2 6.9 10.3
236 27.8 20.4 30.6



#78
Pyrene
Concen: 5.467 ng
RT: 19.42 min Scan# 2794
Delta R.T. -0.01 min
Lab File: BM022230.D
Acq: 21 Aug 2019 15:43

Tgt Ion:202 Resp: 56916
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.4
203 16.6 14.0 21.0





#79

Terphenyl-d14

Concen: 60.581 ng

RT: 19.63 min Scan# 2829

Delta R.T. -0.01 min

Lab File: BM022230.D

Acq: 21 Aug 2019 15:43

Instrument :

BNA_M

ClientSampleId :

SUNSET-PARK-SB-1-COMP

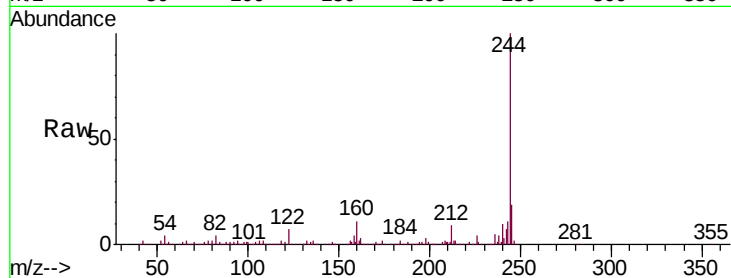
Tgt Ion:244 Resp: 614913

Ion Ratio Lower Upper

244 100

212 8.9 5.3 7.9#

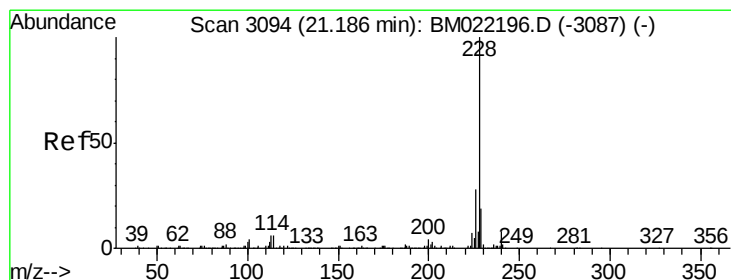
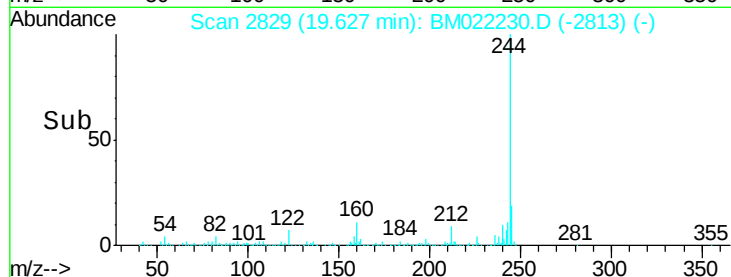
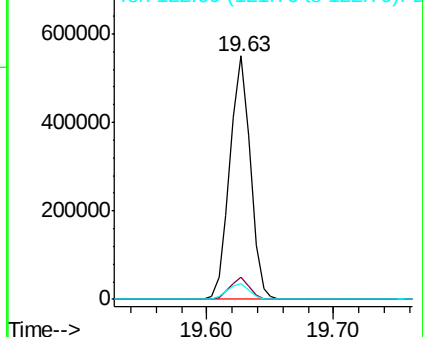
122 6.6 6.6 9.8



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: 3.033 ng

RT: 21.17 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM022230.D

Acq: 21 Aug 2019 15:43

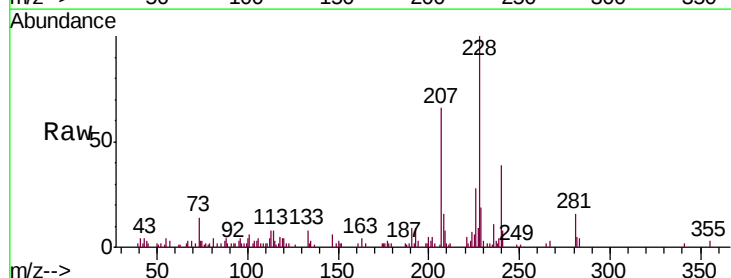
Tgt Ion:228 Resp: 31543

Ion Ratio Lower Upper

228 100

226 28.1 21.6 32.4

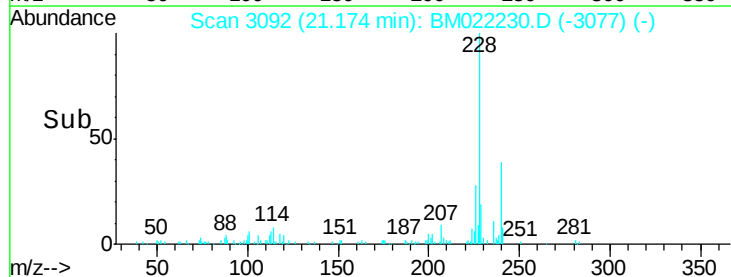
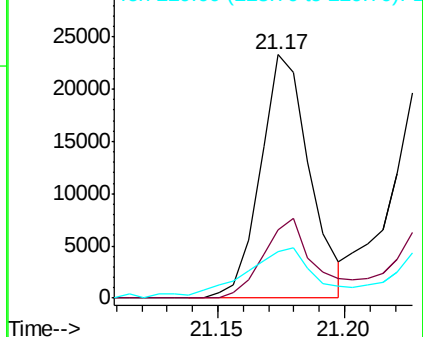
229 19.2 15.5 23.3

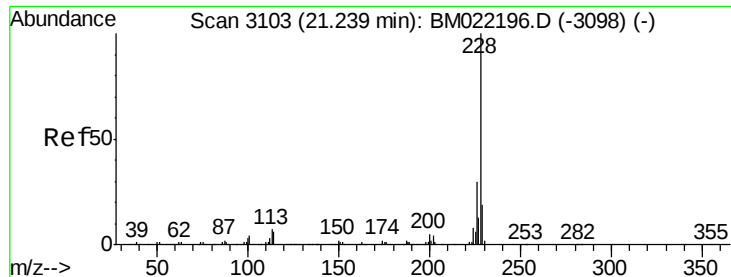


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.944 ng

RT: 21.23 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM022230.D

Acq: 21 Aug 2019 15:43

Instrument :

BNA_M

ClientSampleId :

SUNSET-PARK-SB-1-COMP

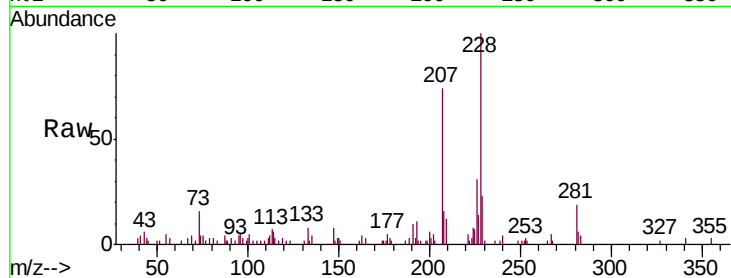
Tgt Ion: 228 Resp: 29556

Ion Ratio Lower Upper

228 100

226 31.1 24.1 36.1

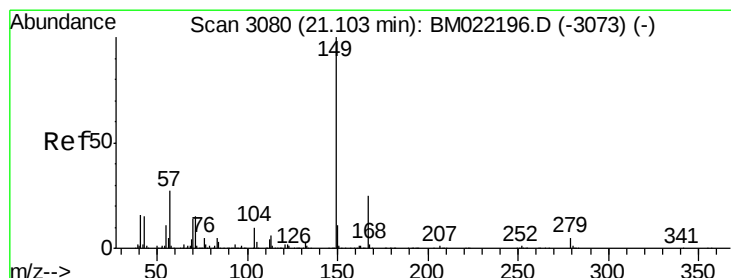
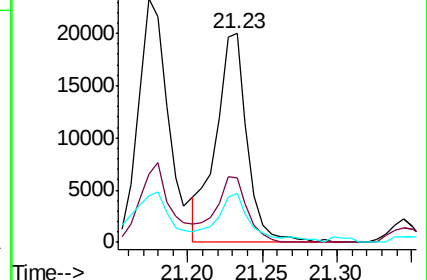
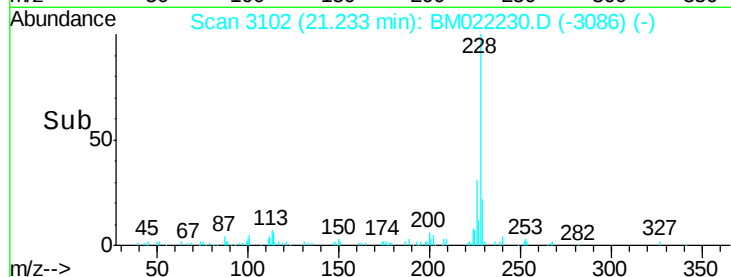
229 23.2 15.6 23.4



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.233 ng

RT: 21.10 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM022230.D

Acq: 21 Aug 2019 15:43

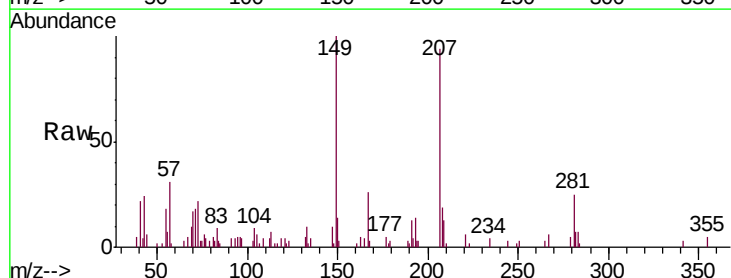
Tgt Ion: 149 Resp: 15637

Ion Ratio Lower Upper

149 100

167 26.1 23.0 34.4

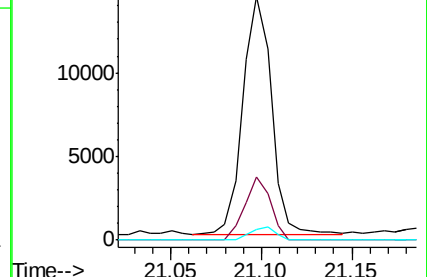
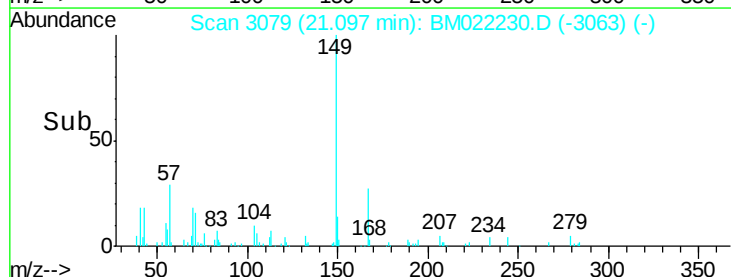
279 4.6 4.6 7.0#

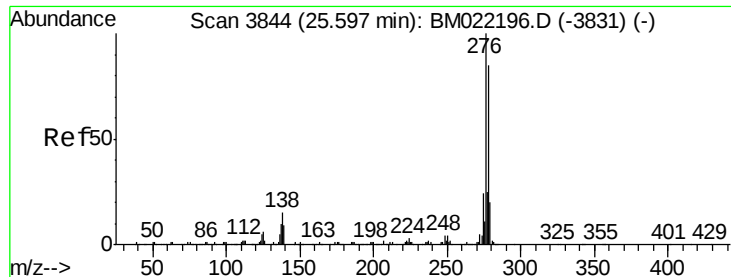


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

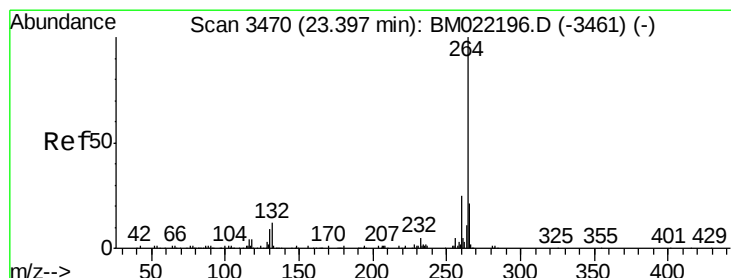
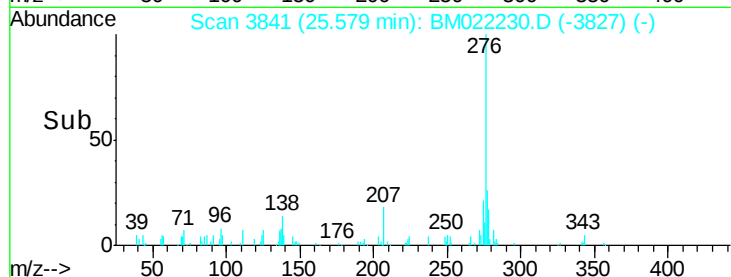
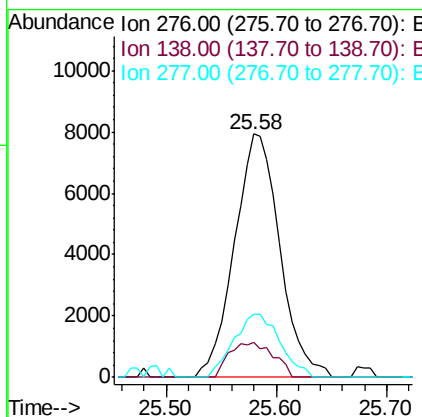
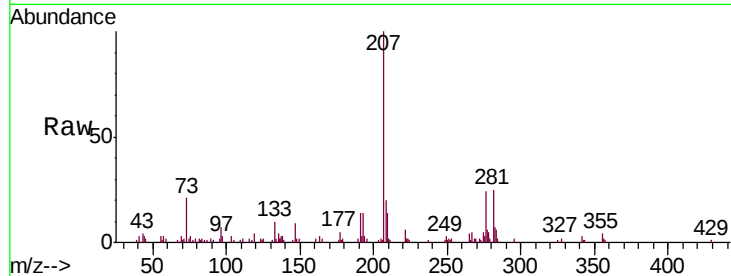




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.030 ng
 RT: 25.58 min Scan# 3841
 Delta R.T. -0.02 min
 Lab File: BM022230.D
 Acq: 21 Aug 2019 15:43

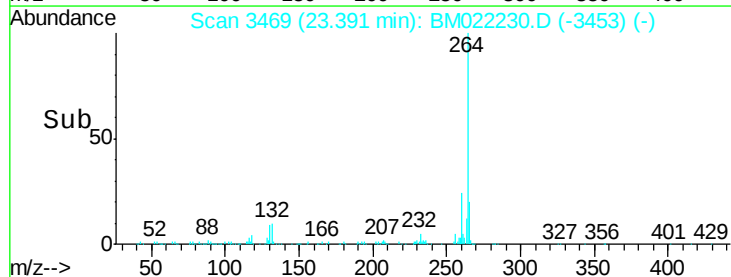
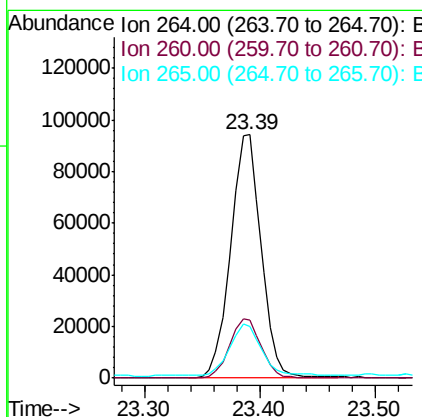
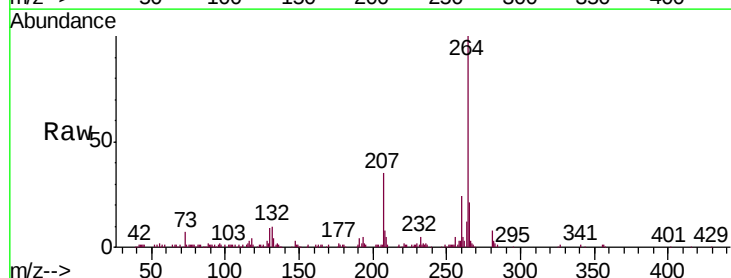
Instrument :
 BNA_M
 ClientSampleId :
 SUNSET-PARK-SB-1-COMP

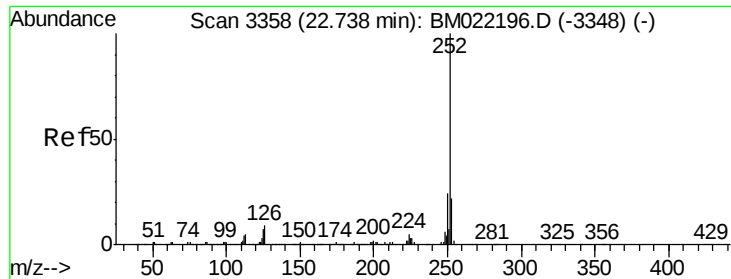
Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.9	15.4	23.0#
277	26.3	20.4	30.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.39 min Scan# 3469
 Delta R.T. -0.01 min
 Lab File: BM022230.D
 Acq: 21 Aug 2019 15:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.1	17.7	26.5

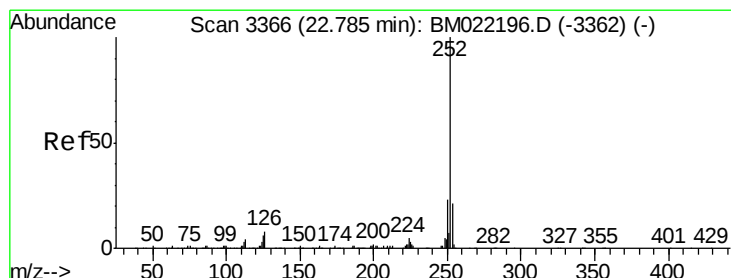
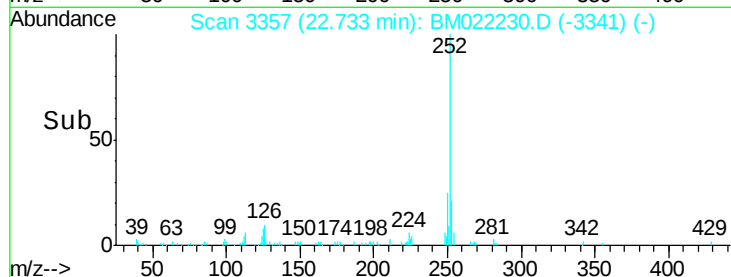
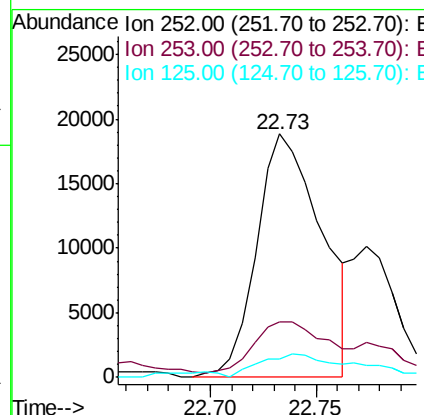
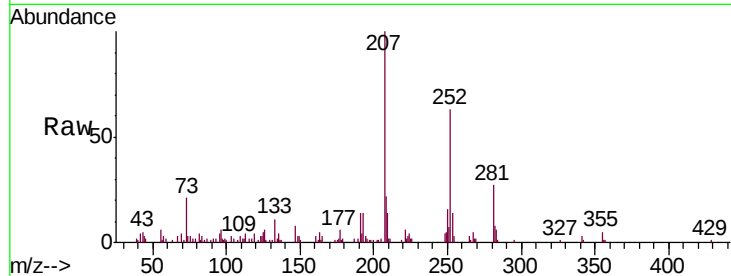




#88
Benzo(b)fluoranthene
Concen: 3.493 ng
RT: 22.73 min Scan# 3357
Delta R.T. -0.01 min
Lab File: BM022230.D
Acq: 21 Aug 2019 15:43

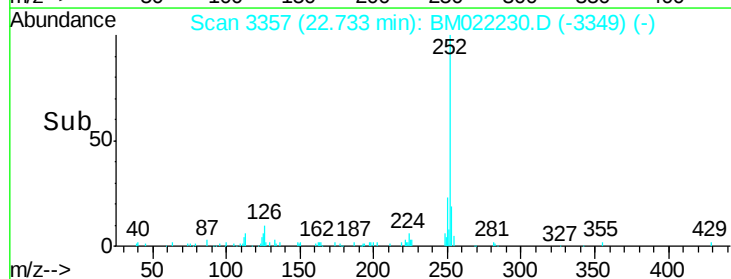
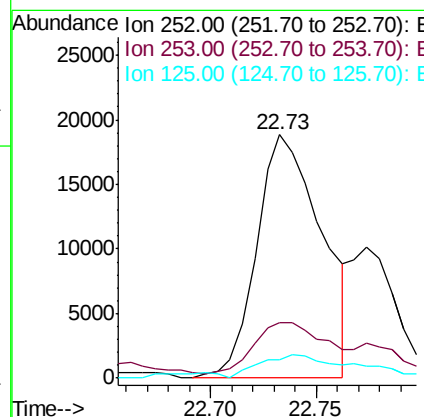
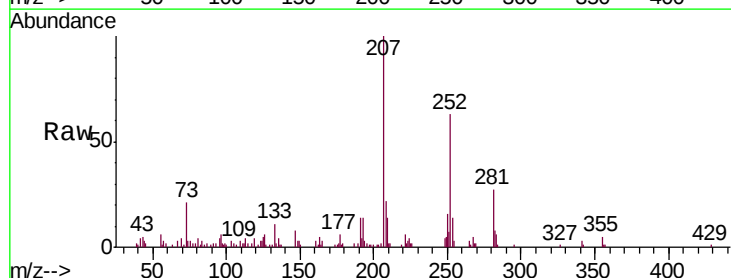
Instrument :
BNA_M
ClientSampleId :
SUNSET-PARK-SB-1-COMP

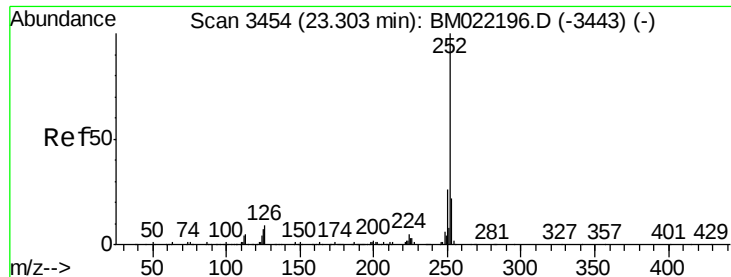
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	7.4	5.9	8.9



#89
Benzo(k)fluoranthene
Concen: 3.573 ng
RT: 22.73 min Scan# 3357
Delta R.T. -0.05 min
Lab File: BM022230.D
Acq: 21 Aug 2019 15:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	7.4	5.9	8.9





#90

Benzo(a)pyrene

Concen: 2.691 ng

RT: 23.29 min Scan# 3452

Delta R.T. -0.01 min

Lab File: BM022230.D

Acq: 21 Aug 2019 15:43

Instrument :

BNA_M

ClientSampleId :

SUNSET-PARK-SB-1-COMP

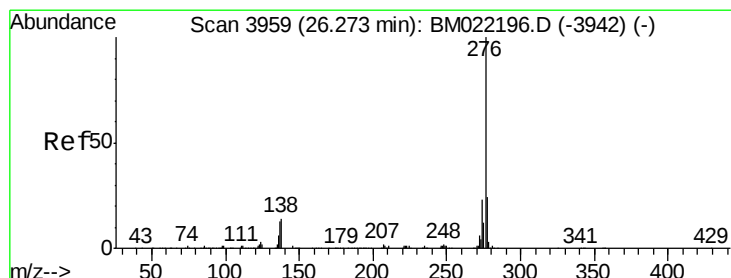
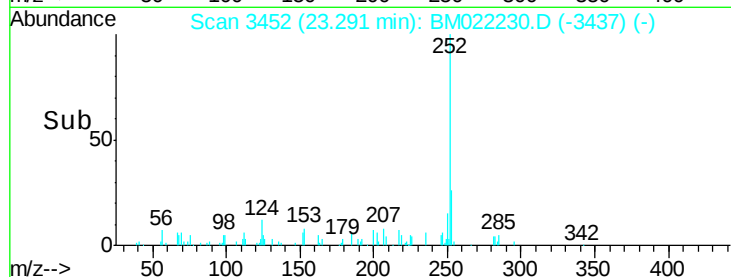
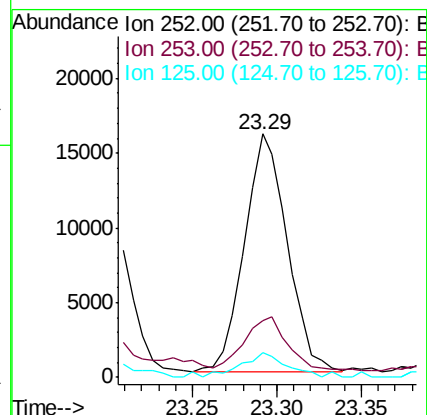
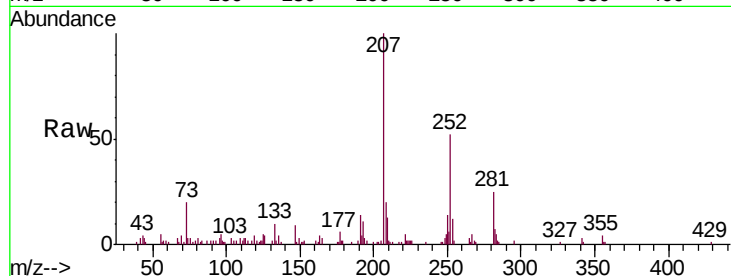
Tgt Ion: 252 Resp: 28322

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 10.3 6.6 10.0#



#92

Benzo(g,h,i)perylene

Concen: 2.311 ng

RT: 26.26 min Scan# 3957

Delta R.T. -0.01 min

Lab File: BM022230.D

Acq: 21 Aug 2019 15:43

Tgt Ion: 276 Resp: 22595

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 12.5 13.1 19.7#

