

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM083119\
 Data File : BM022470.D
 Acq On : 31 Aug 2019 13:47
 Operator : HP/JU
 Sample : K4568-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-16-COMP

Quant Time: Aug 31 15:51:18 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	26338	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	90023	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	58785	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	131518	20.00	ng	0.00
76) Chrysene-d12	21.17	240	175871	20.00	ng	0.00
87) Perylene-d12	23.36	264	204014	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.15	112	198849	132.53	ng	0.00
7) Phenol-d6	6.72	99	254343	126.76	ng	0.00
23) Nitrobenzene-d5	8.69	82	183869	89.46	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	160155	133.14	ng	0.00
45) 2-Fluorobiphenyl	12.78	172	375005	72.27	ng	-0.01
79) Terphenyl-d14	19.60	244	896645	67.28	ng	0.00

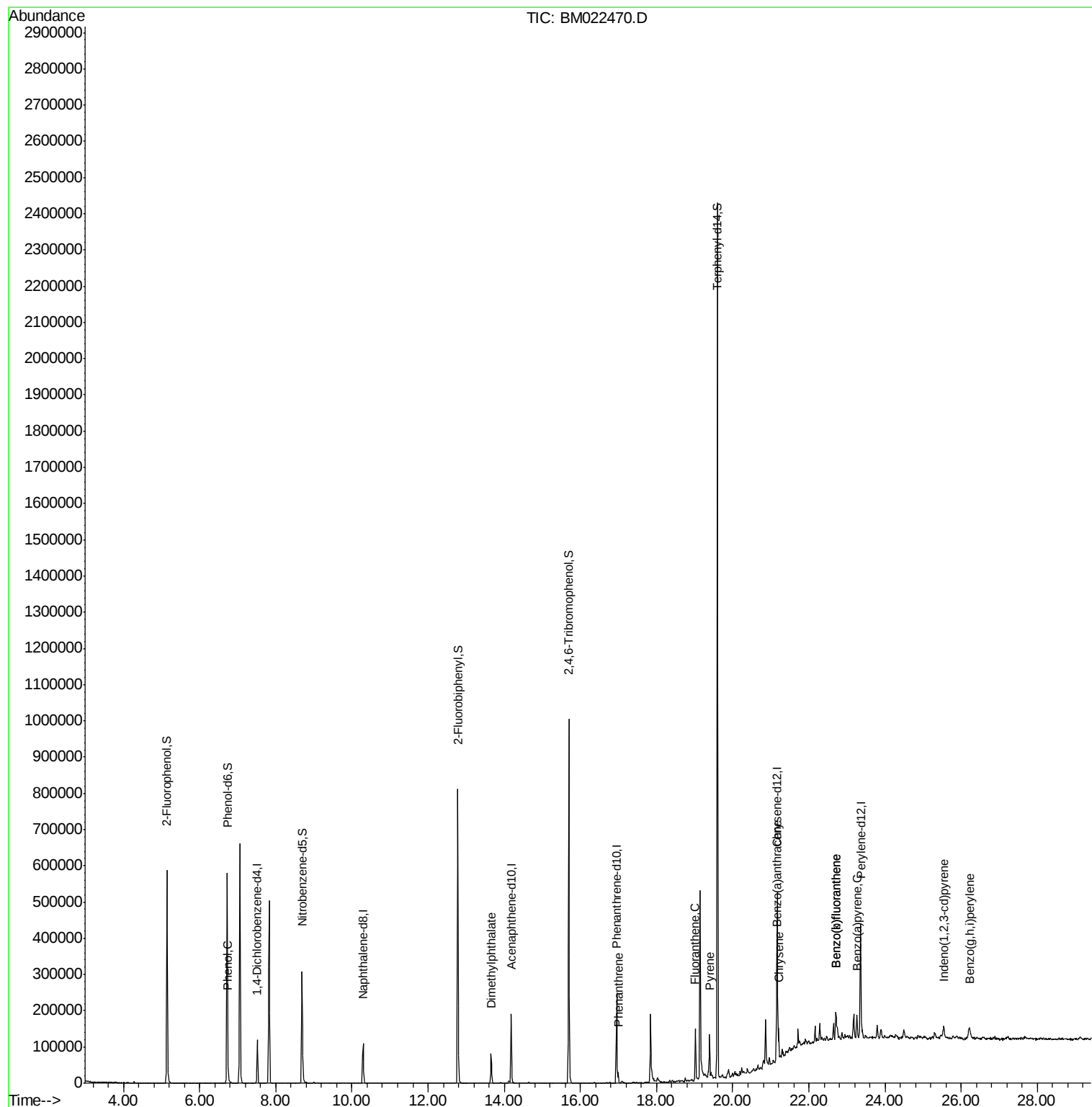
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.75	94	6223	3.087	ng	# 68
50) Dimethylphthalate	13.66	163	55400	10.835	ng	100
71) Phenanthrene	17.00	178	19982	2.607	ng	97
75) Fluoranthene	19.02	202	68440	6.704	ng	98
78) Pyrene	19.39	202	70856	5.912	ng	98
81) Benzo(a)anthracene	21.15	228	47264	3.744	ng	# 95
83) Chrysene	21.20	228	45241	3.765	ng	95
86) Indeno(1,2,3-cd)pyrene	25.54	276	29910	2.475	ng	97
88) Benzo(b)fluoranthene	22.71	252	76182	5.375	ng	# 96
89) Benzo(k)fluoranthene	22.71	252	76293	5.426	ng	# 94
90) Benzo(a)pyrene	23.26	252	43308	3.443	ng	# 99
92) Benzo(g,h,i)perylene	26.21	276	29978	2.742	ng	# 93

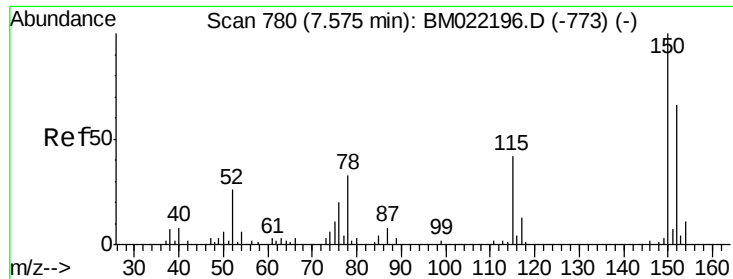
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 29 16:51:32 2019
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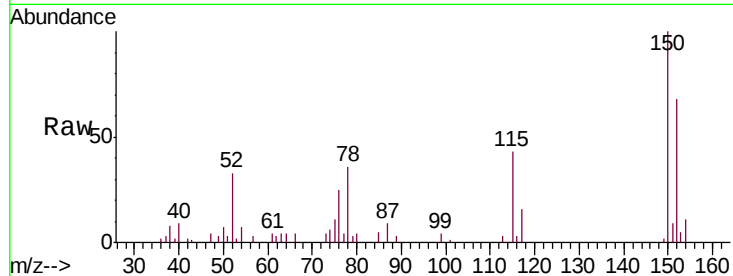




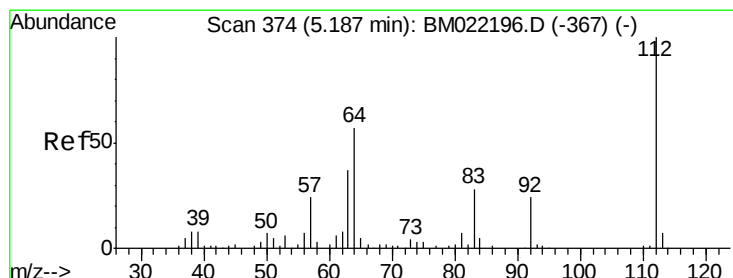
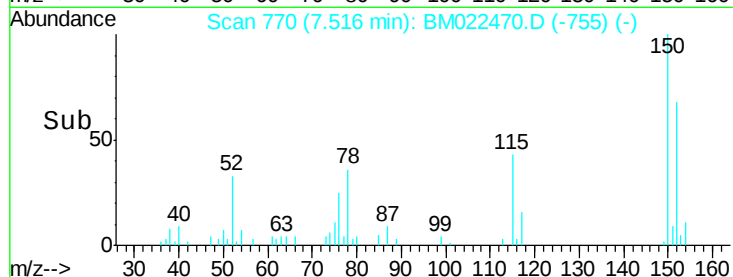
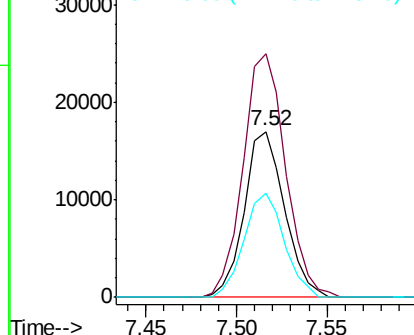
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.52 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BM022470.D
 Acq: 31 Aug 2019 13:47

Instrument :
 BNA_M
 ClientSampleId :
 SB-16-COMP

Tgt Ion:152 Resp: 26338
 Ion Ratio Lower Upper
 152 100
 150 146.6 125.4 188.0
 115 62.6 50.3 75.5

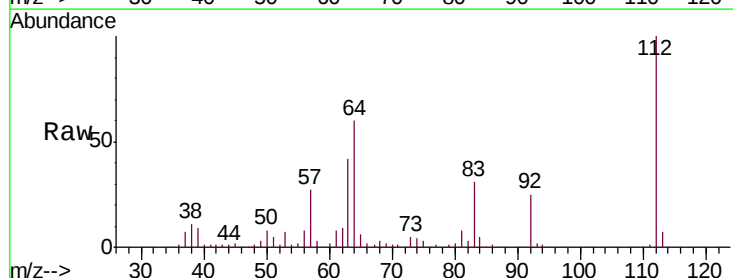


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

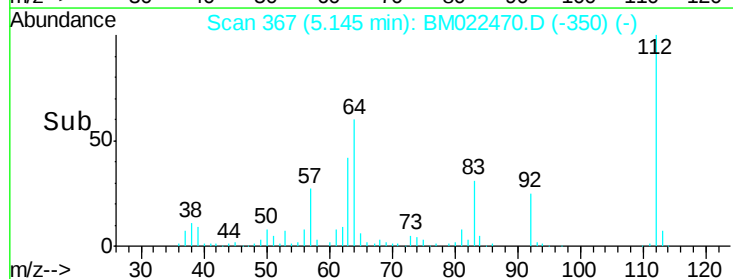
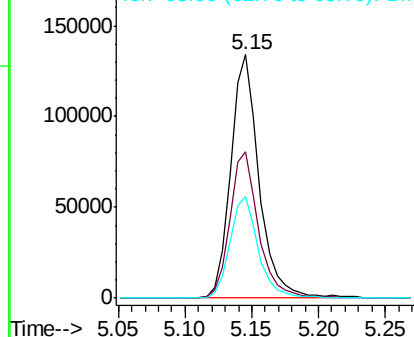


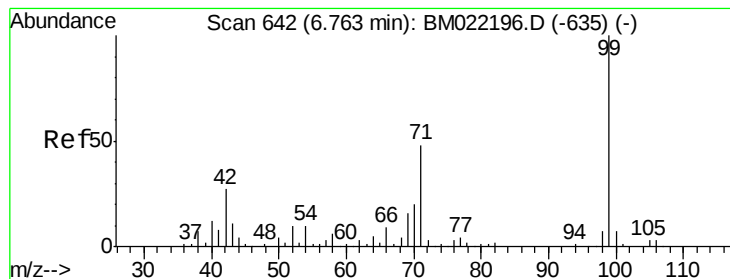
#5
 2-Fluorophenol
 Concen: 132.525 ng
 RT: 5.15 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: BM022470.D
 Acq: 31 Aug 2019 13:47

Tgt Ion:112 Resp: 198849
 Ion Ratio Lower Upper
 112 100
 64 60.2 45.4 68.2
 63 41.8 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: 126.759 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

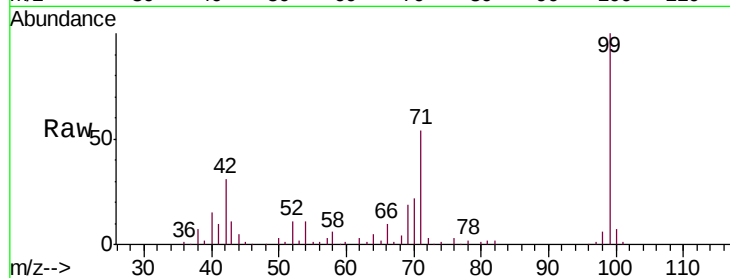
Tgt Ion: 99 Resp: 254343

Ion Ratio Lower Upper

99 100

42 31.1 26.3 39.5

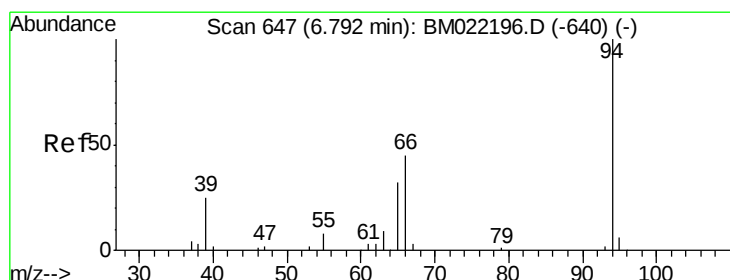
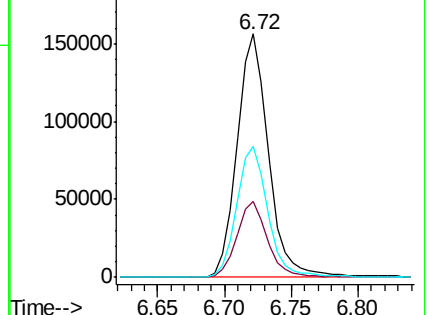
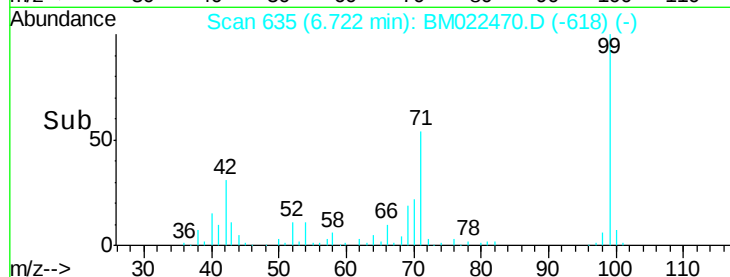
71 53.6 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022470.D (-618) (-)

Ion 42.00 (41.70 to 42.70): BM022470.D (-618) (-)

Ion 71.00 (70.70 to 71.70): BM022470.D (-618) (-)



#10

Phenol

Concen: 3.087 ng

RT: 6.75 min Scan# 639

Delta R.T. -0.01 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

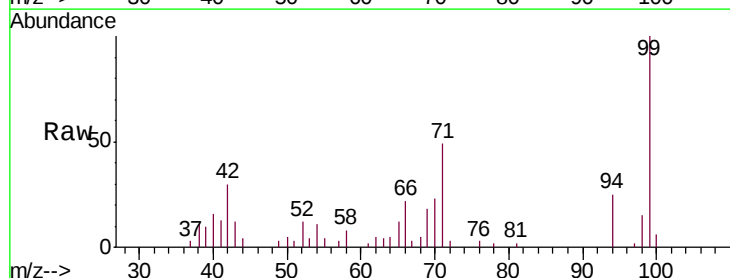
Tgt Ion: 94 Resp: 6223

Ion Ratio Lower Upper

94 100

65 47.5 17.7 57.7

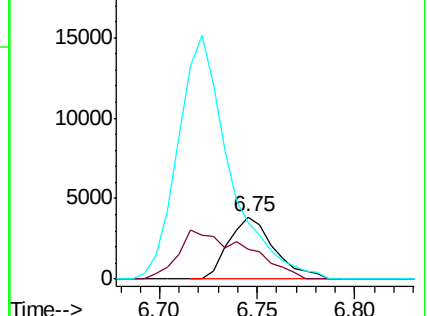
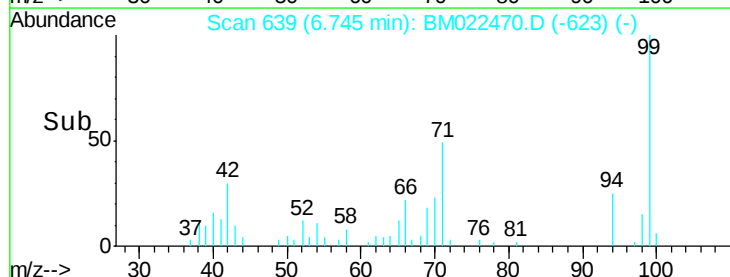
66 91.1 39.6 79.6#

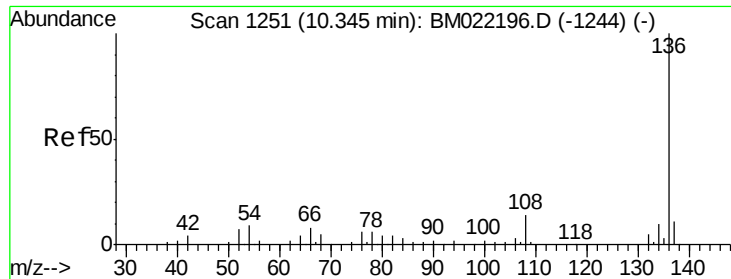


Abundance Ion 94.00 (93.70 to 94.70): BM022470.D (-623) (-)

Ion 65.00 (64.70 to 65.70): BM022470.D (-623) (-)

Ion 66.00 (65.70 to 66.70): BM022470.D (-623) (-)

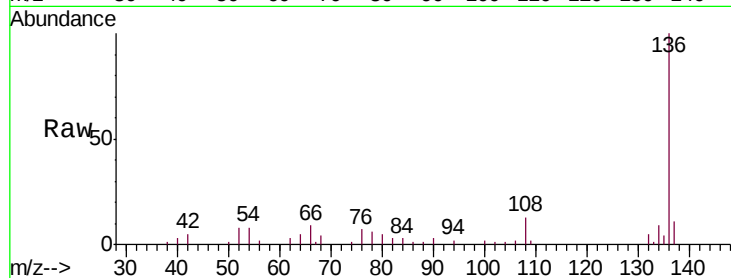




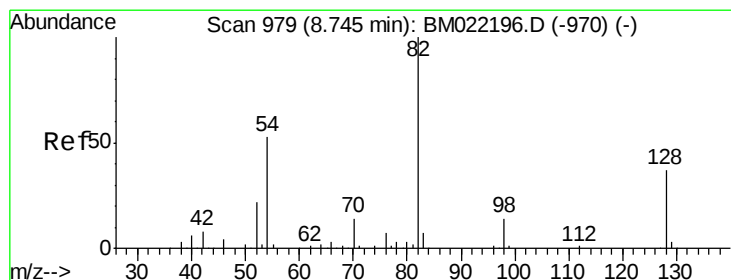
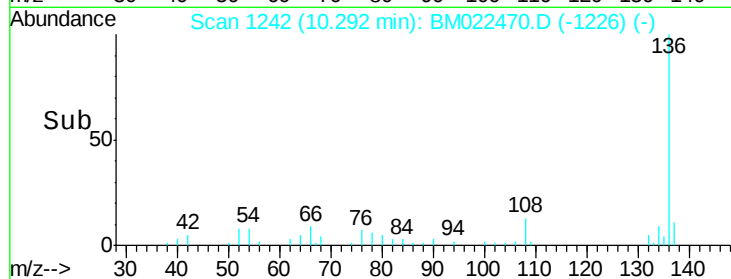
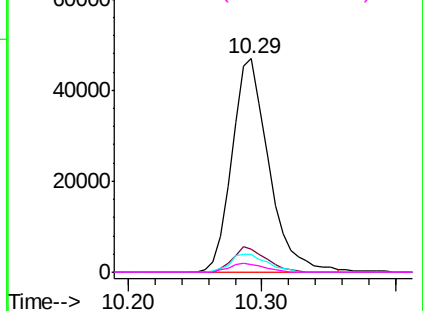
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.29 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

Tgt Ion:	136	Resp:	90023
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	7.0	10.6
68	3.9	2.9	4.3

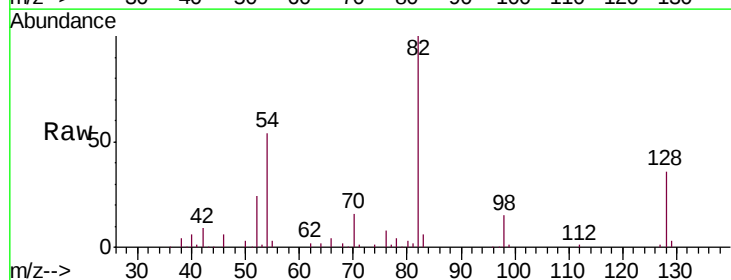


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

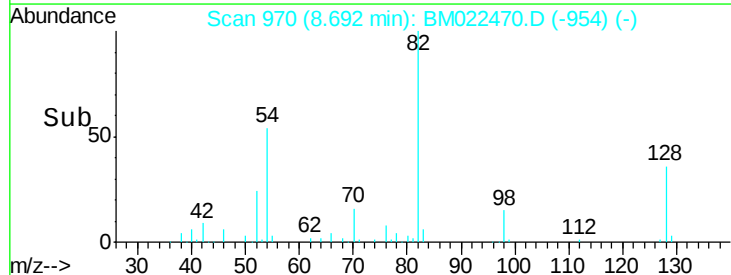
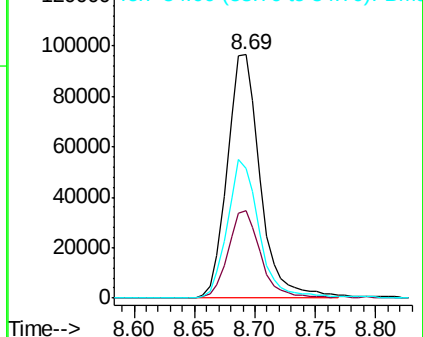


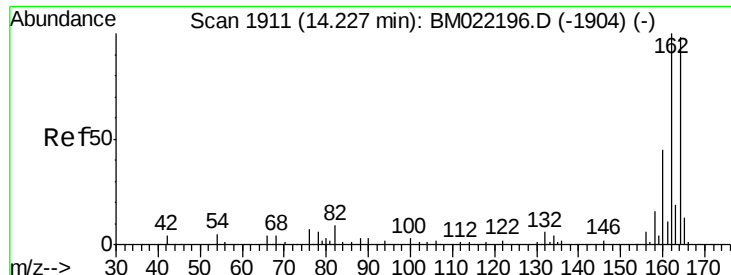
#23
Nitrobenzene-d5
Concen: 89.461 ng
RT: 8.69 min Scan# 970
Delta R.T. -0.01 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Tgt Ion:	82	Resp:	183869
Ion	Ratio	Lower	Upper
82	100		
128	36.0	27.9	41.9
54	53.5	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: BM022470.D

Acq: 31 Aug 2019 13:47

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

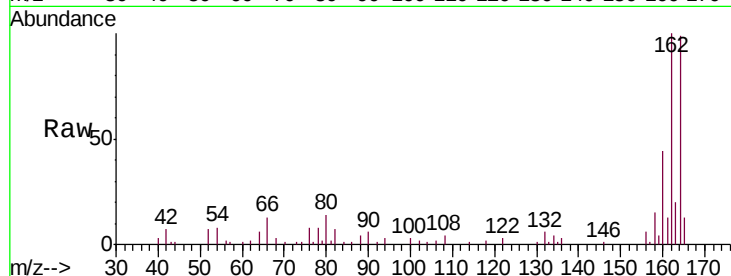
Tgt Ion:164 Resp: 58785

Ion Ratio Lower Upper

164 100

162 101.0 80.6 121.0

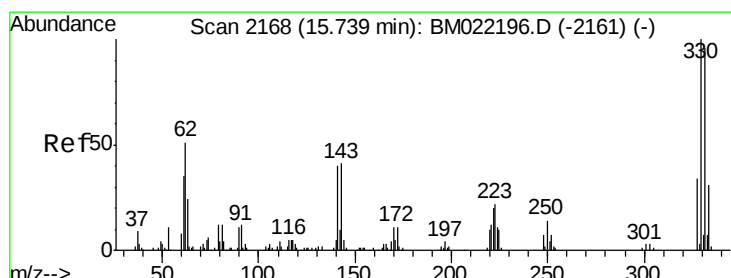
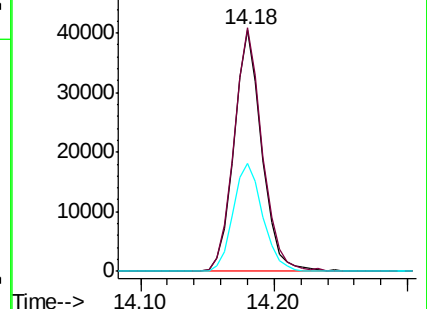
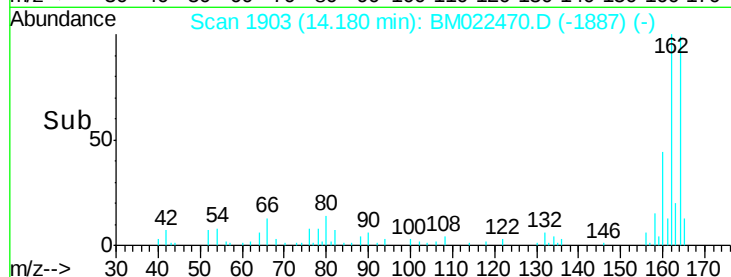
160 44.8 37.3 55.9



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: 133.140 ng

RT: 15.70 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

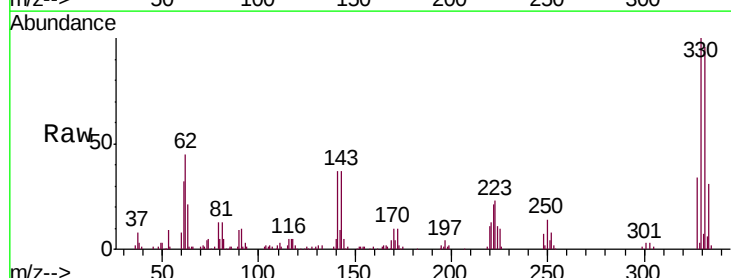
Tgt Ion:330 Resp: 160155

Ion Ratio Lower Upper

330 100

332 95.2 77.8 116.8

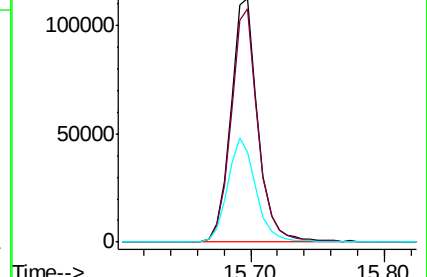
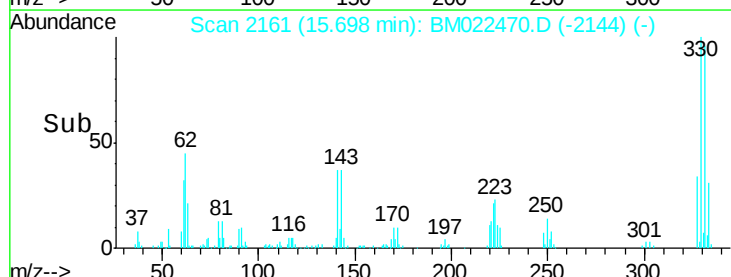
141 44.7 35.6 53.4

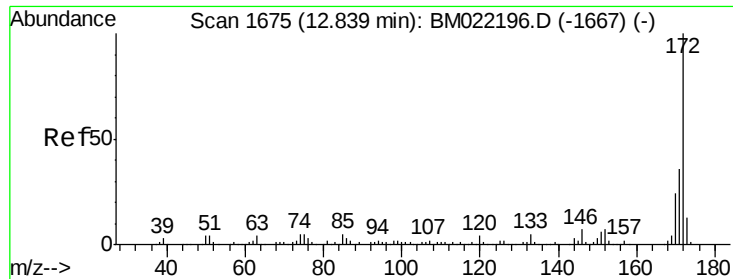


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

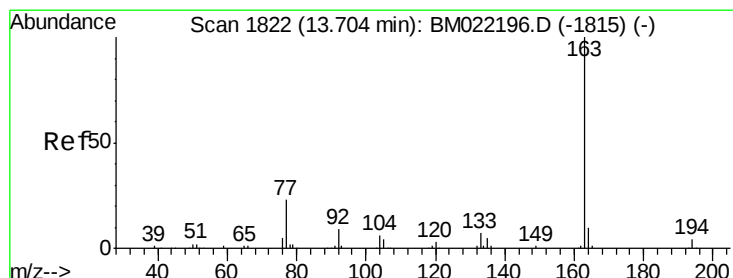
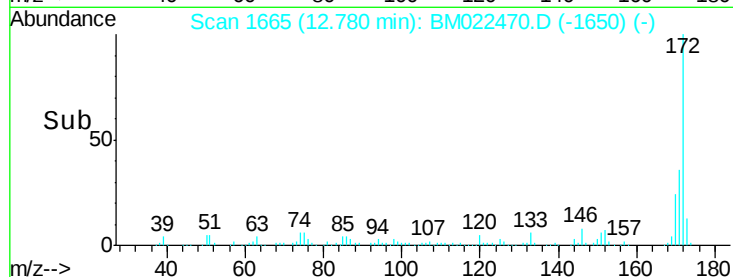
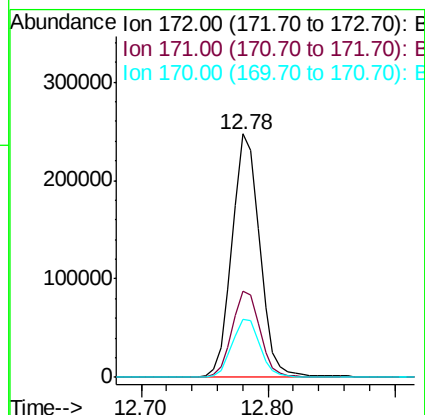
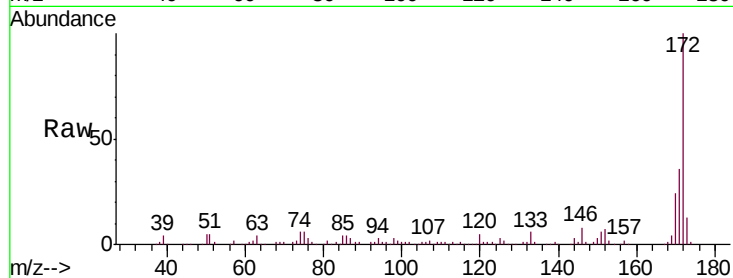




#45
2-Fluorobiphenyl
Concen: 72.267 ng
RT: 12.78 min Scan# 1665
Delta R.T. -0.01 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

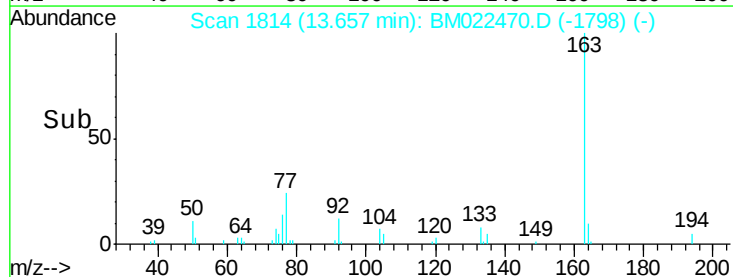
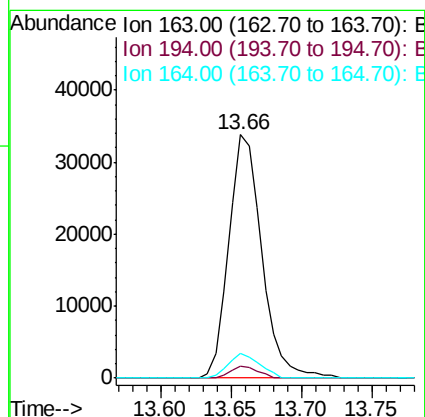
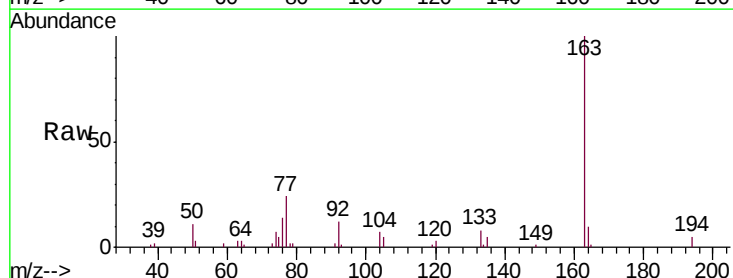
Instrument :
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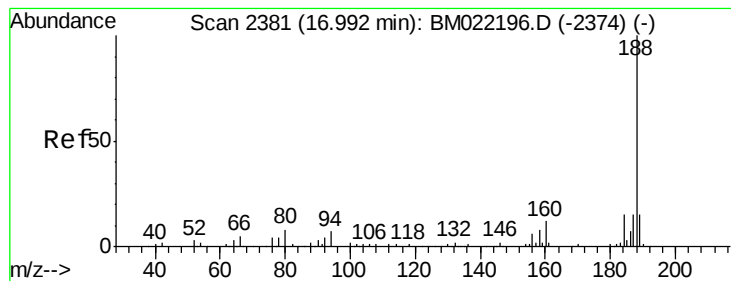
Tgt Ion:172 Resp: 375005
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 23.8 18.9 28.3



#50
Dimethylphthalate
Concen: 10.835 ng
RT: 13.66 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Tgt Ion:163 Resp: 55400
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.2
164 10.3 8.2 12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.95 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

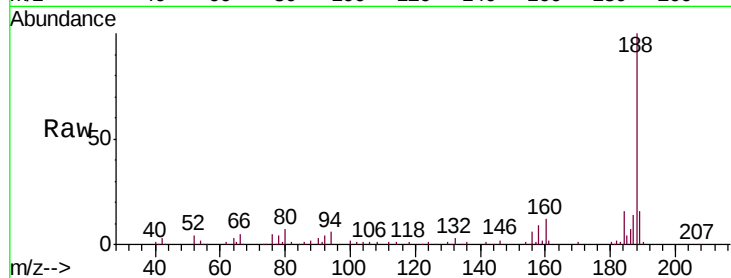
Tgt Ion:188 Resp: 131518

Ion Ratio Lower Upper

188 100

94 6.0 4.4 6.6

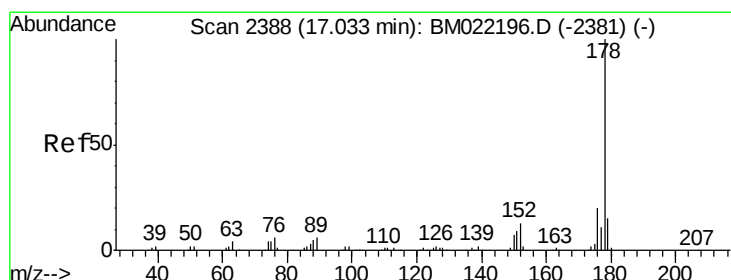
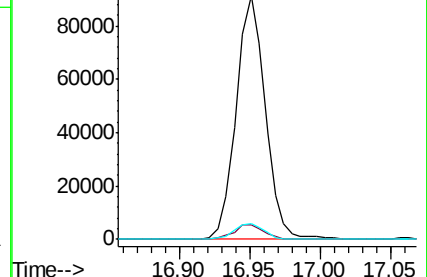
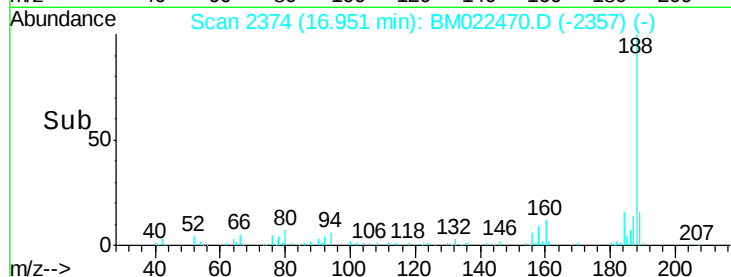
80 6.7 5.0 7.6



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: 2.607 ng

RT: 17.00 min Scan# 2382

Delta R.T. -0.00 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

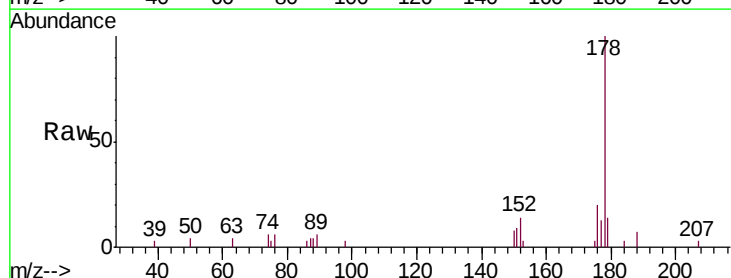
Tgt Ion:178 Resp: 19982

Ion Ratio Lower Upper

178 100

176 20.5 15.4 23.2

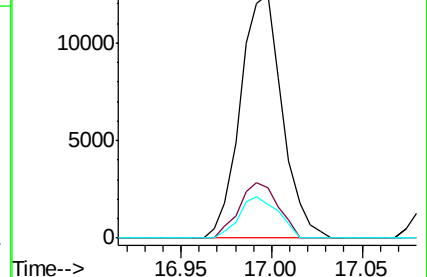
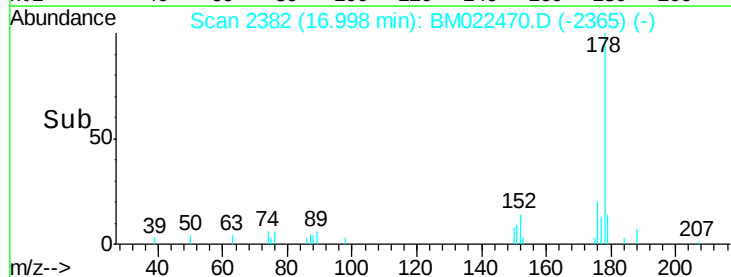
179 13.8 12.3 18.5

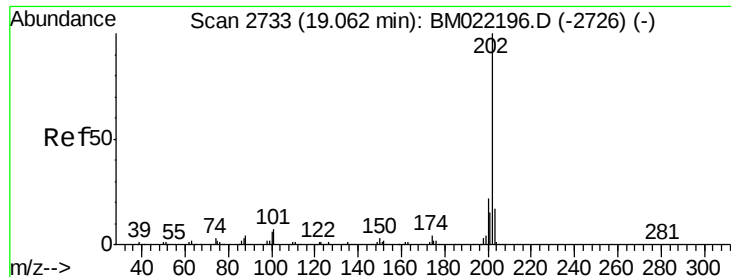


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.704 ng

RT: 19.02 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

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SB-16-COMP

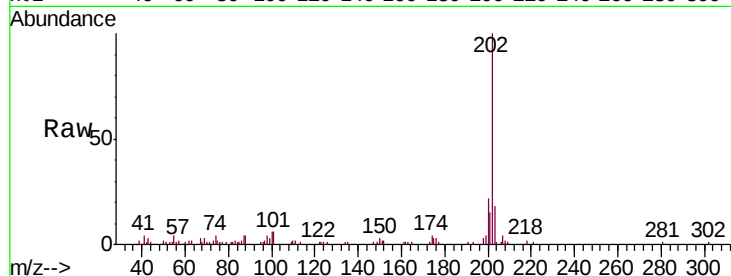
Tgt Ion:202 Resp: 68440

Ion Ratio Lower Upper

202 100

101 6.3 0.0 25.1

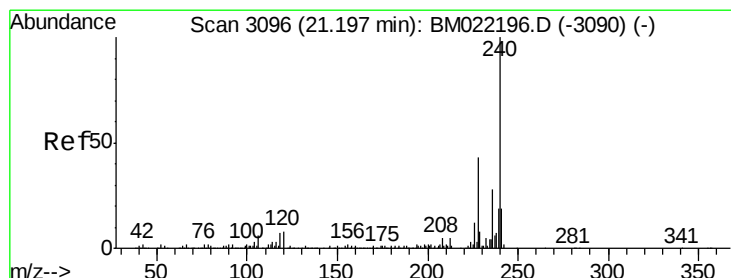
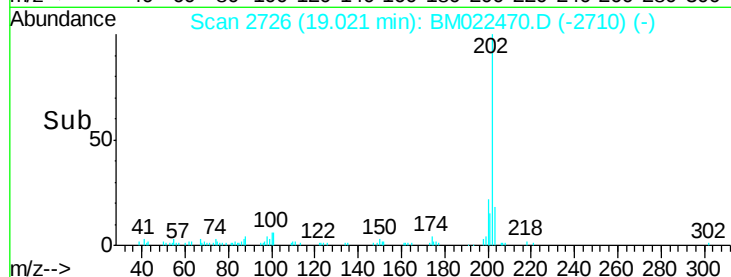
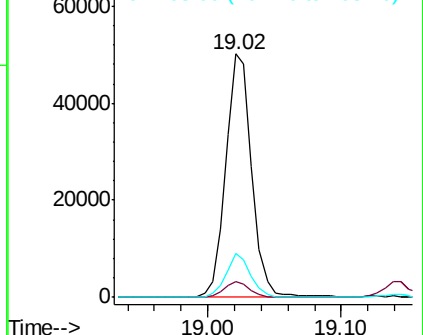
203 17.9 0.0 37.1



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: BM022470.D

Acq: 31 Aug 2019 13:47

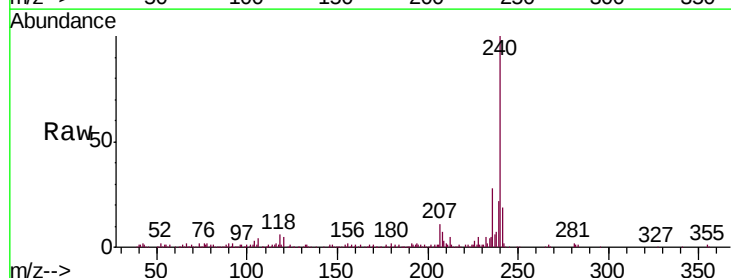
Tgt Ion:240 Resp: 175871

Ion Ratio Lower Upper

240 100

120 5.2 3.9 5.9

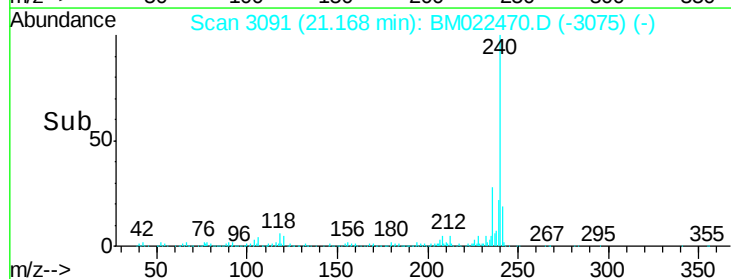
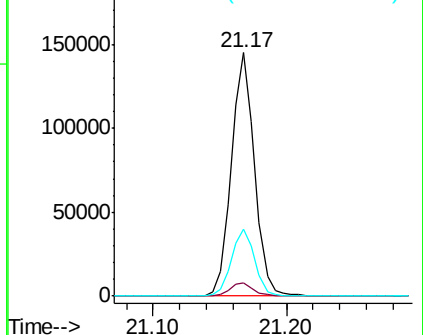
236 27.6 21.4 32.2

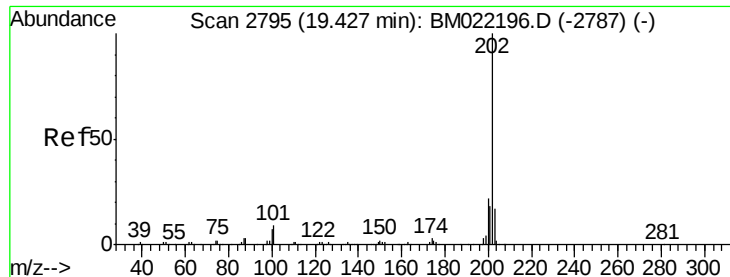


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 5.912 ng

RT: 19.39 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

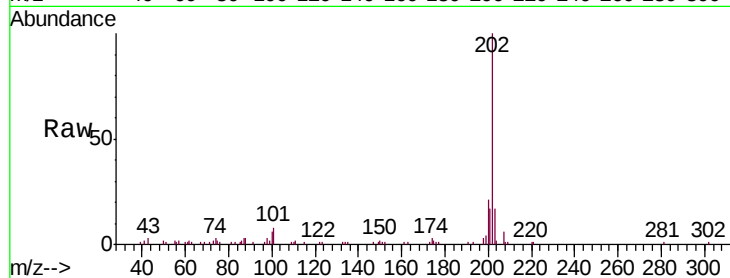
Tgt Ion:202 Resp: 70856

Ion Ratio Lower Upper

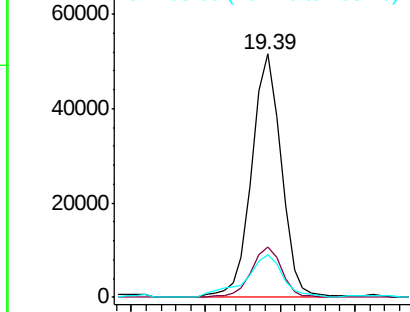
202 100

200 20.8 17.7 26.5

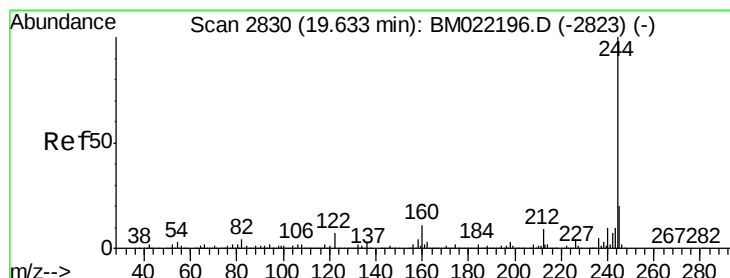
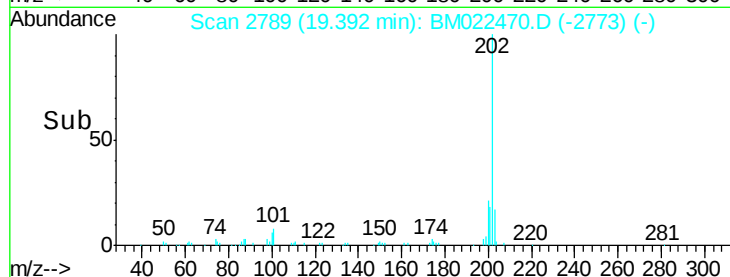
203 17.3 13.8 20.8



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



Time--> 19.30 19.35 19.40 19.45



#79

Terphenyl-d14

Concen: 67.285 ng

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

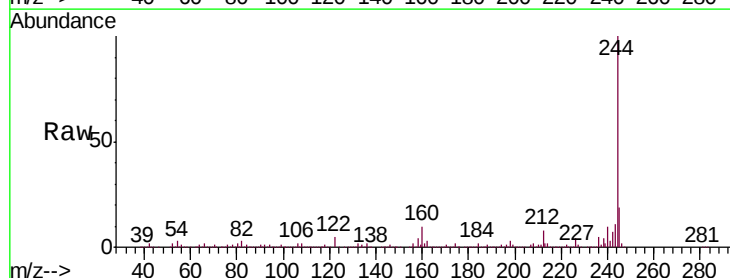
Tgt Ion:244 Resp: 896645

Ion Ratio Lower Upper

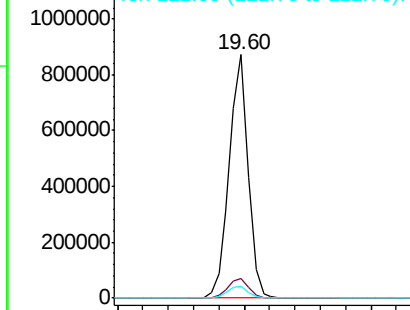
244 100

212 8.2 7.0 10.4

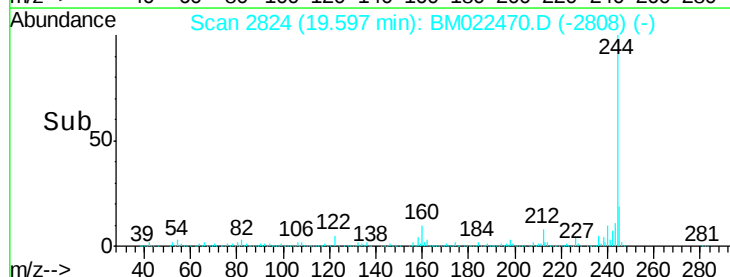
122 4.7 3.9 5.9

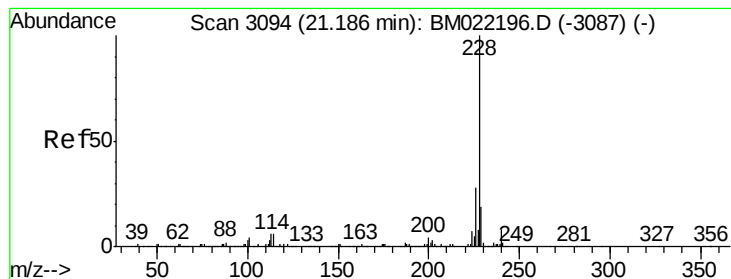


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time--> 19.50 19.60 19.70





#81

Benzo(a)anthracene

Concen: 3.744 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

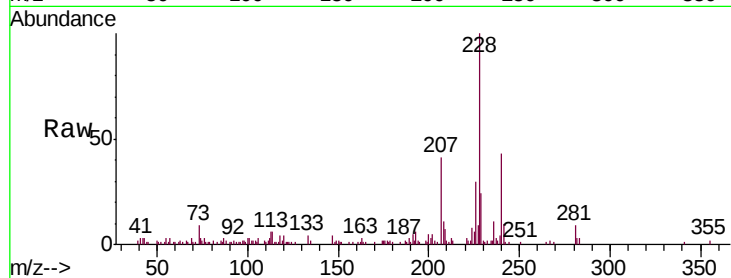
Tgt Ion:228 Resp: 47264

Ion Ratio Lower Upper

228 100

226 29.9 22.6 34.0

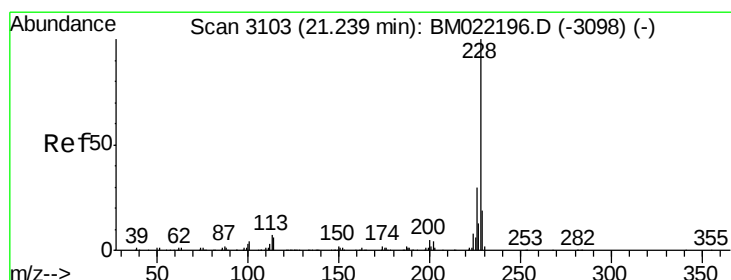
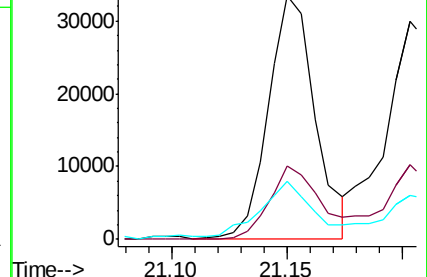
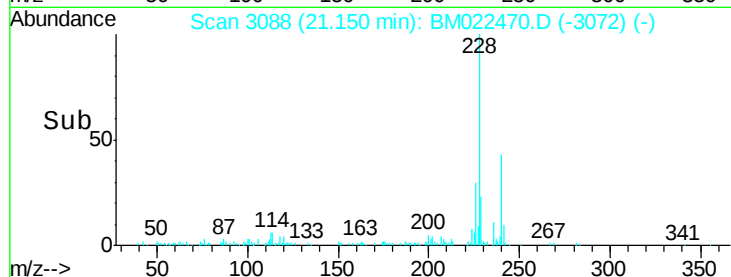
229 24.0 15.9 23.9#



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: 3.765 ng

RT: 21.20 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

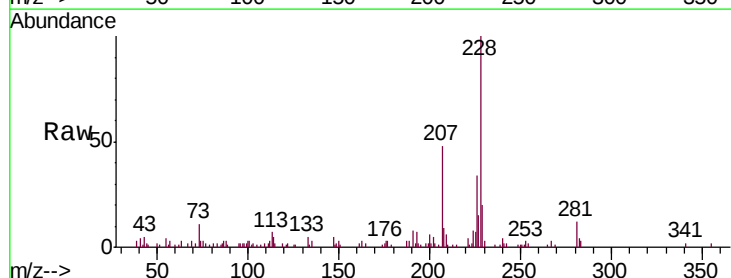
Tgt Ion:228 Resp: 45241

Ion Ratio Lower Upper

228 100

226 34.2 24.5 36.7

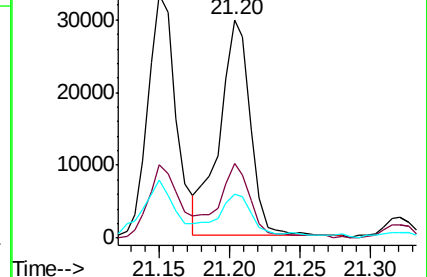
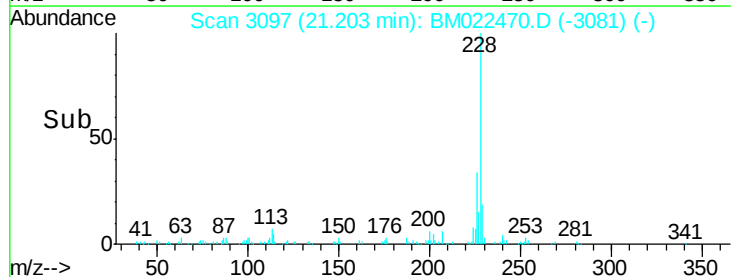
229 20.2 15.7 23.5

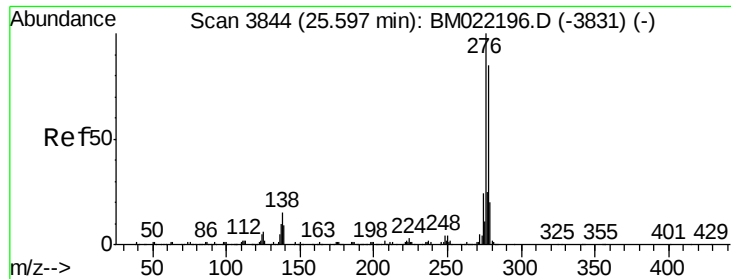


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

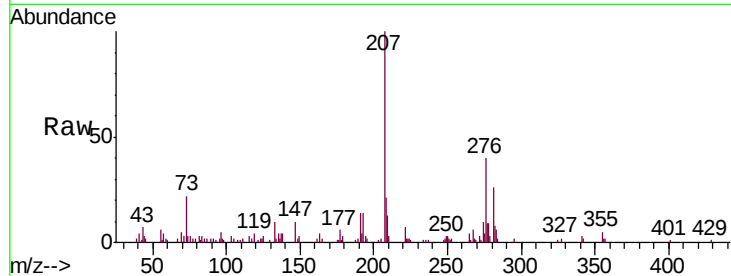




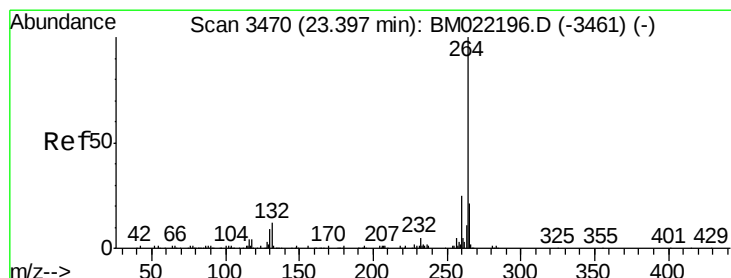
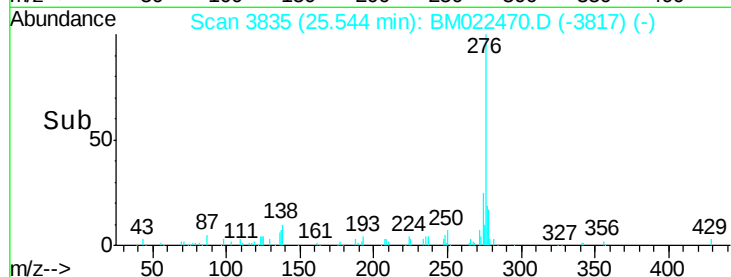
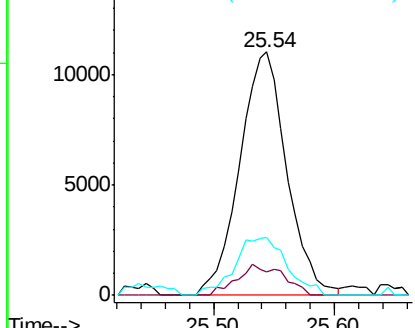
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.475 ng
 RT: 25.54 min Scan# 3835
 Delta R.T. 0.01 min
 Lab File: BM022470.D
 Acq: 31 Aug 2019 13:47

Instrument :
 BNA_M
 ClientSampleId :
 SB-16-COMP

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.3	9.1	13.7
277	26.5	20.0	30.0

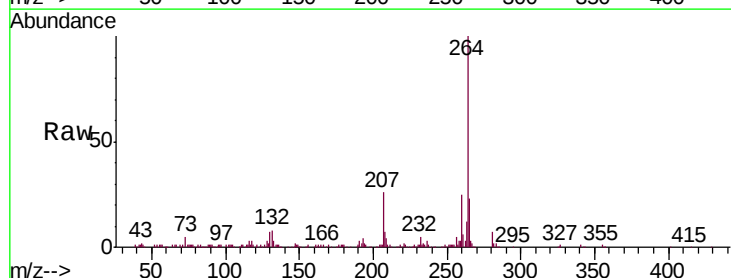


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

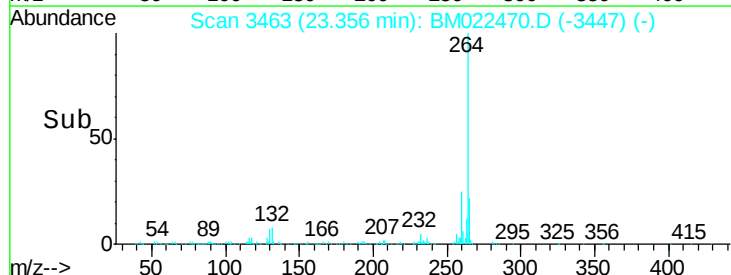
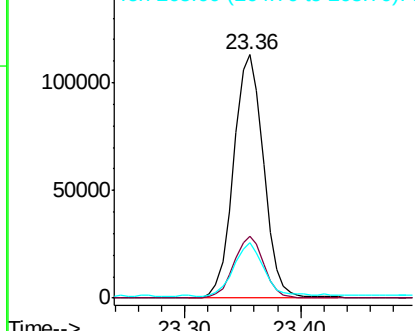


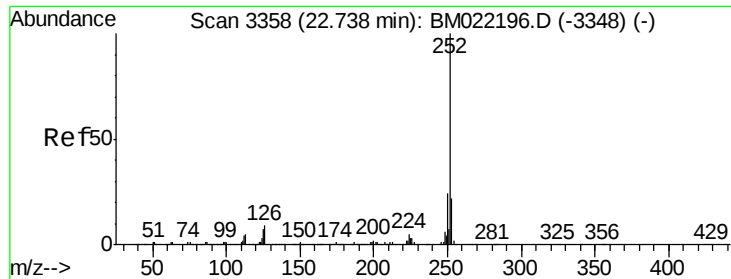
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.36 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BM022470.D
 Acq: 31 Aug 2019 13:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	22.7	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: 5.375 ng

RT: 22.71 min Scan# 3353

Delta R.T. -0.00 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

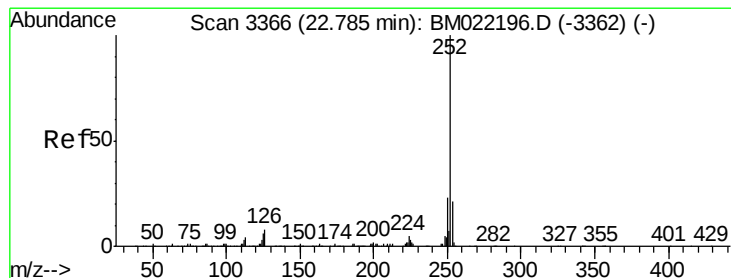
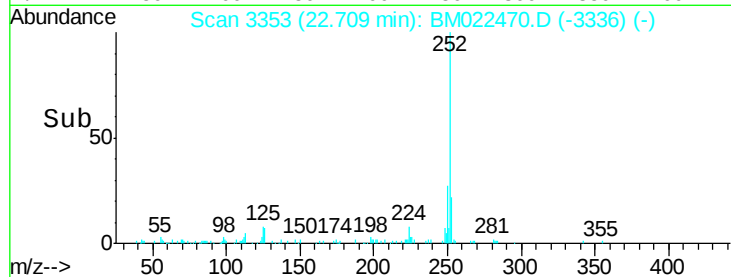
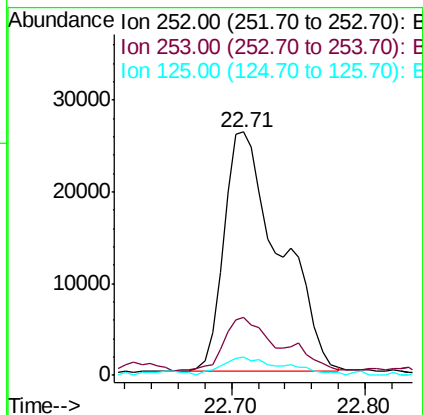
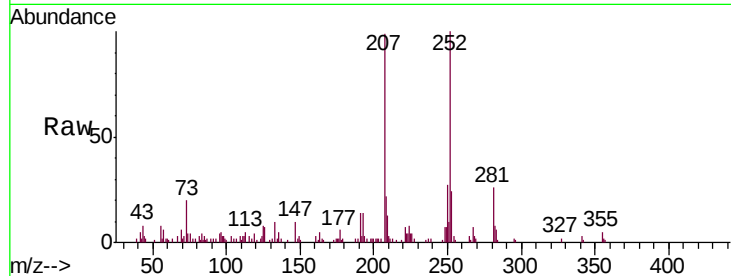
Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

Tgt Ion:	252	Resp:	76182
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.9	26.9
125	7.6	3.5	5.3#



#89

Benzo(k)fluoranthene

Concen: 5.426 ng

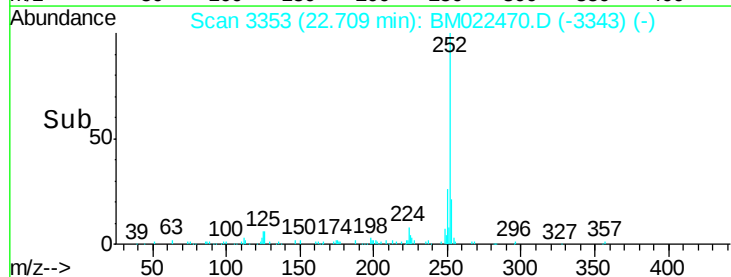
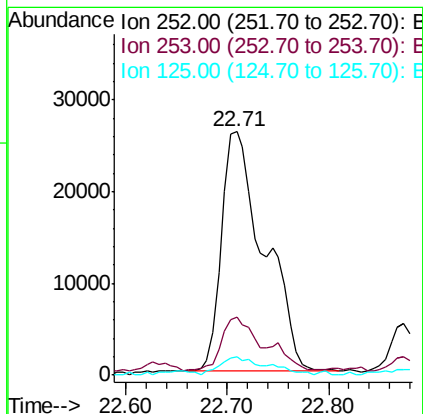
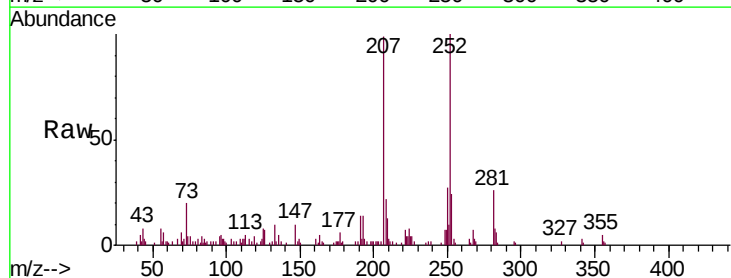
RT: 22.71 min Scan# 3353

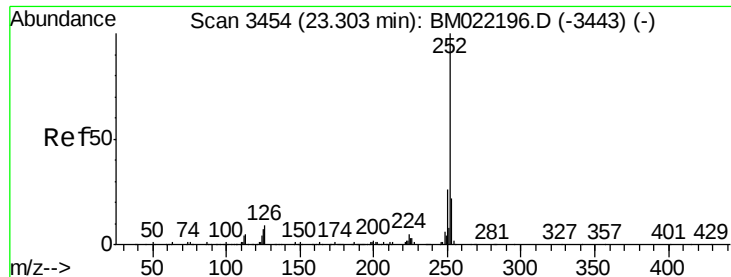
Delta R.T. -0.04 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

Tgt Ion:	252	Resp:	76293
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.0	25.4
125	7.6	3.7	5.5#





#90

Benzo(a)pyrene

Concen: 3.443 ng

RT: 23.26 min Scan# 3447

Delta R.T. -0.01 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

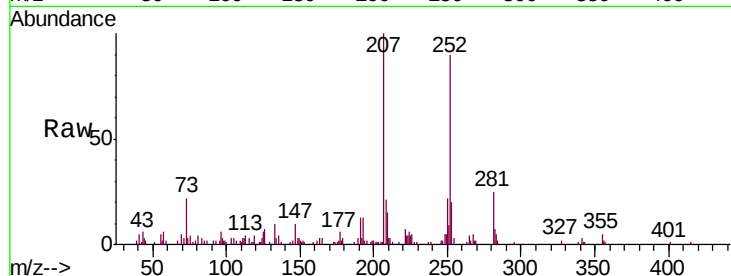
Tgt Ion: 252 Resp: 43308

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

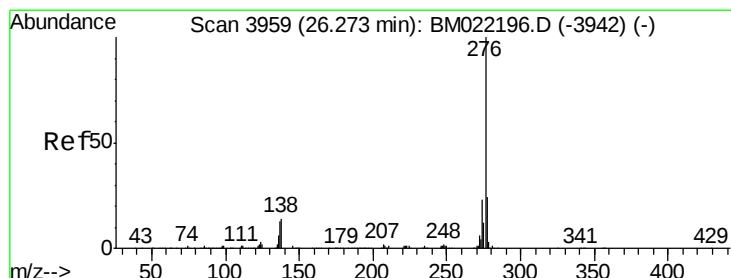
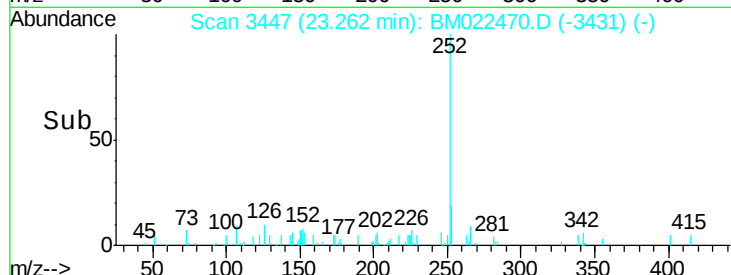
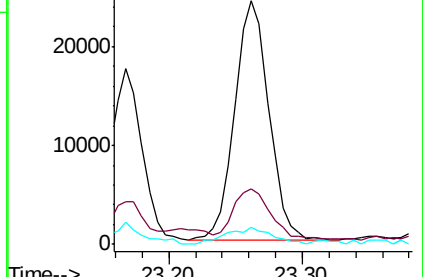
125 7.2 3.8 5.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.742 ng

RT: 26.21 min Scan# 3949

Delta R.T. -0.00 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

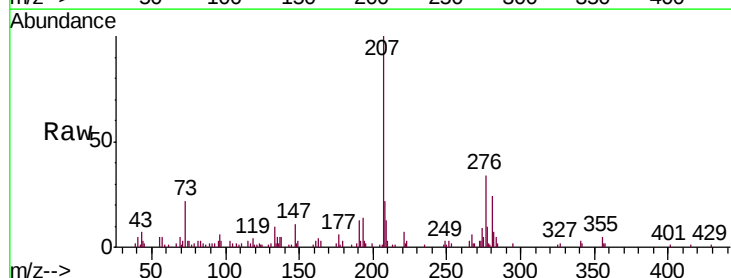
Tgt Ion: 276 Resp: 29978

Ion Ratio Lower Upper

276 100

277 27.7 19.4 29.0

138 14.2 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

