

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083119\
 Data File : BM022468.D
 Acq On : 31 Aug 2019 12:34
 Operator : HP/JU
 Sample : K4568-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-18-COMP

Quant Time: Aug 31 16:01:31 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	26078	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	92807	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	59185	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	133143	20.00	ng	0.00
76) Chrysene-d12	21.17	240	174579	20.00	ng	0.00
87) Perylene-d12	23.36	264	204688	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.15	112	210498	141.69	ng	0.00
7) Phenol-d6	6.72	99	269677	135.74	ng	0.00
23) Nitrobenzene-d5	8.69	82	193728	91.43	ng	0.00
42) 2,4,6-Tribromophenol	15.69	330	170309	140.62	ng	0.00
45) 2-Fluorobiphenyl	12.78	172	447068	85.57	ng	-0.01
79) Terphenyl-d14	19.60	244	1083591	81.92	ng	0.00

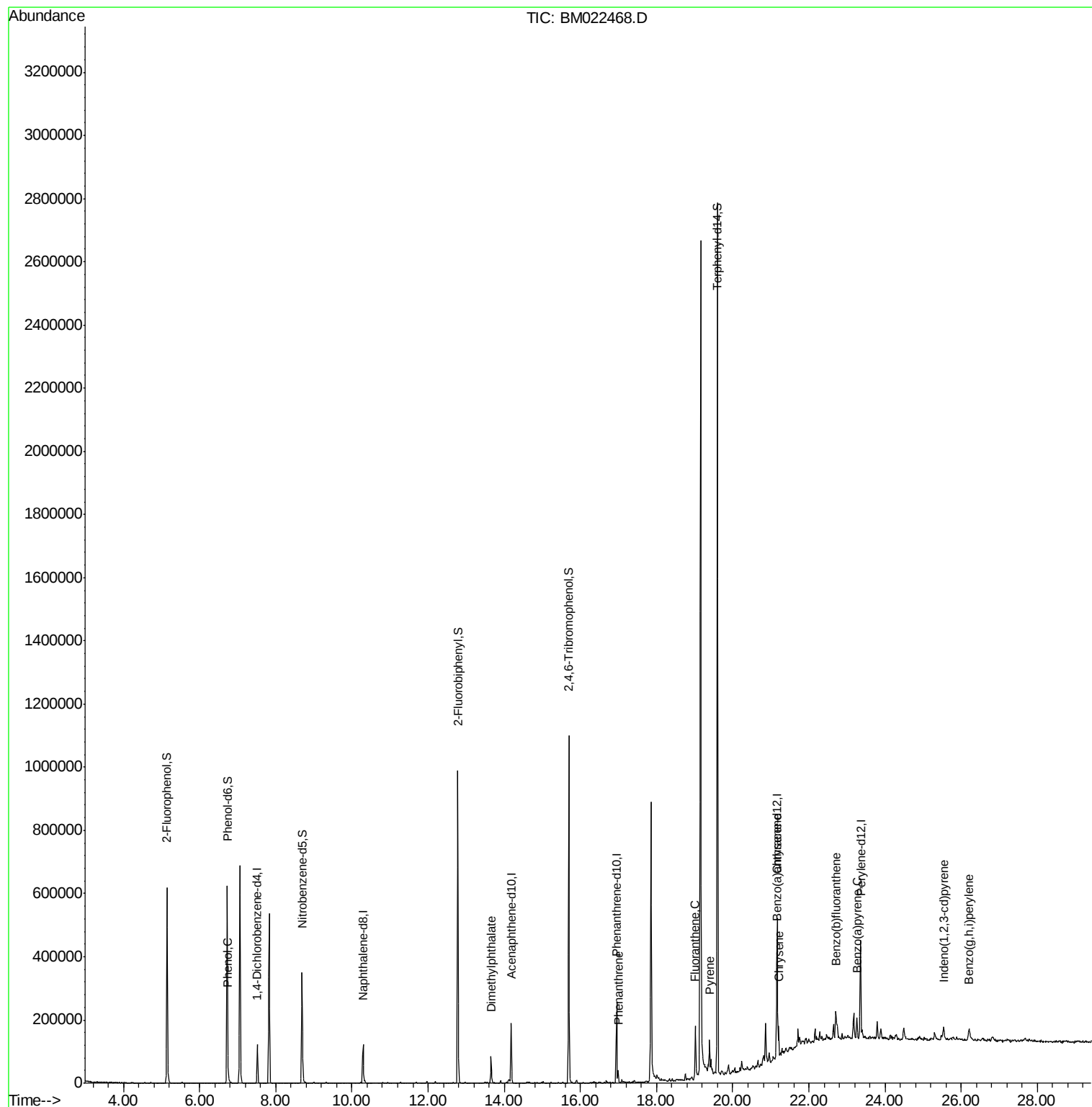
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.75	94	6155	3.084	ng	# 52
50) Dimethylphthalate	13.66	163	47868	9.299	ng	98
71) Phenanthrene	16.99	178	22289	2.872	ng	96
75) Fluoranthene	19.02	202	60625	5.866	ng	94
78) Pyrene	19.39	202	62344	5.240	ng	96
81) Benzo(a)anthracene	21.15	228	45088	3.598	ng	96
83) Chrysene	21.20	228	44185	3.705	ng	93
86) Indeno(1,2,3-cd)pyrene	25.54	276	31350	2.613	ng	93
88) Benzo(b)fluoranthene	22.70	252	60889	4.282	ng	# 99
90) Benzo(a)pyrene	23.26	252	40471	3.207	ng	# 95
92) Benzo(g,h,i)perylene	26.21	276	32341	2.948	ng	# 92

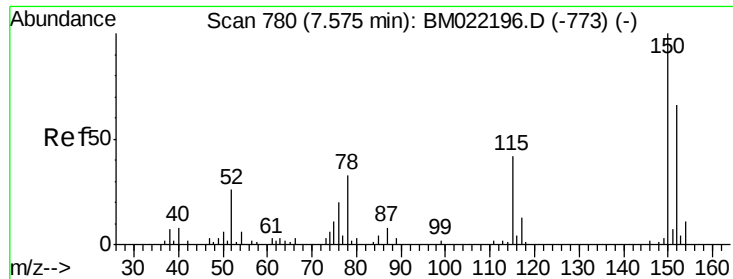
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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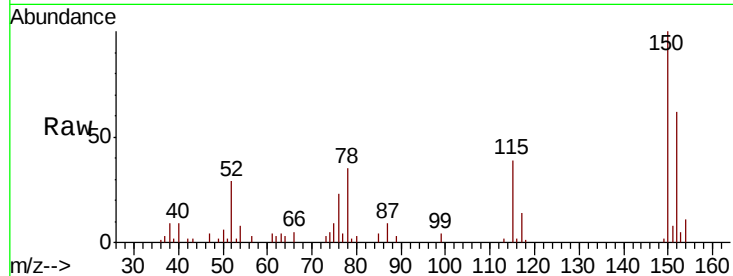


#1

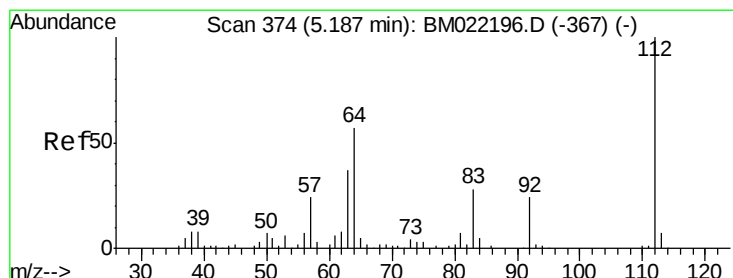
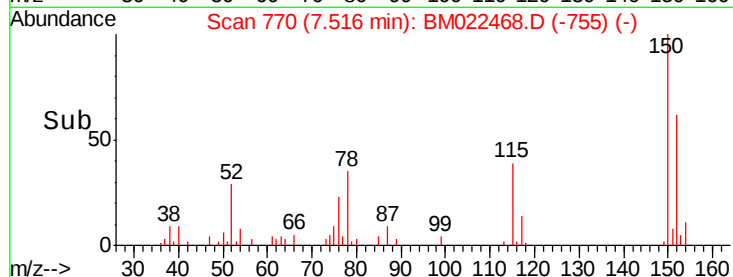
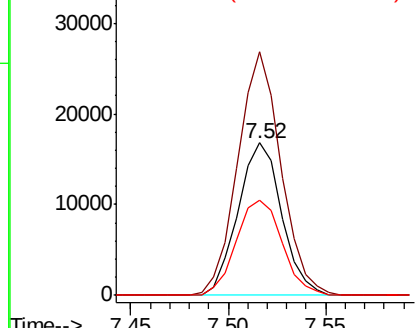
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.52 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BM022468.D
 Acq: 31 Aug 2019 12:34

Instrument :
 BNA_M
 ClientSampleId :
 SB-18-COMP

Tot Ion:152 Resp: 26078
 Ion Ratio Lower Upper
 152 100
 150 160.0 125.4 188.0
 115 62.4 50.3 75.5



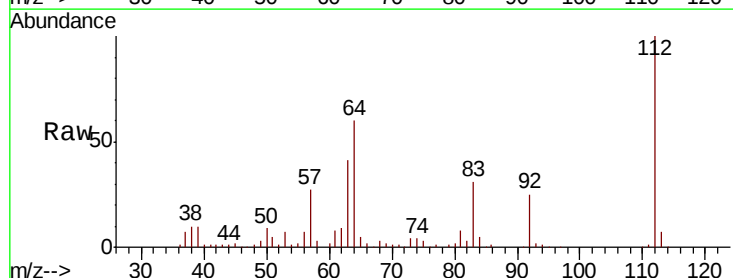
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



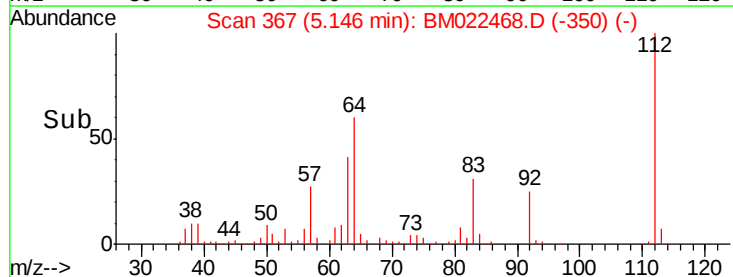
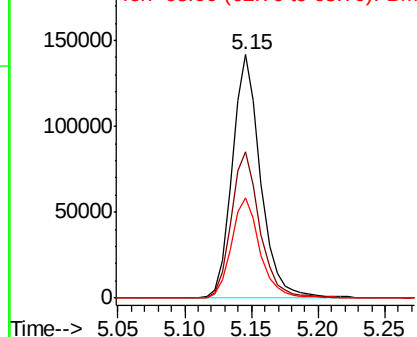
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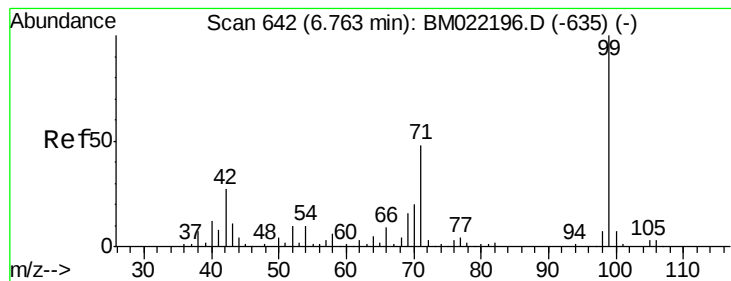
2-Fluorophenol
 Concen: 141.688 ng
 RT: 5.15 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: BM022468.D
 Acq: 31 Aug 2019 12:34

Tgt Ion:112 Resp: 210498
 Ion Ratio Lower Upper
 112 100
 64 60.1 45.4 68.2
 63 41.2 34.5 51.7



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BM0
 Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 135.741 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022468.D

Acq: 31 Aug 2019 12:34

Instrument :

BNA_M

ClientSampleId :

SB-18-COMP

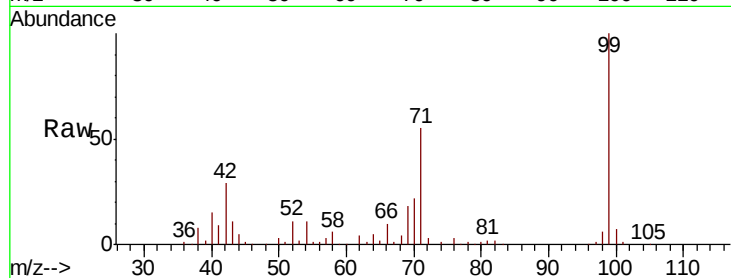
Tot Ion: 99 Resp: 269677

Ion Ratio Lower Upper

99 100

42 29.5 26.3 39.5

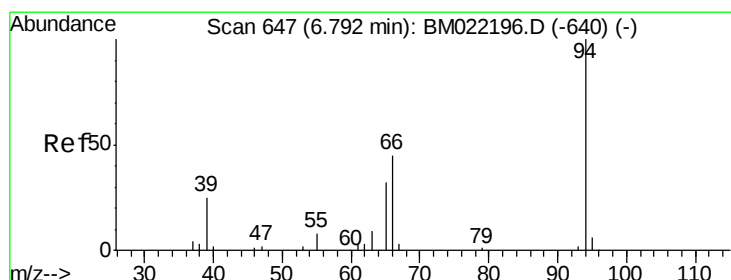
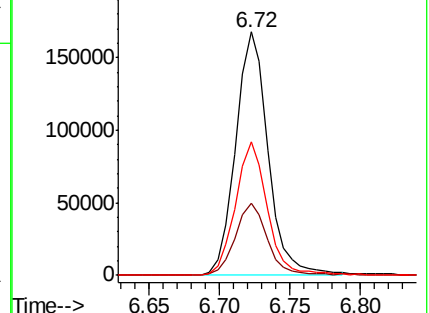
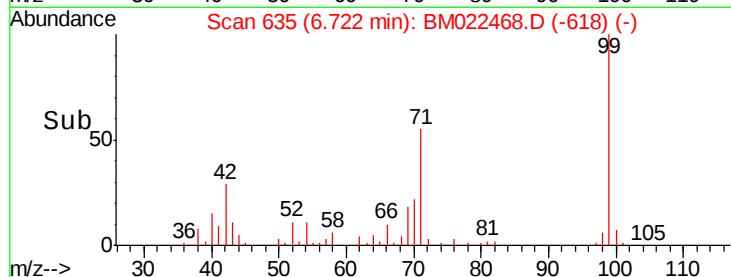
71 54.8 46.6 69.8



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) (-)



#10

Phenol

Concen: 3.084 ng

RT: 6.75 min Scan# 639

Delta R.T. -0.01 min

Lab File: BM022468.D

Acq: 31 Aug 2019 12:34

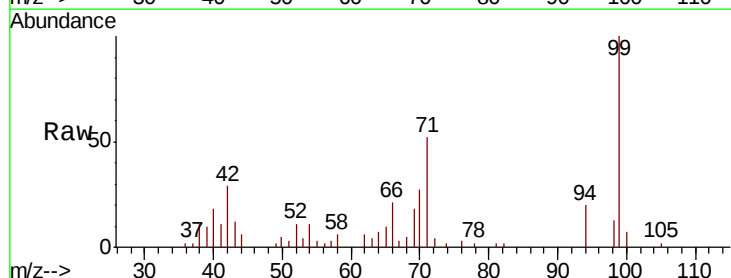
Tgt Ion: 94 Resp: 6155

Ion Ratio Lower Upper

94 100

65 52.9 17.7 57.7

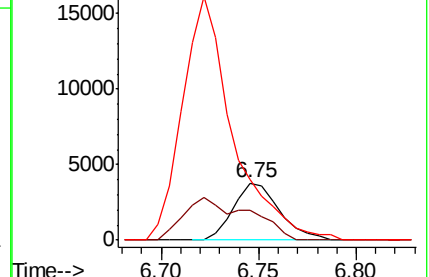
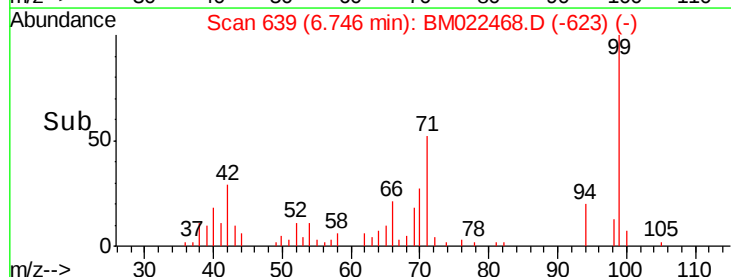
66 106.4 39.6 79.6#

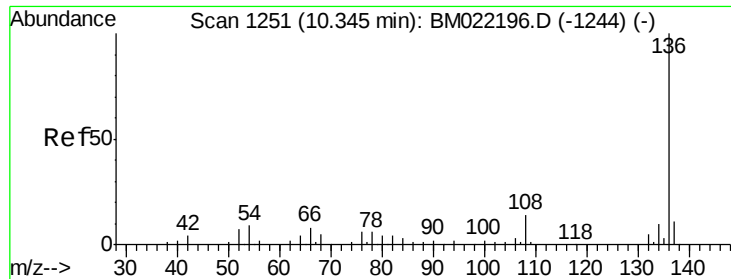


Abundance Ion 94.00 (93.70 to 94.70): BM022196.D (-640) (-)

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

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

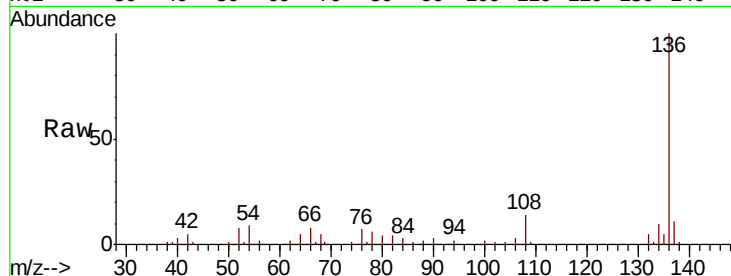




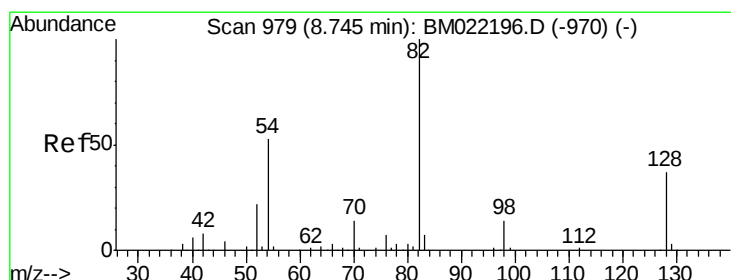
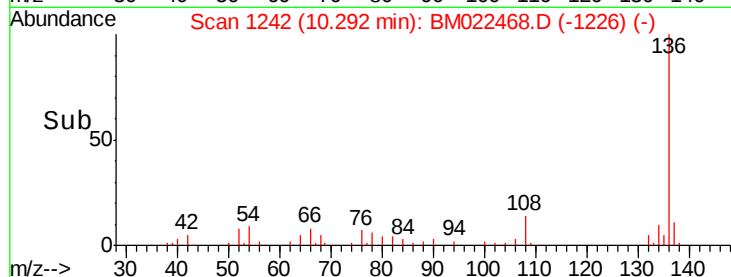
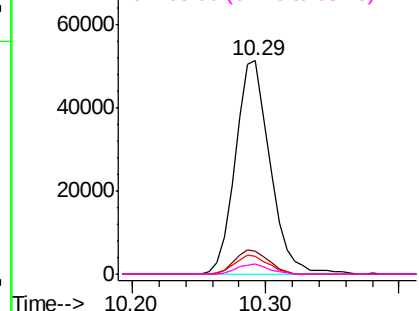
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.29 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BM022468.D
Acq: 31 Aug 2019 12:34

Instrument :
BNA_M
ClientSampleId :
SB-18-COMP

Tot Ion:	136	Resp:	92807
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.6	7.0	10.6
68	5.1	2.9	4.3#

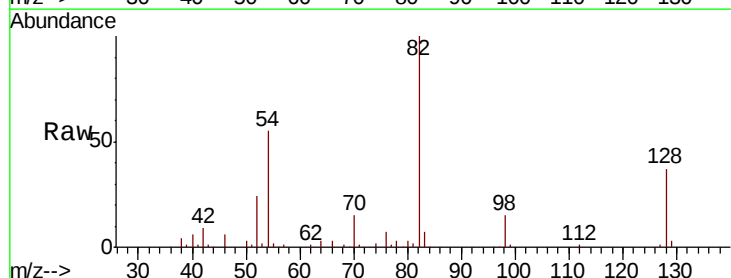


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

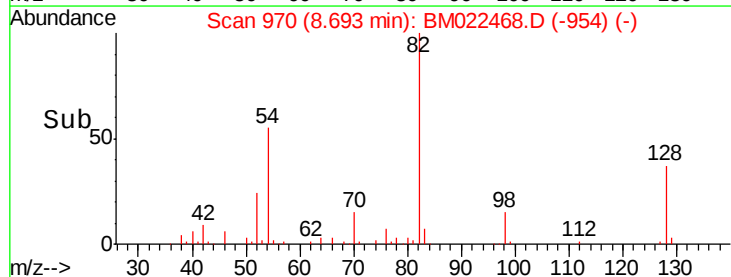
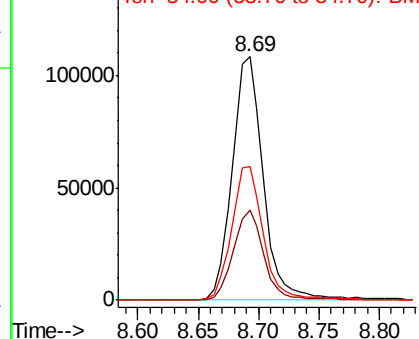


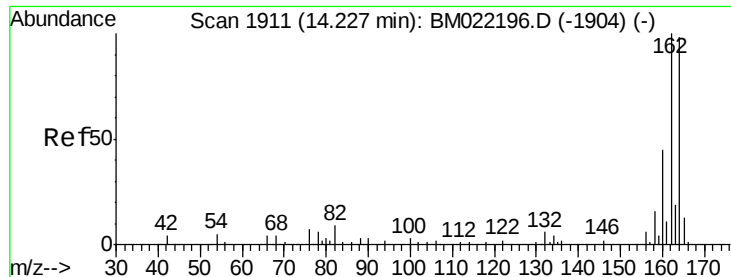
#23
Nitrobenzene-d5
Concen: 91.430 ng
RT: 8.69 min Scan# 970
Delta R.T. -0.01 min
Lab File: BM022468.D
Acq: 31 Aug 2019 12:34

Tgt Ion:	82	Resp:	193728
Ion	Ratio	Lower	Upper
82	100		
128	36.8	27.9	41.9
54	54.8	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

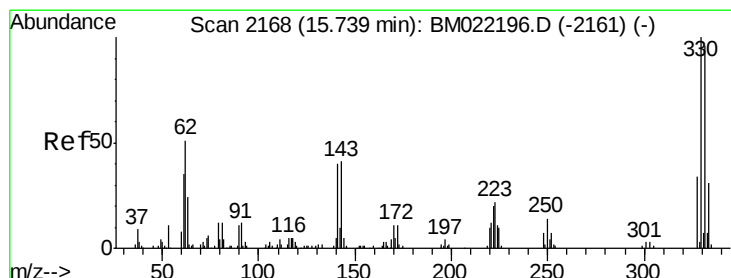
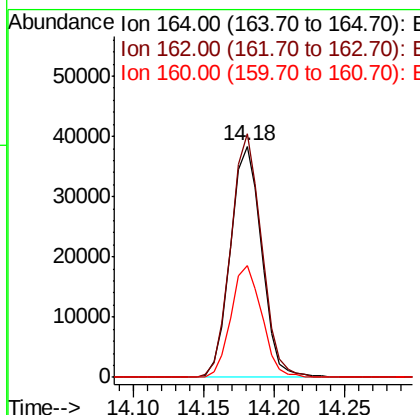
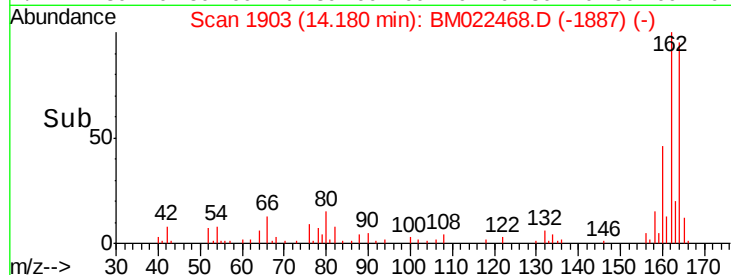
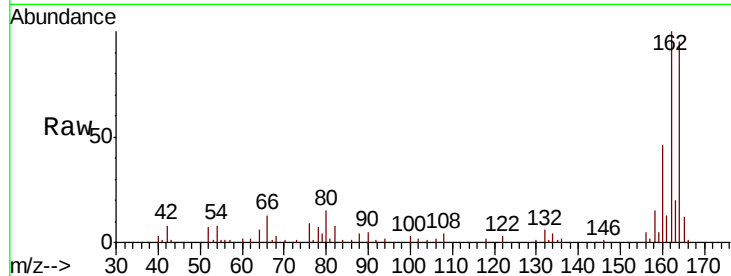




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.18 min Scan# 1903
 Delta R.T. -0.01 min
 Lab File: BM022468.D
 Acq: 31 Aug 2019 12:34

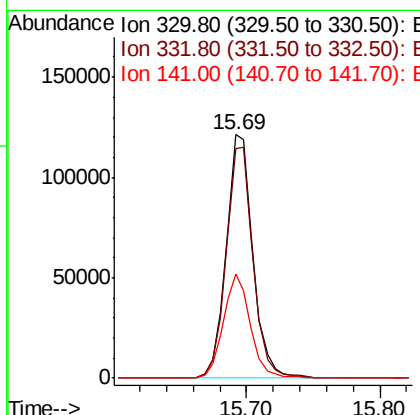
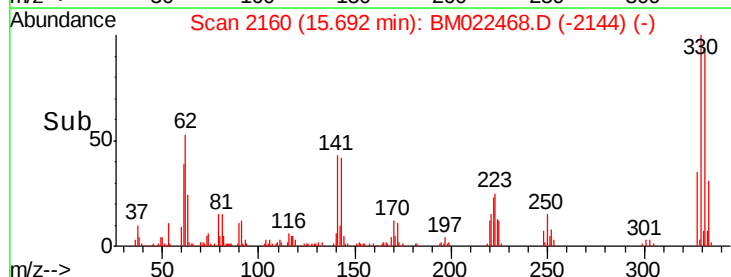
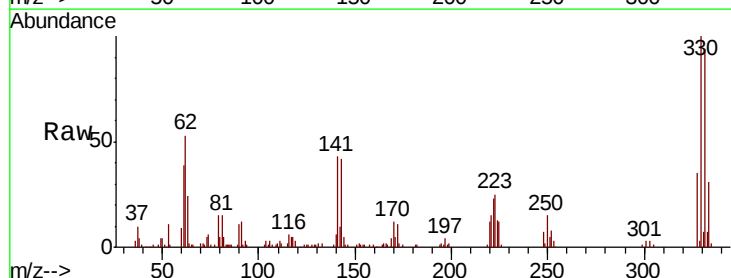
Instrument :
 BNA_M
 ClientSampleId :
 SB-18-COMP

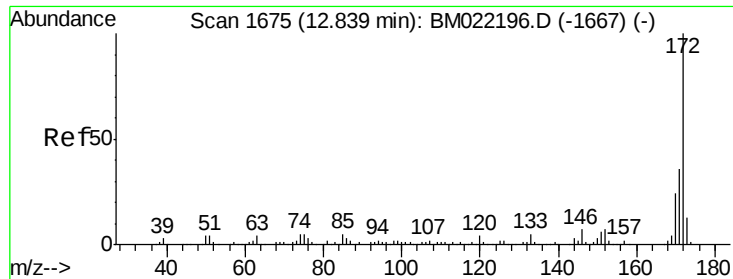
Tot Ion:164 Resp: 59185
 Ion Ratio Lower Upper
 164 100
 162 105.4 80.6 121.0
 160 48.2 37.3 55.9



#42
 2,4,6-Tribromophenol
 Concen: 140.625 ng
 RT: 15.69 min Scan# 2160
 Delta R.T. -0.01 min
 Lab File: BM022468.D
 Acq: 31 Aug 2019 12:34

Tgt Ion:330 Resp: 170309
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.8 116.8
 141 43.1 35.6 53.4

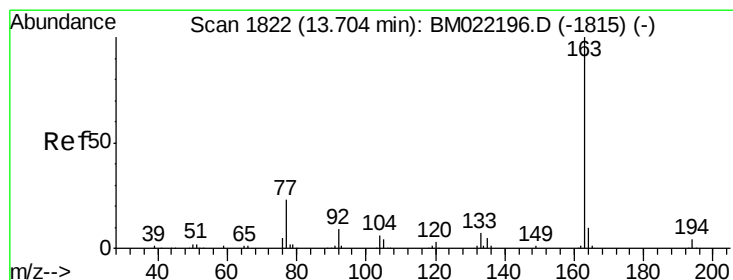
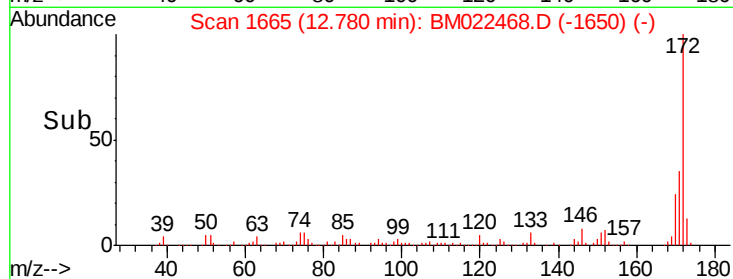
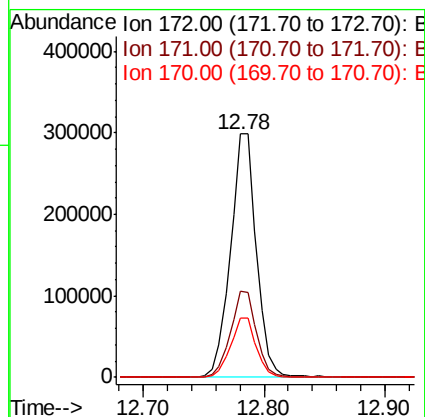
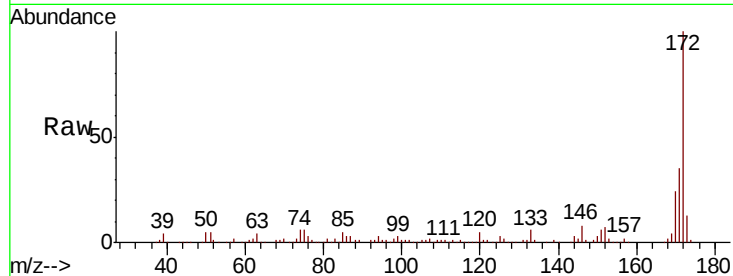




#45
2-Fluorobiphenyl
Concen: 85.572 ng
RT: 12.78 min Scan# 1665
Delta R.T. -0.01 min
Lab File: BM022468.D
Acq: 31 Aug 2019 12:34

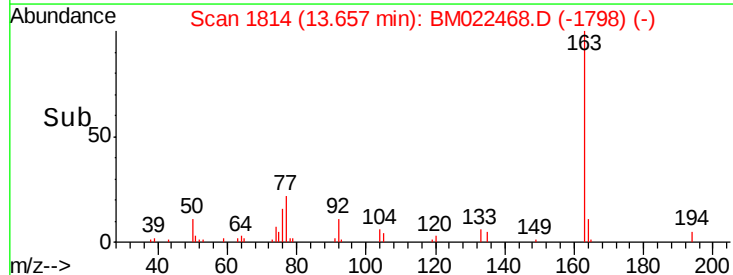
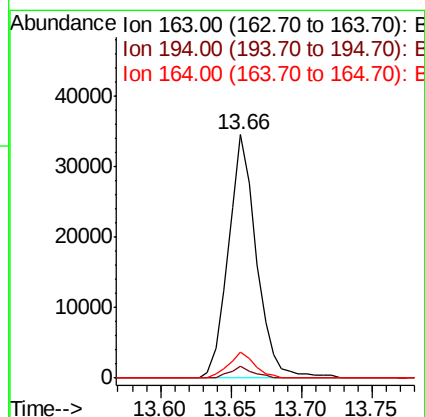
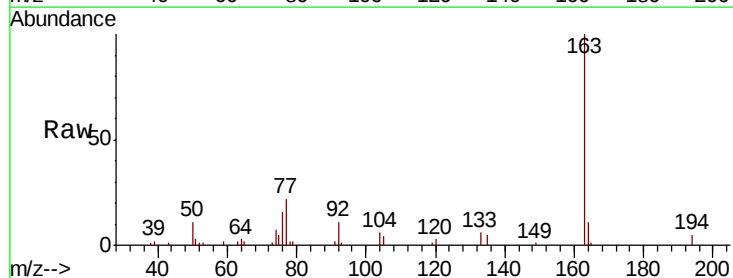
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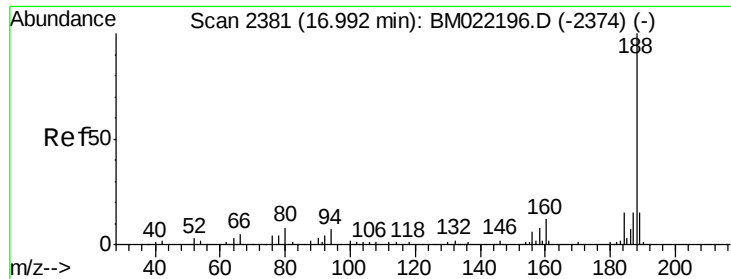
Tot Ion:172 Resp: 447068
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 24.3 18.9 28.3



#50
Dimethylphthalate
Concen: 9.299 ng
RT: 13.66 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BM022468.D
Acq: 31 Aug 2019 12:34

Tgt Ion:163 Resp: 47868
Ion Ratio Lower Upper
163 100
194 5.2 3.4 5.2
164 10.7 8.2 12.2

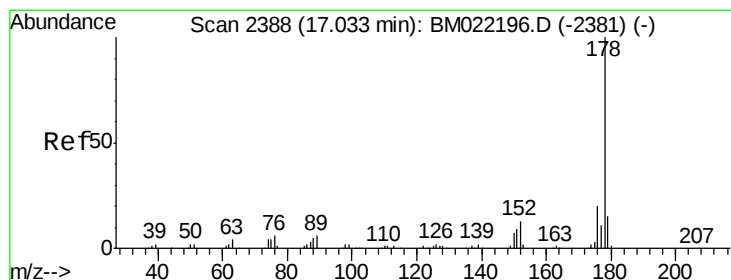
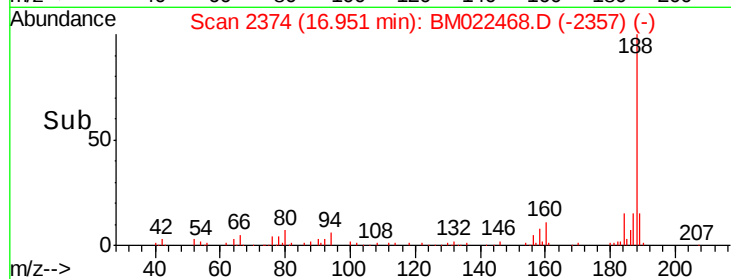
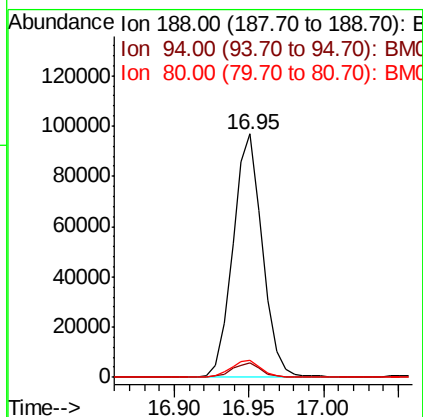
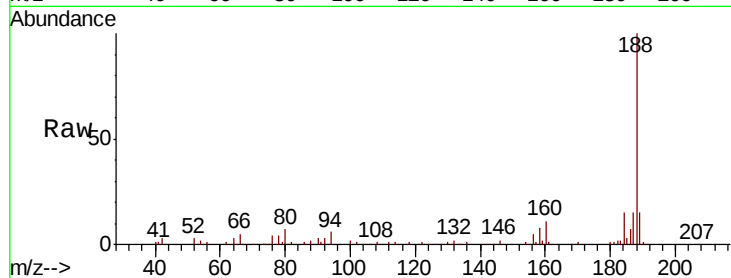




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BM022468.D
Acq: 31 Aug 2019 12:34

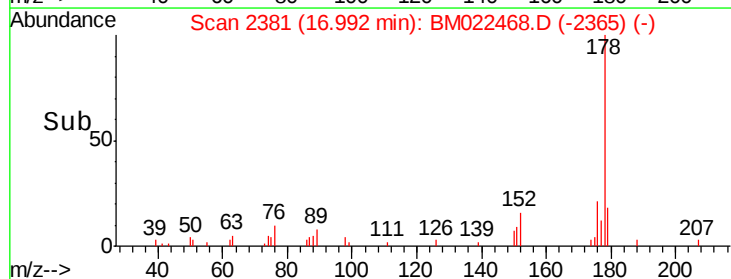
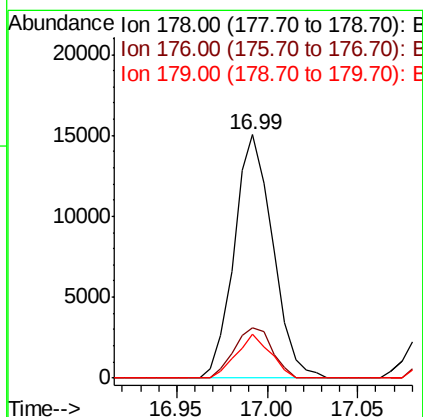
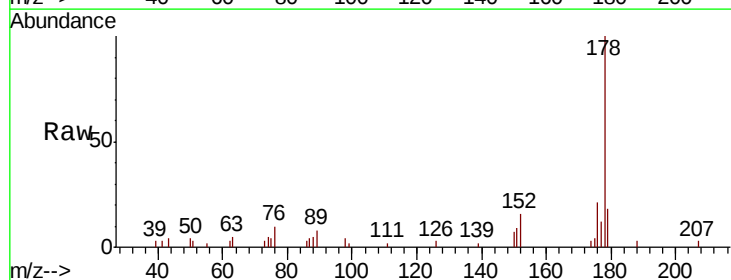
Instrument :
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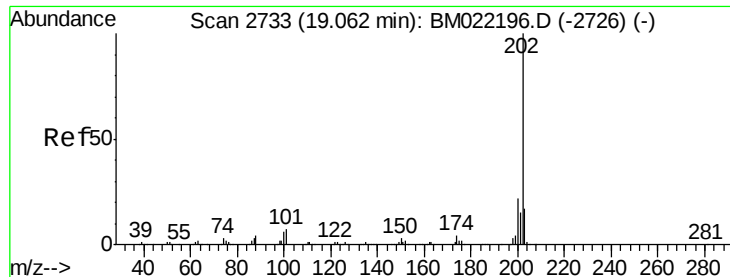
Tot Ion:188 Resp: 133143
Ion Ratio Lower Upper
188 100
94 5.8 4.4 6.6
80 6.8 5.0 7.6



#71
Phenanthrene
Concen: 2.872 ng
RT: 16.99 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM022468.D
Acq: 31 Aug 2019 12:34

Tgt Ion:178 Resp: 22289
Ion Ratio Lower Upper
178 100
176 20.6 15.4 23.2
179 17.9 12.3 18.5





#75

Fluoranthene

Concen: 5.866 ng

RT: 19.02 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM022468.D

Acq: 31 Aug 2019 12:34

Instrument :

BNA_M

ClientSampleId :

SB-18-COMP

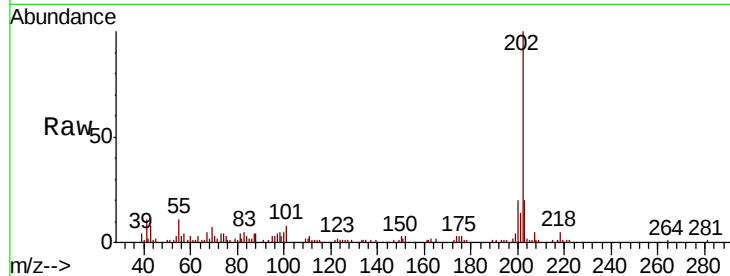
Tot Ion:202 Resp: 60625

Ion Ratio Lower Upper

202 100

101 7.6 0.0 25.1

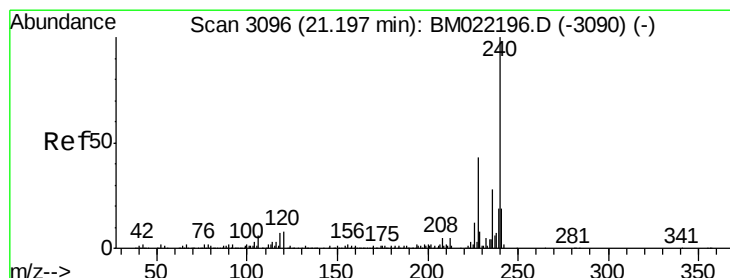
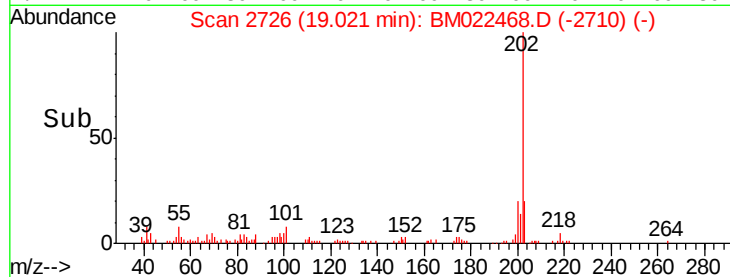
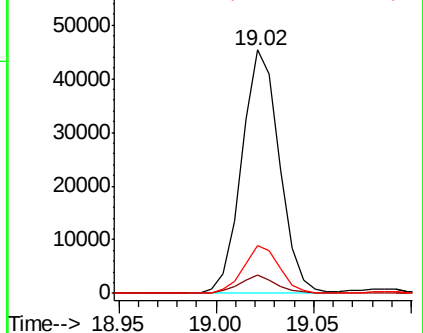
203 19.8 0.0 37.1



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: BM022468.D

Acq: 31 Aug 2019 12:34

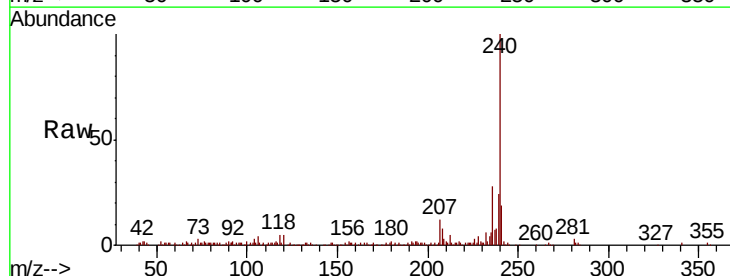
Tgt Ion:240 Resp: 174579

Ion Ratio Lower Upper

240 100

120 4.7 3.9 5.9

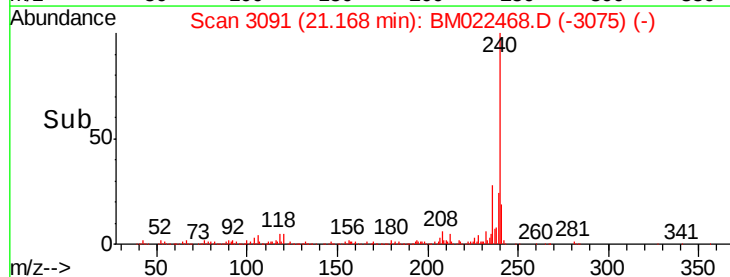
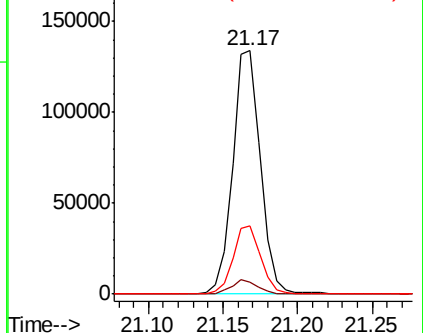
236 28.2 21.4 32.2

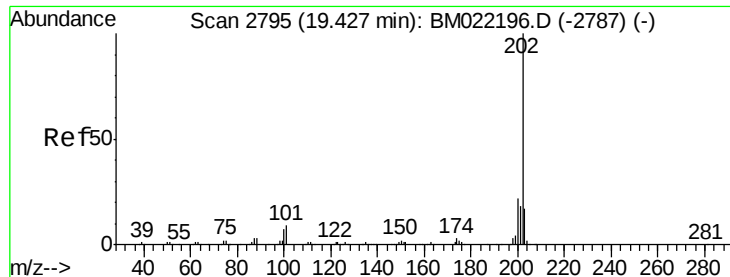


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

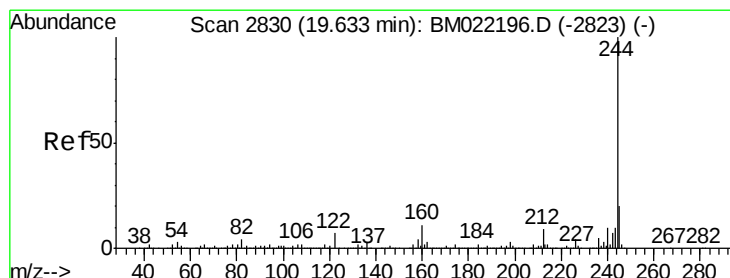
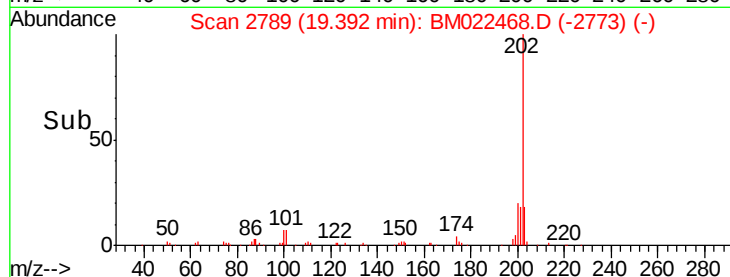
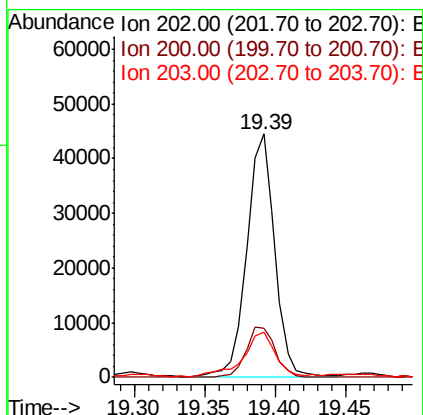
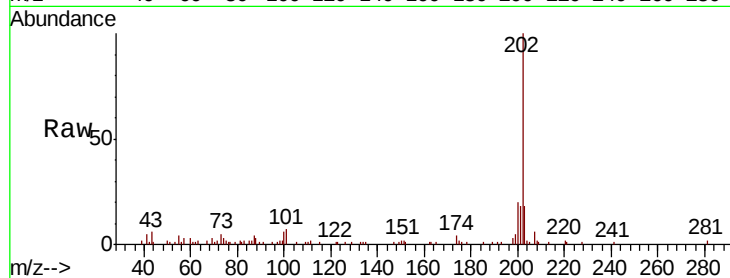




#78
Pvrene
Concen: 5.240 ng
RT: 19.39 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BM022468.D
Acq: 31 Aug 2019 12:34

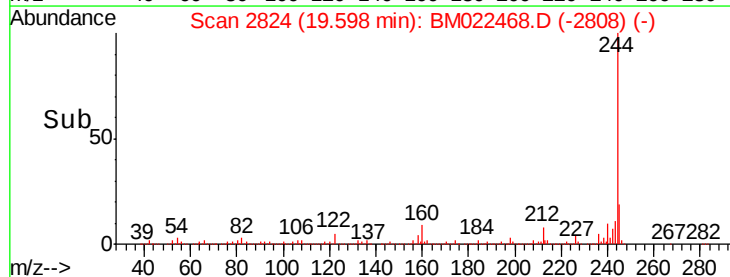
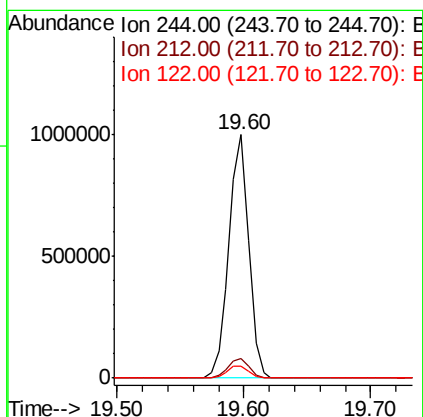
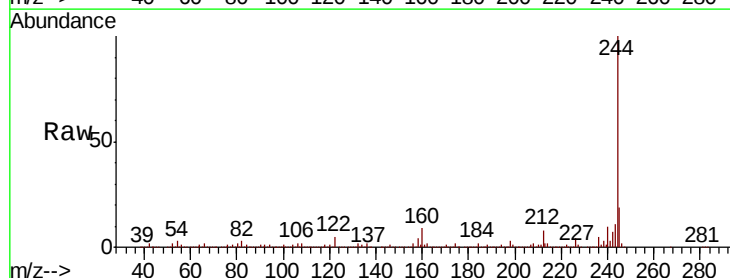
Instrument :
BNA_M
ClientSampleId :
SB-18-COMP

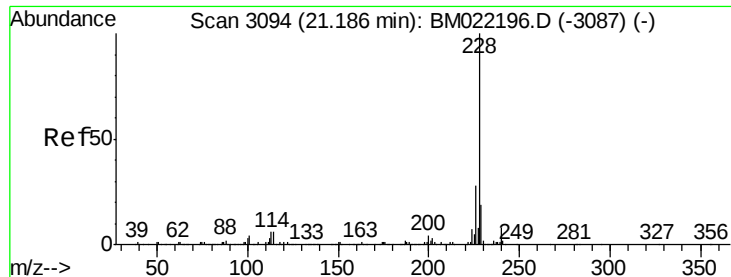
Tot Ion:202 Resp: 62344
Ion Ratio Lower Upper
202 100
200 20.0 17.7 26.5
203 18.4 13.8 20.8



#79
Terphenyl-d14
Concen: 81.915 ng
RT: 19.60 min Scan# 2824
Delta R.T. -0.01 min
Lab File: BM022468.D
Acq: 31 Aug 2019 12:34

Tgt Ion:244 Resp: 1083591
Ion Ratio Lower Upper
244 100
212 8.3 7.0 10.4
122 4.8 3.9 5.9

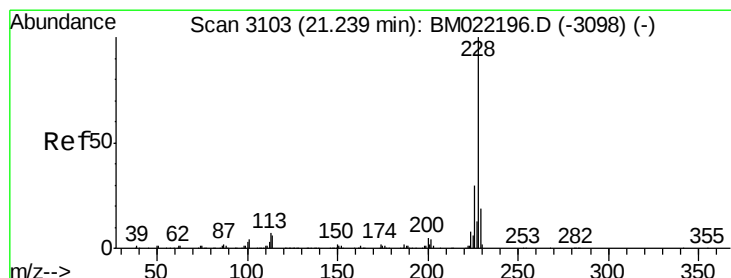
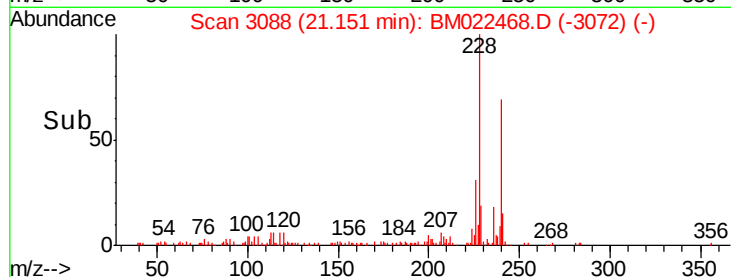
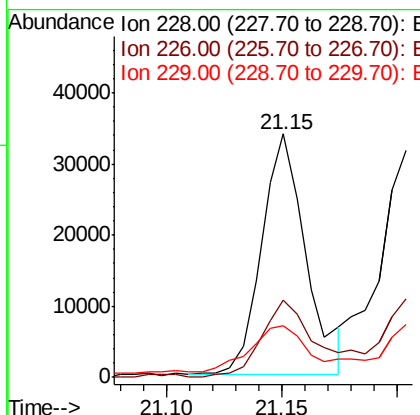
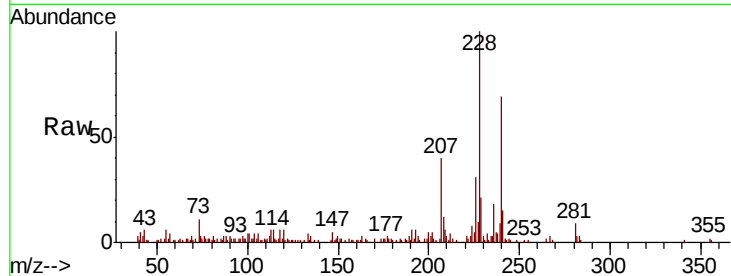




#81
Benzo(a)anthracene
Concen: 3.598 ng
RT: 21.15 min Scan# 3088
Delta R.T. -0.01 min
Lab File: BM022468.D
Acq: 31 Aug 2019 12:34

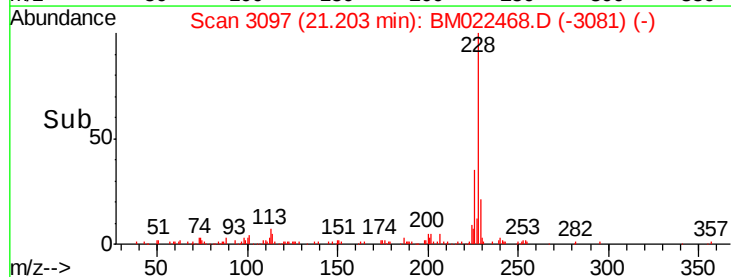
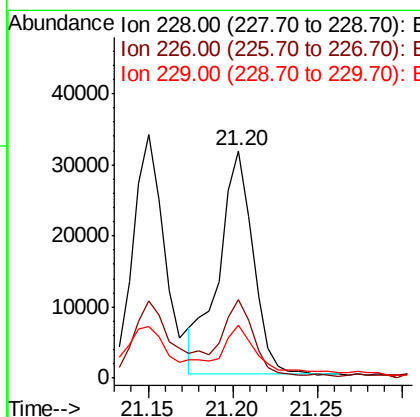
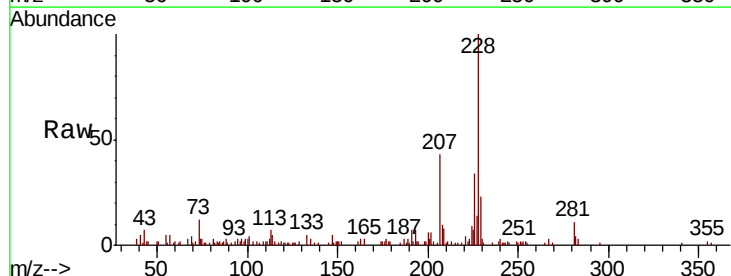
Instrument :
BNA_M
ClientSampleId :
SB-18-COMP

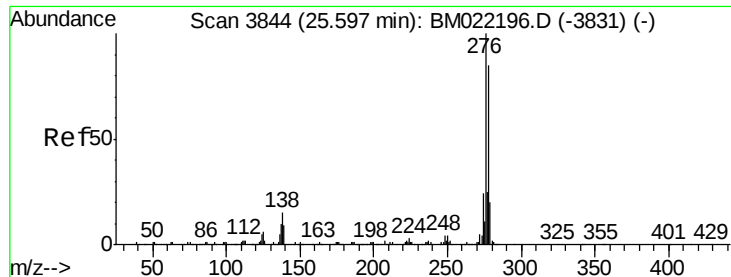
Tot Ion:228 Resp: 45088
Ion Ratio Lower Upper
228 100
226 31.5 22.6 34.0
229 21.0 15.9 23.9



#83
Chrysene
Concen: 3.705 ng
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM022468.D
Acq: 31 Aug 2019 12:34

Tgt Ion:228 Resp: 44185
Ion Ratio Lower Upper
228 100
226 34.5 24.5 36.7
229 23.2 15.7 23.5

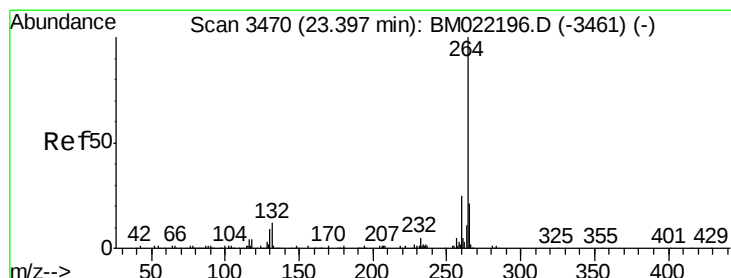
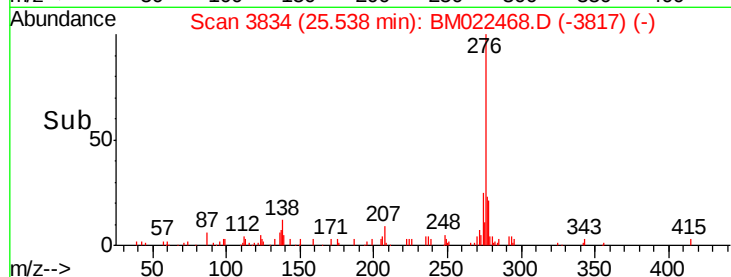
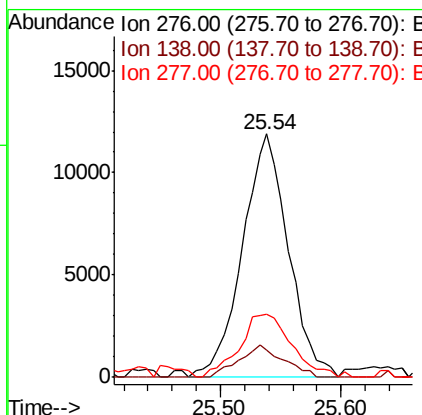
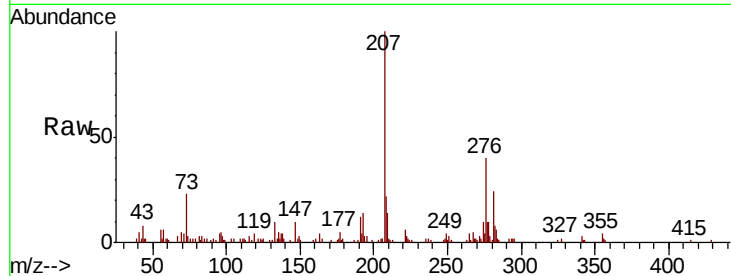




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.613 ng
 RT: 25.54 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: BM022468.D
 Acq: 31 Aug 2019 12:34

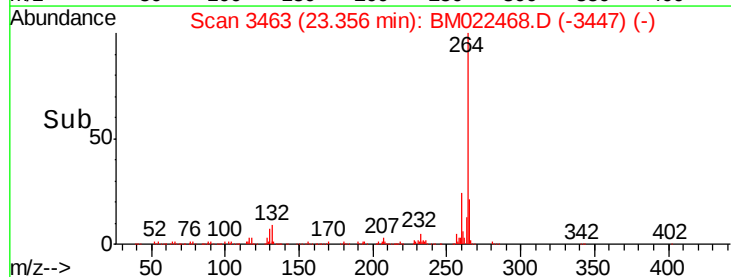
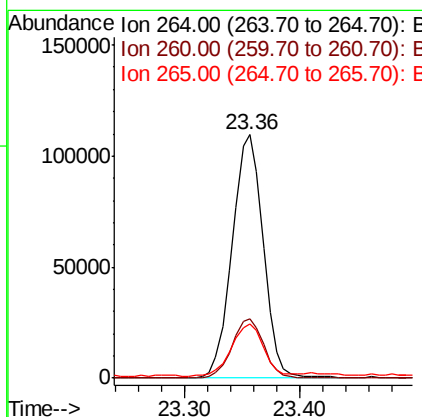
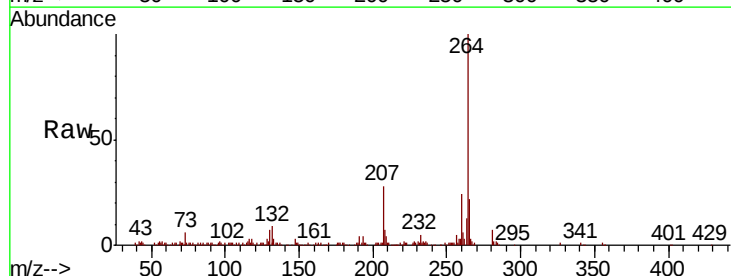
Instrument :
 BNA_M
 ClientSampleId :
 SB-18-COMP

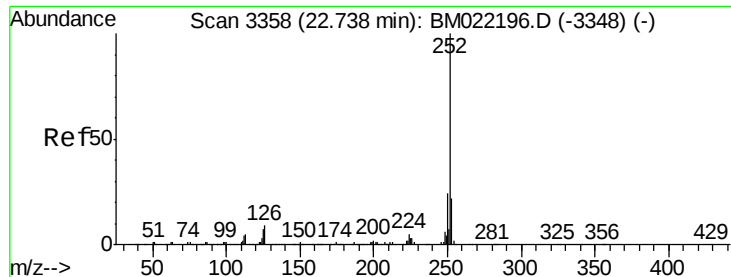
Tot Ion	Ratio	Lower	Upper
276	100		
138	12.8	9.1	13.7
277	29.5	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.36 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BM022468.D
 Acq: 31 Aug 2019 12:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.2	30.2
265	22.2	18.2	27.2

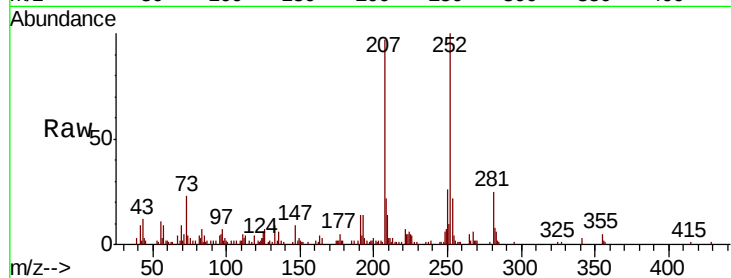




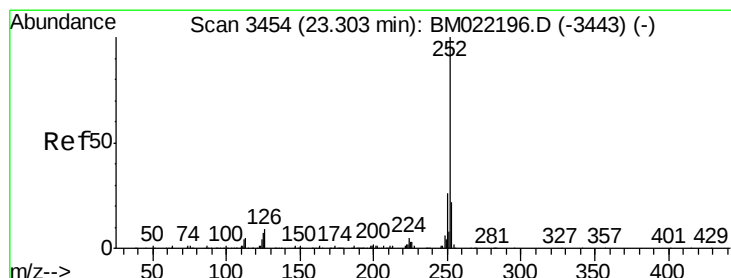
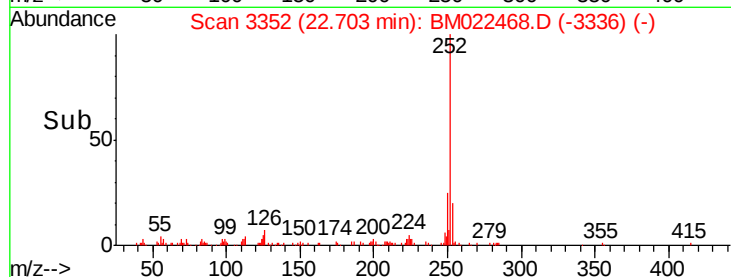
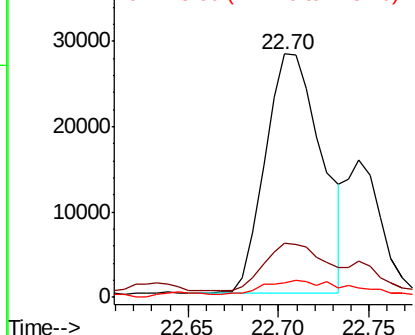
#88
Benzo(b)fluoranthene
Concen: 4.282 ng
RT: 22.70 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BM022468.D
Acq: 31 Aug 2019 12:34

Instrument :
BNA_M
ClientSampleId :
SB-18-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	6.2	3.5	5.3#

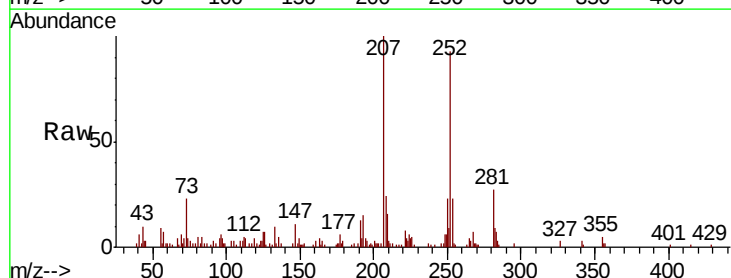


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

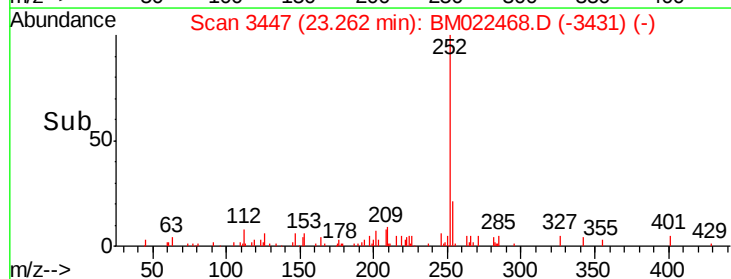
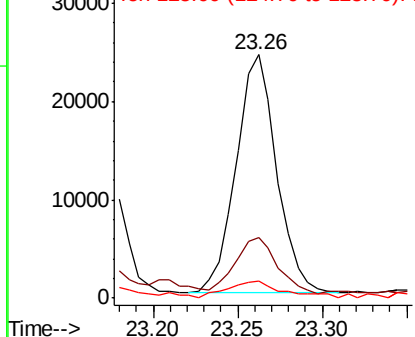


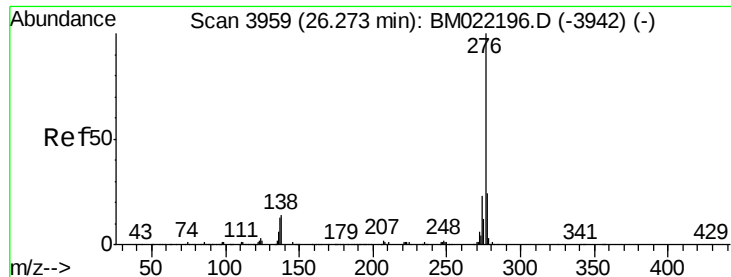
#90
Benzo(a)pyrene
Concen: 3.207 ng
RT: 23.26 min Scan# 3447
Delta R.T. -0.01 min
Lab File: BM022468.D
Acq: 31 Aug 2019 12:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.2	27.2
125	7.1	3.8	5.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 2.948 ng
 RT: 26.21 min Scan# 3948
 Delta R.T. -0.01 min
 Lab File: BM022468.D
 Acq: 31 Aug 2019 12:34

Instrument :
 BNA_M
 ClientSampleId :
 SB-18-COMP

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	27.4	19.4	29.0	
138	15.5	8.8	13.2	

