

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022448.D
 Acq On : 30 Aug 2019 19:30
 Operator : HP/JU
 Sample : K4574-14RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 31 00:09:25 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

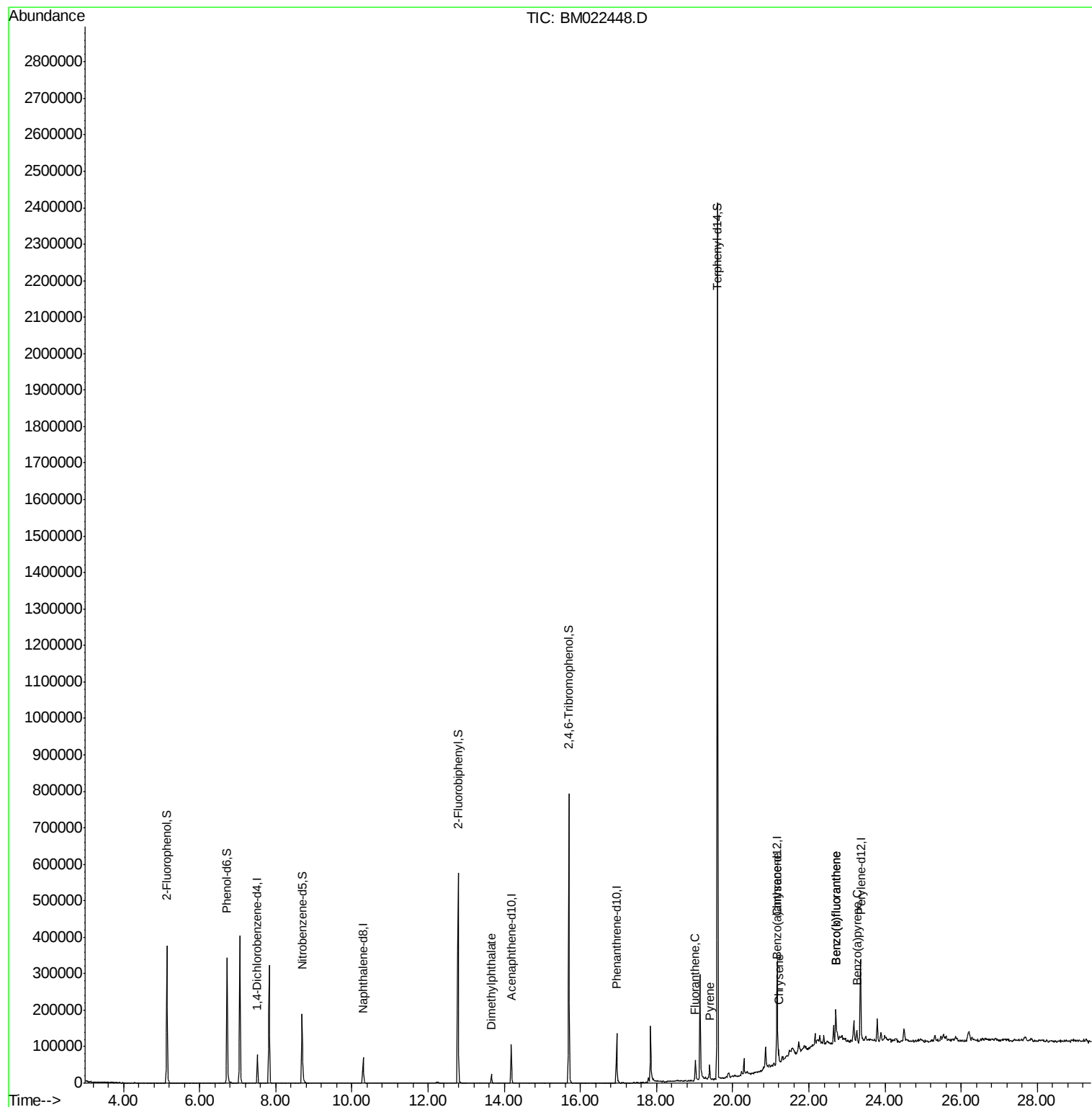
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	16900	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	56917	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	34820	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	78058	20.00	ng	0.00
76) Chrysene-d12	21.17	240	115785	20.00	ng	0.00
87) Perylene-d12	23.36	264	154016	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	126481	131.37	ng	0.00
7) Phenol-d6	6.72	99	159304	123.73	ng	0.00
23) Nitrobenzene-d5	8.69	82	112523	86.59	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	128633	180.53	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	270249	87.92	ng	0.00
79) Terphenyl-d14	19.60	244	991328	112.99	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	13.66	163	16556	5.467	ng	99
75) Fluoranthene	19.02	202	26381	4.354	ng	97
78) Pyrene	19.39	202	25289	3.205	ng	98
81) Benzo(a)anthracene	21.15	228	21831	2.627	ng	96
83) Chrysene	21.20	228	20637	2.609	ng	93
88) Benzo(b)fluoranthene	22.70	252	31264	2.922	ng	# 88
89) Benzo(k)fluoranthene	22.70	252	31264	2.945	ng	# 86
90) Benzo(a)pyrene	23.26	252	22059	2.323	ng	98

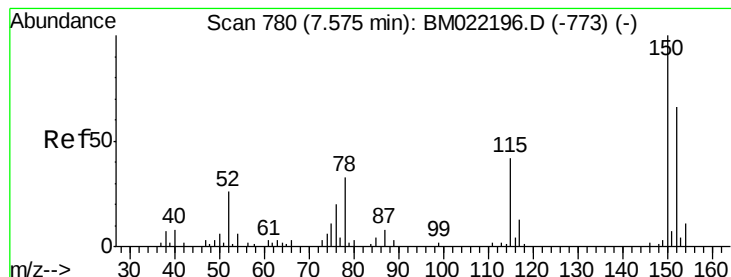
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



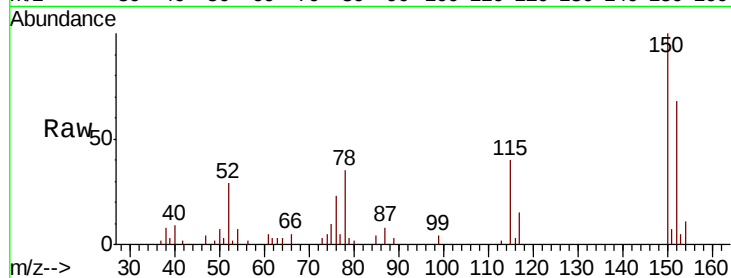


#1

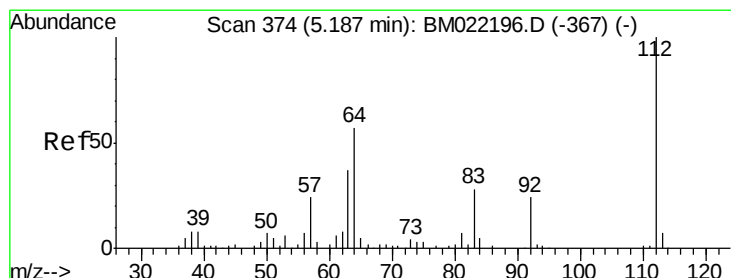
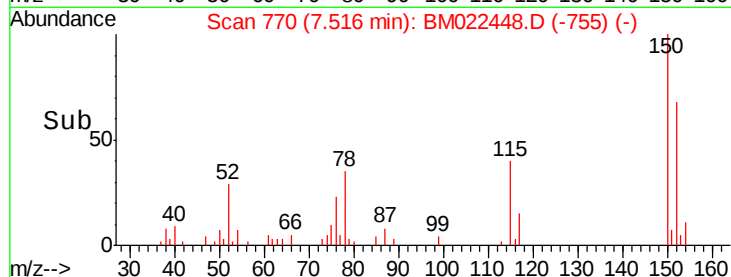
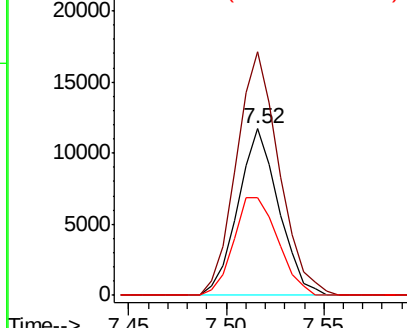
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.52 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BM022448.D
 Acq: 30 Aug 2019 19:30

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:152 Resp: 16900
 Ion Ratio Lower Upper
 152 100
 150 146.1 125.4 188.0
 115 58.9 50.3 75.5



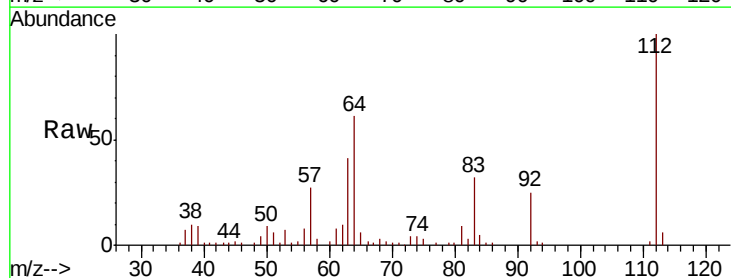
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



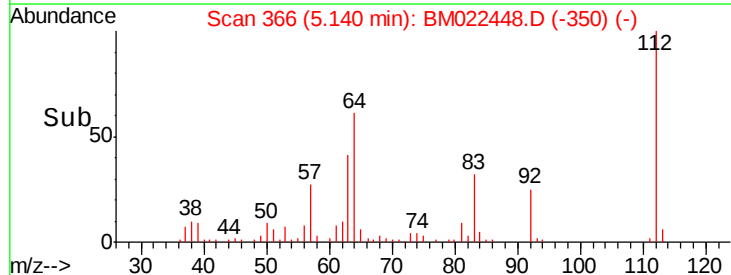
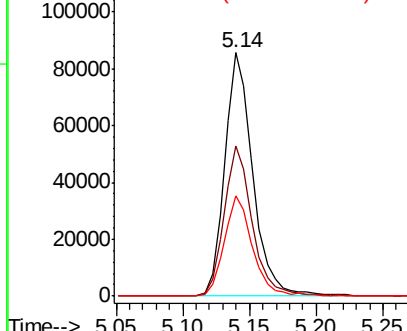
#5

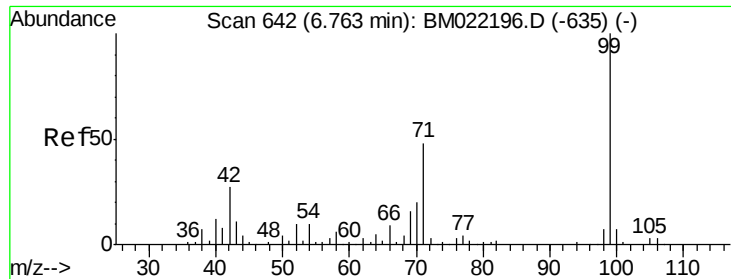
2-Fluorophenol
 Concen: 131.370 ng
 RT: 5.14 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: BM022448.D
 Acq: 30 Aug 2019 19:30

Tgt Ion:112 Resp: 126481
 Ion Ratio Lower Upper
 112 100
 64 61.5 45.4 68.2
 63 41.1 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: 123.732 ng

RT: 6.72 min Scan# 634

Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

Instrument :

BNA_M

ClientSampled :

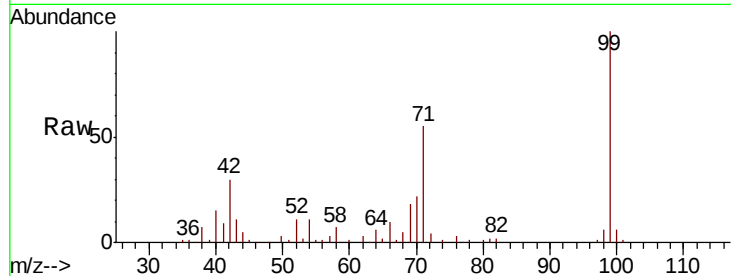
Tot Ion: 99 Resp: 159304

Ion Ratio Lower Upper

99 100

42 30.4 26.3 39.5

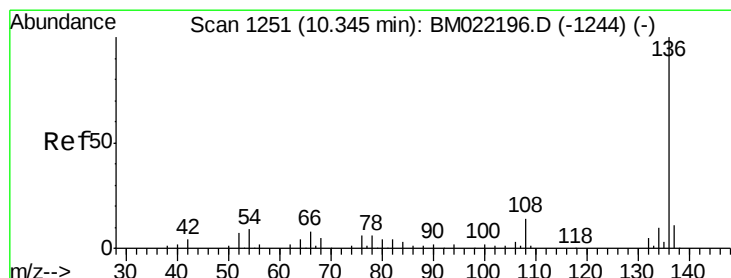
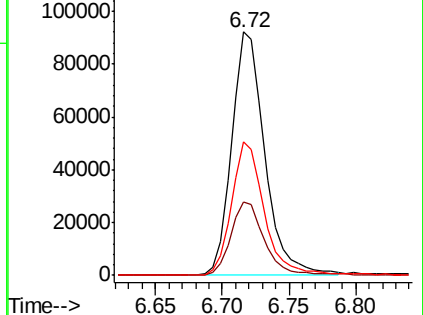
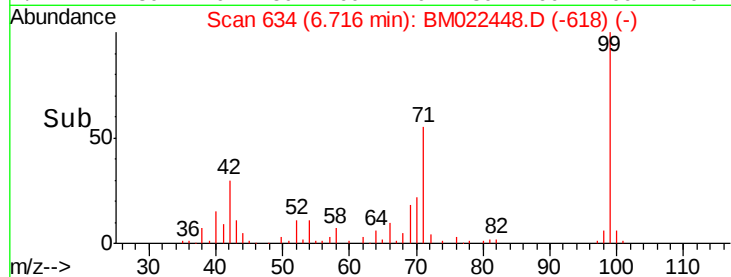
71 54.8 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022448.D (-618) (-)

Ion 42.00 (41.70 to 42.70): BM022448.D (-618) (-)

Ion 71.00 (70.70 to 71.70): BM022448.D (-618) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.29 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

Tgt Ion: 136 Resp: 56917

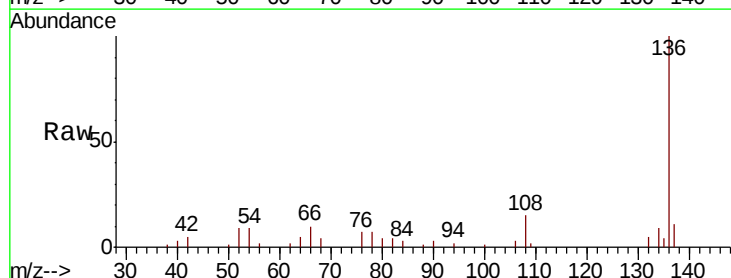
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.0 7.0 10.6

68 4.2 2.9 4.3

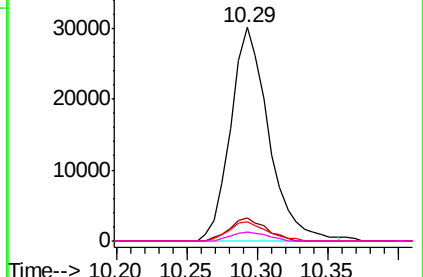
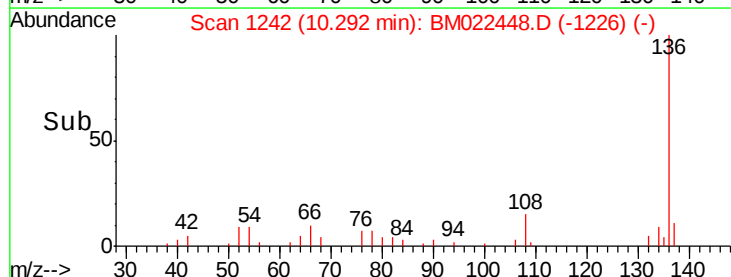


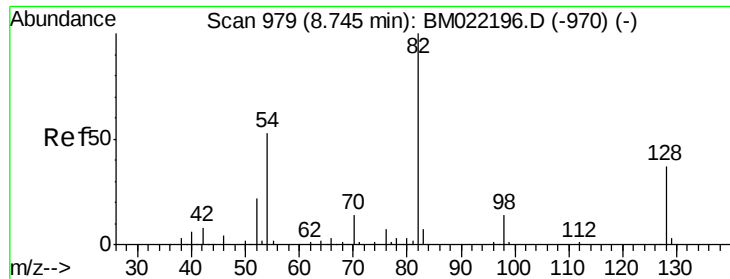
Abundance Ion 136.00 (135.70 to 136.70): BM022448.D (-1226) (-)

Ion 137.00 (136.70 to 137.70): BM022448.D (-1226) (-)

Ion 54.00 (53.70 to 54.70): BM022448.D (-1226) (-)

Ion 68.00 (67.70 to 68.70): BM022448.D (-1226) (-)

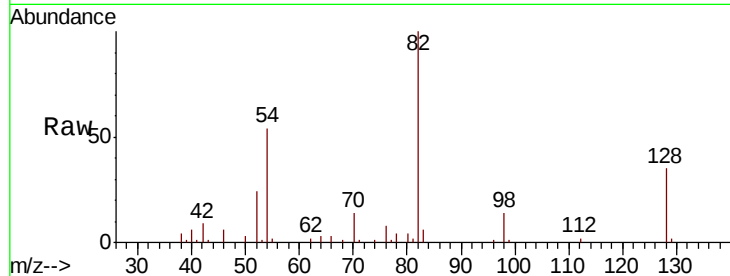




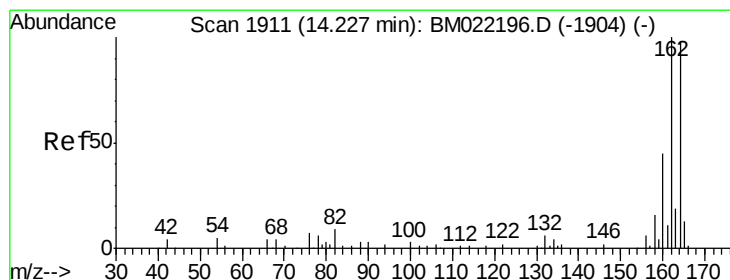
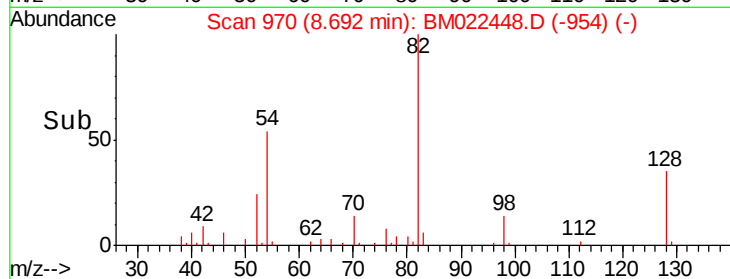
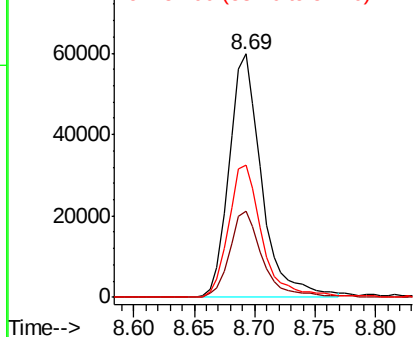
#23
 Nitrobenzene-d5
 Concen: 86.592 ng
 RT: 8.69 min Scan# 970
 Delta R.T. -0.01 min
 Lab File: BM022448.D
 Acq: 30 Aug 2019 19:30

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion: 82 Resp: 112523
 Ion Ratio Lower Upper
 82 100
 128 35.5 27.9 41.9
 54 54.4 45.2 67.8

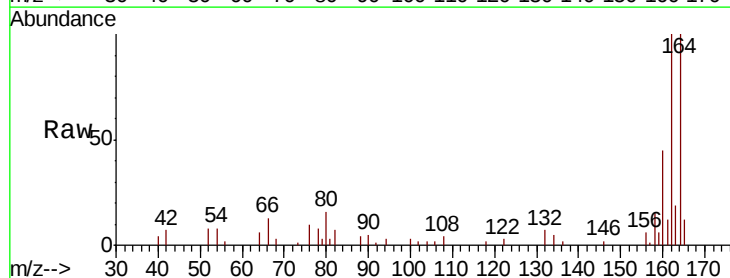


Abundance Ion 82.00 (81.70 to 82.70): BM
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BM

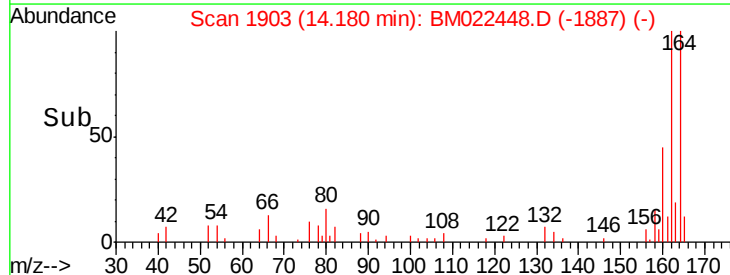
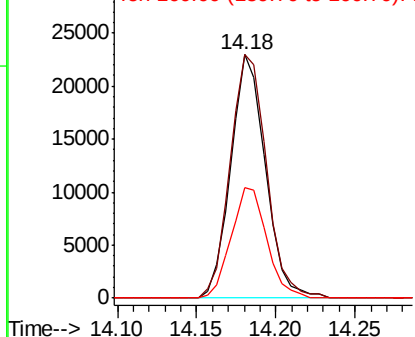


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.18 min Scan# 1903
 Delta R.T. -0.01 min
 Lab File: BM022448.D
 Acq: 30 Aug 2019 19:30

Tgt Ion:164 Resp: 34820
 Ion Ratio Lower Upper
 164 100
 162 100.1 80.6 121.0
 160 45.4 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

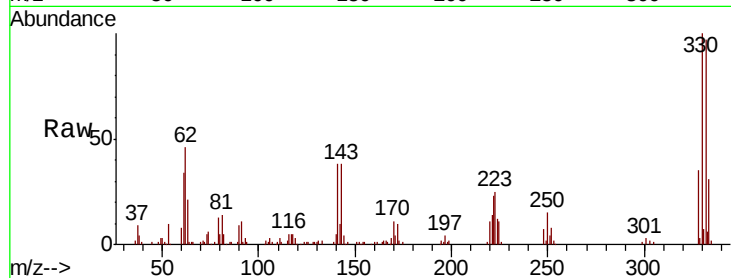




#42
 2,4,6-Tribromophenol
 Concen: 180.534 ng
 RT: 15.70 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BM022448.D
 Acq: 30 Aug 2019 19:30

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	330	Resp	128633
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.8	116.8
141	44.2	35.6	53.4

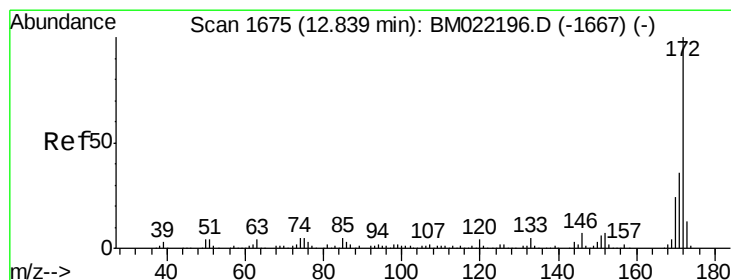
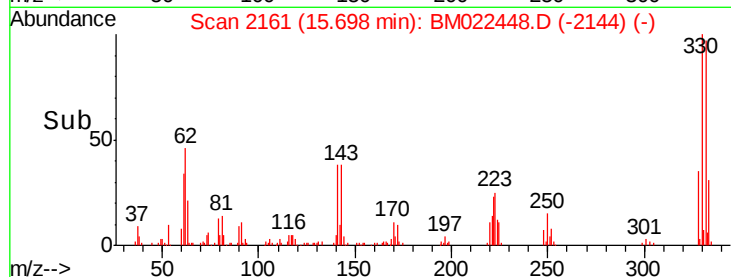
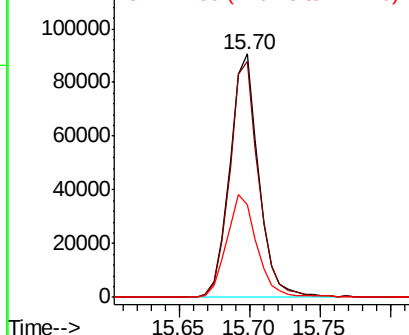


Abundance

Ion 329.80 (329.50 to 330.50): E

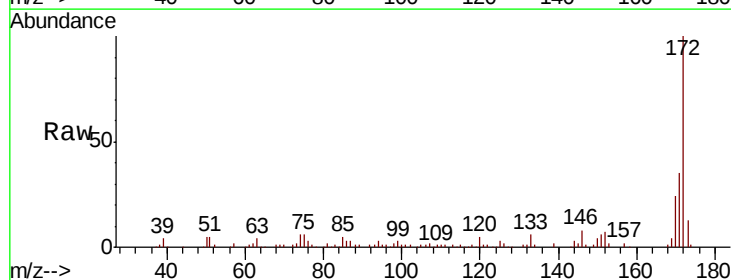
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 87.924 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM022448.D
 Acq: 30 Aug 2019 19:30

Tgt Ion	172	Resp	270249
Ion Ratio	Lower	Upper	
172	100		
171	35.2	28.5	42.7
170	23.8	18.9	28.3

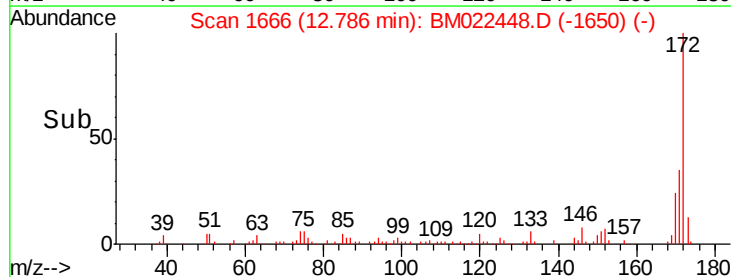
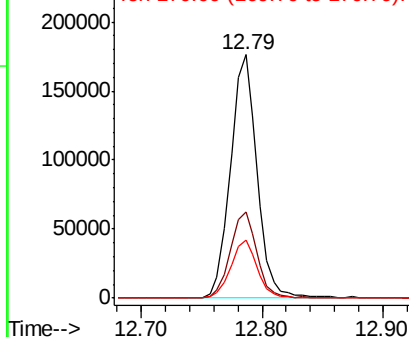


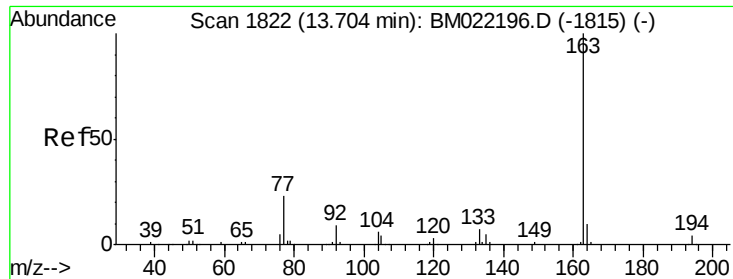
Abundance

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

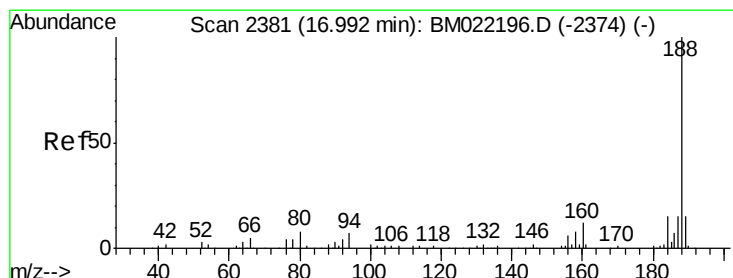
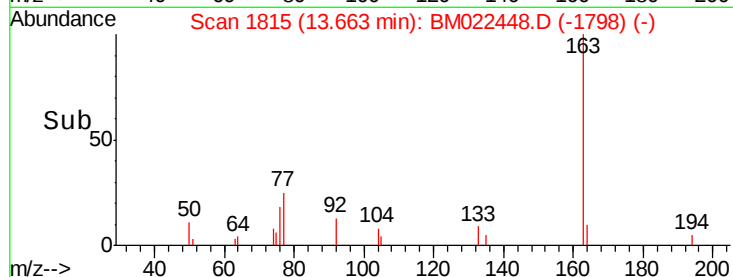
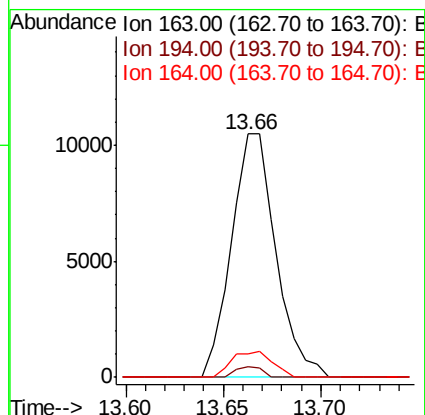
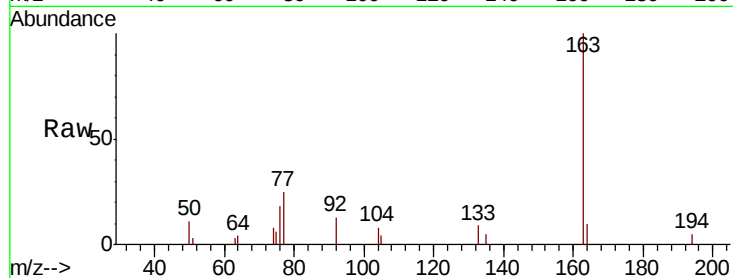




#50
Dimethylphthalate
Concen: 5.467 ng
RT: 13.66 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BM022448.D
Acq: 30 Aug 2019 19:30

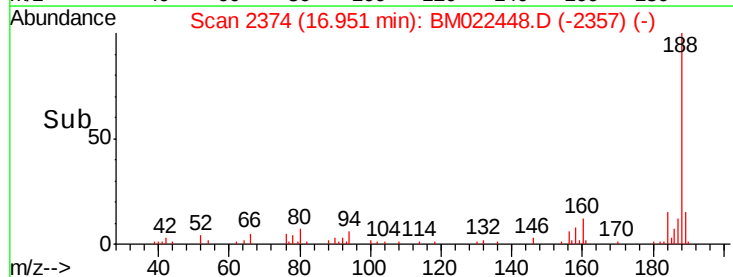
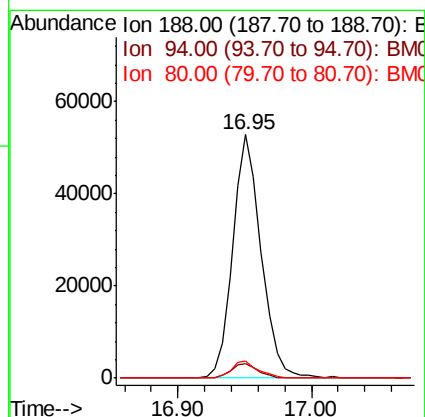
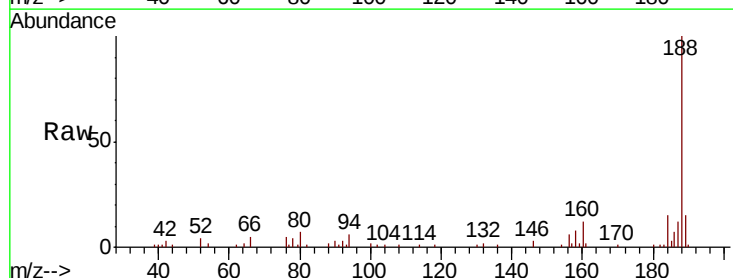
Instrument :
BNA_M
ClientSampled :

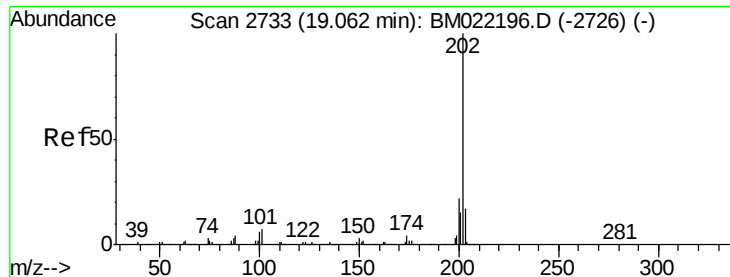
Tot Ion:163 Resp: 16556
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 9.7 8.2 12.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BM022448.D
Acq: 30 Aug 2019 19:30

Tgt Ion:188 Resp: 78058
Ion Ratio Lower Upper
188 100
94 5.7 4.4 6.6
80 7.0 5.0 7.6





#75

Fluoranthene

Concen: 4.354 ng

RT: 19.02 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

Instrument :

BNA_M

ClientSampleId :

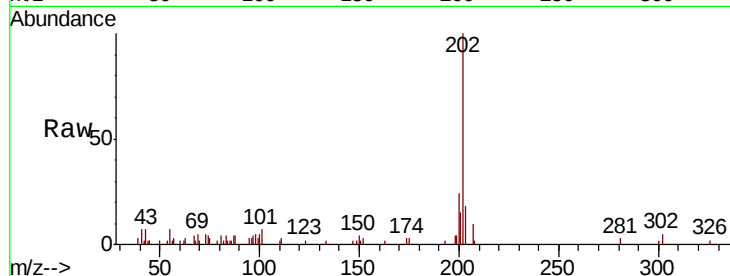
Tot Ion:202 Resp: 26381

Ion Ratio Lower Upper

202 100

101 6.9 0.0 25.1

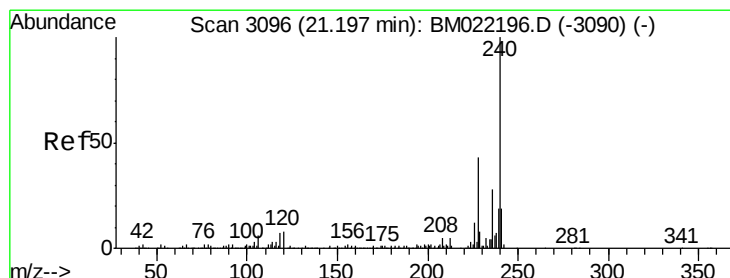
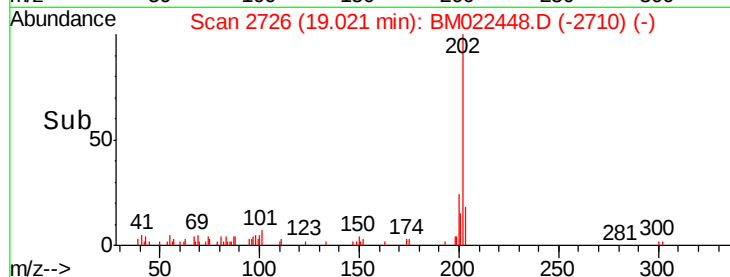
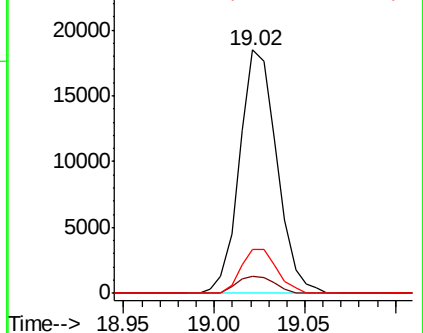
203 18.1 0.0 37.1



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: BM022448.D

Acq: 30 Aug 2019 19:30

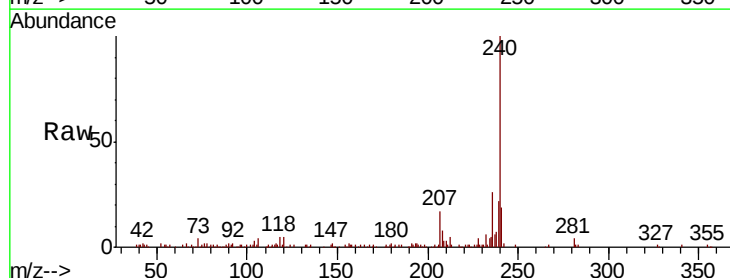
Tgt Ion:240 Resp: 115785

Ion Ratio Lower Upper

240 100

120 5.3 3.9 5.9

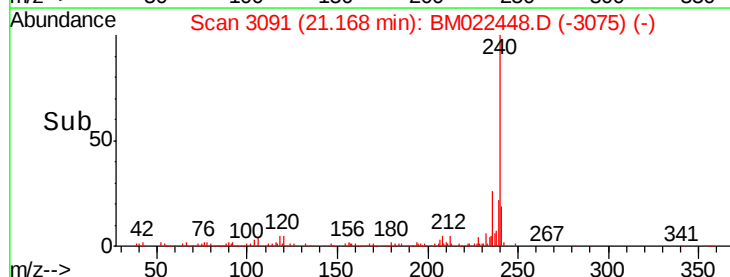
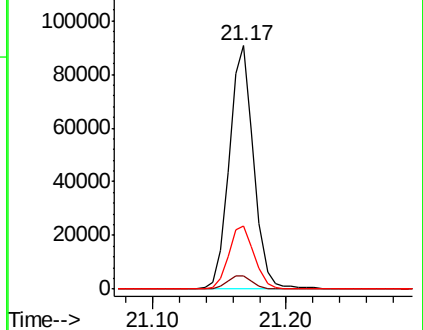
236 25.9 21.4 32.2

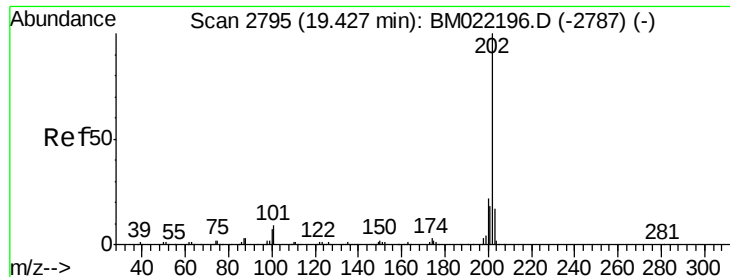


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.205 ng

RT: 19.39 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

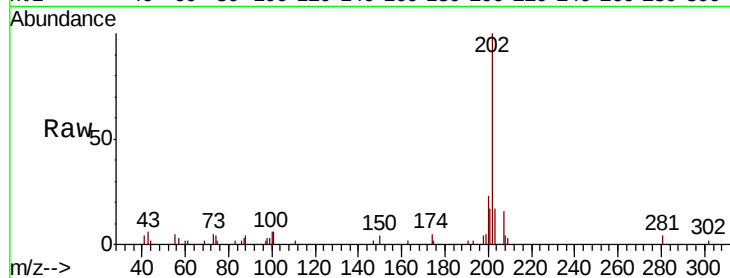
Instrument :

BNA_M

ClientSampleId :

Tot Ion:202 Resp: 25289

Ion	Ratio	Lower	Upper
202	100		
200	23.0	17.7	26.5
203	16.6	13.8	20.8

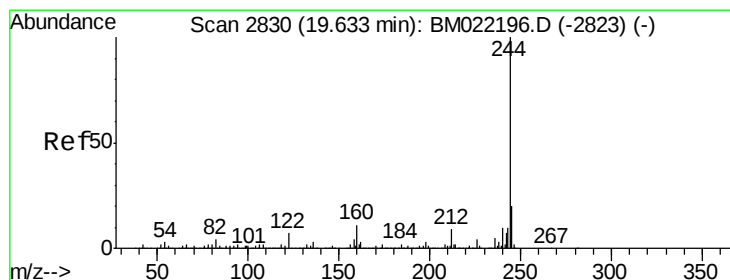
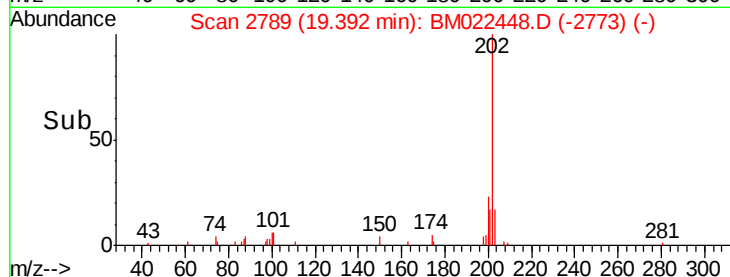
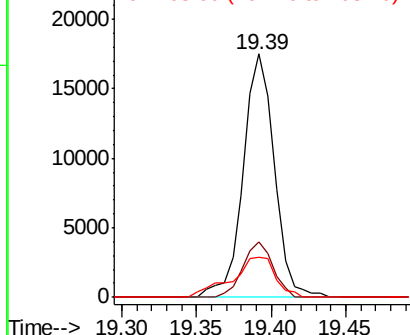


Abundance

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: 112.994 ng

RT: 19.60 min Scan# 2824

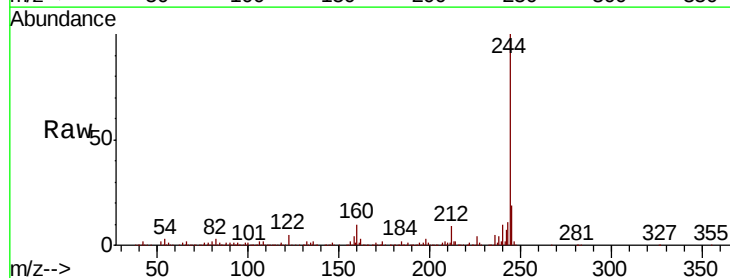
Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

Tgt Ion:244 Resp: 991328

Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.0	10.4
122	5.1	3.9	5.9

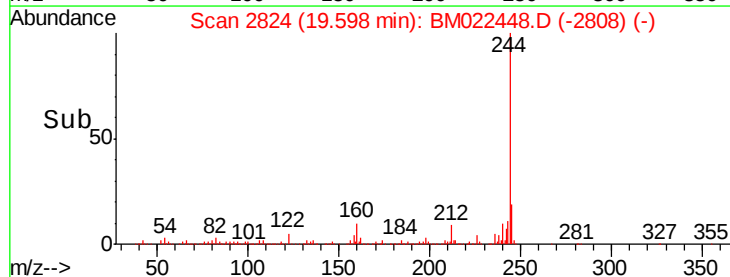
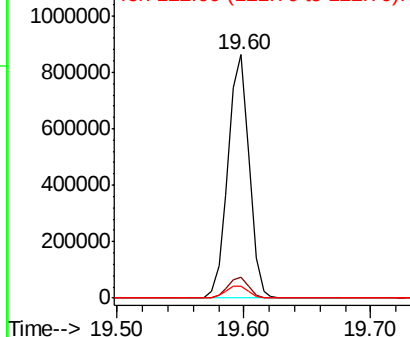


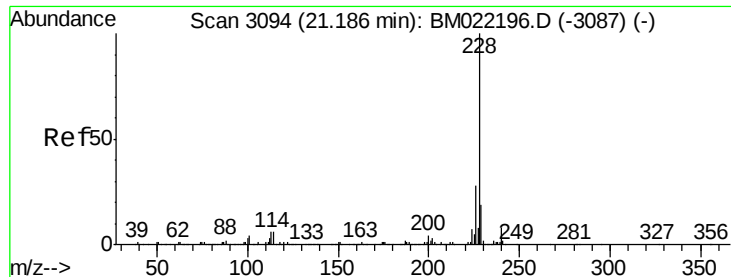
Abundance

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: 2.627 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

Instrument :

BNA_M

ClientSampleId :

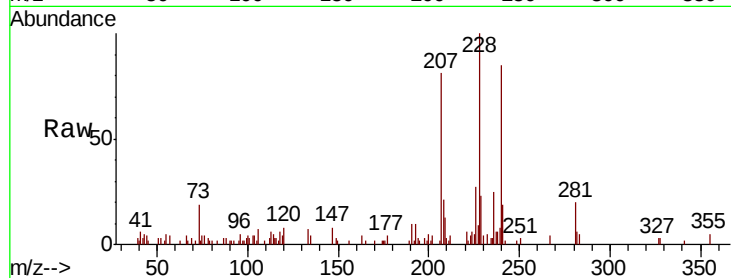
Tot Ion:228 Resp: 21831

Ion Ratio Lower Upper

228 100

226 26.9 22.6 34.0

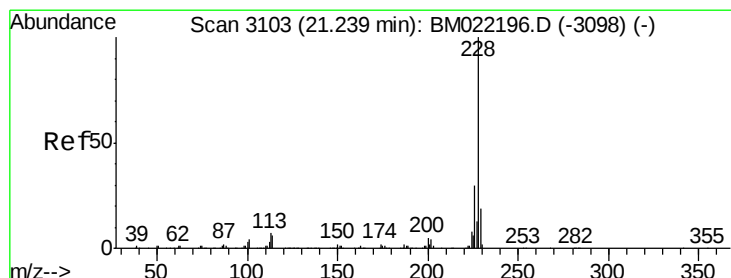
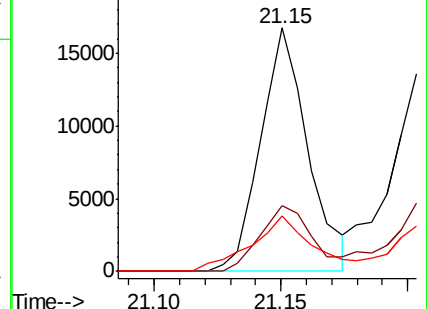
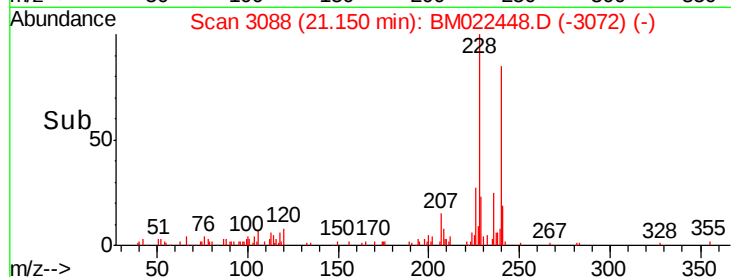
229 22.6 15.9 23.9



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: 2.609 ng

RT: 21.20 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

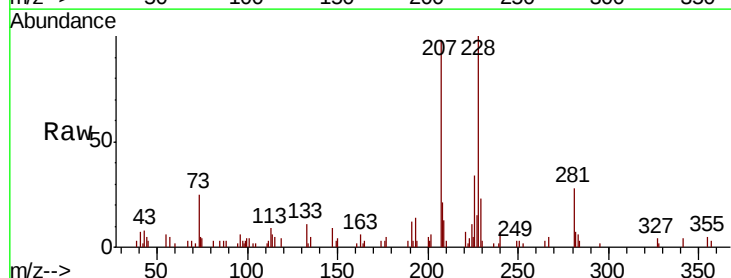
Tgt Ion:228 Resp: 20637

Ion Ratio Lower Upper

228 100

226 34.4 24.5 36.7

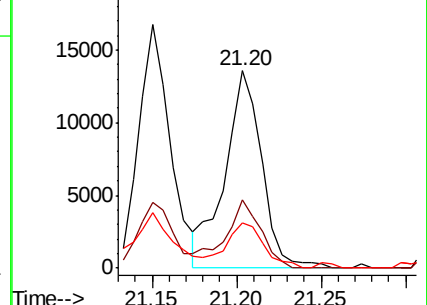
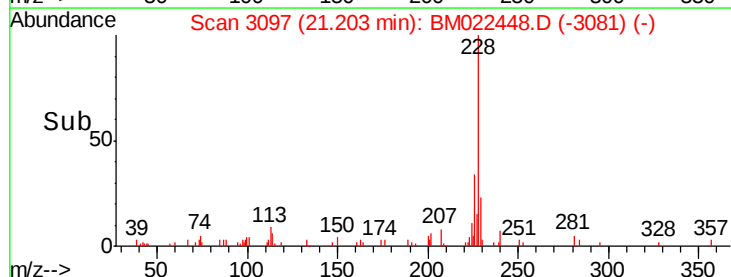
229 23.1 15.7 23.5

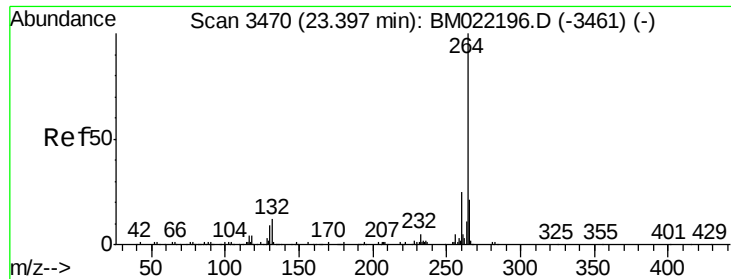


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

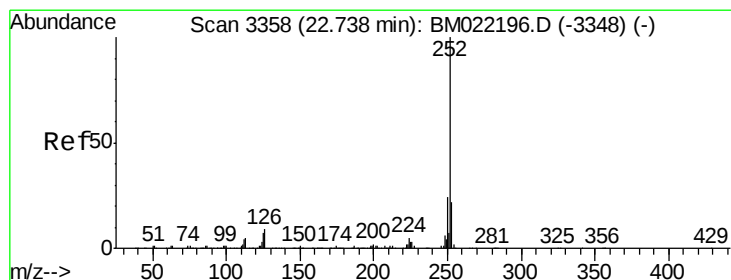
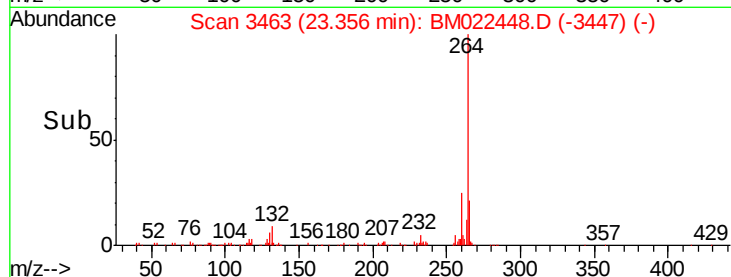
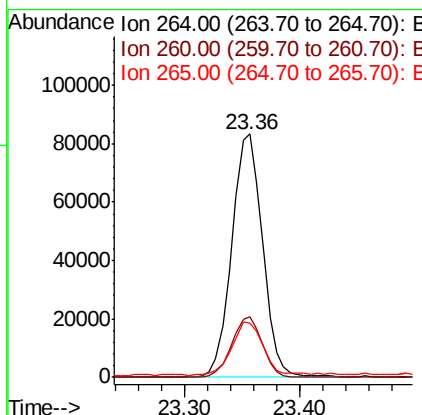
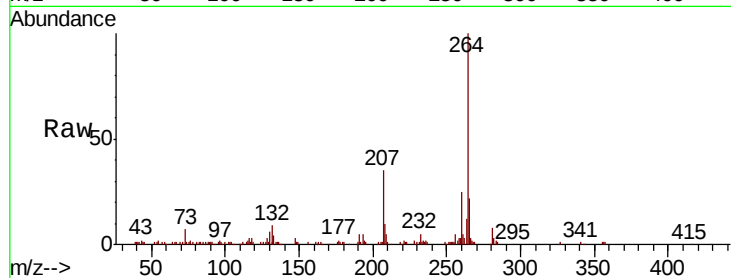




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.36 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BM022448.D
 Acq: 30 Aug 2019 19:30

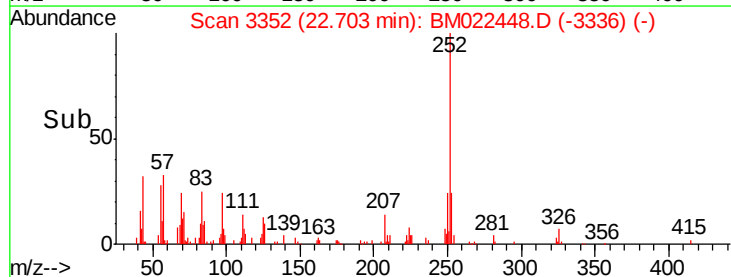
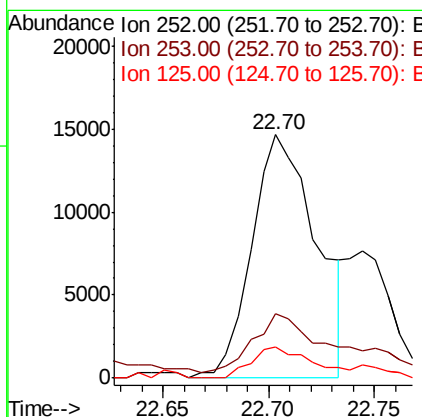
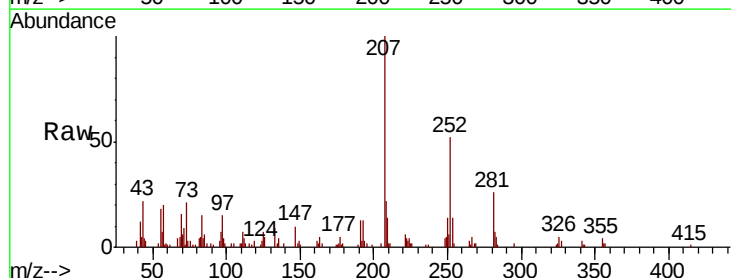
Instrument :
 BNA_M
 ClientSampled :

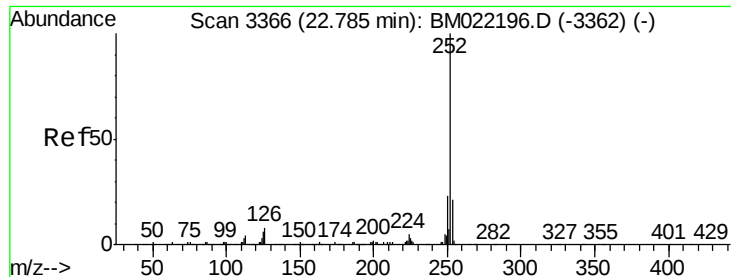
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.2	30.2
265	22.1	18.2	27.2



#88
 Benzo(b)fluoranthene
 Concen: 2.922 ng
 RT: 22.70 min Scan# 3352
 Delta R.T. -0.01 min
 Lab File: BM022448.D
 Acq: 30 Aug 2019 19:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.9	26.9
125	12.8	3.5	5.3

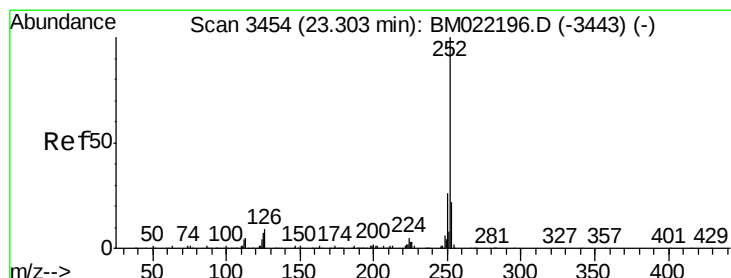
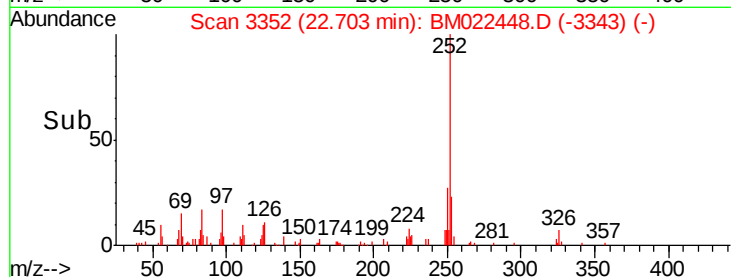
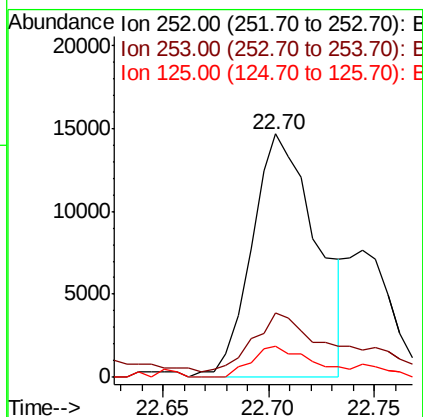
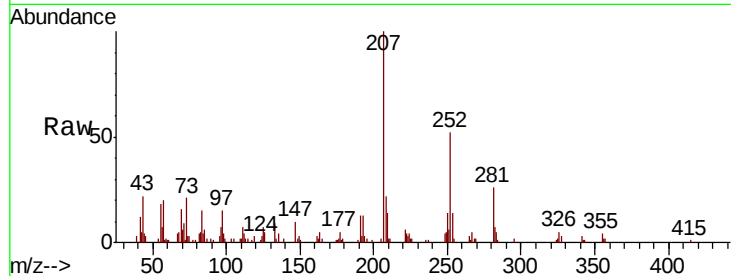




#89
Benzo(k)fluoranthene
Concen: 2.945 ng
RT: 22.70 min Scan# 3352
Delta R.T. -0.05 min
Lab File: BM022448.D
Acq: 30 Aug 2019 19:30

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.0	25.4#
125	12.8	3.7	5.5#



#90
Benzo(a)pyrene
Concen: 2.323 ng
RT: 23.26 min Scan# 3447
Delta R.T. -0.01 min
Lab File: BM022448.D
Acq: 30 Aug 2019 19:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	5.3	3.8	5.8

