

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090119\
 Data File : BM022476.D
 Acq On : 01 Sep 2019 14:30
 Operator : HP/JU
 Sample : K4619-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 02 03:46:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 02 03:43:48 2019
 Response via : Initial Calibration

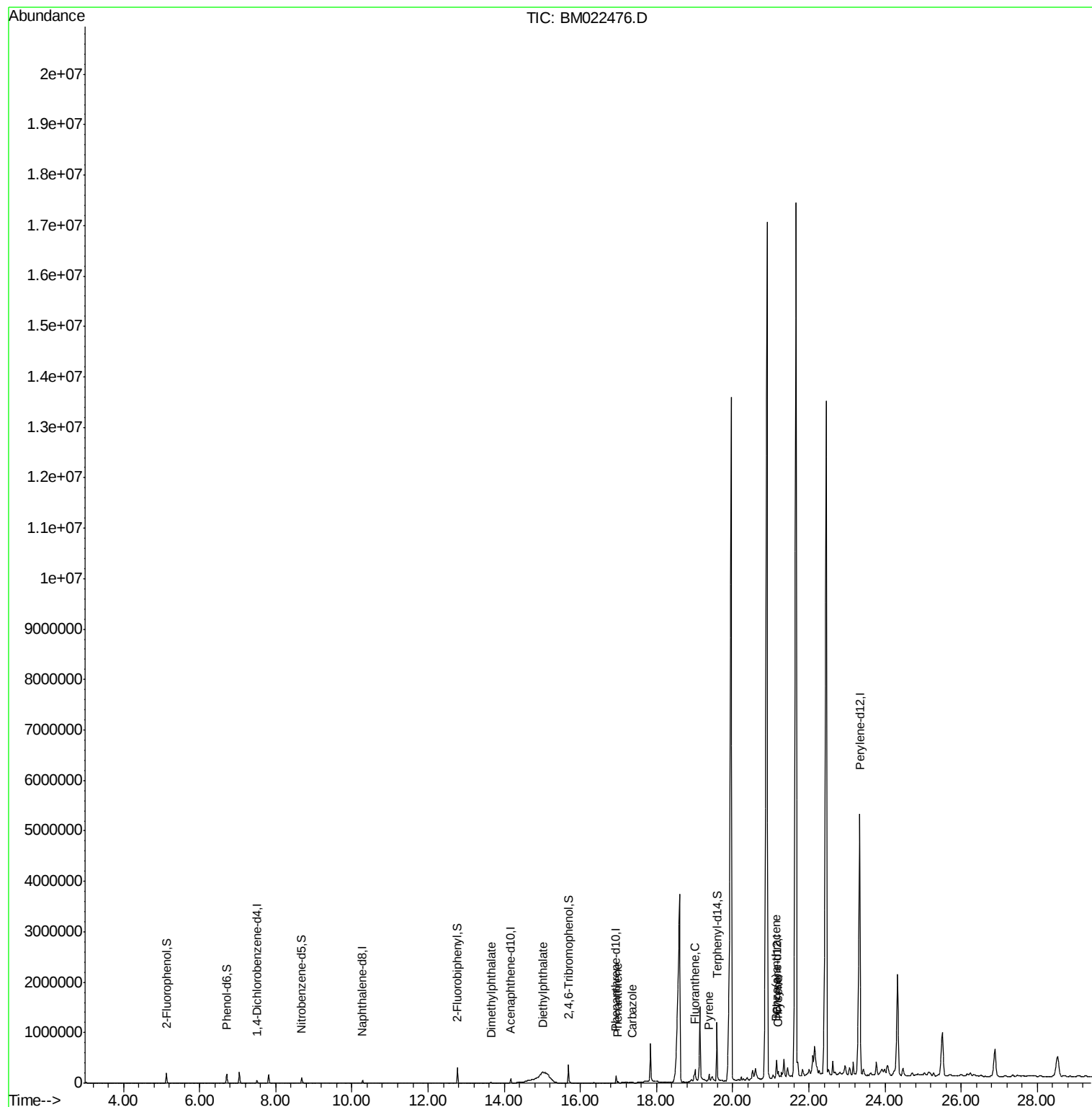
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	11758	20.00	ng	-0.02
21) Naphthalene-d8	10.28	136	44064	20.00	ng	-0.02
39) Acenaphthene-d10	14.17	164	29271	20.00	ng	-0.02
64) Phenanthrene-d10	16.94	188	75855	20.00	ng	-0.01
76) Chrysene-d12	21.16	240	131379	20.00	ng	-0.02
87) Perylene-d12	23.34	264	349171	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	71489	106.72	ng	-0.02
7) Phenol-d6	6.71	99	91217	101.83	ng	-0.01
23) Nitrobenzene-d5	8.68	82	64438	64.05	ng	-0.02
42) 2,4,6-Tribromophenol	15.69	330	54880	91.62	ng	-0.01
45) 2-Fluorobiphenyl	12.77	172	142948	55.32	ng	-0.02
79) Terphenyl-d14	19.59	244	459561	46.16	ng	-0.02
Target Compounds						Qvalue
50) Dimethylphthalate	13.65	163	13135	5.159	ng	99
60) Diethylphthalate	15.02	149	6511	2.448	ng	95
71) Phenanthrene	16.99	178	17592	3.979	ng	99
73) Carbazole	17.38	167	8379	2.330	ng	99
75) Fluoranthene	19.02	202	95325	16.189	ng	97
78) Pyrene	19.38	202	81810	9.137	ng	99
81) Benzo(a)anthracene	21.14	228	76602	8.123	ng	99
83) Chrysene	21.19	228	60899	6.785	ng	96

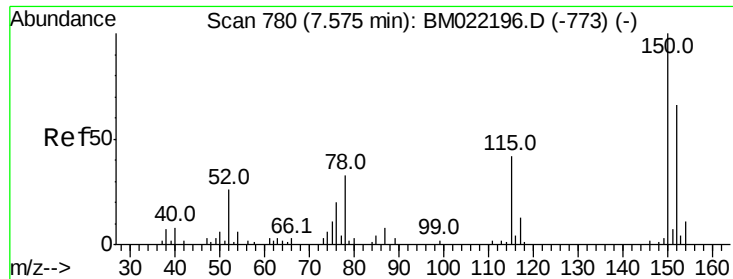
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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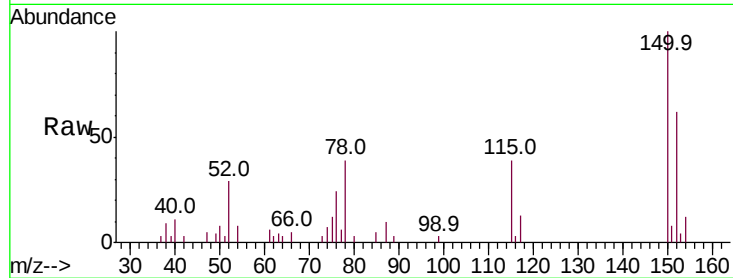


#1

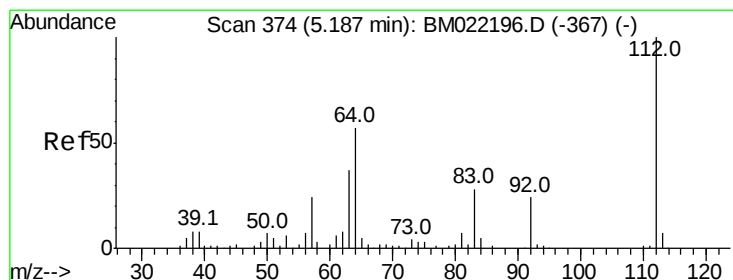
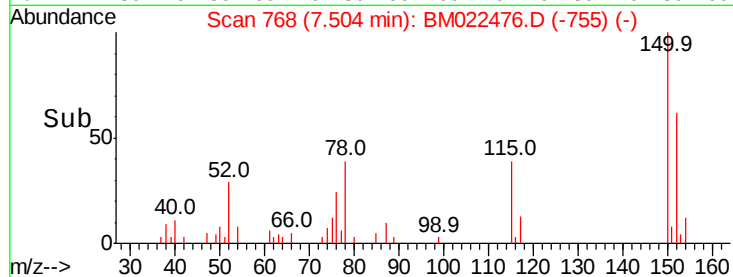
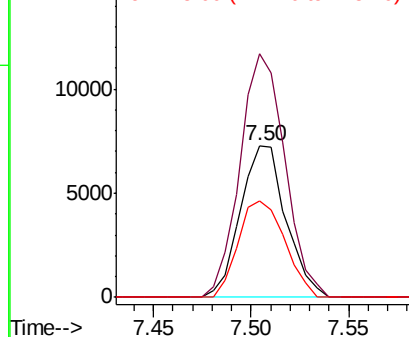
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.50 min Scan# 768
Delta R.T. -0.02 min
Lab File: BM022476.D
Acq: 01 Sep 2019 14:30

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 11758
Ion Ratio Lower Upper
152 100
150 160.1 125.4 188.0
115 63.0 50.3 75.5



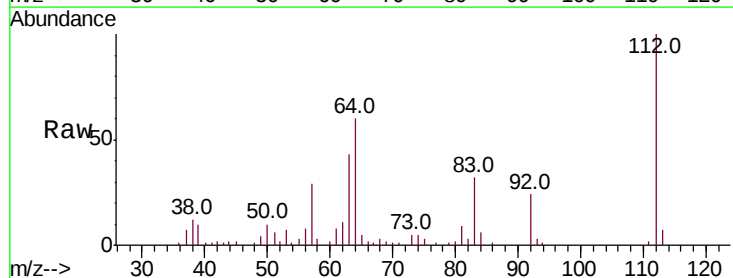
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



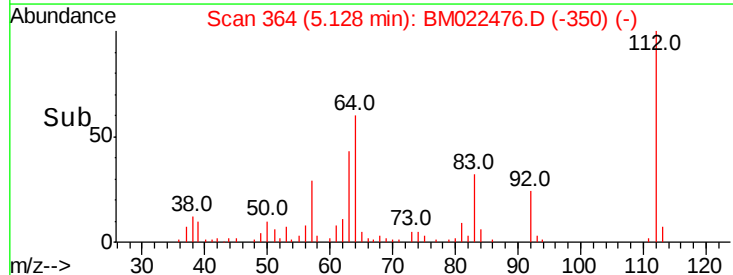
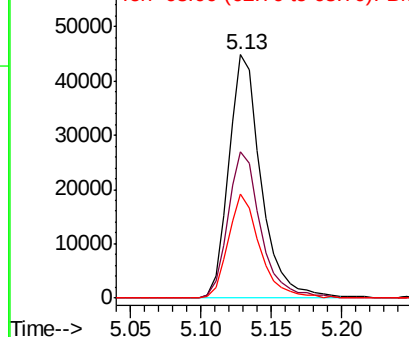
#5

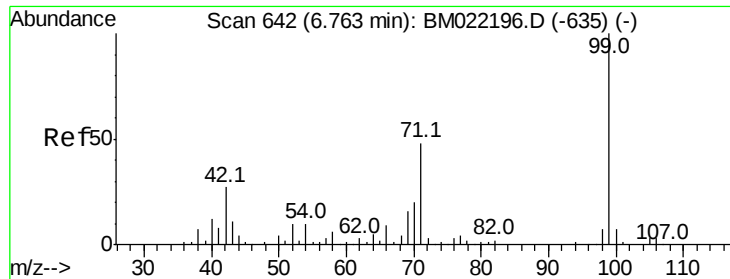
2-Fluorophenol
Concen: 106.725 ng
RT: 5.13 min Scan# 364
Delta R.T. -0.02 min
Lab File: BM022476.D
Acq: 01 Sep 2019 14:30

Tgt Ion:112 Resp: 71489
Ion Ratio Lower Upper
112 100
64 60.3 45.4 68.2
63 42.6 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: 101.832 ng

RT: 6.71 min Scan# 633

Delta R.T. -0.01 min

Lab File: BM022476.D

Acq: 01 Sep 2019 14:30

Instrument :

BNA_M

ClientSampleId :

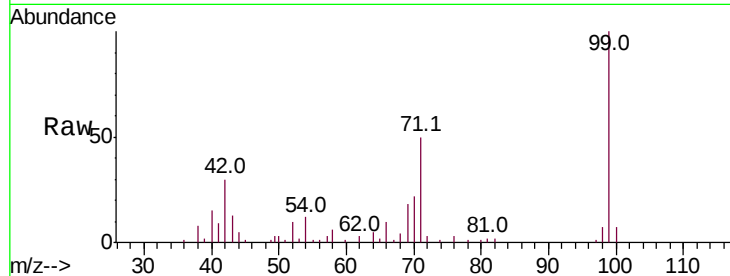
Tot Ion: 99 Resp: 91217

Ion Ratio Lower Upper

99 100

42 30.2 26.3 39.5

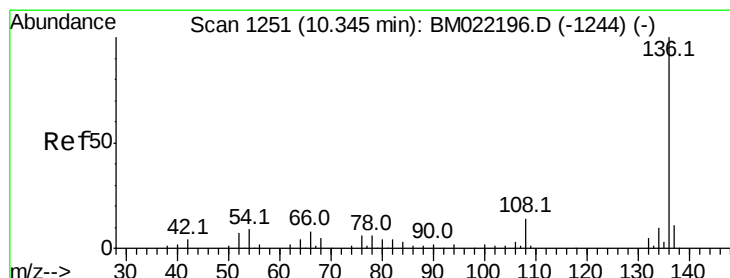
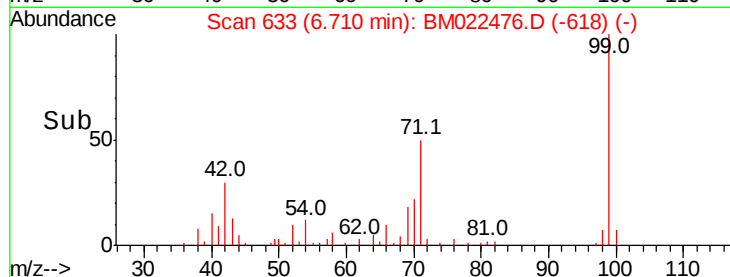
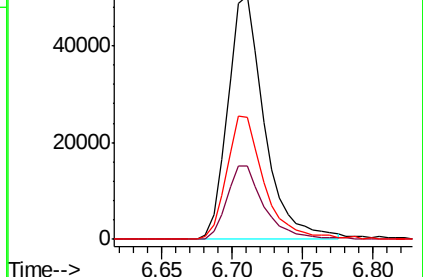
71 50.0 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022476.D (-635) (-)

Ion 42.00 (41.70 to 42.70): BM022476.D (-635) (-)

Ion 71.00 (70.70 to 71.70): BM022476.D (-635) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.28 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BM022476.D

Acq: 01 Sep 2019 14:30

Tgt Ion: 136 Resp: 44064

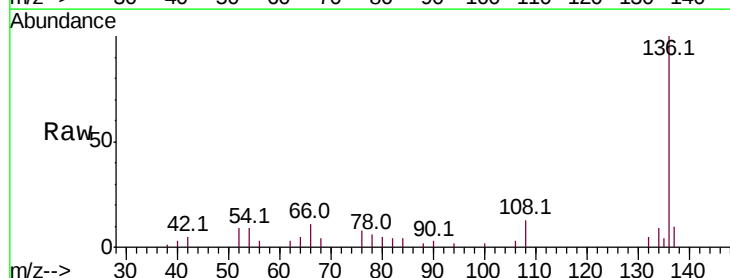
Ion Ratio Lower Upper

136 100

137 9.8 8.6 13.0

54 9.2 7.0 10.6

68 4.3 2.9 4.3

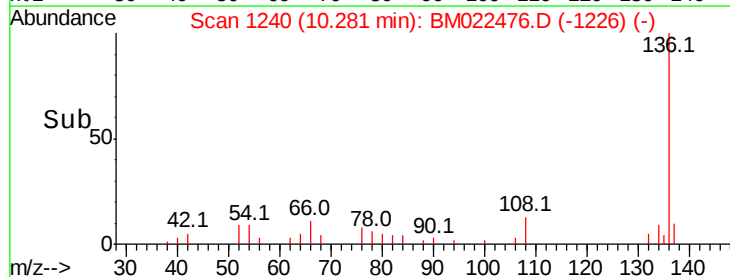
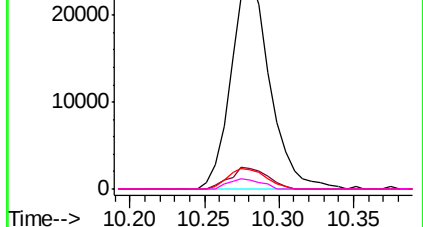


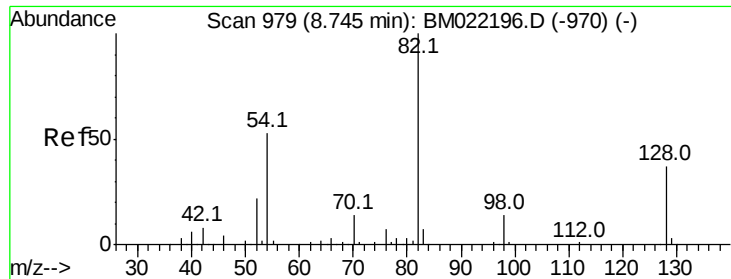
Abundance Ion 136.00 (135.70 to 136.70): BM022476.D (-1226) (-)

Ion 137.00 (136.70 to 137.70): BM022476.D (-1226) (-)

Ion 54.00 (53.70 to 54.70): BM022476.D (-1226) (-)

Ion 68.00 (67.70 to 68.70): BM022476.D (-1226) (-)

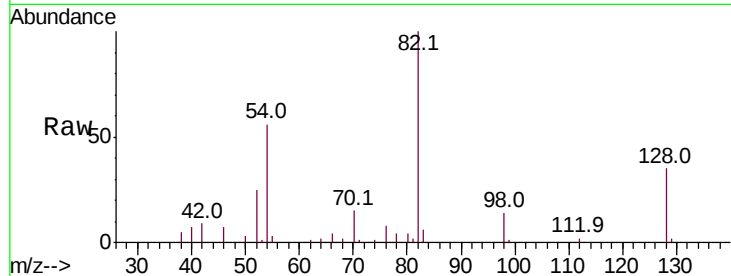




#23
Nitrobenzene-d5
Concen: 64.053 ng
RT: 8.68 min Scan# 968
Delta R.T. -0.02 min
Lab File: BM022476.D
Acq: 01 Sep 2019 14:30

Instrument :
BNA_M
ClientSampled :

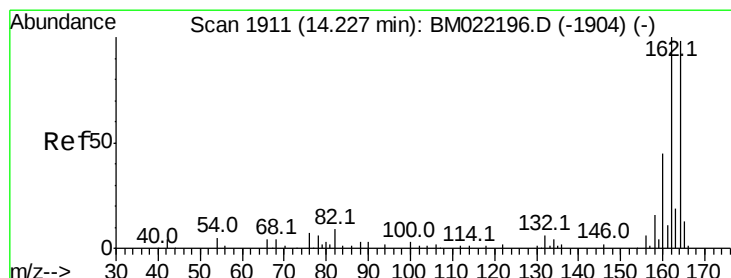
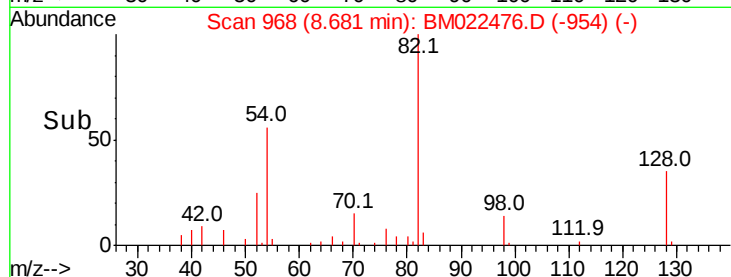
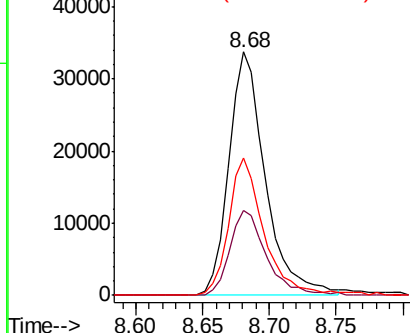
Tot Ion	82	Resp	64438
Ion Ratio	Lower	Upper	
82	100		
128	34.8	27.9	41.9
54	56.4	45.2	67.8



Abundance Ion 82.00 (81.70 to 82.70): BM022476.D (-954) (-)

Ion 128.00 (127.70 to 128.70): BM022476.D (-954) (-)

Ion 54.00 (53.70 to 54.70): BM022476.D (-954) (-)



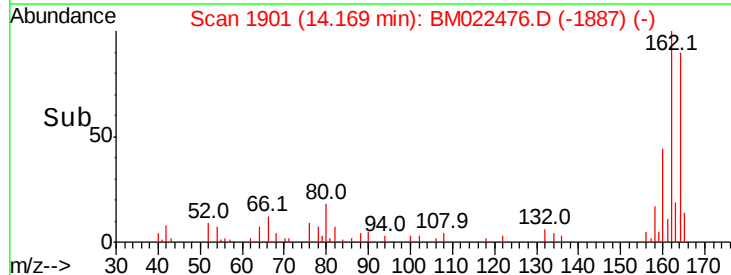
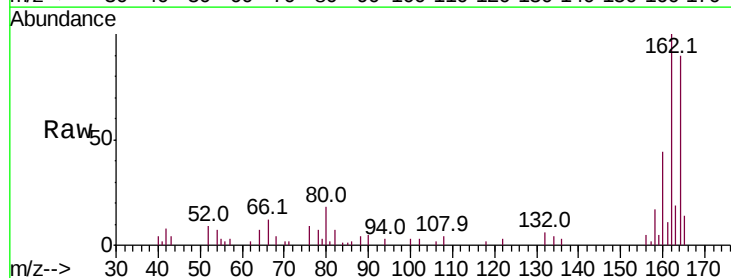
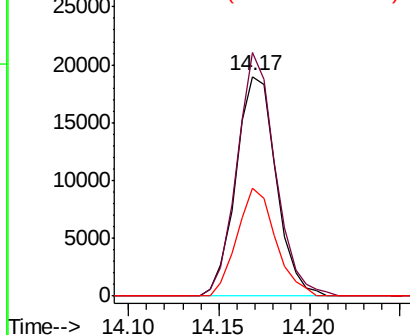
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.17 min Scan# 1901
Delta R.T. -0.02 min
Lab File: BM022476.D
Acq: 01 Sep 2019 14:30

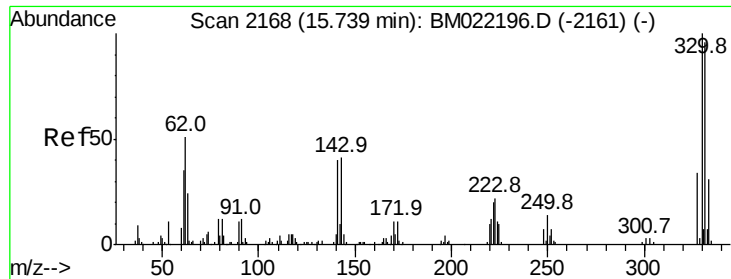
Tgt Ion	164	Resp	29271
Ion Ratio	Lower	Upper	
164	100		
162	110.7	80.6	121.0
160	49.0	37.3	55.9

Abundance Ion 164.00 (163.70 to 164.70): BM022476.D (-1887) (-)

Ion 162.00 (161.70 to 162.70): BM022476.D (-1887) (-)

Ion 160.00 (159.70 to 160.70): BM022476.D (-1887) (-)

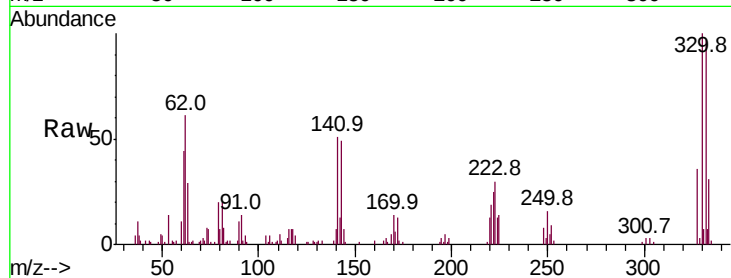




#42
 2,4,6-Tribromophenol
 Concen: 91.625 ng
 RT: 15.69 min Scan# 2159
 Delta R.T. -0.01 min
 Lab File: BM022476.D
 Acq: 01 Sep 2019 14:30

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.8	116.8
141	51.3	35.6	53.4

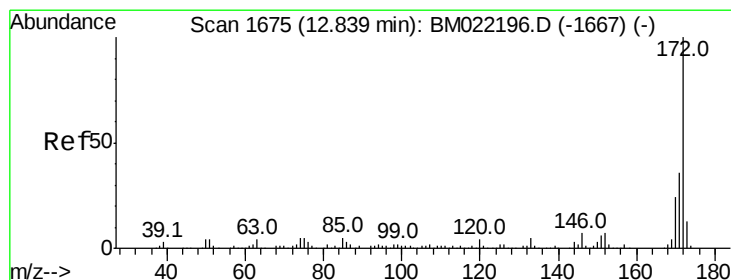
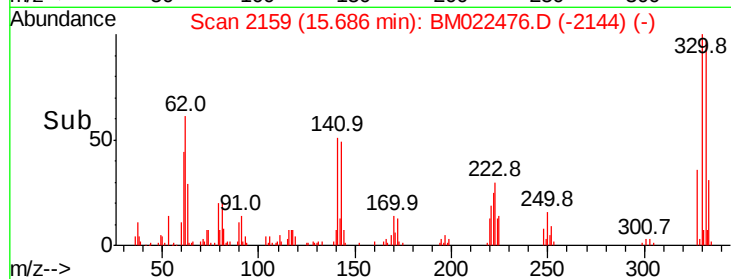
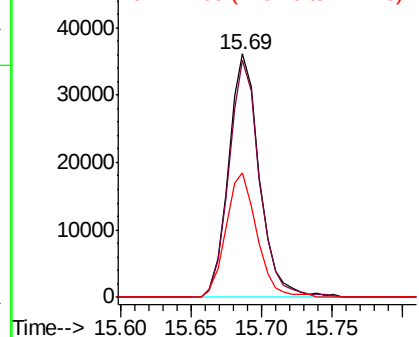


Abundance

Ion 329.80 (329.50 to 330.50): E

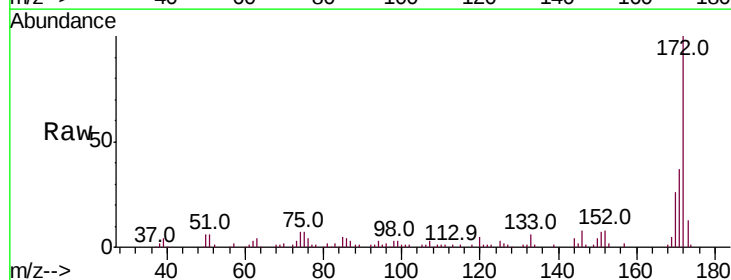
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 55.324 ng
 RT: 12.77 min Scan# 1664
 Delta R.T. -0.02 min
 Lab File: BM022476.D
 Acq: 01 Sep 2019 14:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	28.5	42.7
170	25.5	18.9	28.3

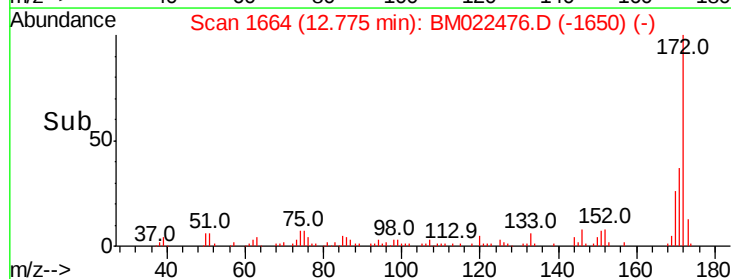
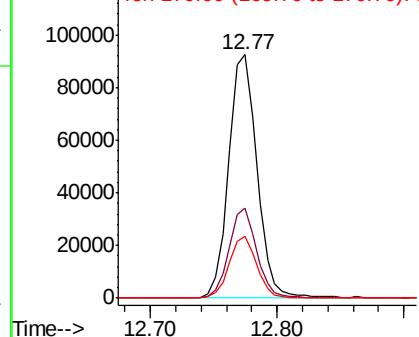


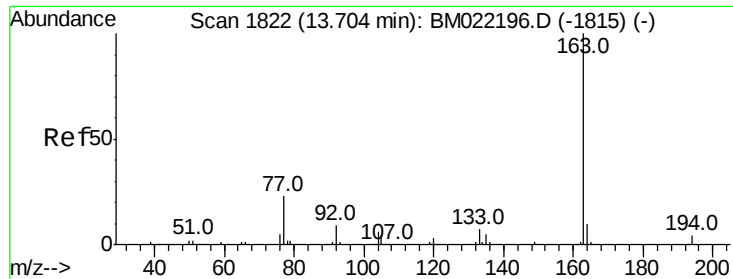
Abundance

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: 5.159 ng

RT: 13.65 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BM022476.D

Acq: 01 Sep 2019 14:30

Instrument :

BNA_M

ClientSampleId :

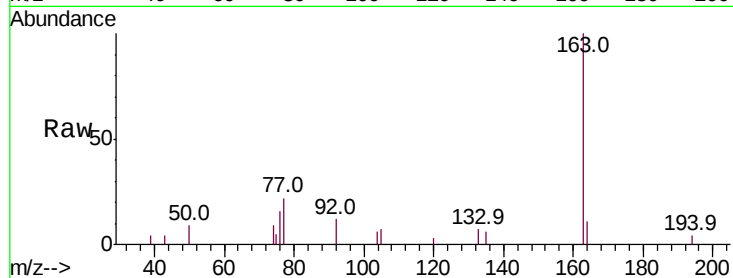
Tot Ion:163 Resp: 13135

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

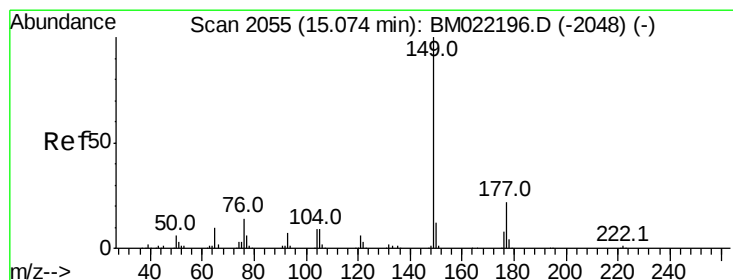
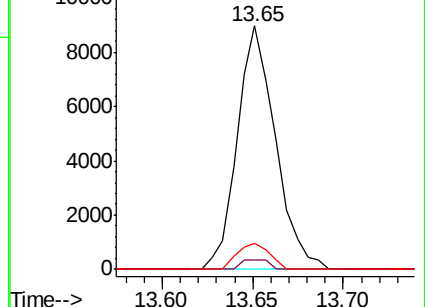
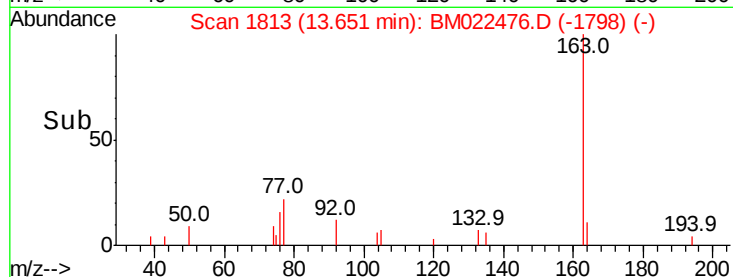
164 10.6 8.2 12.2



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



#60

Diethylphthalate

Concen: 2.448 ng

RT: 15.02 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BM022476.D

Acq: 01 Sep 2019 14:30

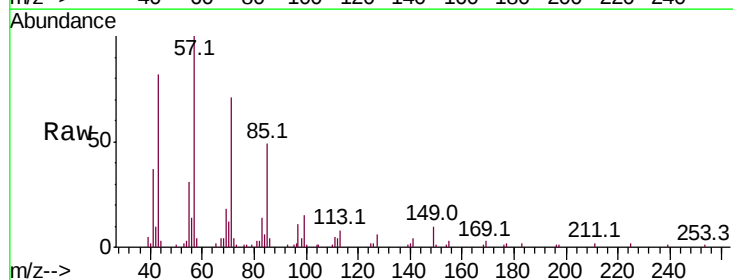
Tgt Ion:149 Resp: 6511

Ion Ratio Lower Upper

149 100

177 23.0 16.6 25.0

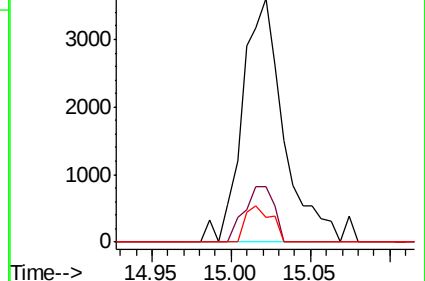
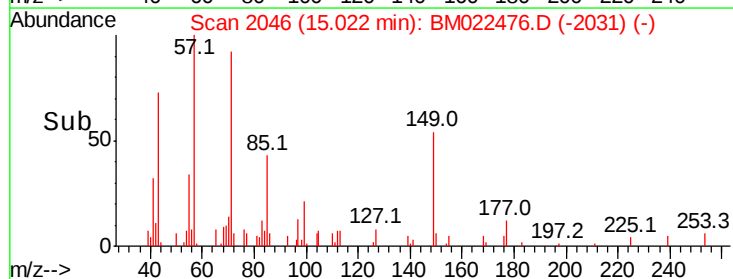
150 10.2 9.8 14.8

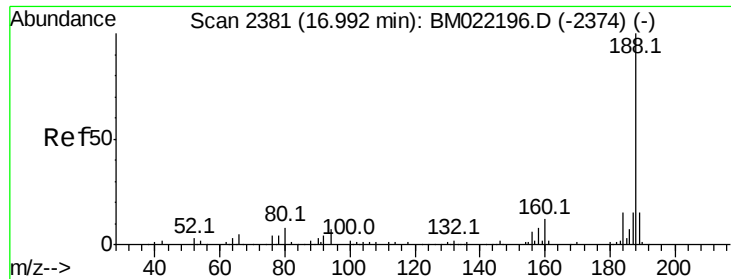


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

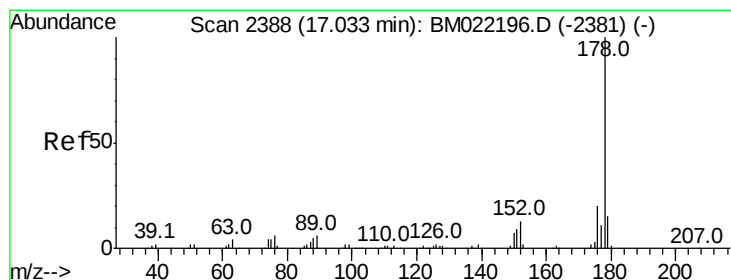
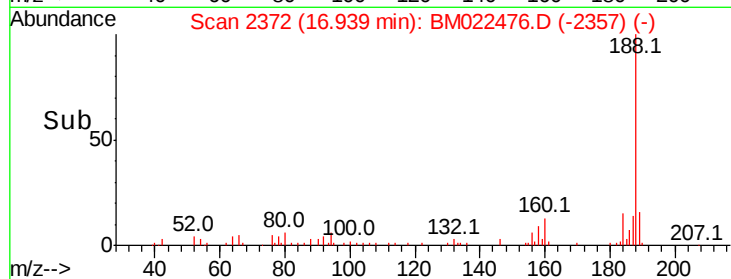
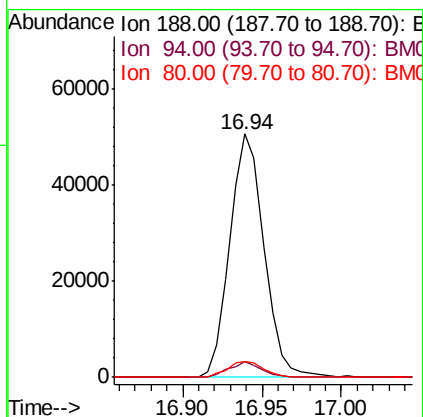
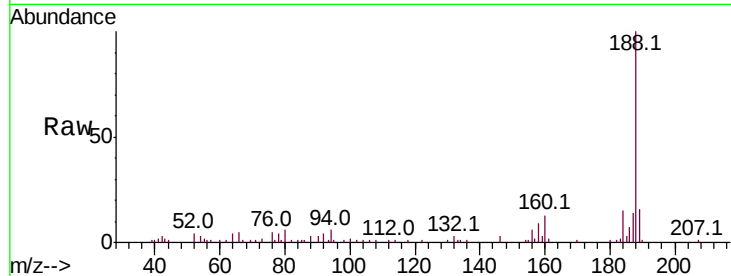




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.94 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM022476.D
Acq: 01 Sep 2019 14:30

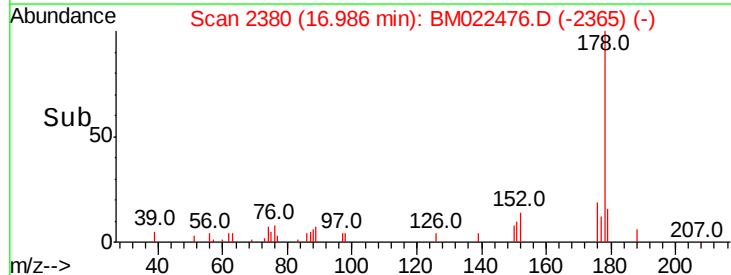
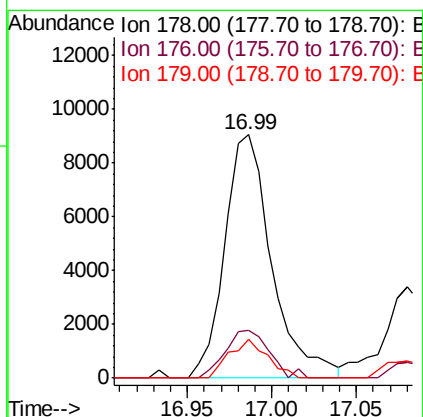
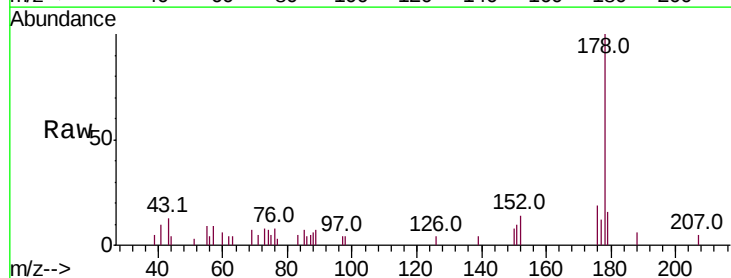
Instrument :
BNA_M
ClientSampleId :

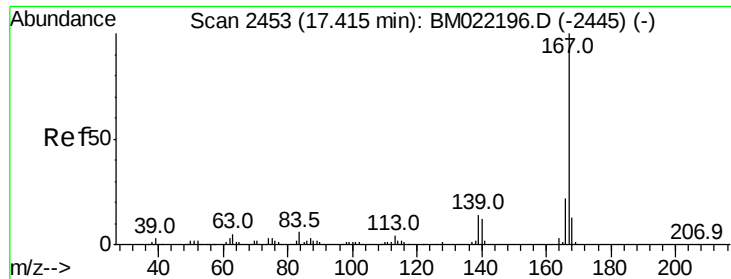
Tot Ion:188 Resp: 75855
Ion Ratio Lower Upper
188 100
94 6.3 4.4 6.6
80 6.3 5.0 7.6



#71
Phenanthrene
Concen: 3.979 ng
RT: 16.99 min Scan# 2380
Delta R.T. -0.01 min
Lab File: BM022476.D
Acq: 01 Sep 2019 14:30

Tgt Ion:178 Resp: 17592
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 16.1 12.3 18.5

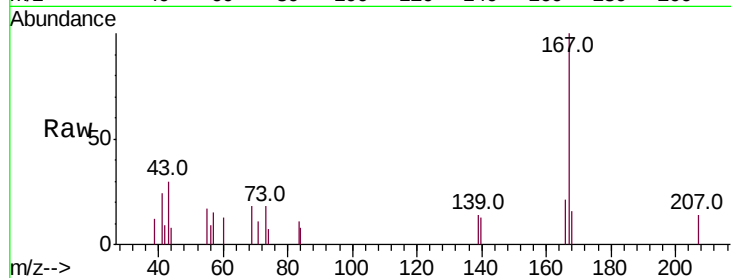




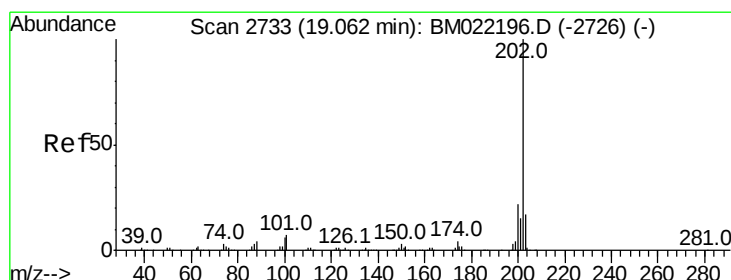
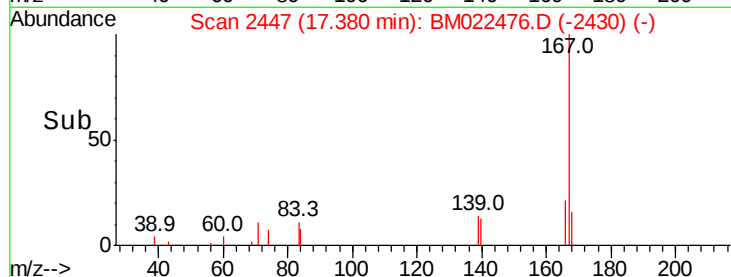
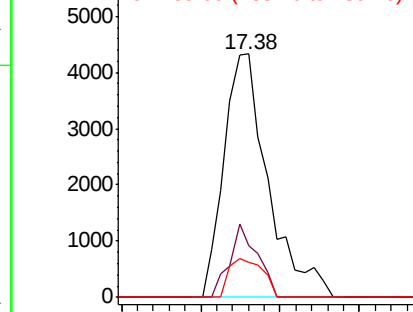
#73
 Carbazole
 Concen: 2.330 ng
 RT: 17.38 min Scan# 2447
 Delta R.T. -0.00 min
 Lab File: BM022476.D
 Acq: 01 Sep 2019 14:30

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.8	26.6
139	14.2	11.6	17.4

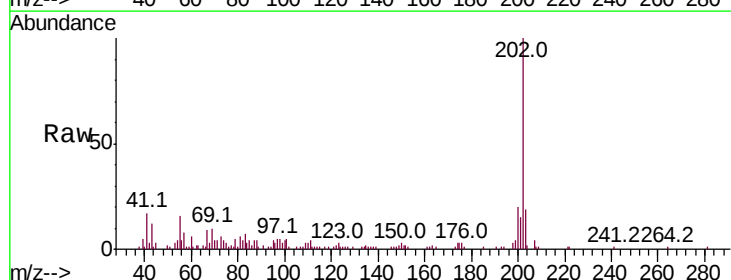


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

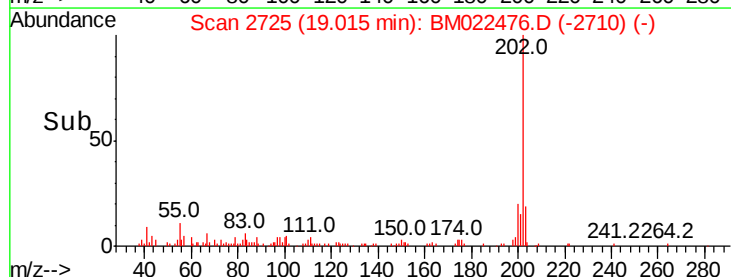
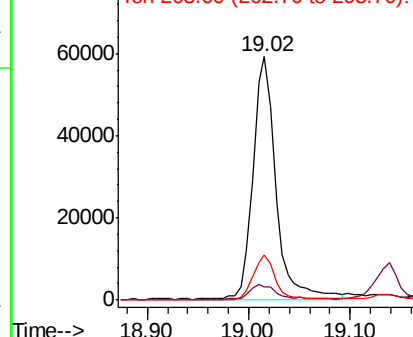


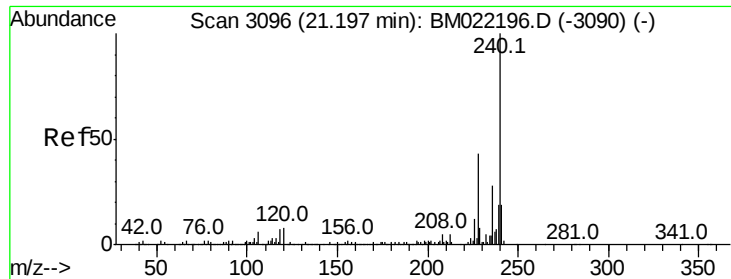
#75
 Fluoranthene
 Concen: 16.189 ng
 RT: 19.02 min Scan# 2725
 Delta R.T. -0.01 min
 Lab File: BM022476.D
 Acq: 01 Sep 2019 14:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.5	0.0	25.1
203	18.7	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

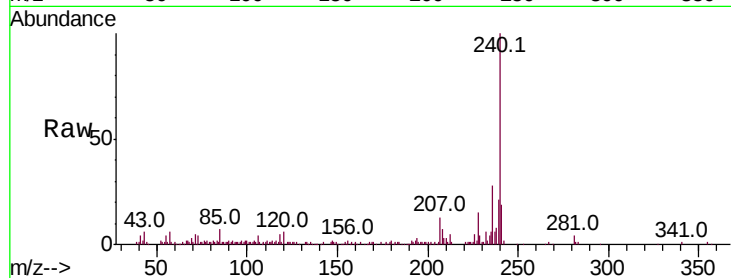




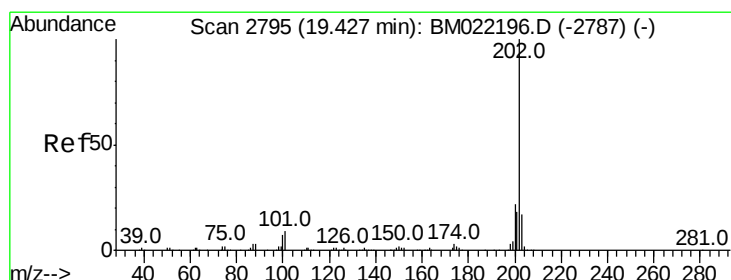
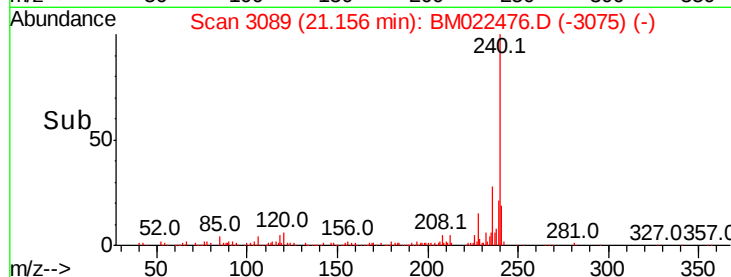
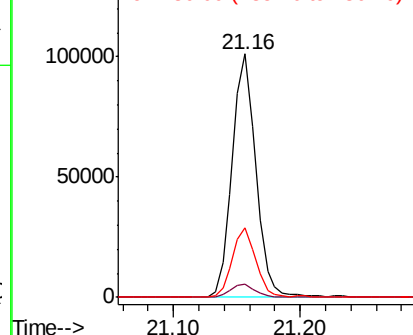
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.16 min Scan# 3089
Delta R.T. -0.02 min
Lab File: BM022476.D
Acq: 01 Sep 2019 14:30

Instrument :
BNA_M
ClientSampled :

Tot Ion:240 Resp: 131379
Ion Ratio Lower Upper
240 100
120 5.6 3.9 5.9
236 28.5 21.4 32.2

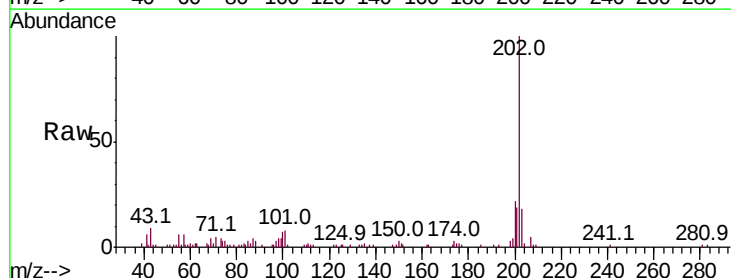


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

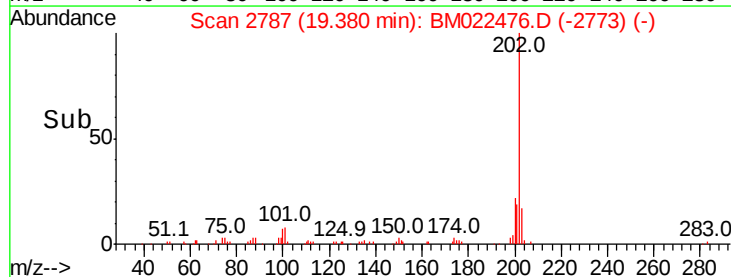
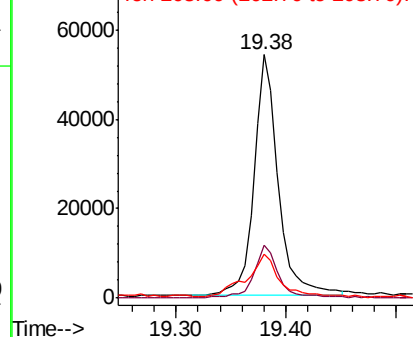


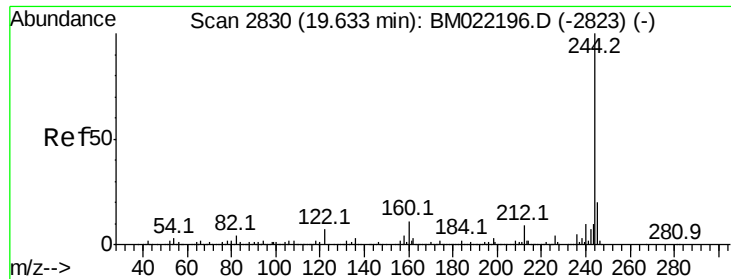
#78
Pyrene
Concen: 9.137 ng
RT: 19.38 min Scan# 2787
Delta R.T. -0.02 min
Lab File: BM022476.D
Acq: 01 Sep 2019 14:30

Tgt Ion:202 Resp: 81810
Ion Ratio Lower Upper
202 100
200 21.7 17.7 26.5
203 18.2 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

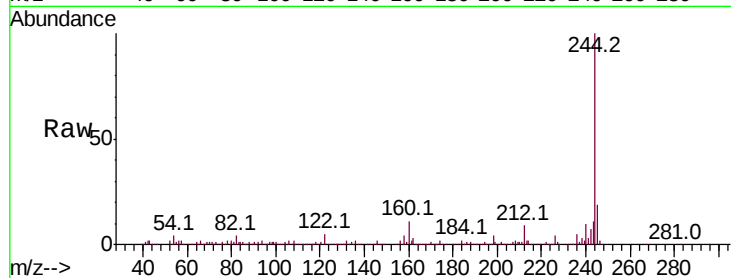




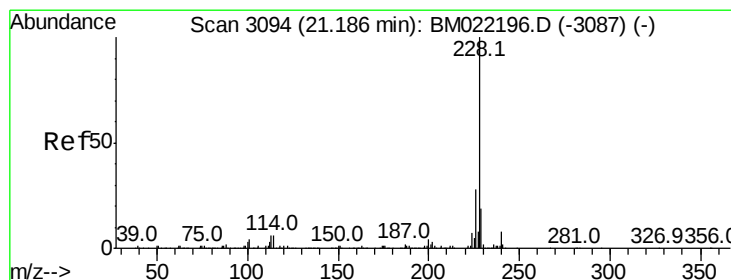
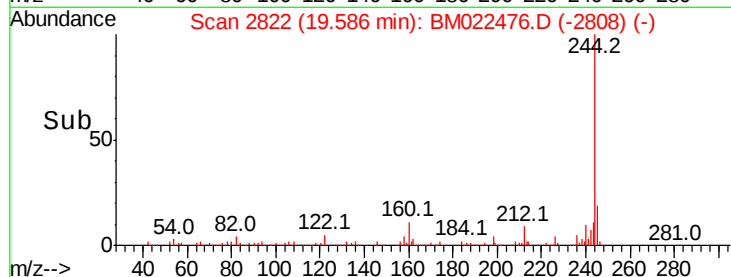
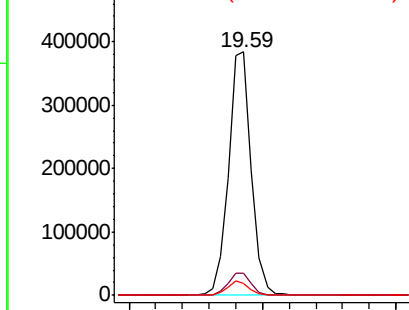
#79
 Terphenyl-d14
 Concen: 46.165 ng
 RT: 19.59 min Scan# 2822
 Delta R.T. -0.02 min
 Lab File: BM022476.D
 Acq: 01 Sep 2019 14:30

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:244 Resp: 459561
 Ion Ratio Lower Upper
 244 100
 212 8.9 7.0 10.4
 122 5.0 3.9 5.9

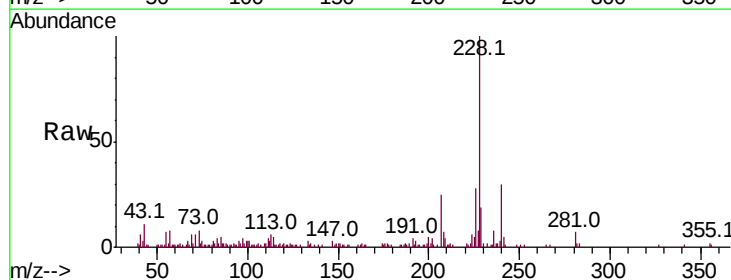


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

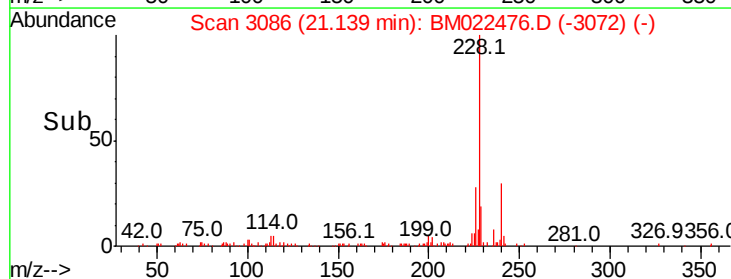
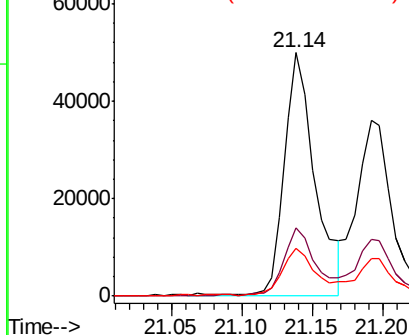


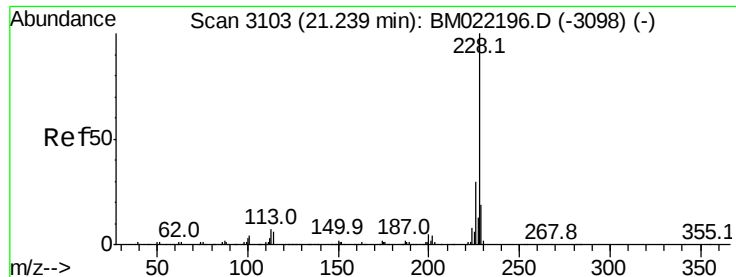
#81
 Benzo(a)anthracene
 Concen: 8.123 ng
 RT: 21.14 min Scan# 3086
 Delta R.T. -0.02 min
 Lab File: BM022476.D
 Acq: 01 Sep 2019 14:30

Tgt Ion:228 Resp: 76602
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.6 34.0
 229 19.5 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

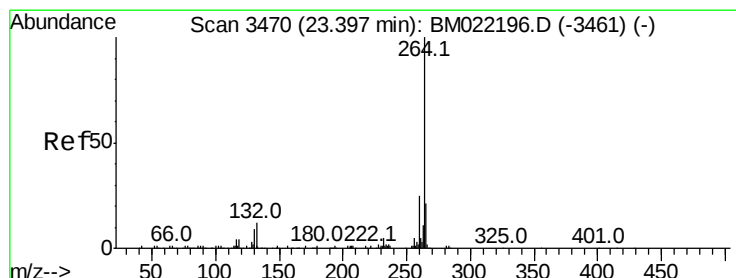
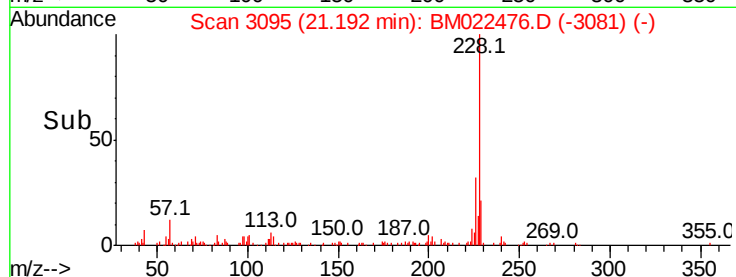
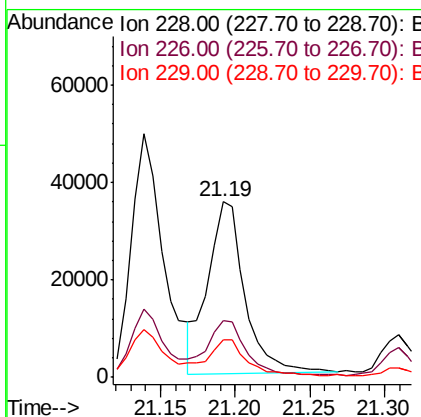
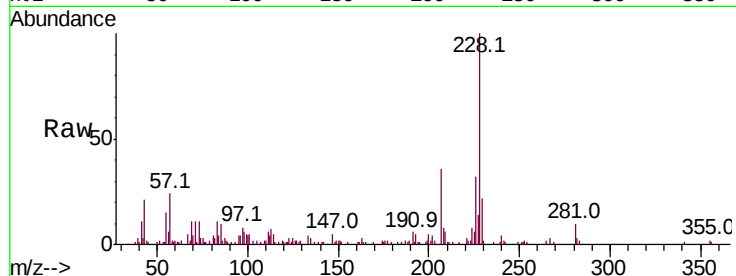




#83
Chrysene
Concen: 6.785 ng
RT: 21.19 min Scan# 3095
Delta R.T. -0.02 min
Lab File: BM022476.D
Acq: 01 Sep 2019 14:30

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.5	36.7
229	21.5	15.7	23.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.34 min Scan# 3460
Delta R.T. -0.02 min
Lab File: BM022476.D
Acq: 01 Sep 2019 14:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.2	30.2
265	22.5	18.2	27.2

