

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
 Data File : BM024698.D
 Acq On : 03 Feb 2020 14:34
 Operator : CG/JU
 Sample : L1343-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 04 02:58:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

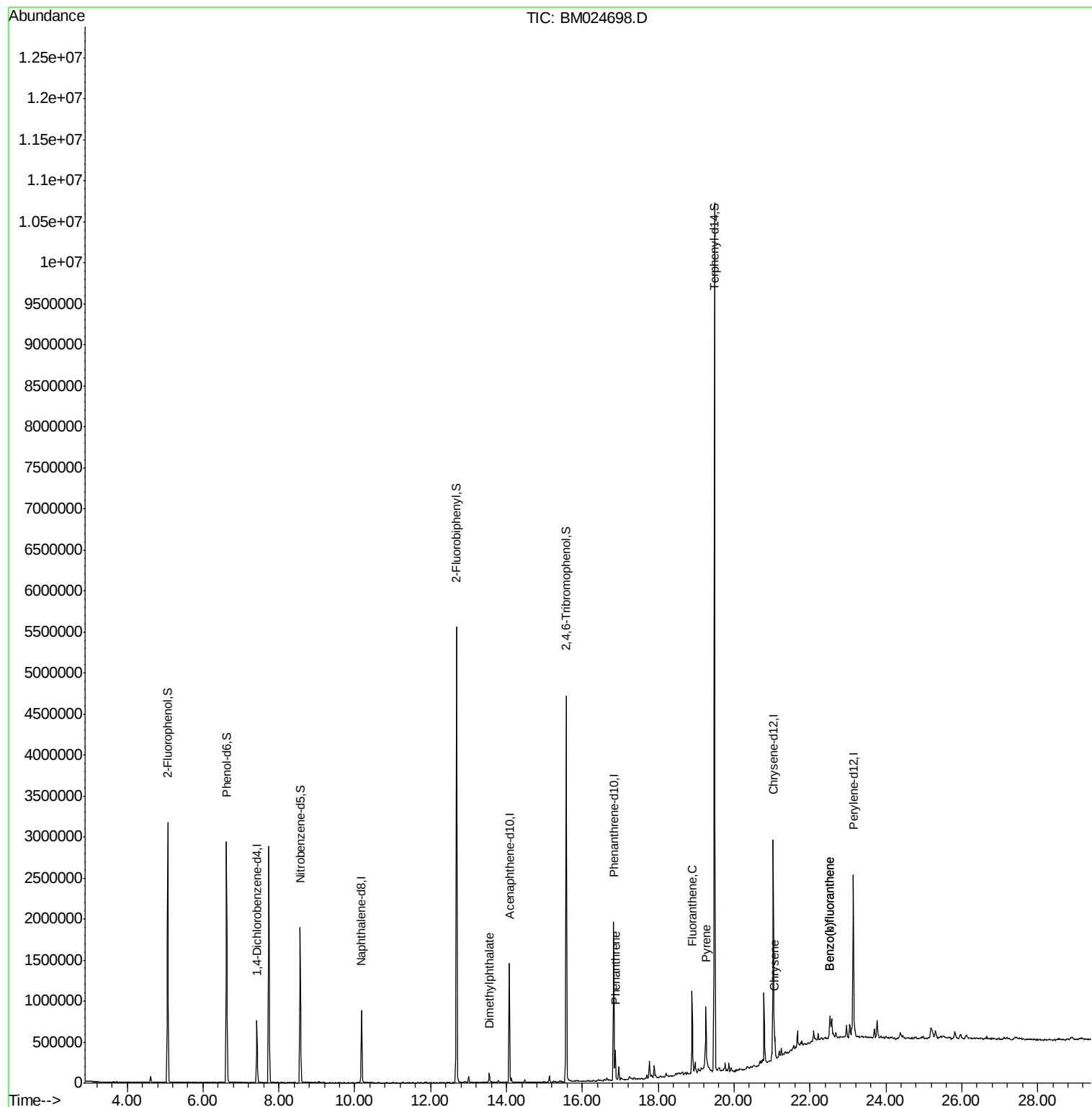
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	208992	20.00	ng	-0.02
21) Naphthalene-d8	10.18	136	756579	20.00	ng	-0.02
39) Acenaphthene-d10	14.07	164	508488	20.00	ng	-0.02
64) Phenanthrene-d10	16.83	188	1173070	20.00	ng	-0.02
76) Chrysene-d12	21.03	240	1232780	20.00	ng	-0.02
87) Perylene-d12	23.14	264	1451750	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	1346694	122.54	ng	-0.01
7) Phenol-d6	6.62	99	1684456	111.27	ng	-0.02
23) Nitrobenzene-d5	8.56	82	1089165	70.60	ng	-0.02
42) 2,4,6-Tribromophenol	15.57	330	993993	120.17	ng	-0.02
45) 2-Fluorobiphenyl	12.69	172	2948824	78.84	ng	-0.02
79) Terphenyl-d14	19.49	244	5402527	81.82	ng	-0.02
Target Compounds						
50) Dimethylphthalate	13.54	163	84265	2.049	ng	Qvalue 100
71) Phenanthrene	16.87	178	220346	3.469	ng	98
75) Fluoranthene	18.89	202	623385	7.863	ng	98
78) Pyrene	19.26	202	464479	5.715	ng	99
83) Chrysene	21.07	228	181811	2.227	ng	98
88) Benzo(b)fluoranthene	22.53	252	315936	3.355	ng	98
89) Benzo(k)fluoranthene	22.53	252	314549	3.422	ng	96

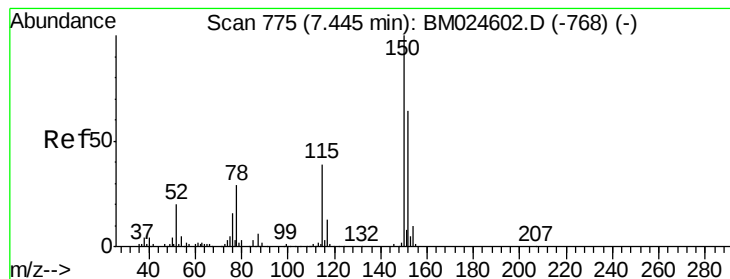
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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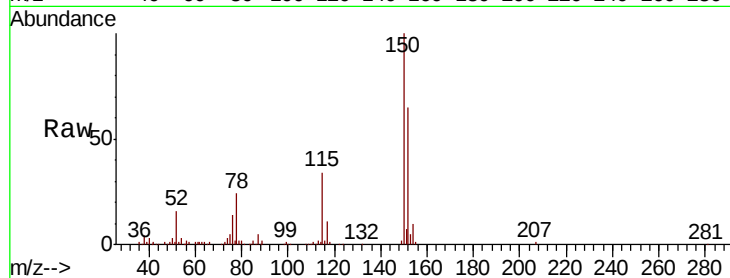


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.42 min Scan# 771
Delta R.T. -0.02 min
Lab File: BM024698.D
Acq: 03 Feb 2020 14:34

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.2	186.4
115	52.5	48.6	72.8

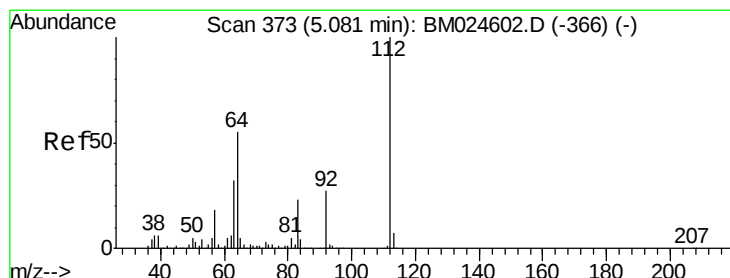
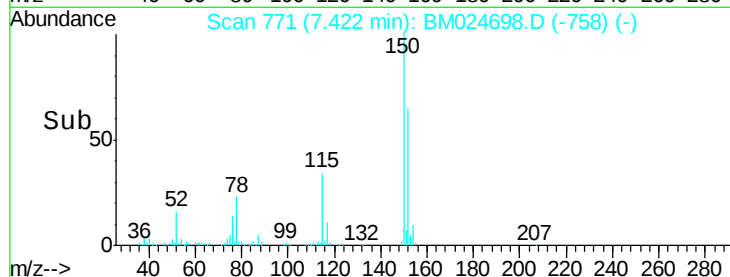
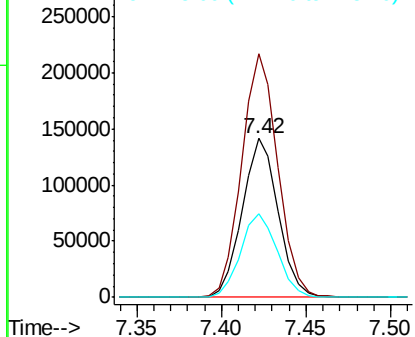


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

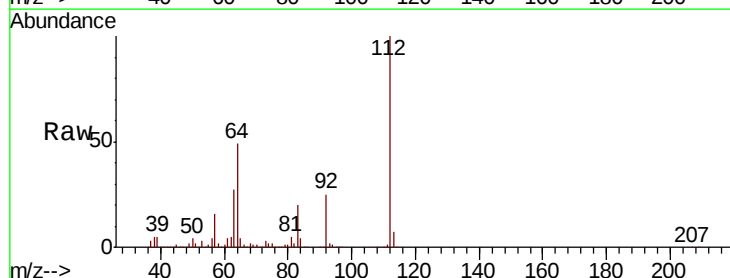
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 122.545 ng
RT: 5.07 min Scan# 371
Delta R.T. -0.01 min
Lab File: BM024698.D
Acq: 03 Feb 2020 14:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.4	44.2	66.4
63	27.5	25.9	38.9

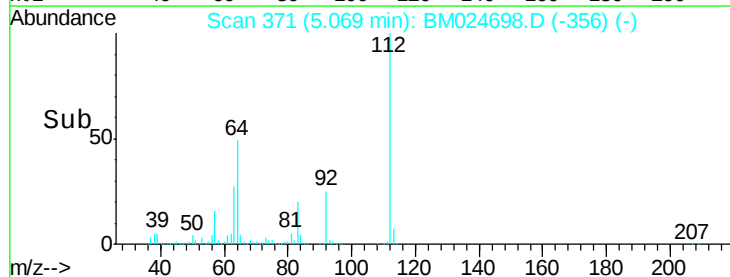
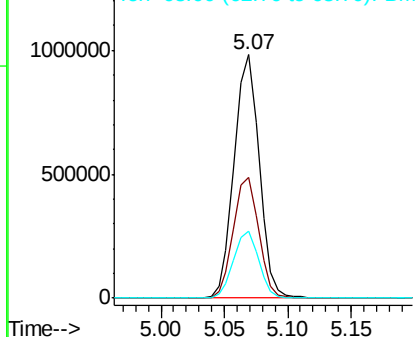


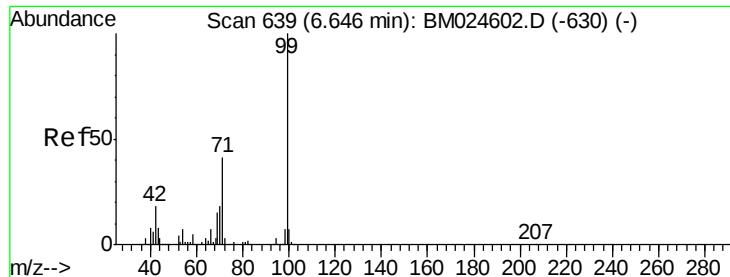
Abundance

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: 111.268 ng

RT: 6.62 min Scan# 635

Delta R.T. -0.02 min

Lab File: BM024698.D

Acq: 03 Feb 2020 14:34

Instrument :

BNA_M

ClientSampled :

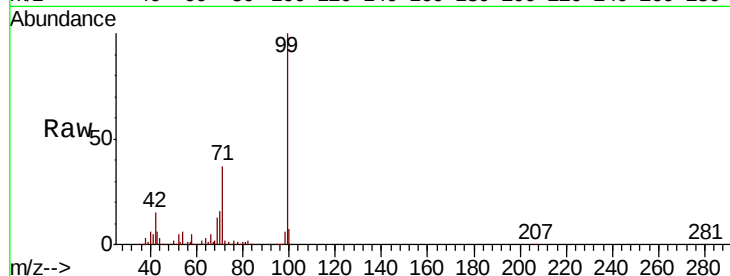
Tot Ion: 99 Resp: 1684456

Ion Ratio Lower Upper

99 100

42 15.3 14.1 21.1

71 37.4 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BM024698.D (-622) (-)

Ion 42.00 (41.70 to 42.70): BM024698.D (-622) (-)

Ion 71.00 (70.70 to 71.70): BM024698.D (-622) (-)

6.62

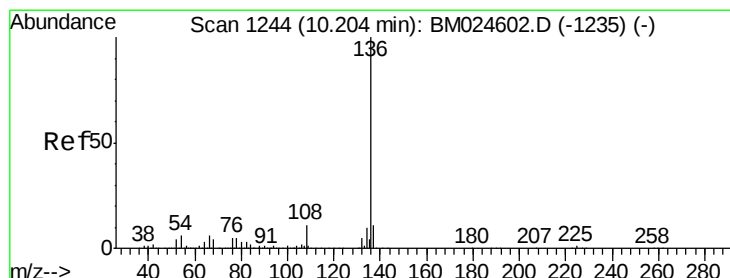
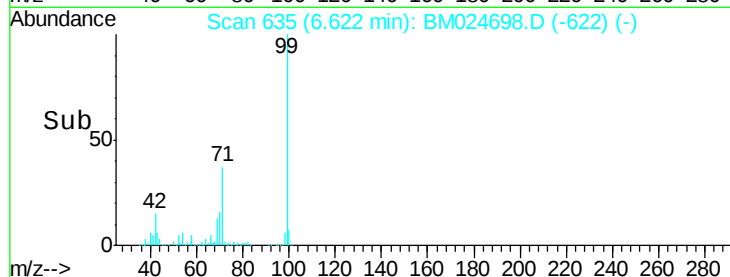
1000000

500000

0

6.55 6.60 6.65 6.70

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BM024698.D

Acq: 03 Feb 2020 14:34

Tgt Ion: 136 Resp: 756579

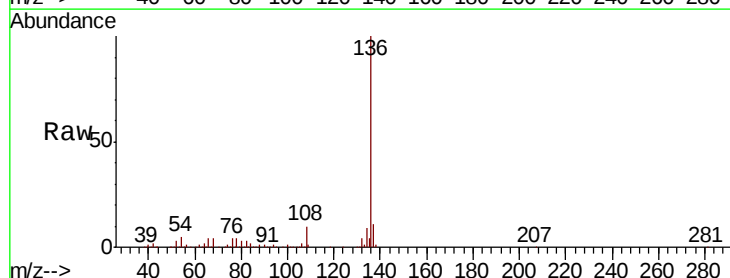
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 4.8 4.5 6.7

68 4.4 3.4 5.0



Abundance Ion 136.00 (135.70 to 136.70): BM024698.D (-1227) (-)

Ion 137.00 (136.70 to 137.70): BM024698.D (-1227) (-)

Ion 54.00 (53.70 to 54.70): BM024698.D (-1227) (-)

Ion 68.00 (67.70 to 68.70): BM024698.D (-1227) (-)

10.18

600000

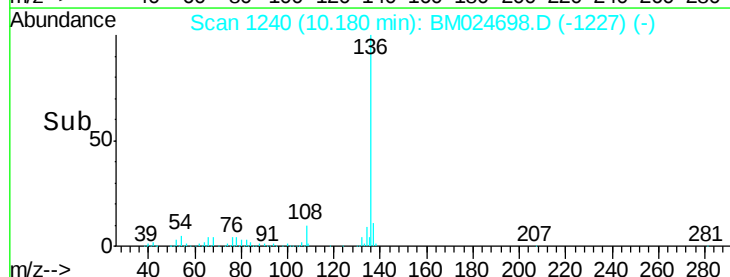
400000

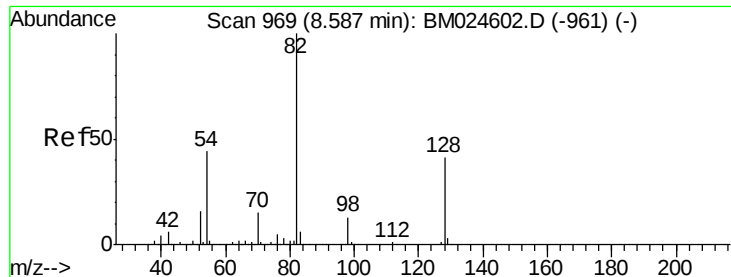
200000

0

10.10 10.20

Time-->



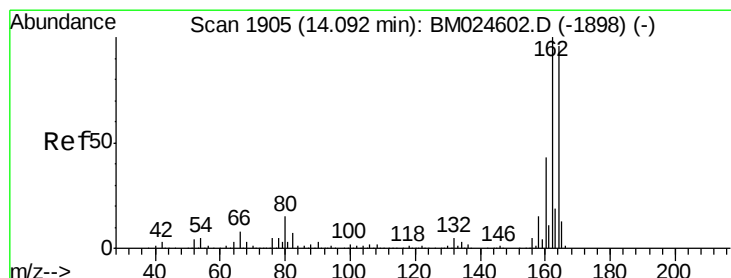
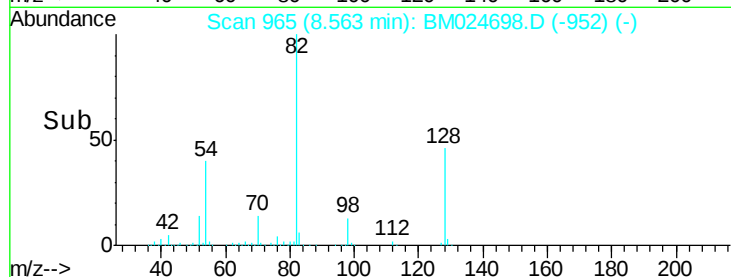
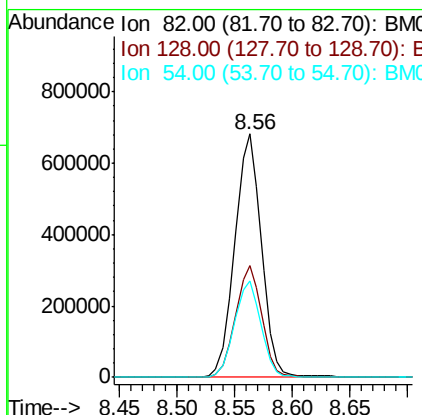
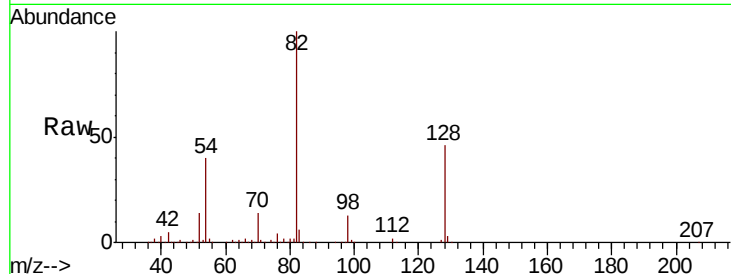


#23
 Nitrobenzene-d5
 Concen: 70.600 ng
 RT: 8.56 min Scan# 965
 Delta R.T. -0.02 min
 Lab File: BM024698.D
 Acq: 03 Feb 2020 14:34

Instrument :
 BNA_M
 ClientSampled :

Tot Ion: 82 Resp: 1089165

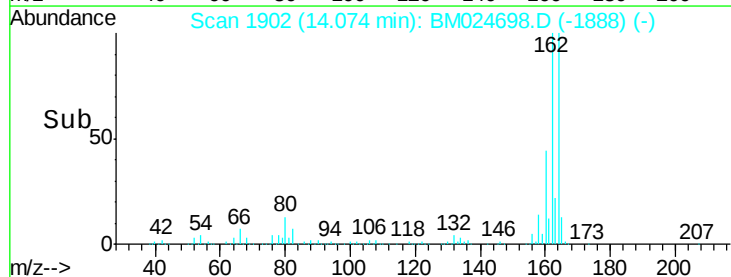
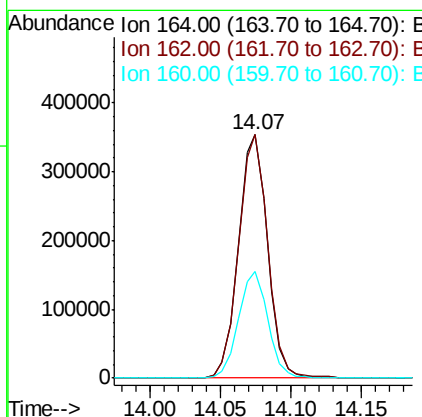
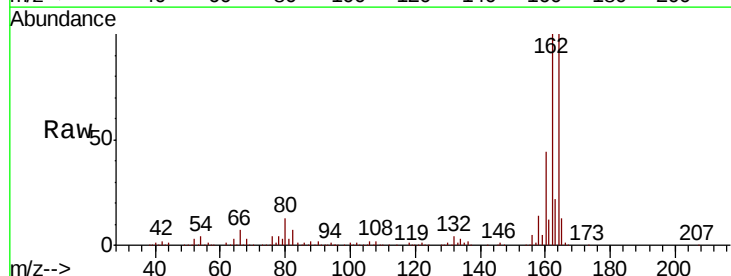
Ion	Ratio	Lower	Upper
82	100		
128	45.9	32.6	48.8
54	39.6	34.8	52.2

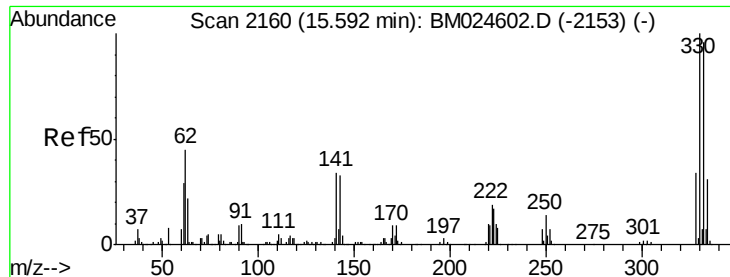


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.07 min Scan# 1902
 Delta R.T. -0.02 min
 Lab File: BM024698.D
 Acq: 03 Feb 2020 14:34

Tgt Ion: 164 Resp: 508488

Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.9	124.3
160	43.8	35.5	53.3

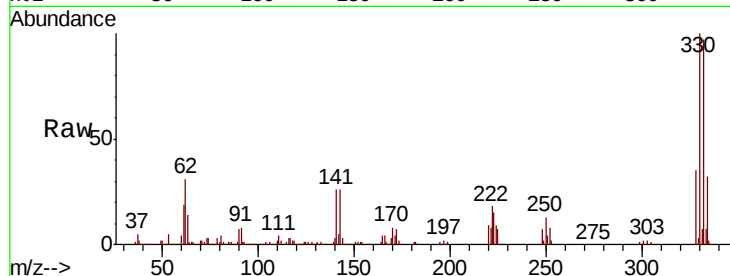




#42
 2,4,6-Tribromophenol
 Concen: 120.174 ng
 RT: 15.57 min Scan# 2157
 Delta R.T. -0.02 min
 Lab File: BM024698.D
 Acq: 03 Feb 2020 14:34

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.2	115.8
141	27.0	26.9	40.3

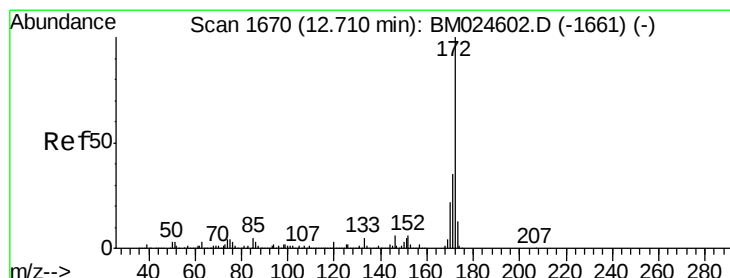
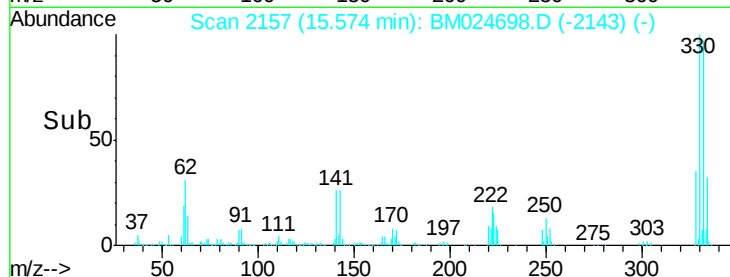
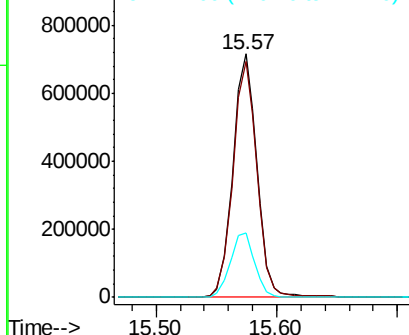


Abundance

Ion 329.80 (329.50 to 330.50): E

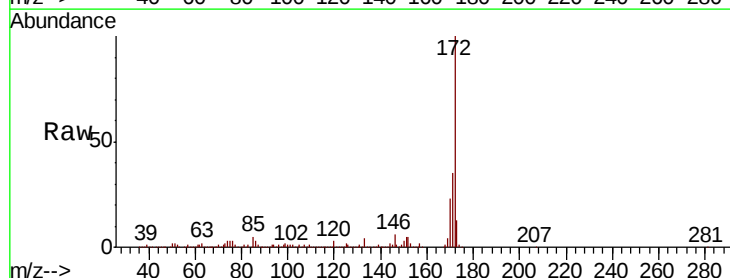
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 78.840 ng
 RT: 12.69 min Scan# 1666
 Delta R.T. -0.02 min
 Lab File: BM024698.D
 Acq: 03 Feb 2020 14:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.3	42.5
170	22.5	17.9	26.9

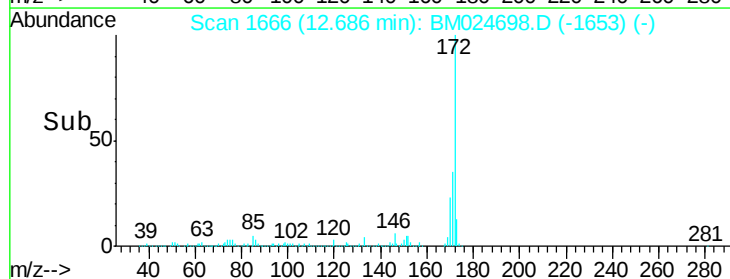
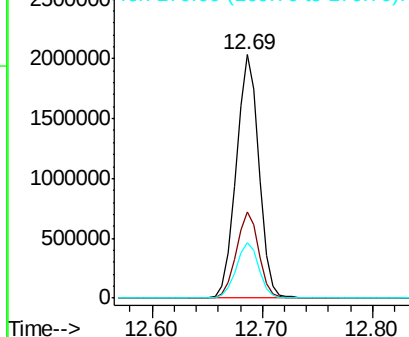


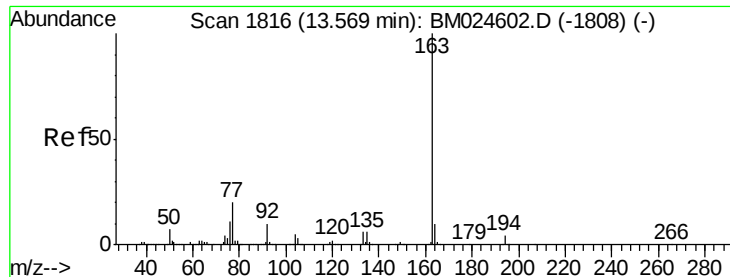
Abundance

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

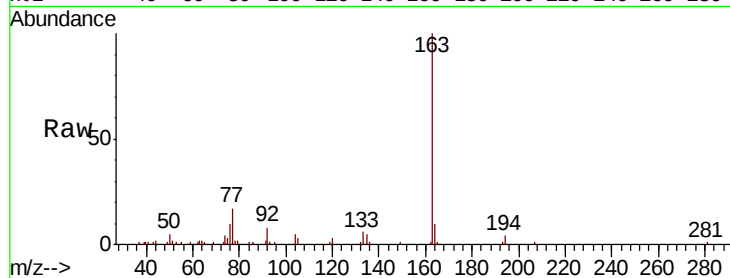




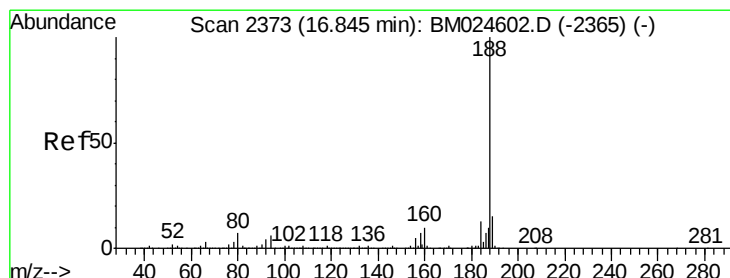
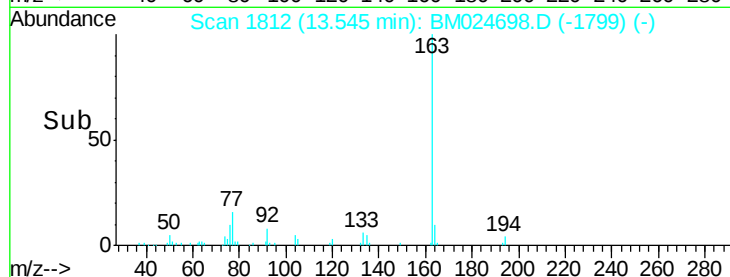
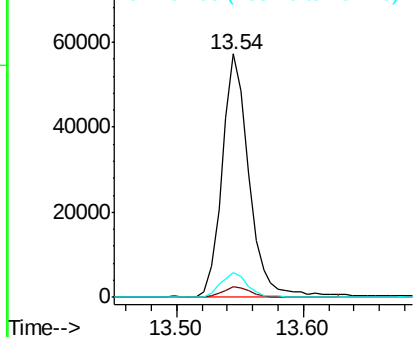
#50
Dimethylphthalate
Concen: 2.049 ng
RT: 13.54 min Scan# 1812
Delta R.T. -0.02 min
Lab File: BM024698.D
Acq: 03 Feb 2020 14:34

Instrument :
BNA_M
ClientSampleId :

Tot Ion:163 Resp: 84265
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.0
164 9.9 8.0 12.0

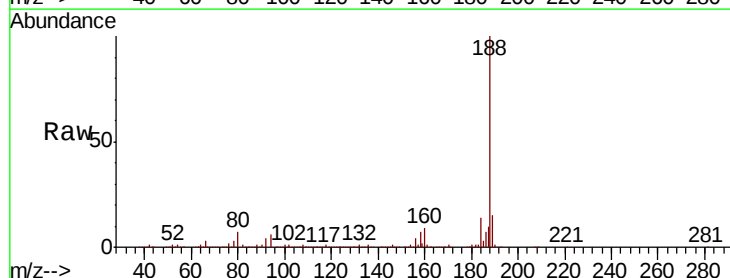


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

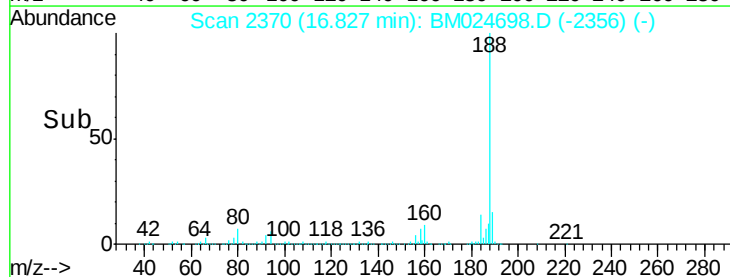
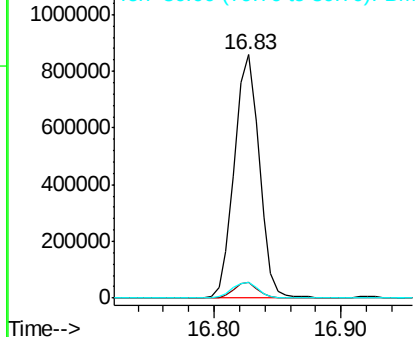


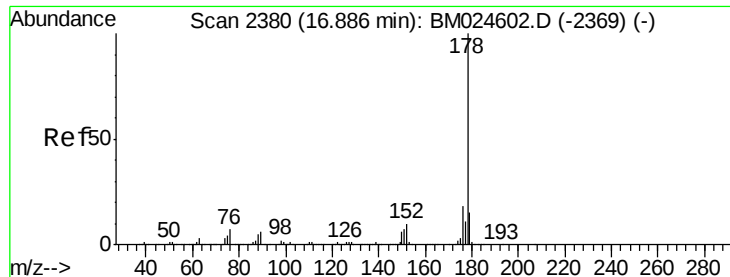
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.83 min Scan# 2370
Delta R.T. -0.02 min
Lab File: BM024698.D
Acq: 03 Feb 2020 14:34

Tgt Ion:188 Resp: 1173070
Ion Ratio Lower Upper
188 100
94 6.3 5.0 7.6
80 6.6 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0

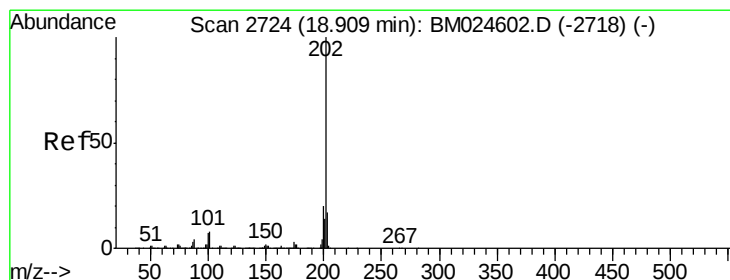
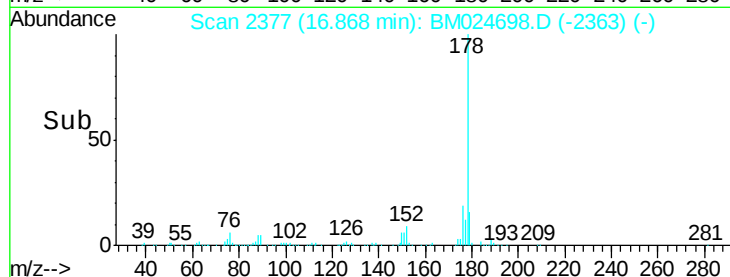
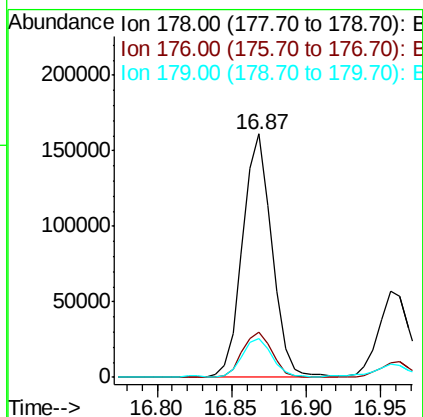
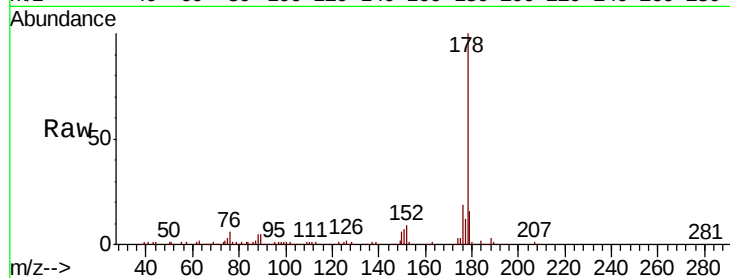




#71
Phenanthrene
Concen: 3.469 ng
RT: 16.87 min Scan# 2377
Delta R.T. -0.02 min
Lab File: BM024698.D
Acq: 03 Feb 2020 14:34

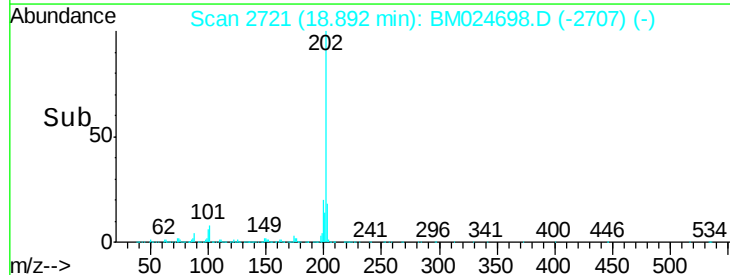
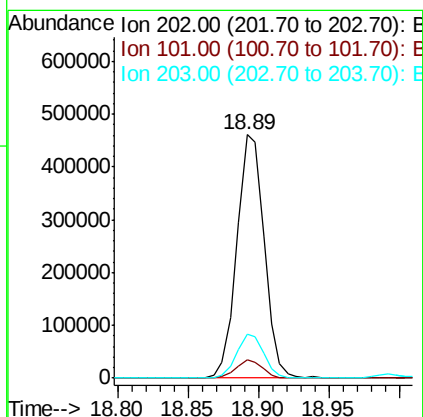
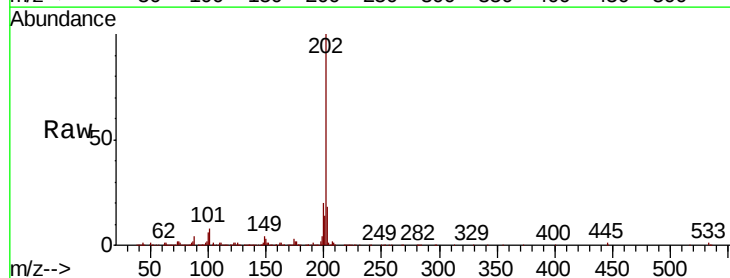
Instrument :
BNA_M
ClientSampleId :

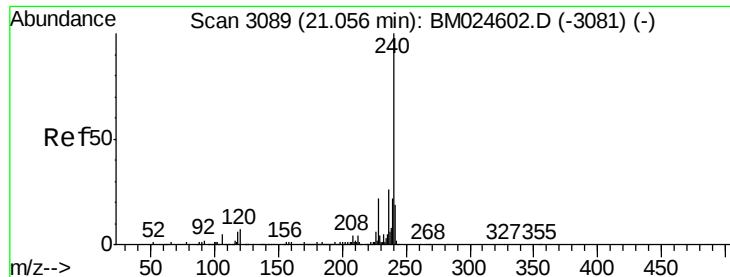
Tot Ion:178 Resp: 220346
Ion Ratio Lower Upper
178 100
176 18.6 14.5 21.7
179 16.0 11.9 17.9



#75
Fluoranthene
Concen: 7.863 ng
RT: 18.89 min Scan# 2721
Delta R.T. -0.02 min
Lab File: BM024698.D
Acq: 03 Feb 2020 14:34

Tgt Ion:202 Resp: 623385
Ion Ratio Lower Upper
202 100
101 7.6 0.0 28.4
203 18.0 0.0 37.5

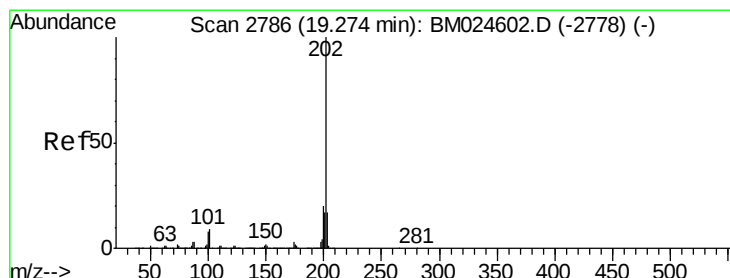
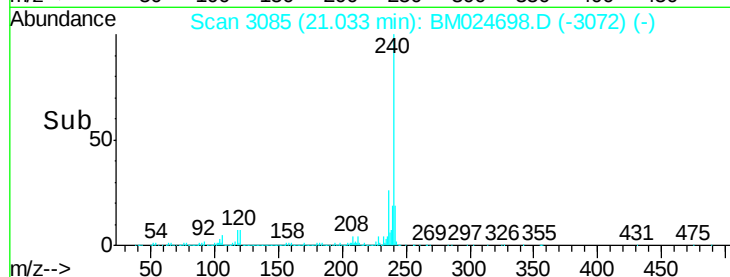
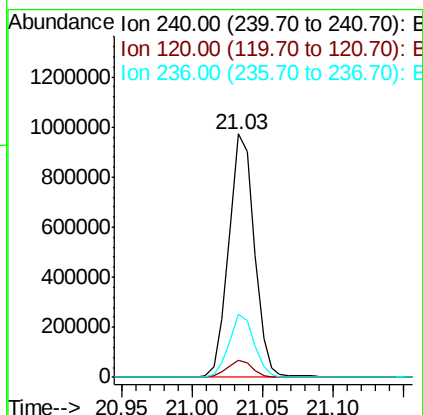
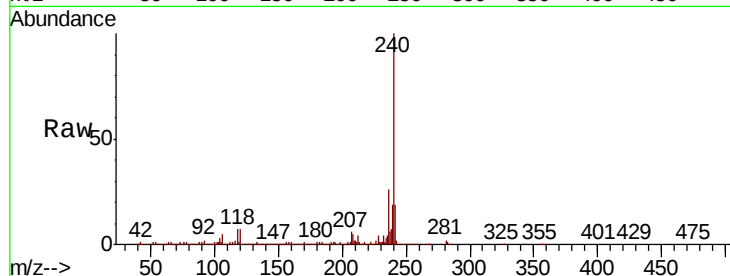




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.03 min Scan# 3085
Delta R.T. -0.02 min
Lab File: BM024698.D
Acq: 03 Feb 2020 14:34

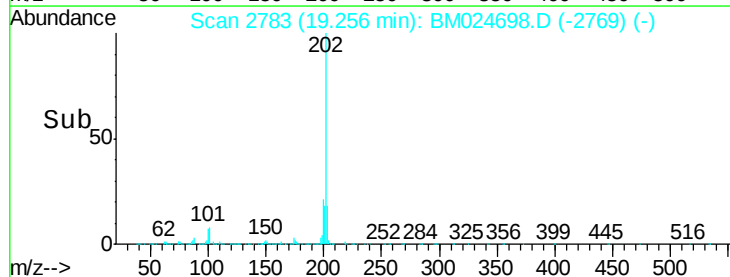
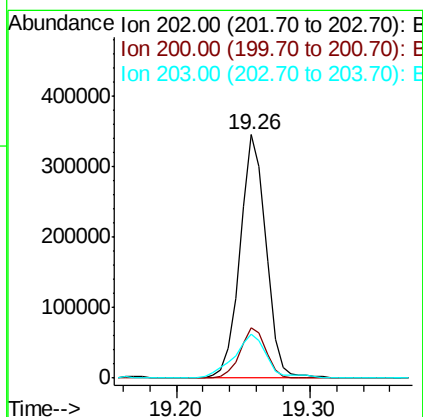
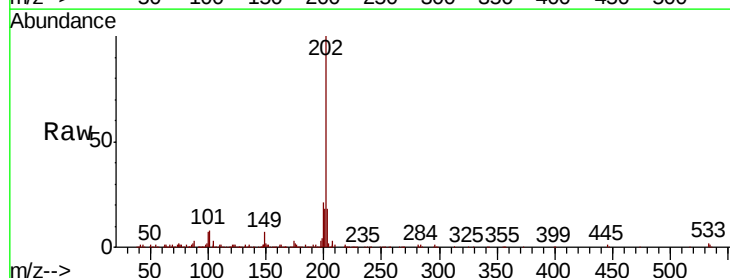
Instrument :
BNA_M
ClientSampleId :

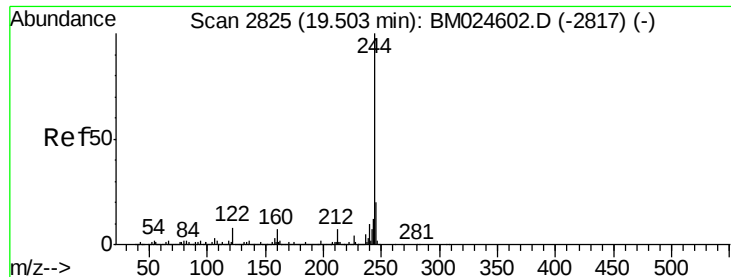
Tot Ion:240 Resp: 1232780
Ion Ratio Lower Upper
240 100
120 7.0 5.3 7.9
236 26.1 20.6 31.0



#78
Pyrene
Concen: 5.715 ng
RT: 19.26 min Scan# 2783
Delta R.T. -0.02 min
Lab File: BM024698.D
Acq: 03 Feb 2020 14:34

Tgt Ion:202 Resp: 464479
Ion Ratio Lower Upper
202 100
200 20.6 16.2 24.2
203 18.3 14.0 21.0





#79

Terphenyl-d14

Concen: 81.815 ng

RT: 19.49 min Scan# 2822

Delta R.T. -0.02 min

Lab File: BM024698.D

Acq: 03 Feb 2020 14:34

Instrument :

BNA_M

ClientSampled :

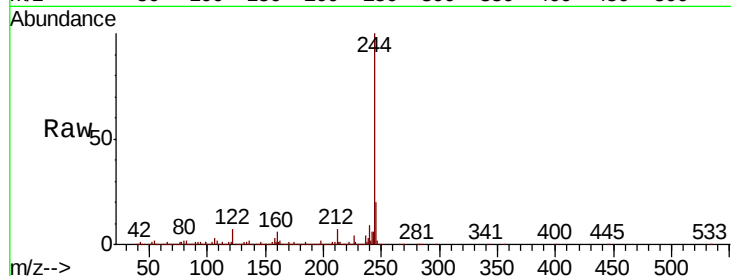
Tot Ion:244 Resp: 5402527

Ion Ratio Lower Upper

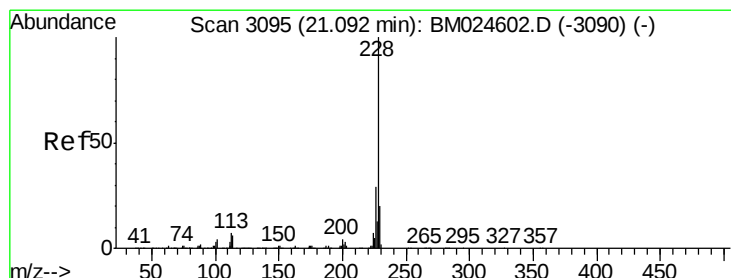
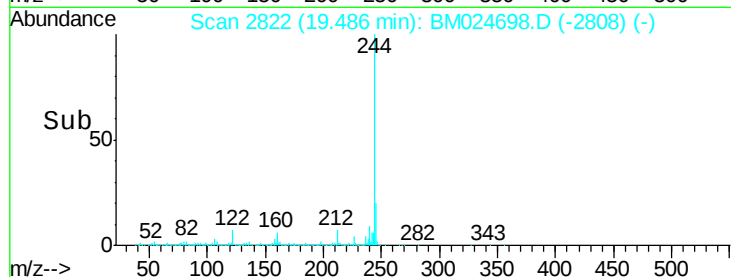
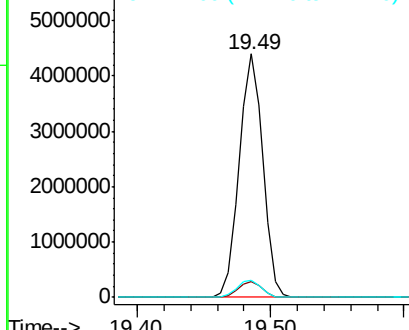
244 100

212 6.5 5.4 8.2

122 7.0 6.2 9.4



Abundance Ion 244.00 (243.70 to 244.70): E
6000000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#83

Chrysene

Concen: 2.227 ng

RT: 21.07 min Scan# 3091

Delta R.T. -0.02 min

Lab File: BM024698.D

Acq: 03 Feb 2020 14:34

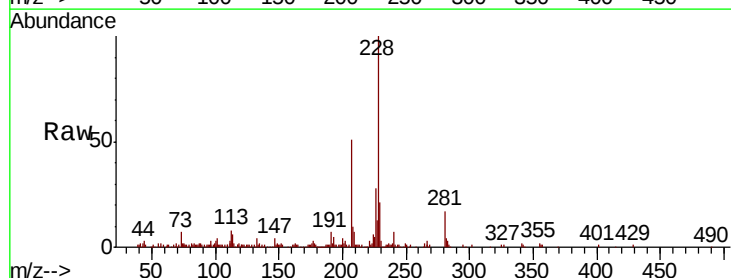
Tgt Ion:228 Resp: 181811

Ion Ratio Lower Upper

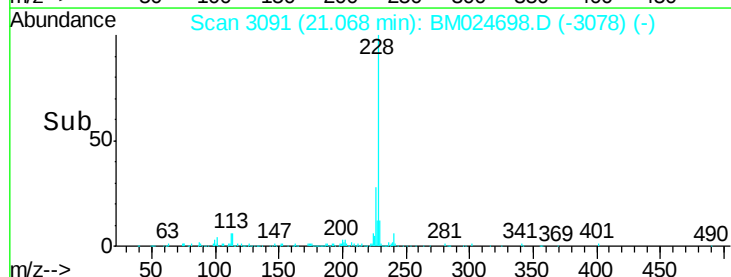
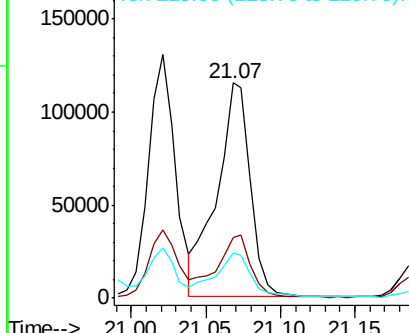
228 100

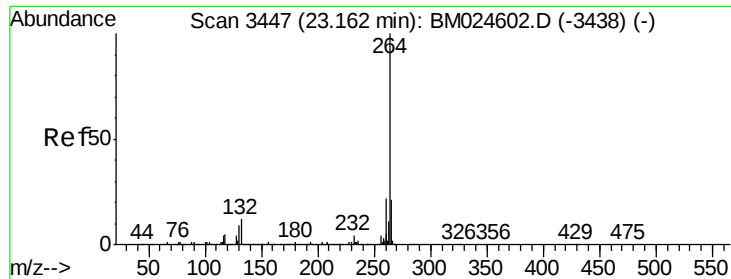
226 28.2 23.2 34.8

229 20.7 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E
150000
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: 23.14 min Scan# 3444

Delta R.T. -0.02 min

Lab File: BM024698.D

Acq: 03 Feb 2020 14:34

Instrument :

BNA_M

ClientSampleId :

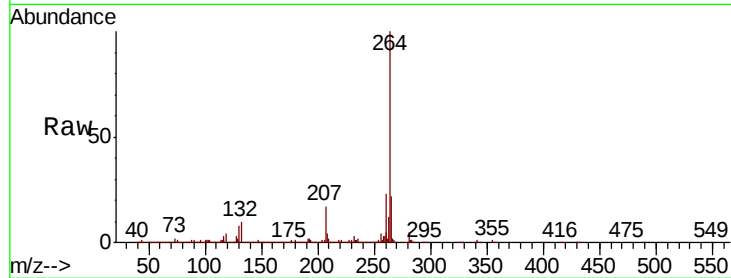
Tot Ion:264 Resp: 1451750

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.9	26.9
265	22.1	17.3	25.9

264 100

260 22.8 17.9 26.9

265 22.1 17.3 25.9

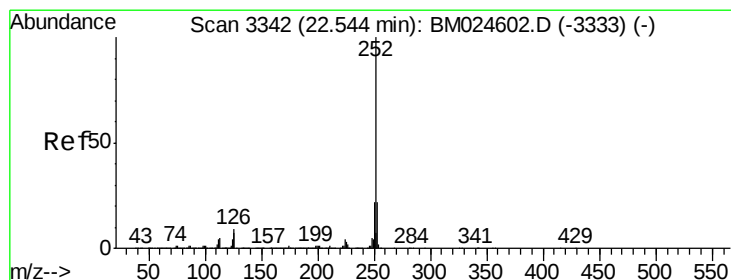
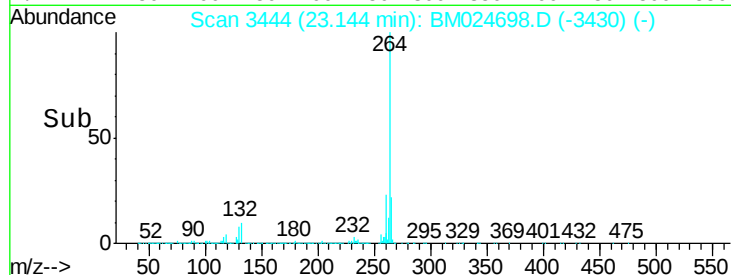
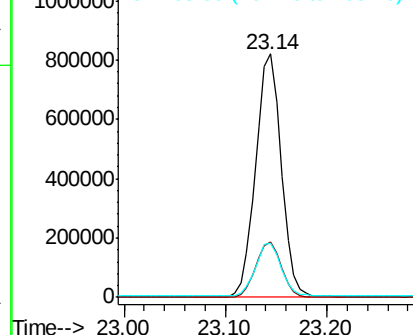


Abundance

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: 3.355 ng

RT: 22.53 min Scan# 3339

Delta R.T. -0.02 min

Lab File: BM024698.D

Acq: 03 Feb 2020 14:34

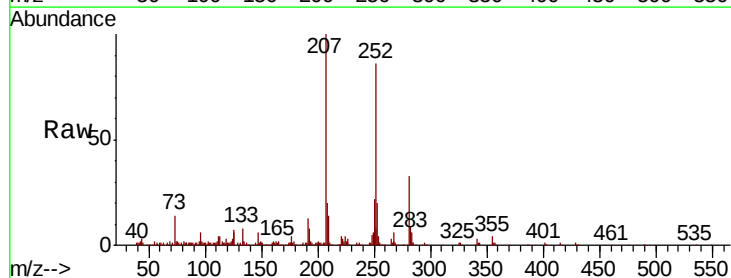
Tgt Ion:252 Resp: 315936

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	7.8	5.7	8.5

252 100

253 23.2 17.6 26.4

125 7.8 5.7 8.5

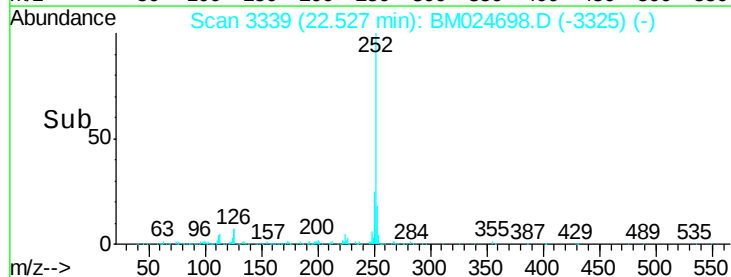
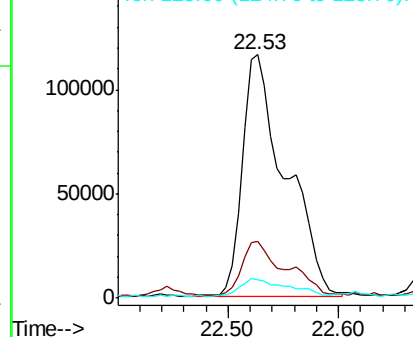


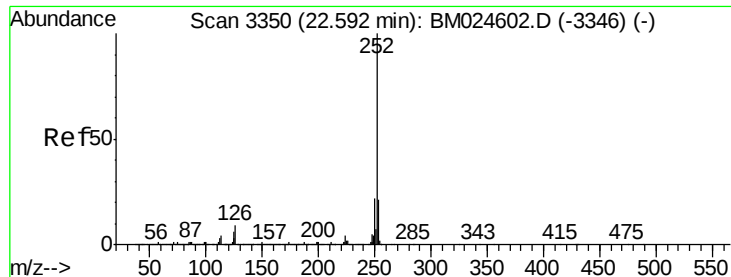
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 3.422 ng

RT: 22.53 min Scan# 3339

Delta R.T. -0.06 min

Lab File: BM024698.D

Acq: 03 Feb 2020 14:34

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 314549

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 7.8 5.2 7.8

