

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020420\
 Data File : BM024710.D
 Acq On : 04 Feb 2020 17:19
 Operator : CG/JU
 Sample : L1351-01DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 05 03:49:33 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

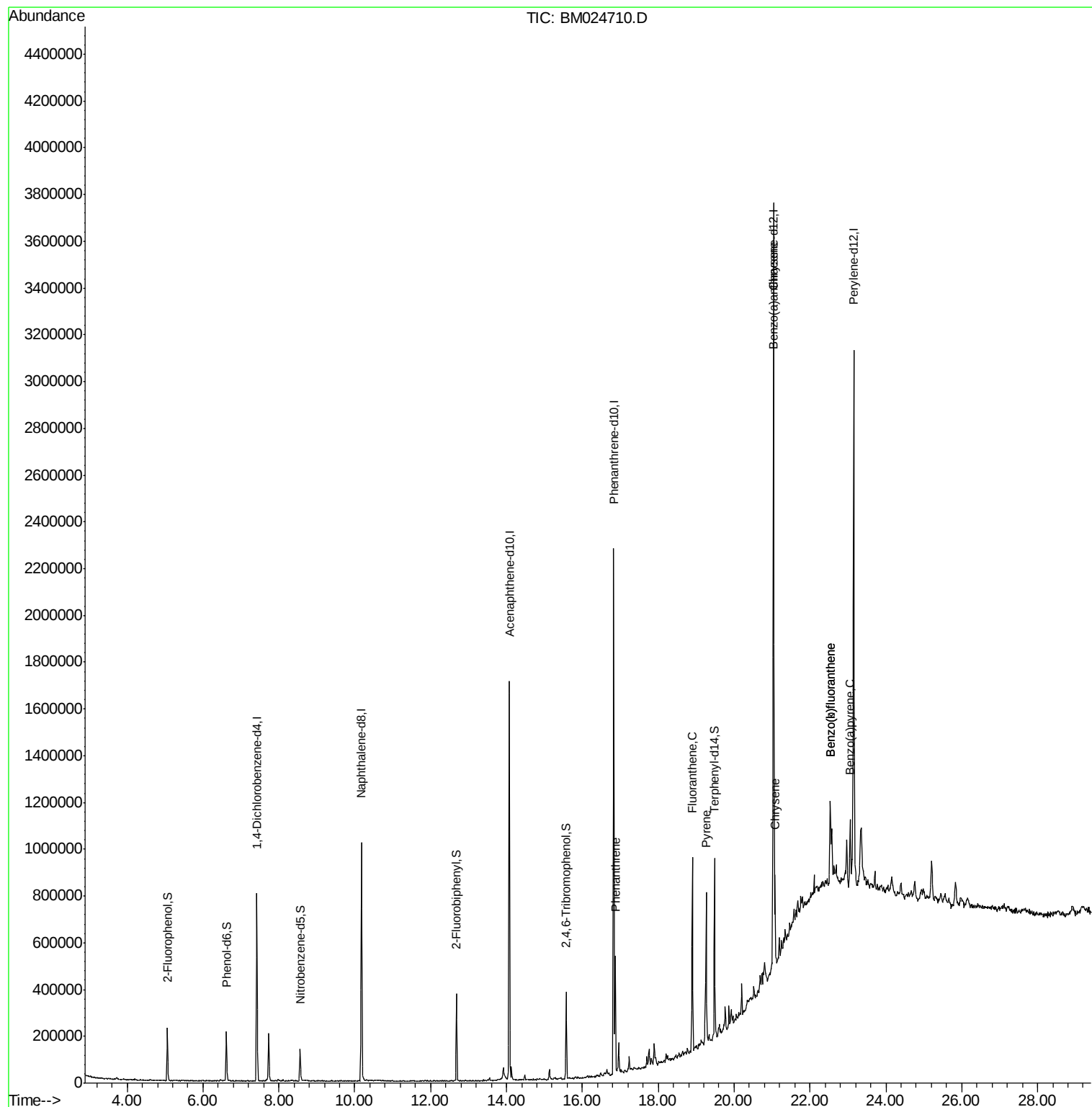
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	232843	20.00	ng	-0.02
21) Naphthalene-d8	10.18	136	873076	20.00	ng	-0.02
39) Acenaphthene-d10	14.07	164	608176	20.00	ng	-0.02
64) Phenanthrene-d10	16.83	188	1384644	20.00	ng	-0.02
76) Chrysene-d12	21.04	240	1442597	20.00	ng	-0.02
87) Perylene-d12	23.15	264	1671442	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	100573	8.21	ng	-0.02
7) Phenol-d6	6.62	99	123569	7.33	ng	-0.03
23) Nitrobenzene-d5	8.56	82	81341	4.57	ng	-0.03
42) 2,4,6-Tribromophenol	15.57	330	77849	7.87	ng	-0.02
45) 2-Fluorobiphenyl	12.69	172	207535	4.64	ng	-0.02
79) Terphenyl-d14	19.49	244	399554	5.17	ng	-0.02
Target Compounds						
71) Phenanthrene	16.87	178	303674	4.050	ng	99
75) Fluoranthene	18.90	202	530654	5.670	ng	99
78) Pyrene	19.26	202	438475	4.611	ng	100
81) Benzo(a)anthracene	21.03	228	252899	2.526	ng	98
83) Chrysene	21.07	228	223374	2.338	ng	96
88) Benzo(b)fluoranthene	22.53	252	309686	2.857	ng	95
89) Benzo(k)fluoranthene	22.53	252	307075	2.902	ng	# 93
90) Benzo(a)pyrene	23.06	252	201084	2.040	ng	96

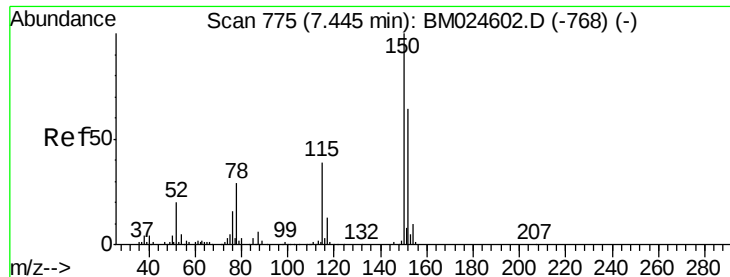
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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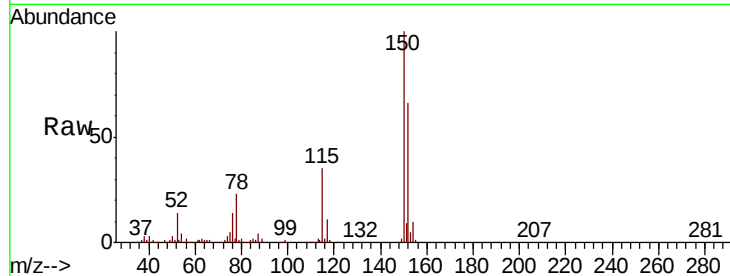


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.42 min Scan# 771
Delta R.T. -0.02 min
Lab File: BM024710.D
Acq: 04 Feb 2020 17:19

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	124.2	186.4
115	52.2	48.6	72.8

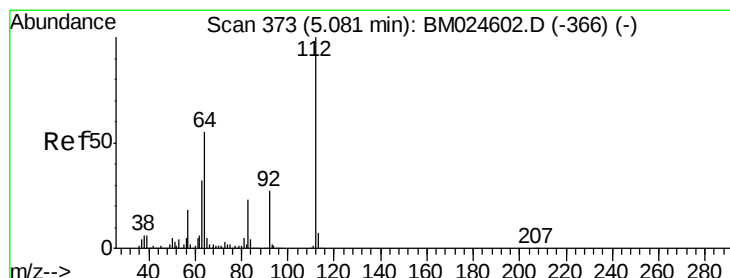
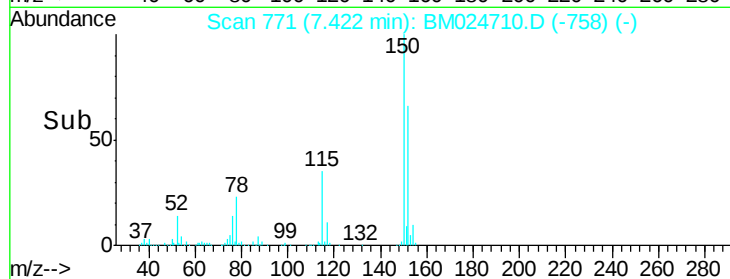
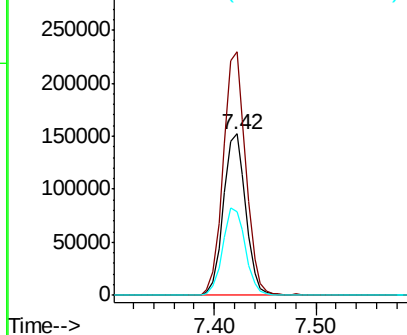


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

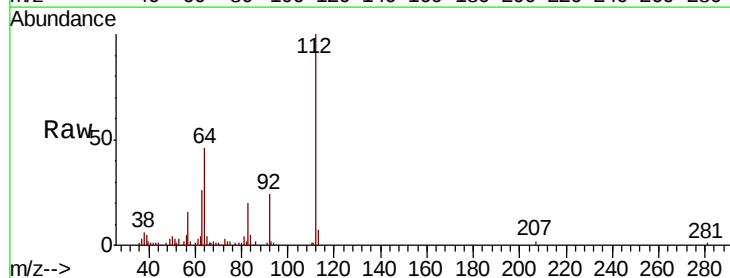
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 8.214 ng
RT: 5.06 min Scan# 370
Delta R.T. -0.02 min
Lab File: BM024710.D
Acq: 04 Feb 2020 17:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.3	44.2	66.4
63	25.7	25.9	38.9#

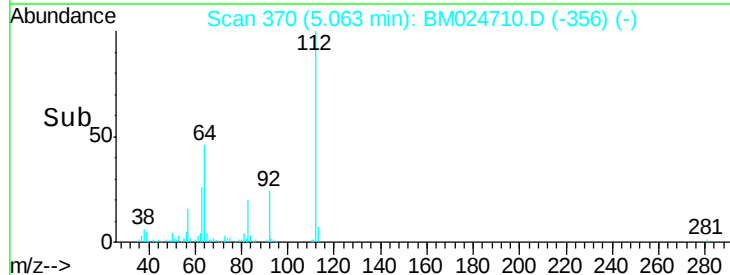
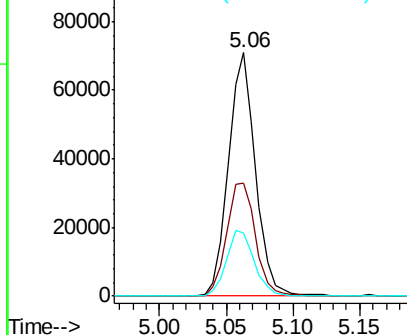


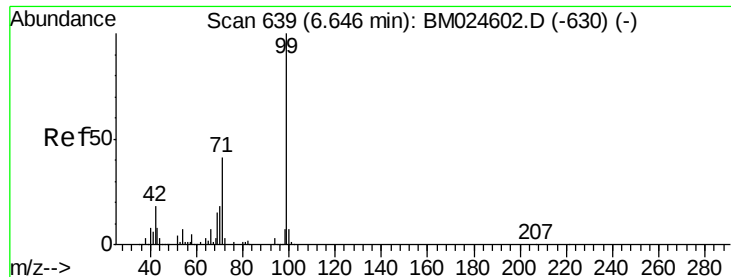
Abundance

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: 7.326 ng

RT: 6.62 min Scan# 634

Delta R.T. -0.03 min

Lab File: BM024710.D

Acq: 04 Feb 2020 17:19

Instrument :

BNA_M

ClientSampled :

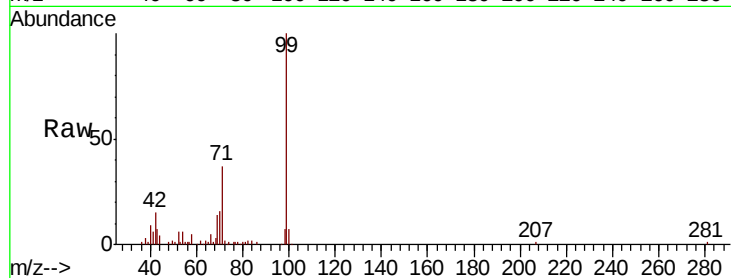
Tot Ion: 99 Resp: 123569

Ion Ratio Lower Upper

99 100

42 15.0 14.1 21.1

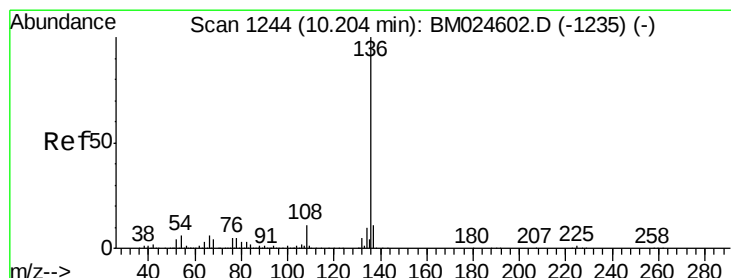
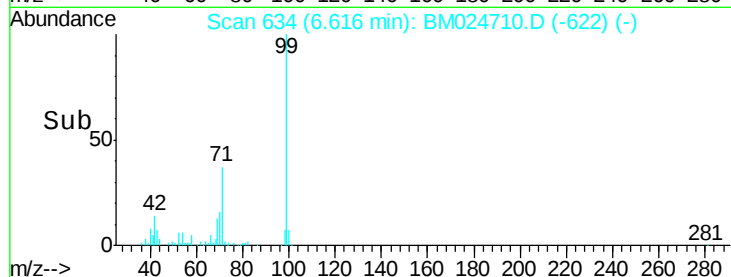
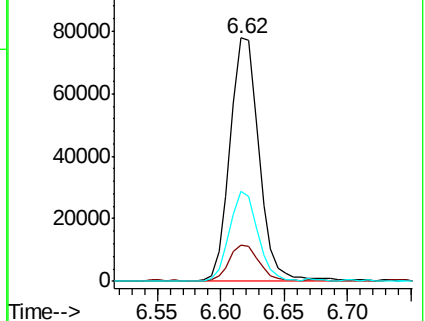
71 37.2 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BM024710.D (-622) (-)

Ion 42.00 (41.70 to 42.70): BM024710.D (-622) (-)

Ion 71.00 (70.70 to 71.70): BM024710.D (-622) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BM024710.D

Acq: 04 Feb 2020 17:19

Tgt Ion: 136 Resp: 873076

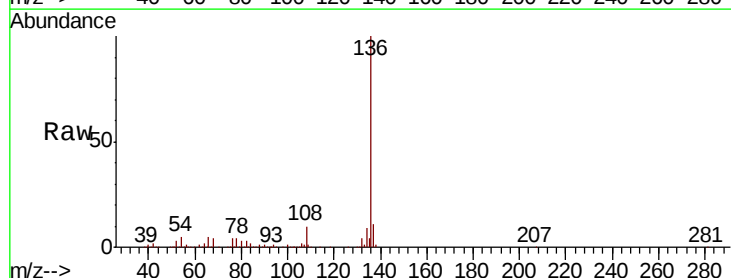
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 4.6 4.5 6.7

68 4.5 3.4 5.0

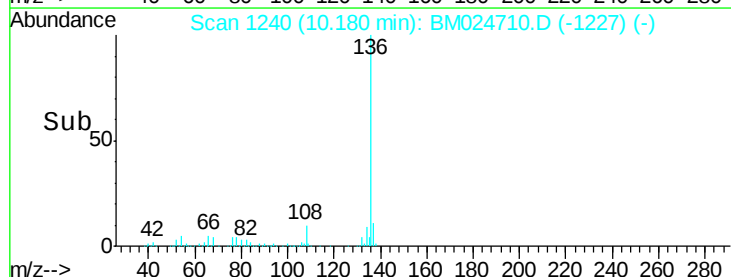
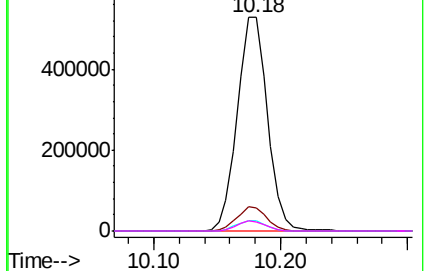


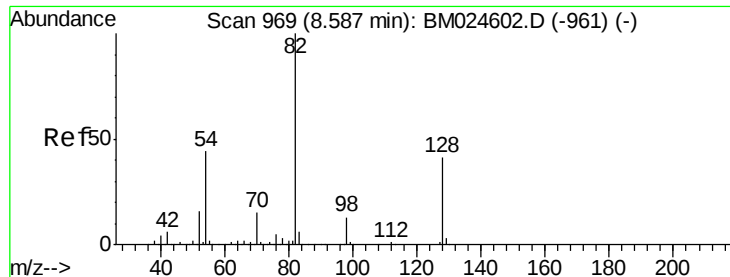
Abundance Ion 136.00 (135.70 to 136.70): BM024710.D (-1227) (-)

Ion 137.00 (136.70 to 137.70): BM024710.D (-1227) (-)

Ion 54.00 (53.70 to 54.70): BM024710.D (-1227) (-)

Ion 68.00 (67.70 to 68.70): BM024710.D (-1227) (-)

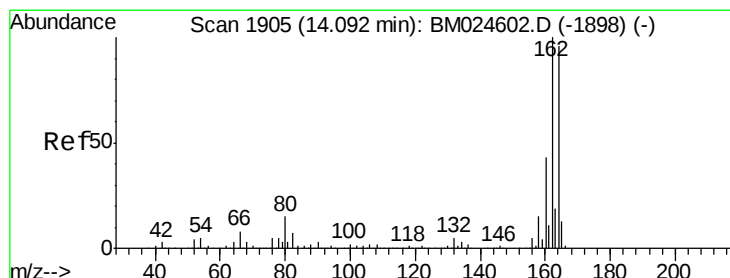
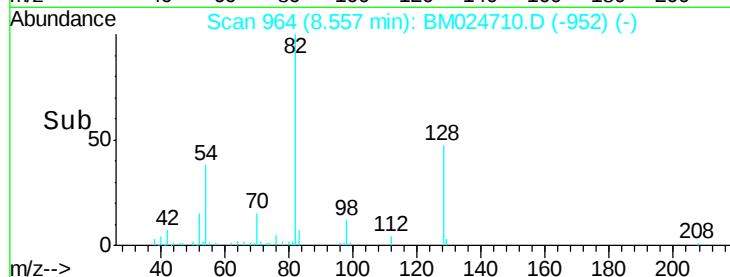
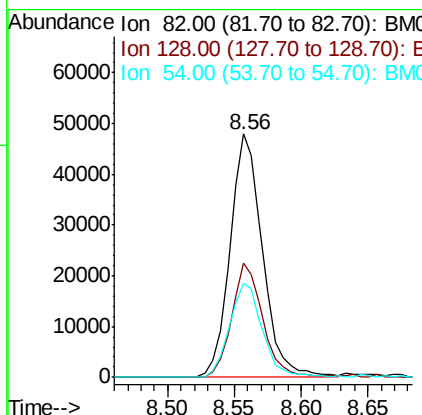
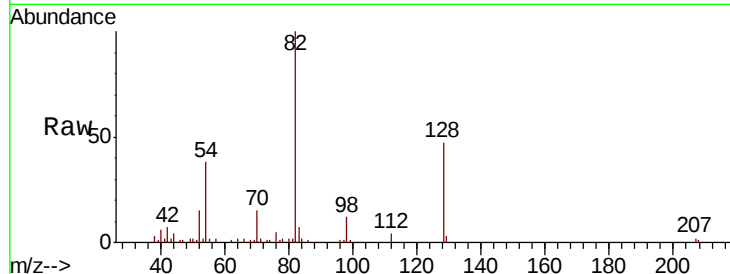




#23
Nitrobenzene-d5
Concen: 4.569 ng
RT: 8.56 min Scan# 964
Delta R.T. -0.03 min
Lab File: BM024710.D
Acq: 04 Feb 2020 17:19

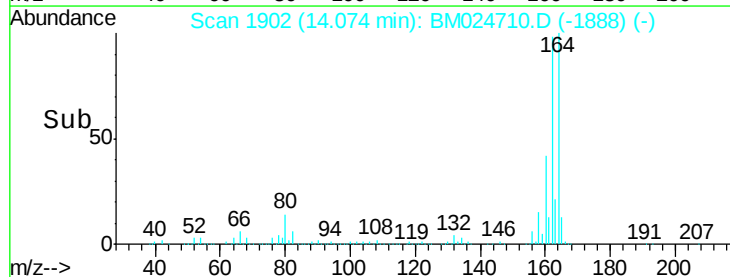
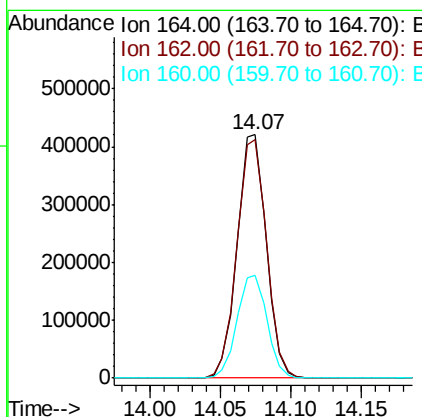
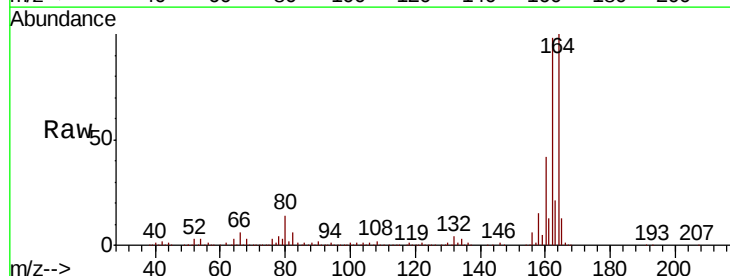
Instrument :
BNA_M
ClientSampleId :

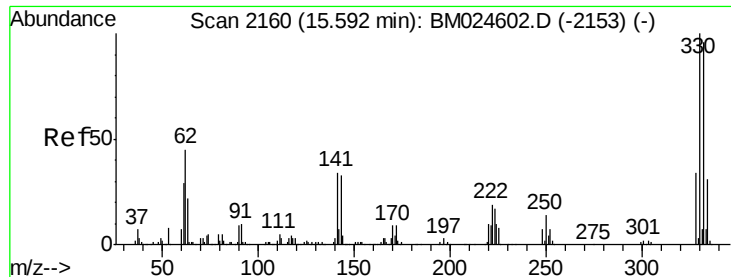
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	32.6	48.8
54	38.4	34.8	52.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.07 min Scan# 1902
Delta R.T. -0.02 min
Lab File: BM024710.D
Acq: 04 Feb 2020 17:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.7	82.9	124.3
160	42.1	35.5	53.3

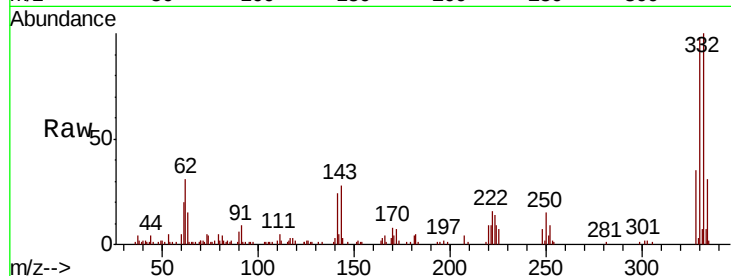




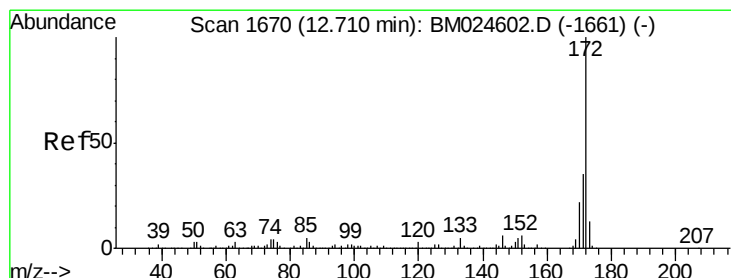
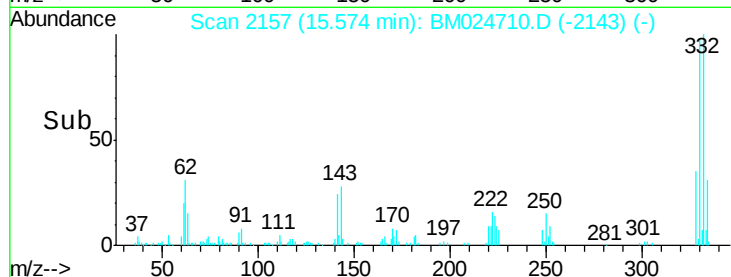
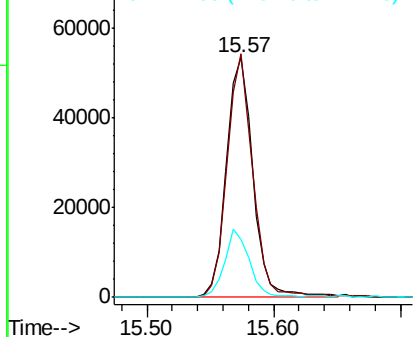
#42
 2,4,6-Tribromophenol
 Concen: 7.869 ng
 RT: 15.57 min Scan# 2157
 Delta R.T. -0.02 min
 Lab File: BM024710.D
 Acq: 04 Feb 2020 17:19

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.2	115.8
141	26.3	26.9	40.3

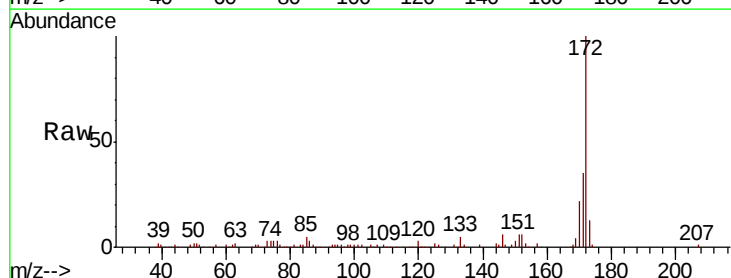


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

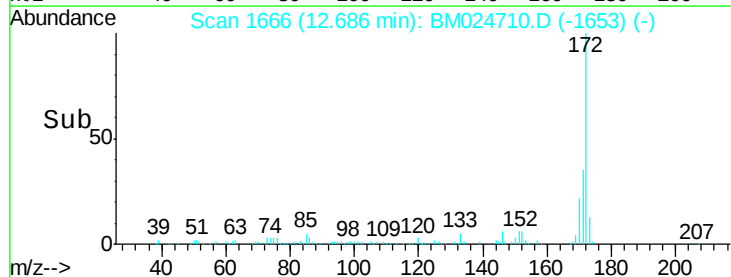
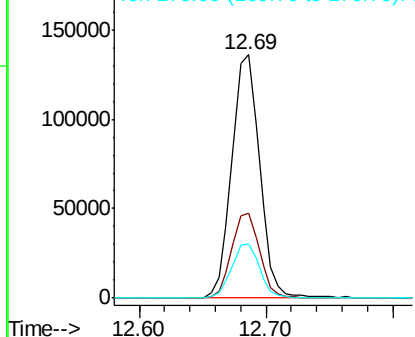


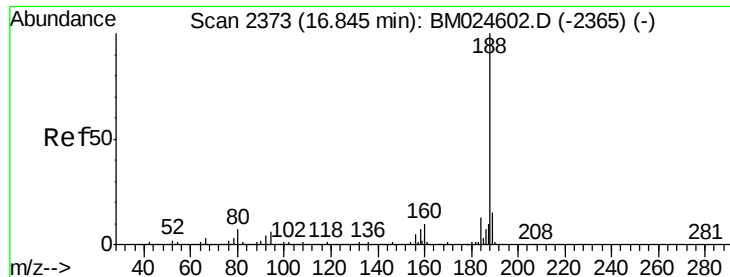
#45
 2-Fluorobiphenyl
 Concen: 4.639 ng
 RT: 12.69 min Scan# 1666
 Delta R.T. -0.02 min
 Lab File: BM024710.D
 Acq: 04 Feb 2020 17:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.3	42.5
170	22.0	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

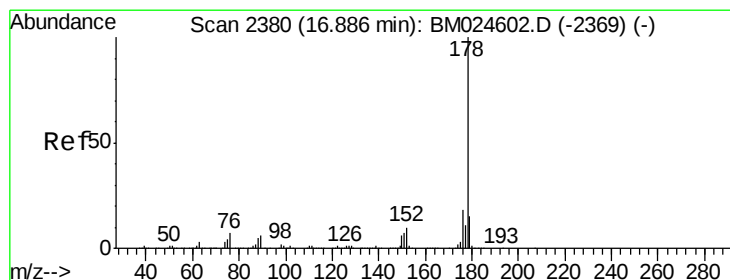
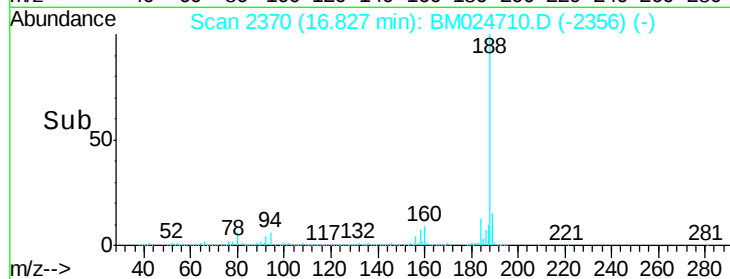
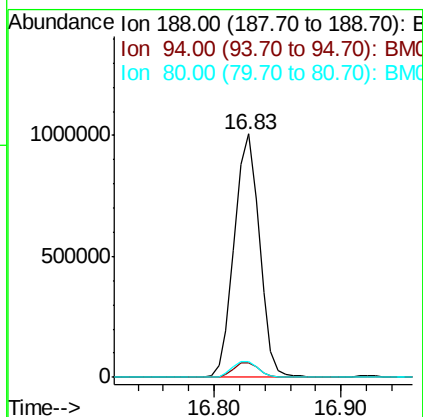
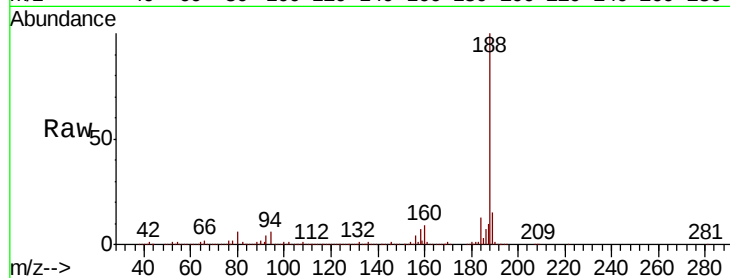




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.83 min Scan# 2370
Delta R.T. -0.02 min
Lab File: BM024710.D
Acq: 04 Feb 2020 17:19

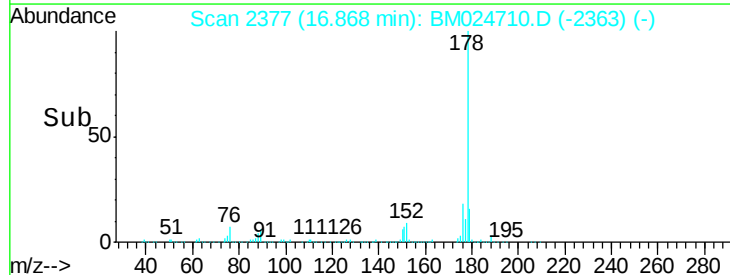
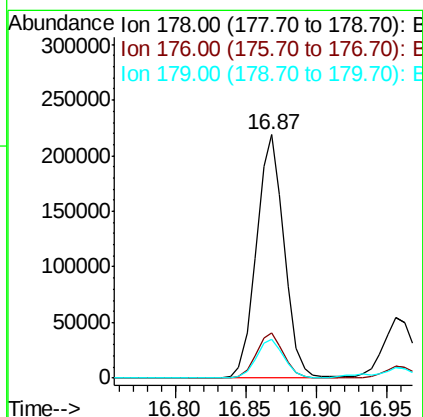
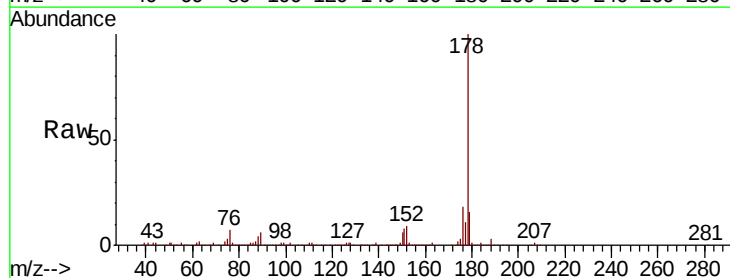
Instrument :
BNA_M
ClientSampleId :

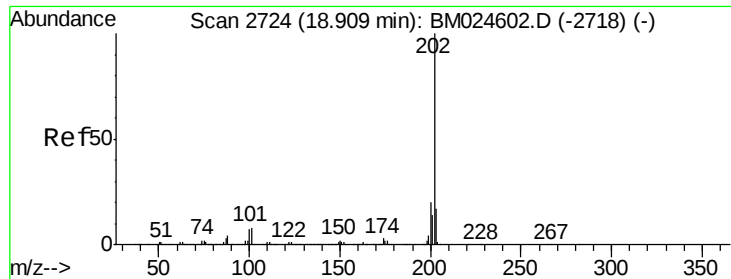
Tot Ion:188 Resp: 1384644
Ion Ratio Lower Upper
188 100
94 6.0 5.0 7.6
80 6.5 5.8 8.8



#71
Phenanthrene
Concen: 4.050 ng
RT: 16.87 min Scan# 2377
Delta R.T. -0.02 min
Lab File: BM024710.D
Acq: 04 Feb 2020 17:19

Tgt Ion:178 Resp: 303674
Ion Ratio Lower Upper
178 100
176 18.4 14.5 21.7
179 15.7 11.9 17.9





#75

Fluoranthene

Concen: 5.670 ng

RT: 18.90 min Scan# 2722

Delta R.T. -0.01 min

Lab File: BM024710.D

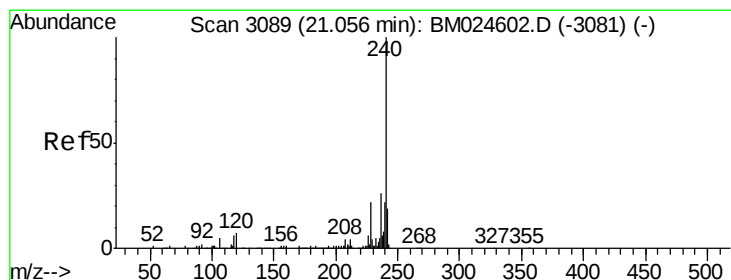
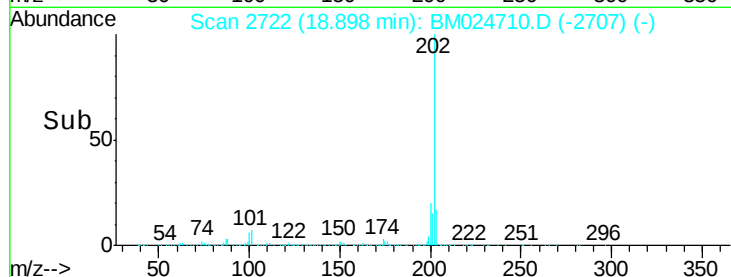
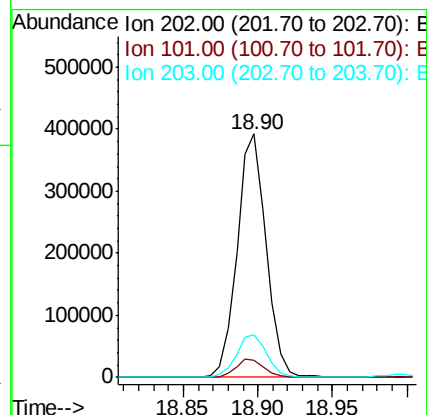
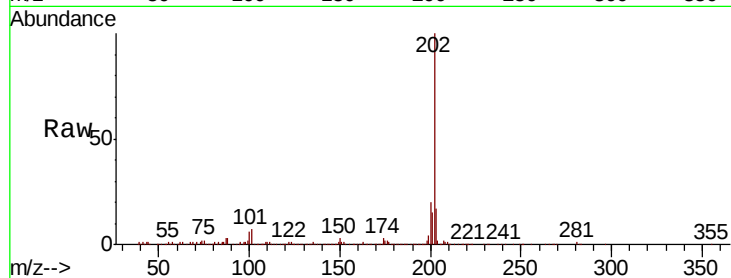
Acq: 04 Feb 2020 17:19

Instrument :

BNA_M

ClientSampled :

Tot Ion:	202	Resp:	530654
Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	28.4
203	17.3	0.0	37.5



#76

Chrysene-d12

Concen: 20.000 ng

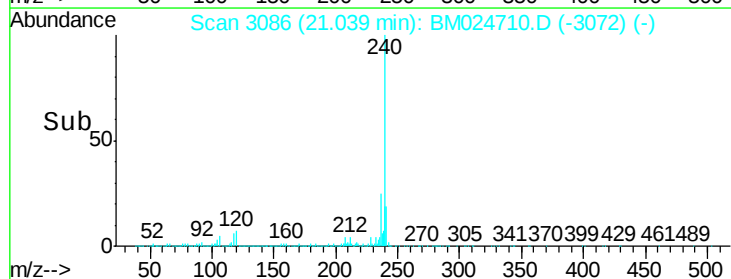
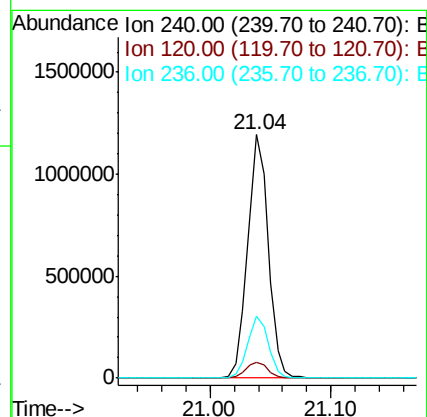
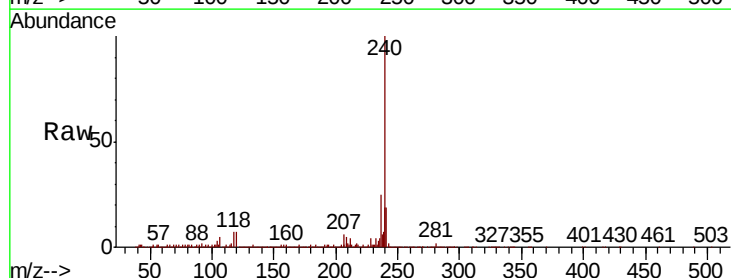
RT: 21.04 min Scan# 3086

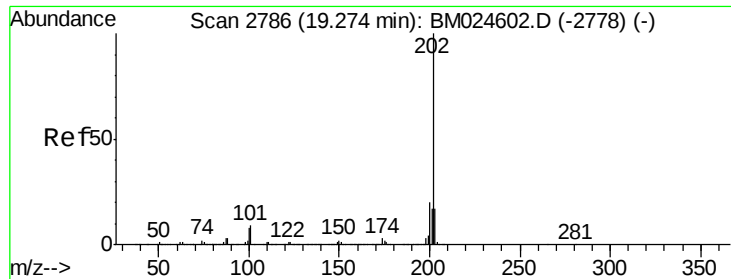
Delta R.T. -0.02 min

Lab File: BM024710.D

Acq: 04 Feb 2020 17:19

Tgt Ion:	240	Resp:	1442597
Ion	Ratio	Lower	Upper
240	100		
120	6.7	5.3	7.9
236	25.4	20.6	31.0

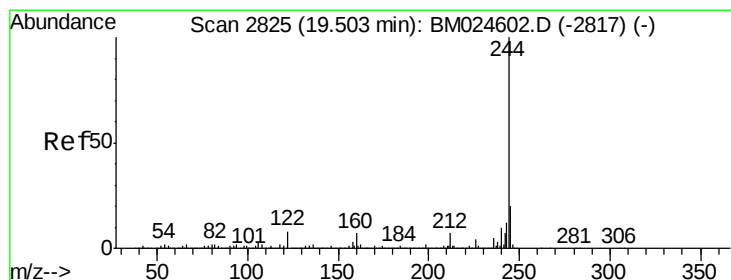
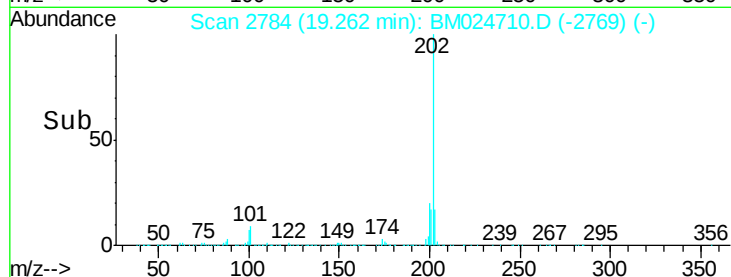
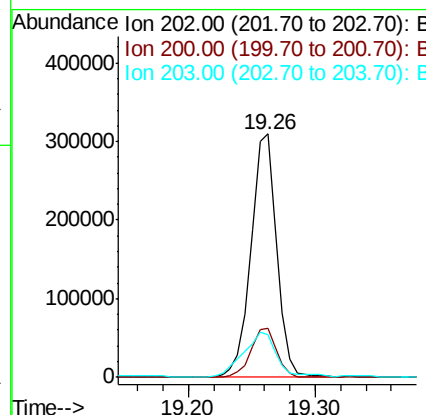
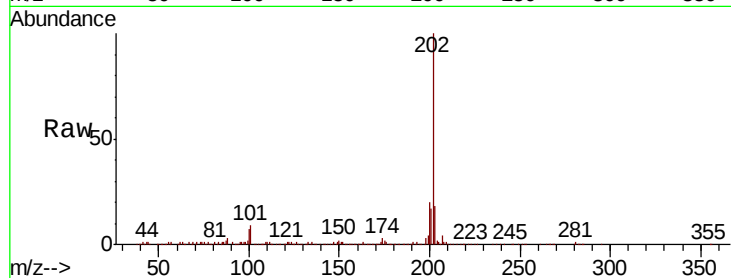




#78
Pvrene
Concen: 4.611 ng
RT: 19.26 min Scan# 2784
Delta R.T. -0.01 min
Lab File: BM024710.D
Acq: 04 Feb 2020 17:19

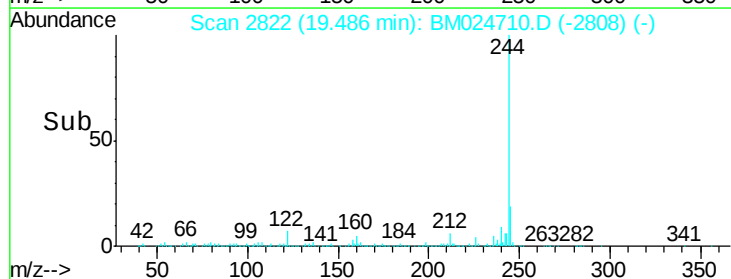
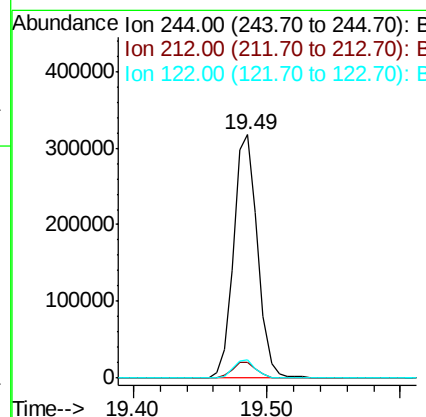
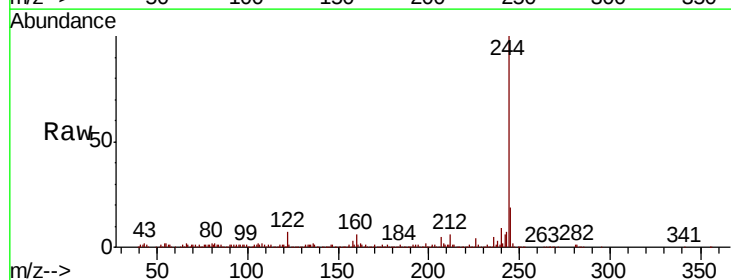
Instrument :
BNA_M
ClientSampleId :

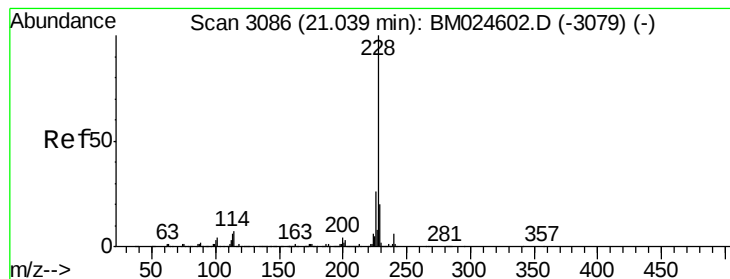
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.2
203	17.7	14.0	21.0



#79
Terphenyl-d14
Concen: 5.171 ng
RT: 19.49 min Scan# 2822
Delta R.T. -0.02 min
Lab File: BM024710.D
Acq: 04 Feb 2020 17:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	7.3	6.2	9.4





#81

Benzo(a)anthracene

Concen: 2.526 ng

RT: 21.03 min Scan# 3084

Delta R.T. -0.01 min

Lab File: BM024710.D

Acq: 04 Feb 2020 17:19

Instrument :

BNA_M

ClientSampleId :

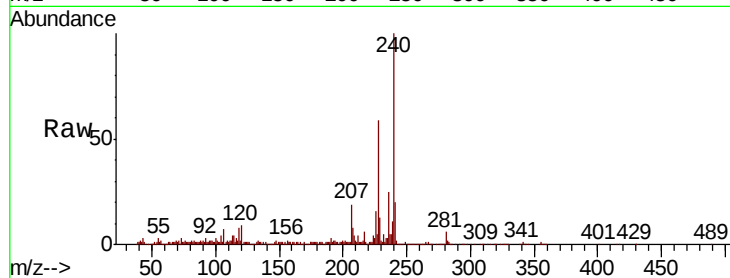
Tot Ion:228 Resp: 252899

Ion Ratio Lower Upper

228 100

226 26.4 21.1 31.7

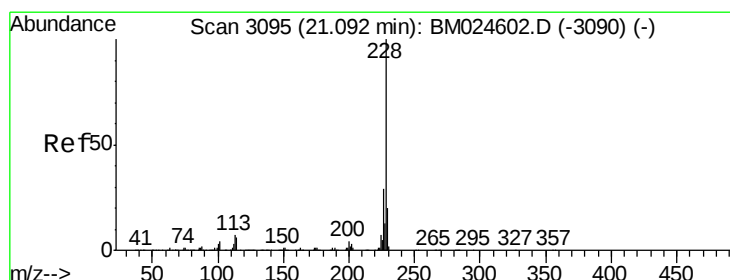
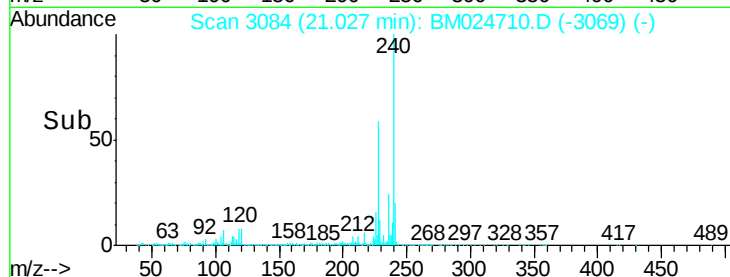
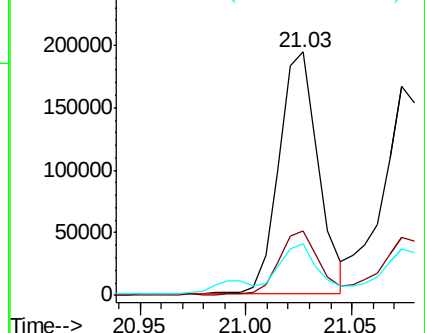
229 21.4 15.8 23.6



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: 2.338 ng

RT: 21.07 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM024710.D

Acq: 04 Feb 2020 17:19

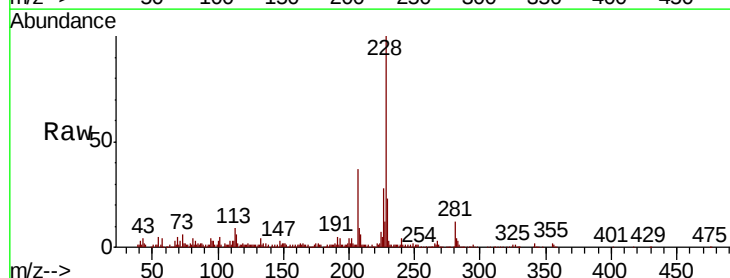
Tgt Ion:228 Resp: 223374

Ion Ratio Lower Upper

228 100

226 27.7 23.2 34.8

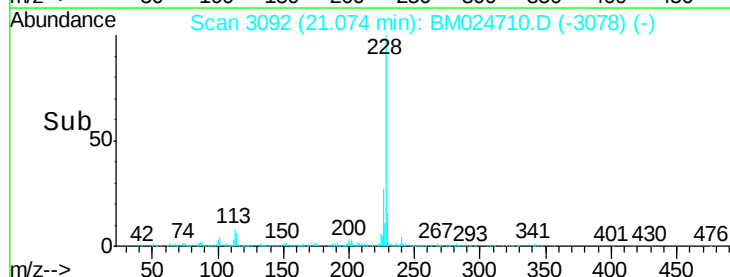
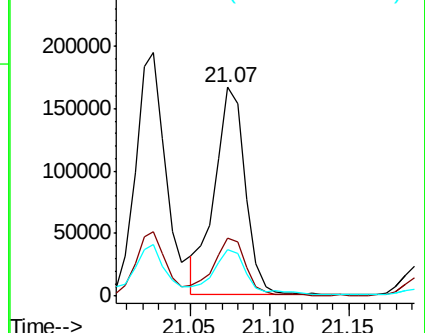
229 22.5 15.7 23.5

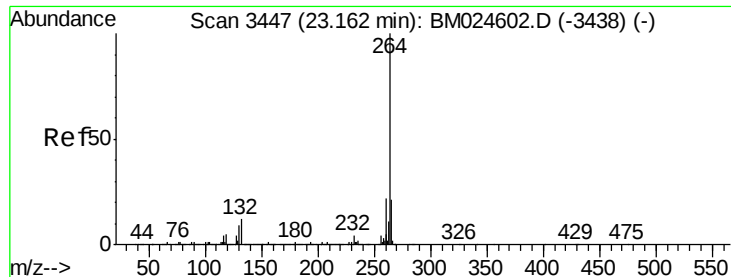


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



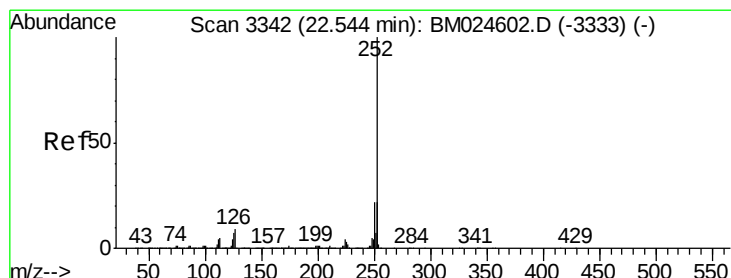
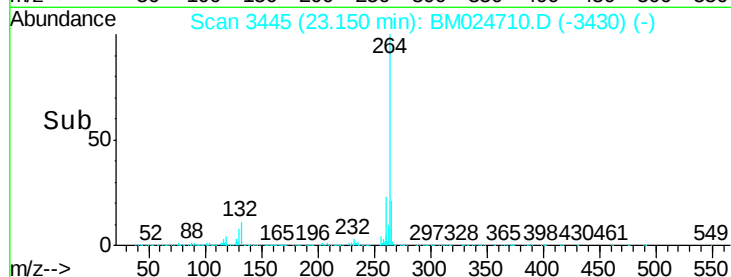
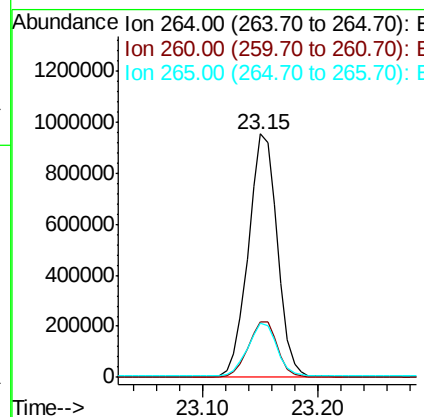
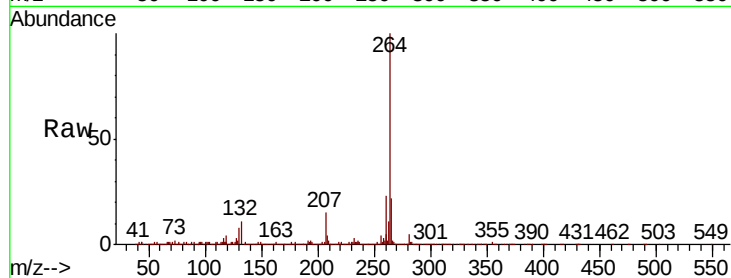


#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.15 min Scan# 3445
Delta R.T. -0.01 min
Lab File: BM024710.D
Acq: 04 Feb 2020 17:19

Instrument :
BNA_M
ClientSampleId :

Tot Ion:264 Resp: 1671442

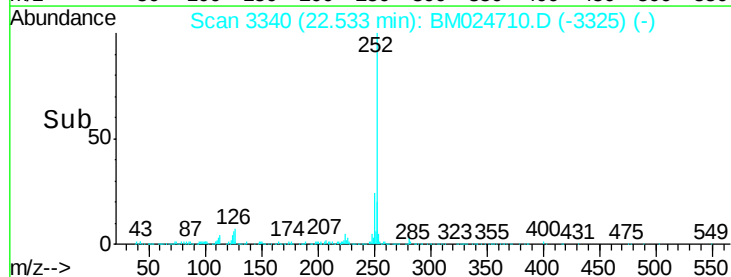
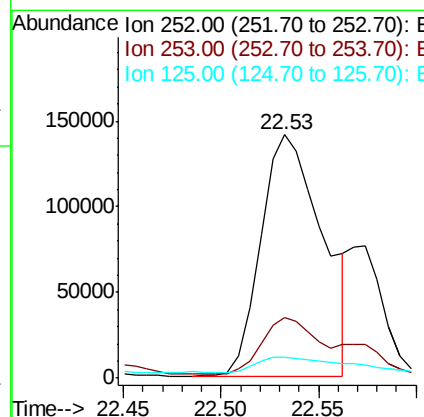
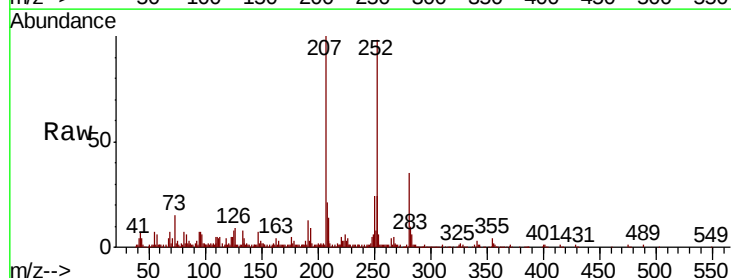
Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.9	26.9
265	22.0	17.3	25.9

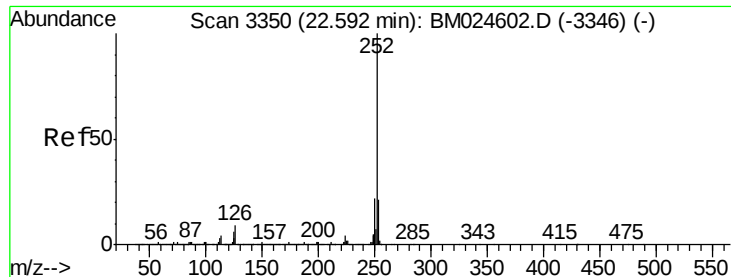


#88
Benzo(b)fluoranthene
Concen: 2.857 ng
RT: 22.53 min Scan# 3340
Delta R.T. -0.01 min
Lab File: BM024710.D
Acq: 04 Feb 2020 17:19

Tgt Ion:252 Resp: 309686

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.6	26.4
125	8.5	5.7	8.5





#89

Benzo(k)fluoranthene

Concen: 2.902 ng

RT: 22.53 min Scan# 3340

Delta R.T. -0.06 min

Lab File: BM024710.D

Acq: 04 Feb 2020 17:19

Instrument :

BNA_M

ClientSampleId :

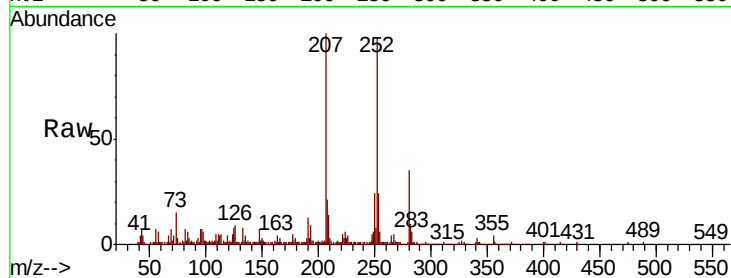
Tot Ion:252 Resp: 307075

Ion Ratio Lower Upper

252 100

253 24.8 17.3 25.9

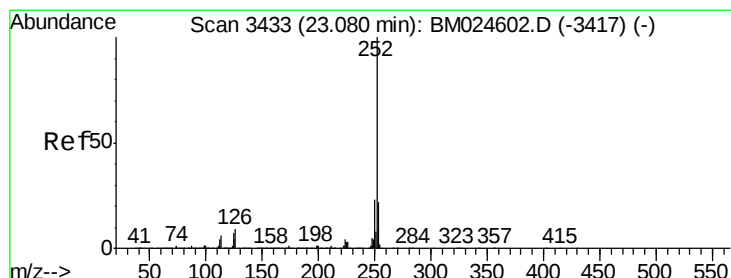
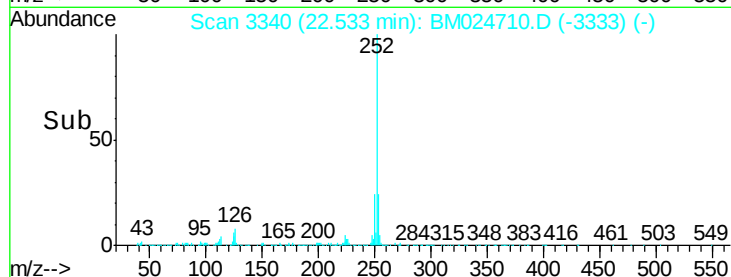
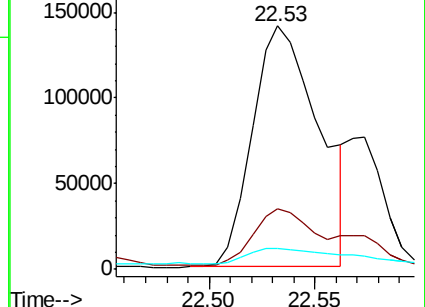
125 8.5 5.2 7.8#



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



#90

Benzo(a)pyrene

Concen: 2.040 ng

RT: 23.06 min Scan# 3429

Delta R.T. -0.02 min

Lab File: BM024710.D

Acq: 04 Feb 2020 17:19

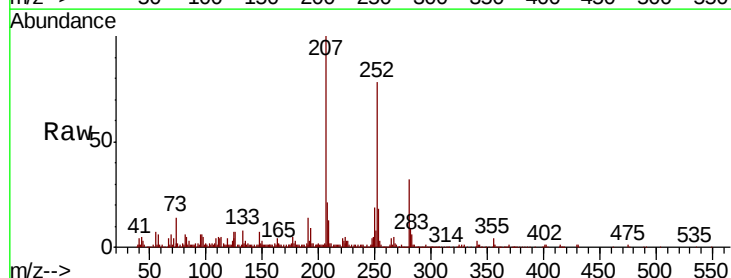
Tgt Ion:252 Resp: 201084

Ion Ratio Lower Upper

252 100

253 23.6 17.3 25.9

125 8.4 5.8 8.8



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

