

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072320\
 Data File : BM026856.D
 Acq On : 23 Jul 2020 18:08
 Operator : JU/CG
 Sample : L3381-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 24 01:36:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 22 14:16:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	84310	20.00	ng	-0.02
21) Naphthalene-d8	10.04	136	334403	20.00	ng	-0.01
39) Acenaphthene-d10	13.95	164	193212	20.00	ng	-0.01
64) Phenanthrene-d10	16.71	188	396709	20.00	ng	-0.01
76) Chrysene-d12	20.94	240	429271	20.00	ng	0.00
86) Perylene-d12	23.01	264	447390	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.93	112	408365	81.18	ng	-0.02
7) Phenol-d6	6.50	99	548301	68.42	ng	-0.02
23) Nitrobenzene-d5	8.43	82	372127	47.48	ng	-0.02
42) 2,4,6-Tribromophenol	15.46	330	189261	67.24	ng	-0.01
45) 2-Fluorobiphenyl	12.55	172	703234	48.39	ng	-0.01
79) Terphenyl-d14	19.38	244	991865	45.47	ng	0.00

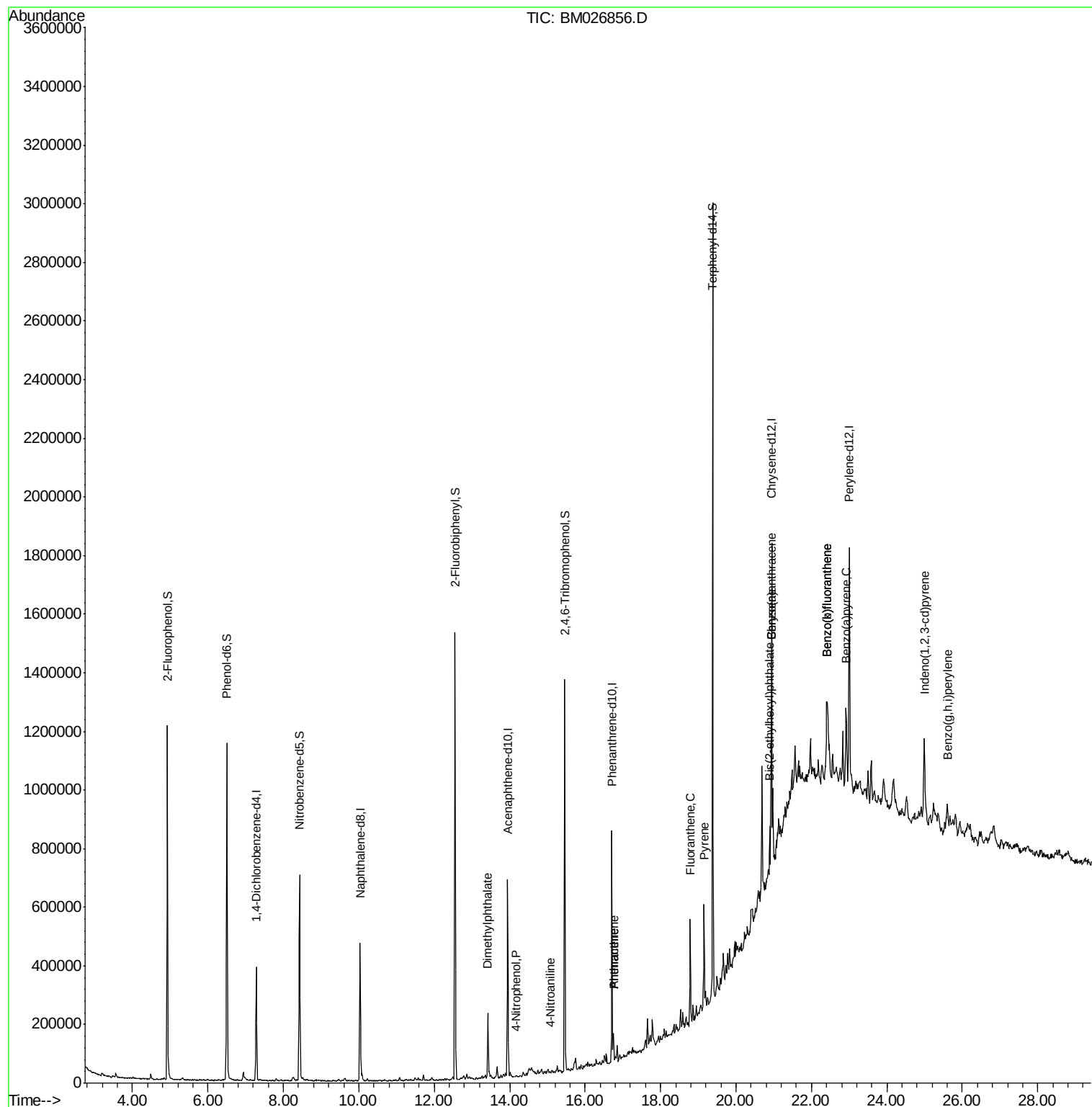
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.42	163	119734	7.245	ng	99
56) 4-Nitrophenol	14.16	139	144	3.955	ng	88
62) 4-Nitroaniline	15.06	138	110	3.165	ng	# 68
71) Phenanthrene	16.75	178	47961	2.048	ng	98
72) Anthracene	16.75	178	47961	2.057	ng	98
75) Fluoranthene	18.79	202	187434	6.498	ng	98
78) Pyrene	19.15	202	202855	7.502	ng	99
81) Benzo(a)anthracene	20.92	228	124130	4.305	ng	91
83) Chrysene	20.92	228	124130	4.423	ng	95
84) Bis(2-ethylhexyl)phthalate	20.89	149	50507	2.598	ng	# 98
87) Indeno(1,2,3-cd)pyrene	24.99	276	92222	2.896	ng	96
88) Benzo(b)fluoranthene	22.41	252	238384	8.087	ng	# 90
89) Benzo(k)fluoranthene	22.41	252	238384	8.244	ng	# 91
90) Benzo(a)pyrene	22.92	252	143250	5.235	ng	# 90
92) Benzo(a,h,i)perylene	25.59	276	95098	3.839	ng	99

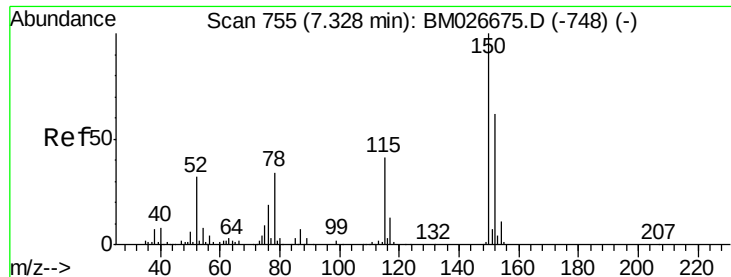
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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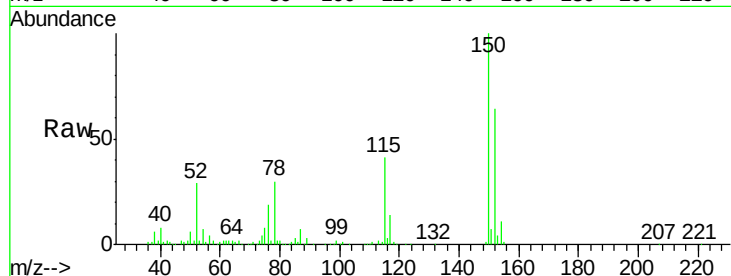


#1

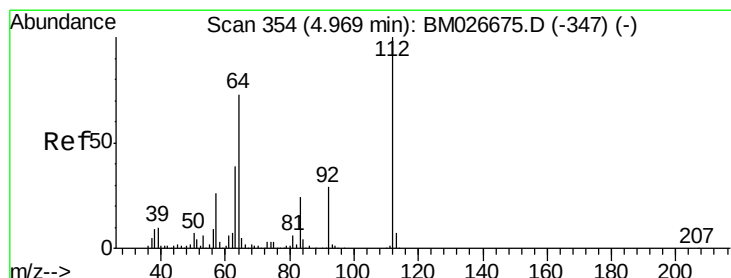
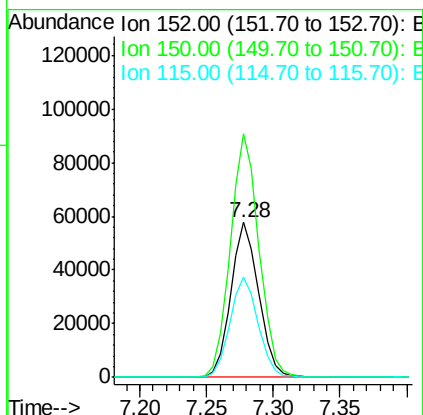
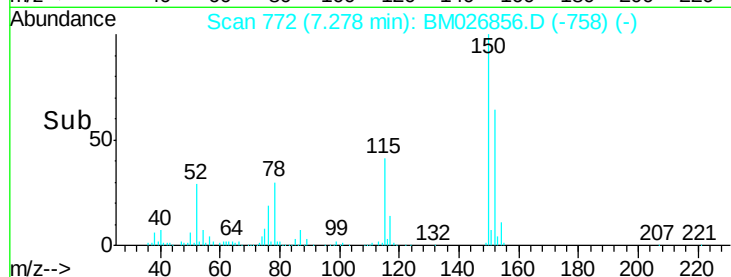
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.28 min Scan# 772
Delta R.T. -0.02 min
Lab File: BM026856.D
Acq: 23 Jul 2020 18:08

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 84310
Ion Ratio Lower Upper
152 100
150 157.1 128.1 192.1
115 64.6 52.2 78.4



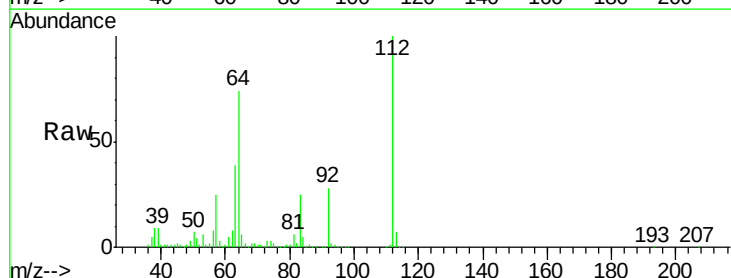
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



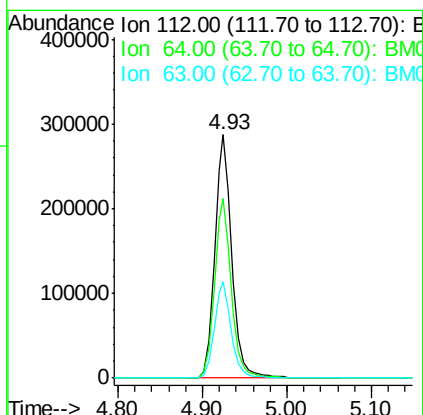
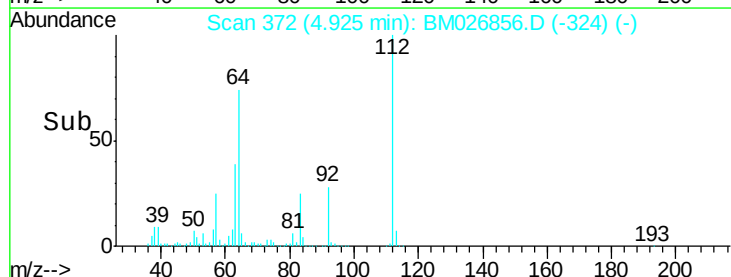
#5

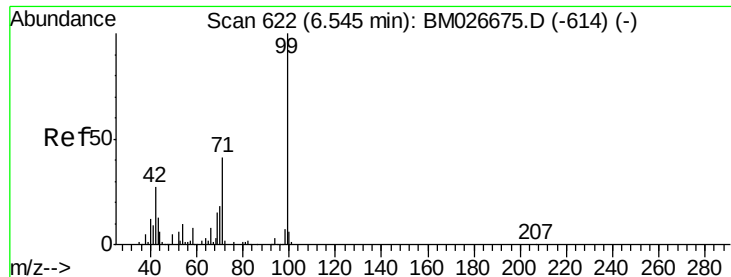
2-Fluorophenol
Concen: 81.183 ng
RT: 4.93 min Scan# 372
Delta R.T. -0.02 min
Lab File: BM026856.D
Acq: 23 Jul 2020 18:08

Tgt Ion:112 Resp: 408365
Ion Ratio Lower Upper
112 100
64 73.8 58.4 87.6
63 39.4 31.5 47.3



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: 68.415 ng

RT: 6.50 min Scan# 639

Delta R.T. -0.02 min

Lab File: BM026856.D

Acq: 23 Jul 2020 18:08

Instrument :

BNA_M

ClientSampleId :

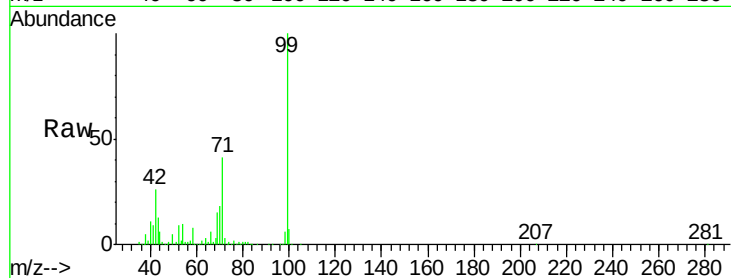
Tot Ion: 99 Resp: 548301

Ion Ratio Lower Upper

99 100

42 26.0 21.7 32.5

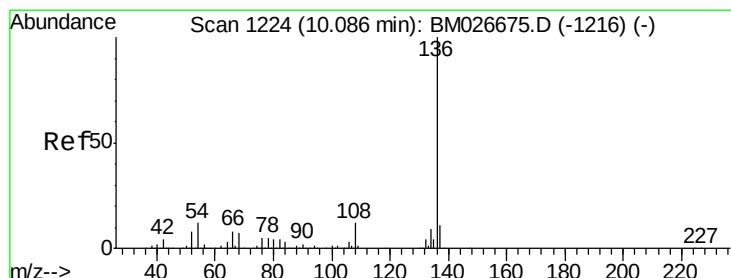
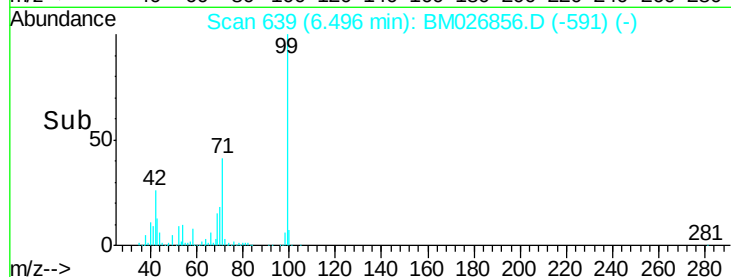
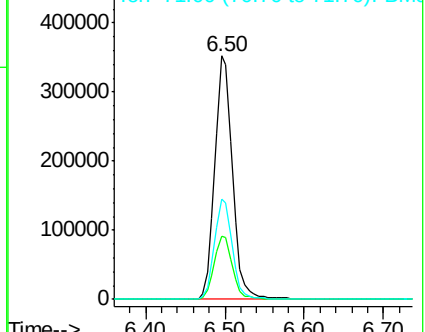
71 41.2 33.2 49.8



Abundance Ion 99.00 (98.70 to 99.70): BM026675.D (-614) (-)

Ion 42.00 (41.70 to 42.70): BM026675.D (-614) (-)

Ion 71.00 (70.70 to 71.70): BM026675.D (-614) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.04 min Scan# 1241

Delta R.T. -0.01 min

Lab File: BM026856.D

Acq: 23 Jul 2020 18:08

Tgt Ion: 136 Resp: 334403

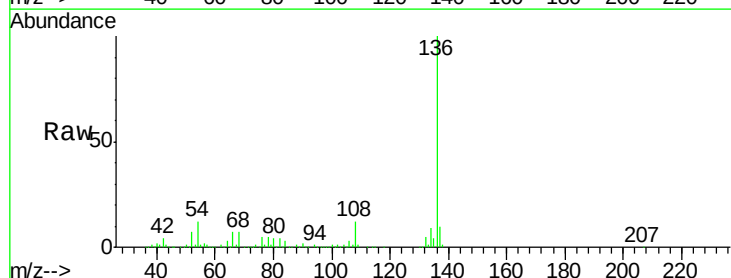
Ion Ratio Lower Upper

136 100

137 10.2 8.6 12.8

54 11.9 9.8 14.6

68 6.9 5.8 8.6

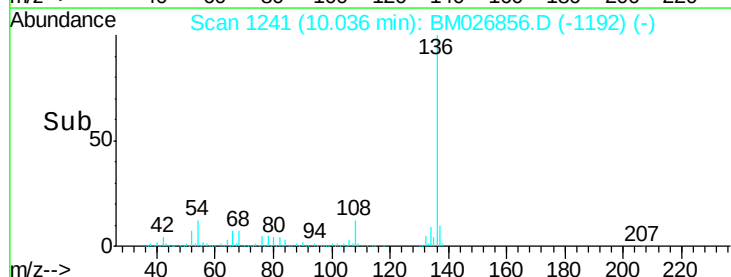
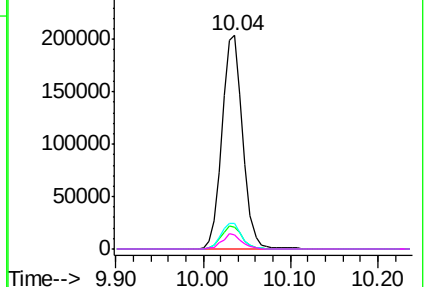


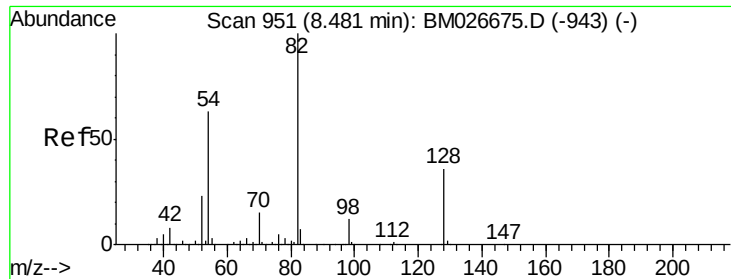
Abundance Ion 136.00 (135.70 to 136.70): BM026675.D (-1216) (-)

Ion 137.00 (136.70 to 137.70): BM026675.D (-1216) (-)

Ion 54.00 (53.70 to 54.70): BM026675.D (-1216) (-)

Ion 68.00 (67.70 to 68.70): BM026675.D (-1216) (-)

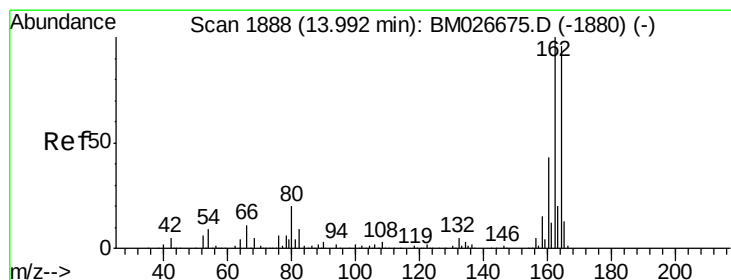
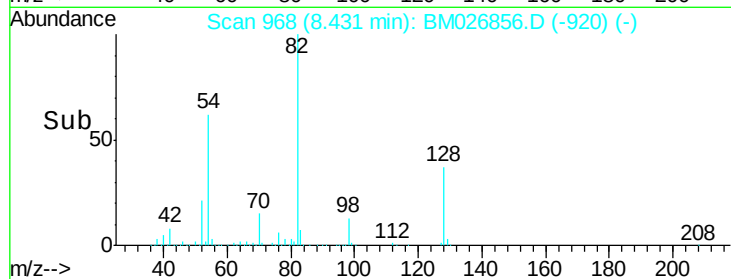
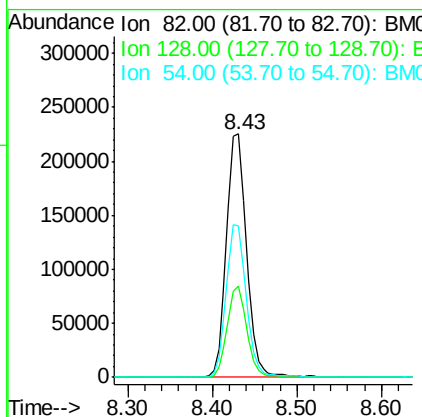
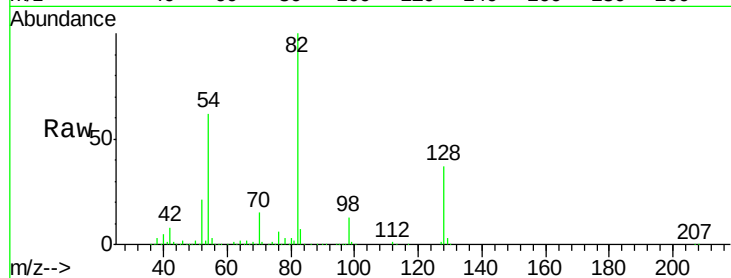




#23
 Nitrobenzene-d5
 Concen: 47.476 ng
 RT: 8.43 min Scan# 968
 Delta R.T. -0.02 min
 Lab File: BM026856.D
 Acq: 23 Jul 2020 18:08

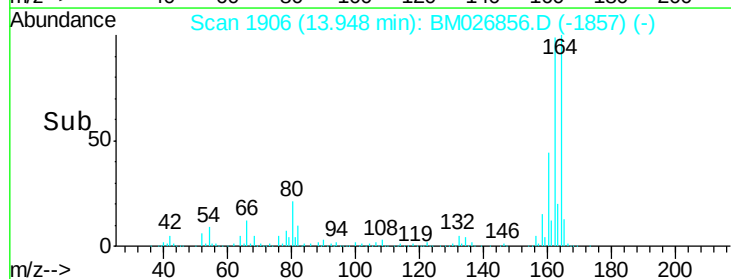
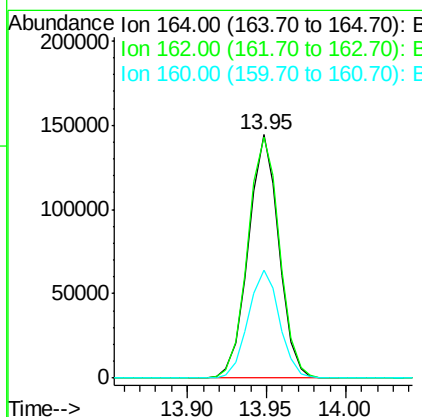
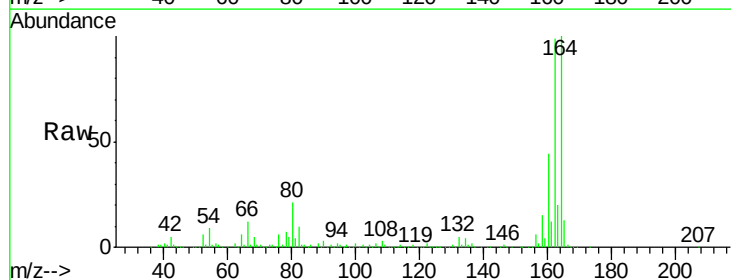
Instrument :
 BNA_M
 ClientSampleId :

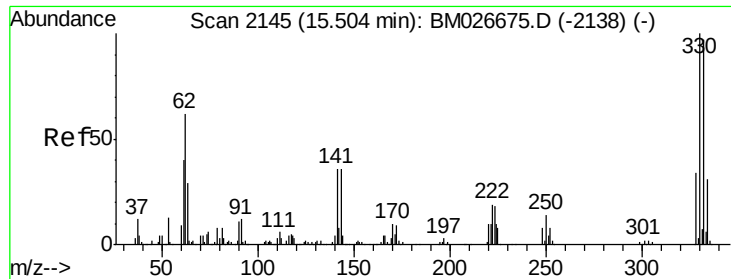
Tot Ion	82	Resp	372127
Ion Ratio	Lower	Upper	
82	100		
128	37.5	29.1	43.7
54	62.4	50.2	75.4



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 13.95 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: BM026856.D
 Acq: 23 Jul 2020 18:08

Tgt Ion	164	Resp	193212
Ion Ratio	Lower	Upper	
164	100		
162	99.2	83.7	125.5
160	44.4	36.2	54.2

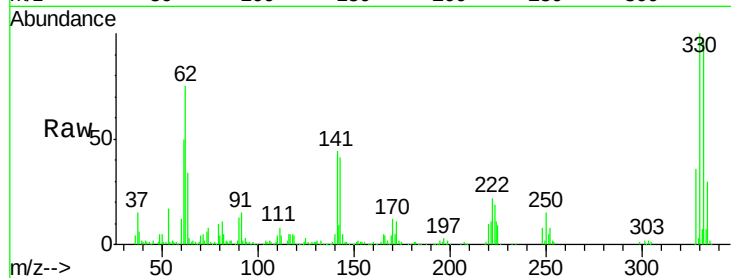




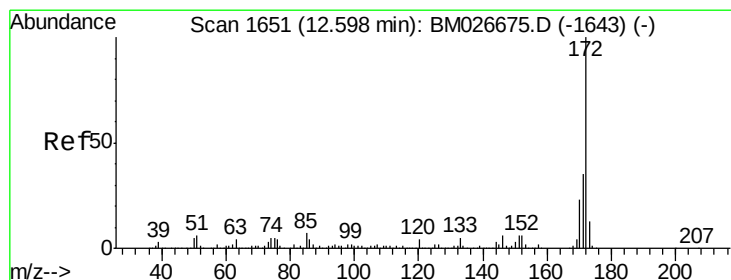
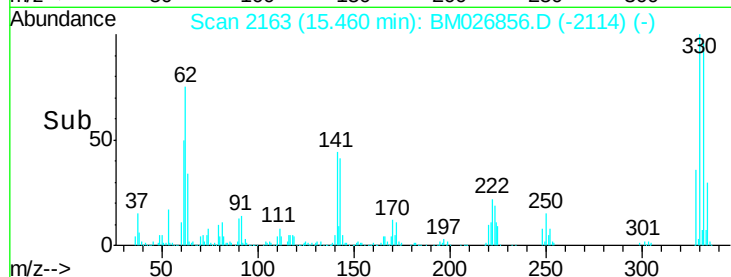
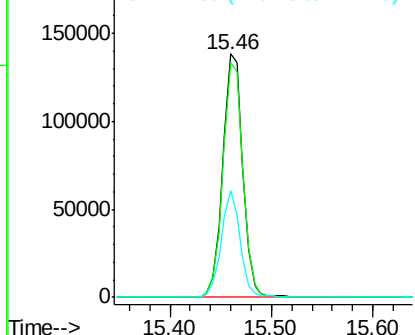
#42
 2,4,6-Tribromophenol
 Concen: 67.245 ng
 RT: 15.46 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: BM026856.D
 Acq: 23 Jul 2020 18:08

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.5	116.3
141	41.1	32.4	48.6

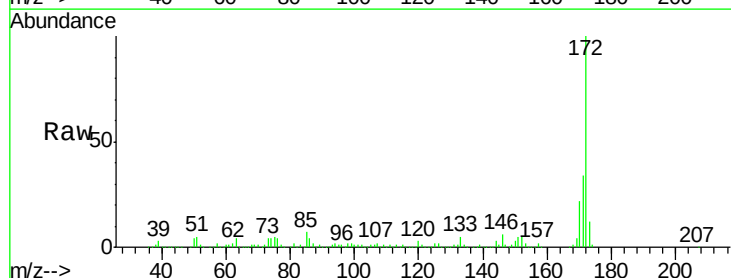


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

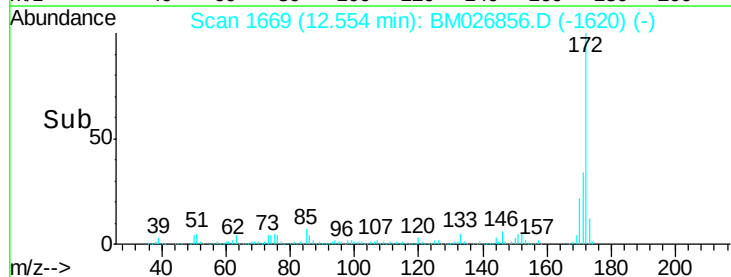
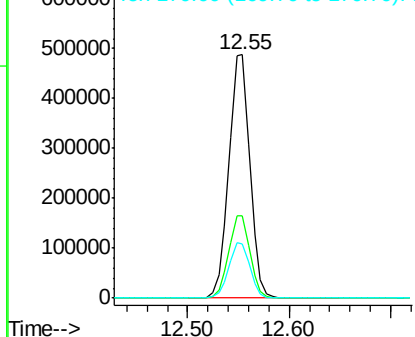


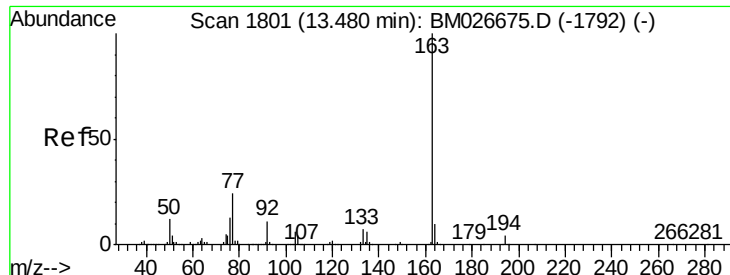
#45
 2-Fluorobiphenyl
 Concen: 48.395 ng
 RT: 12.55 min Scan# 1669
 Delta R.T. -0.01 min
 Lab File: BM026856.D
 Acq: 23 Jul 2020 18:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.8	41.6
170	22.4	18.5	27.7



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: 7.245 ng

RT: 13.42 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BM026856.D

Acq: 23 Jul 2020 18:08

Instrument :

BNA_M

ClientSampleId :

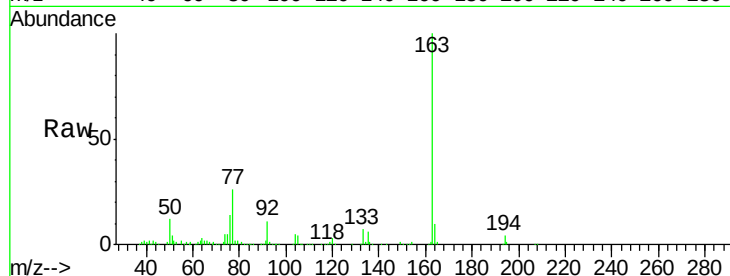
Tot Ion:163 Resp: 119734

Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.2

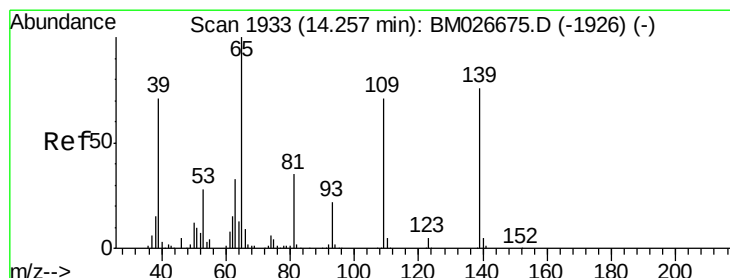
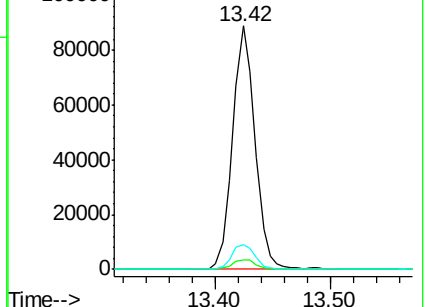
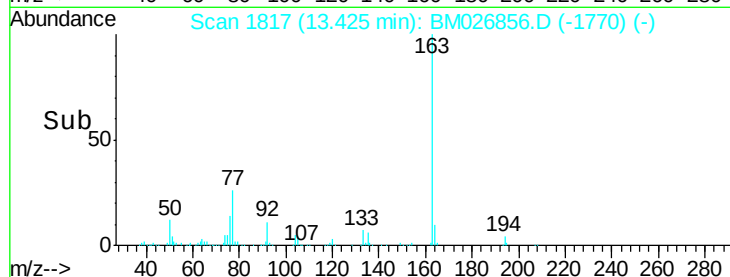
164 9.9 7.8 11.6



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



#56

4-Nitrophenol

Concen: 3.955 ng

RT: 14.16 min Scan# 1942

Delta R.T. -0.08 min

Lab File: BM026856.D

Acq: 23 Jul 2020 18:08

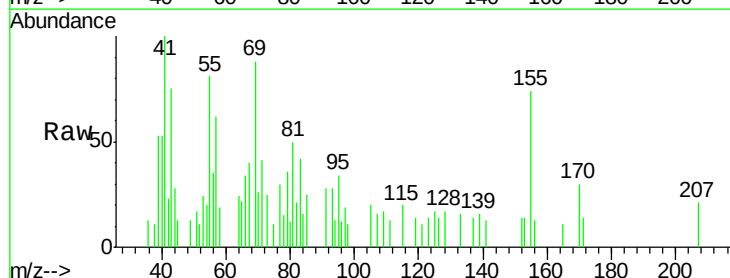
Tgt Ion:139 Resp: 144

Ion Ratio Lower Upper

139 100

109 111.2 73.7 113.7

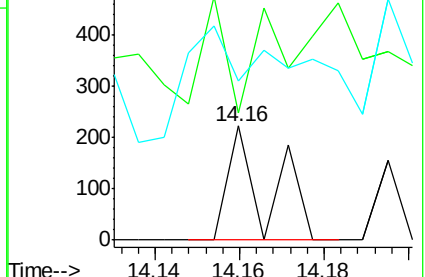
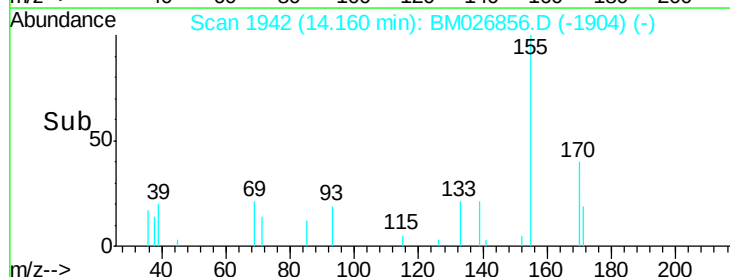
65 139.9 111.5 151.5

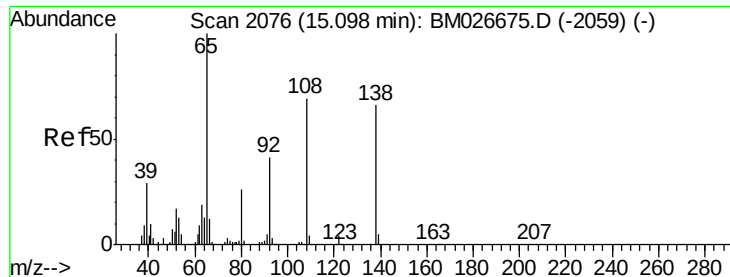


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

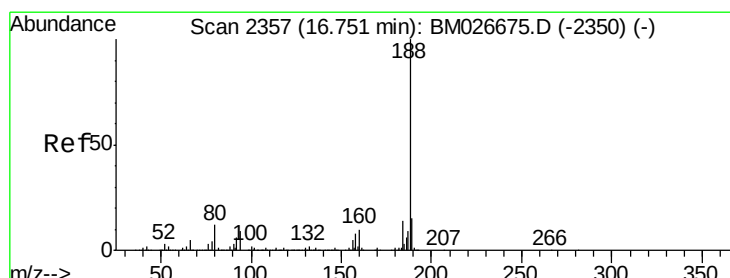
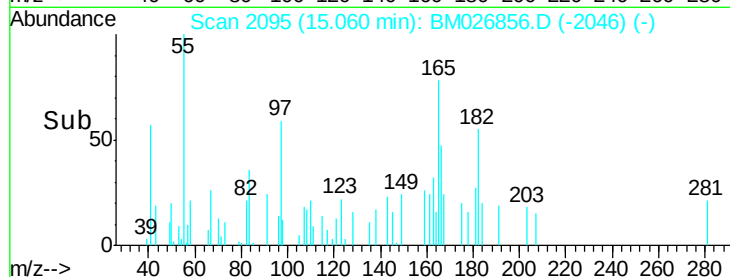
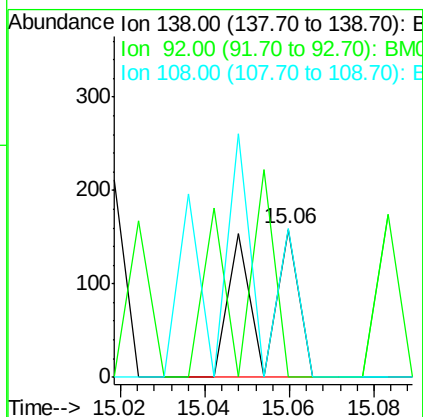
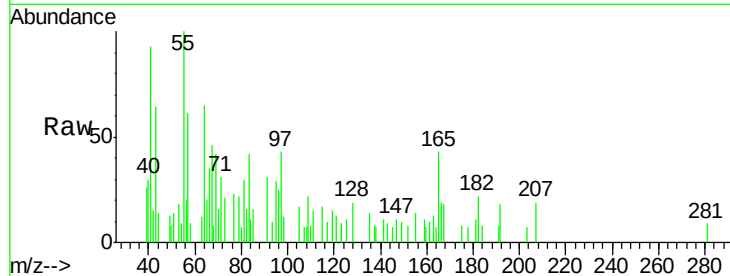




#62
4-Nitroaniline
Concen: 3.165 ng
RT: 15.06 min Scan# 2095
Delta R.T. -0.01 min
Lab File: BM026856.D
Acq: 23 Jul 2020 18:08

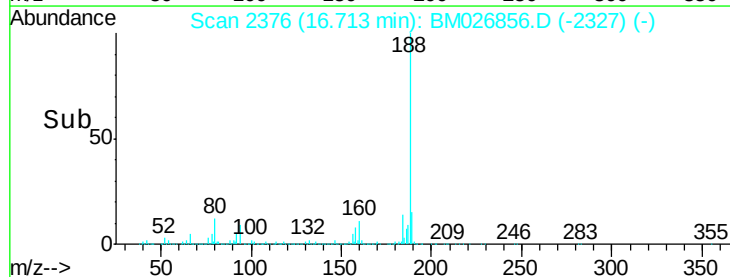
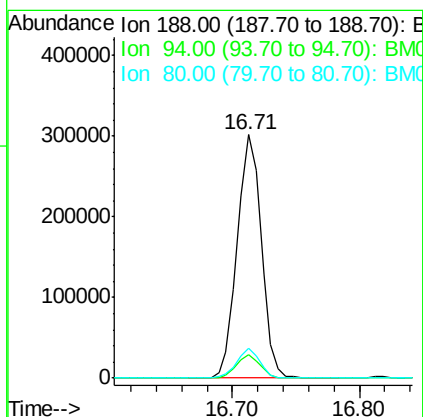
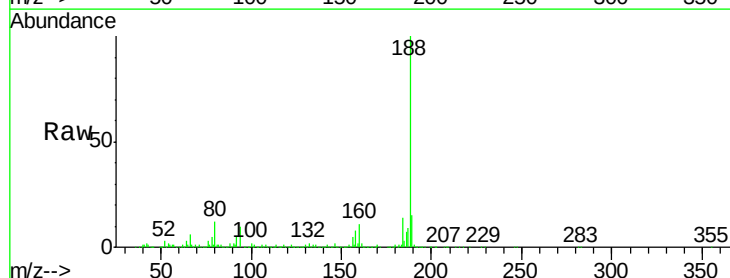
Instrument :
BNA_M
ClientSampled :

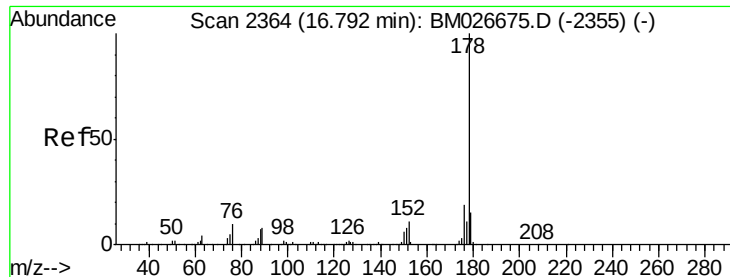
Tot Ion:138 Resp: 110
Ion Ratio Lower Upper
138 100
92 0.0 41.5 81.5#
108 101.3 84.8 124.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.71 min Scan# 2376
Delta R.T. -0.01 min
Lab File: BM026856.D
Acq: 23 Jul 2020 18:08

Tgt Ion:188 Resp: 396709
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.0
80 12.0 9.3 13.9

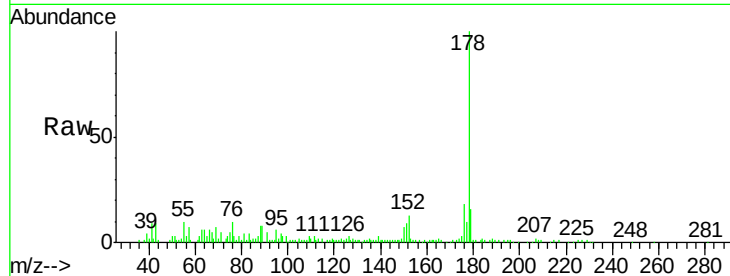




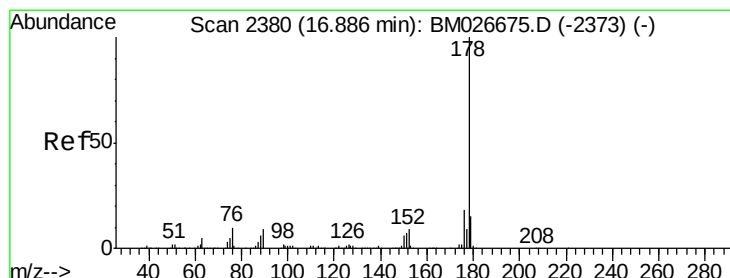
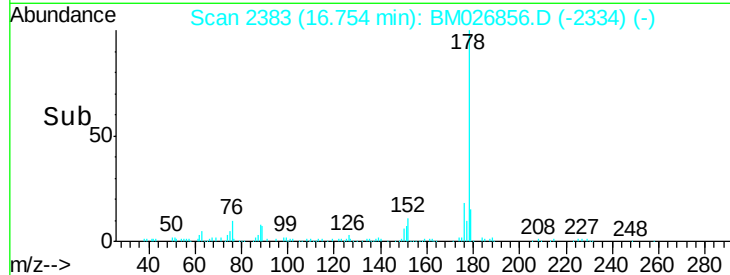
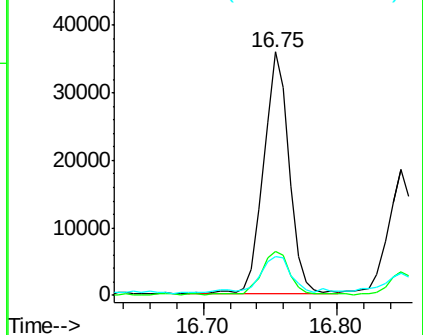
#71
Phenanthrene
Concen: 2.048 ng
RT: 16.75 min Scan# 2383
Delta R.T. -0.01 min
Lab File: BM026856.D
Acq: 23 Jul 2020 18:08

Instrument :
BNA_M
ClientSampled :

Tot Ion:178 Resp: 47961
Ion Ratio Lower Upper
178 100
176 17.9 15.0 22.6
179 16.2 12.1 18.1

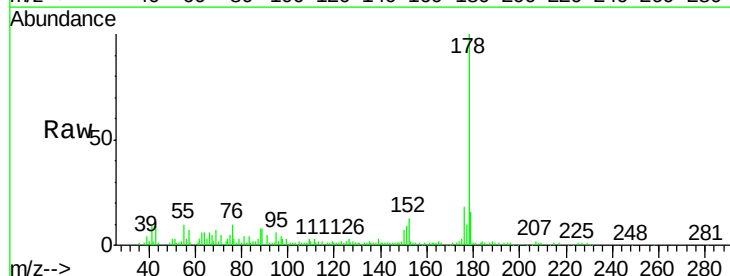


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

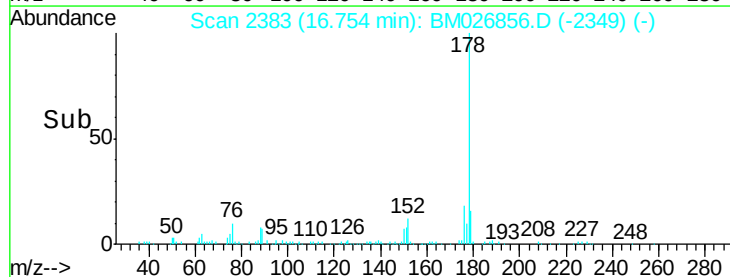
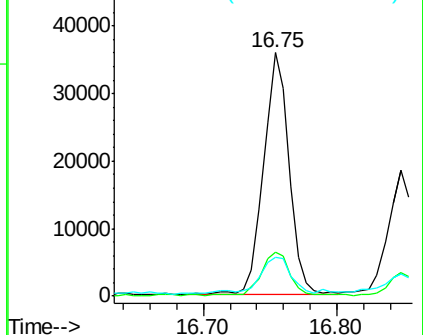


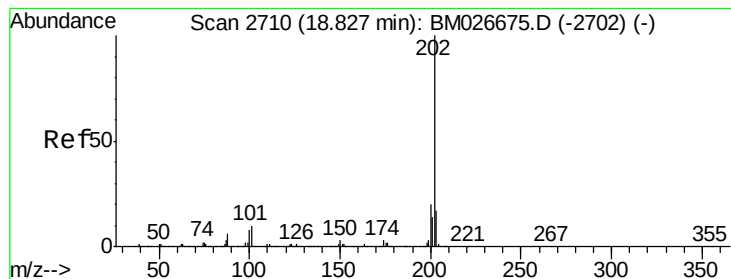
#72
Anthracene
Concen: 2.057 ng
RT: 16.75 min Scan# 2383
Delta R.T. -0.10 min
Lab File: BM026856.D
Acq: 23 Jul 2020 18:08

Tgt Ion:178 Resp: 47961
Ion Ratio Lower Upper
178 100
176 17.9 14.7 22.1
179 16.2 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.498 ng

RT: 18.79 min Scan# 2729

Delta R.T. -0.01 min

Lab File: BM026856.D

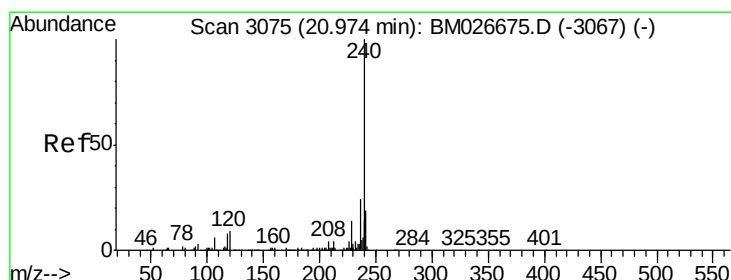
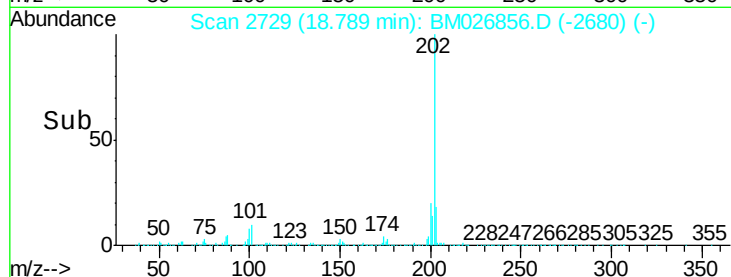
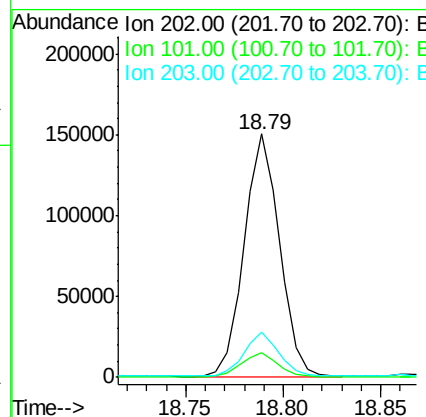
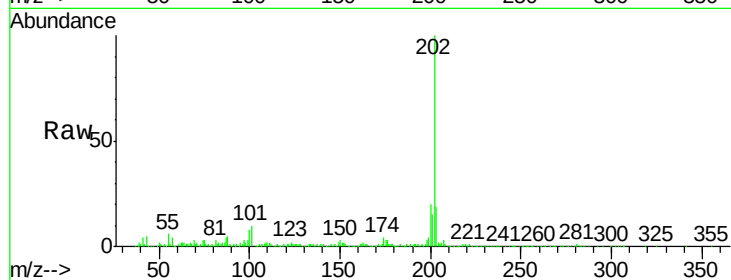
Acq: 23 Jul 2020 18:08

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	202	Resp:	187434
Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.1
203	18.7	0.0	37.2



#76

Chrysene-d12

Concen: 20.000 ng

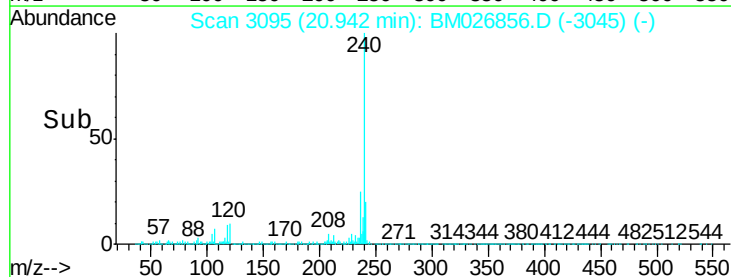
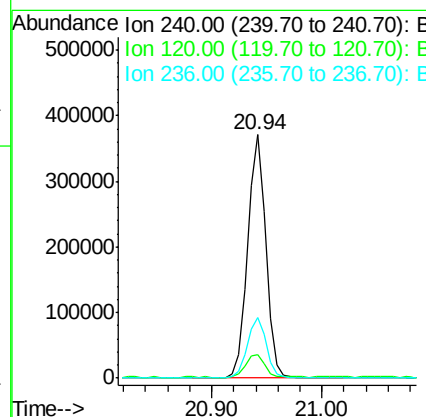
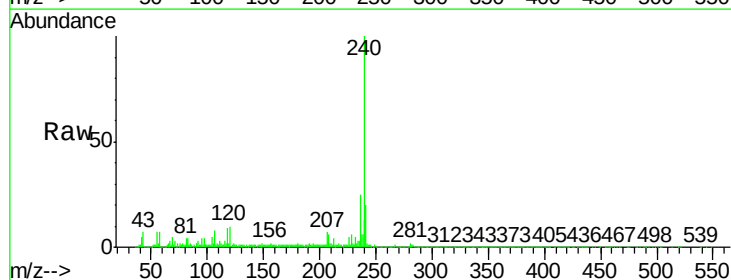
RT: 20.94 min Scan# 3095

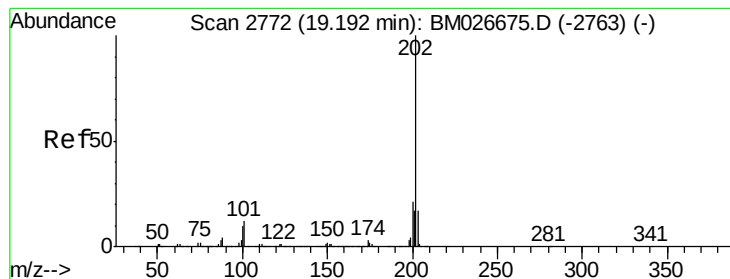
Delta R.T. -0.01 min

Lab File: BM026856.D

Acq: 23 Jul 2020 18:08

Tgt Ion:	240	Resp:	429271
Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.3	10.9
236	24.9	19.4	29.2





#78

Pvrene

Concen: 7.502 ng

RT: 19.15 min Scan# 2791

Delta R.T. -0.01 min

Lab File: BM026856.D

Acq: 23 Jul 2020 18:08

Instrument :

BNA_M

ClientSampleId :

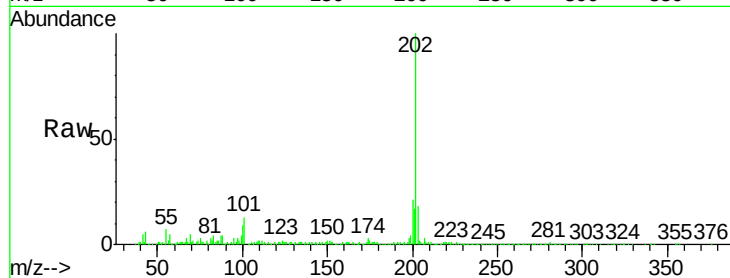
Tot Ion:202 Resp: 202855

Ion Ratio Lower Upper

202 100

200 20.8 16.6 24.8

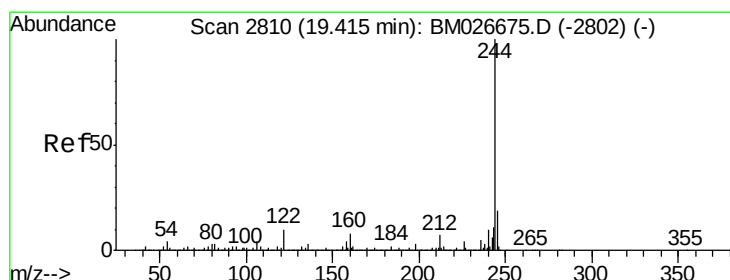
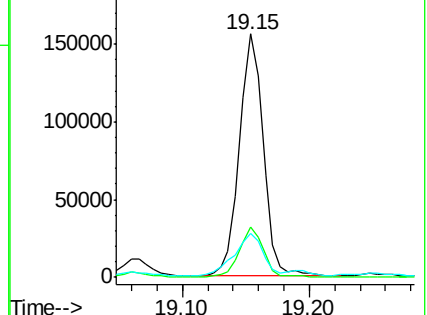
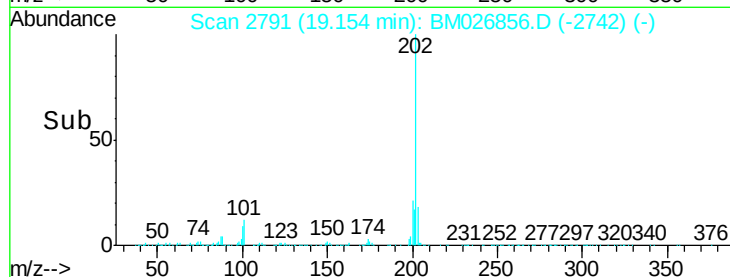
203 18.1 13.7 20.5



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: 45.473 ng

RT: 19.38 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BM026856.D

Acq: 23 Jul 2020 18:08

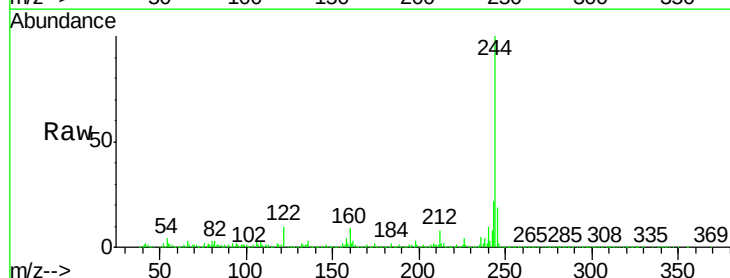
Tgt Ion:244 Resp: 991865

Ion Ratio Lower Upper

244 100

212 7.8 5.9 8.9

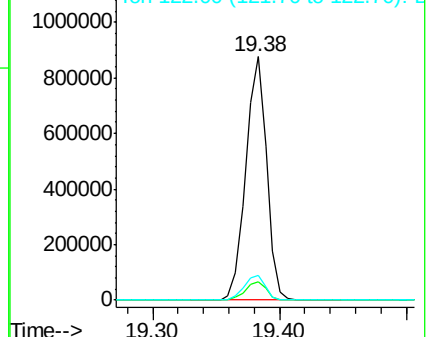
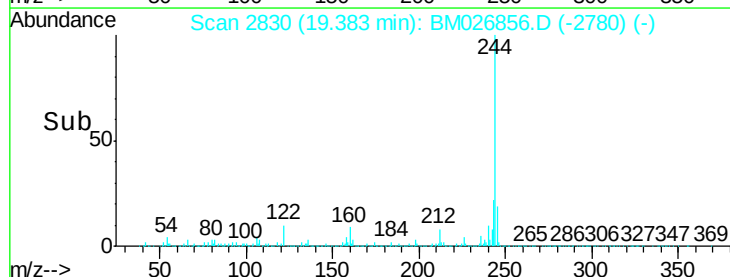
122 9.9 8.2 12.4

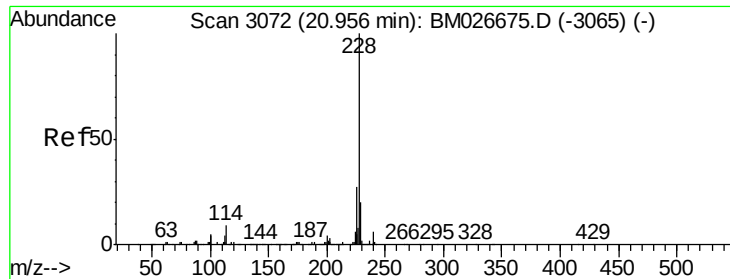


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.305 ng

RT: 20.92 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM026856.D

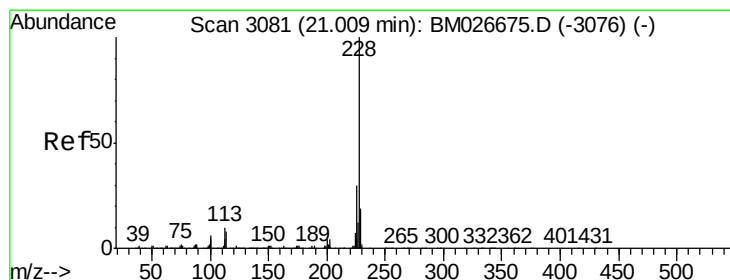
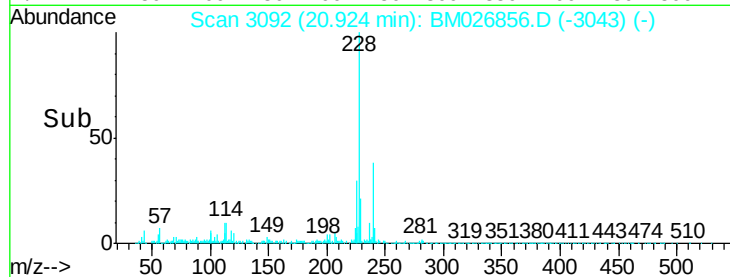
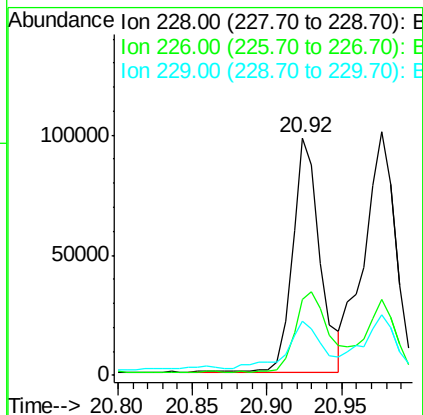
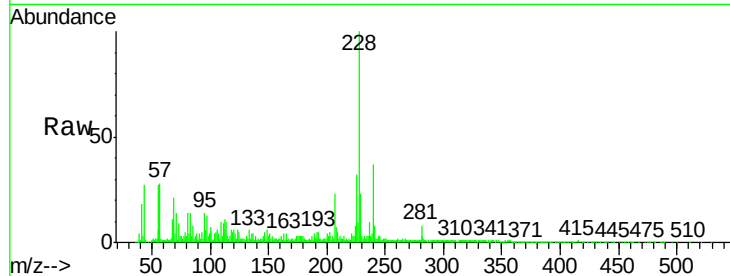
Acq: 23 Jul 2020 18:08

Instrument :

BNA_M

ClientSampleId :

Tot Ion:228	Resp:	124130
Ion	Ratio	Lower Upper
228	100	
226	31.9	21.4 32.2
229	22.6	15.6 23.4



#83

Chrysene

Concen: 4.423 ng

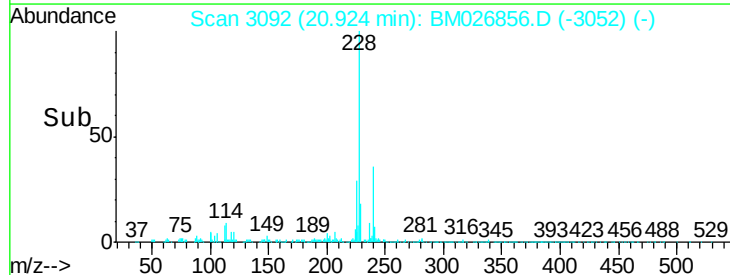
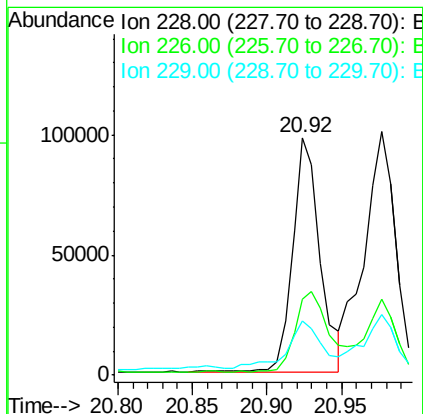
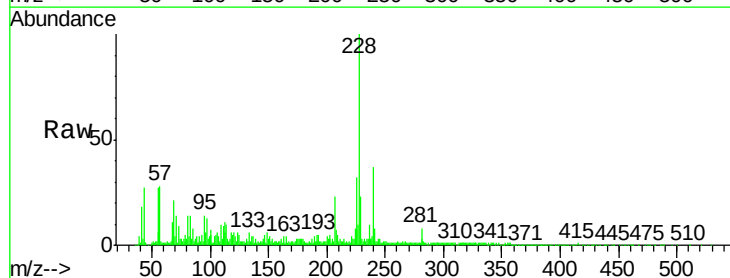
RT: 20.92 min Scan# 3092

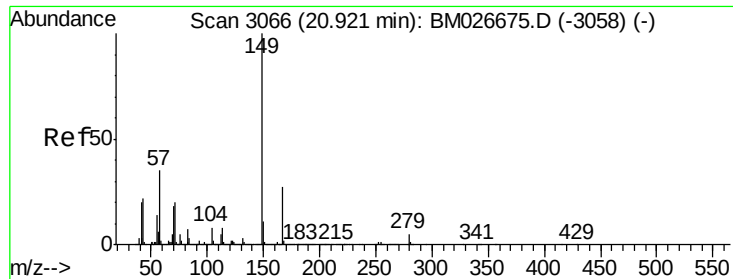
Delta R.T. -0.06 min

Lab File: BM026856.D

Acq: 23 Jul 2020 18:08

Tgt Ion:228	Resp:	124130
Ion	Ratio	Lower Upper
228	100	
226	31.9	23.7 35.5
229	22.6	15.4 23.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.598 ng

RT: 20.89 min Scan# 3087

Delta R.T. -0.01 min

Lab File: BM026856.D

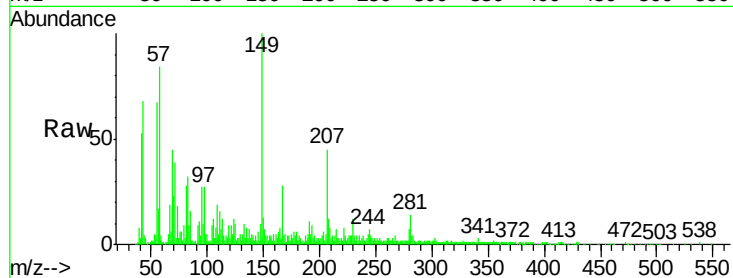
Acq: 23 Jul 2020 18:08

Instrument :

BNA_M

ClientSampleId :

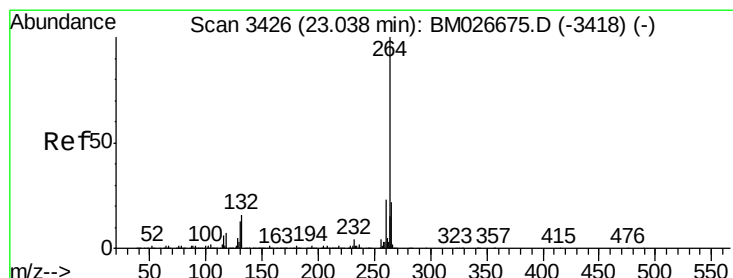
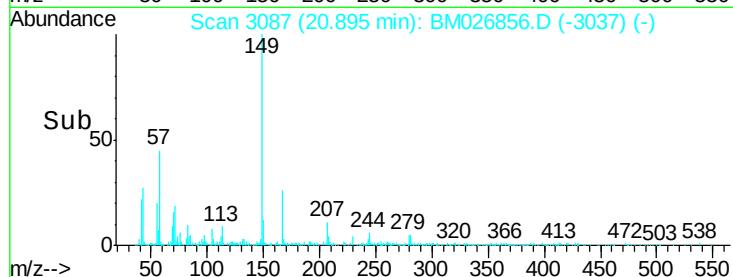
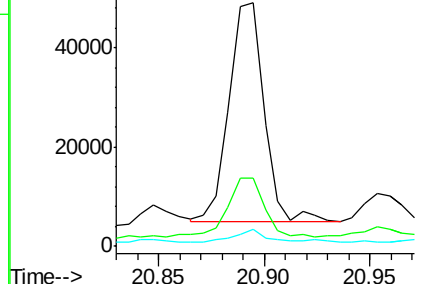
Tot Ion:149	Resp:	50507
Ion Ratio	Lower	Upper
149	100	
167	28.2	21.9 32.9
279	6.8	3.7 5.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

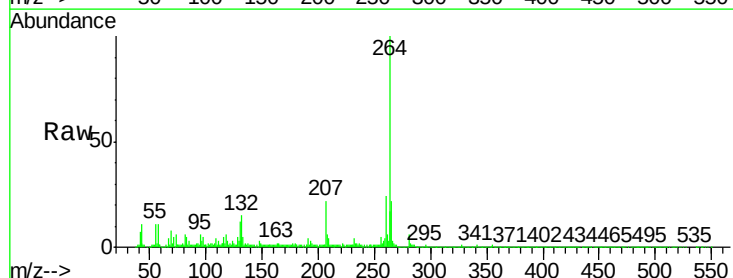
RT: 23.01 min Scan# 3446

Delta R.T. -0.01 min

Lab File: BM026856.D

Acq: 23 Jul 2020 18:08

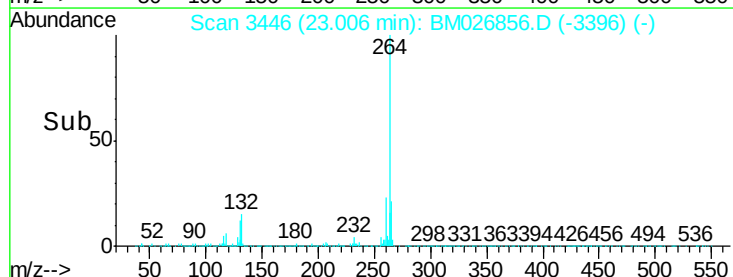
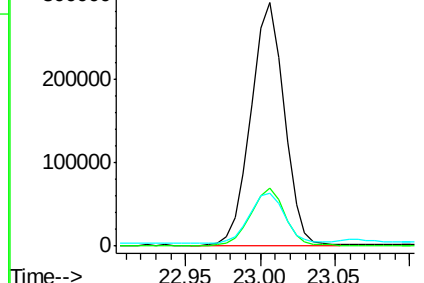
Tgt Ion:264	Resp:	447390
Ion Ratio	Lower	Upper
264	100	
260	23.7	18.2 27.2
265	21.8	17.6 26.4

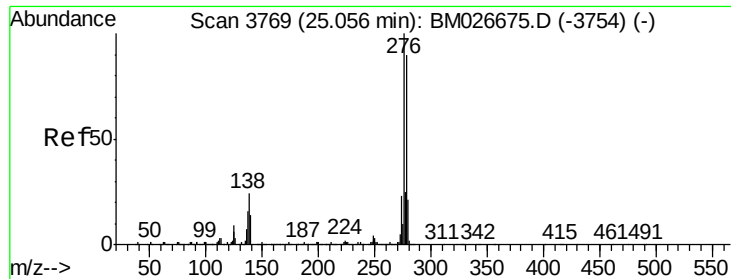


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

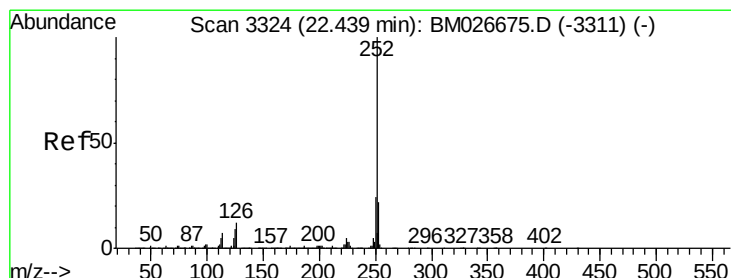
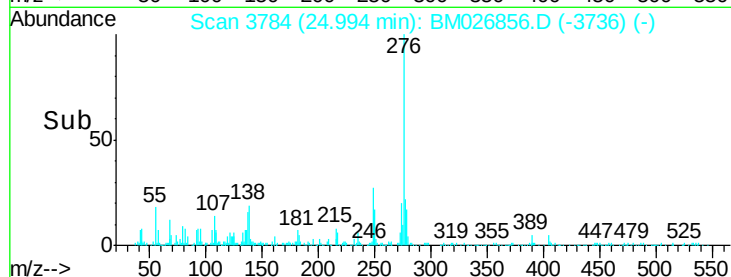
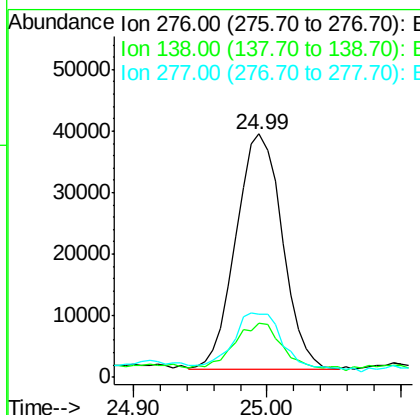
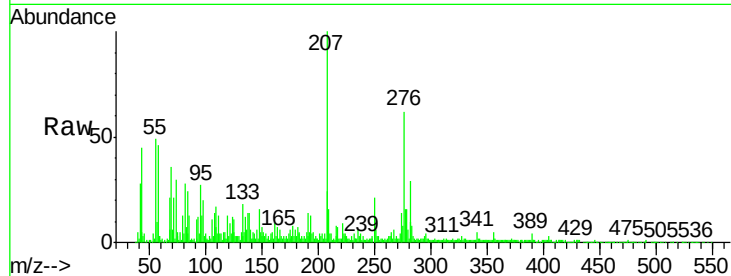




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.896 ng
 RT: 24.99 min Scan# 3784
 Delta R.T. -0.02 min
 Lab File: BM026856.D
 Acq: 23 Jul 2020 18:08

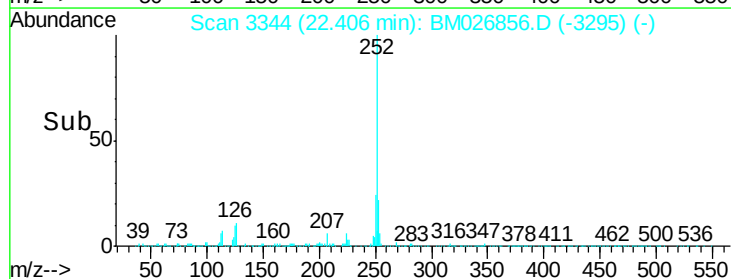
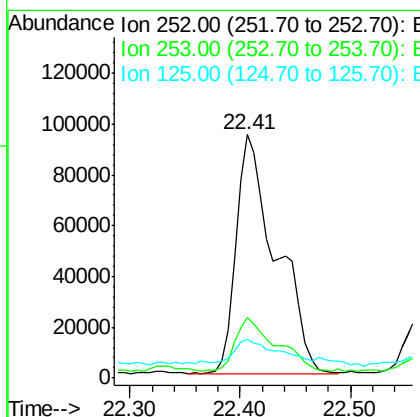
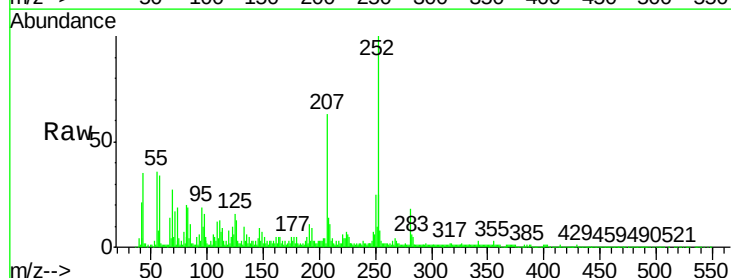
Instrument :
 BNA_M
 ClientSampled :

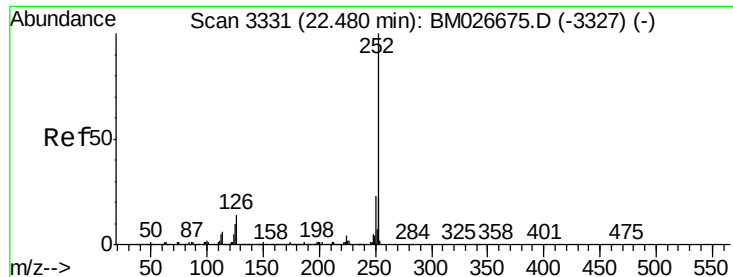
Tot Ion:276 Resp: 92222
 Ion Ratio Lower Upper
 276 100
 138 21.4 18.4 27.6
 277 27.6 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 8.087 ng
 RT: 22.41 min Scan# 3344
 Delta R.T. -0.01 min
 Lab File: BM026856.D
 Acq: 23 Jul 2020 18:08

Tgt Ion:252 Resp: 238384
 Ion Ratio Lower Upper
 252 100
 253 24.8 17.5 26.3
 125 16.1 7.5 11.3#

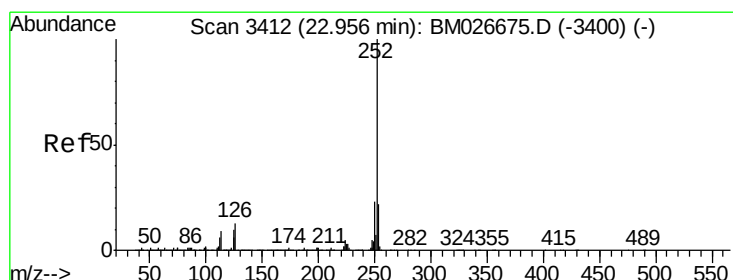
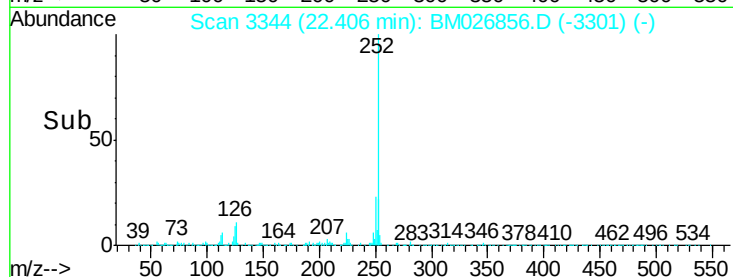
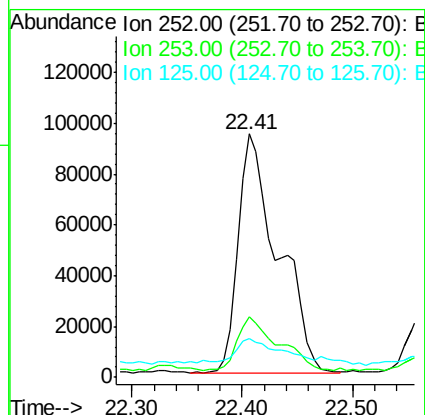
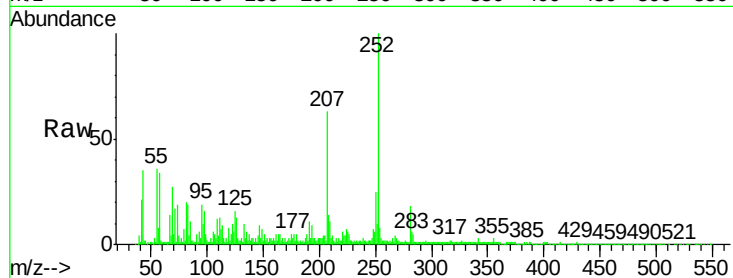




#89
Benzo(k)fluoranthene
Concen: 8.244 ng
RT: 22.41 min Scan# 3344
Delta R.T. -0.05 min
Lab File: BM026856.D
Acq: 23 Jul 2020 18:08

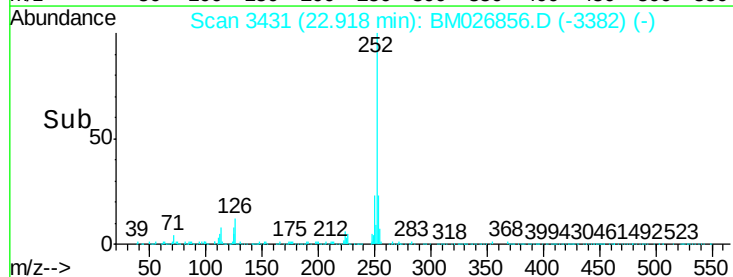
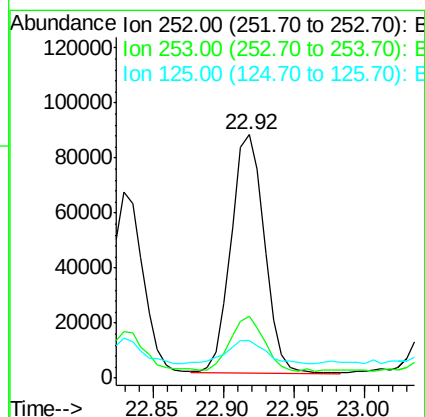
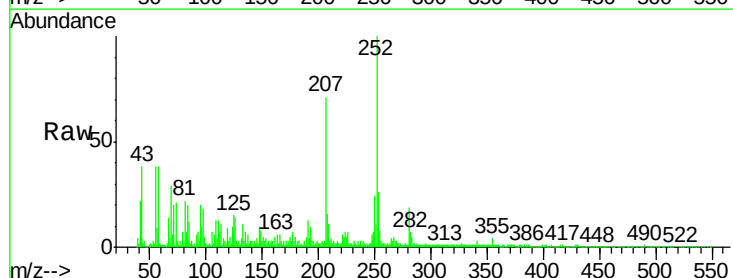
Instrument :
BNA_M
ClientSampleId :

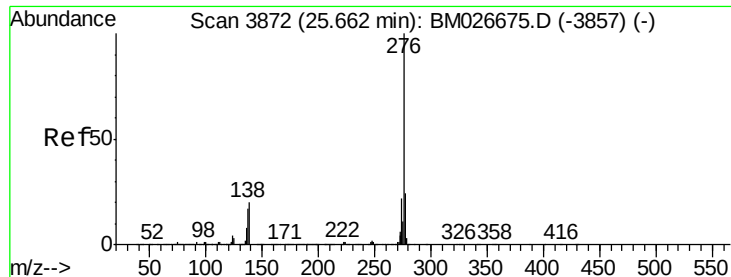
Tot Ion:252 Resp: 238384
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 16.1 7.8 11.8#



#90
Benzo(a)pyrene
Concen: 5.235 ng
RT: 22.92 min Scan# 3431
Delta R.T. -0.01 min
Lab File: BM026856.D
Acq: 23 Jul 2020 18:08

Tgt Ion:252 Resp: 143250
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.2
125 15.2 8.2 12.4#





#92

Benzo(a,h,i)perylene

Concen: 3.839 ng

RT: 25.59 min Scan# 3886

Delta R.T. -0.02 min

Lab File: BM026856.D

Acq: 23 Jul 2020 18:08

Instrument :

BNA_M

ClientSampleId :

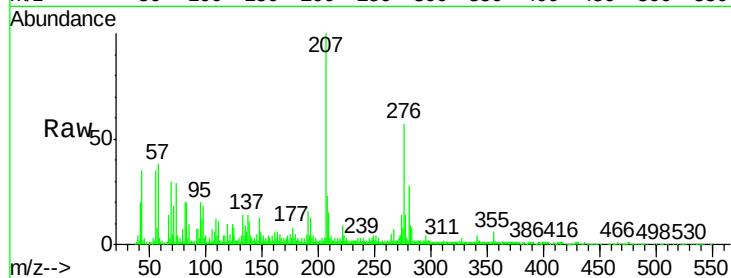
Tot Ion: 276 Resp: 95098

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 19.1 15.8 23.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

