

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110520\
 Data File : BM027724.D
 Acq On : 05 Nov 2020 18:39
 Operator : JU/CG
 Sample : SP5331
 Misc : SFAM SIM SPIKE
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP5331

Quant Time: Nov 06 01:33:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM110520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 05 04:58:48 2020
 Response via : Initial Calibration

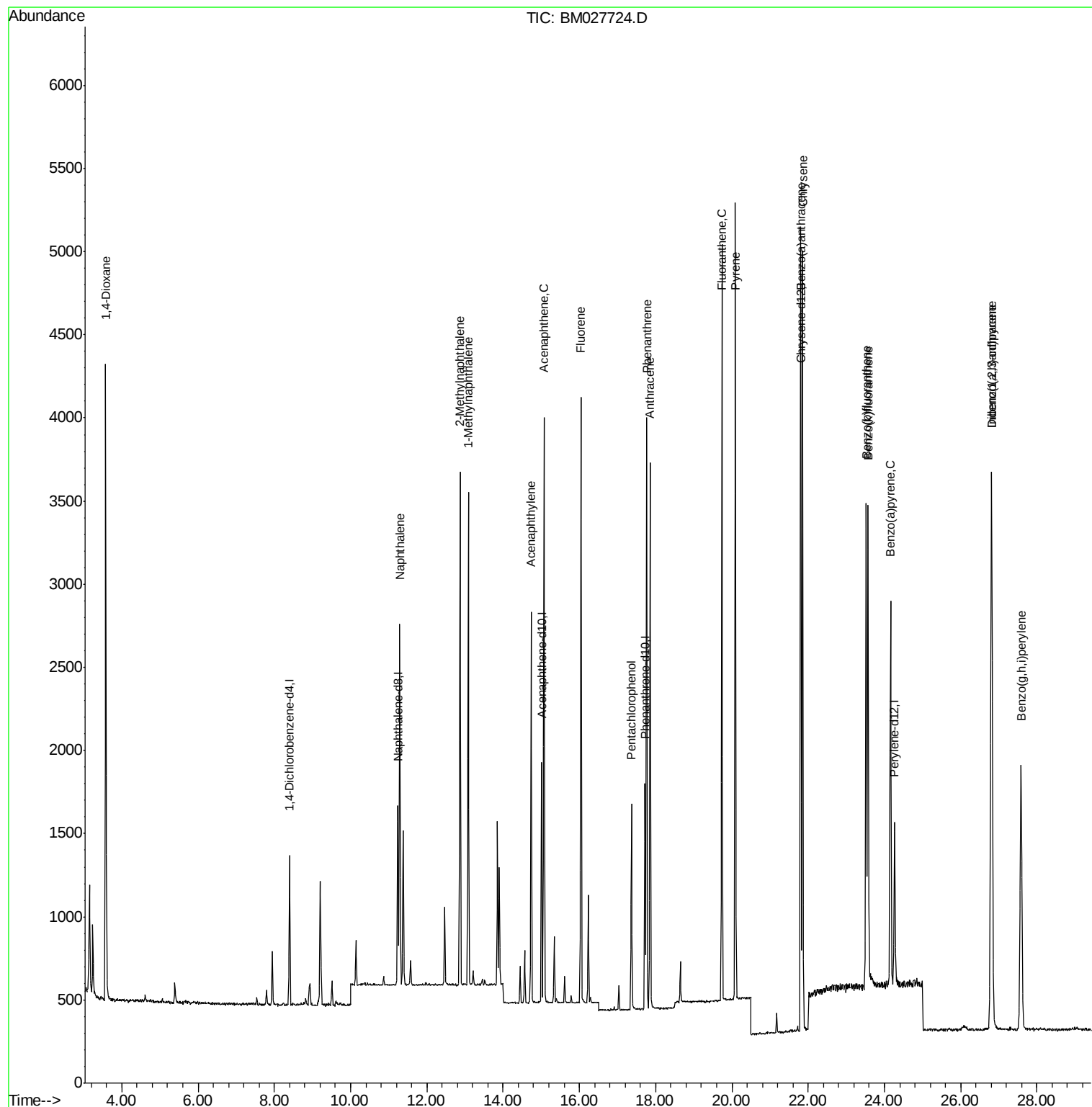
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	435	0.40	ng/ul	0.00
4) Naphthalene-d8	11.24	136	1396	0.40	ng/ul	0.00
9) Acenaphthene-d10	15.01	164	784	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.72	188	1653	0.40	ng/ul	0.00
19) Chrysene-d12	21.82	240	1457	0.40	ng/ul	0.00
23) Perylene-d12	24.27	264	1356	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/ul	
6) 2-Methylnaphthalene-d10	0.00	152	0d	0.00	ng/ul	
17) Fluoranthene-d10	0.00	212	0d	0.00	ng/ul	
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.58	88	2171	4.520	ng/ul#	88
5) Naphthalene	11.29	128	2959	0.748	ng/ul	96
7) 2-Methylnaphthalene	12.87	142	1934	0.709	ng/ul	99
8) 1-Methylnaphthalene	13.09	142	1785	0.693	ng/ul	99
10) Acenaphthylene	14.74	152	2583	0.737	ng/ul	98
11) Acenaphthene	15.07	153	1976	0.742	ng/ul	100
12) Fluorene	16.04	166	2275	0.723	ng/ul	97
14) Pentachlorophenol	17.36	266	789	1.448	ng/ul	96
15) Phenanthrene	17.76	178	3597	0.746	ng/ul	96
16) Anthracene	17.85	178	3474	0.734	ng/ul	98
18) Fluoranthene	19.74	202	4058	0.721	ng/ul	98
20) Pyrene	20.09	202	4125	0.726	ng/ul	97
21) Benzo(a)anthracene	21.80	228	3984	0.748	ng/ul	98
22) Chrysene	21.86	228	4018	0.735	ng/ul	99
24) Benzo(b)fluoranthene	23.52	252	4026	0.739	ng/ul	98
25) Benzo(k)fluoranthene	23.57	252	3944	0.726	ng/ul	97
26) Benzo(a)pyrene	24.16	252	3616	0.733	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.80	276	4492	0.774	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.82	278	3775	0.782	ng/ul	94
29) Benzo(g,h,i)perylene	27.58	276	3852	0.788	ng/ul	94

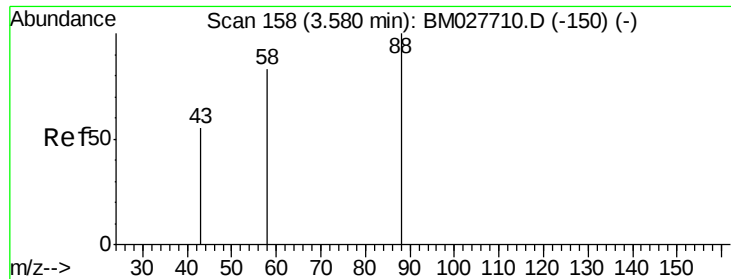
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 4.520 ng/ul

RT: 3.58 min Scan# 157

Delta R.T. -0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

Instrument :

BNA_M

ClientSampleId :

SP5331

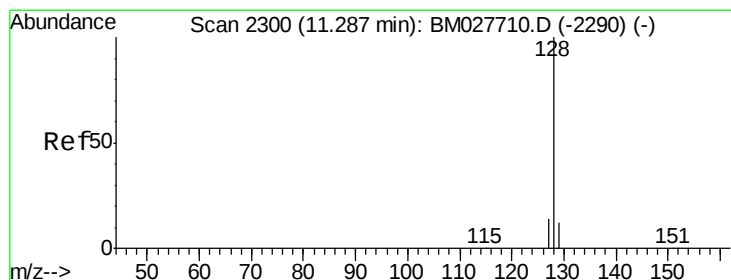
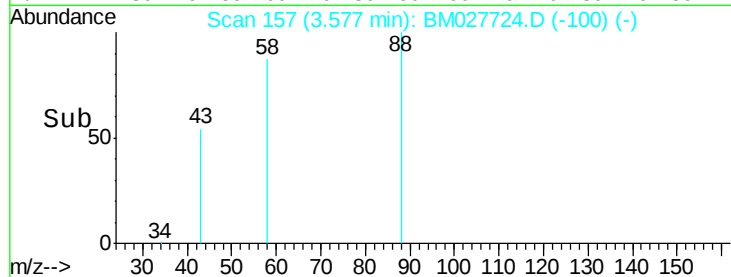
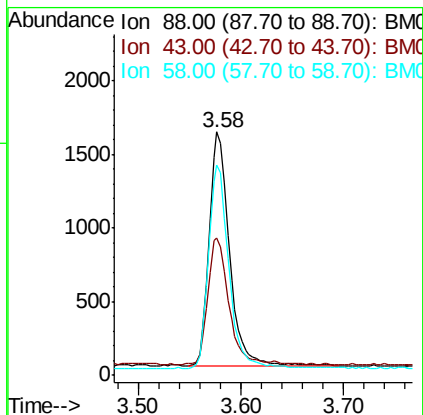
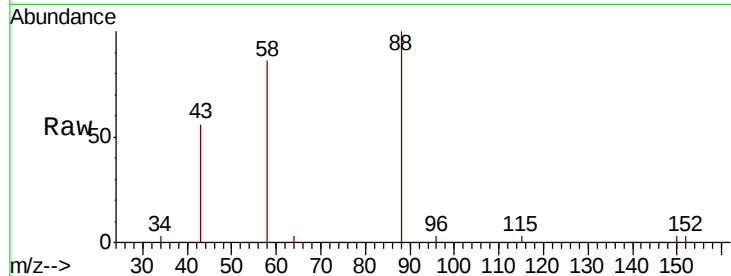
Tot Ion: 88 Resp: 2171

Ion Ratio Lower Upper

88 100

43 56.3 61.8 92.6#

58 86.2 67.8 101.8



#5

Naphthalene

Concen: 0.748 ng/ul

RT: 11.29 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

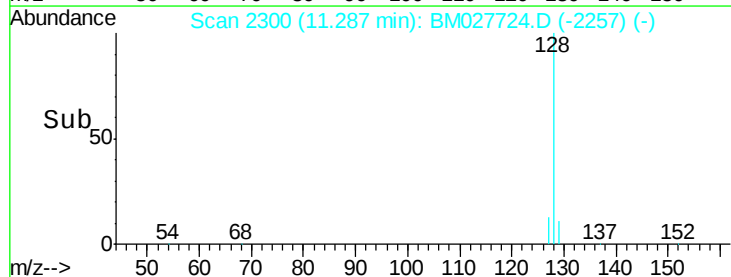
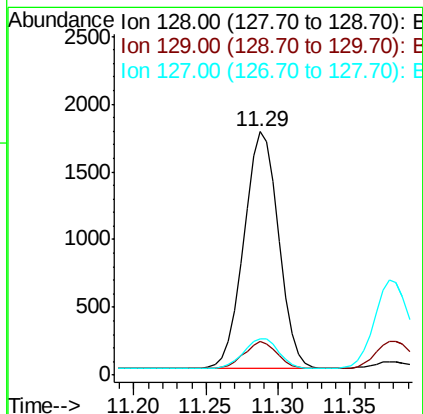
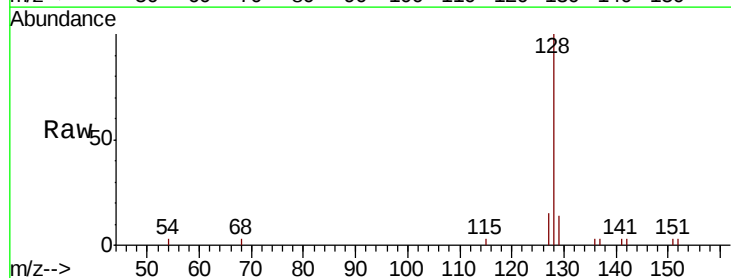
Tgt Ion: 128 Resp: 2959

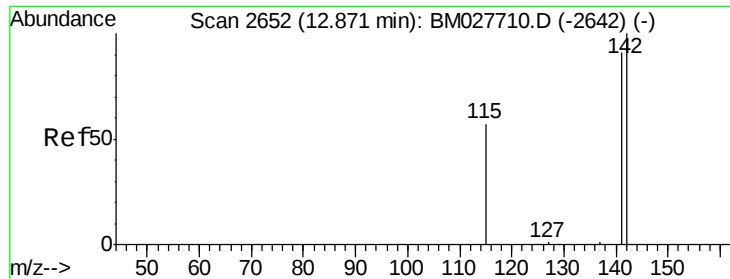
Ion Ratio Lower Upper

128 100

129 13.6 11.7 17.5

127 15.1 14.0 21.0





#7

2-Methylnaphthalene

Concen: 0.709 ng/ul

RT: 12.87 min Scan# 2652

Delta R.T. 0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

Instrument :

BNA_M

ClientSampleId :

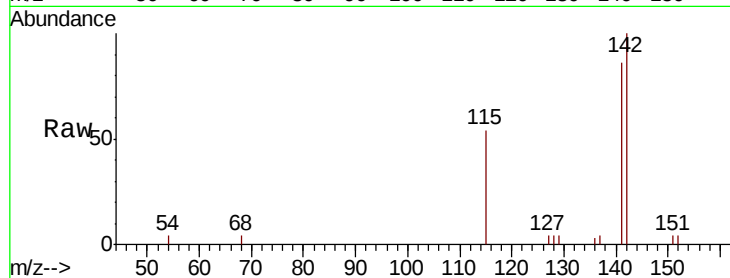
SP5331

Tot Ion:142 Resp: 1934

Ion Ratio Lower Upper

142 100

141 87.8 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.87

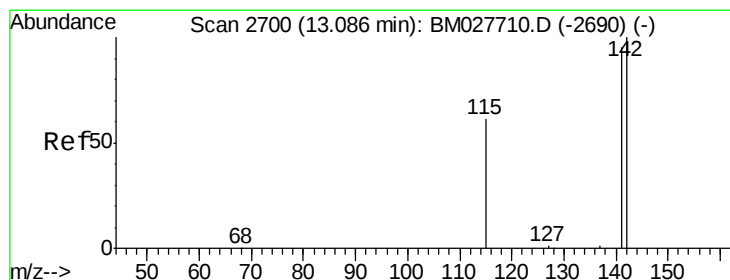
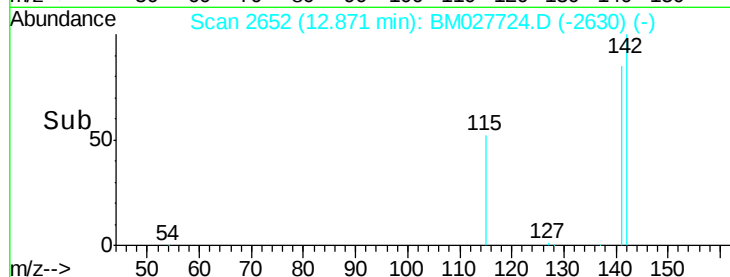
1500

1000

500

0

Time-->



#8

1-Methylnaphthalene

Concen: 0.693 ng/ul

RT: 13.09 min Scan# 2700

Delta R.T. 0.00 min

Lab File: BM027724.D

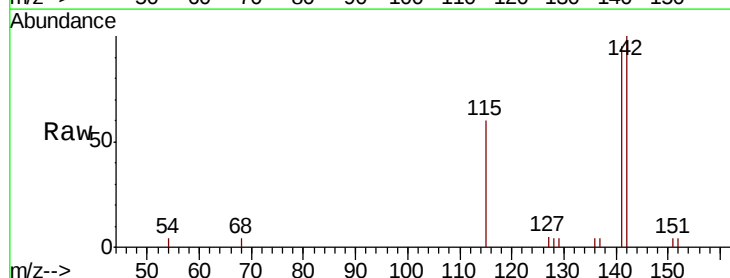
Acq: 05 Nov 2020 18:39

Tgt Ion:142 Resp: 1785

Ion Ratio Lower Upper

142 100

141 92.0 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

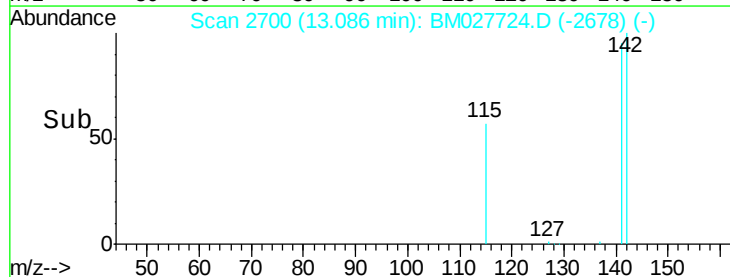
13.09

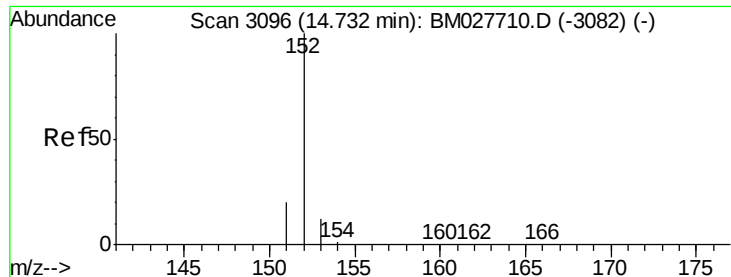
1000

500

0

Time-->





#10

Acenaphthylene

Concen: 0.737 ng/ul

RT: 14.74 min Scan# 3097

Delta R.T. 0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

Instrument :

BNA_M

ClientSampleId :

SP5331

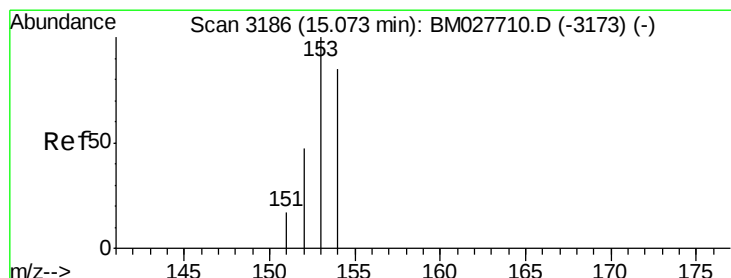
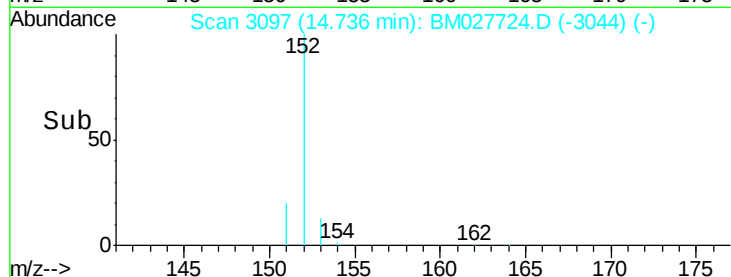
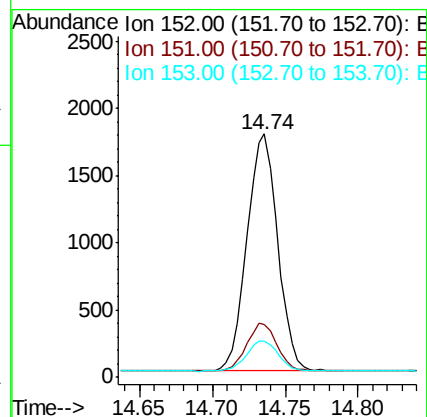
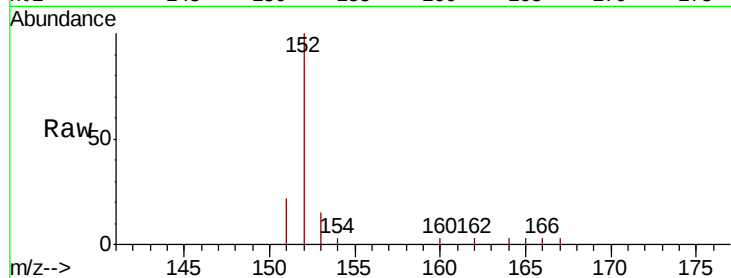
Tot Ion:152 Resp: 2583

Ion Ratio Lower Upper

152 100

151 21.7 17.8 26.8

153 15.1 13.5 20.3



#11

Acenaphthene

Concen: 0.742 ng/ul

RT: 15.07 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

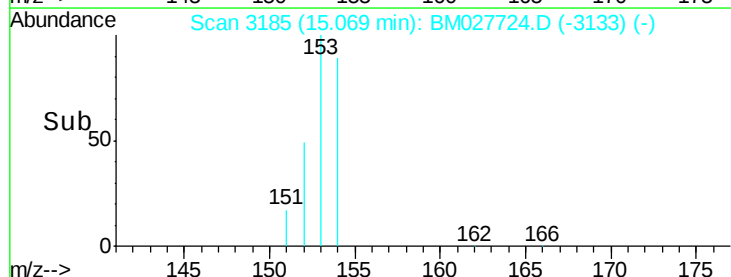
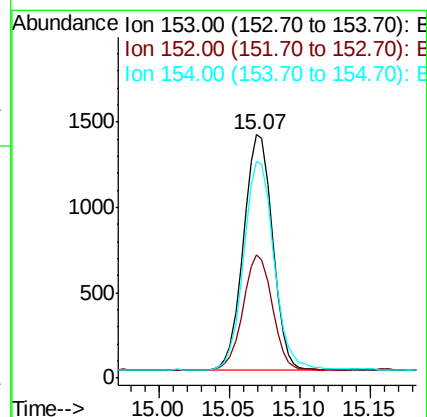
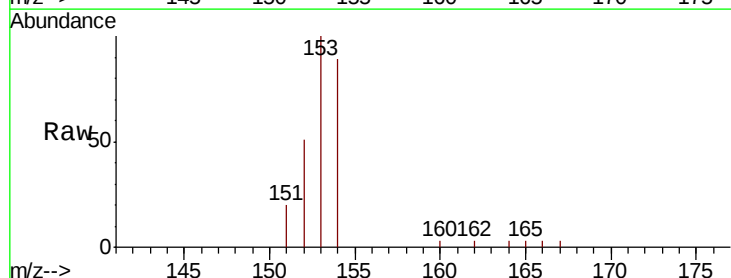
Tgt Ion:153 Resp: 1976

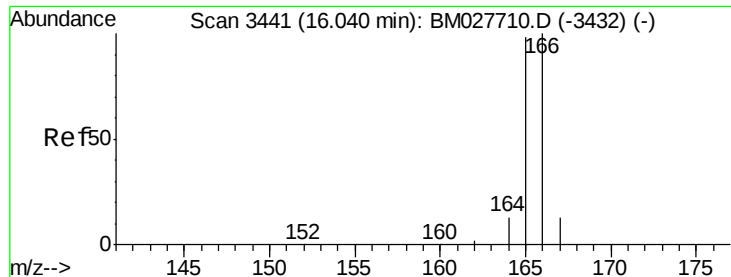
Ion Ratio Lower Upper

153 100

152 50.7 40.6 60.8

154 89.2 71.0 106.4





#12

Fluorene

Concen: 0.723 ng/ul

RT: 16.04 min Scan# 3441

Delta R.T. -0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

Instrument :

BNA_M

ClientSampleId :

SP5331

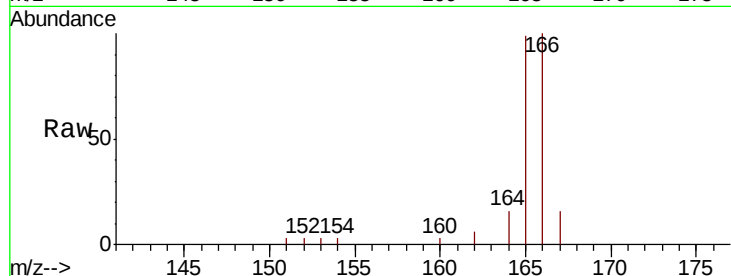
Tot Ion:166 Resp: 2275

Ion Ratio Lower Upper

166 100

165 98.6 76.2 114.4

167 16.0 13.7 20.5



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

16.04

1500

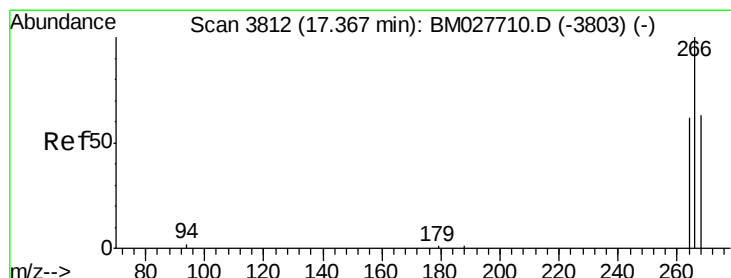
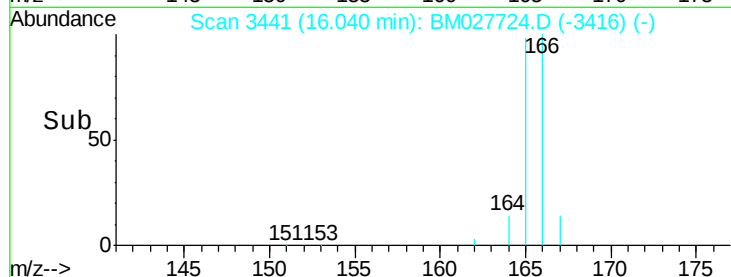
1000

500

0

16.00 16.10

Time-->



#14

Pentachlorophenol

Concen: 1.448 ng/ul

RT: 17.36 min Scan# 3811

Delta R.T. -0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

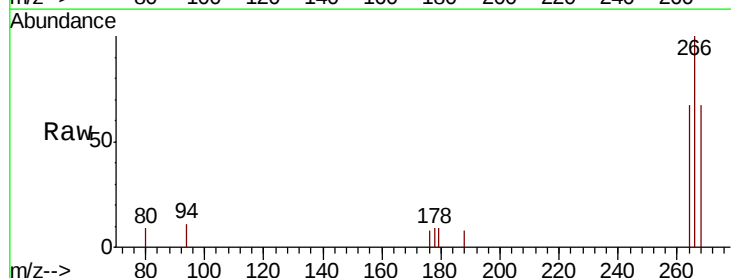
Tgt Ion:266 Resp: 789

Ion Ratio Lower Upper

266 100

264 63.4 48.2 72.4

268 63.5 53.4 80.0



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

17.36

800

600

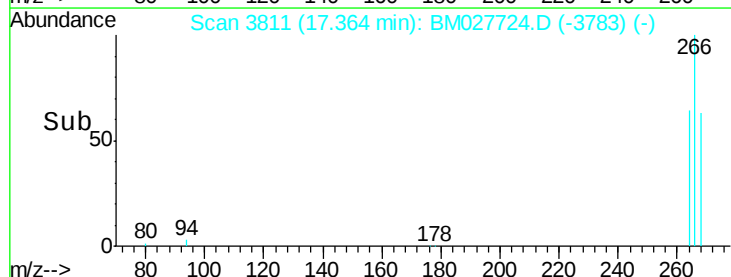
400

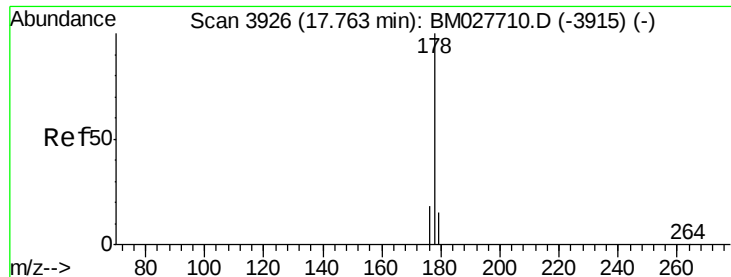
200

0

17.30 17.40

Time-->





#15

Phenanthrene

Concen: 0.746 ng/ul

RT: 17.76 min Scan# 3926

Delta R.T. 0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

Instrument :

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ClientSampleId :

SP5331

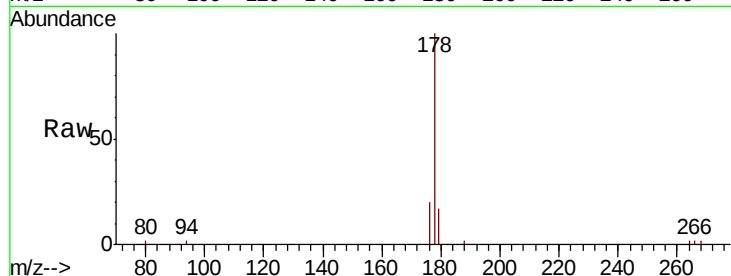
Tot Ion:178 Resp: 3597

Ion Ratio Lower Upper

178 100

179 16.7 14.6 22.0

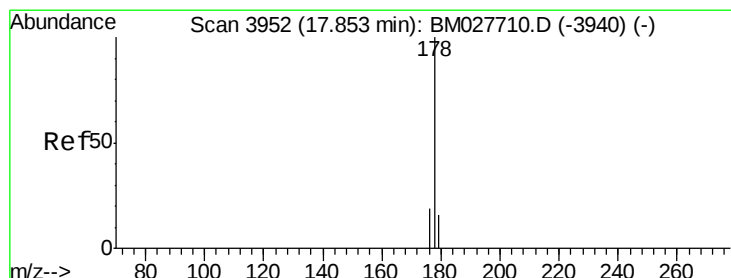
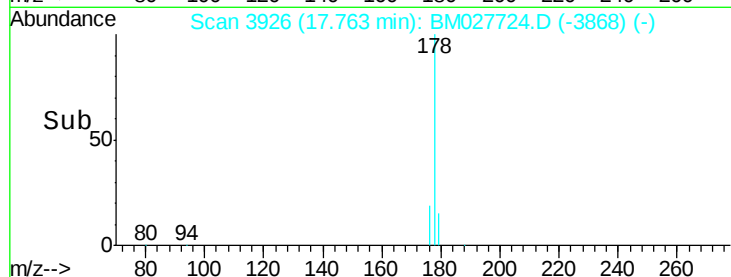
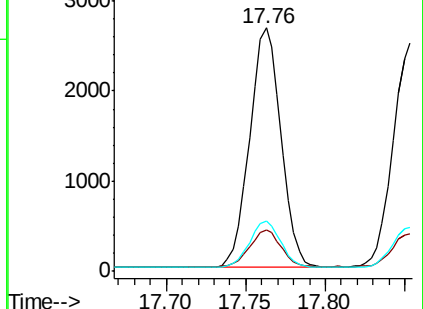
176 20.5 18.2 27.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Anthracene

Concen: 0.734 ng/ul

RT: 17.85 min Scan# 3952

Delta R.T. 0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

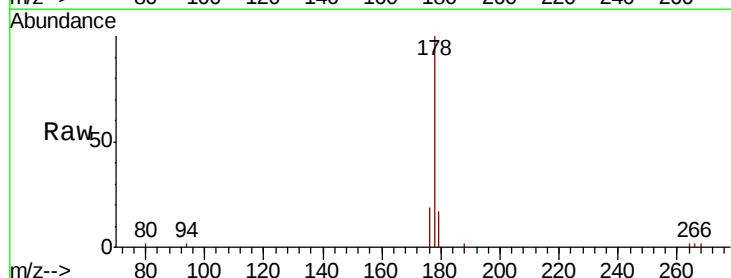
Tgt Ion:178 Resp: 3474

Ion Ratio Lower Upper

178 100

179 16.6 14.1 21.1

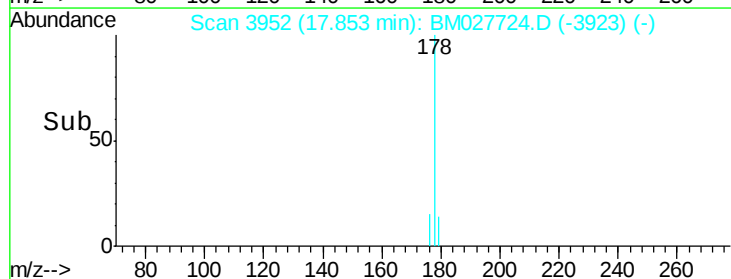
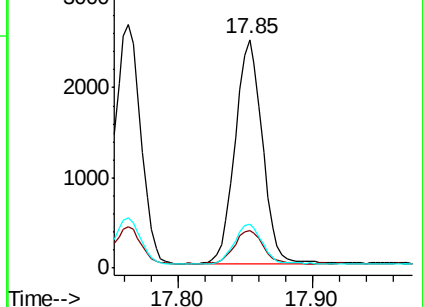
176 19.2 16.3 24.5

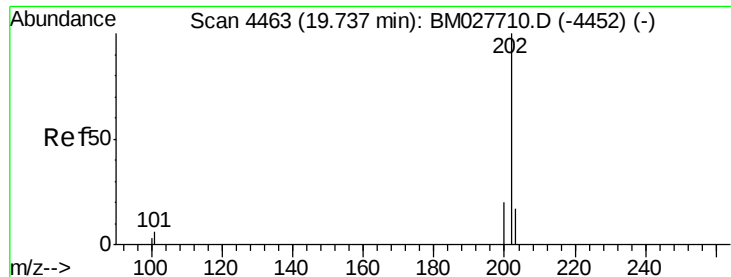


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.721 ng/ul

RT: 19.74 min Scan# 4463

Delta R.T. 0.00 min

Lab File: BM027724.D

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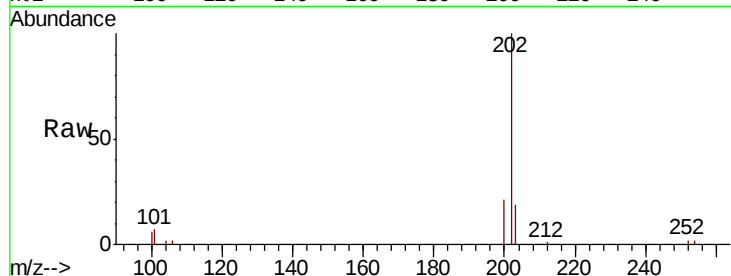
Tot Ion:202 Resp: 4058

Ion Ratio Lower Upper

202 100

101 7.4 6.1 9.1

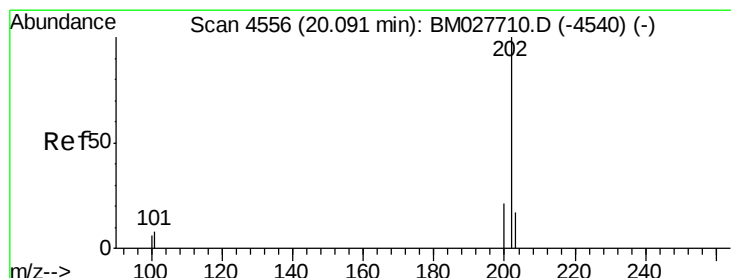
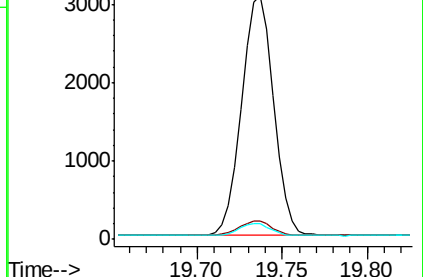
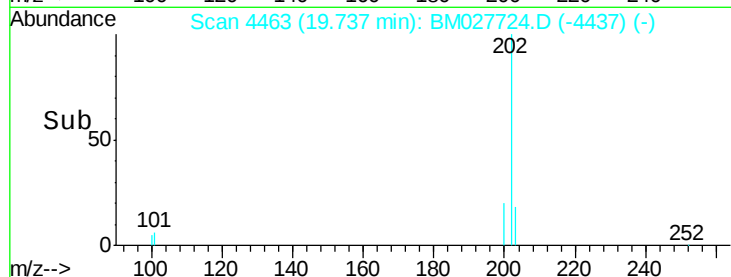
100 6.2 5.8 8.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#20

Pyrene

Concen: 0.726 ng/ul

RT: 20.09 min Scan# 4556

Delta R.T. 0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

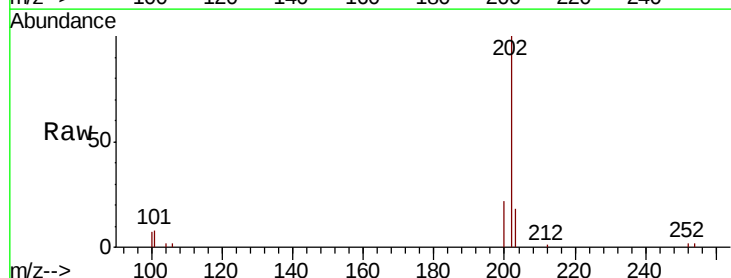
Tgt Ion:202 Resp: 4125

Ion Ratio Lower Upper

202 100

101 7.8 7.4 11.0

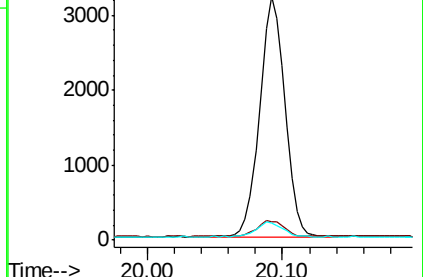
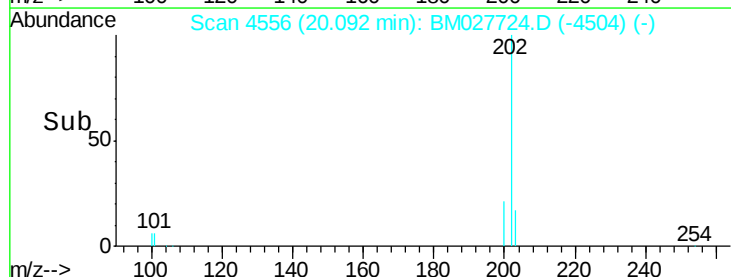
100 7.2 6.6 9.8

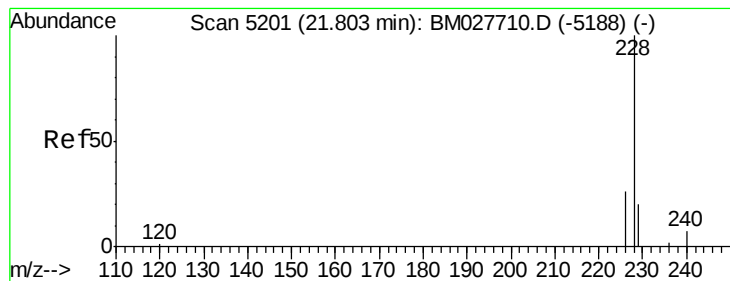


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.748 ng/ul

RT: 21.80 min Scan# 5201

Delta R.T. 0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

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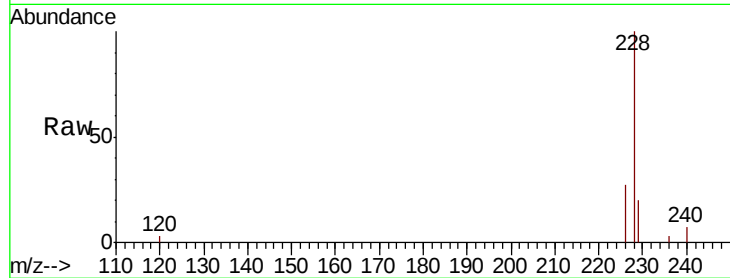
Tot Ion:228 Resp: 3984

Ion Ratio Lower Upper

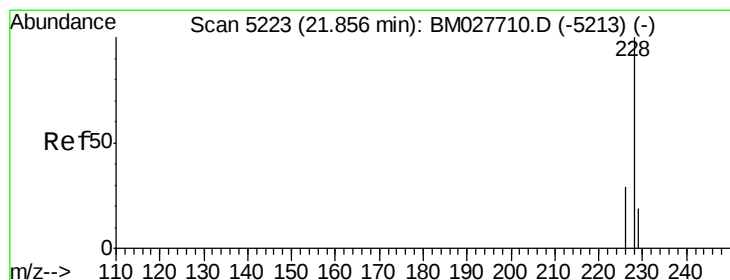
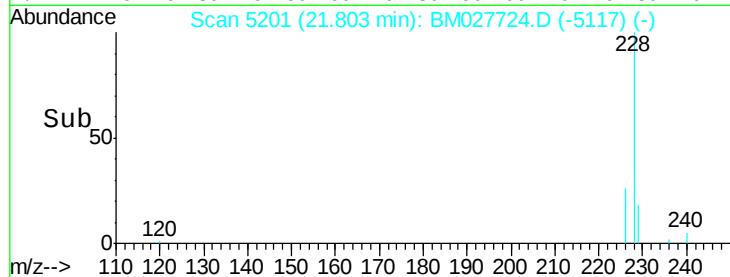
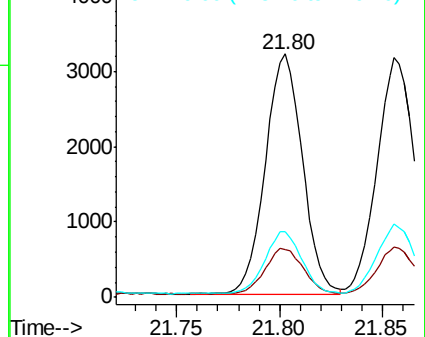
228 100

229 19.7 17.0 25.4

226 26.9 22.0 33.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#22

Chrysene

Concen: 0.735 ng/ul

RT: 21.86 min Scan# 5223

Delta R.T. 0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

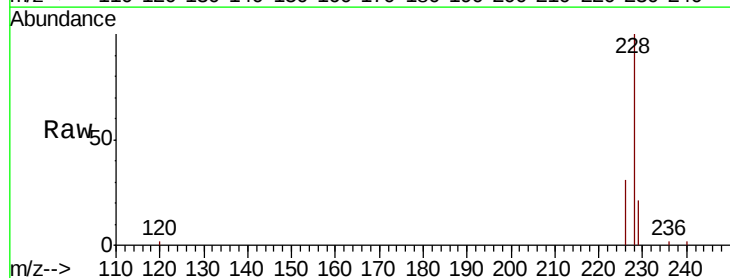
Tgt Ion:228 Resp: 4018

Ion Ratio Lower Upper

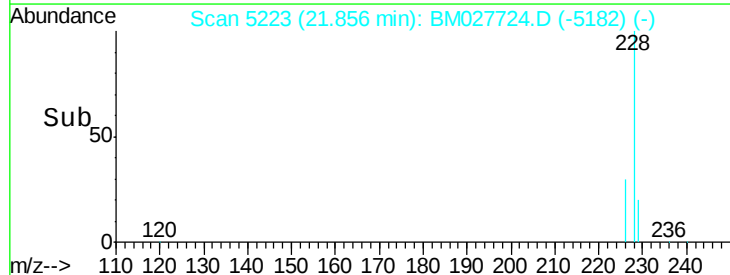
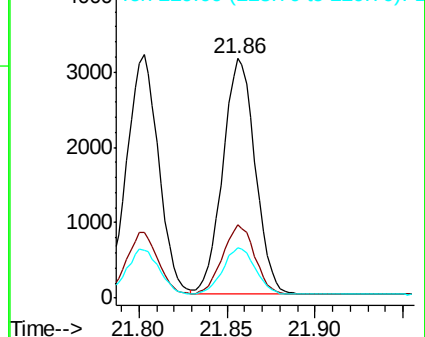
228 100

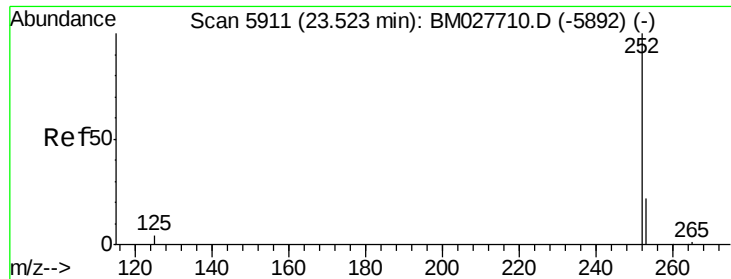
226 30.6 24.0 36.0

229 21.2 16.9 25.3



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





#24

Benzo(b)fluoranthene

Concen: 0.739 ng/u1

RT: 23.52 min Scan# 5910

Delta R.T. 0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

Instrument :

BNA_M

ClientSampleId :

SP5331

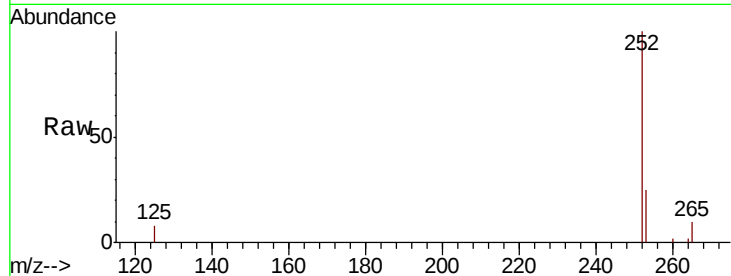
Tot Ion:252 Resp: 4026

Ion Ratio Lower Upper

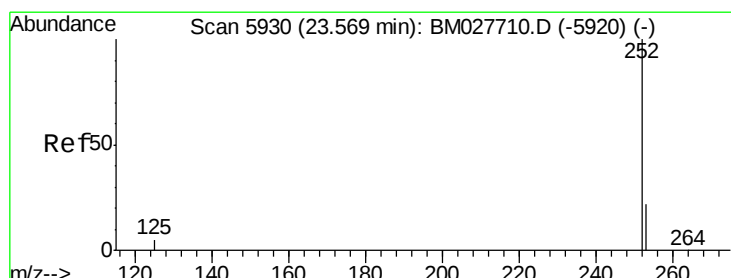
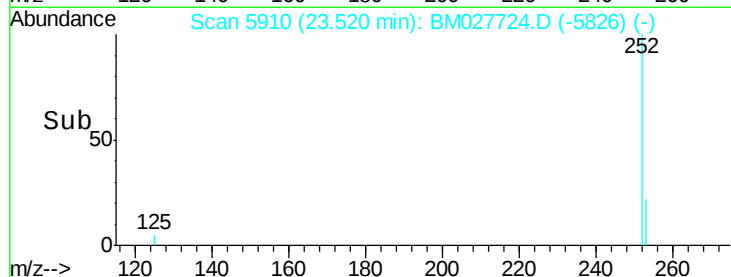
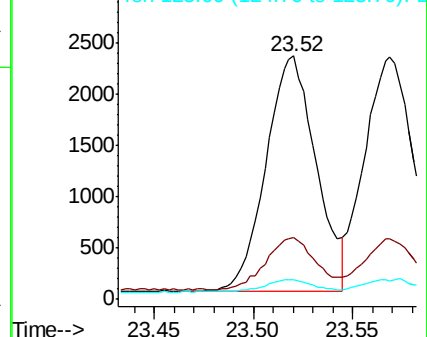
252 100

253 25.4 0.0 53.0

125 7.9 0.0 17.6



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



#25

Benzo(k)fluoranthene

Concen: 0.726 ng/u1

RT: 23.57 min Scan# 5930

Delta R.T. 0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

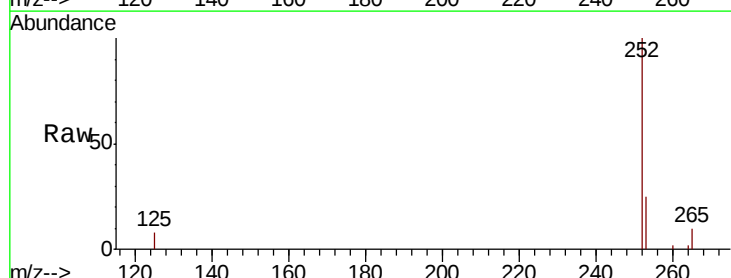
Tgt Ion:252 Resp: 3944

Ion Ratio Lower Upper

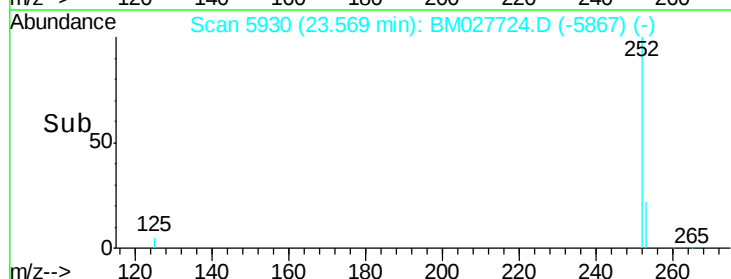
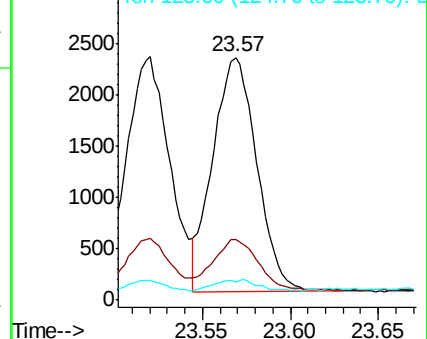
252 100

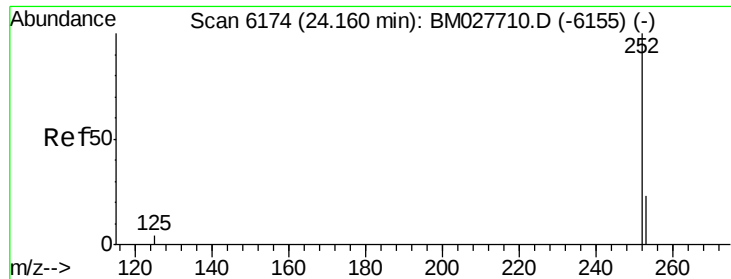
253 25.1 21.4 32.2

125 7.8 7.4 11.0



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





#26

Benzo(a)pyrene

Concen: 0.733 ng/ul

RT: 24.16 min Scan# 6174

Delta R.T. 0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

Instrument :

BNA_M

ClientSampleId :

SP5331

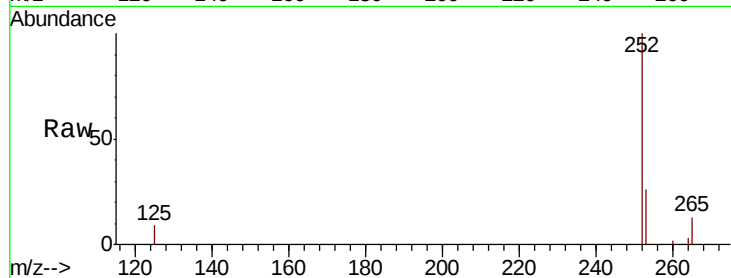
Tot Ion:252 Resp: 3616

Ion Ratio Lower Upper

252 100

253 25.7 22.3 33.5

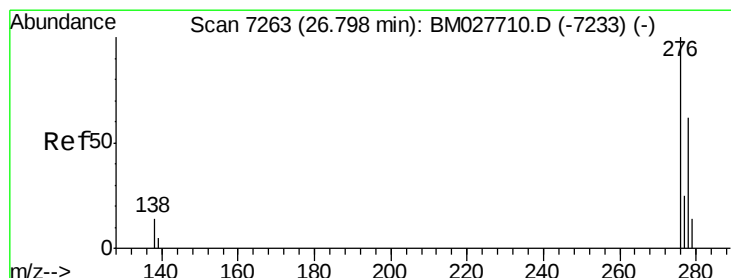
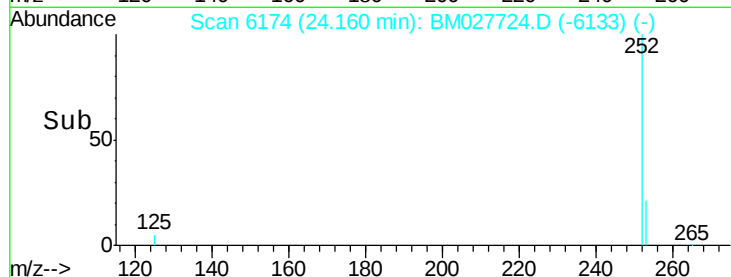
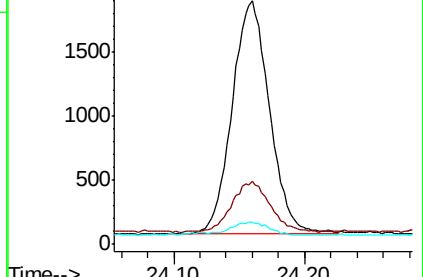
125 9.0 8.8 13.2



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.774 ng/ul

RT: 26.80 min Scan# 7264

Delta R.T. 0.00 min

Lab File: BM027724.D

Acq: 05 Nov 2020 18:39

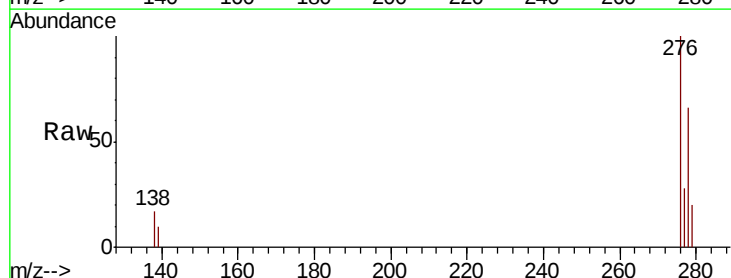
Tgt Ion:276 Resp: 4492

Ion Ratio Lower Upper

276 100

138 14.2 11.0 16.6

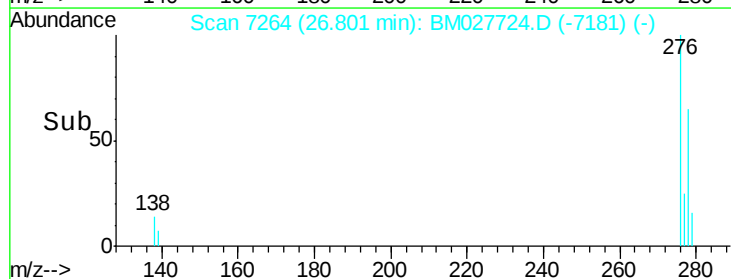
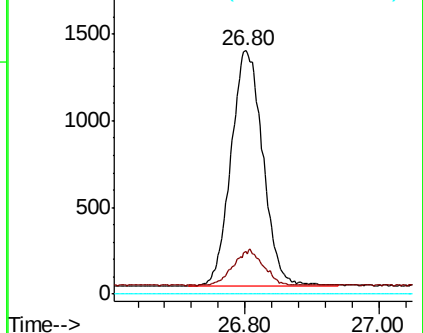
227 0.0 0.0 0.0

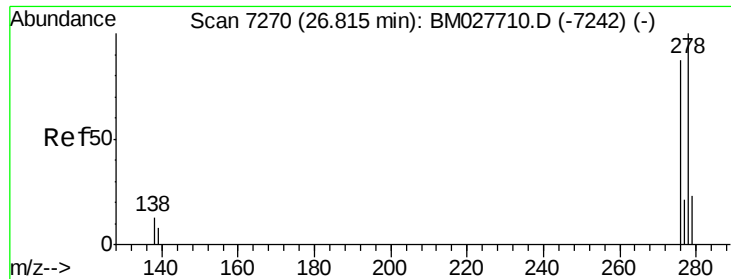


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



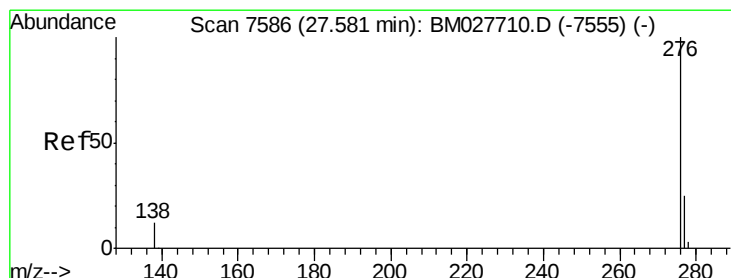
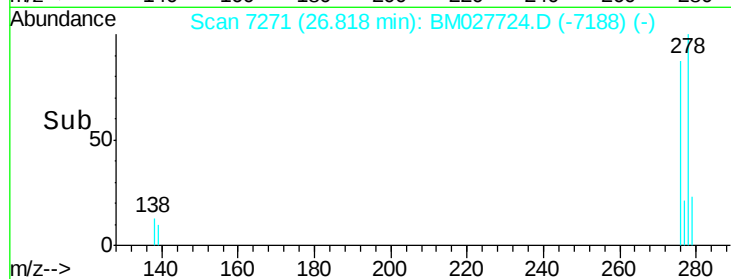
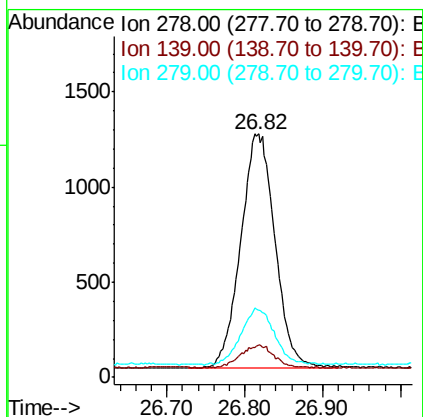
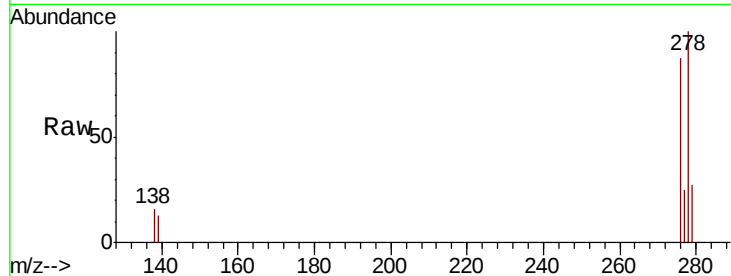


#28
Dibenzo(a,h)anthracene
Concen: 0.782 ng/ul
RT: 26.82 min Scan# 7271
Delta R.T. 0.00 min
Lab File: BM027724.D
Acq: 05 Nov 2020 18:39

Instrument :
BNA_M
ClientSampleId :
SP5331

Tot Ion:278 Resp: 3775

Ion	Ratio	Lower	Upper
278	100		
139	13.4	12.6	18.8
279	27.4	24.3	36.5



#29
Benzo(g,h,i)perylene
Concen: 0.788 ng/ul
RT: 27.58 min Scan# 7585
Delta R.T. -0.01 min
Lab File: BM027724.D
Acq: 05 Nov 2020 18:39

Tgt Ion:276 Resp: 3852

Ion	Ratio	Lower	Upper
276	100		
138	15.4	15.0	22.4
277	27.0	24.2	36.2

