

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032421\
 Data File : BM029204.D
 Acq On : 24 Mar 2021 11:40
 Operator : CG/JU
 Sample : M1344-04
 Misc : SFAM-SIM-MDL-S-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT2-2021-04

Quant Time: Mar 24 12:22:35 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 24 10:09:05 2021
 Response via : Initial Calibration

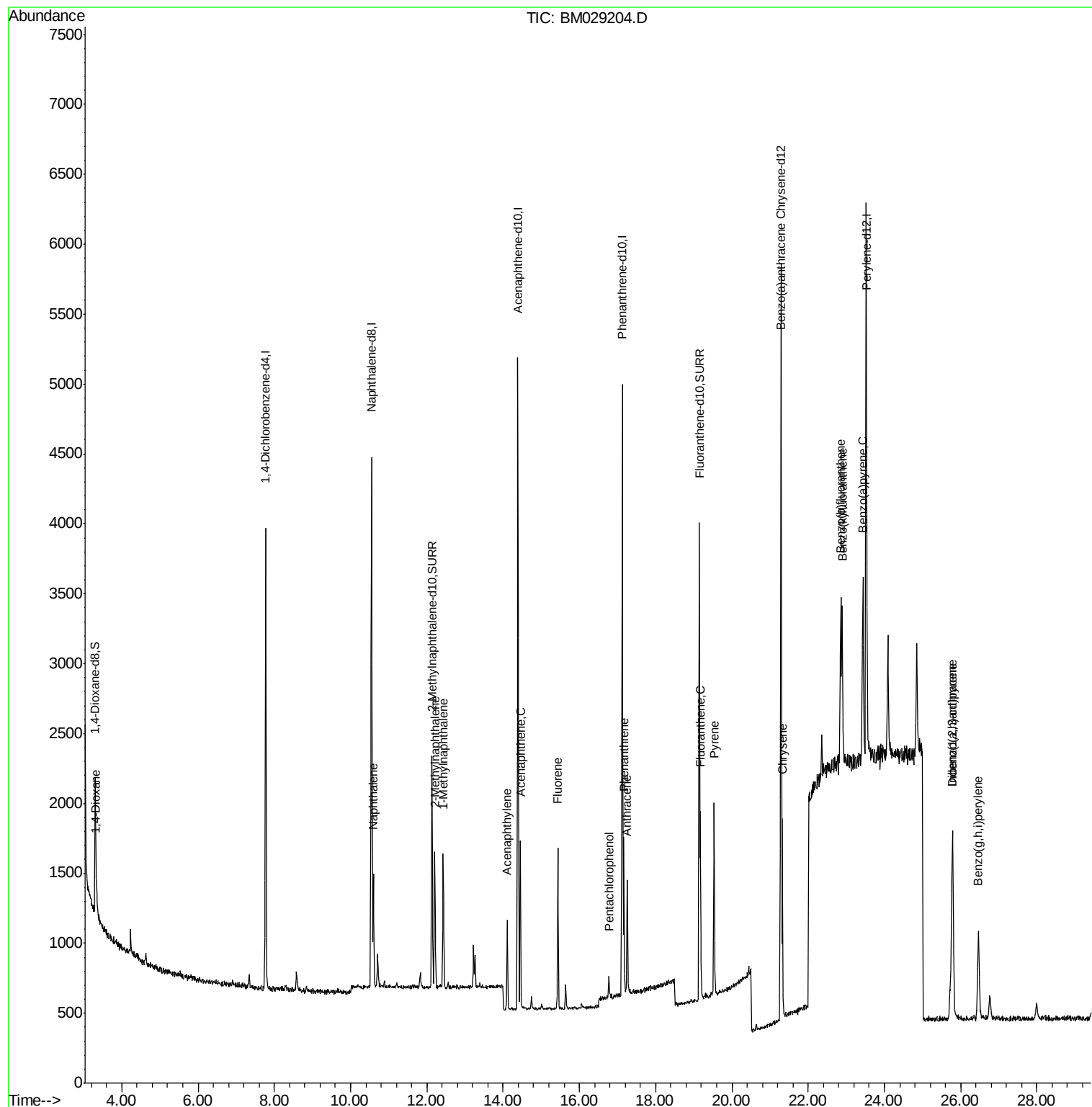
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	1646	0.40	ng/ul	0.00
4) Naphthalene-d8	10.55	136	5141	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.39	164	2573	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.12	188	5050	0.40	ng/ul	0.00
17) Chrysene-d12	21.29	240	4784	0.40	ng/ul	0.00
23) Perylene-d12	23.52	264	5287	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	761	0.55	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.14	152	2173	0.29	ng/ul	0.00
18) Fluoranthene-d10	19.14	212	3710	0.30	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.33	88	126	0.081	ng/ul#	77
5) Naphthalene	10.60	128	1087	0.072	ng/ul#	88
7) 2-Methylnaphthalene	12.21	142	702	0.071	ng/ul	99
8) 1-Methylnaphthalene	12.43	142	637	0.067	ng/ul	99
10) Acenaphthylene	14.11	152	752	0.067	ng/ul#	86
11) Acenaphthene	14.45	153	675	0.069	ng/ul	96
12) Fluorene	15.44	166	696	0.064	ng/ul#	95
14) Pentachlorophenol	16.77	266	111	0.082	ng/ul	94
15) Phenanthrene	17.16	178	1183	0.073	ng/ul#	90
16) Anthracene	17.26	178	939	0.068	ng/ul#	80
19) Fluoranthene	19.17	202	1183	0.073	ng/ul#	86
20) Pyrene	19.53	202	1185	0.073	ng/ul#	86
21) Benzo(a)anthracene	21.27	228	993	0.070	ng/ul	93
22) Chrysene	21.32	228	1155	0.071	ng/ul	93
24) Benzo(b)fluoranthene	22.85	252	1365	0.071	ng/ul#	46
25) Benzo(k)fluoranthene	22.89	252	1372	0.069	ng/ul#	56
26) Benzo(a)pyrene	23.43	252	1143	0.073	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.77	276	1624	0.066	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.79	278	1355	0.066	ng/ul#	67
29) Benzo(g,h,i)perylene	26.46	276	1295	0.066	ng/ul#	78

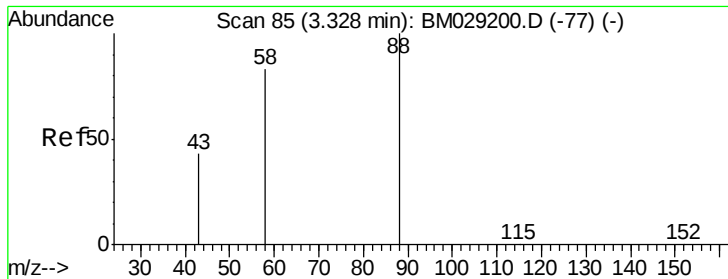
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.081 ng/ul

RT: 3.33 min Scan# 87

Delta R.T. 0.01 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2021-04

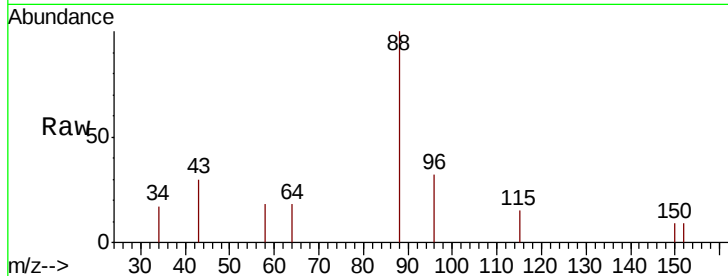
Tot Ion: 88 Resp: 126

Ion Ratio Lower Upper

88 100

43 30.0 26.1 39.1

58 18.4 33.8 50.6#

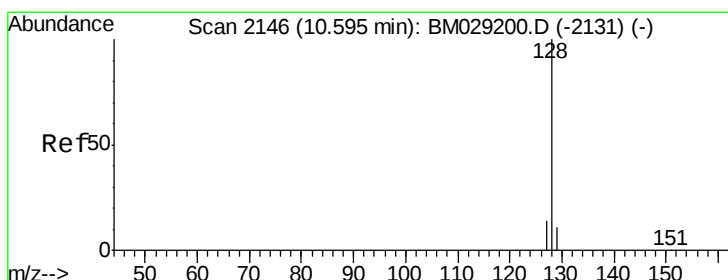
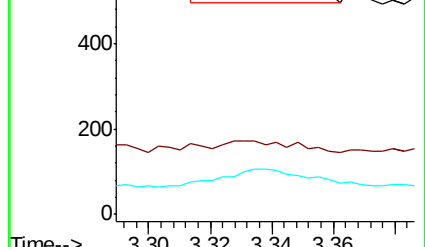
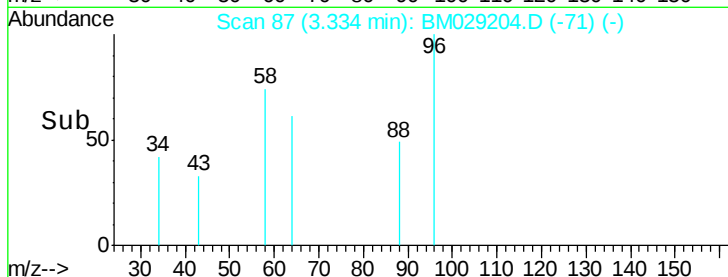


Abundance Ion 88.00 (87.70 to 88.70): BM029204.D (-71) (-)

Ion 43.00 (42.70 to 43.70): BM029204.D (-71) (-)

Ion 58.00 (57.70 to 58.70): BM029204.D (-71) (-)

Time-->



#5

Naphthalene

Concen: 0.072 ng/ul

RT: 10.60 min Scan# 2147

Delta R.T. 0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

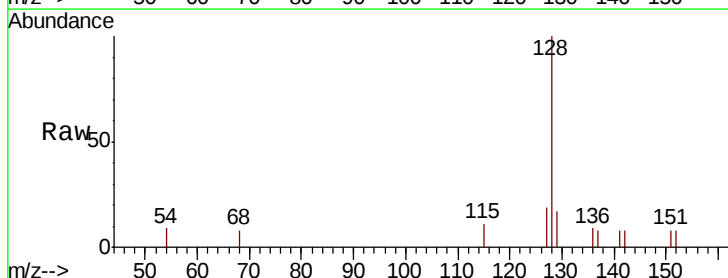
Tgt Ion: 128 Resp: 1087

Ion Ratio Lower Upper

128 100

129 17.5 9.5 14.3#

127 19.0 11.8 17.8#

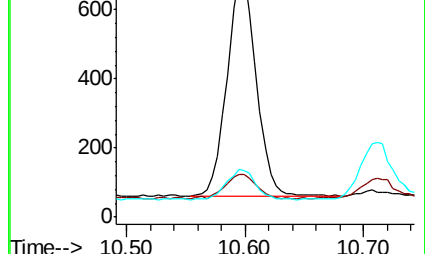
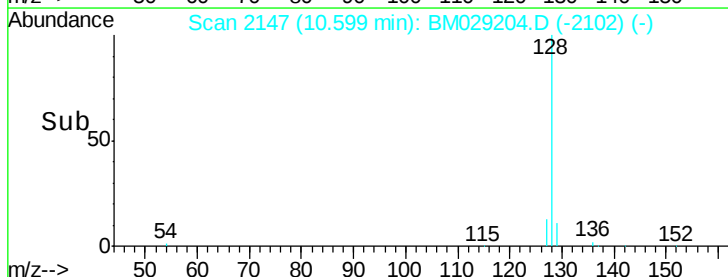


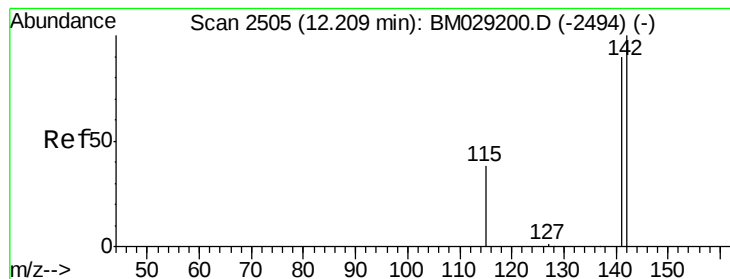
Abundance Ion 128.00 (127.70 to 128.70): BM029204.D (-2102) (-)

Ion 129.00 (128.70 to 129.70): BM029204.D (-2102) (-)

Ion 127.00 (126.70 to 127.70): BM029204.D (-2102) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.071 ng/ul

RT: 12.21 min Scan# 2505

Delta R.T. -0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

Instrument :

BNA_M

ClientSampleId :

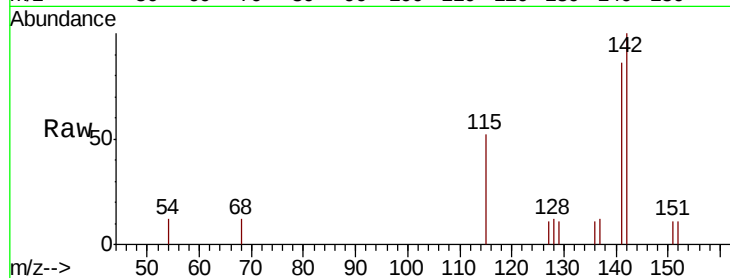
MDL-SOIL-QT2-2021-04

Tot Ion:142 Resp: 702

Ion Ratio Lower Upper

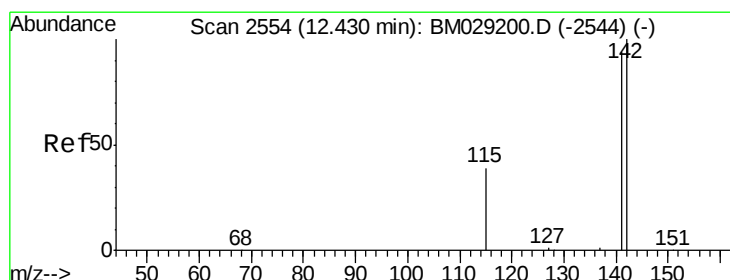
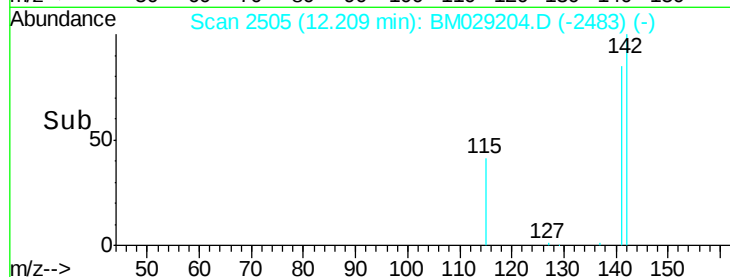
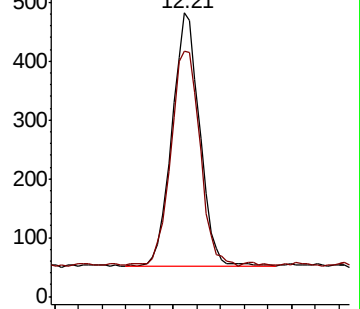
142 100

141 88.6 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.067 ng/ul

RT: 12.43 min Scan# 2554

Delta R.T. -0.00 min

Lab File: BM029204.D

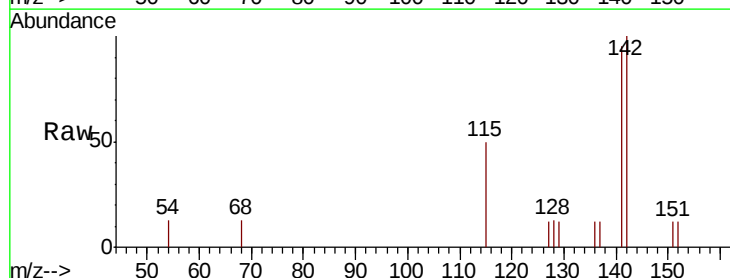
Acq: 24 Mar 2021 11:40

Tgt Ion:142 Resp: 637

Ion Ratio Lower Upper

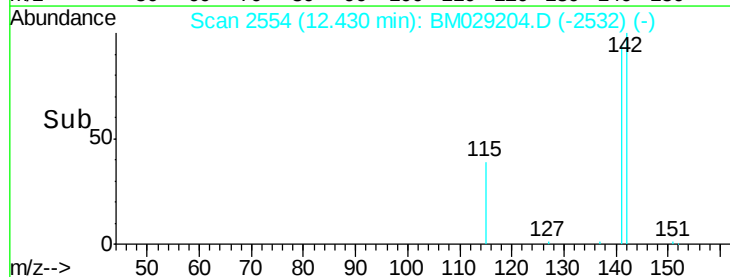
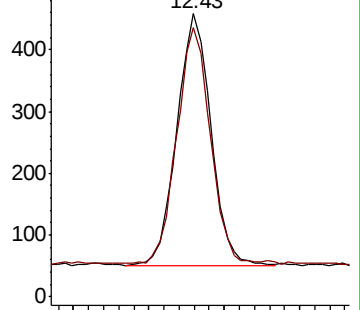
142 100

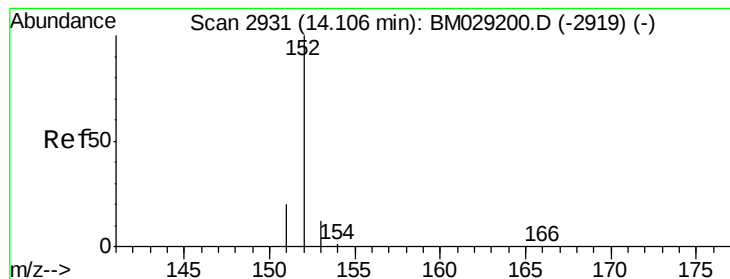
141 93.2 74.0 111.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.067 ng/ul

RT: 14.11 min Scan# 2932

Delta R.T. 0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2021-04

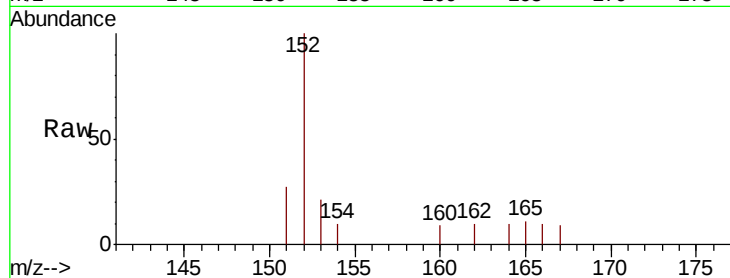
Tot Ion:152 Resp: 752

Ion Ratio Lower Upper

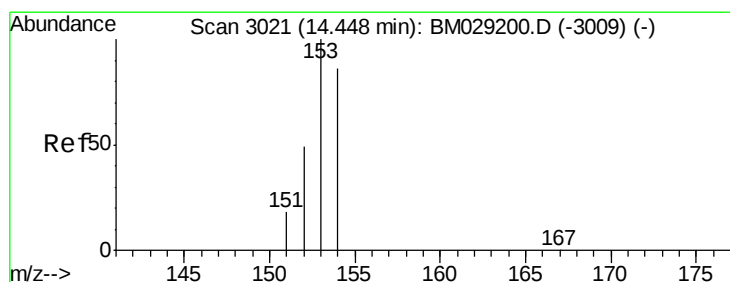
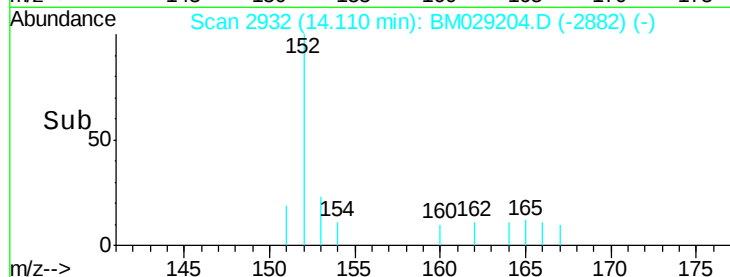
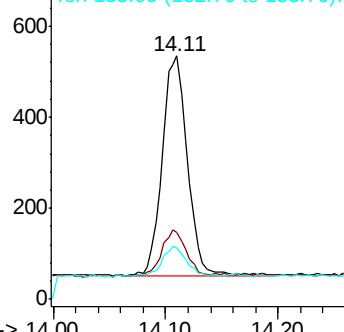
152 100

151 27.3 17.2 25.8#

153 21.1 11.1 16.7#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#11

Acenaphthene

Concen: 0.069 ng/ul

RT: 14.45 min Scan# 3022

Delta R.T. 0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

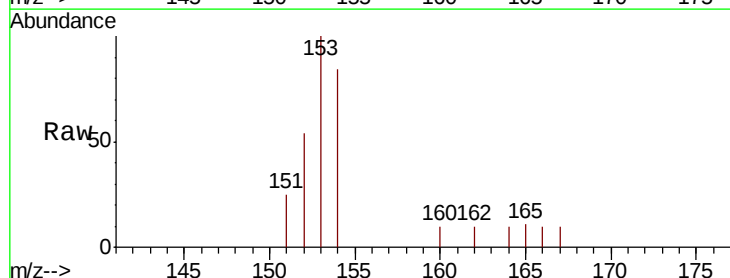
Tgt Ion:153 Resp: 675

Ion Ratio Lower Upper

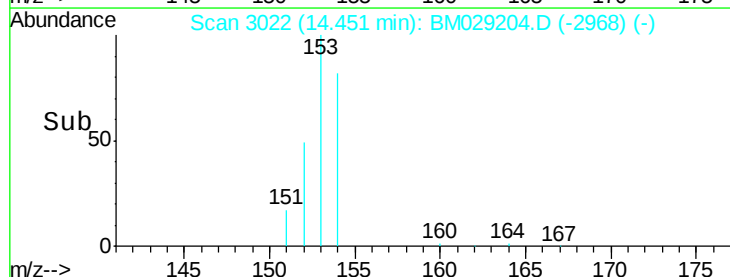
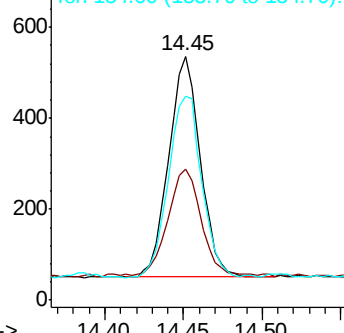
153 100

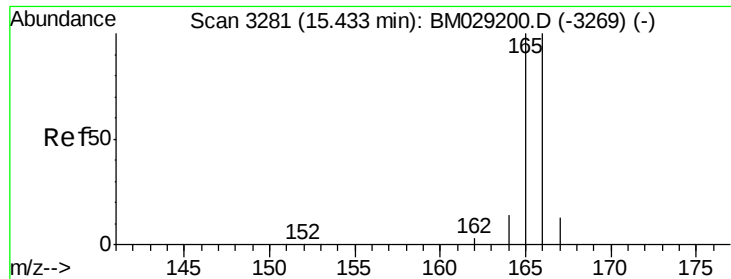
152 53.9 40.1 60.1

154 83.8 69.0 103.4



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.064 ng/ul

RT: 15.44 min Scan# 3282

Delta R.T. 0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

Instrument :

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ClientSampleId :

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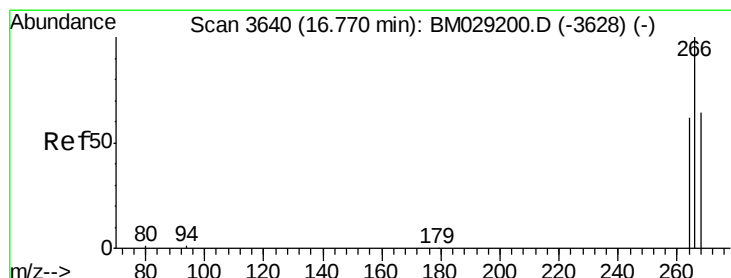
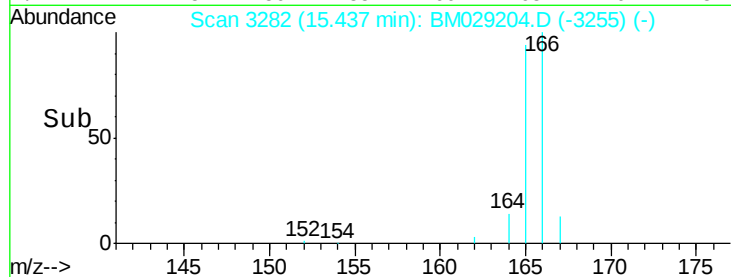
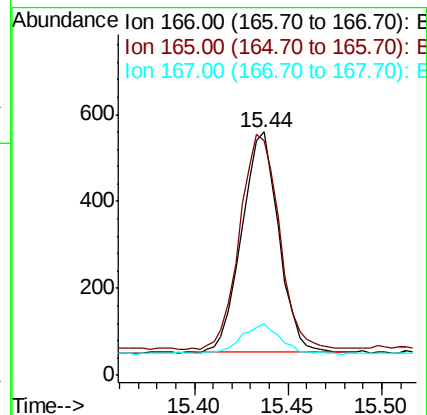
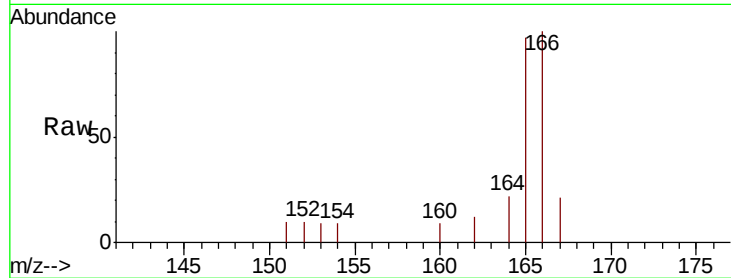
Tot Ion:166 Resp: 696

Ion Ratio Lower Upper

166 100

165 96.6 80.6 120.8

167 21.3 12.0 18.0#



#14

Pentachlorophenol

Concen: 0.082 ng/ul

RT: 16.77 min Scan# 3640

Delta R.T. -0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

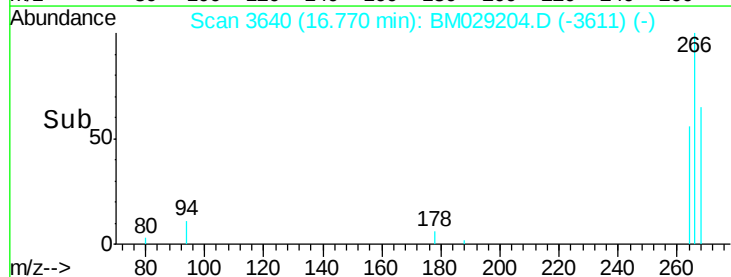
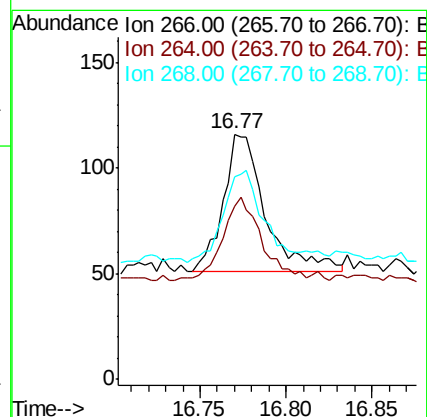
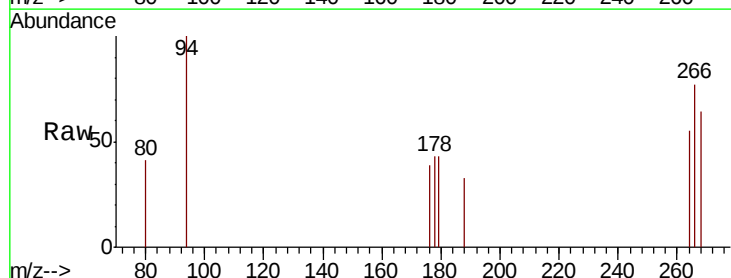
Tgt Ion:266 Resp: 111

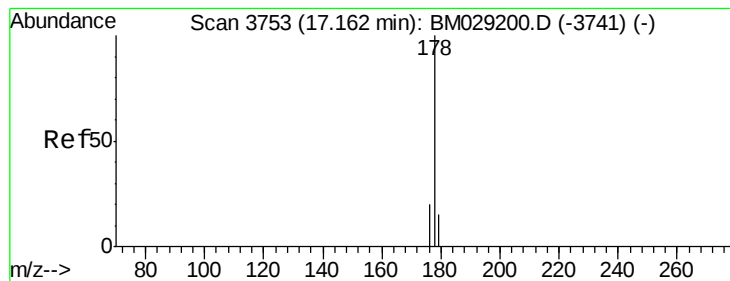
Ion Ratio Lower Upper

266 100

264 55.0 48.1 72.1

268 68.5 51.8 77.6





#15

Phenanthrene

Concen: 0.073 ng/ul

RT: 17.16 min Scan# 3753

Delta R.T. -0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

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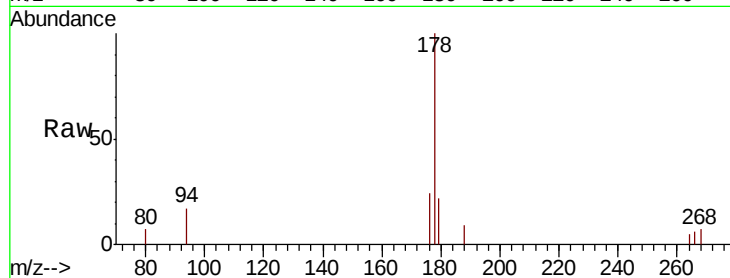
Tot Ion:178 Resp: 1183

Ion Ratio Lower Upper

178 100

179 21.9 12.9 19.3#

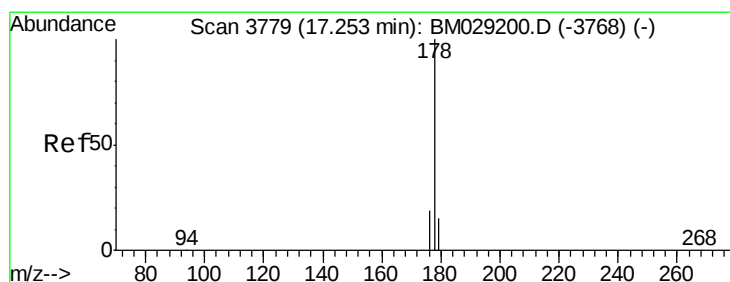
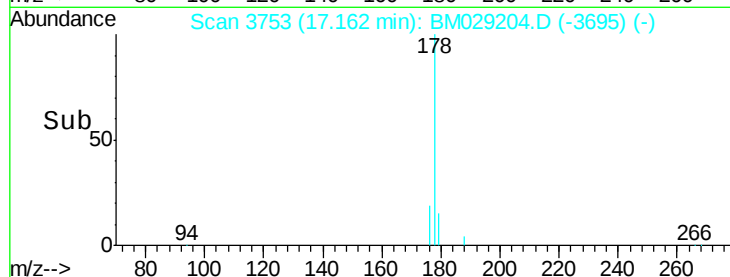
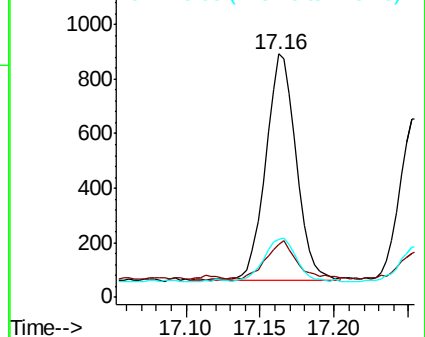
176 23.7 16.5 24.7



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: 0.068 ng/ul

RT: 17.26 min Scan# 3780

Delta R.T. 0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

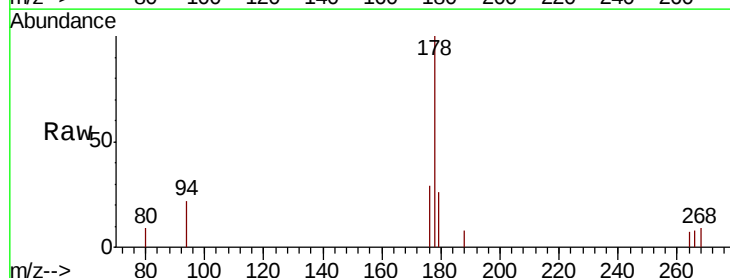
Tgt Ion:178 Resp: 939

Ion Ratio Lower Upper

178 100

179 25.9 13.1 19.7#

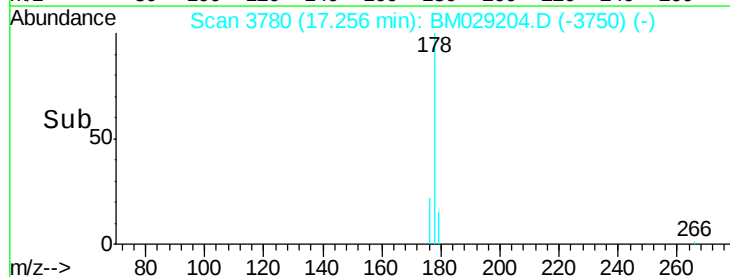
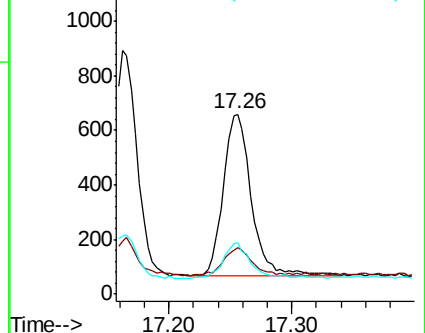
176 28.7 16.2 24.2#

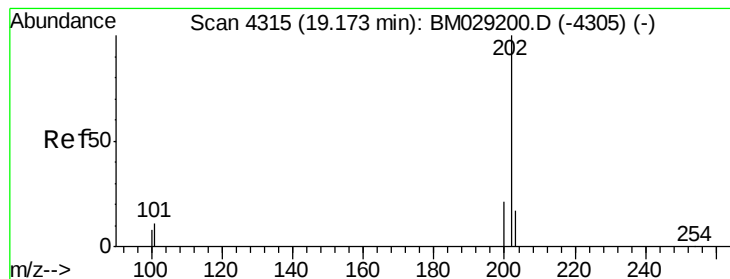


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.073 ng/ul

RT: 19.17 min Scan# 4315

Delta R.T. -0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

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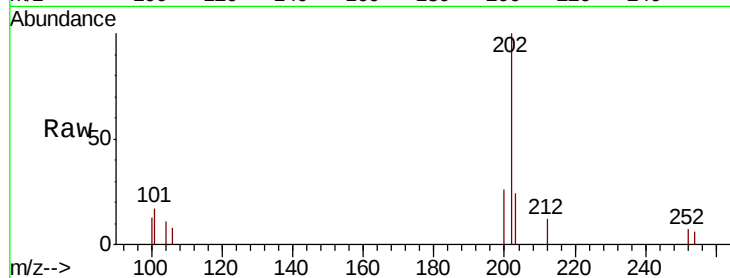
Tot Ion:202 Resp: 1183

Ion Ratio Lower Upper

202 100

101 16.8 8.7 13.1#

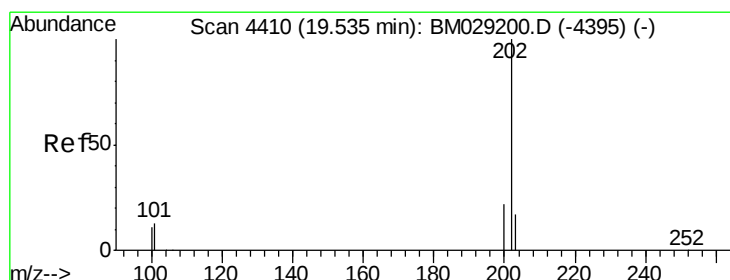
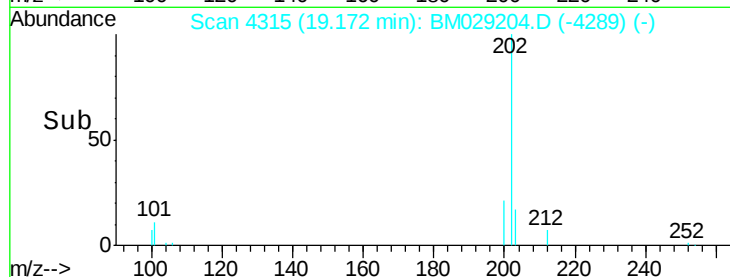
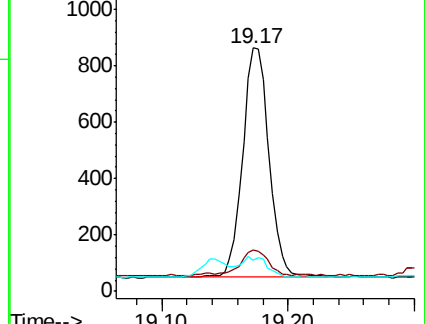
100 12.6 6.9 10.3#



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: 0.073 ng/ul

RT: 19.53 min Scan# 4410

Delta R.T. -0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

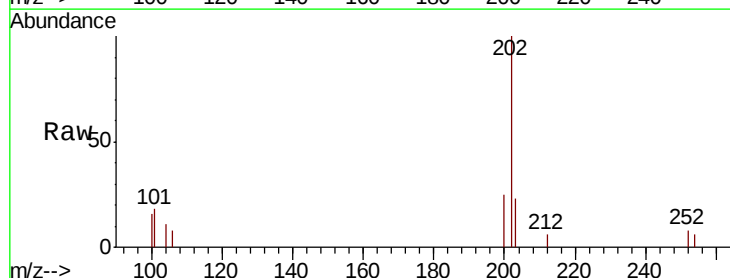
Tgt Ion:202 Resp: 1185

Ion Ratio Lower Upper

202 100

101 18.0 10.2 15.4#

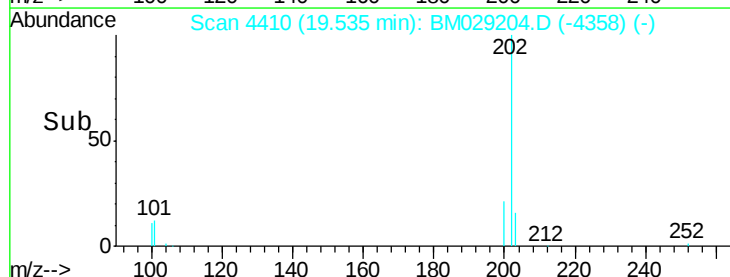
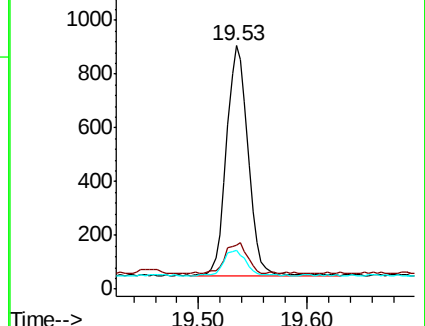
100 16.0 8.5 12.7#

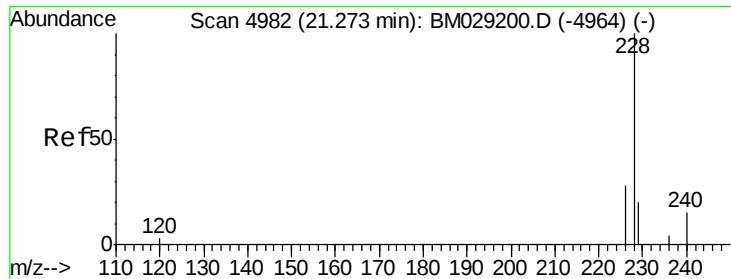


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.070 ng/ul

RT: 21.27 min Scan# 4982

Delta R.T. -0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

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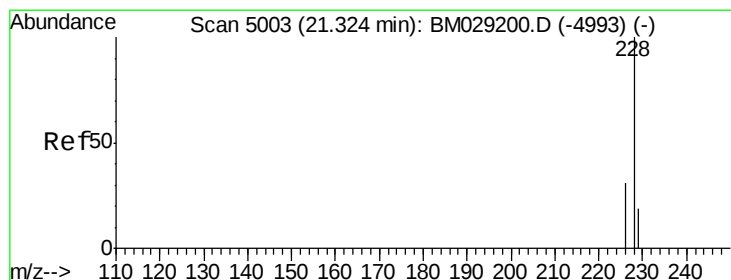
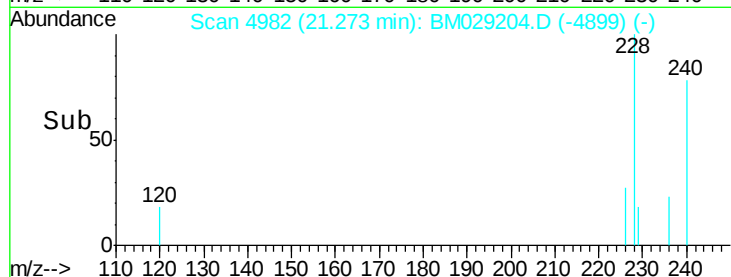
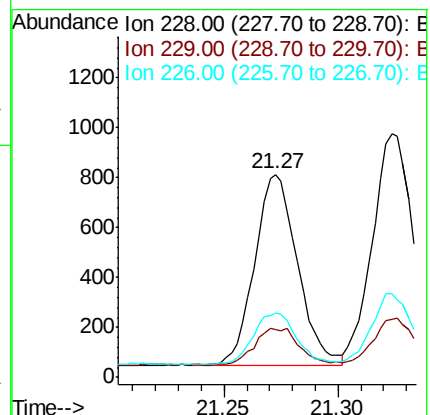
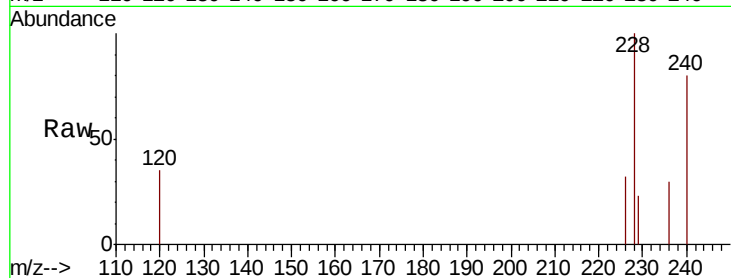
Tot Ion:228 Resp: 993

Ion Ratio Lower Upper

228 100

229 23.3 16.2 24.2

226 31.8 22.2 33.2



#22

Chrysene

Concen: 0.071 ng/ul

RT: 21.32 min Scan# 5003

Delta R.T. -0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

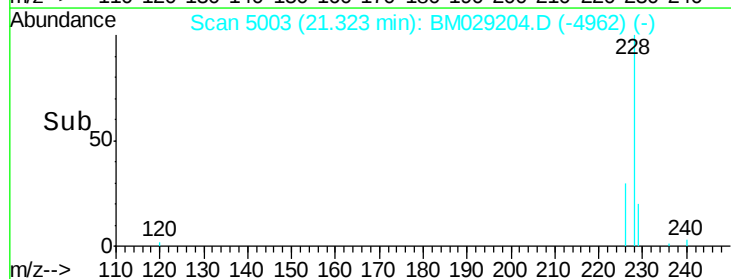
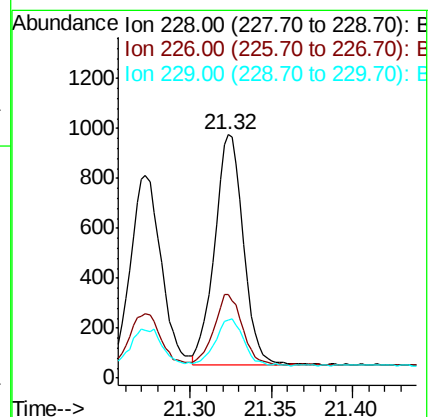
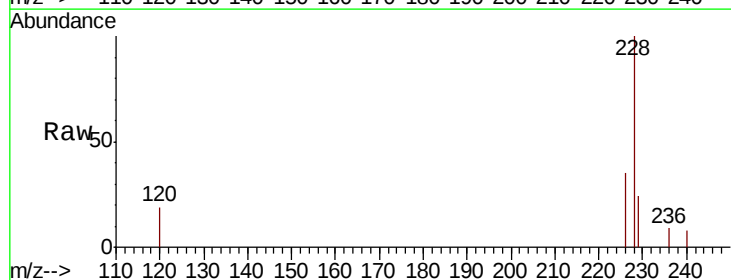
Tgt Ion:228 Resp: 1155

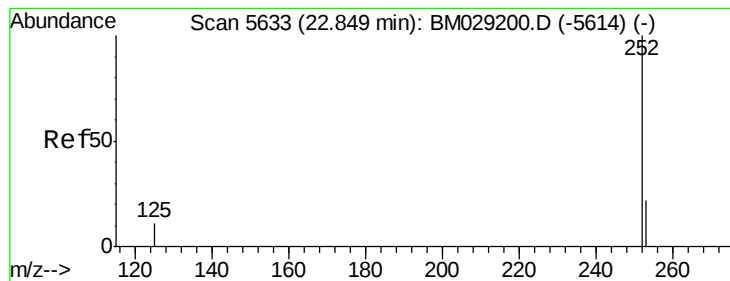
Ion Ratio Lower Upper

228 100

226 34.5 25.0 37.4

229 23.8 16.0 24.0





#24

Benzo(b)fluoranthene

Concen: 0.071 ng/ul

RT: 22.85 min Scan# 5633

Delta R.T. -0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2021-04

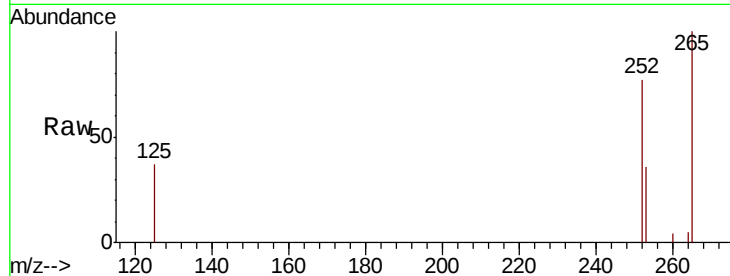
Tot Ion:252 Resp: 1365

Ion Ratio Lower Upper

252 100

253 47.1 0.0 52.4

125 47.7 0.0 31.0#

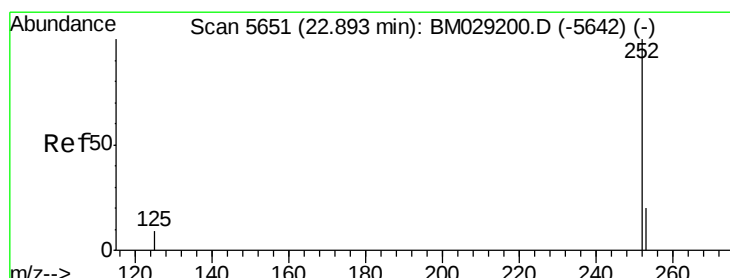
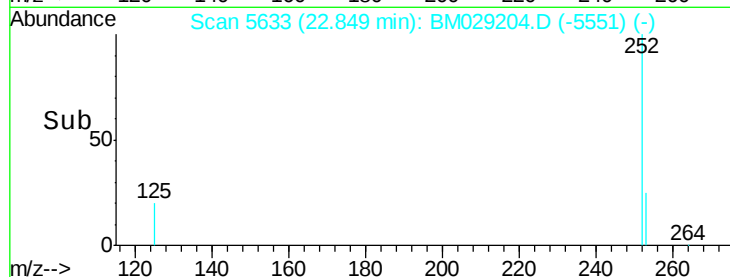
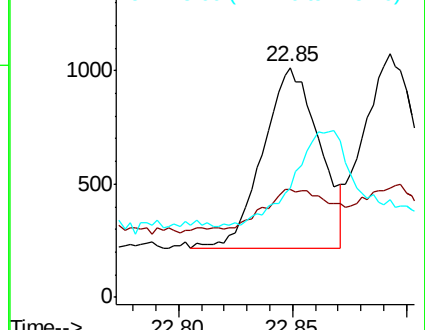


Abundance

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



#25

Benzo(k)fluoranthene

Concen: 0.069 ng/ul

RT: 22.89 min Scan# 5651

Delta R.T. -0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

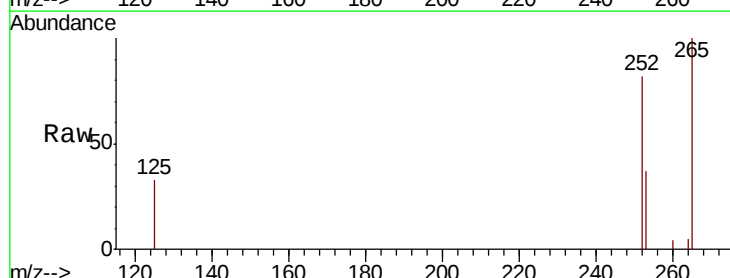
Tgt Ion:252 Resp: 1372

Ion Ratio Lower Upper

252 100

253 45.0 21.1 31.7#

125 39.9 12.6 19.0#

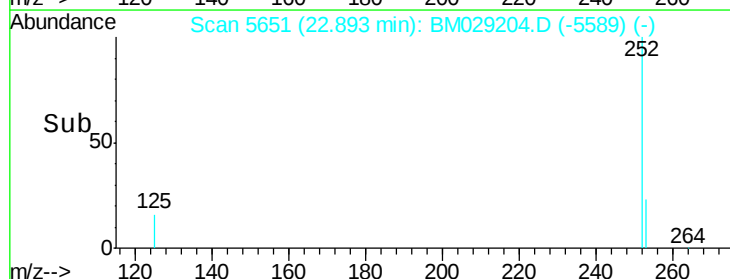
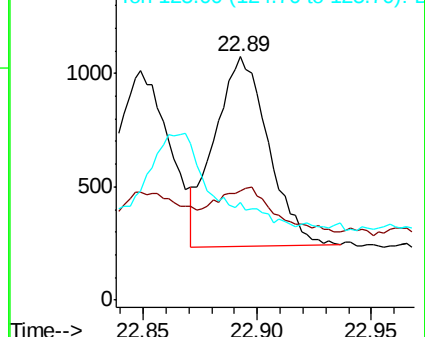


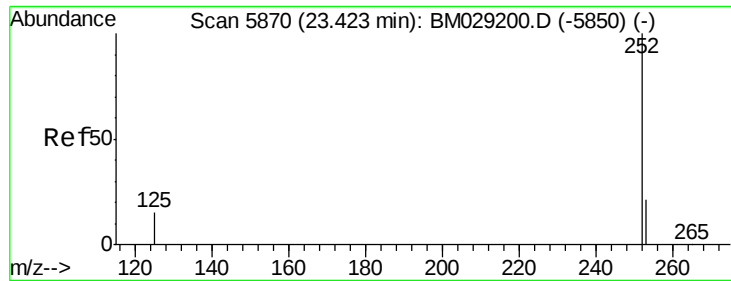
Abundance

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: 0.073 ng/ul

RT: 23.43 min Scan# 5871

Delta R.T. 0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2021-04

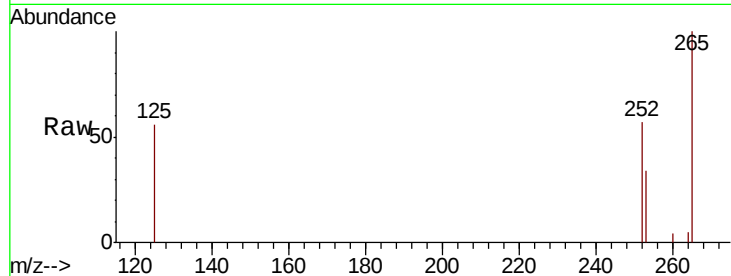
Tot Ion:252 Resp: 1143

Ion Ratio Lower Upper

252 100

253 58.8 22.6 33.8#

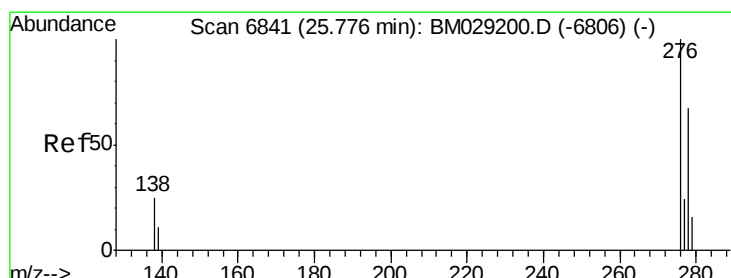
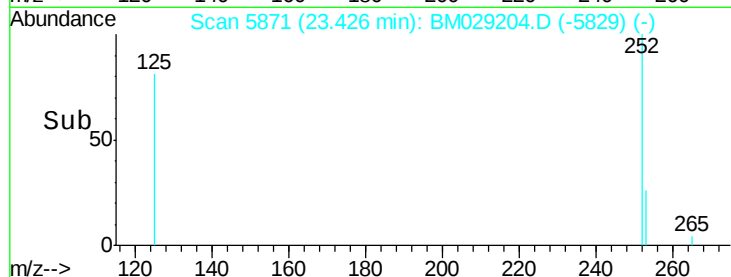
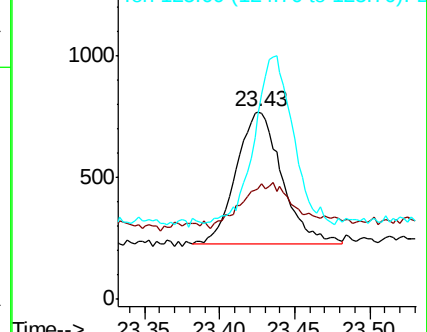
125 98.2 16.4 24.6#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.066 ng/ul

RT: 25.77 min Scan# 6840

Delta R.T. -0.00 min

Lab File: BM029204.D

Acq: 24 Mar 2021 11:40

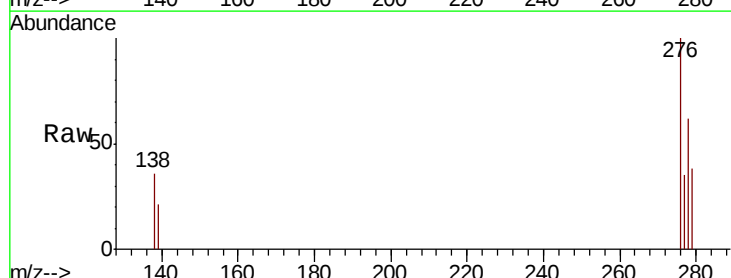
Tgt Ion:276 Resp: 1624

Ion Ratio Lower Upper

276 100

138 25.3 20.6 30.8

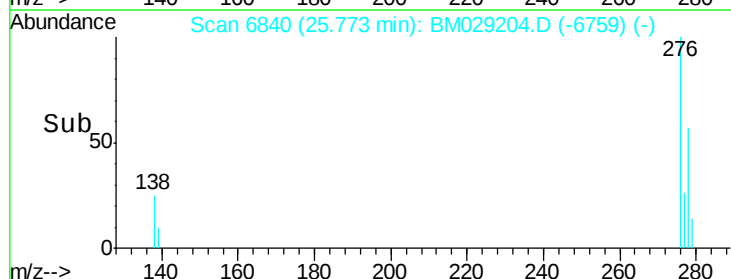
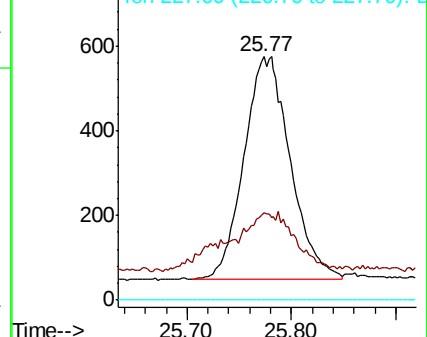
227 0.0 0.0 0.0

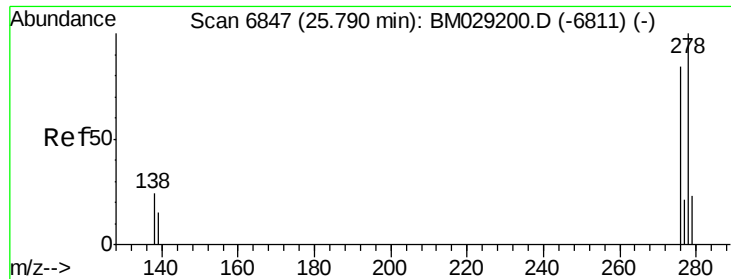


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

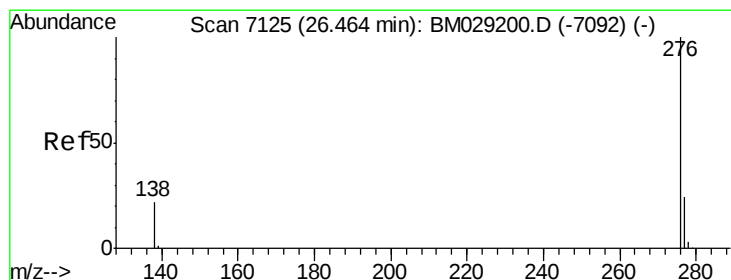
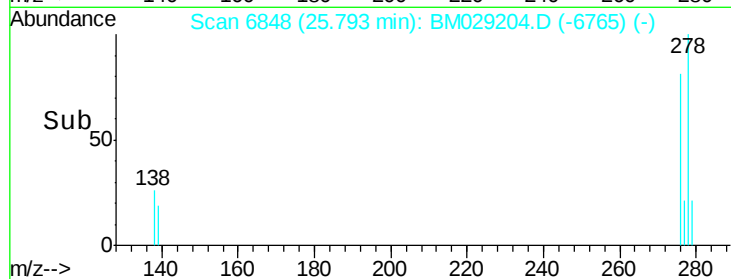
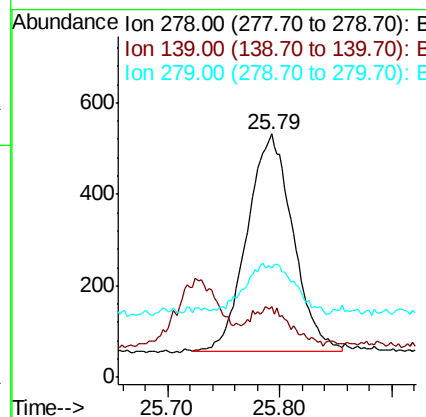
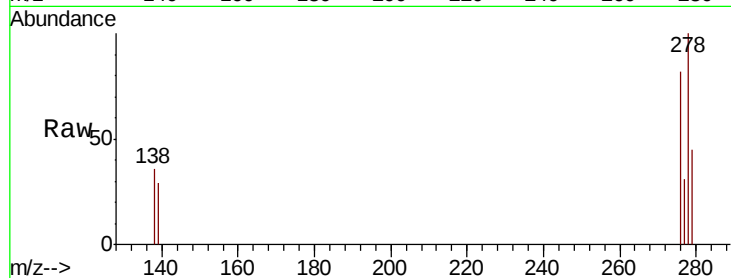




#28
Dibenzo(a,h)anthracene
Concen: 0.066 ng/ul
RT: 25.79 min Scan# 6848
Delta R.T. 0.00 min
Lab File: BM029204.D
Acq: 24 Mar 2021 11:40

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2021-04

Tot Ion:278 Resp: 1355
Ion Ratio Lower Upper
278 100
139 28.9 13.6 20.4#
279 45.1 21.2 31.8#



#29
Benzo(g,h,i)perylene
Concen: 0.066 ng/ul
RT: 26.46 min Scan# 7125
Delta R.T. -0.00 min
Lab File: BM029204.D
Acq: 24 Mar 2021 11:40

Tgt Ion:276 Resp: 1295
Ion Ratio Lower Upper
276 100
138 34.9 19.3 28.9#
277 36.0 19.8 29.8#

