

Data File : BM025149.D
Acq On : 29 Feb 2020 00:45
Operator : CG/JU
Sample : L1507-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD12

Quant Time: Feb 29 04:47:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 29 04:43:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	3290	0.40	ng/ul	0.00
2) Naphthalene-d8	10.45	136	12870	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	10132	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.06
16) Chrysene-d12	21.25	240	28224	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	32101	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.05	152	5498	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	13625	0.00	ng/ul	0.00

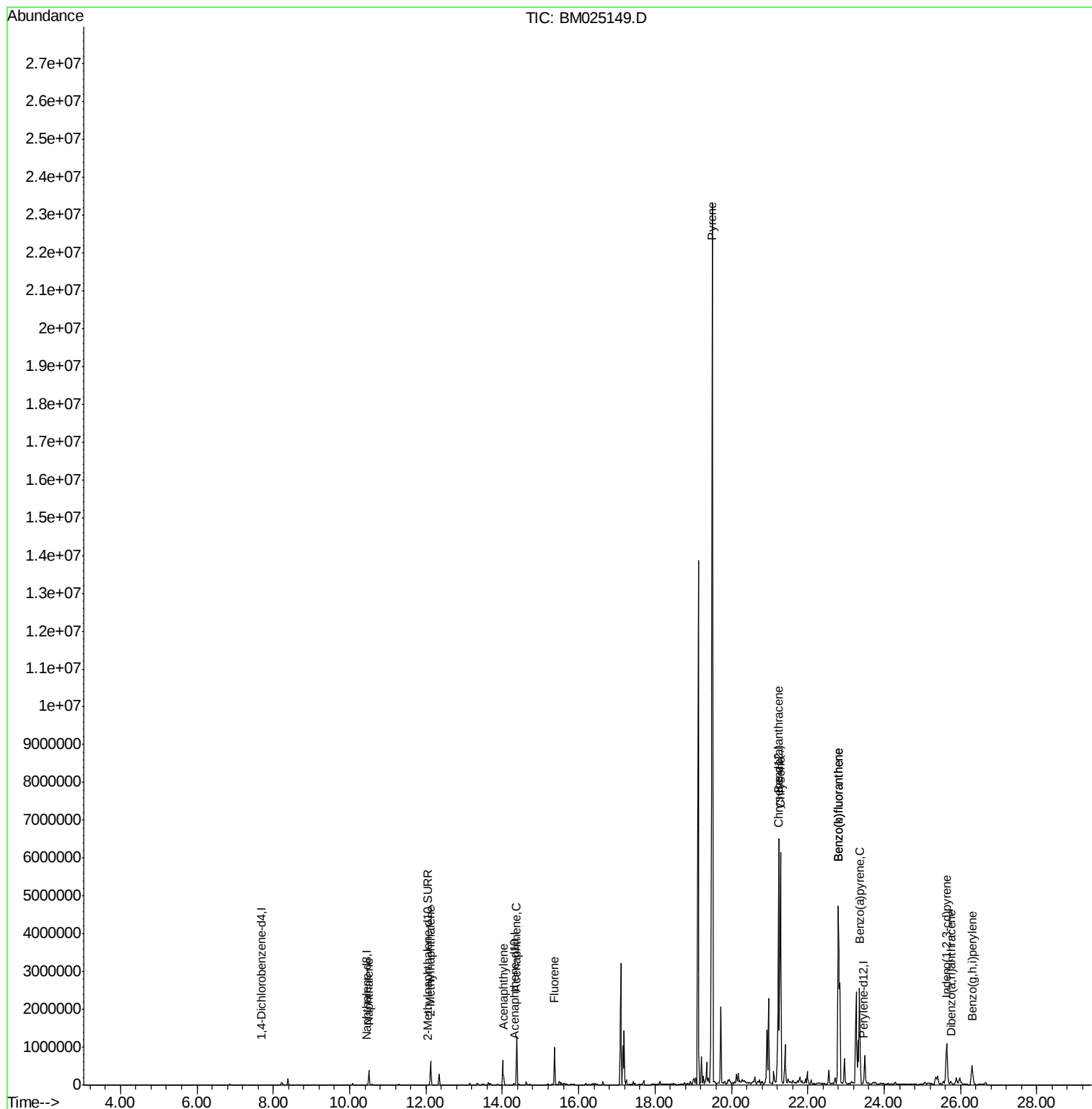
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.50	128	534176	13.635	ng/ul#	82
5) 2-Methylnaphthalene	12.12	142	416839	14.745	ng/ul	100
7) Acenaphthylene	14.03	152	329247	5.636	ng/ul	93
8) Acenaphthene	14.38	153	722760	18.415	ng/ul	97
9) Fluorene	15.36	166	621695	12.623	ng/ul#	96
17) Pyrene	19.49	202	19559732	153.800	ng/ul#	91
18) Benzo(a)anthracene	21.23	228	5644328	46.319	ng/ul	95
19) Chrysene	21.29	228	7171013	59.080	ng/ul	97
21) Benzo(b)fluoranthene	22.80	252	11083648	88.082	ng/ul	92
22) Benzo(k)fluoranthene	22.80	252	11083670	88.911	ng/ul#	93
23) Benzo(a)pyrene	23.36	252	3390341	29.510	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.64	276	1727261	12.000	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.74	278	136979	1.132	ng/ul	95
26) Benzo(g,h,i)perylene	26.30	276	1102504	9.089	ng/ul#	91

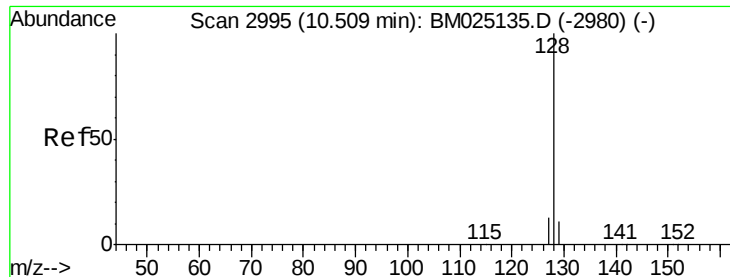
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 13.635 ng/ul

RT: 10.50 min Scan# 2993

Delta R.T. -0.01 min

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Acq: 29 Feb 2020 00:45

Instrument :

BNA_M

ClientSampleId :

DBD12

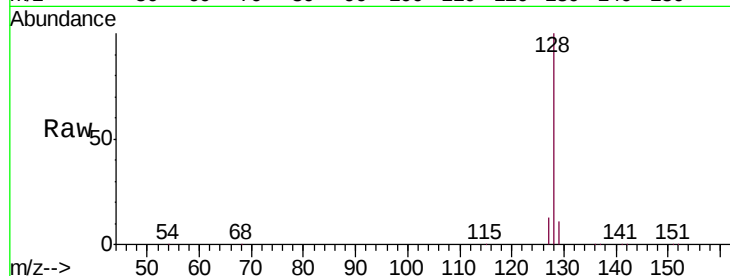
Tgt Ion:128 Resp: 534176

Ion Ratio Lower Upper

128 100

129 11.0 17.0 25.6#

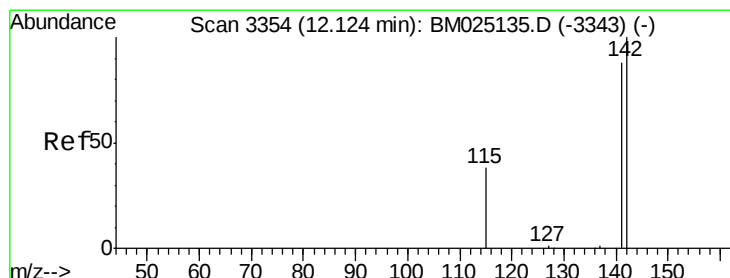
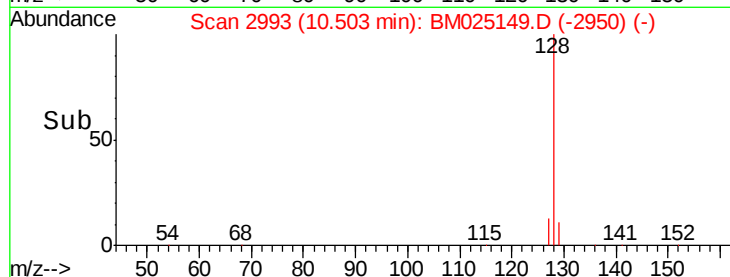
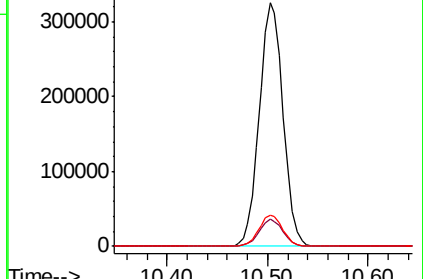
127 12.9 15.7 23.5#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 14.745 ng/ul

RT: 12.12 min Scan# 3353

Delta R.T. -0.00 min

Lab File: BM025149.D

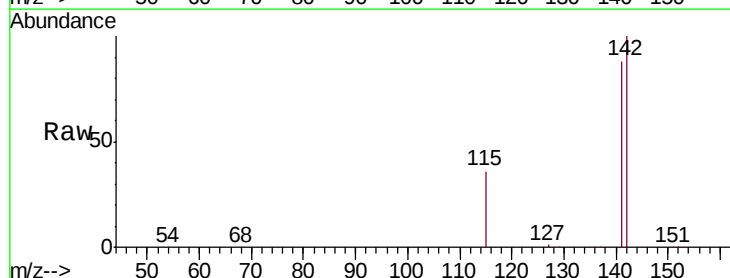
Acq: 29 Feb 2020 00:45

Tgt Ion:142 Resp: 416839

Ion Ratio Lower Upper

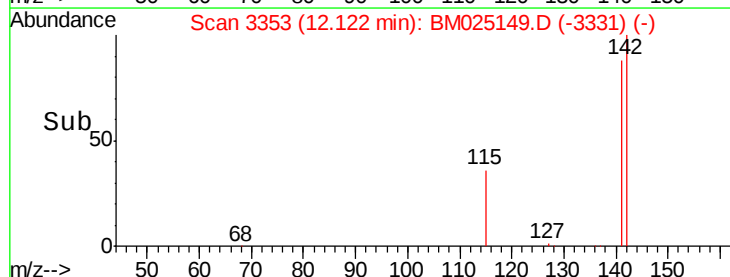
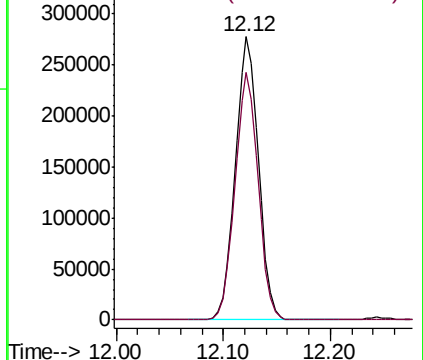
142 100

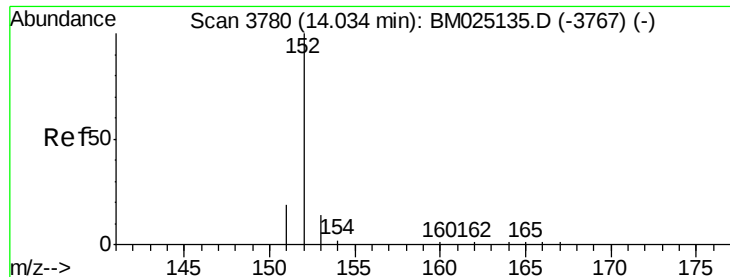
141 87.6 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 5.636 ng/ul

RT: 14.03 min Scan# 3778

Delta R.T. -0.01 min

Lab File: BM025149.D

Acq: 29 Feb 2020 00:45

Instrument :

BNA_M

ClientSampleId :

DBD12

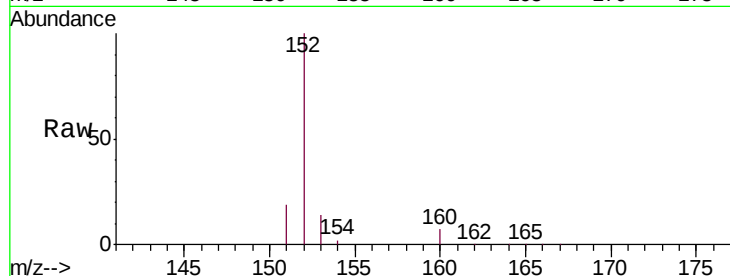
Tgt Ion:152 Resp: 329247

Ion Ratio Lower Upper

152 100

151 19.4 17.8 26.8

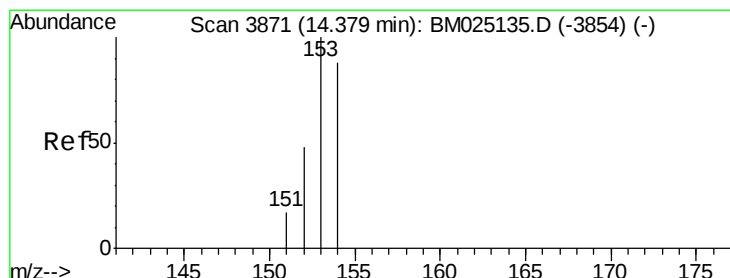
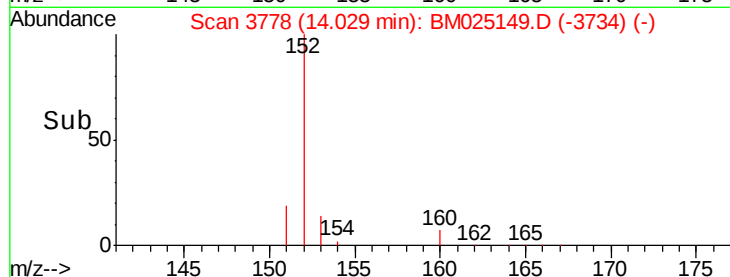
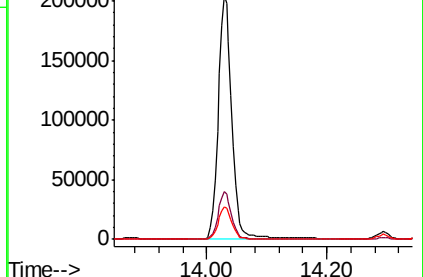
153 13.5 13.3 19.9



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



#8

Acenaphthene

Concen: 18.415 ng/ul

RT: 14.38 min Scan# 3870

Delta R.T. -0.00 min

Lab File: BM025149.D

Acq: 29 Feb 2020 00:45

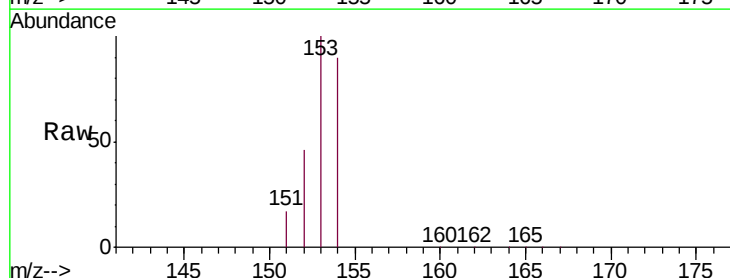
Tgt Ion:153 Resp: 722760

Ion Ratio Lower Upper

153 100

152 46.0 40.0 60.0

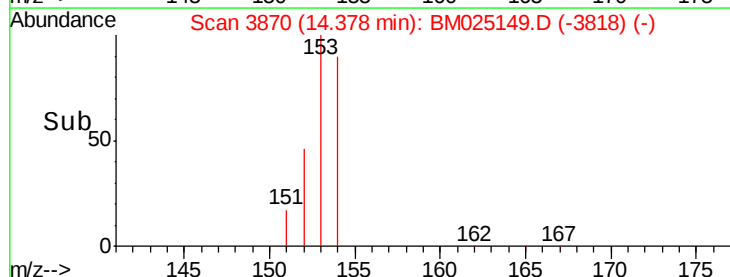
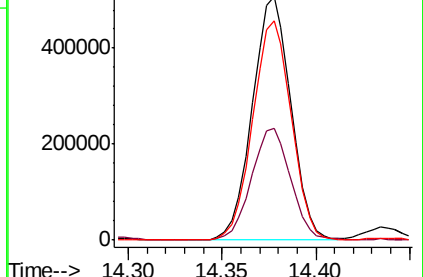
154 90.1 71.0 106.6

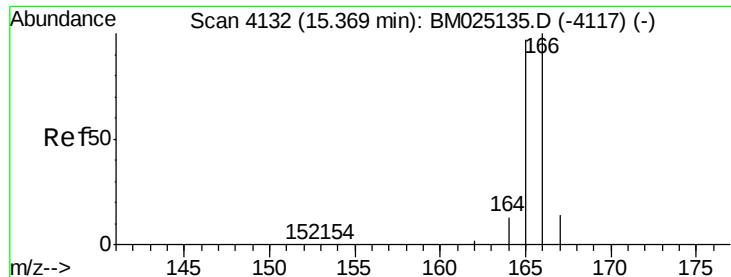


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 12.623 ng/ul

RT: 15.36 min Scan# 4130

Delta R.T. -0.01 min

Lab File: BM025149.D

Acq: 29 Feb 2020 00:45

Instrument :

BNA_M

ClientSampleId :

DBD12

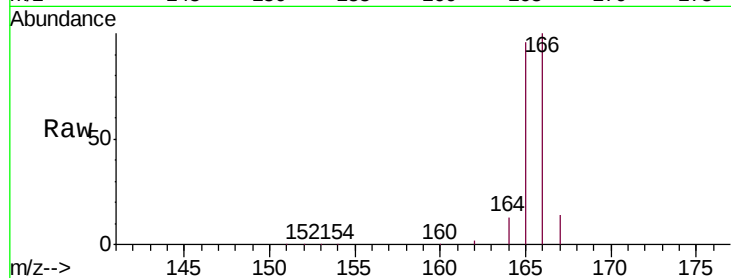
Tgt Ion:166 Resp: 621695

Ion Ratio Lower Upper

166 100

165 96.2 80.0 120.0

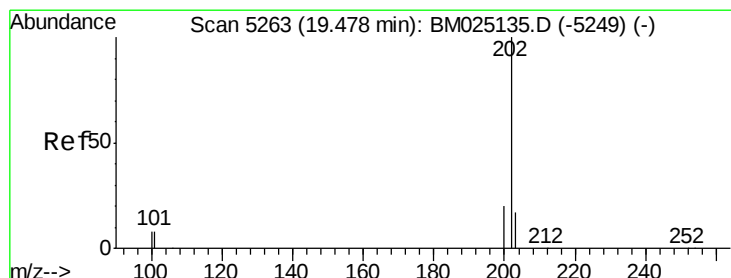
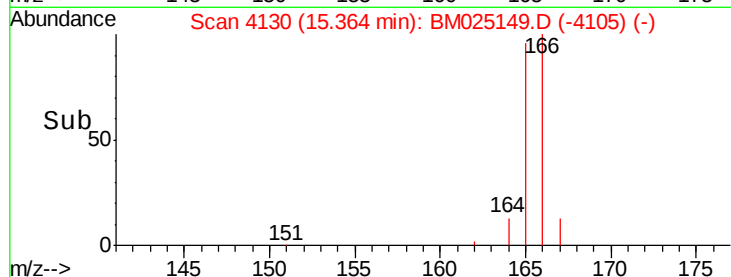
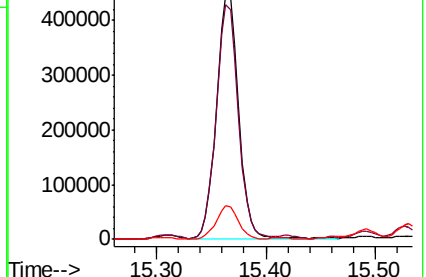
167 13.6 13.7 20.5#



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



#17

Pyrene

Concen: 153.800 ng/ul

RT: 19.49 min Scan# 5265

Delta R.T. 0.01 min

Lab File: BM025149.D

Acq: 29 Feb 2020 00:45

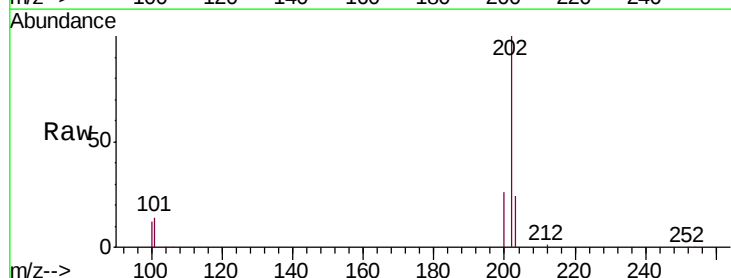
Tgt Ion:202 Resp:19559732

Ion Ratio Lower Upper

202 100

101 14.4 8.7 13.1#

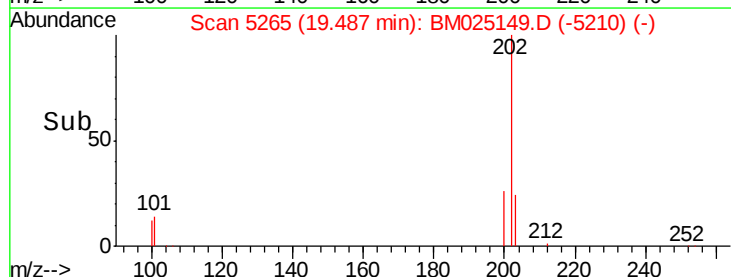
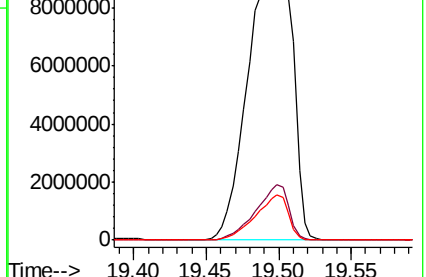
100 12.1 7.3 10.9#

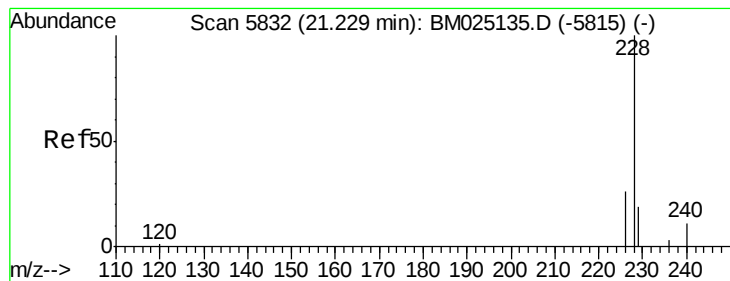


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#18

Benzo(a)anthracene

Concen: 46.319 ng/ul

RT: 21.23 min Scan# 5833

Delta R.T. 0.00 min

Lab File: BM025149.D

Acq: 29 Feb 2020 00:45

Instrument :

BNA_M

ClientSampleId :

DBD12

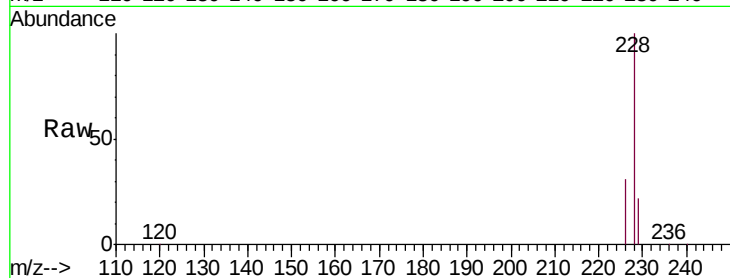
Tgt Ion:228 Resp: 5644328

Ion Ratio Lower Upper

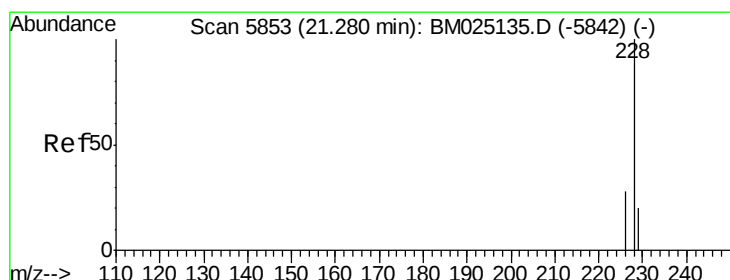
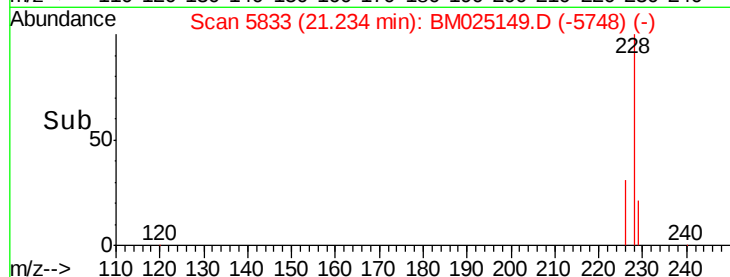
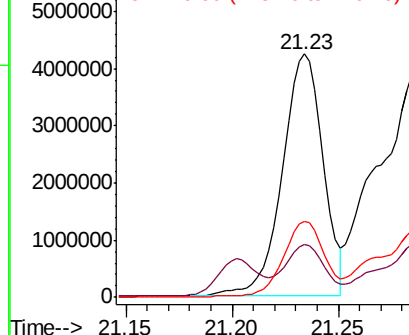
228 100

229 21.7 16.6 25.0

226 31.3 21.9 32.9



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



#19

Chrysene

Concen: 59.080 ng/ul

RT: 21.29 min Scan# 5855

Delta R.T. 0.01 min

Lab File: BM025149.D

Acq: 29 Feb 2020 00:45

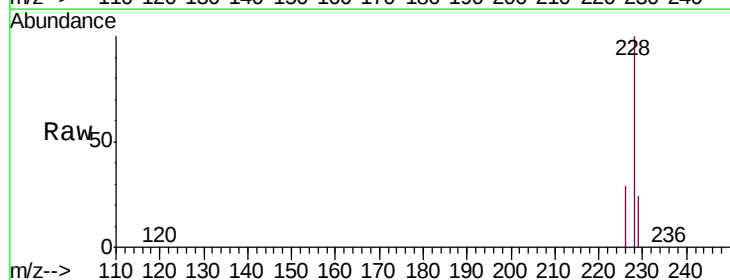
Tgt Ion:228 Resp: 7171013

Ion Ratio Lower Upper

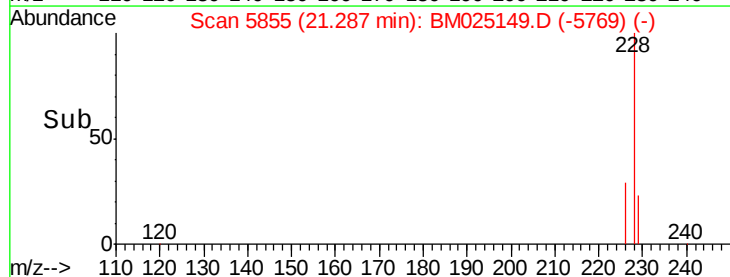
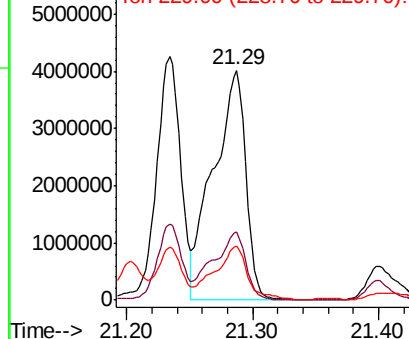
228 100

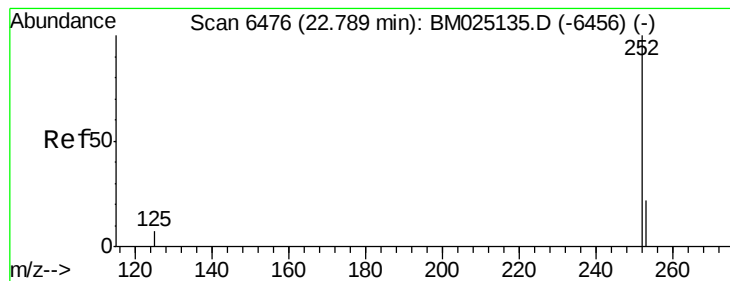
226 29.4 23.8 35.8

229 23.5 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





#21

Benzo(b)fluoranthene

Concen: 88.082 ng/u1

RT: 22.80 min Scan# 6481

Delta R.T. 0.01 min

Lab File: BM025149.D

Acq: 29 Feb 2020 00:45

Instrument :

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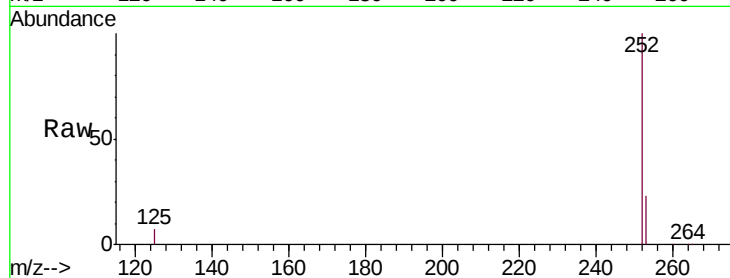
Tgt Ion:252 Resp:11083648

Ion Ratio Lower Upper

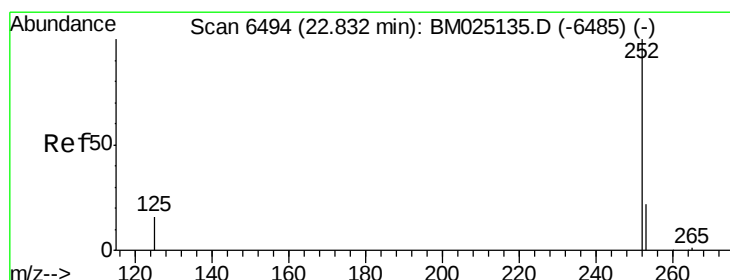
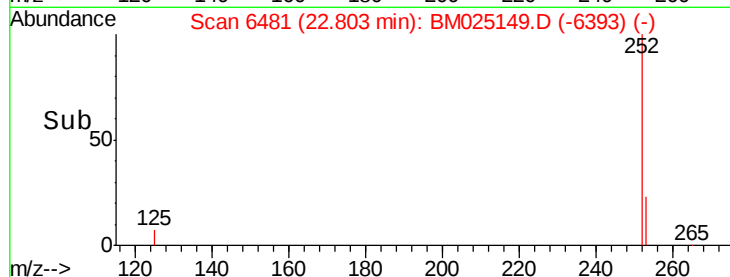
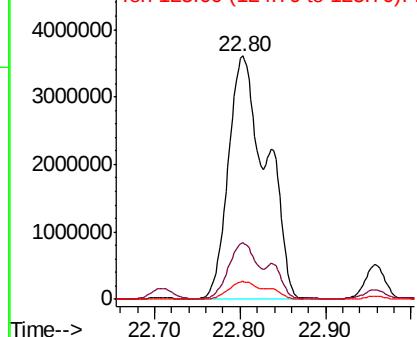
252 100

253 23.3 0.0 49.8

125 7.3 0.0 28.6



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



#22

Benzo(k)fluoranthene

Concen: 88.911 ng/u1

RT: 22.80 min Scan# 6481

Delta R.T. -0.03 min

Lab File: BM025149.D

Acq: 29 Feb 2020 00:45

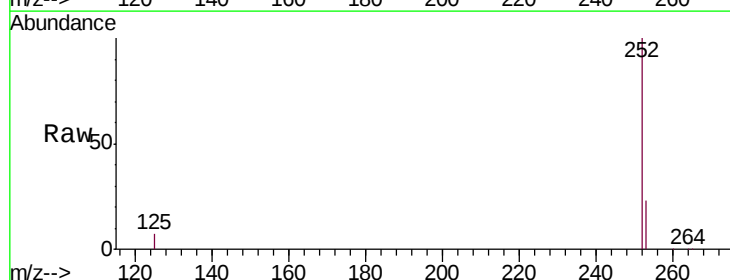
Tgt Ion:252 Resp:11083670

Ion Ratio Lower Upper

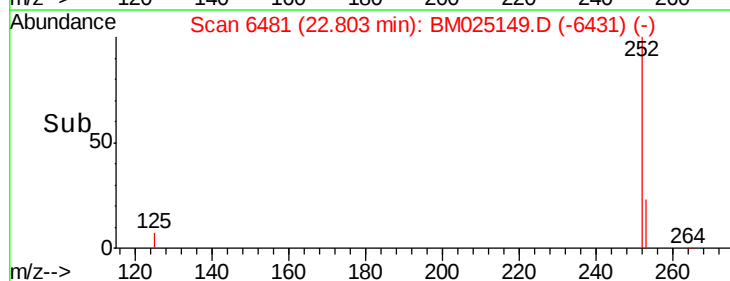
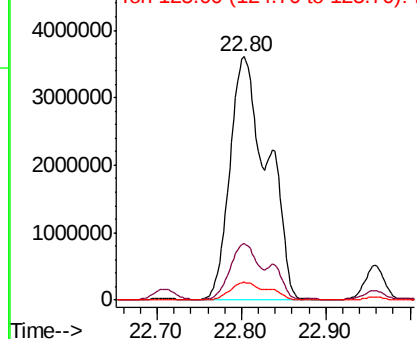
252 100

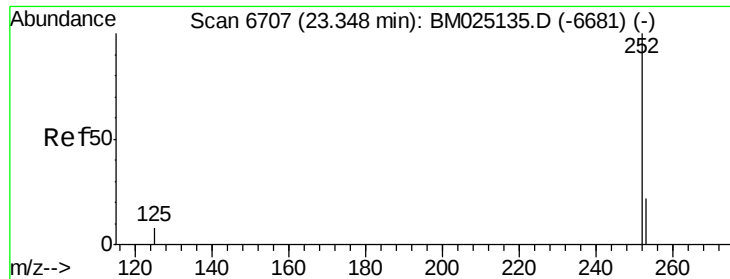
253 23.3 19.4 29.0

125 7.3 10.7 16.1#



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





#23

Benzo(a)pyrene

Concen: 29.510 ng/u1

RT: 23.36 min Scan# 6709

Delta R.T. 0.01 min

Lab File: BM025149.D

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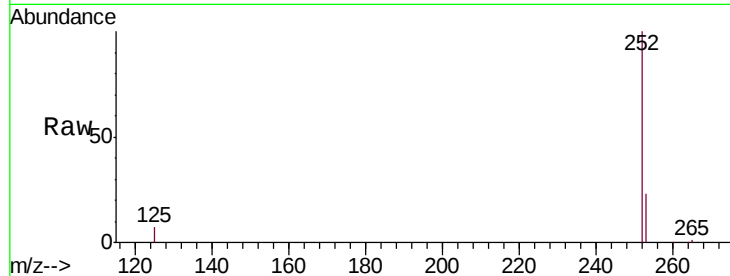
Tgt Ion:252 Resp: 3390341

Ion Ratio Lower Upper

252 100

253 22.9 20.3 30.5

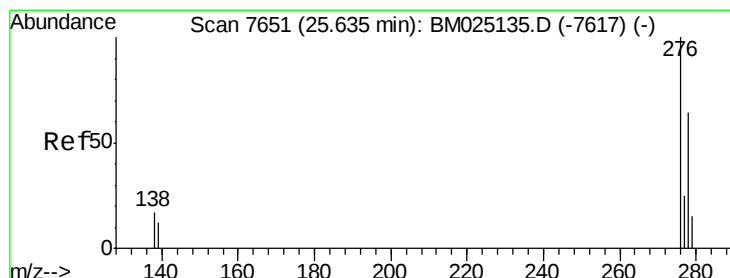
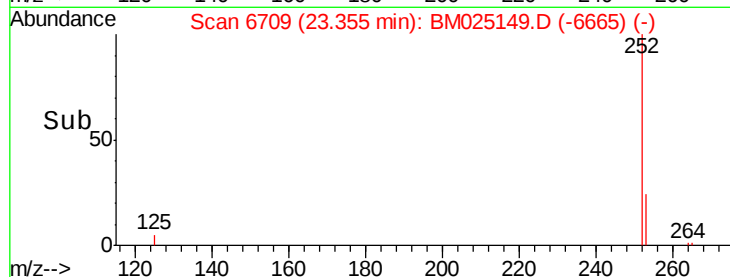
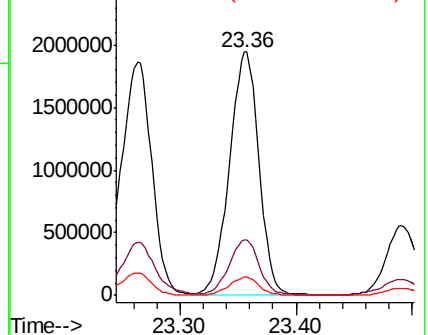
125 7.5 13.0 19.4#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 12.000 ng/u1

RT: 25.64 min Scan# 7651

Delta R.T. 0.00 min

Lab File: BM025149.D

Acq: 29 Feb 2020 00:45

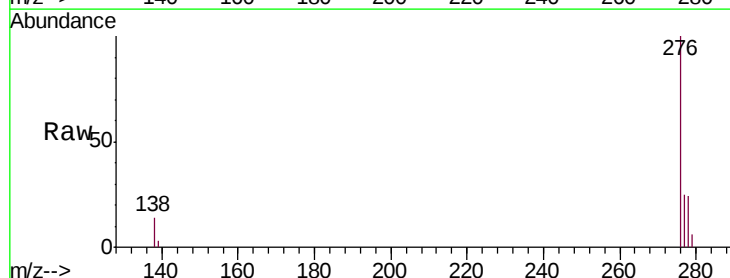
Tgt Ion:276 Resp: 1727261

Ion Ratio Lower Upper

276 100

138 15.0 0.0 0.0#

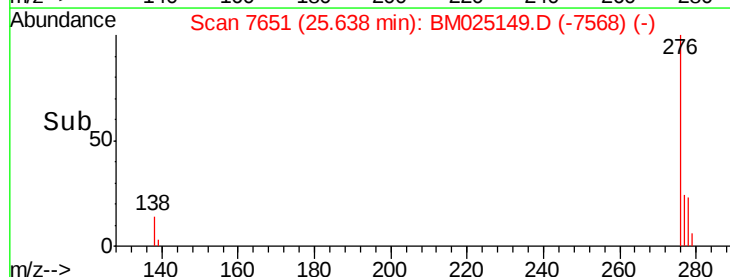
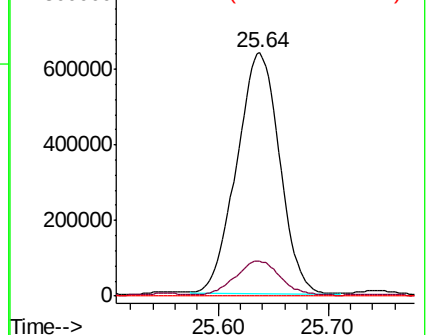
227 0.0 0.0 0.0

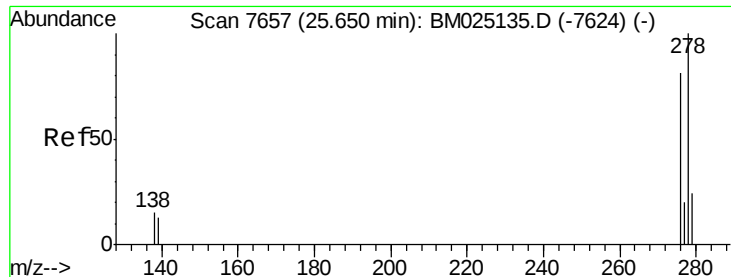


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 1.132 ng/ul

RT: 25.74 min Scan# 7694

Delta R.T. 0.09 min

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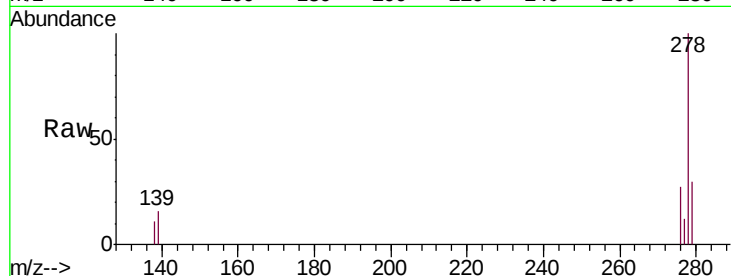
Tgt Ion:278 Resp: 136979

Ion Ratio Lower Upper

278 100

139 15.8 13.2 19.8

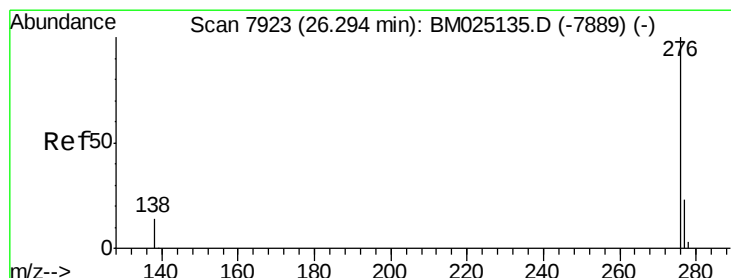
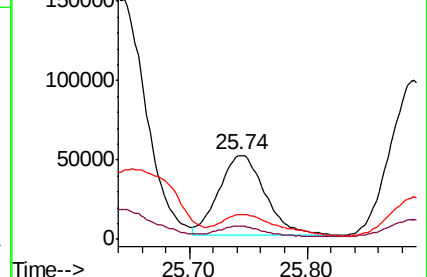
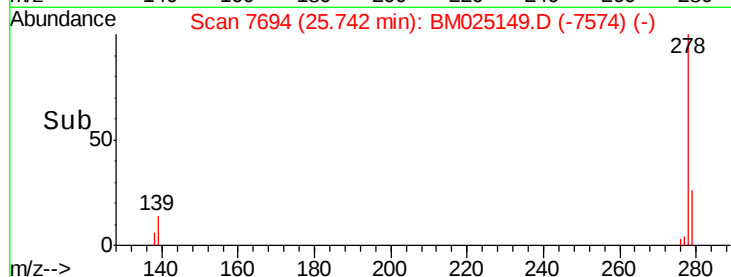
279 29.9 21.0 31.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 9.089 ng/ul

RT: 26.30 min Scan# 7925

Delta R.T. 0.01 min

Lab File: BM025149.D

Acq: 29 Feb 2020 00:45

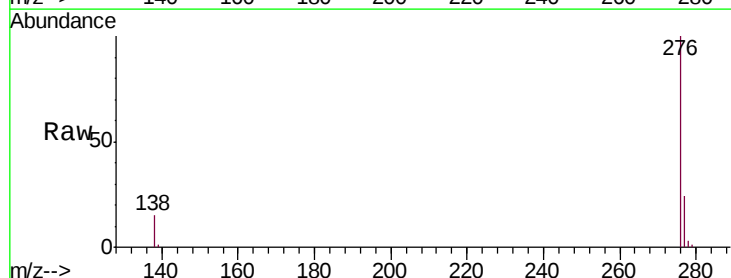
Tgt Ion:276 Resp: 1102504

Ion Ratio Lower Upper

276 100

138 14.6 17.9 26.9#

277 23.8 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

