

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070323\
 Data File : BM040574.D
 Acq On : 03 Jul 2023 14:19
 Operator : MA/JU
 Sample : 03242-13DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 03 15:24:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 13:40:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

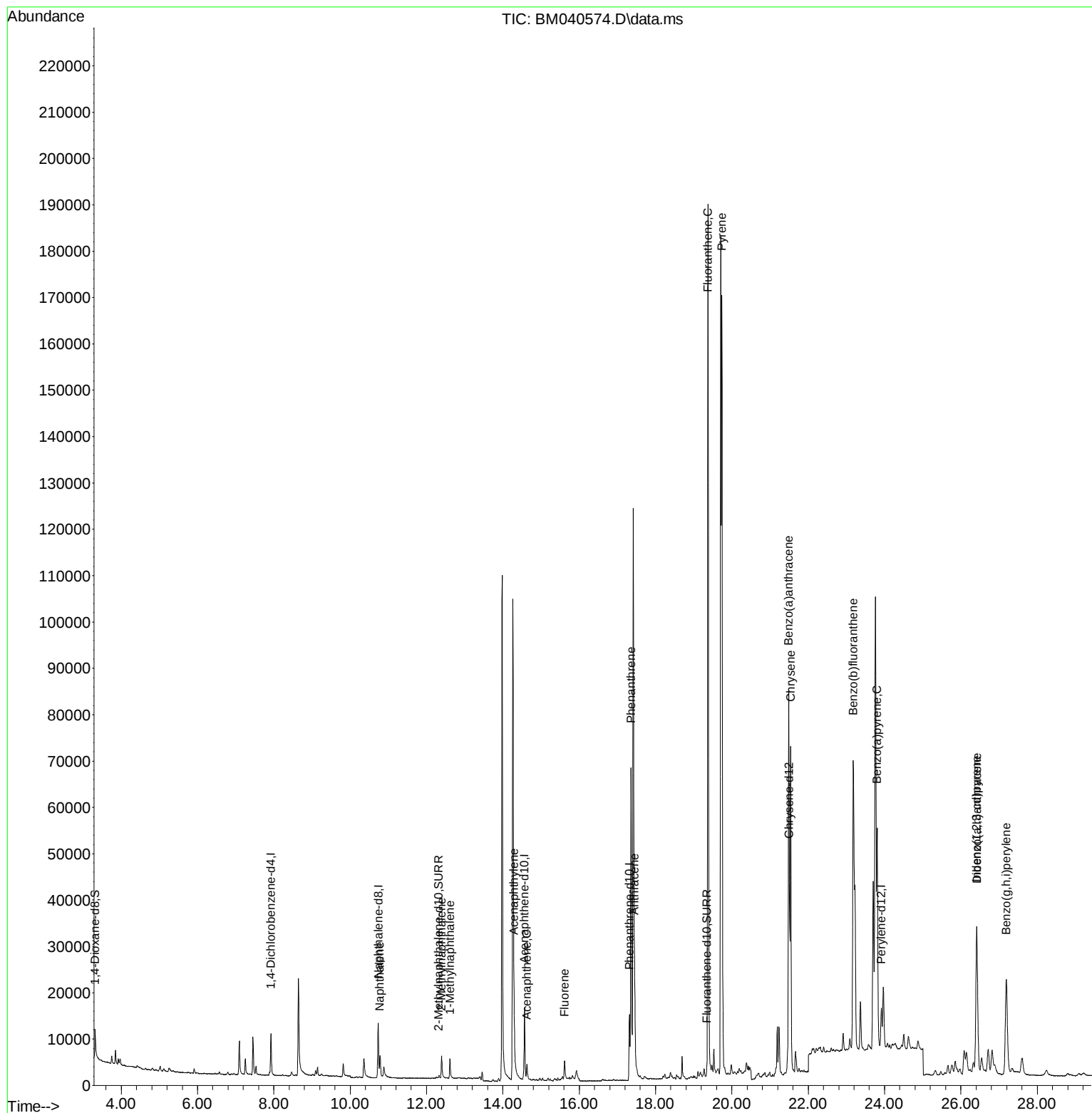
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	4911	0.400	ng/ul	0.00
4) Naphthalene-d8	10.734	136	18668	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.568	164	9386	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.315	188	19714	0.400	ng/ul	0.00
17) Chrysene-d12	21.503	240	13735	0.400	ng/ul	0.00
23) Perylene-d12	23.914	264	13063	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.316	96	4353	0.564	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.323	152	1200	0.046	ng/ul	0.00
18) Fluoranthene-d10	19.342	212	2152	0.049	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.778	128	7048	0.137	ng/ul#	94
7) 2-Methylnaphthalene	12.395	142	4501	0.149	ng/ul	98
8) 1-Methylnaphthalene	12.615	142	3267	0.108	ng/ul	99
10) Acenaphthylene	14.290	152	18573	0.443	ng/ul	99
11) Acenaphthene	14.628	153	2092	0.059	ng/ul	95
12) Fluorene	15.618	166	3139	0.083	ng/ul#	95
15) Phenanthrene	17.357	178	84863	1.386	ng/ul	98
16) Anthracene	17.450	178	20984	0.408	ng/ul	99
19) Fluoranthene	19.375	202	186949	3.204	ng/ul	96
20) Pyrene	19.737	202	149383	2.388	ng/ul	98
21) Benzo(a)anthracene	21.488	228	83993	1.808	ng/ul	97
22) Chrysene	21.541	228	73550	1.388	ng/ul	98
24) Benzo(b)fluoranthene	23.181	252	119526	2.364	ng/ul	92
26) Benzo(a)pyrene	23.806	252	70276	1.543	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.414	276	58104	0.916	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.417	278	14221	0.286	ng/ul#	85
29) Benzo(g,h,i)perylene	27.188	276	53302	0.959	ng/ul	97

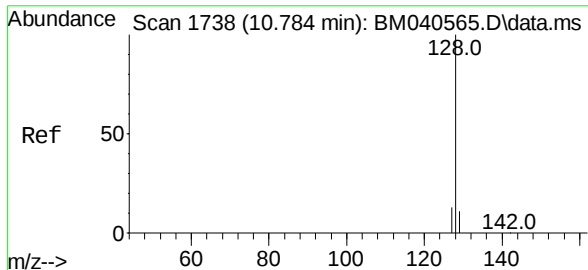
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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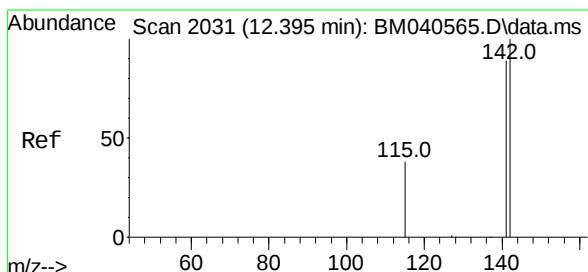
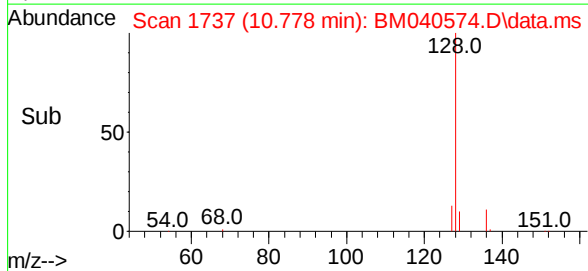
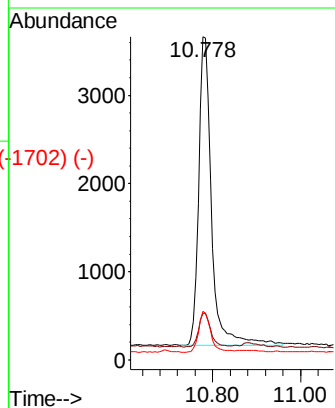
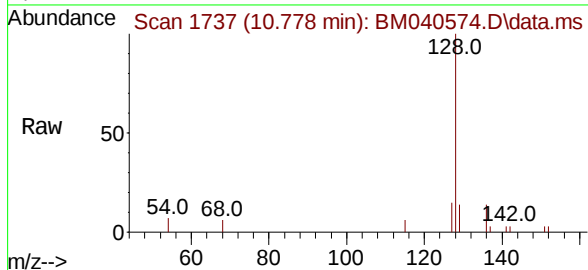




Naphthalene
 Concen: 0.137 ng/ul
 RT: 10.778 min Scan# 1738
 Delta R.T. -0.006 min
 Lab File: BM040574.D
 Acq: 03 Jul 2023 14:19

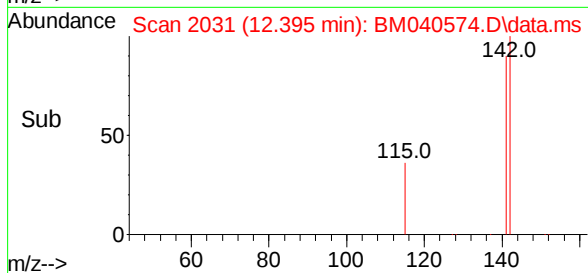
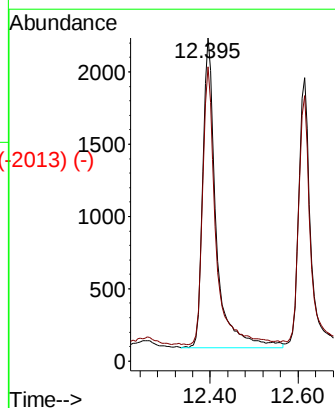
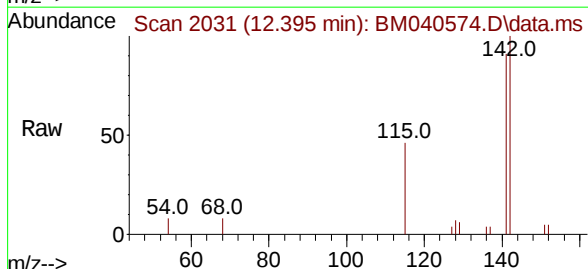
Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion:128 Resp: 7048
 Ion Ratio Lower Upper
 128 100
 129 14.5 9.2 13.8#
 127 15.0 10.6 15.8



2-Methylnaphthalene
 Concen: 0.149 ng/ul
 RT: 12.395 min Scan# 2031
 Delta R.T. -0.000 min
 Lab File: BM040574.D
 Acq: 03 Jul 2023 14:19

Tgt Ion:142 Resp: 4501
 Ion Ratio Lower Upper
 142 100
 141 87.9 71.9 107.9



Abundance Scan 2071 (12.615 min): BM040565.D\data.ms (-2053) (-)

1-Methylnaphthalene

Concen: 0.108 ng/ul

RT: 12.615 min Scan# 2071

Delta R.T. -0.000 min

Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

Instrument :

BNA_M

ClientSampleId :

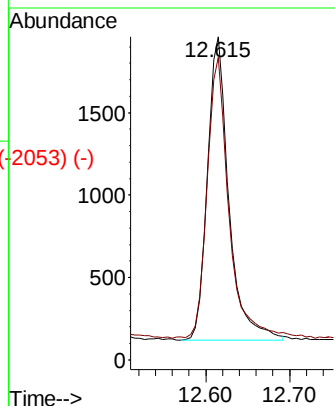
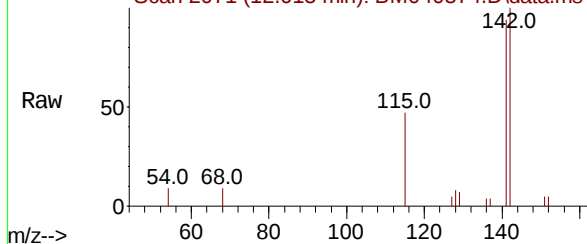
Tgt Ion:142 Resp: 3267

Ion Ratio Lower Upper

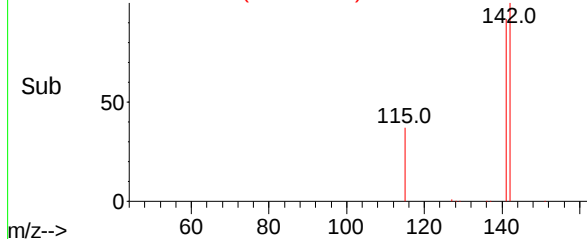
142 100

141 92.8 73.7 110.5

Abundance Scan 2071 (12.615 min): BM040574.D\data.ms



Abundance Scan 2071 (12.615 min): BM040574.D\data.ms (-2053) (-)



Abundance Scan 2406 (14.290 min): BM040565.D\data.ms (-2363) (-)

Acenaphthylene

Concen: 0.443 ng/ul

RT: 14.290 min Scan# 2406

Delta R.T. -0.000 min

Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

Tgt Ion:152 Resp: 18573

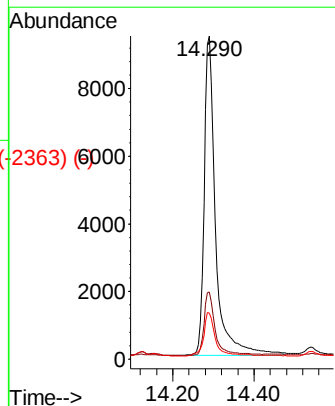
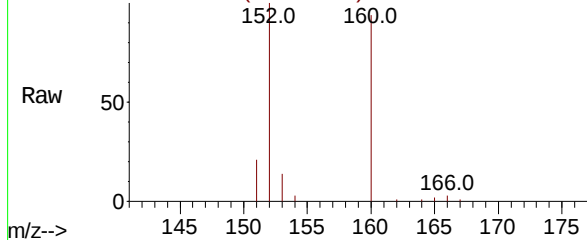
Ion Ratio Lower Upper

152 100

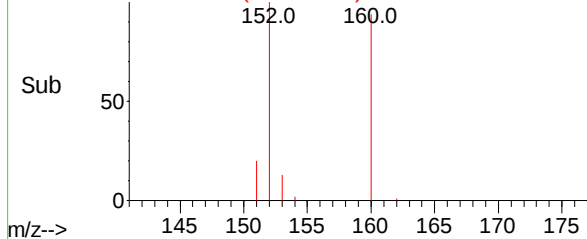
151 20.7 16.2 24.2

153 14.3 10.9 16.3

Abundance Scan 2406 (14.290 min): BM040574.D\data.ms



Abundance Scan 2406 (14.290 min): BM040574.D\data.ms (-2363) (-)



Abundance Scan 2480 (14.633 min): BM040565.D\data.ms (-2410) (-)

Acenaphthene

Concen: 0.059 ng/ul

RT: 14.628 min Scan# 2479

Delta R.T. -0.005 min

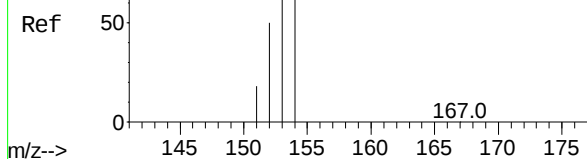
Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

Instrument :

BNA_M

ClientSampleId :



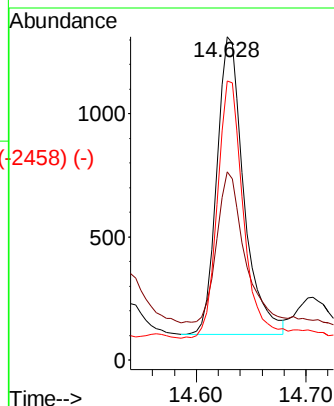
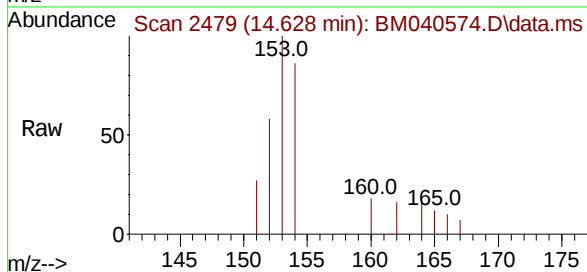
Tgt Ion:153 Resp: 2092

Ion Ratio Lower Upper

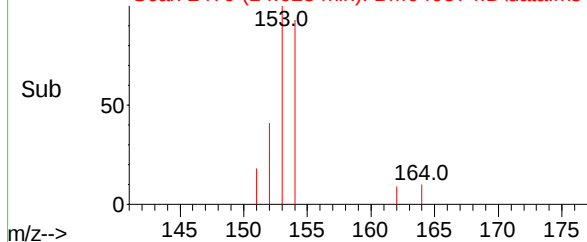
153 100

152 58.2 41.0 61.4

154 86.4 70.8 106.2



Abundance Scan 2479 (14.628 min): BM040574.D\data.ms (-2458) (-)



Abundance Scan 2693 (15.618 min): BM040565.D\data.ms (-2610) (-)

Fluorene

Concen: 0.083 ng/ul

RT: 15.618 min Scan# 2693

Delta R.T. -0.000 min

Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

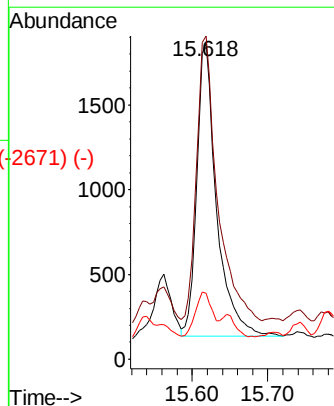
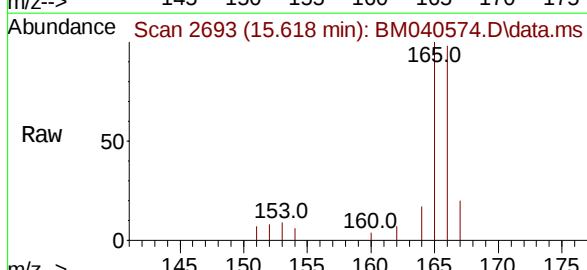
Tgt Ion:166 Resp: 3139

Ion Ratio Lower Upper

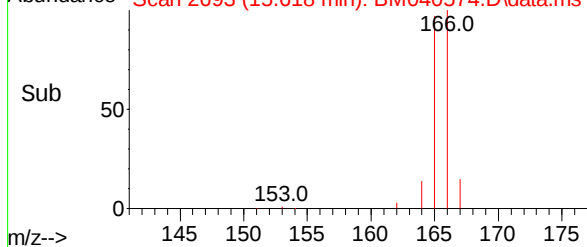
166 100

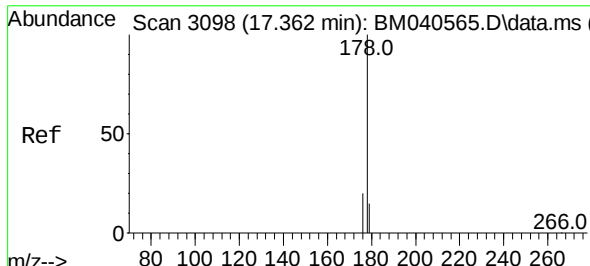
165 102.5 79.6 119.4

167 20.9 11.4 17.0#



Abundance Scan 2693 (15.618 min): BM040574.D\data.ms (-2671) (-)

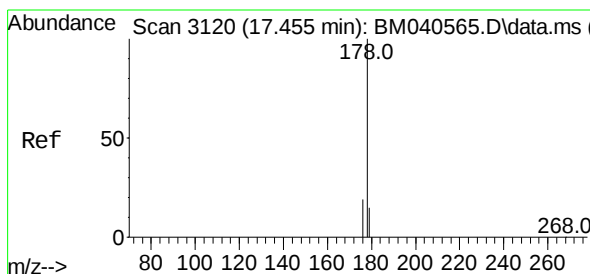
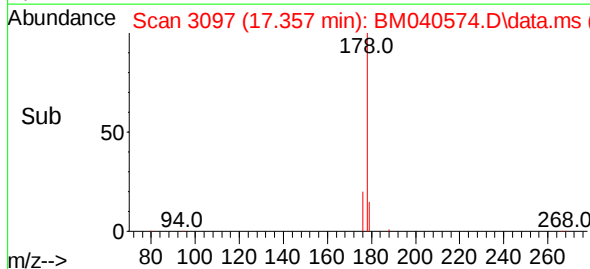
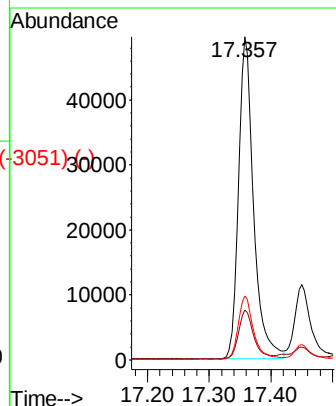
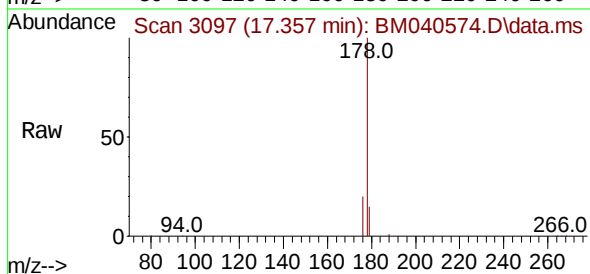




Scan 3098 (17.362 min): BM040565.D\data.ms (-3098) (-)
 Phenanthrene
 Concen: 1.386 ng/ul
 RT: 17.357 min Scan# 3115
 Delta R.T. -0.004 min
 Lab File: BM040574.D
 Acq: 03 Jul 2023 14:19

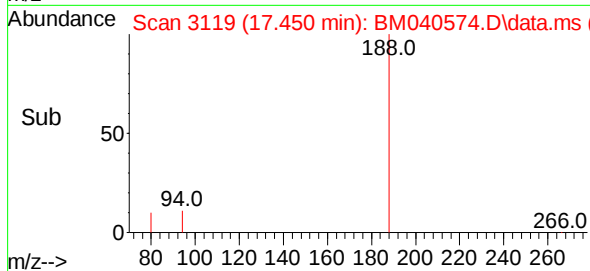
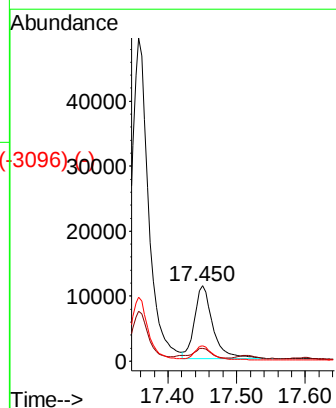
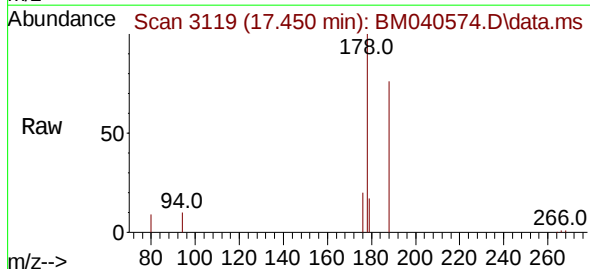
Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion:	178	Resp:	84863
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.8	19.2
176	19.7	16.4	24.6

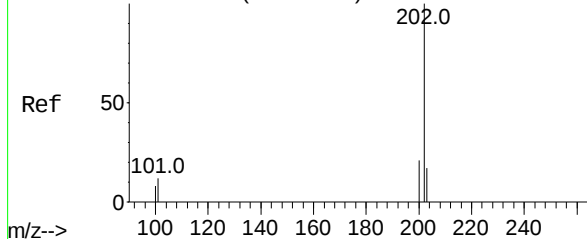


Scan 3120 (17.455 min): BM040565.D\data.ms (-3119) (-)
 Anthracene
 Concen: 0.408 ng/ul
 RT: 17.450 min Scan# 3119
 Delta R.T. -0.004 min
 Lab File: BM040574.D
 Acq: 03 Jul 2023 14:19

Tgt Ion:	178	Resp:	20984
Ion	Ratio	Lower	Upper
178	100		
179	17.2	12.9	19.3
176	19.8	15.8	23.6



Abundance Scan 3557 (19.380 min): BM040565.D\data.ms (-3549) (-)



Fluoranthene

Concen: 3.204 ng/ul

RT: 19.375 min Scan# 3549

Delta R.T. -0.005 min

Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:202 Resp: 186949

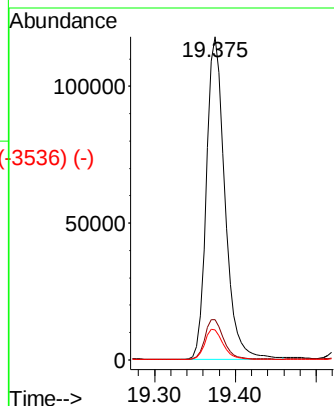
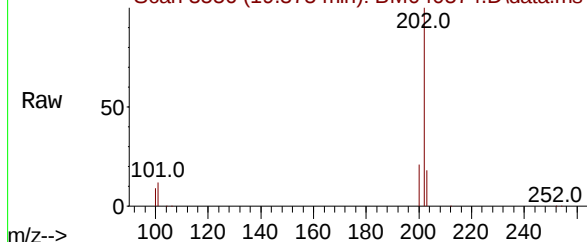
Ion Ratio Lower Upper

202 100

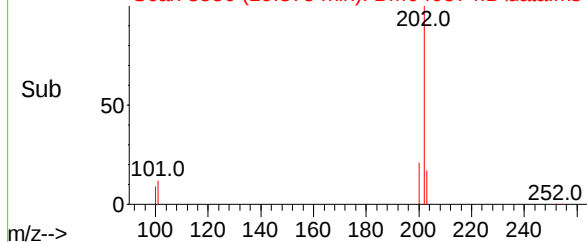
101 12.4 11.4 17.0

100 9.3 8.7 13.1

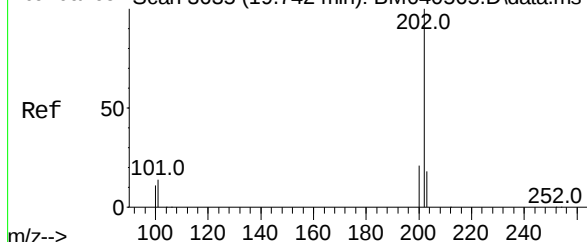
Abundance Scan 3556 (19.375 min): BM040574.D\data.ms



Abundance Scan 3556 (19.375 min): BM040574.D\data.ms (-3536) (-)



Abundance Scan 3635 (19.742 min): BM040565.D\data.ms (-3629) (-)



Pyrene

Concen: 2.388 ng/ul

RT: 19.737 min Scan# 3634

Delta R.T. -0.005 min

Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

Tgt Ion:202 Resp: 149383

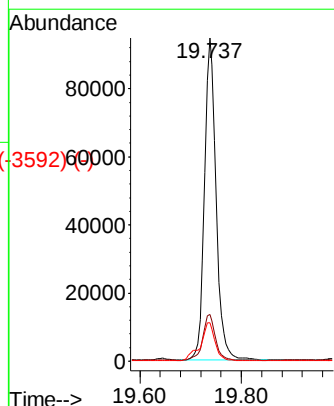
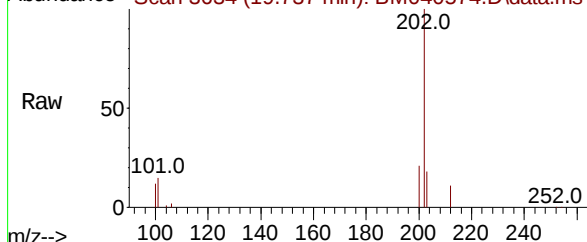
Ion Ratio Lower Upper

202 100

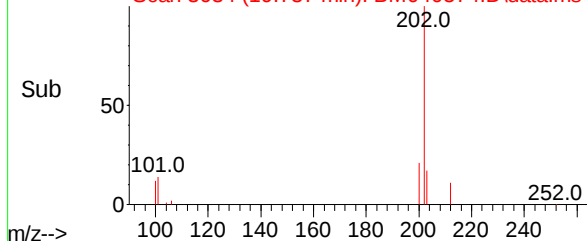
101 14.5 12.6 18.8

100 11.9 9.8 14.6

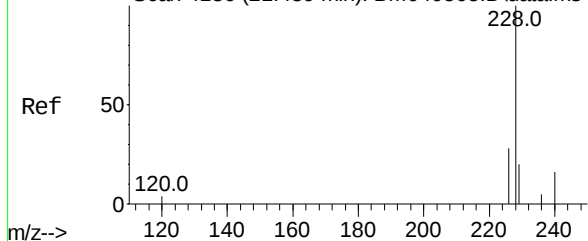
Abundance Scan 3634 (19.737 min): BM040574.D\data.ms



Abundance Scan 3634 (19.737 min): BM040574.D\data.ms (-3592) (-)



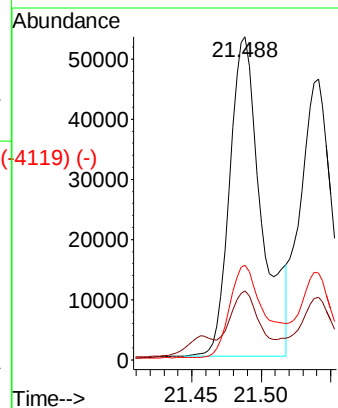
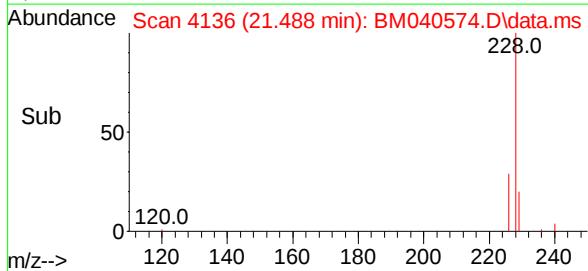
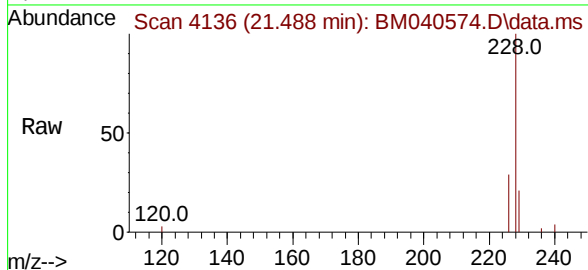
Abundance Scan 4136 (21.489 min): BM040565.D\data.ms (-4121) (-)



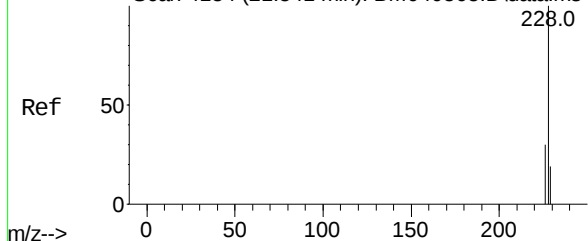
Benzo(a)anthracene
Concen: 1.808 ng/ul
RT: 21.488 min Scan# 4136
Delta R.T. -0.000 min
Lab File: BM040574.D
Acq: 03 Jul 2023 14:19

Instrument :
BNA_M
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.5	16.0	24.0
226	29.3	22.3	33.5

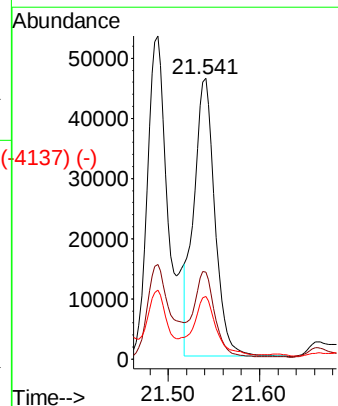
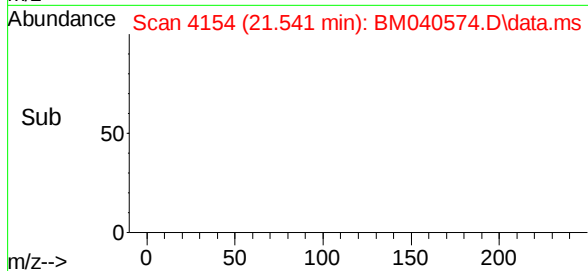
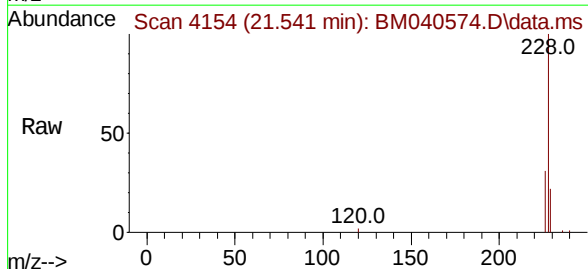


Abundance Scan 4154 (21.541 min): BM040565.D\data.ms (-4122) (-)

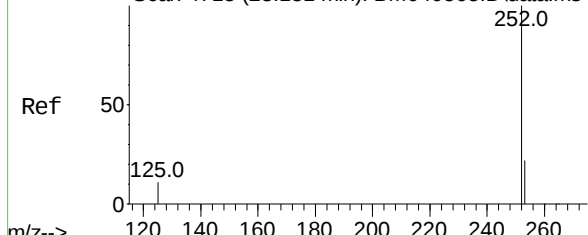


Chrysene
Concen: 1.388 ng/ul
RT: 21.541 min Scan# 4154
Delta R.T. -0.000 min
Lab File: BM040574.D
Acq: 03 Jul 2023 14:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	22.3	15.8	23.6

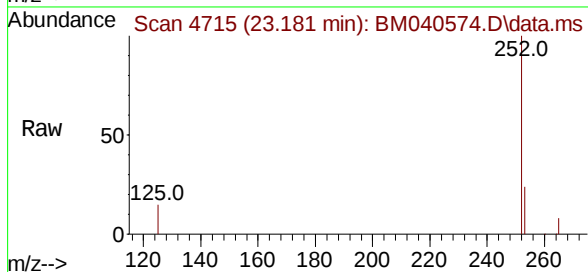


Abundance Scan 4715 (23.181 min): BM040565.D\data.ms (-4624) (-)

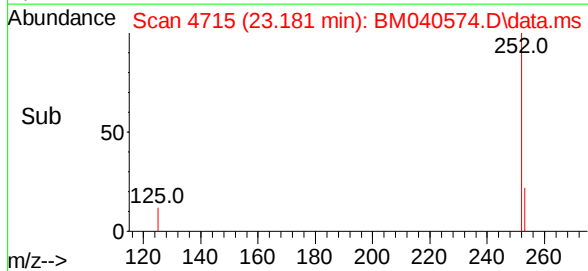
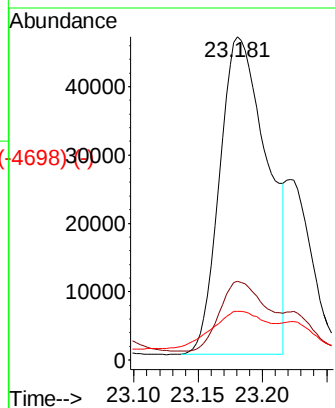


Benzo(b)fluoranthene
Concen: 2.364 ng/ul
RT: 23.181 min Scan# 4715
Delta R.T. -0.000 min
Lab File: BM040574.D
Acq: 03 Jul 2023 14:19

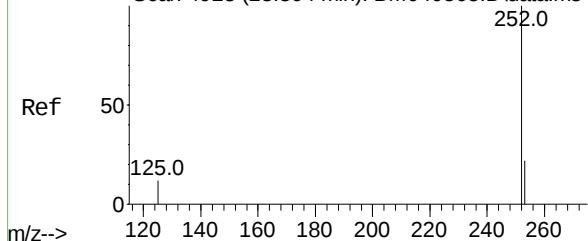
Instrument :
BNA_M
ClientSampleId :



Tgt Ion:	252	Resp:	119526
Ion	Ratio	Lower	Upper
252	100		
253	24.4	0.0	52.8
125	15.1	0.0	43.0

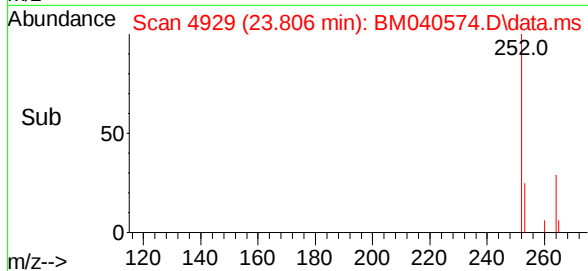
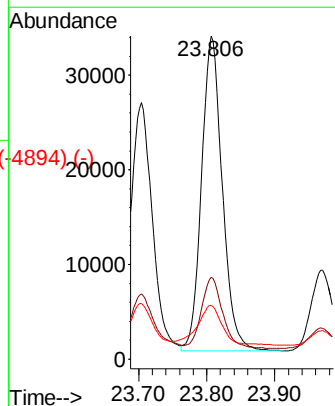
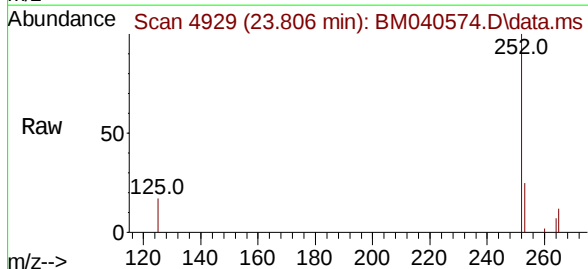


Abundance Scan 4928 (23.804 min): BM040565.D\data.ms (-4626) (-)



Benzo(a)pyrene
Concen: 1.543 ng/ul
RT: 23.806 min Scan# 4929
Delta R.T. 0.003 min
Lab File: BM040574.D
Acq: 03 Jul 2023 14:19

Tgt Ion:	252	Resp:	70276
Ion	Ratio	Lower	Upper
252	100		
253	25.3	22.9	34.3
125	16.7	21.0	31.4#



Abundance Scan 5760 (26.417 min): BM040565.D\data.ms (-5726) (-)

Indeno(1,2,3-cd)pyrene

Concen: 0.916 ng/ul

RT: 26.414 min Scan#

Delta R.T. -0.003 min

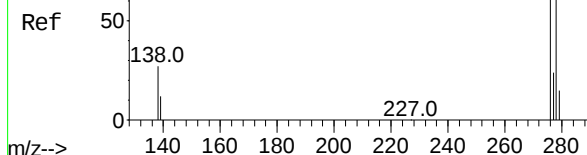
Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

Instrument :

BNM

ClientSampleId :



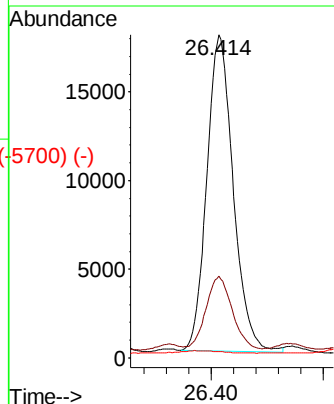
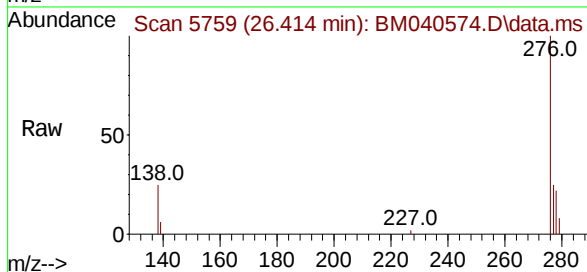
Tgt Ion:276 Resp: 58104

Ion Ratio Lower Upper

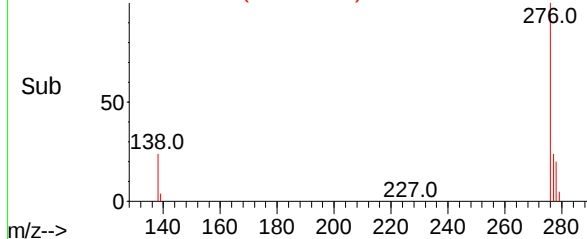
276 100

138 23.0 24.5 36.7#

227 0.0 0.1 0.1#



Abundance Scan 5759 (26.414 min): BM040574.D\data.ms (-5700) (-)



Abundance Scan 5764 (26.430 min): BM040565.D\data.ms (-5729) (-)

Dibenzo(a,h)anthracene

Concen: 0.286 ng/ul

RT: 26.417 min Scan# 5760

Delta R.T. -0.014 min

Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

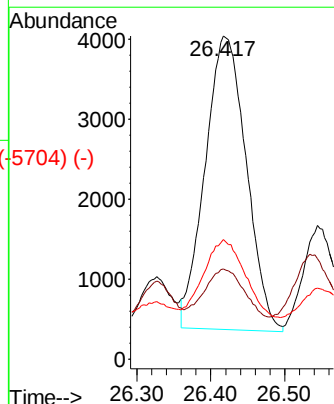
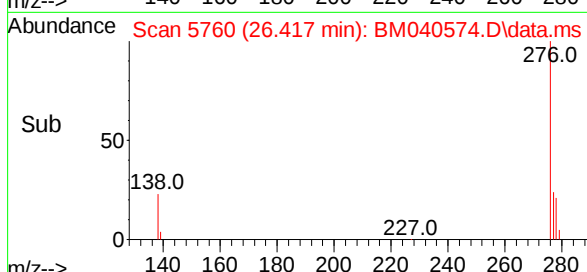
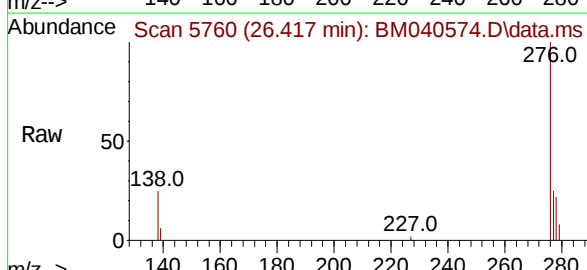
Tgt Ion:278 Resp: 14221

Ion Ratio Lower Upper

278 100

139 27.9 17.9 26.9#

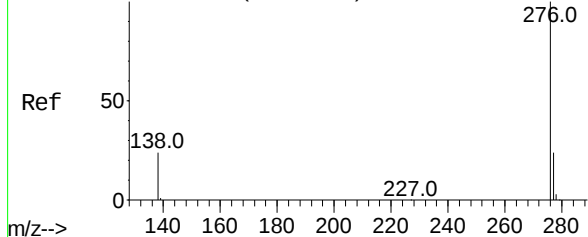
279 37.0 22.0 33.0#



Abundance Scan 5760 (26.417 min): BM040574.D\data.ms (-5704) (-)



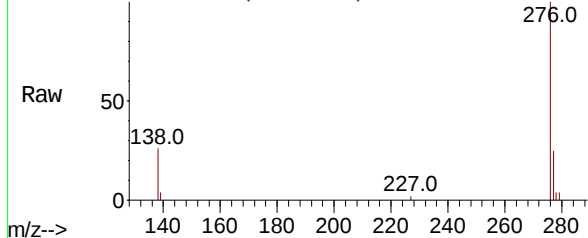
Abundance Scan 5988 (27.182 min): BM040565.D\data.ms (-5988) (-)



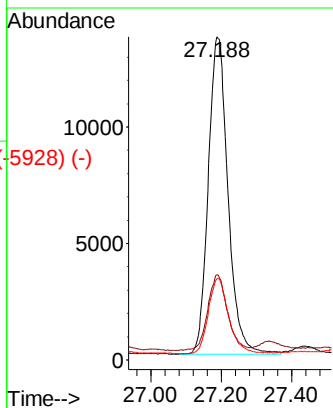
Benzo(g,h,i)perylene
Concen: 0.959 ng/ul
RT: 27.188 min Scan# 5988
Delta R.T. 0.007 min
Lab File: BM040574.D
Acq: 03 Jul 2023 14:19

Instrument :
BNA_M
ClientSampleId :

Abundance Scan 5990 (27.188 min): BM040574.D\data.ms



Tgt Ion:	276	Resp:	53302
Ion	Ratio	Lower	Upper
276	100		
138	26.4	23.0	34.6
277	25.1	20.3	30.5



Abundance Scan 5990 (27.188 min): BM040574.D\data.ms (-5928) (-)

