

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121421\
 Data File : BM033440.D
 Acq On : 14 Dec 2021 14:36
 Operator : CG/JU
 Sample : SSTD0.216
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.2023

Quant Time: Dec 15 00:39:21 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 15 00:38:17 2021
 Response via : Initial Calibration

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

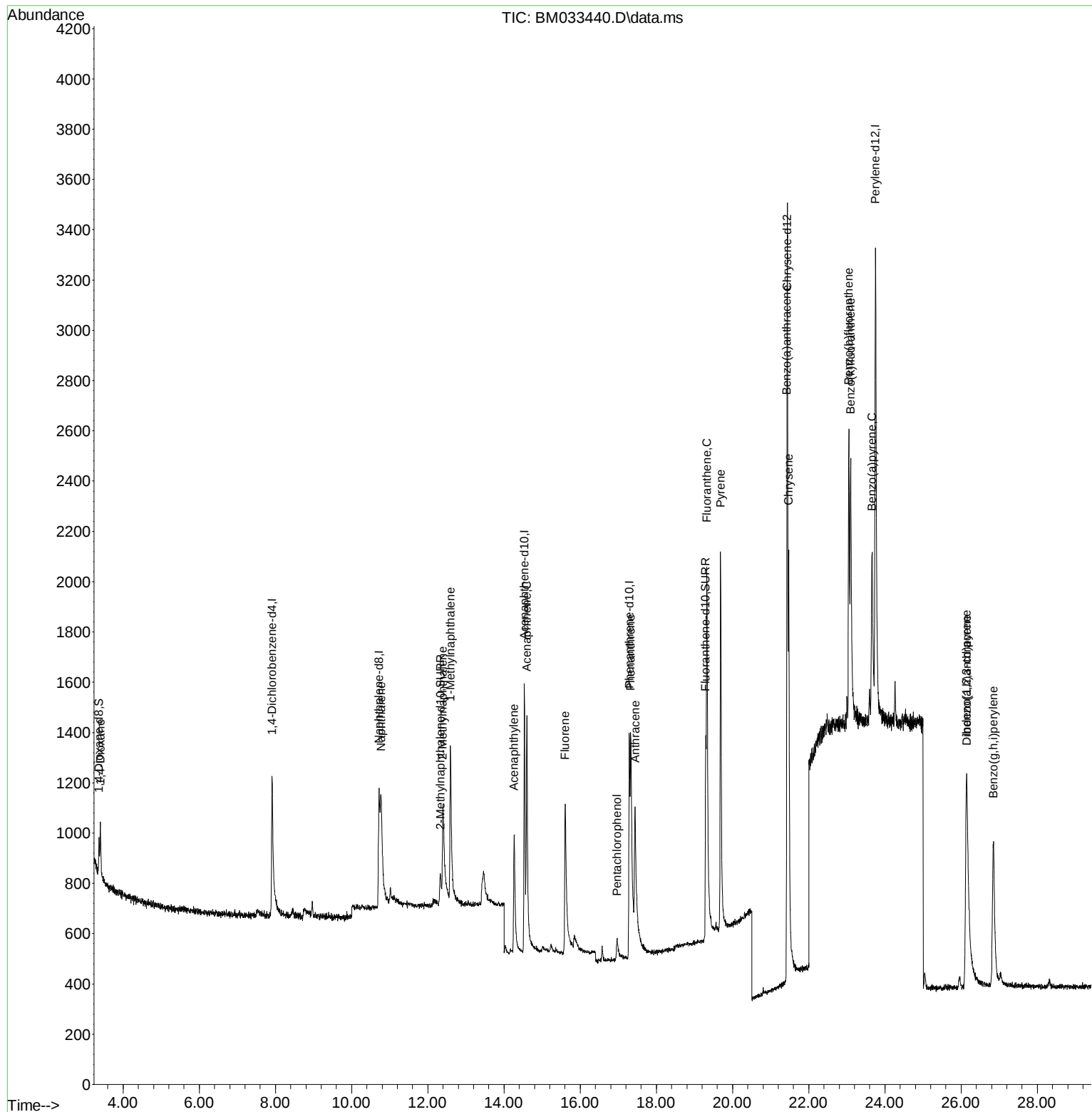
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.915	152	574	0.40	ng/ul	0.00
4) Naphthalene-d8	10.720	136	1443	0.40	ng/ul	# 0.01
9) Acenaphthene-d10	14.534	164	805	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.288	188	1878	0.40	ng/ul	# 0.00
17) Chrysene-d12	21.439	240	3199	0.40	ng/ul	0.00
23) Perylene-d12	23.752	264	3195	0.40	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.365	96	98	0.17	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.330	152	386	0.20	ng/ul	0.03
18) Fluoranthene-d10	19.296	212	1418	0.17	ng/ul	0.00
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.406	88	131	0.19	ng/ul#	67
5) Naphthalene	10.774	128	1076	0.24	ng/ul#	76
7) 2-Methylnaphthalene	12.398	142	562	0.20	ng/ul	84
8) 1-Methylnaphthalene	12.595	142	604	0.21	ng/ul	96
10) Acenaphthylene	14.265	152	1003	0.24	ng/ul#	91
11) Acenaphthene	14.598	153	806	0.26	ng/ul	97
12) Fluorene	15.607	166	839	0.23	ng/ul#	97
14) Pentachlorophenol	16.962	266	132	0.21	ng/ul	92
15) Phenanthrene	17.330	178	1306	0.21	ng/ul#	87
16) Anthracene	17.441	178	1084	0.19	ng/ul#	90
19) Fluoranthene	19.326	202	1724	0.14	ng/ul#	76
20) Pyrene	19.685	202	1915	0.15	ng/ul#	76
21) Benzo(a)anthracene	21.427	228	1402	0.14	ng/ul	95
22) Chrysene	21.473	228	1875	0.16	ng/ul	97
24) Benzo(b)fluoranthene	23.054	252	1676	0.14	ng/ul	81
25) Benzo(k)fluoranthene	23.100	252	1942	0.15	ng/ul#	80
26) Benzo(a)pyrene	23.665	252	1575	0.15	ng/ul#	74
27) Indeno(1,2,3-cd)pyrene	26.138	276	1838	0.13	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.155	278	1525	0.13	ng/ul#	78
29) Benzo(g,h,i)perylene	26.853	276	1718	0.14	ng/ul#	86

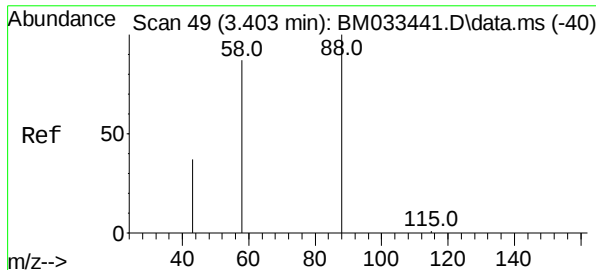
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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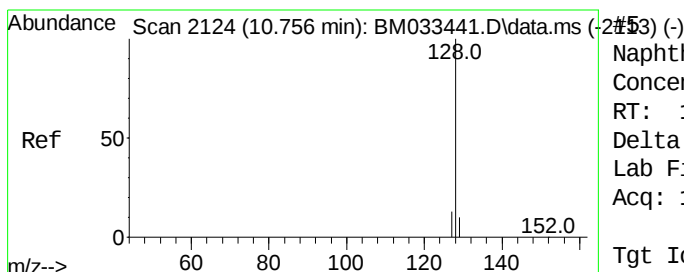
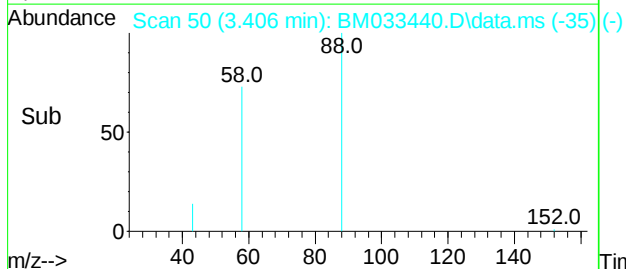
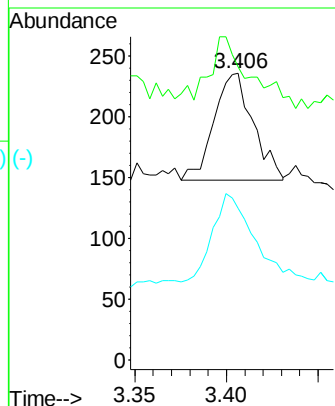
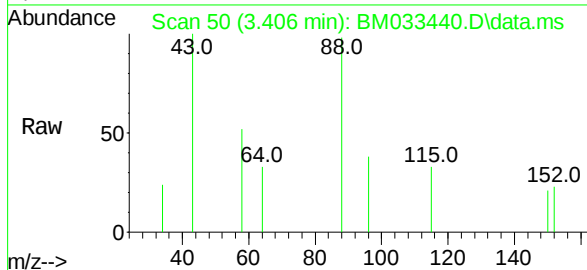




1,4-Dioxane
Concen: 0.19 ng/ul
RT: 3.406 min Scan# 49
Delta R.T. 0.003 min
Lab File: BM033440.D
Acq: 14 Dec 2021 14:36

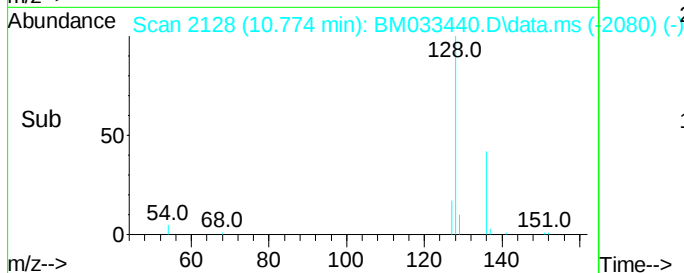
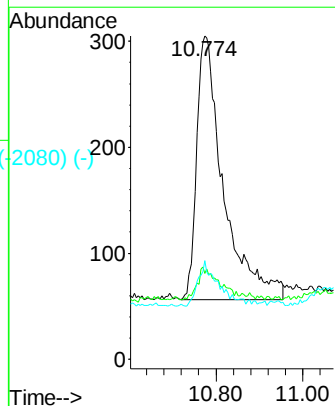
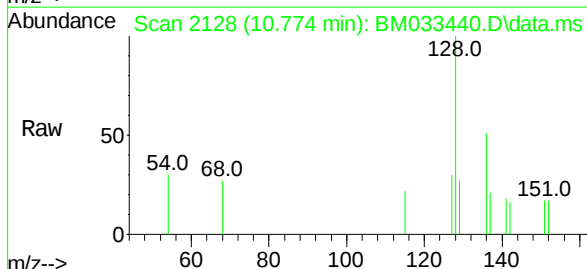
Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

Tgt Ion: 88 Resp: 131
Ion Ratio Lower Upper
88 100
43 102.1 49.7 74.5#
58 53.0 52.5 78.7



Naphthalene
Concen: 0.24 ng/ul
RT: 10.774 min Scan# 2128
Delta R.T. 0.018 min
Lab File: BM033440.D
Acq: 14 Dec 2021 14:36

Tgt Ion: 128 Resp: 1076
Ion Ratio Lower Upper
128 100
129 26.6 13.4 20.2#
127 30.5 15.2 22.8#



Abundance Scan 2483 (12.371 min): BM033441.D\data.ms (-2473) (-)

2-Methylnaphthalene

Concen: 0.20 ng/ul

RT: 12.398 min Scan#

Delta R.T. 0.027 min

Lab File: BM033440.D

Acq: 14 Dec 2021 14:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.2023

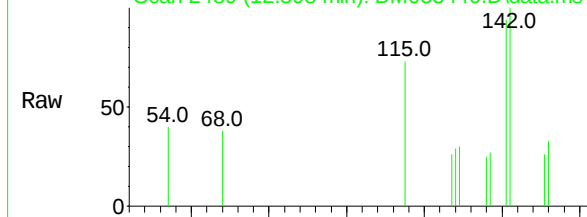
Tgt Ion:142 Resp: 562

Ion Ratio Lower Upper

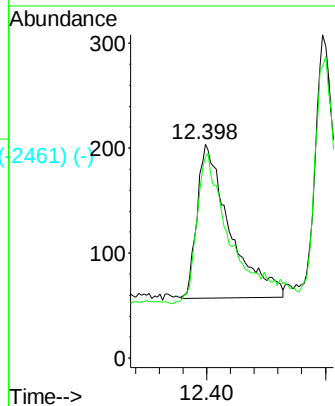
142 100

141 105.0 71.8 107.6

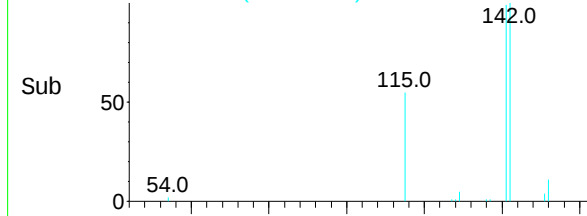
Abundance Scan 2489 (12.398 min): BM033440.D\data.ms



m/z-->



Abundance Scan 2489 (12.398 min): BM033440.D\data.ms (-2461) (-)



m/z-->

Abundance Scan 2530 (12.582 min): BM033441.D\data.ms (-2529) (-)

1-Methylnaphthalene

Concen: 0.21 ng/ul

RT: 12.595 min Scan# 2533

Delta R.T. 0.014 min

Lab File: BM033440.D

Acq: 14 Dec 2021 14:36

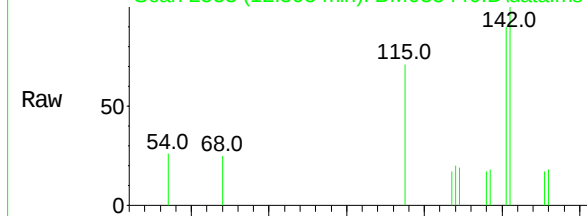
Tgt Ion:142 Resp: 604

Ion Ratio Lower Upper

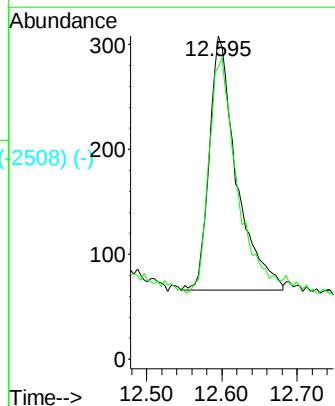
142 100

141 97.2 75.0 112.4

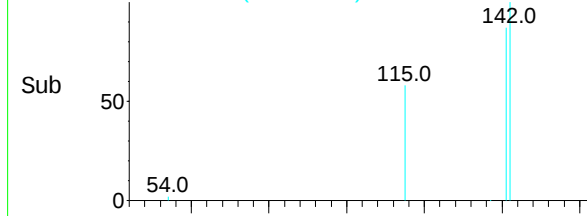
Abundance Scan 2533 (12.595 min): BM033440.D\data.ms



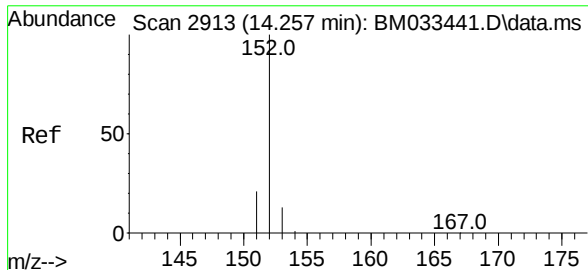
m/z-->



Abundance Scan 2533 (12.595 min): BM033440.D\data.ms (-2508) (-)



m/z-->



Acenaphthylene

Concen: 0.24 ng/ul

RT: 14.265 min Scan# 2915

Delta R.T. 0.008 min

Lab File: BM033440.D

Acq: 14 Dec 2021 14:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.2023

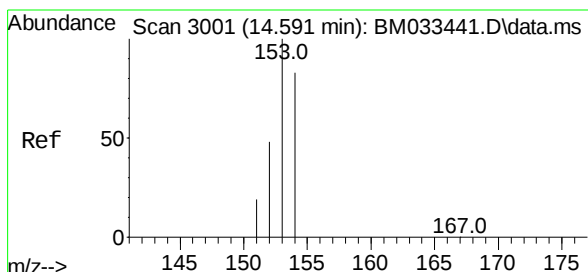
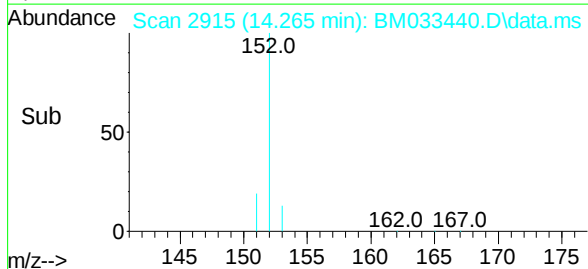
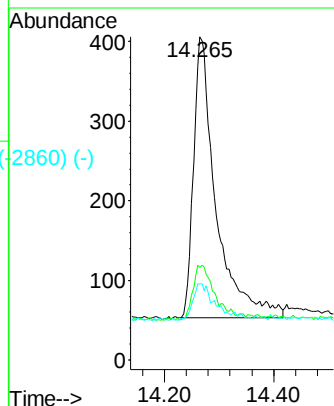
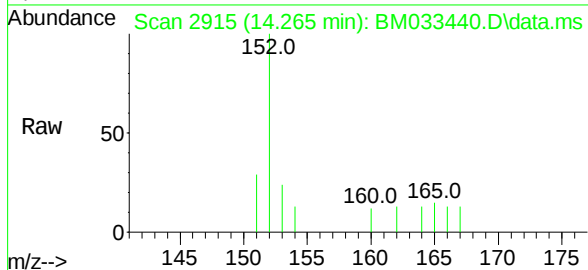
Tgt Ion:152 Resp: 1003

Ion Ratio Lower Upper

152 100

151 28.8 19.9 29.9

153 23.6 15.0 22.4#



Acenaphthene

Concen: 0.26 ng/ul

RT: 14.598 min Scan# 3003

Delta R.T. 0.008 min

Lab File: BM033440.D

Acq: 14 Dec 2021 14:36

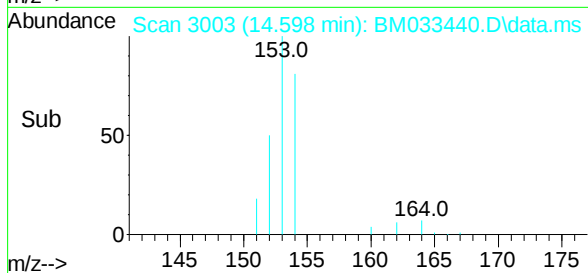
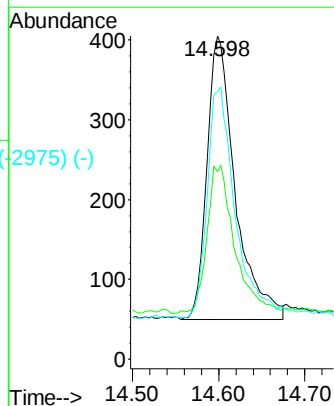
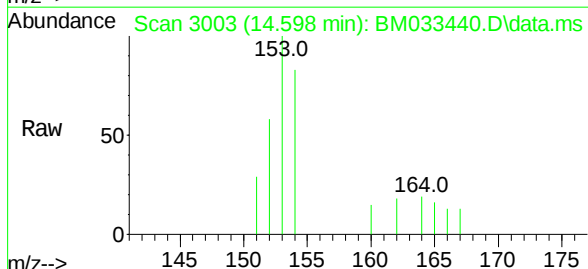
Tgt Ion:153 Resp: 806

Ion Ratio Lower Upper

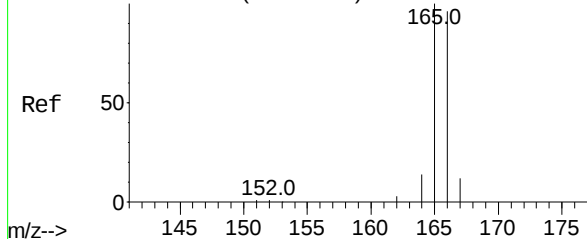
153 100

152 58.0 42.4 63.6

154 82.7 66.2 99.2



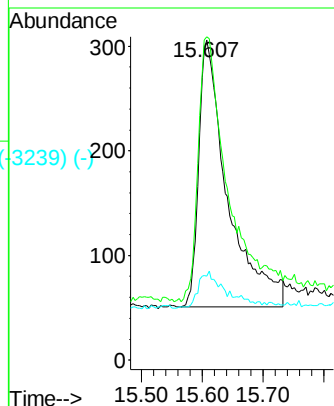
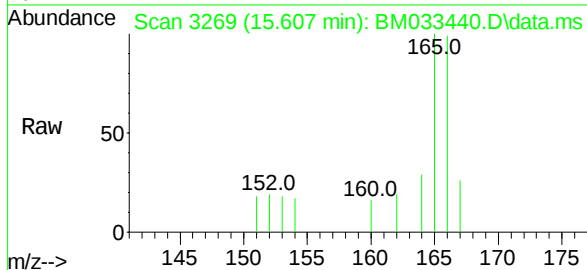
Abundance Scan 3265 (15.592 min): BM033441.D\data.ms (-3212) (-)



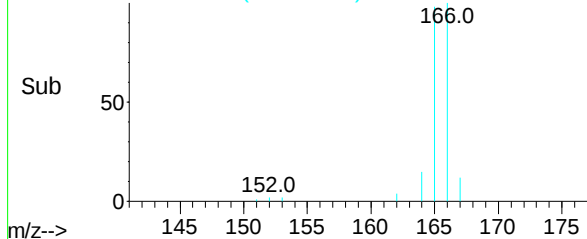
Fluorene
Concen: 0.23 ng/ul
RT: 15.607 min Scan# 3269
Delta R.T. 0.015 min
Lab File: BM033440.D
Acq: 14 Dec 2021 14:36

Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

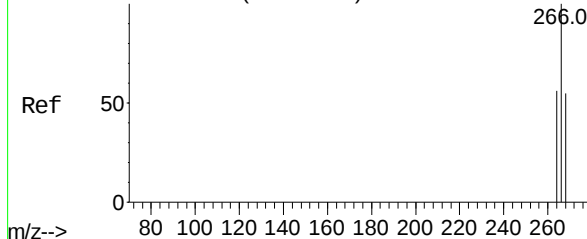
Tgt Ion:	166	Resp:	839
Ion Ratio	Lower	Upper	
166	100		
165	101.0	81.1	121.7
167	26.1	14.9	22.3#



Abundance Scan 3269 (15.607 min): BM033440.D\data.ms (-3239) (-)

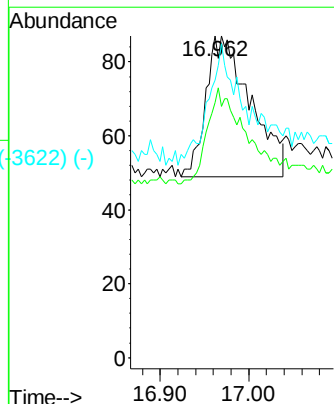
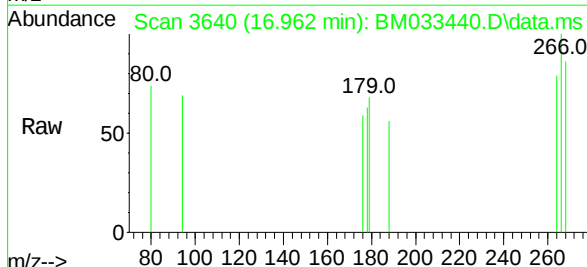


Abundance Scan 3636 (16.948 min): BM033441.D\data.ms (-3616) (-)

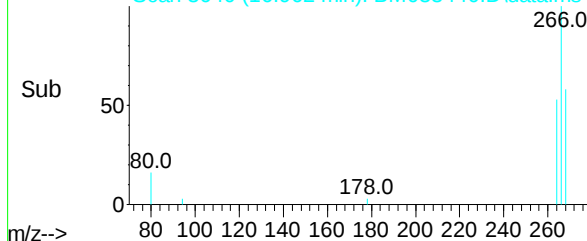


Pentachlorophenol
Concen: 0.21 ng/ul
RT: 16.962 min Scan# 3640
Delta R.T. 0.014 min
Lab File: BM033440.D
Acq: 14 Dec 2021 14:36

Tgt Ion:	266	Resp:	132
Ion Ratio	Lower	Upper	
266	100		
264	61.4	51.4	77.0
268	76.5	53.1	79.7



Abundance Scan 3640 (16.962 min): BM033440.D\data.ms (-3622) (-)



Abundance Scan 3743 (17.319 min): BM033441.D\data.ms (-3735) (-)

Phenanthrene

Concen: 0.21 ng/ul

RT: 17.330 min Scan#

Delta R.T. 0.010 min

Lab File: BM033440.D

Acq: 14 Dec 2021 14:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.2023

Tgt Ion:178 Resp: 1306

Ion Ratio Lower Upper

178 100

179 26.6 15.0 22.6#

176 27.3 17.9 26.9#

Abundance Scan 3746 (17.330 min): BM033440.D\data.ms

Ref 50

178.0

264.0

m/z-->

80 100 120 140 160 180 200 220 240 260

94.0

268.0

m/z-->

80 100 120 140 160 180 200 220 240 260

Abundance Scan 3746 (17.330 min): BM033440.D\data.ms (-3685) (-)

Sub 50

178.0

94.0

m/z-->

80 100 120 140 160 180 200 220 240 260

94.0

m/z-->

80 100 120 140 160 180 200 220 240 260

Abundance

500

400

300

200

100

0

17.30

17.330

17.40

Time-->

Abundance Scan 3773 (17.424 min): BM033441.D\data.ms (-3715) (-)

Anthracene

Concen: 0.19 ng/ul

RT: 17.441 min Scan# 3778

Delta R.T. 0.017 min

Lab File: BM033440.D

Acq: 14 Dec 2021 14:36

Tgt Ion:178 Resp: 1084

Ion Ratio Lower Upper

178 100

179 25.1 16.5 24.7#

176 28.0 18.3 27.5#

Abundance Scan 3778 (17.441 min): BM033440.D\data.ms

Ref 50

178.0

268.0

m/z-->

80 100 120 140 160 180 200 220 240 260

80.0

268.0

m/z-->

80 100 120 140 160 180 200 220 240 260

Abundance Scan 3778 (17.441 min): BM033440.D\data.ms (-3744) (-)

Sub 50

178.0

264.0

m/z-->

80 100 120 140 160 180 200 220 240 260

80.0

m/z-->

80 100 120 140 160 180 200 220 240 260

Abundance

500

400

300

200

100

0

17.40

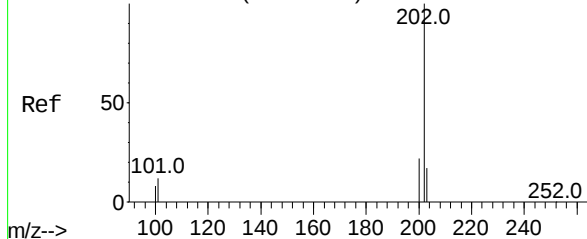
17.441

17.50

17.60

Time-->

Abundance Scan 4299 (19.322 min): BM033441.D\data.ms (-4299) (-)



Fluoranthene

Concen: 0.14 ng/ul

RT: 19.326 min Scan# 4299

Delta R.T. 0.004 min

Lab File: BM033440.D

Acq: 14 Dec 2021 14:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.2023

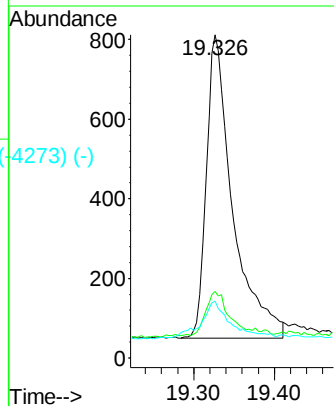
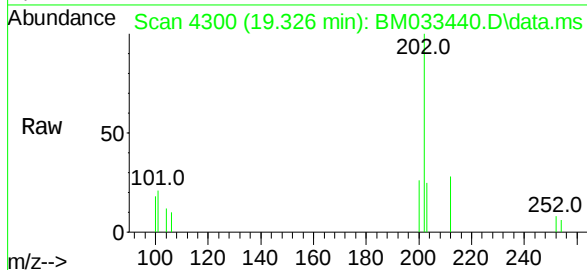
Tgt Ion:202 Resp: 1724

Ion Ratio Lower Upper

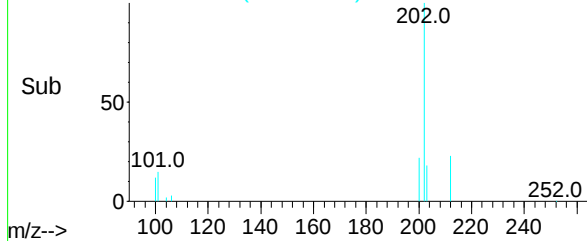
202 100

101 20.6 9.2 13.8#

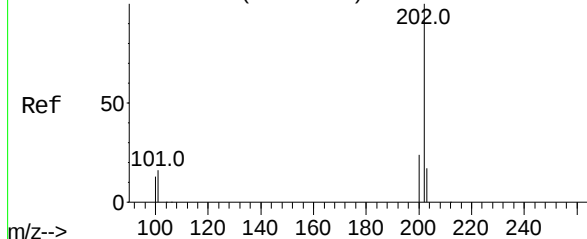
100 17.6 7.2 10.8#



Abundance Scan 4300 (19.326 min): BM033440.D\data.ms (-4273) (-)



Abundance Scan 4394 (19.684 min): BM033441.D\data.ms (-4379) (-)



Pyrene

Concen: 0.15 ng/ul

RT: 19.685 min Scan# 4394

Delta R.T. 0.000 min

Lab File: BM033440.D

Acq: 14 Dec 2021 14:36

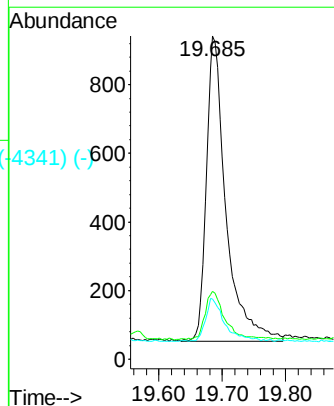
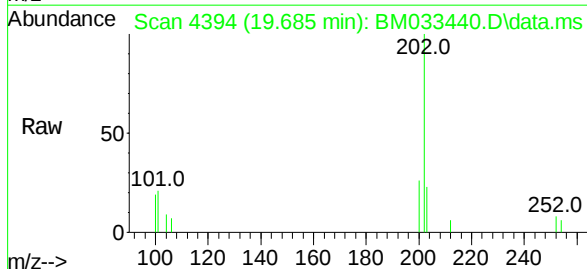
Tgt Ion:202 Resp: 1915

Ion Ratio Lower Upper

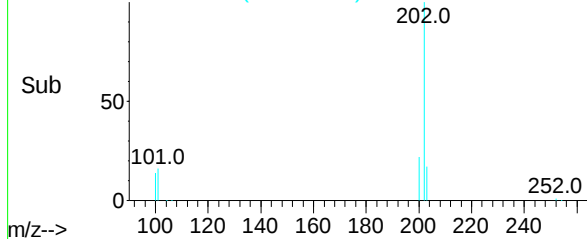
202 100

101 21.0 9.3 13.9#

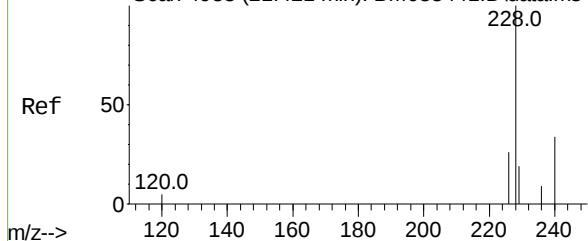
100 18.6 7.8 11.6#



Abundance Scan 4394 (19.685 min): BM033440.D\data.ms (-4341) (-)



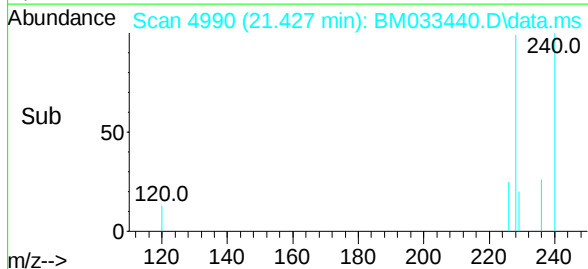
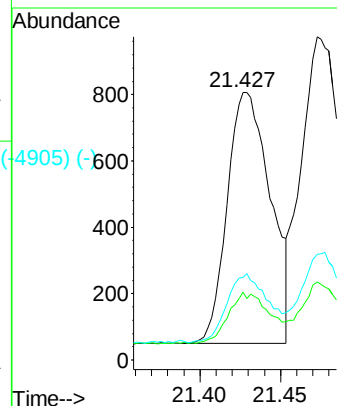
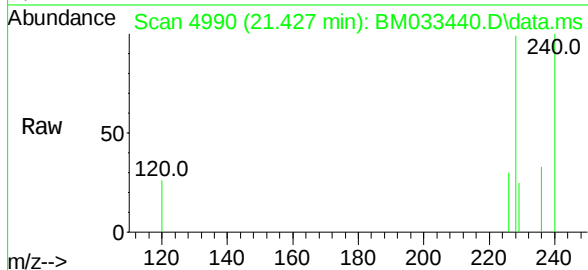
Abundance Scan 4988 (21.421 min): BM033441.D\data.ms (-4921) (-)



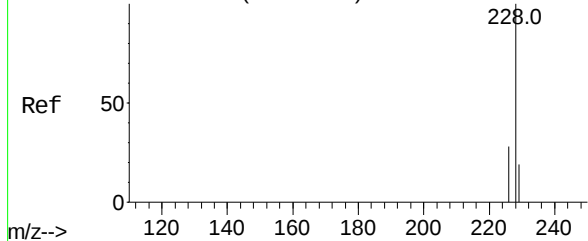
Benzo(a)anthracene
Concen: 0.14 ng/ul
RT: 21.427 min Scan# 4921
Delta R.T. 0.005 min
Lab File: BM033440.D
Acq: 14 Dec 2021 14:36

Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

Tgt Ion:228 Resp: 1402
Ion Ratio Lower Upper
228 100
229 25.4 17.3 25.9
226 30.7 23.2 34.8

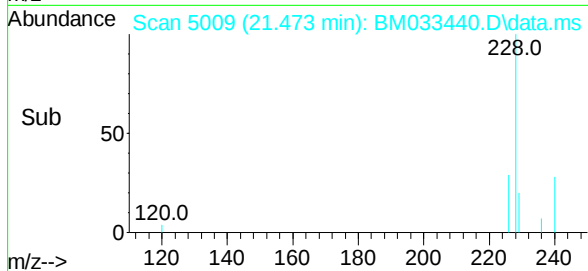
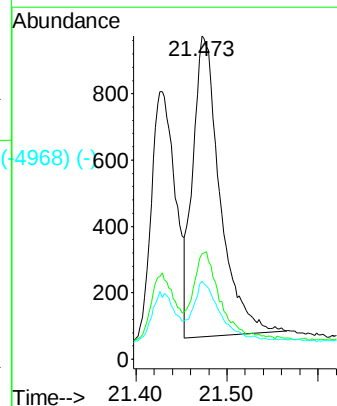
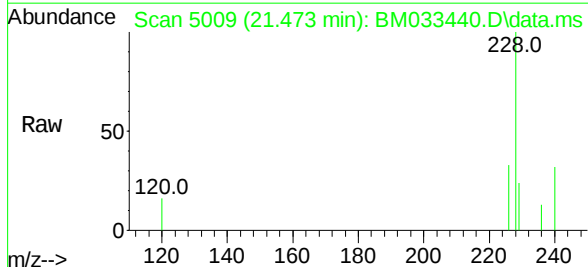


Abundance Scan 5009 (21.472 min): BM033441.D\data.ms (-5000) (-)

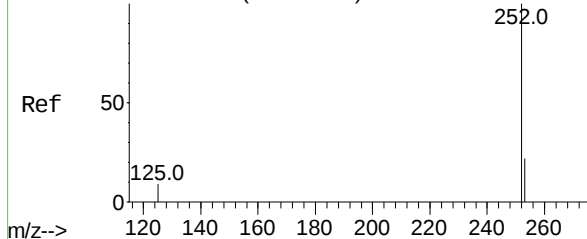


Chrysene
Concen: 0.16 ng/ul
RT: 21.473 min Scan# 5009
Delta R.T. 0.000 min
Lab File: BM033440.D
Acq: 14 Dec 2021 14:36

Tgt Ion:228 Resp: 1875
Ion Ratio Lower Upper
228 100
226 32.6 25.8 38.8
229 24.1 16.7 25.1



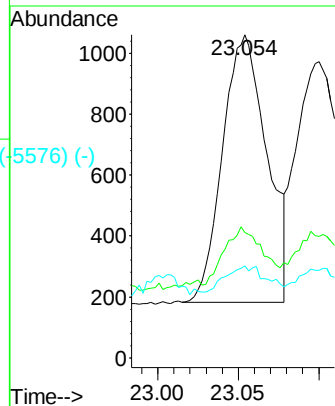
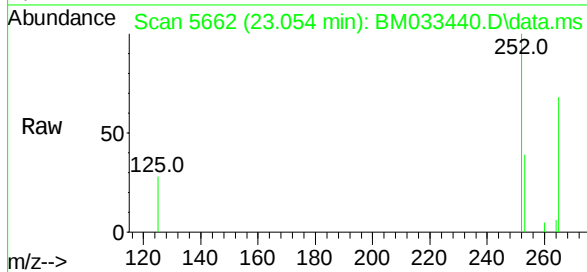
Abundance Scan 5659 (23.046 min): BM033441.D\data.ms (-5624) (-)



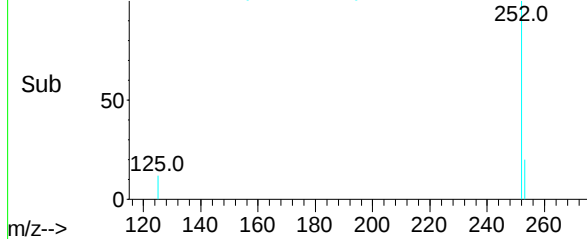
Benzo(b)fluoranthene
Concen: 0.14 ng/ul
RT: 23.054 min Scan# 5624
Delta R.T. 0.008 min
Lab File: BM033440.D
Acq: 14 Dec 2021 14:36

Instrument :
BNA_M
ClientSampleId :
SSTD0.2023

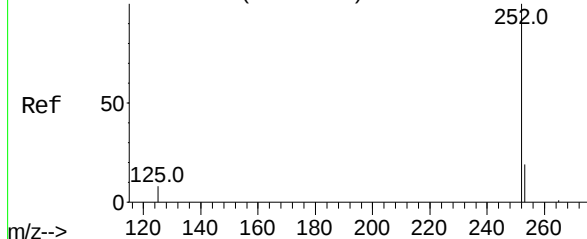
Tgt Ion:	252	Resp:	1676
Ion	Ratio	Lower	Upper
252	100		
253	38.8	0.0	64.2
125	28.4	0.0	28.8



Abundance Scan 5662 (23.054 min): BM033440.D\data.ms (-5576) (-)

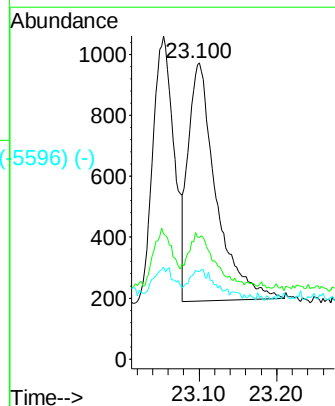
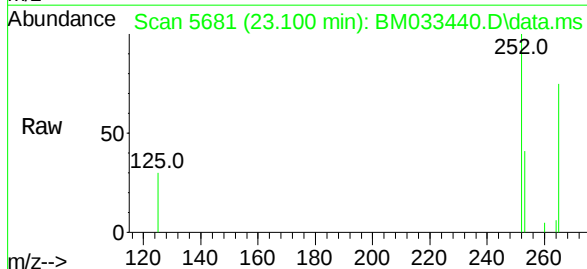


Abundance Scan 5679 (23.095 min): BM033441.D\data.ms (-5625) (-)

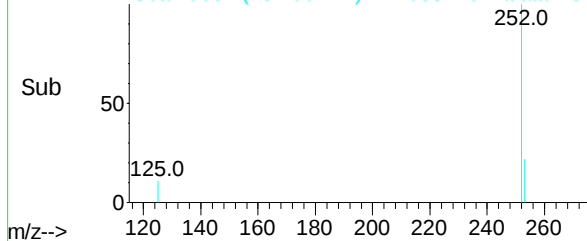


Benzo(k)fluoranthene
Concen: 0.15 ng/ul
RT: 23.100 min Scan# 5681
Delta R.T. 0.005 min
Lab File: BM033440.D
Acq: 14 Dec 2021 14:36

Tgt Ion:	252	Resp:	1942
Ion	Ratio	Lower	Upper
252	100		
253	40.9	26.8	40.2#
125	29.5	12.0	18.0#



Abundance Scan 5681 (23.100 min): BM033440.D\data.ms (-5596) (-)



Abundance Scan 5910 (23.654 min): BM033441.D\data.ms (-5826) (-)

Benzo(a)pyrene

Concen: 0.15 ng/ul

RT: 23.665 min Scan# 5826

Delta R.T. 0.010 min

Lab File: BM033440.D

Acq: 14 Dec 2021 14:36

Instrument :

BNM

ClientSampleId :

SSTD0.2023

Tgt Ion:252 Resp: 1575

Ion Ratio Lower Upper

252 100

253 50.3 32.0 48.0#

125 38.2 14.5 21.7#

Abundance Scan 5914 (23.665 min): BM033440.D\data.ms

Ref 50

125.0

252.0

m/z-->

Raw 50

125.0

265.0

m/z-->

Abundance Scan 5914 (23.665 min): BM033440.D\data.ms (-5869) (-)

Ref 50

125.0

252.0

m/z-->

Sub 50

125.0

265.0

m/z-->

Abundance

23.665

600

400

200

0

Time-->

Abundance Scan 6928 (26.121 min): BM033441.D\data.ms (-6825) (-)

Indeno(1,2,3-cd)pyrene

Concen: 0.13 ng/ul

RT: 26.138 min Scan# 6935

Delta R.T. 0.017 min

Lab File: BM033440.D

Acq: 14 Dec 2021 14:36

Tgt Ion:276 Resp: 1838

Ion Ratio Lower Upper

276 100

138 26.7 15.8 23.6#

227 0.0 0.0 0.0

Abundance Scan 6935 (26.138 min): BM033440.D\data.ms

Ref 50

138.0

276.0

m/z-->

Raw 50

138.0

276.0

m/z-->

Abundance Scan 6935 (26.138 min): BM033440.D\data.ms (-6845) (-)

Ref 50

138.0

276.0

m/z-->

Sub 50

138.0

276.0

m/z-->

Abundance

26.138

400

300

200

100

0

Time-->

Abundance Scan 6939 (26.148 min): BM033441.D\data.ms (-6828) (-)

Dibenzo(a,h)anthracene

Concen: 0.13 ng/ul

RT: 26.155 min Scan# 6939

Delta R.T. 0.008 min

Lab File: BM033440.D

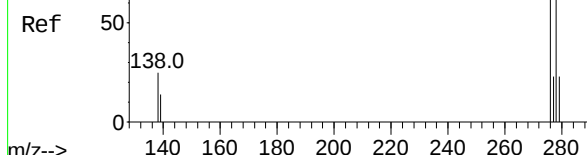
Acq: 14 Dec 2021 14:36

Instrument :

BNA_M

ClientSampleId :

SSTD0.2023



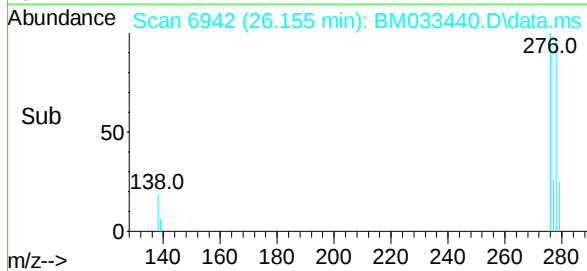
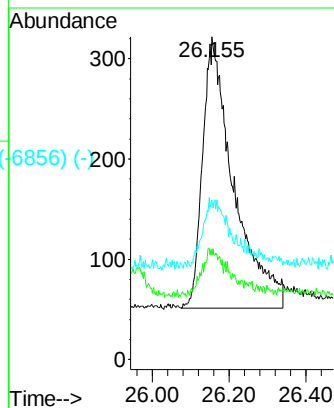
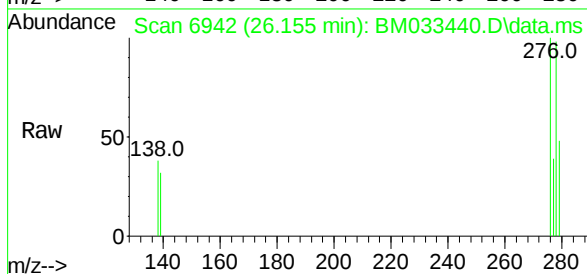
Tgt Ion:278 Resp: 1525

Ion Ratio Lower Upper

278 100

139 32.3 18.0 27.0#

279 49.4 28.6 42.8#



Abundance Scan 7225 (26.840 min): BM033441.D\data.ms (-7129) (-)

Benzo(g,h,i)perylene

Concen: 0.14 ng/ul

RT: 26.853 min Scan# 7230

Delta R.T. 0.012 min

Lab File: BM033440.D

Acq: 14 Dec 2021 14:36

Tgt Ion:276 Resp: 1718

Ion Ratio Lower Upper

276 100

138 33.6 17.4 26.0#

277 31.5 22.6 33.8

