

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122221\
 Data File : BM033608.D
 Acq On : 23 Dec 2021 11:24
 Operator : CG/JU
 Sample : PB141491BS
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS491

Quant Time: Dec 24 22:52:51 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM122221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 12:43:31 2021
 Response via : Initial Calibration

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

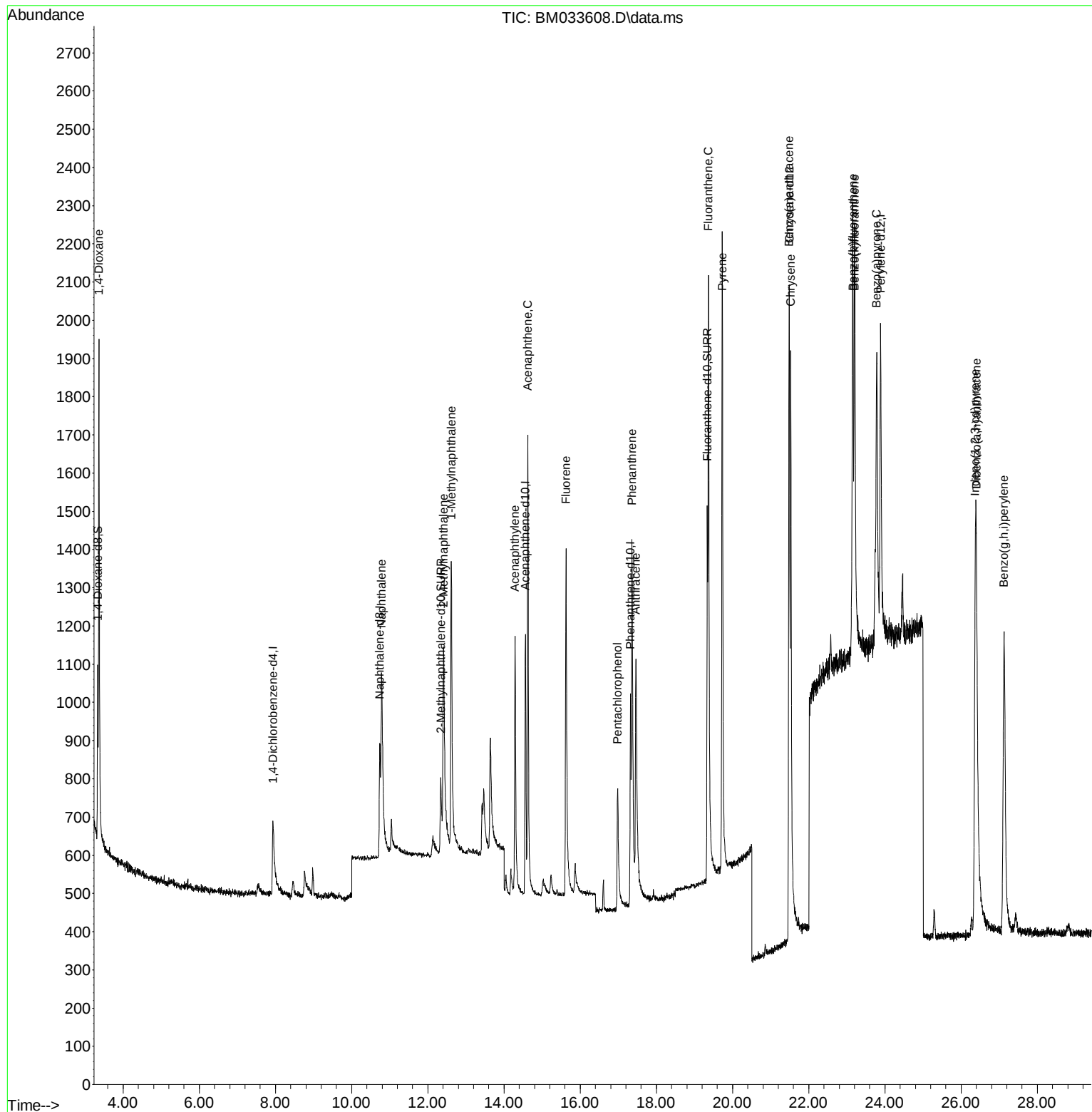
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.942	152	237	0.400	ng/ul	0.02
4) Naphthalene-d8	10.738	136	822	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.564	164	480	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.319	188	989	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.489	240	1265	0.400	ng/ul	# 0.00
23) Perylene-d12	23.885	264	1357	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	267	1.320	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.343	152	487	0.443	ng/ul	0.02
18) Fluoranthene-d10	19.337	212	1490	0.509	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.365	88	779	2.973	ng/ul	85
5) Naphthalene	10.787	128	1163	0.428	ng/ul#	87
7) 2-Methylnaphthalene	12.415	142	704	0.380	ng/ul	91
8) 1-Methylnaphthalene	12.618	142	700	0.405	ng/ul	98
10) Acenaphthylene	14.287	152	1149	0.447	ng/ul	96
11) Acenaphthene	14.625	153	889	0.453	ng/ul	97
12) Fluorene	15.626	166	949	0.437	ng/ul	97
14) Pentachlorophenol	16.983	266	380	0.767	ng/ul	98
15) Phenanthrene	17.364	178	1467	0.457	ng/ul	93
16) Anthracene	17.458	178	1288	0.428	ng/ul#	89
19) Fluoranthene	19.368	202	1863	0.480	ng/ul#	95
20) Pyrene	19.730	202	1974	0.486	ng/ul#	92
21) Benzo(a)anthracene	21.482	228	1449	0.417	ng/ul	95
22) Chrysene	21.525	228	1840	0.470	ng/ul	96
24) Benzo(b)fluoranthene	23.155	252	1903	0.444	ng/ul	89
25) Benzo(k)fluoranthene	23.201	252	2147	0.477	ng/ul	91
26) Benzo(a)pyrene	23.783	252	1892	0.476	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.370	276	2487	0.452	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.399	278	1975	0.447	ng/ul#	86
29) Benzo(g,h,i)perylene	27.126	276	2300	0.473	ng/ul	94

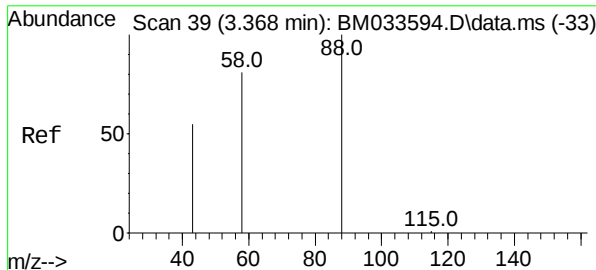
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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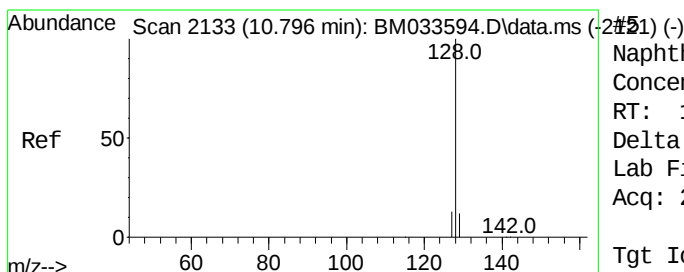
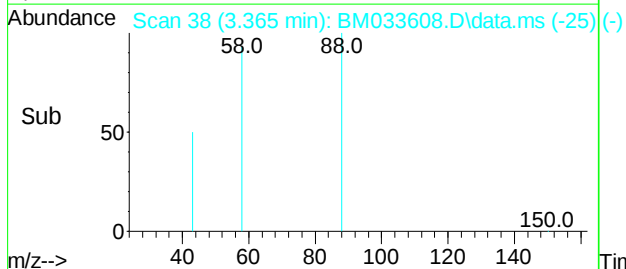
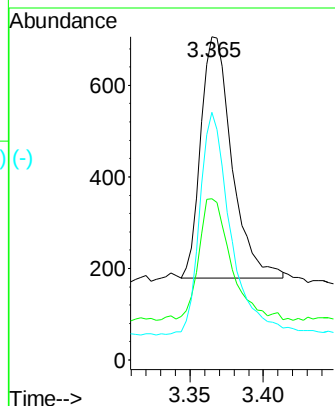
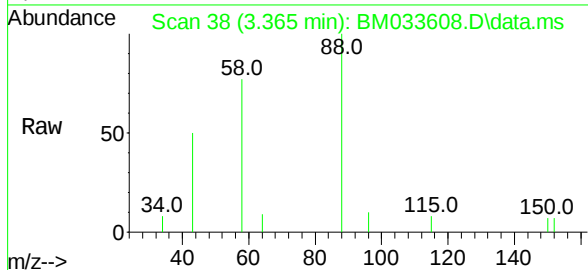




1,4-Dioxane
Concen: 2.973 ng/ul
RT: 3.365 min Scan#
Delta R.T. -0.004 min
Lab File: BM033608.D
Acq: 23 Dec 2021 11:24

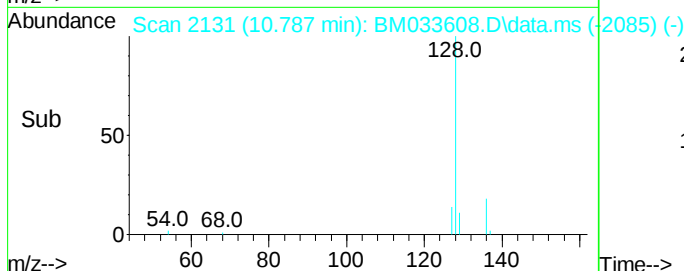
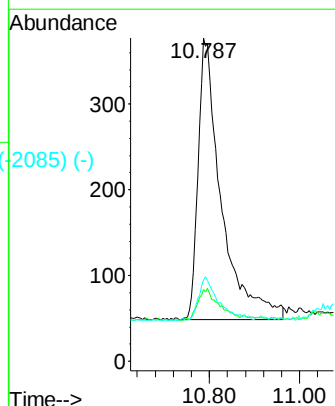
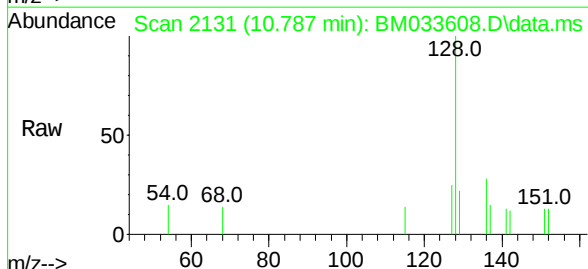
Instrument :
BNA_M
ClientSampleId :
SLCS491

Tgt Ion: 88 Resp: 779
Ion Ratio Lower Upper
88 100
43 49.9 49.7 74.5
58 76.6 52.5 78.7



Naphthalene
Concen: 0.428 ng/ul
RT: 10.787 min Scan# 2131
Delta R.T. 0.009 min
Lab File: BM033608.D
Acq: 23 Dec 2021 11:24

Tgt Ion:128 Resp: 1163
Ion Ratio Lower Upper
128 100
129 22.3 13.4 20.2#
127 25.2 15.2 22.8#



Abundance Scan 2493 (12.416 min): BM033594.D\data.ms (-2471) (-)

2-Methylnaphthalene

Concen: 0.380 ng/u1

RT: 12.415 min Scan# 2493

Delta R.T. 0.022 min

Lab File: BM033608.D

Acq: 23 Dec 2021 11:24

Instrument :

BNA_M

ClientSampleId :

SLCS491

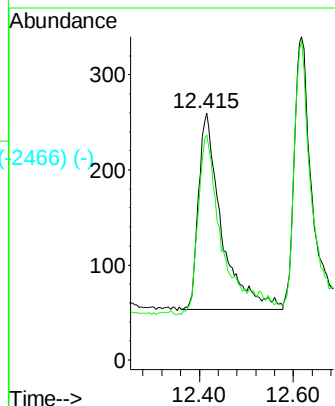
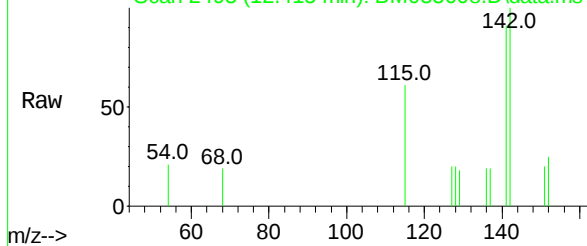
Tgt Ion:142 Resp: 704

Ion Ratio Lower Upper

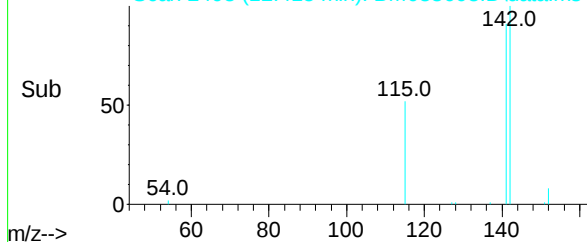
142 100

141 98.0 71.8 107.6

Abundance Scan 2493 (12.415 min): BM033608.D\data.ms



Abundance Scan 2493 (12.415 min): BM033608.D\data.ms (-2466) (-)



Abundance Scan 2538 (12.618 min): BM033594.D\data.ms (-2530) (-)

1-Methylnaphthalene

Concen: 0.405 ng/u1

RT: 12.618 min Scan# 2538

Delta R.T. 0.009 min

Lab File: BM033608.D

Acq: 23 Dec 2021 11:24

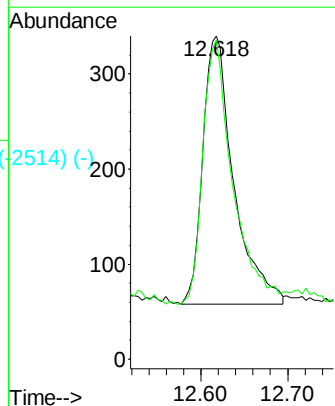
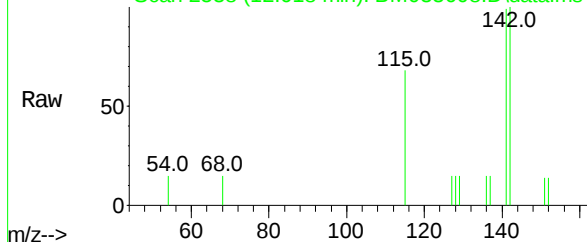
Tgt Ion:142 Resp: 700

Ion Ratio Lower Upper

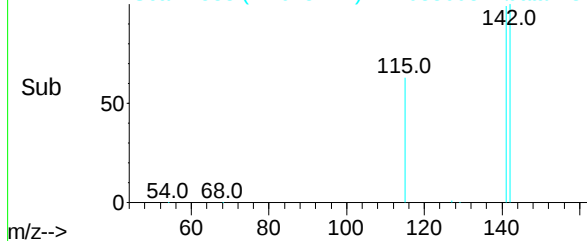
142 100

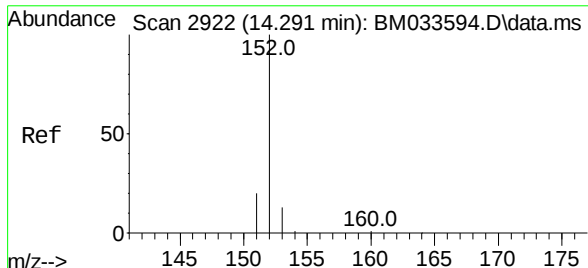
141 95.4 75.0 112.4

Abundance Scan 2538 (12.618 min): BM033608.D\data.ms



Abundance Scan 2538 (12.618 min): BM033608.D\data.ms (-2514) (-)

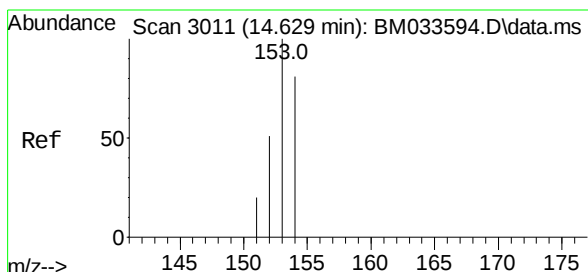
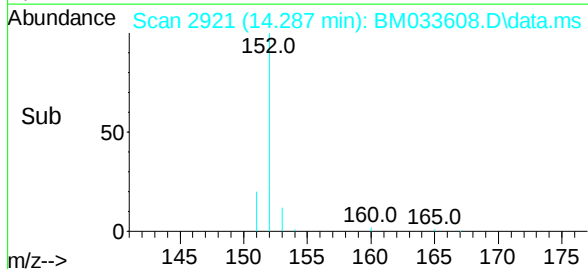
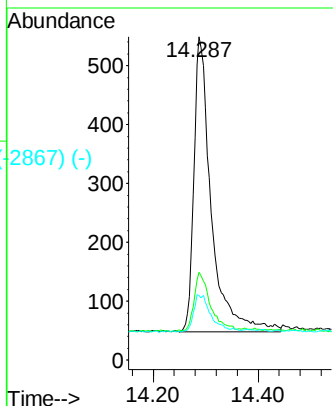
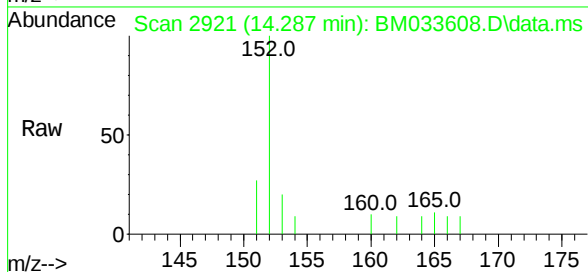




Scan 2922 (14.291 min): BM033594.D\data.ms (-2919) (-)
 Acenaphthylene
 Concen: 0.447 ng/ul
 RT: 14.287 min Scan# 1
 Delta R.T. 0.004 min
 Lab File: BM033608.D
 Acq: 23 Dec 2021 11:24

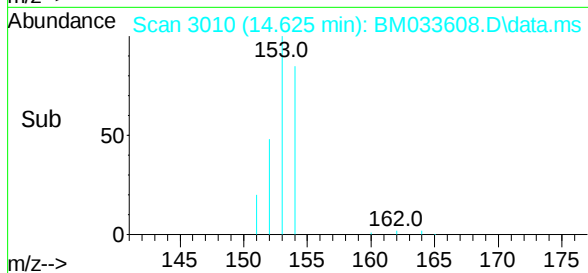
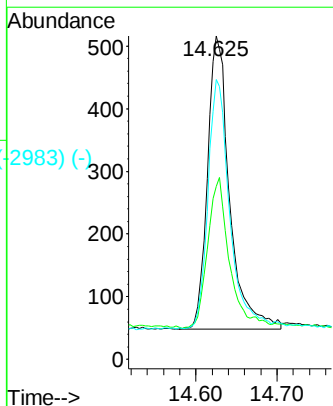
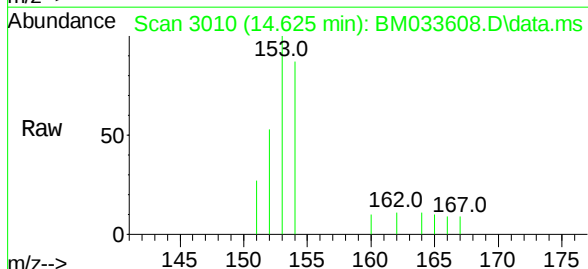
Instrument :
 BNA_M
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 SLCS491

Tgt Ion:	152	Resp:	1149
Ion	Ratio	Lower	Upper
152	100		
151	27.1	19.9	29.9
153	20.0	15.0	22.4

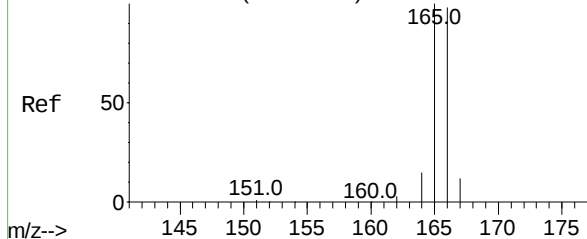


Scan 3011 (14.629 min): BM033594.D\data.ms (-2911) (-)
 Acenaphthene
 Concen: 0.453 ng/ul
 RT: 14.625 min Scan# 3010
 Delta R.T. 0.004 min
 Lab File: BM033608.D
 Acq: 23 Dec 2021 11:24

Tgt Ion:	153	Resp:	889
Ion	Ratio	Lower	Upper
153	100		
152	53.5	42.4	63.6
154	86.6	66.2	99.2



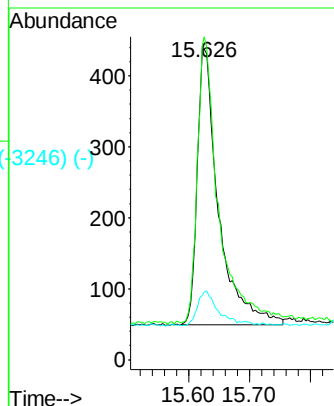
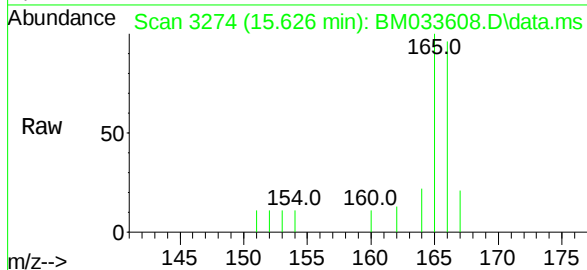
Abundance Scan 3275 (15.630 min): BM033594.D\data.ms (-3275) (-)



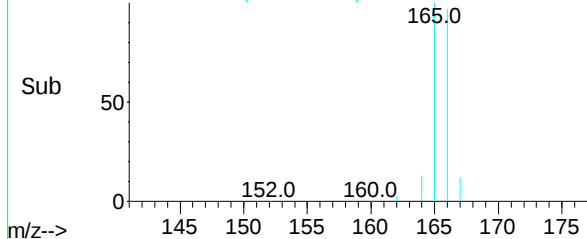
Fluorene
Concen: 0.437 ng/ul
RT: 15.626 min Scan# 3274
Delta R.T. 0.007 min
Lab File: BM033608.D
Acq: 23 Dec 2021 11:24

Instrument :
BNA_M
ClientSampleId :
SLCS491

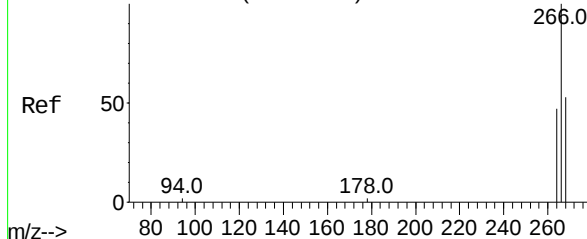
Tgt Ion:	166	Resp:	949
Ion	Ratio	Lower	Upper
166	100		
165	103.9	81.1	121.7
167	21.7	14.9	22.3



Abundance Scan 3274 (15.626 min): BM033608.D\data.ms (-3246) (-)

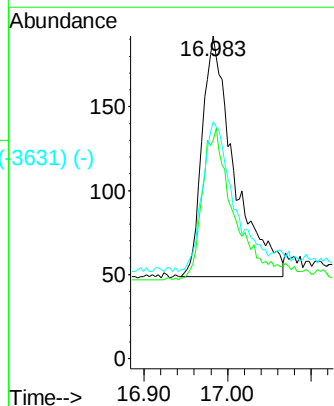
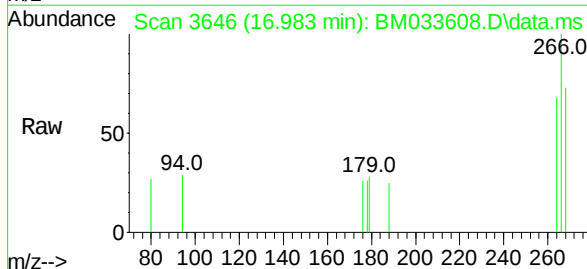


Abundance Scan 3649 (16.993 min): BM033594.D\data.ms (-3649) (-)

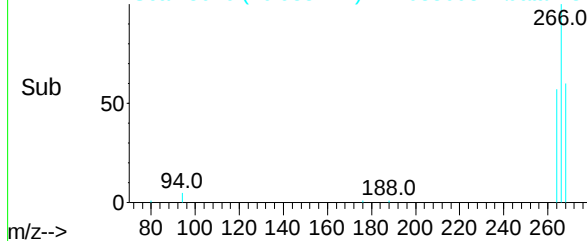


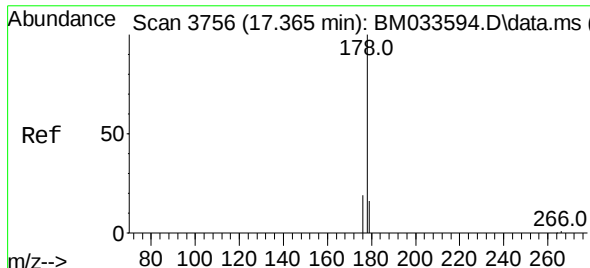
Pentachlorophenol
Concen: 0.767 ng/ul
RT: 16.983 min Scan# 3646
Delta R.T. 0.003 min
Lab File: BM033608.D
Acq: 23 Dec 2021 11:24

Tgt Ion:	266	Resp:	380
Ion	Ratio	Lower	Upper
266	100		
264	62.4	51.4	77.0
268	65.5	53.1	79.7



Abundance Scan 3646 (16.983 min): BM033608.D\data.ms (-3631) (-)

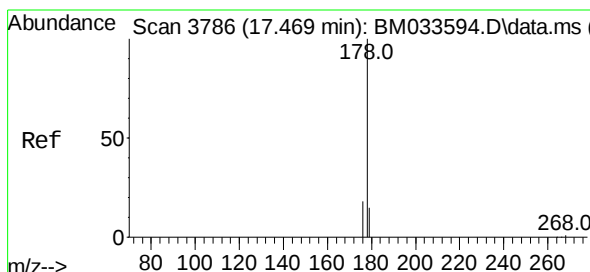
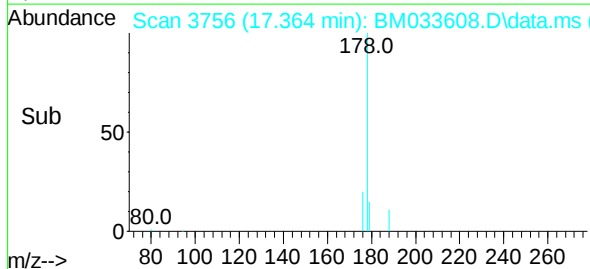
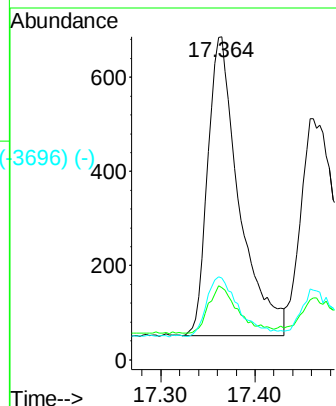
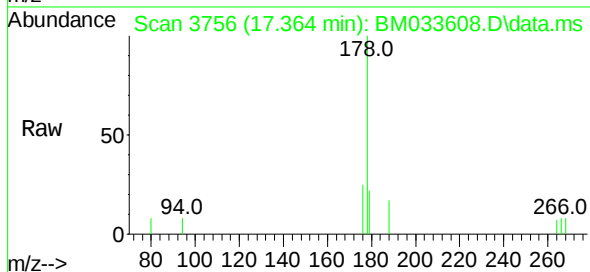




Scan 3756 (17.365 min): BM033594.D\data.ms (-3715) (-)
 Phenanthrene
 Concen: 0.457 ng/ul
 RT: 17.364 min Scan# 3756
 Delta R.T. 0.007 min
 Lab File: BM033608.D
 Acq: 23 Dec 2021 11:24

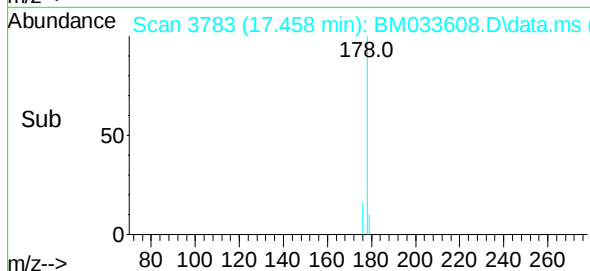
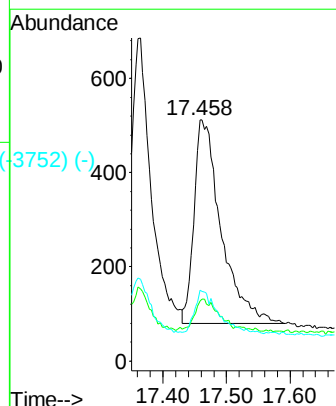
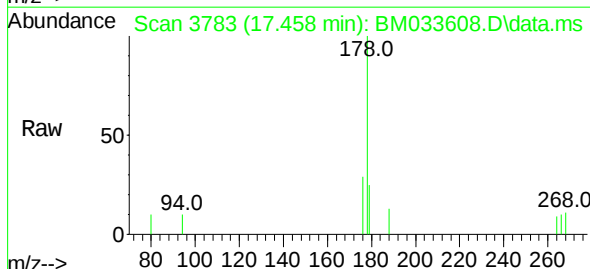
Instrument :
 BNA_M
 ClientSampleId :
 SLCS491

Tgt Ion:	178	Resp:	1467
Ion	Ratio	Lower	Upper
178	100		
179	22.3	15.0	22.6
176	25.2	17.9	26.9

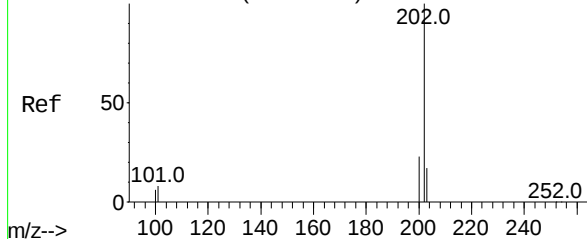


Scan 3786 (17.469 min): BM033594.D\data.ms (-3716) (-)
 Anthracene
 Concen: 0.428 ng/ul
 RT: 17.458 min Scan# 3783
 Delta R.T. 0.007 min
 Lab File: BM033608.D
 Acq: 23 Dec 2021 11:24

Tgt Ion:	178	Resp:	1288
Ion	Ratio	Lower	Upper
178	100		
179	24.8	16.5	24.7#
176	29.3	18.3	27.5#



Abundance Scan 4312 (19.372 min): BM033594.D\data.ms (-4219) (-)



Fluoranthene

Concen: 0.480 ng/ul

RT: 19.368 min Scan# 4311

Delta R.T. 0.003 min

Lab File: BM033608.D

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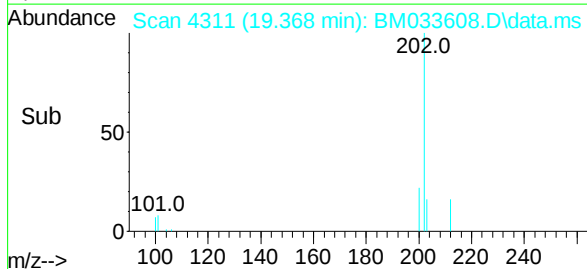
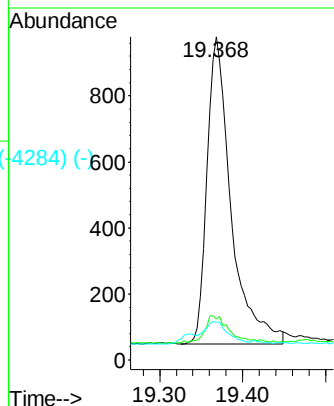
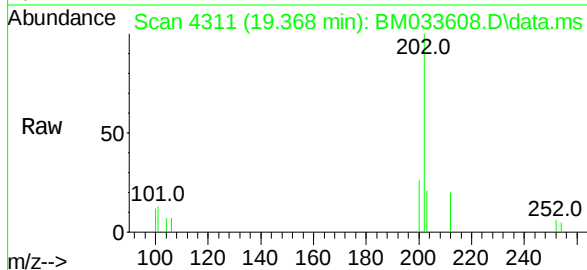
Tgt Ion:202 Resp: 1863

Ion Ratio Lower Upper

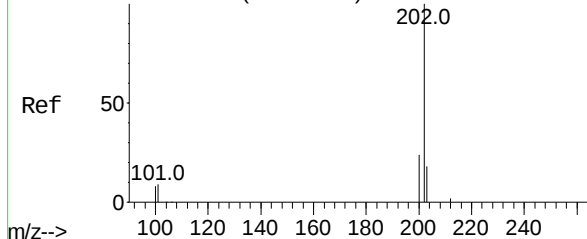
202 100

101 12.8 9.2 13.8

100 11.7 7.2 10.8#



Abundance Scan 4406 (19.731 min): BM033594.D\data.ms (-4320) (-)



Pyrene

Concen: 0.486 ng/ul

RT: 19.730 min Scan# 4406

Delta R.T. -0.001 min

Lab File: BM033608.D

Acq: 23 Dec 2021 11:24

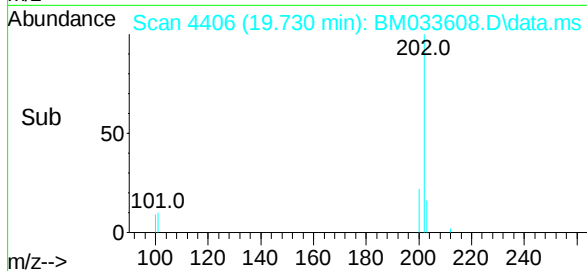
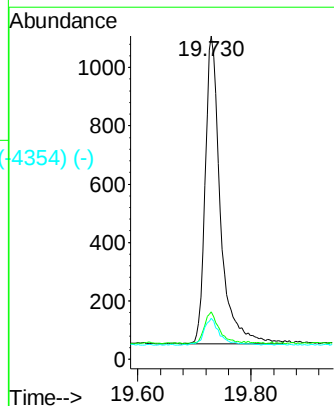
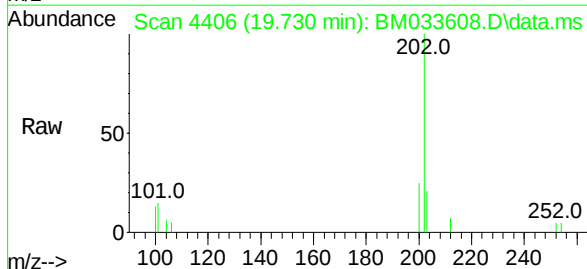
Tgt Ion:202 Resp: 1974

Ion Ratio Lower Upper

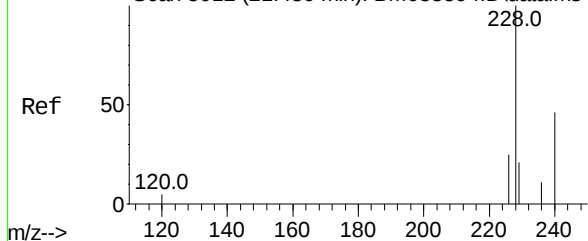
202 100

101 14.7 9.3 13.9#

100 12.6 7.8 11.6#



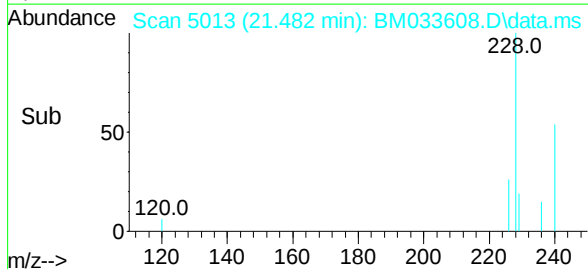
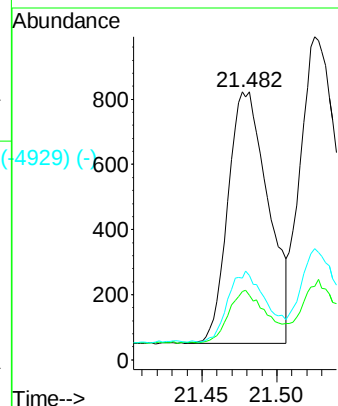
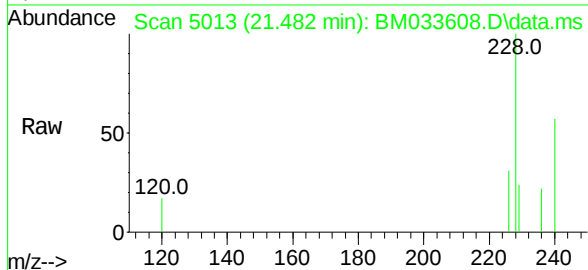
Abundance Scan 5012 (21.480 min): BM033594.D\data.ms (-4929) (-)



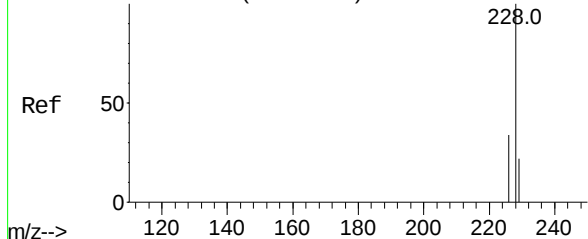
Benzo(a)anthracene
Concen: 0.417 ng/ul
RT: 21.482 min Scan# 5012
Delta R.T. 0.004 min
Lab File: BM033608.D
Acq: 23 Dec 2021 11:24

Instrument :
BNA_M
ClientSampleId :
SLCS491

Tgt Ion:	228	Resp:	1449
Ion	Ratio	Lower	Upper
228	100		
229	24.2	17.3	25.9
226	31.3	23.2	34.8

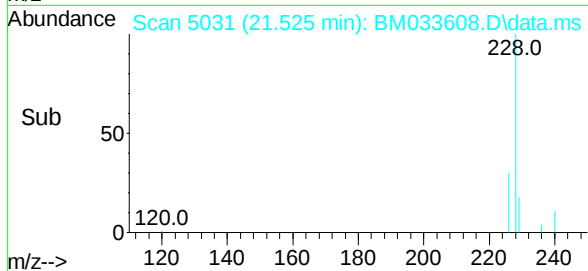
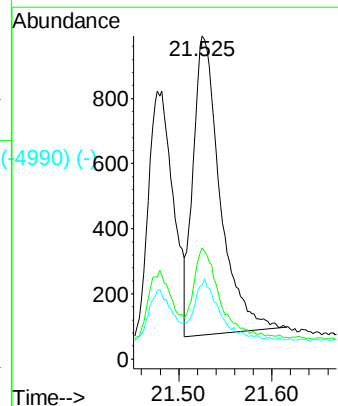
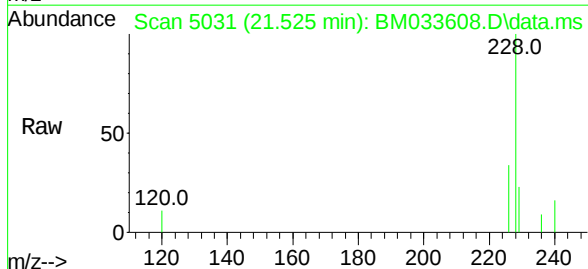


Abundance Scan 5032 (21.528 min): BM033594.D\data.ms (-5022) (-)



Chrysene
Concen: 0.470 ng/ul
RT: 21.525 min Scan# 5031
Delta R.T. -0.001 min
Lab File: BM033608.D
Acq: 23 Dec 2021 11:24

Tgt Ion:	228	Resp:	1840
Ion	Ratio	Lower	Upper
228	100		
226	34.5	25.8	38.8
229	22.7	16.7	25.1



Abundance Scan 5704 (23.156 min): BM033594.D\data.ms (-5624) (-)

Benzo(b)fluoranthene

Concen: 0.444 ng/u1

RT: 23.155 min Scan# 5704

Delta R.T. -0.001 min

Lab File: BM033608.D

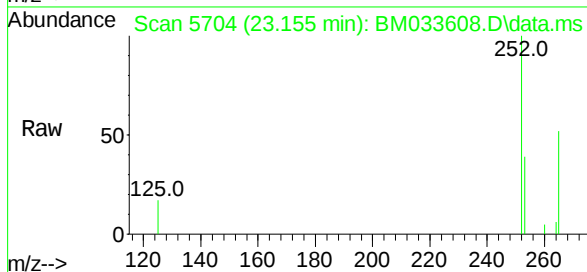
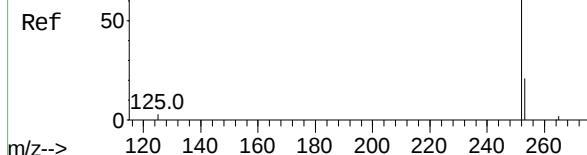
Acq: 23 Dec 2021 11:24

Instrument :

BNA_M

ClientSampleId :

SLCS491



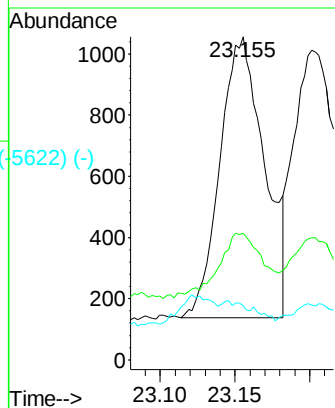
Tgt Ion:252 Resp: 1903

Ion Ratio Lower Upper

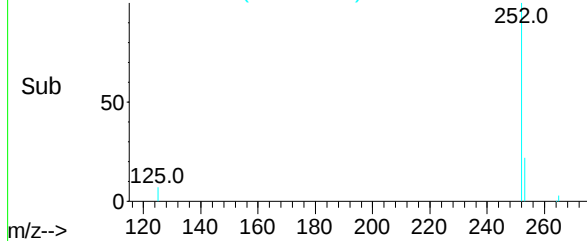
252 100

253 39.2 0.0 64.2

125 16.9 0.0 28.8



Abundance Scan 5704 (23.155 min): BM033608.D\data.ms (-5622) (-)



Abundance Scan 5725 (23.207 min): BM033594.D\data.ms (-5725) (-)

Benzo(k)fluoranthene

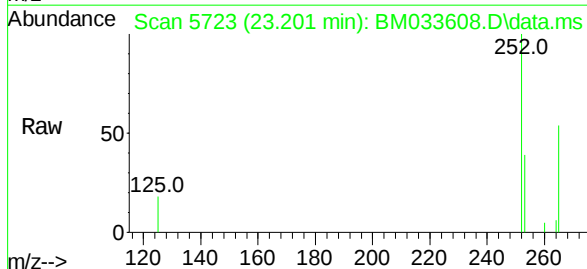
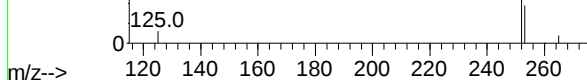
Concen: 0.477 ng/u1

RT: 23.201 min Scan# 5723

Delta R.T. -0.005 min

Lab File: BM033608.D

Acq: 23 Dec 2021 11:24



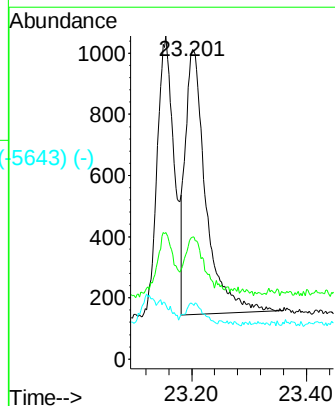
Tgt Ion:252 Resp: 2147

Ion Ratio Lower Upper

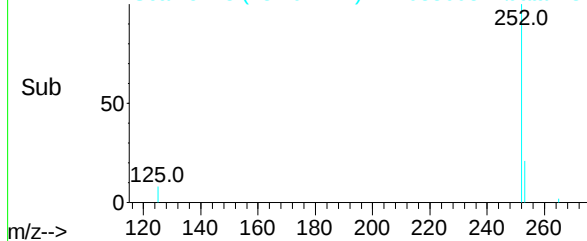
252 100

253 39.4 26.8 40.2

125 17.7 12.0 18.0



Abundance Scan 5723 (23.201 min): BM033608.D\data.ms (-5643) (-)



Abundance Scan 5967 (23.793 min): BM033594.D\data.ms (-5926) (-)

Benzo(a)pyrene

Concen: 0.476 ng/u1

RT: 23.783 min Scan# 5926

Delta R.T. -0.003 min

Lab File: BM033608.D

Acq: 23 Dec 2021 11:24

Instrument :

BNA_M

ClientSampleId :

SLCS491

Tgt Ion:252 Resp: 1892

Ion Ratio Lower Upper

252 100

253 45.5 32.0 48.0

125 23.1 14.5 21.7#

Abundance Scan 5963 (23.783 min): BM033608.D\data.ms

252.0

125.0

Raw

50

0

m/z-->

120 140 160 180 200 220 240 260

Abundance Scan 5963 (23.783 min): BM033608.D\data.ms (-5923) (-)

252.0

125.0

Sub

50

0

m/z-->

120 140 160 180 200 220 240 260

Abundance

23.783

600

400

200

0

Time-->

23.80

Abundance Scan 7035 (26.381 min): BM033594.D\data.ms (-7001) (-)

Indeno(1,2,3-cd)pyrene

Concen: 0.452 ng/u1

RT: 26.370 min Scan# 7031

Delta R.T. -0.010 min

Lab File: BM033608.D

Acq: 23 Dec 2021 11:24

Tgt Ion:276 Resp: 2487

Ion Ratio Lower Upper

276 100

138 17.7 15.8 23.6

227 0.0 0.0 0.0

Abundance Scan 7031 (26.370 min): BM033608.D\data.ms

276.0

138.0

Raw

50

0

m/z-->

140 160 180 200 220 240 260 280

Abundance Scan 7031 (26.370 min): BM033608.D\data.ms (-6953) (-)

276.0

138.0

Sub

50

0

m/z-->

140 160 180 200 220 240 260 280

Abundance

26.370

400

200

0

Time-->

26.20 26.40 26.60

Abundance Scan 7048 (26.412 min): BM033594.D\data.ms (-728) (-)

Dibenzo(a,h)anthracene

Concen: 0.447 ng/ul

RT: 26.399 min Scan#

Delta R.T. -0.001 min

Lab File: BM033608.D

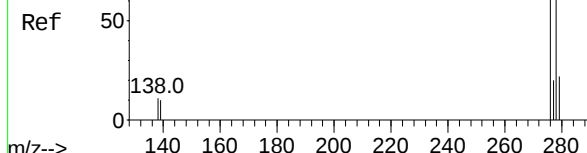
Acq: 23 Dec 2021 11:24

Instrument :

BNA_M

ClientSampleId :

SLCS491



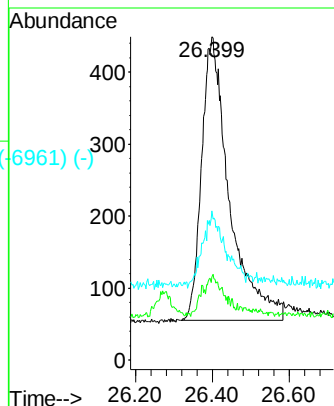
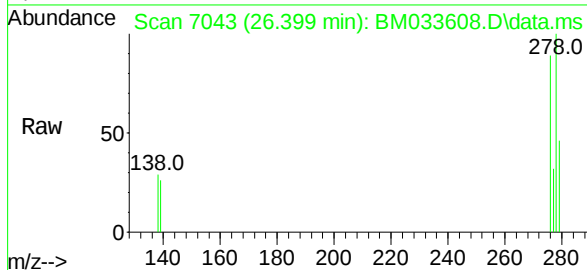
Tgt Ion:278 Resp: 1975

Ion Ratio Lower Upper

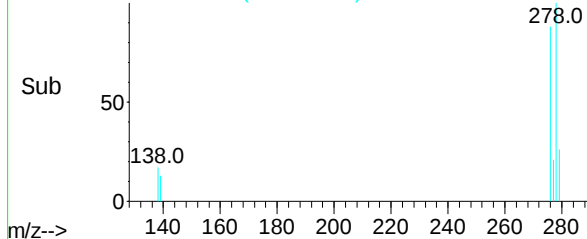
278 100

139 25.8 18.0 27.0

279 46.1 28.6 42.8#



Abundance Scan 7043 (26.399 min): BM033608.D\data.ms (-6961) (-)



Abundance Scan 7343 (27.127 min): BM033594.D\data.ms (-729) (-)

Benzo(g,h,i)perylene

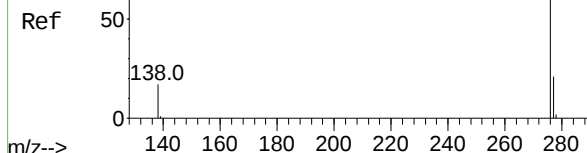
Concen: 0.473 ng/ul

RT: 27.126 min Scan# 7343

Delta R.T. -0.013 min

Lab File: BM033608.D

Acq: 23 Dec 2021 11:24



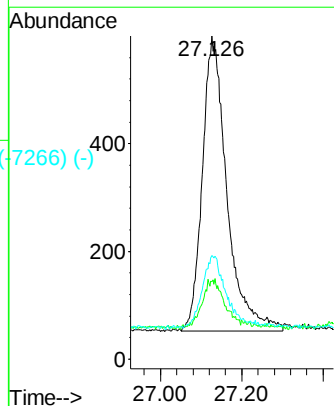
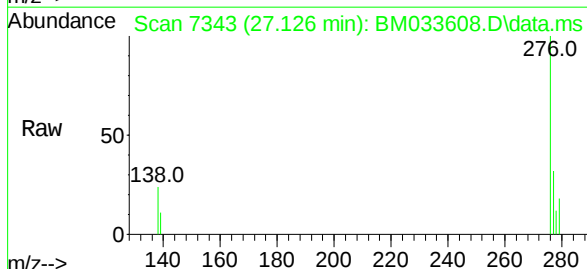
Tgt Ion:276 Resp: 2300

Ion Ratio Lower Upper

276 100

138 24.0 17.4 26.0

277 32.0 22.6 33.8



Abundance Scan 7343 (27.126 min): BM033608.D\data.ms (-7266) (-)

