

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081823\
 Data File : BN026957.D
 Acq On : 18 Aug 2023 13:42
 Operator : MA/JU
 Sample : PB154872BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS872

Quant Time: Aug 18 15:05:41 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 18 13:11:26 2023
 Response via : Initial Calibration

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

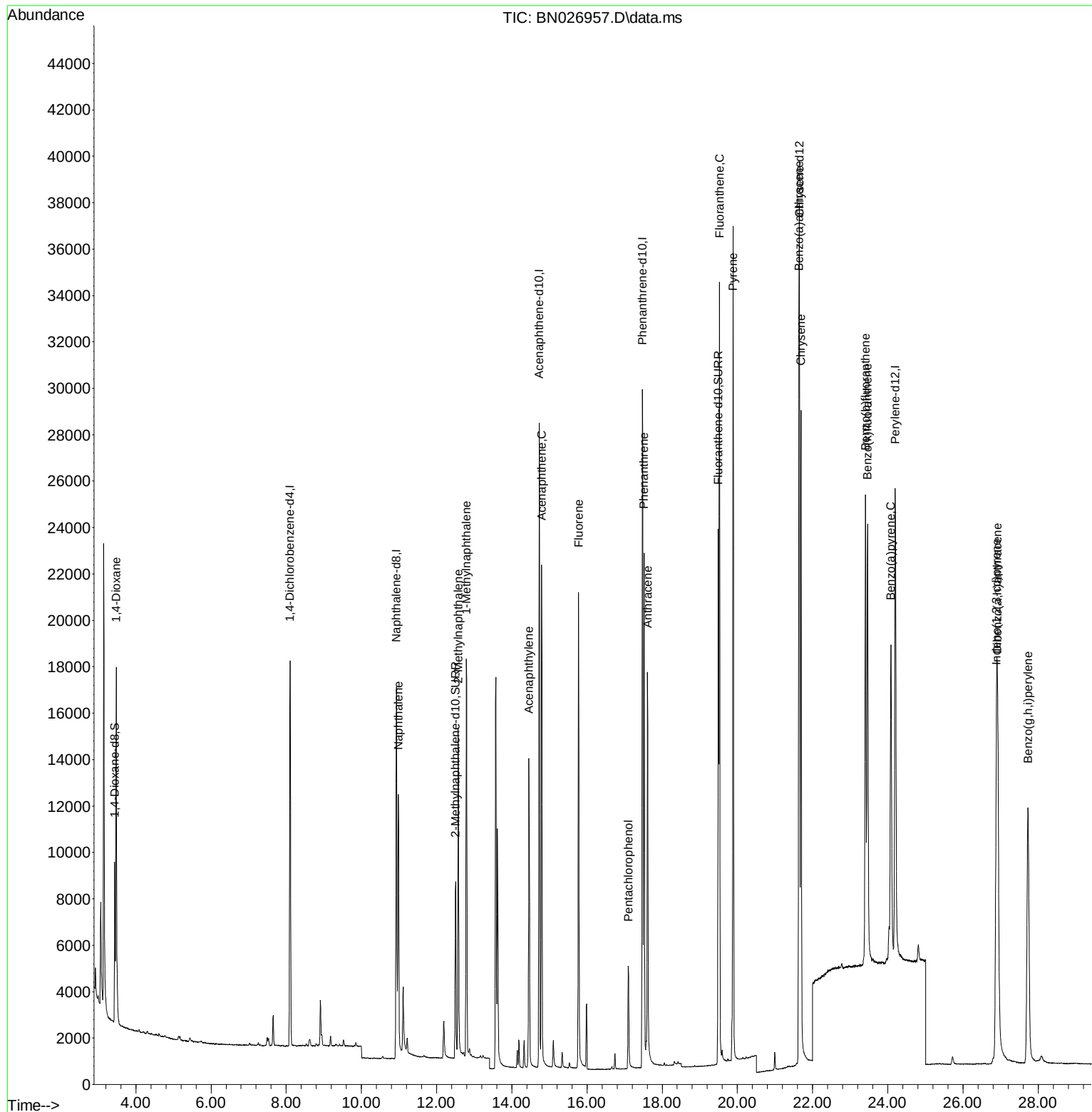
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	8621	0.400	ng/ul	0.00
4) Naphthalene-d8	10.933	136	25075	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.730	164	15723	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.477	188	34930	0.400	ng/ul	0.00
17) Chrysene-d12	21.653	240	29850	0.400	ng/ul	0.00
23) Perylene-d12	24.199	264	31771	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	4918	0.481	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.505	152	10542	0.286	ng/ul	0.00
18) Fluoranthene-d10	19.492	212	25428	0.270	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.477	88	11732	1.123	ng/ul#	94
5) Naphthalene	10.982	128	16467	0.232	ng/ul	99
7) 2-Methylnaphthalene	12.577	142	10691	0.249	ng/ul	100
8) 1-Methylnaphthalene	12.791	142	11991	0.267	ng/ul	99
10) Acenaphthylene	14.458	152	16132	0.183	ng/ul	99
11) Acenaphthene	14.795	153	13001	0.213	ng/ul	100
12) Fluorene	15.776	166	14454	0.210	ng/ul	99
14) Pentachlorophenol	17.101	266	3264	0.330	ng/ul	99
15) Phenanthrene	17.519	178	24481	0.213	ng/ul	100
16) Anthracene	17.612	178	20110	0.194	ng/ul	100
19) Fluoranthene	19.524	202	29246	0.236	ng/ul	99
20) Pyrene	19.887	202	30582	0.231	ng/ul	100
21) Benzo(a)anthracene	21.635	228	26427	0.223	ng/ul	100
22) Chrysene	21.691	228	27892	0.238	ng/ul	100
24) Benzo(b)fluoranthene	23.410	252	30277	0.252	ng/ul	96
25) Benzo(k)fluoranthene	23.462	252	29556	0.249	ng/ul#	95
26) Benzo(a)pyrene	24.085	252	26108	0.241	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.891	276	33398	0.235	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.924	278	25775	0.228	ng/ul	97
29) Benzo(g,h,i)perylene	27.729	276	28995	0.245	ng/ul	99

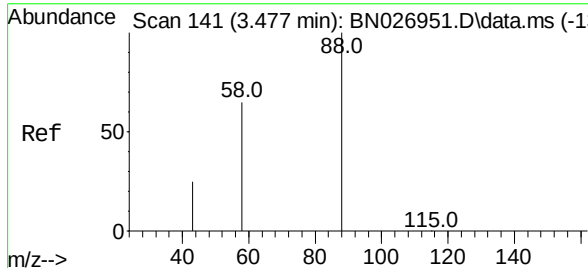
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1,4-Dioxane

Concen: 1.123 ng/ul

RT: 3.477 min Scan#

Delta R.T. -0.000 min

Lab File: BN026957.D

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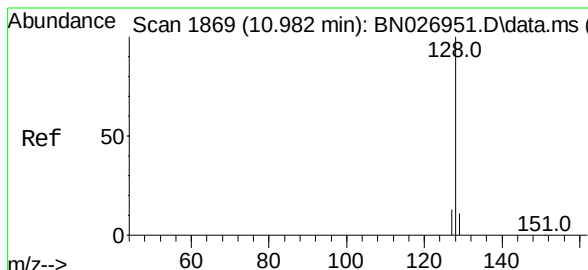
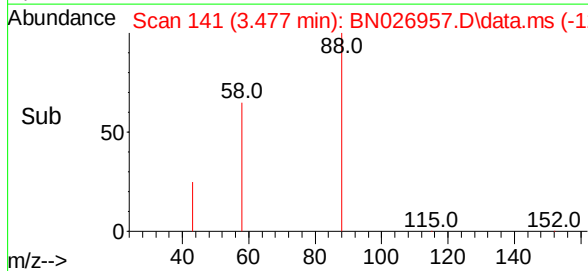
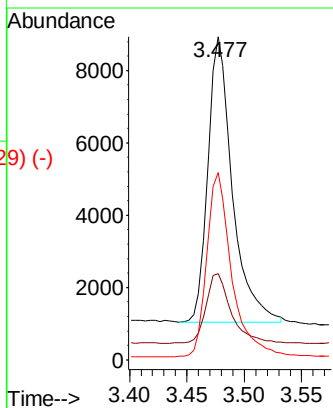
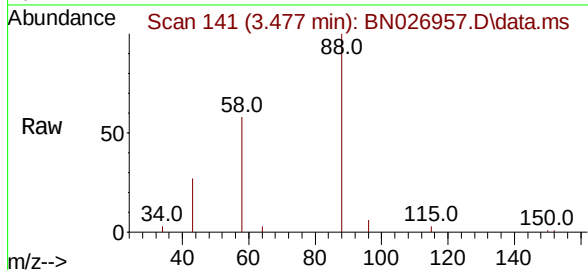
Tgt Ion: 88 Resp: 11732

Ion Ratio Lower Upper

88 100

43 26.8 28.0 42.0#

58 57.9 46.0 69.0



Naphthalene

Concen: 0.232 ng/ul

RT: 10.982 min Scan# 1869

Delta R.T. -0.000 min

Lab File: BN026957.D

Acq: 18 Aug 2023 13:42

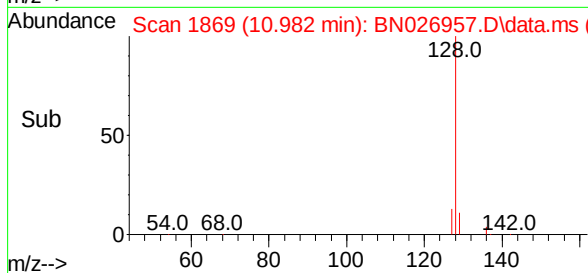
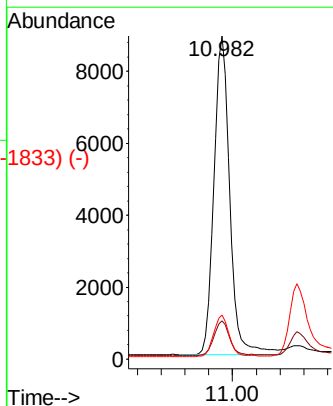
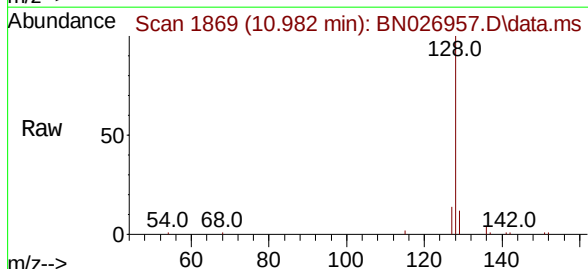
Tgt Ion:128 Resp: 16467

Ion Ratio Lower Upper

128 100

129 11.9 9.2 13.8

127 13.6 10.5 15.7



Abundance Scan 2159 (12.577 min): BN026951.D\data.ms (-2157) (-)

2-Methylnaphthalene

Concen: 0.249 ng/ul

RT: 12.577 min Scan# 2159

Delta R.T. -0.000 min

Lab File: BN026957.D

Acq: 18 Aug 2023 13:42

Instrument :

BNA_N

ClientSampleId :

SLCS872

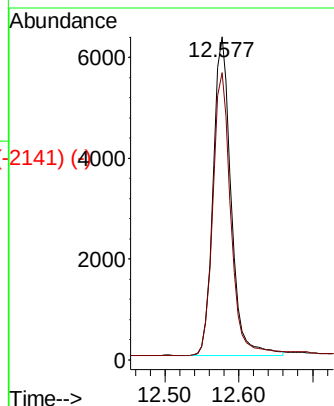
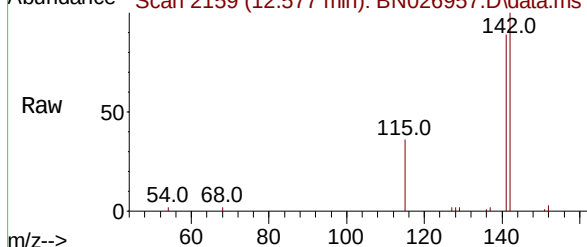
Tgt Ion:142 Resp: 10691

Ion Ratio Lower Upper

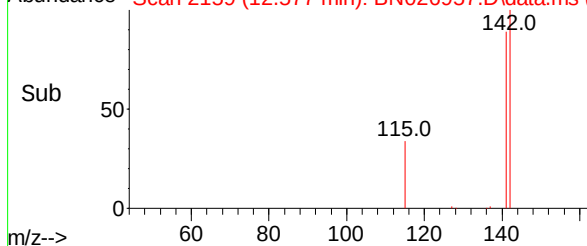
142 100

141 88.9 70.9 106.3

Abundance Scan 2159 (12.577 min): BN026957.D\data.ms



Abundance Scan 2159 (12.577 min): BN026957.D\data.ms (-2141) (-)



Abundance Scan 2198 (12.791 min): BN026951.D\data.ms (-2198) (-)

1-Methylnaphthalene

Concen: 0.267 ng/ul

RT: 12.791 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BN026957.D

Acq: 18 Aug 2023 13:42

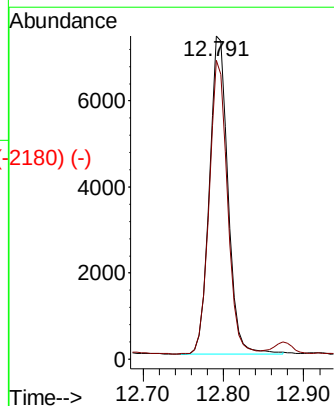
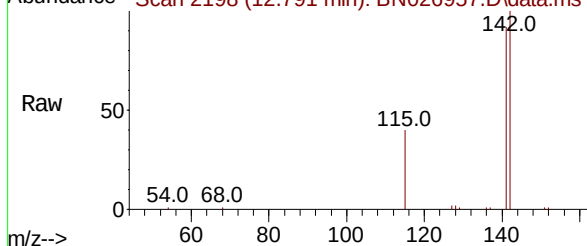
Tgt Ion:142 Resp: 11991

Ion Ratio Lower Upper

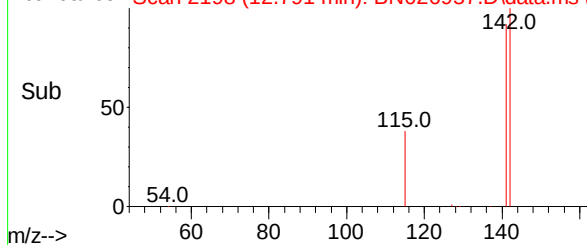
142 100

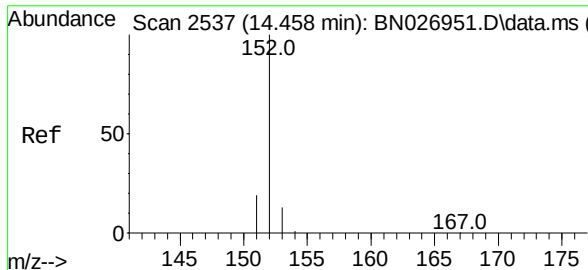
141 90.9 73.2 109.8

Abundance Scan 2198 (12.791 min): BN026957.D\data.ms



Abundance Scan 2198 (12.791 min): BN026957.D\data.ms (-2180) (-)





Acenaphthylene

Concen: 0.183 ng/ul

RT: 14.458 min Scan# 2537

Delta R.T. -0.000 min

Lab File: BN026957.D

Acq: 18 Aug 2023 13:42

Instrument :

BNA_N

ClientSampleId :

SLCS872

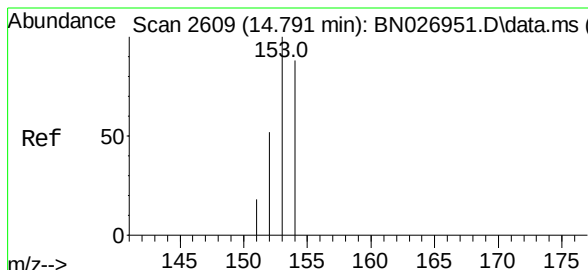
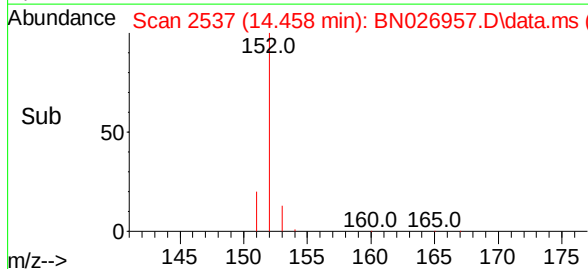
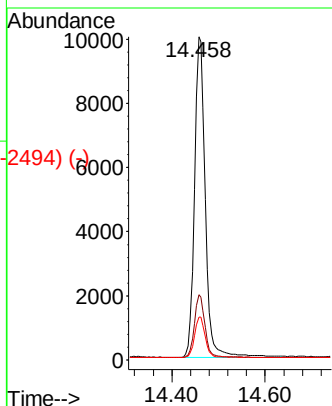
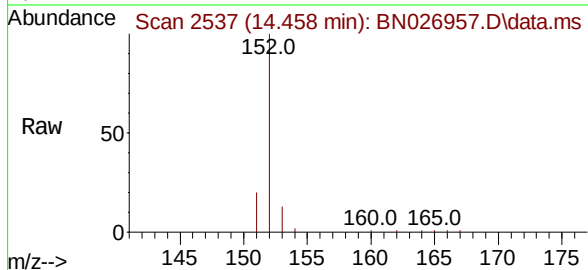
Tgt Ion:152 Resp: 16132

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

153 13.3 11.0 16.6



Acenaphthene

Concen: 0.213 ng/ul

RT: 14.795 min Scan# 2610

Delta R.T. 0.004 min

Lab File: BN026957.D

Acq: 18 Aug 2023 13:42

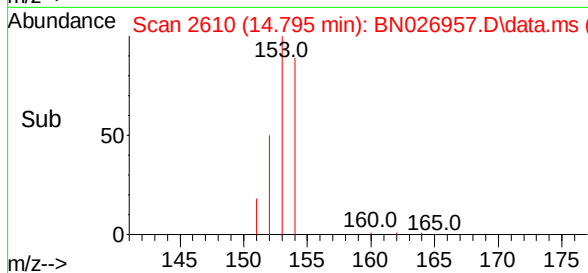
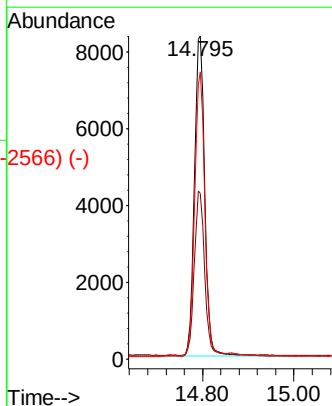
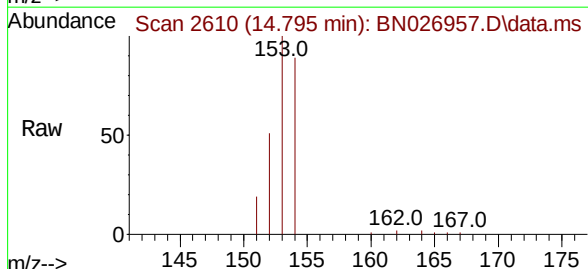
Tgt Ion:153 Resp: 13001

Ion Ratio Lower Upper

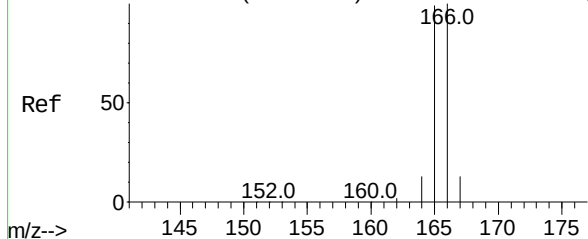
153 100

152 51.3 41.1 61.7

154 89.0 71.6 107.4



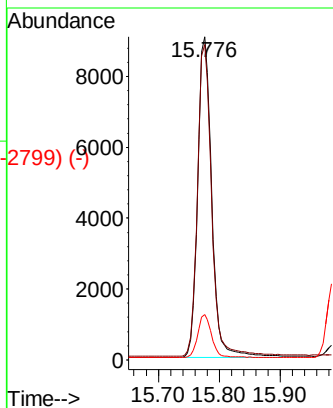
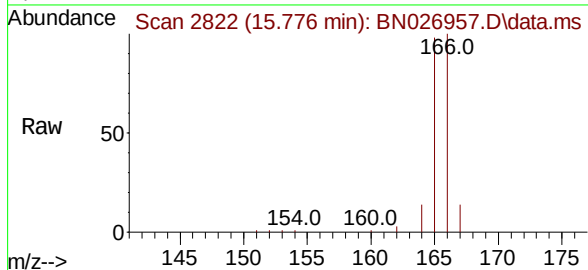
Abundance Scan 2821 (15.772 min): BN026951.D\data.ms (-2812) (-)



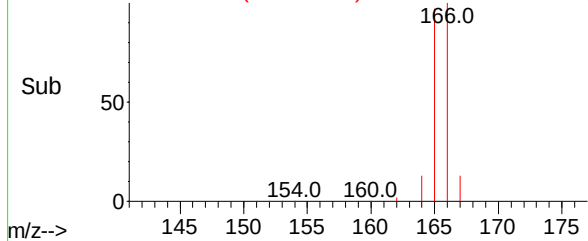
Fluorene
Concen: 0.210 ng/ul
RT: 15.776 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN026957.D
Acq: 18 Aug 2023 13:42

Instrument :
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SLCS872

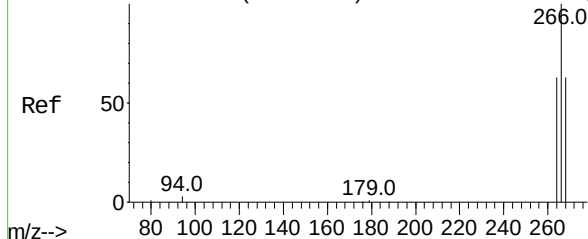
Tgt Ion:	166	Resp:	14454
Ion Ratio	Lower	Upper	
166	100		
165	97.6	79.1	118.7
167	14.0	11.4	17.0



Abundance Scan 2822 (15.776 min): BN026957.D\data.ms (-2799) (-)

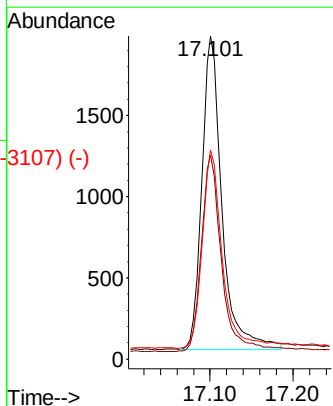
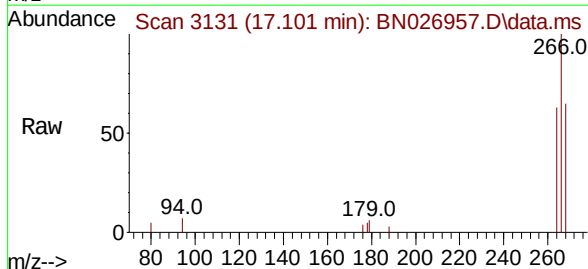


Abundance Scan 3131 (17.101 min): BN026951.D\data.ms (-3119) (-)

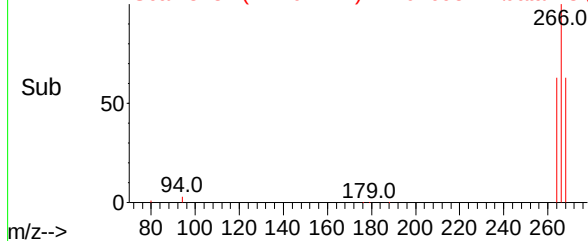


Pentachlorophenol
Concen: 0.330 ng/ul
RT: 17.101 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BN026957.D
Acq: 18 Aug 2023 13:42

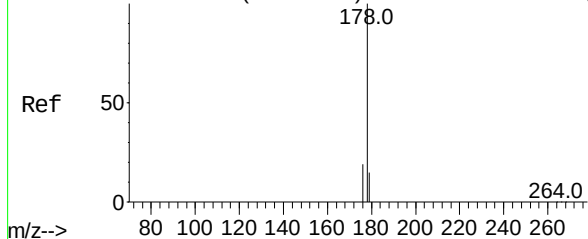
Tgt Ion:	266	Resp:	3264
Ion Ratio	Lower	Upper	
266	100		
264	62.7	50.4	75.6
268	63.1	51.2	76.8



Abundance Scan 3131 (17.101 min): BN026957.D\data.ms (-3107) (-)



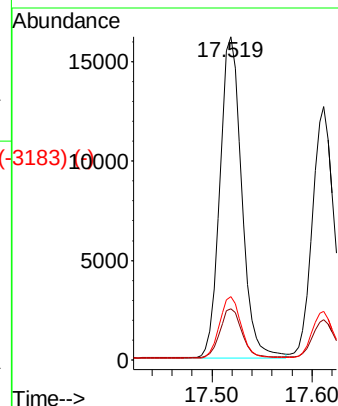
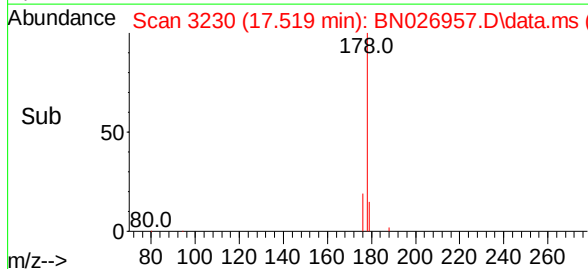
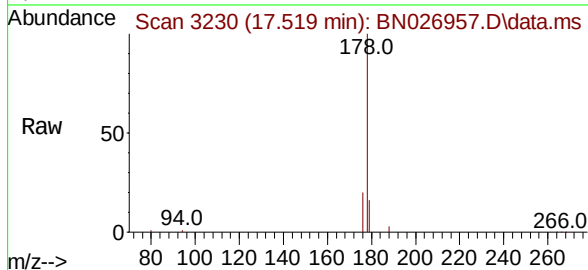
Abundance Scan 3230 (17.519 min): BN026951.D\data.ms (-3219) (-)



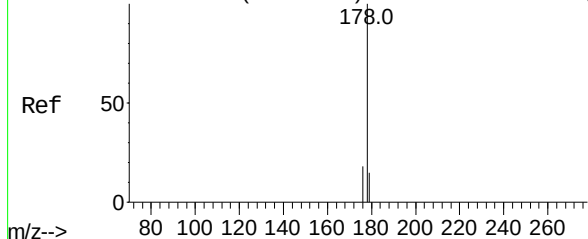
Phenanthrene
Concen: 0.213 ng/ul
RT: 17.519 min Scan# 3219
Delta R.T. -0.000 min
Lab File: BN026957.D
Acq: 18 Aug 2023 13:42

Instrument :
BNA_N
ClientSampleId :
SLCS872

Tgt Ion:	178	Resp:	24481
Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	18.8
176	19.5	15.4	23.2

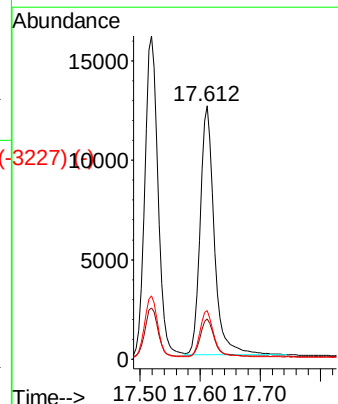
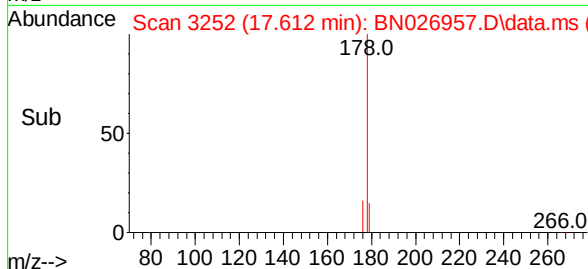
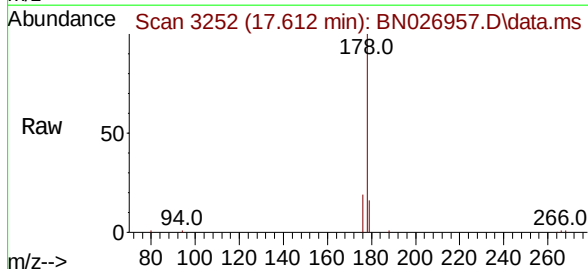


Abundance Scan 3251 (17.608 min): BN026951.D\data.ms (-3219) (-)

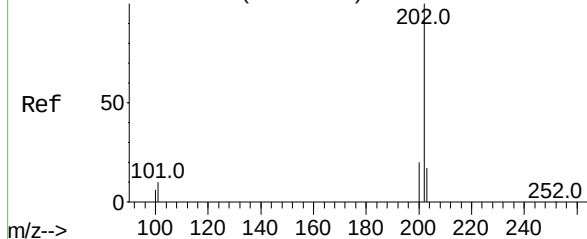


Anthracene
Concen: 0.194 ng/ul
RT: 17.612 min Scan# 3252
Delta R.T. 0.004 min
Lab File: BN026957.D
Acq: 18 Aug 2023 13:42

Tgt Ion:	178	Resp:	20110
Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	19.0
176	19.0	15.0	22.6



Abundance Scan 3683 (19.525 min): BN026951.D\data.ms (-3671) (-)



Fluoranthene

Concen: 0.236 ng/ul

RT: 19.524 min Scan# 3683

Delta R.T. -0.000 min

Lab File: BN026957.D

Acq: 18 Aug 2023 13:42

Instrument :

BNA_N

ClientSampleId :

SLCS872

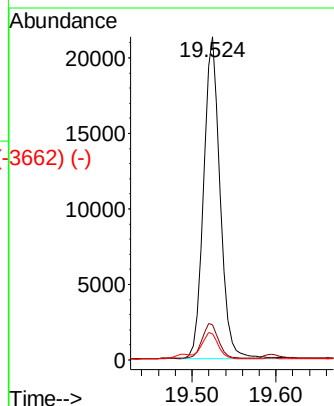
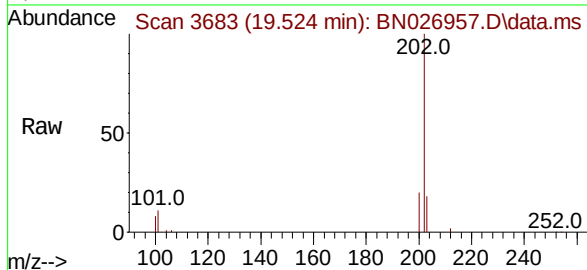
Tgt Ion:202 Resp: 29246

Ion Ratio Lower Upper

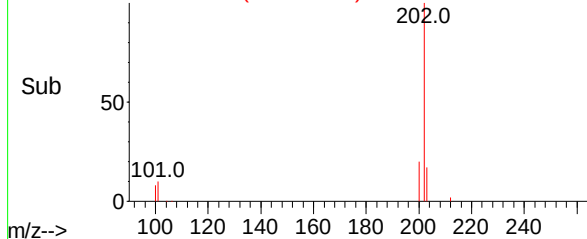
202 100

101 10.8 8.3 12.5

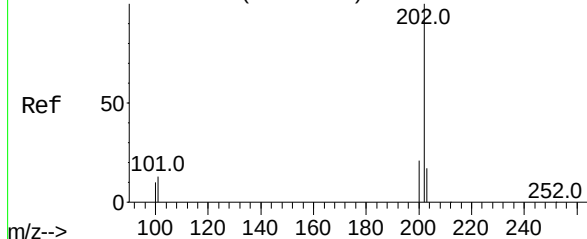
100 8.0 6.2 9.2



Abundance Scan 3683 (19.524 min): BN026957.D\data.ms (-3662) (-)



Abundance Scan 3761 (19.887 min): BN026951.D\data.ms (-3749) (-)



Pyrene

Concen: 0.231 ng/ul

RT: 19.887 min Scan# 3761

Delta R.T. -0.000 min

Lab File: BN026957.D

Acq: 18 Aug 2023 13:42

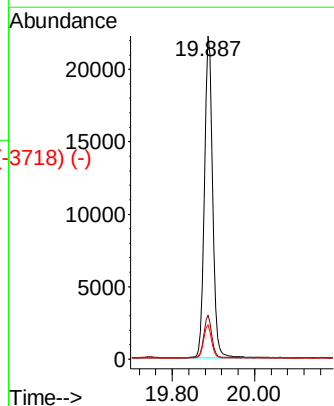
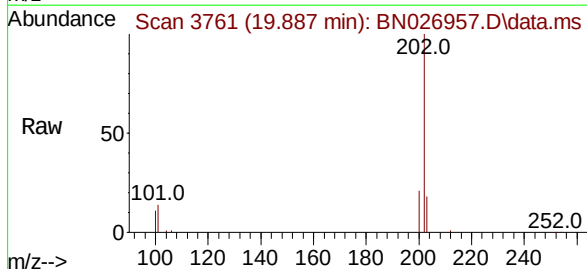
Tgt Ion:202 Resp: 30582

Ion Ratio Lower Upper

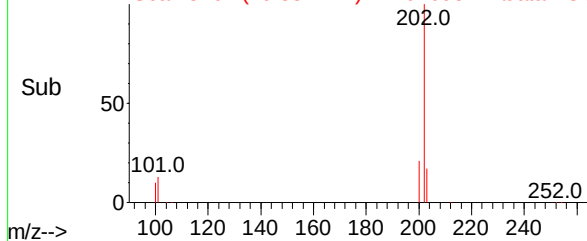
202 100

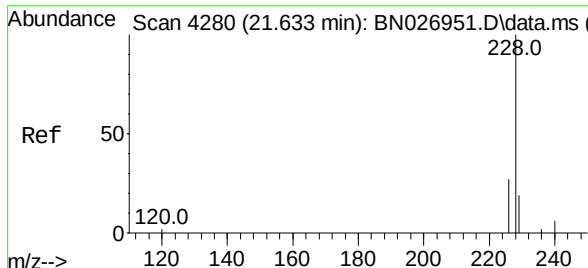
101 13.6 10.7 16.1

100 10.6 8.5 12.7



Abundance Scan 3761 (19.887 min): BN026957.D\data.ms (-3718) (-)

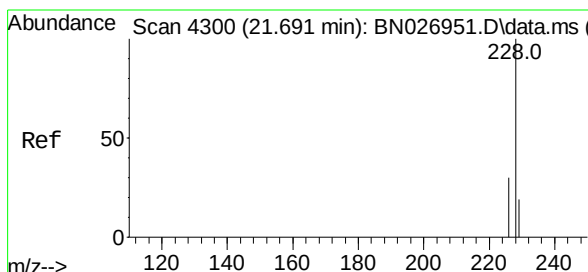
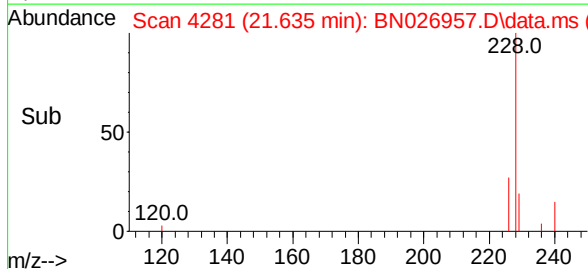
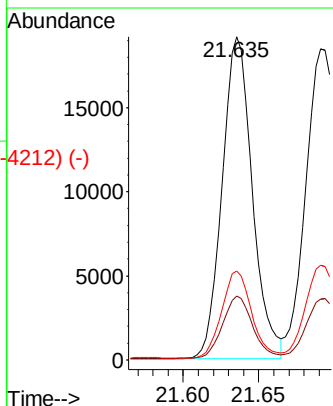
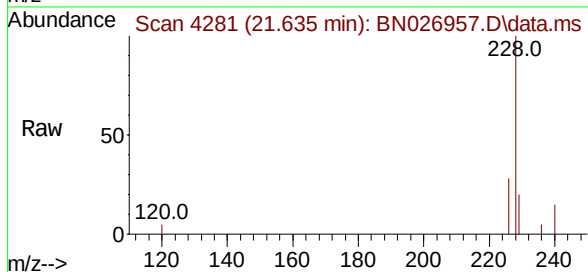




Scan 4280 (21.633 min): BN026951.D\data.ms (-4280) (-)
 Benzo(a)anthracene
 Concen: 0.223 ng/ul
 RT: 21.635 min Scan# 4280
 Delta R.T. 0.003 min
 Lab File: BN026957.D
 Acq: 18 Aug 2023 13:42

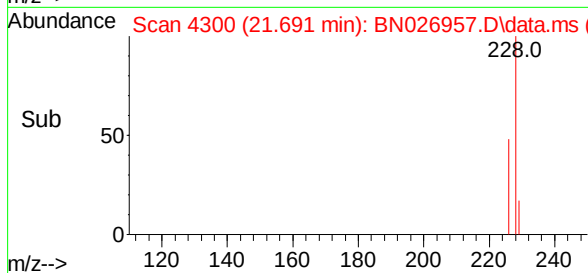
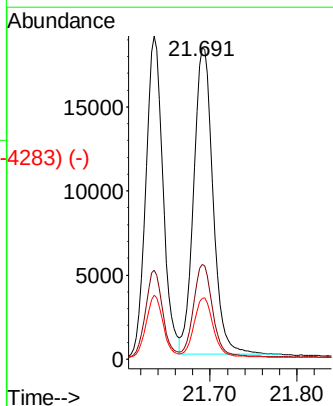
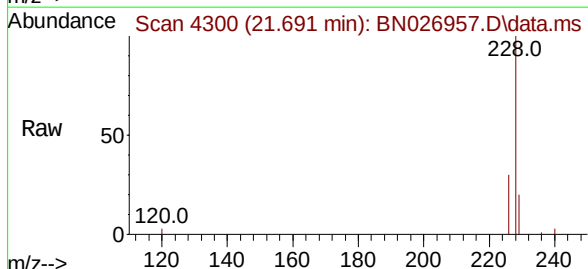
Instrument :
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Tgt Ion:	228	Resp:	26427
Ion	Ratio	Lower	Upper
228	100		
229	19.8	16.0	24.0
226	27.5	22.2	33.2



Scan 4300 (21.691 min): BN026951.D\data.ms (-4300) (-)
 Chrysene
 Concen: 0.238 ng/ul
 RT: 21.691 min Scan# 4300
 Delta R.T. -0.000 min
 Lab File: BN026957.D
 Acq: 18 Aug 2023 13:42

Tgt Ion:	228	Resp:	27892
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	36.8
229	19.6	15.8	23.6



Abundance Scan 4887 (23.407 min): BN026951.D\data.ms (-4824)

Benzo(b)fluoranthene

Concen: 0.252 ng/ul

RT: 23.410 min Scan# 4888

Delta R.T. 0.003 min

Lab File: BN026957.D

Acq: 18 Aug 2023 13:42

Instrument :

BNA_N

ClientSampleId :

SLCS872

Tgt Ion:252 Resp: 30277

Ion Ratio Lower Upper

252 100

253 24.7 0.0 46.8

125 15.2 0.0 25.2

Abundance Scan 4888 (23.410 min): BN026957.D\data.ms

Raw

252.0

125.0

m/z-->

120 140 160 180 200 220 240 260

Abundance Scan 4888 (23.410 min): BN026957.D\data.ms (-4819)

Sub

252.0

125.0

m/z-->

120 140 160 180 200 220 240 260

Abundance

15000

23.410

10000

5000

0

Time-->

23.30 23.40

Abundance Scan 4905 (23.460 min): BN026951.D\data.ms (-4825)

Benzo(k)fluoranthene

Concen: 0.249 ng/ul

RT: 23.462 min Scan# 4906

Delta R.T. 0.003 min

Lab File: BN026957.D

Acq: 18 Aug 2023 13:42

Tgt Ion:252 Resp: 29556

Ion Ratio Lower Upper

252 100

253 24.5 18.2 27.4

125 15.4 9.9 14.9#

Abundance Scan 4906 (23.462 min): BN026957.D\data.ms

Raw

252.0

125.0

m/z-->

120 140 160 180 200 220 240 260

Abundance Scan 4906 (23.462 min): BN026957.D\data.ms (-4888)

Sub

264.0

125.0

m/z-->

120 140 160 180 200 220 240 260

Abundance

15000

23.462

10000

5000

0

Time-->

23.40 23.50 23.60

Abundance Scan 5119 (24.085 min): BN026951.D\data.ms (-5026) (-)

Benzo(a)pyrene

Concen: 0.241 ng/ul

RT: 24.085 min Scan# 5119

Delta R.T. -0.000 min

Lab File: BN026957.D

Acq: 18 Aug 2023 13:42

Instrument :

BNA_N

ClientSampleId :

SLCS872

Tgt Ion:252 Resp: 26108

Ion Ratio Lower Upper

252 100

253 26.3 19.0 28.6

125 18.4 11.4 17.0#

Abundance Scan 5119 (24.085 min): BN026957.D\data.ms

Ref 50 125.0 252.0

m/z--> 120 140 160 180 200 220 240 260

Raw 50 125.0 252.0

m/z--> 120 140 160 180 200 220 240 260

Sub 50 125.0 252.0

m/z--> 120 140 160 180 200 220 240 260

Abundance Scan 5119 (24.085 min): BN026957.D\data.ms (-5085) (-)

Ref 50 125.0 252.0

m/z--> 120 140 160 180 200 220 240 260

Raw 50 125.0 252.0

m/z--> 120 140 160 180 200 220 240 260

Sub 50 125.0 252.0

m/z--> 120 140 160 180 200 220 240 260

Abundance

10000 24.085

8000

6000

4000

2000

0

Time--> 24.00 24.20

Abundance Scan 5994 (26.885 min): BN026951.D\data.ms (-5928) (-)

Indeno(1,2,3-cd)pyrene

Concen: 0.235 ng/ul

RT: 26.891 min Scan# 5996

Delta R.T. 0.006 min

Lab File: BN026957.D

Acq: 18 Aug 2023 13:42

Tgt Ion:276 Resp: 33398

Ion Ratio Lower Upper

276 100

138 26.0 21.6 32.4

227 0.0 0.0 0.0#

Abundance Scan 5996 (26.891 min): BN026957.D\data.ms

Ref 50 138.0 227.0 276.0

m/z--> 140 160 180 200 220 240 260 280

Raw 50 138.0 227.0 276.0

m/z--> 140 160 180 200 220 240 260 280

Sub 50 138.0 227.0 276.0

m/z--> 140 160 180 200 220 240 260 280

Abundance

8000 26.891

6000

4000

2000

0

Time--> 26.80 27.00

Abundance Scan 5996 (26.891 min): BN026957.D\data.ms (-5935) (-)

Ref 50 138.0 227.0 276.0

m/z--> 140 160 180 200 220 240 260 280

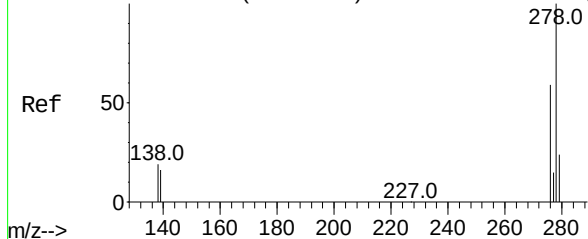
Raw 50 138.0 227.0 276.0

m/z--> 140 160 180 200 220 240 260 280

Sub 50 138.0 227.0 276.0

m/z--> 140 160 180 200 220 240 260 280

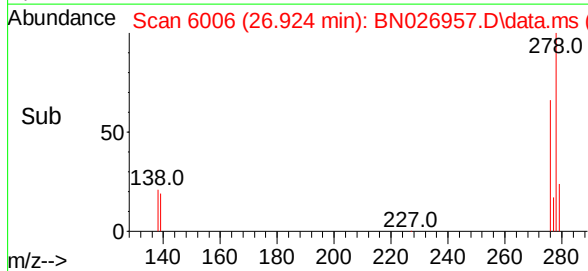
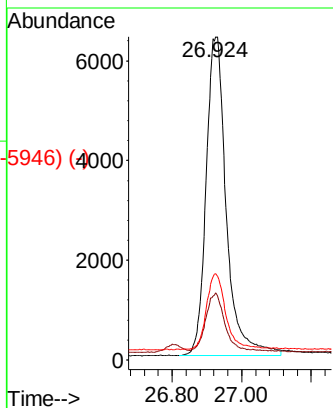
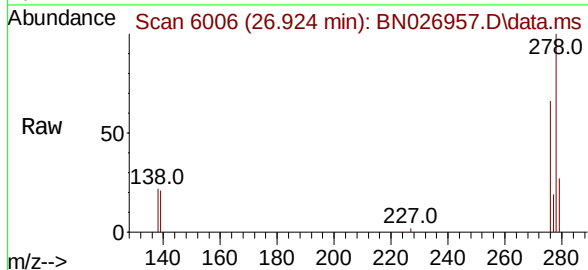
Abundance Scan 6005 (26.922 min): BN026951.D\data.ms (-5923) (-)



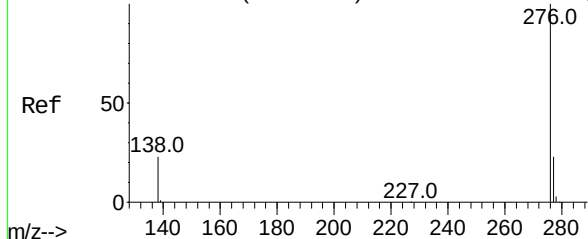
Dibenzo(a,h)anthracene
Concen: 0.228 ng/ul
RT: 26.924 min Scan# 6229
Delta R.T. 0.003 min
Lab File: BN026957.D
Acq: 18 Aug 2023 13:42

Instrument :
BNA_N
ClientSampleId :
SLCS872

Tgt Ion:	278	Resp:	25775
Ion	Ratio	Lower	Upper
278	100		
139	20.8	15.7	23.5
279	26.6	20.2	30.4



Abundance Scan 6244 (27.723 min): BN026951.D\data.ms (-6229) (-)



Benzo(g,h,i)perylene
Concen: 0.245 ng/ul
RT: 27.729 min Scan# 6246
Delta R.T. 0.006 min
Lab File: BN026957.D
Acq: 18 Aug 2023 13:42

Tgt Ion:	276	Resp:	28995
Ion	Ratio	Lower	Upper
276	100		
138	25.0	19.3	28.9
277	25.0	19.8	29.8

