

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081823\
 Data File : BN026958.D
 Acq On : 18 Aug 2023 14:18
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.4390

Quant Time: Aug 18 15:05:48 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)

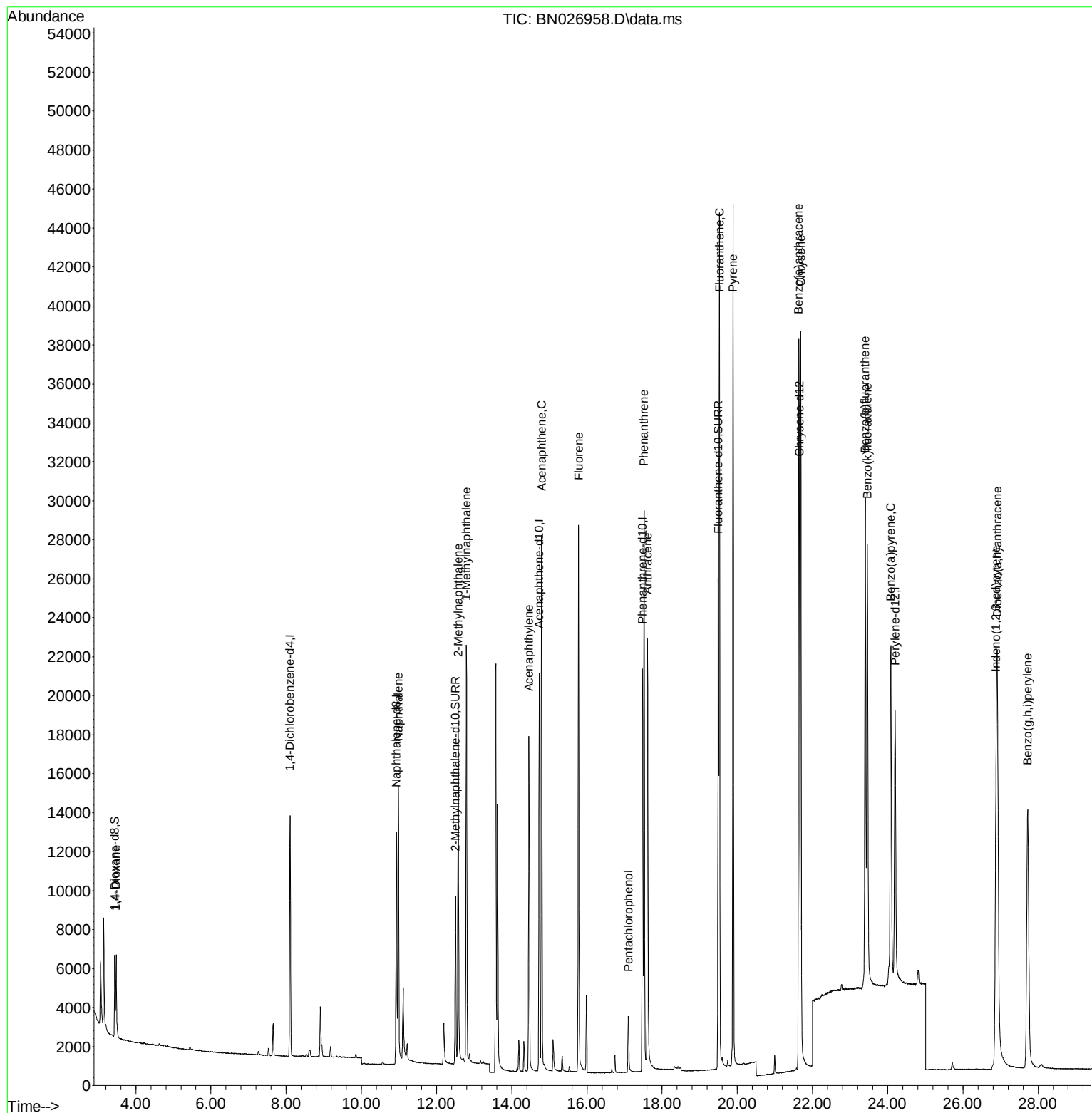
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.101	152	6306	0.400	ng/ul	0.00
4) Naphthalene-d8	10.933	136	18428	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.731	164	11429	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.477	188	25335	0.400	ng/ul	0.00
17) Chrysene-d12	21.650	240	21719	0.400	ng/ul	0.00
23) Perylene-d12	24.196	264	22511	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	3024	0.404	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.506	152	11817	0.436	ng/ul	0.00
18) Fluoranthene-d10	19.492	212	28317	0.413	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.477	88	3087	0.404	ng/ul	90
5) Naphthalene	10.982	128	20447	0.393	ng/ul	99
7) 2-Methylnaphthalene	12.577	142	13919	0.441	ng/ul	99
8) 1-Methylnaphthalene	12.792	142	14752	0.447	ng/ul	99
10) Acenaphthylene	14.458	152	20938	0.327	ng/ul	99
11) Acenaphthene	14.795	153	17051	0.385	ng/ul	99
12) Fluorene	15.776	166	19083	0.381	ng/ul	98
14) Pentachlorophenol	17.101	266	2138	0.298	ng/ul	100
15) Phenanthrene	17.519	178	31821	0.382	ng/ul	100
16) Anthracene	17.612	178	26272	0.349	ng/ul	99
19) Fluoranthene	19.525	202	37420	0.415	ng/ul	100
20) Pyrene	19.887	202	38822	0.403	ng/ul	99
21) Benzo(a)anthracene	21.633	228	32355	0.375	ng/ul	99
22) Chrysene	21.688	228	34397	0.403	ng/ul	99
24) Benzo(b)fluoranthene	23.401	252	36942	0.434	ng/ul	98
25) Benzo(k)fluoranthene	23.457	252	36638	0.436	ng/ul	97
26) Benzo(a)pyrene	24.082	252	31793	0.414	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.888	276	40468	0.403	ng/ul#	98
28) Dibenzo(a,h)anthracene	26.915	278	31181	0.389	ng/ul	99
29) Benzo(g,h,i)perylene	27.719	276	34933	0.417	ng/ul	99

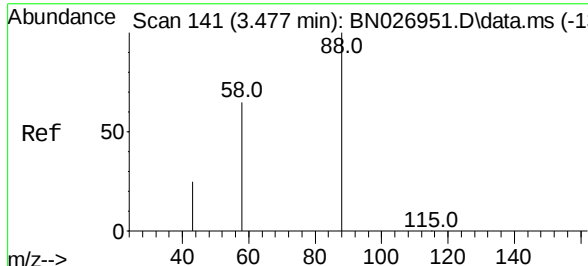
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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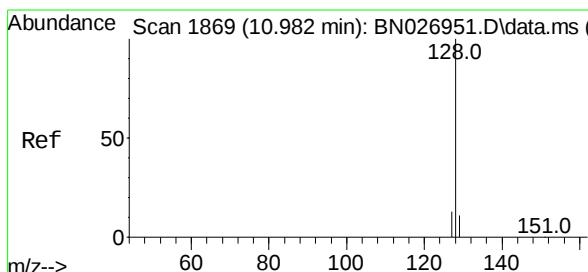
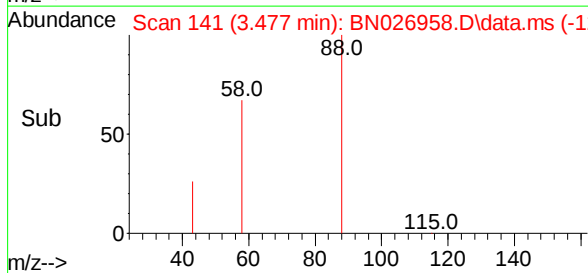
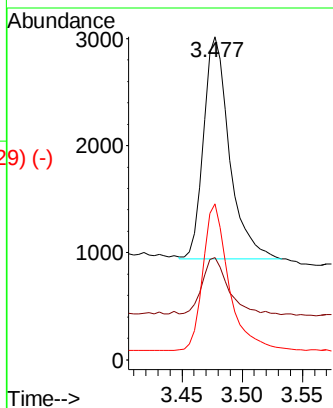
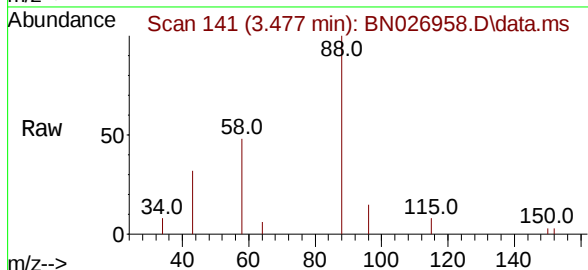




1,4-Dioxane
 Concen: 0.404 ng/ul
 RT: 3.477 min Scan# 141
 Delta R.T. 0.000 min
 Lab File: BN026958.D
 Acq: 18 Aug 2023 14:18

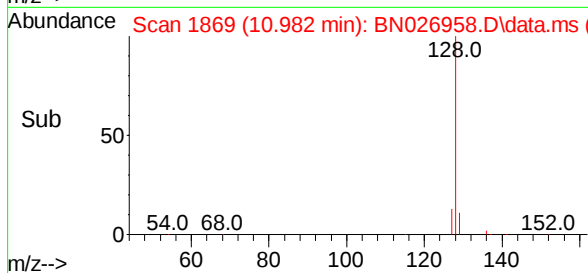
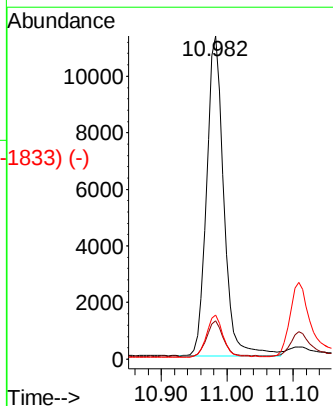
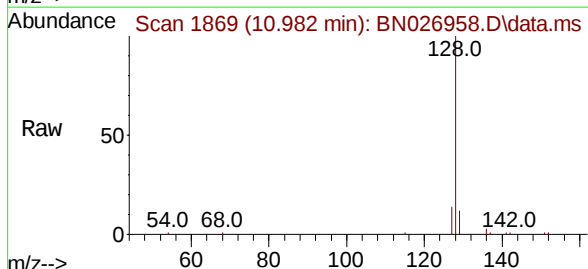
Instrument : BNA_N
 ClientSampleId : SSTD0.4390

Tgt Ion:	88	Resp:	3087
Ion	Ratio	Lower	Upper
88	100		
43	31.6	28.0	42.0
58	48.4	46.0	69.0

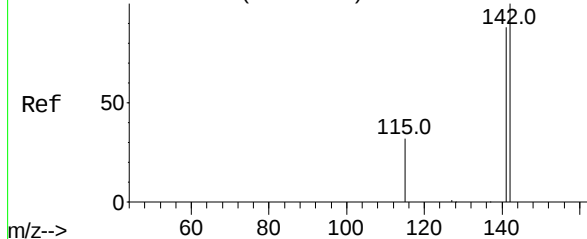


Naphthalene
 Concen: 0.393 ng/ul
 RT: 10.982 min Scan# 1869
 Delta R.T. 0.000 min
 Lab File: BN026958.D
 Acq: 18 Aug 2023 14:18

Tgt Ion:	128	Resp:	20447
Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.2	13.8
127	13.6	10.5	15.7



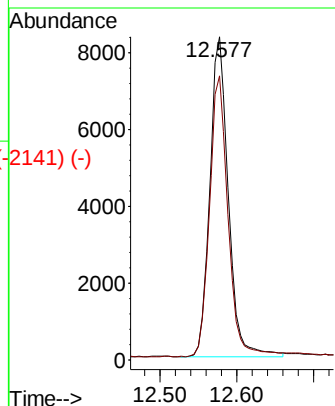
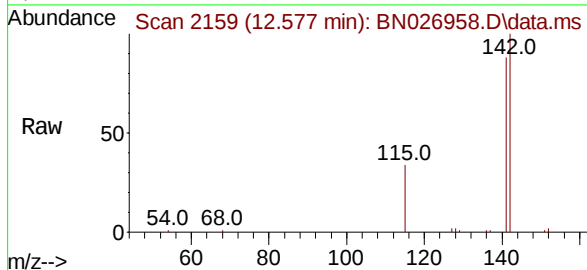
Abundance Scan 2159 (12.577 min): BN026951.D\data.ms (-2150) (-)



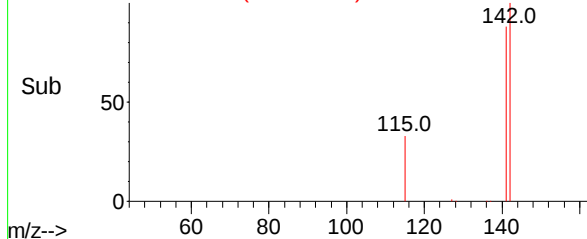
2-Methylnaphthalene
Concen: 0.441 ng/u1
RT: 12.577 min Scan# 2159
Delta R.T. 0.000 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Instrument :
BNA_N
ClientSampleId :
SSTD0.4390

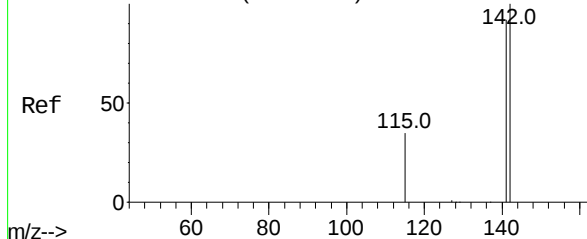
Tgt Ion:142 Resp: 13919
Ion Ratio Lower Upper
142 100
141 88.0 70.9 106.3



Abundance Scan 2159 (12.577 min): BN026958.D\data.ms (-2141) (-)

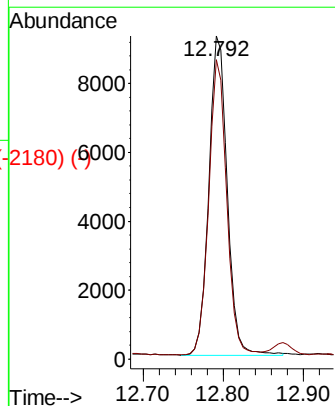
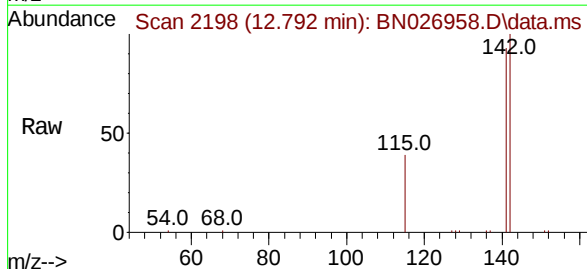


Abundance Scan 2198 (12.792 min): BN026951.D\data.ms (-2189) (-)

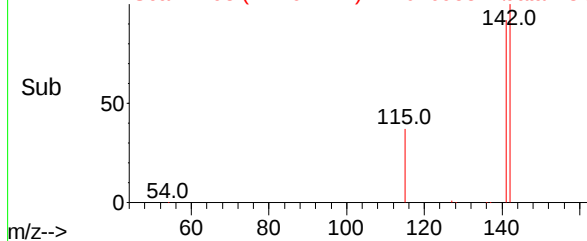


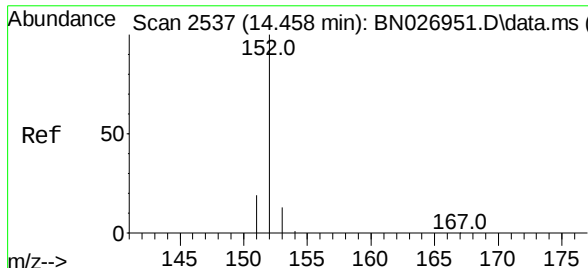
1-Methylnaphthalene
Concen: 0.447 ng/u1
RT: 12.792 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Tgt Ion:142 Resp: 14752
Ion Ratio Lower Upper
142 100
141 90.7 73.2 109.8



Abundance Scan 2198 (12.792 min): BN026958.D\data.ms (-2180) (-)





Acenaphthylene

Concen: 0.327 ng/ul

RT: 14.458 min Scan# 2537

Delta R.T. 0.000 min

Lab File: BN026958.D

Acq: 18 Aug 2023 14:18

Instrument :

BNA_N

ClientSampleId :

SSTD0.4390

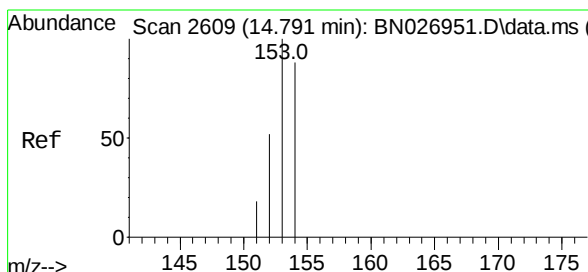
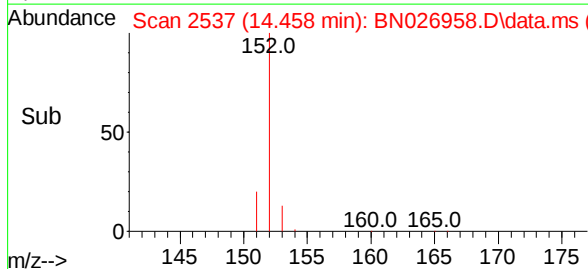
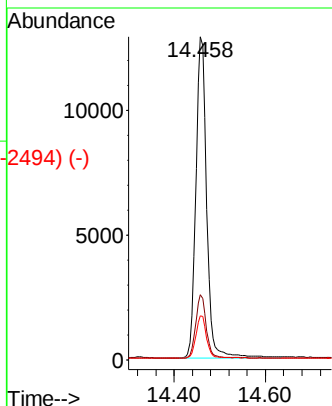
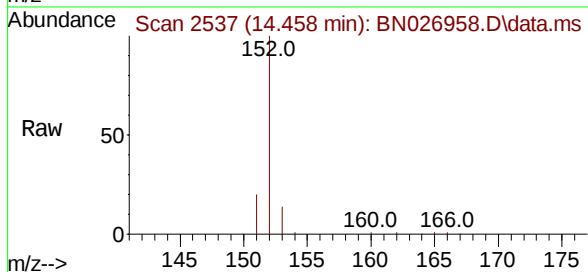
Tgt Ion:152 Resp: 20938

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

153 13.6 11.0 16.6



Acenaphthene

Concen: 0.385 ng/ul

RT: 14.795 min Scan# 2610

Delta R.T. 0.005 min

Lab File: BN026958.D

Acq: 18 Aug 2023 14:18

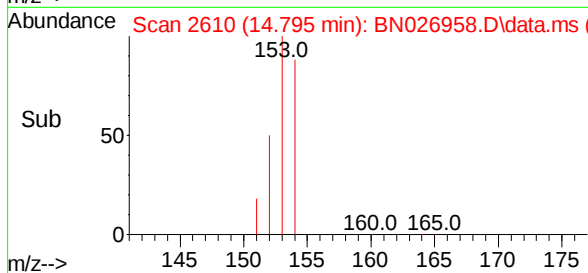
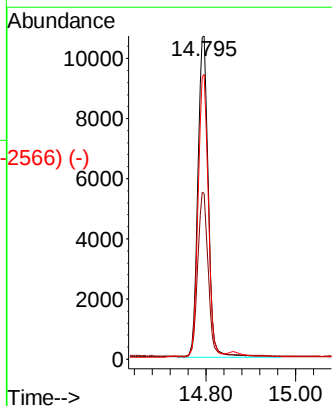
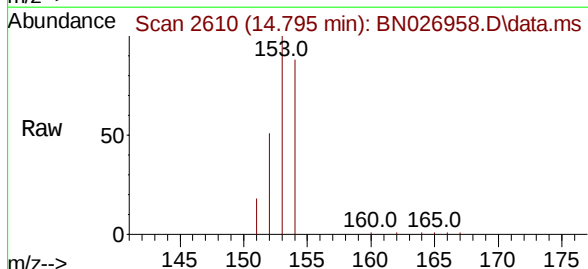
Tgt Ion:153 Resp: 17051

Ion Ratio Lower Upper

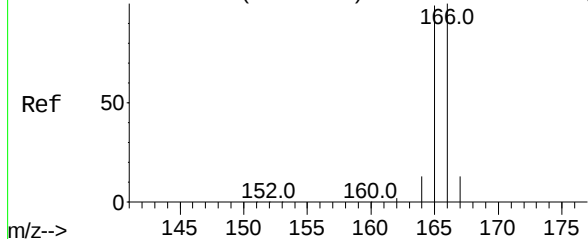
153 100

152 51.2 41.1 61.7

154 88.2 71.6 107.4



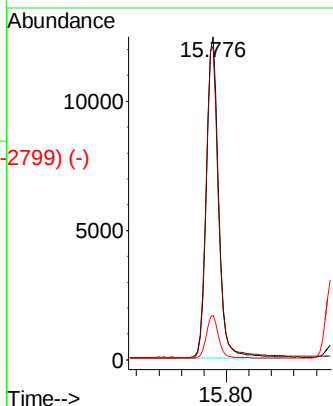
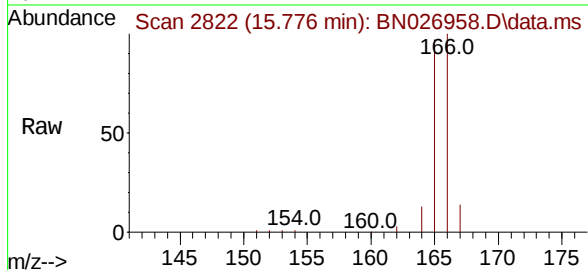
Abundance Scan 2821 (15.772 min): BN026951.D\data.ms (-2812) (-)



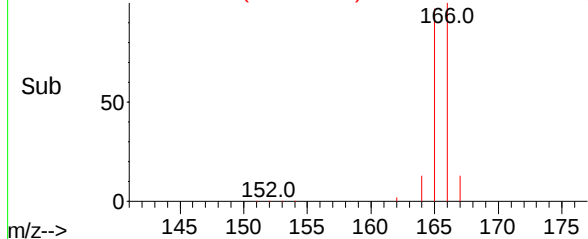
Fluorene
Concen: 0.381 ng/ul
RT: 15.776 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Instrument :
BNA_N
ClientSampleId :
SSTD0.4390

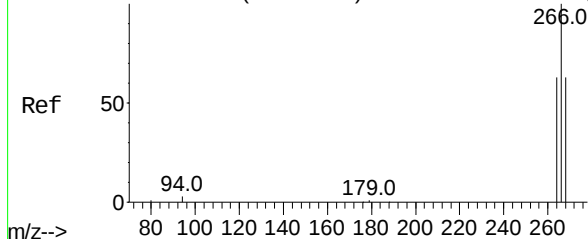
Tgt Ion:	166	Resp:	19083
Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.1	118.7
167	13.8	11.4	17.0



Abundance Scan 2822 (15.776 min): BN026958.D\data.ms (-2799) (-)

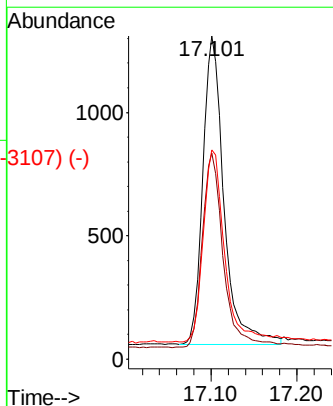
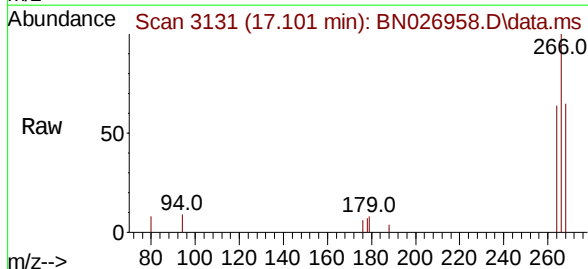


Abundance Scan 3131 (17.101 min): BN026951.D\data.ms (-3119) (-)

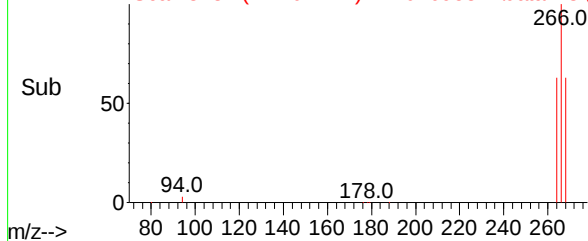


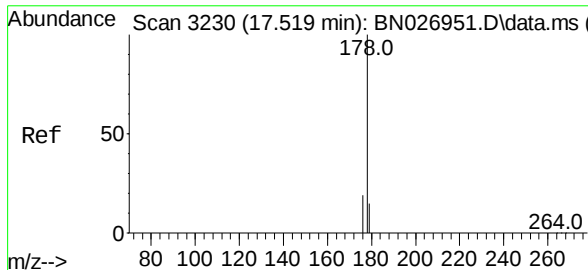
Pentachlorophenol
Concen: 0.298 ng/ul
RT: 17.101 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Tgt Ion:	266	Resp:	2138
Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.4	75.6
268	63.4	51.2	76.8



Abundance Scan 3131 (17.101 min): BN026958.D\data.ms (-3107) (-)

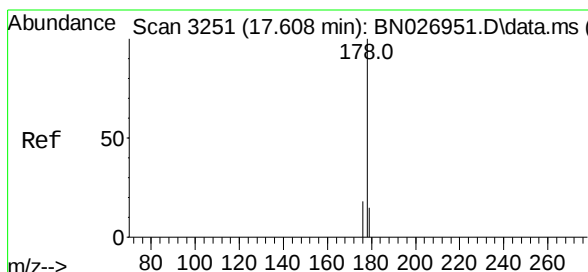
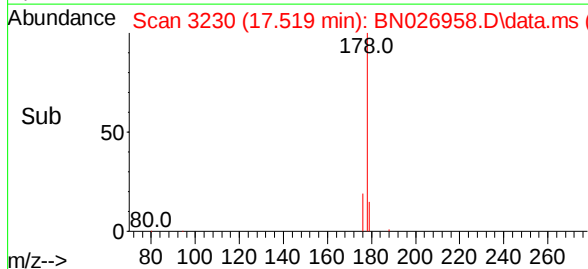
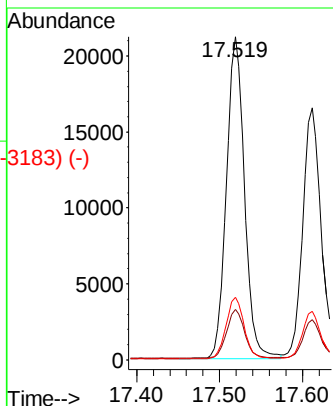
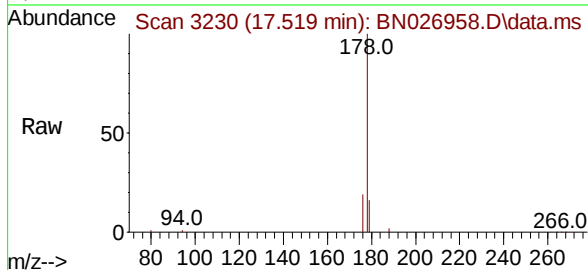




Phenanthrene
 Concen: 0.382 ng/ul
 RT: 17.519 min Scan# 3219
 Delta R.T. 0.000 min
 Lab File: BN026958.D
 Acq: 18 Aug 2023 14:18

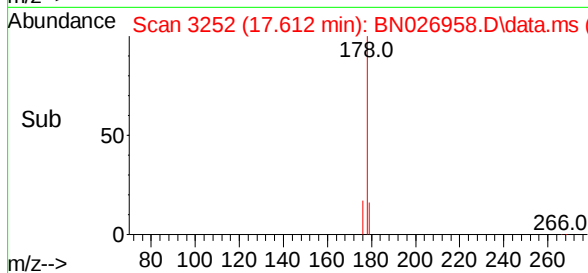
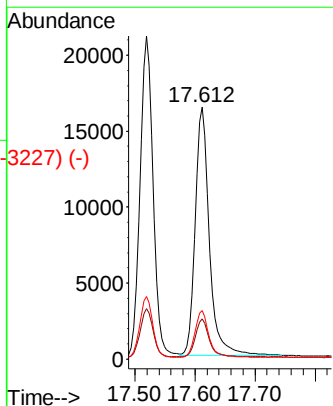
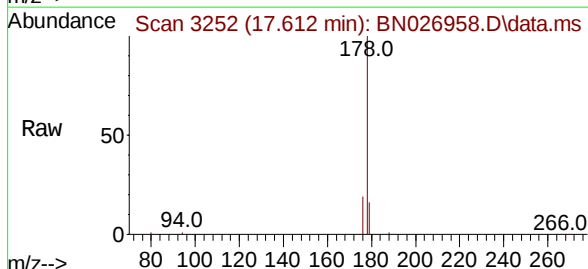
Instrument :
 BNA_N
 ClientSampleId :
 SST0.4390

Tgt Ion:	178	Resp:	31821
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	18.8
176	19.4	15.4	23.2

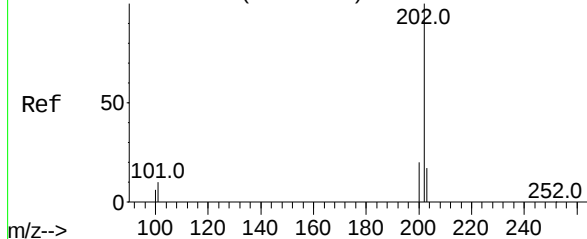


Anthracene
 Concen: 0.349 ng/ul
 RT: 17.612 min Scan# 3252
 Delta R.T. 0.004 min
 Lab File: BN026958.D
 Acq: 18 Aug 2023 14:18

Tgt Ion:	178	Resp:	26272
Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	19.0
176	19.2	15.0	22.6



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



Fluoranthene

Concen: 0.415 ng/ul

RT: 19.525 min Scan#

Delta R.T. 0.000 min

Lab File: BN026958.D

Acq: 18 Aug 2023 14:18

Instrument :

BNA_N

ClientSampleId :

SSTD0.4390

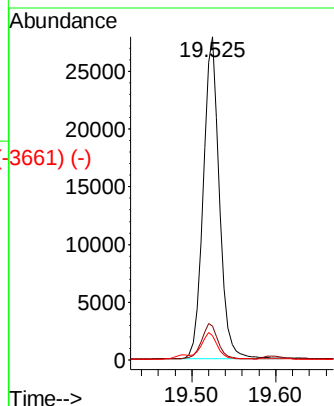
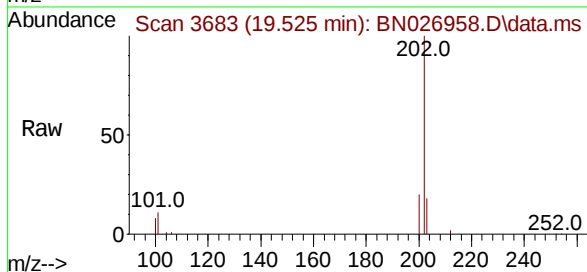
Tgt Ion:202 Resp: 37420

Ion Ratio Lower Upper

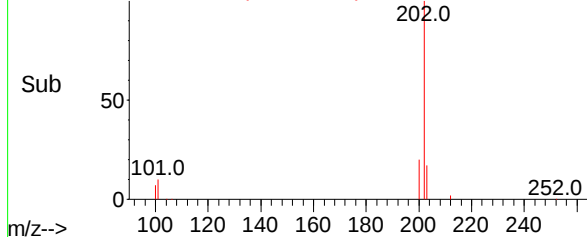
202 100

101 10.5 8.3 12.5

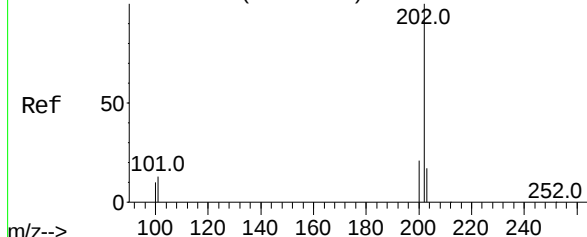
100 7.6 6.2 9.2



Abundance Scan 3683 (19.525 min): BN026958.D\data.ms (-3661) (-)



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



Pyrene

Concen: 0.403 ng/ul

RT: 19.887 min Scan# 3761

Delta R.T. 0.000 min

Lab File: BN026958.D

Acq: 18 Aug 2023 14:18

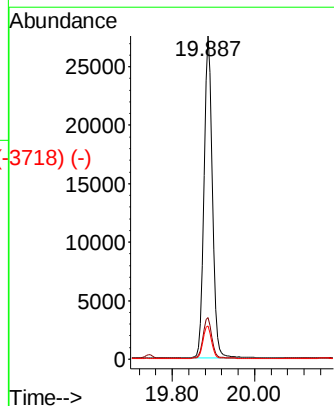
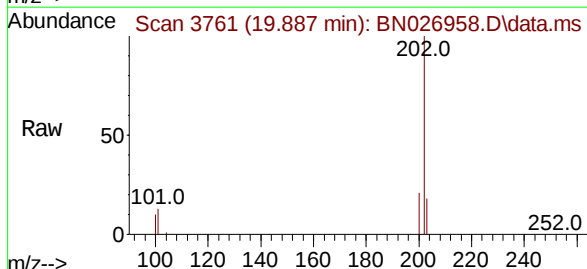
Tgt Ion:202 Resp: 38822

Ion Ratio Lower Upper

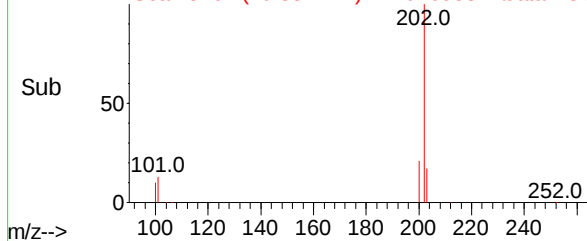
202 100

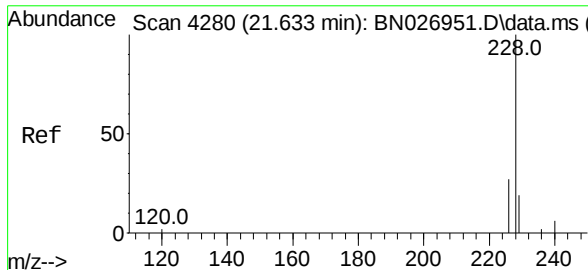
101 12.9 10.7 16.1

100 10.3 8.5 12.7



Abundance Scan 3761 (19.887 min): BN026958.D\data.ms (-3718) (-)

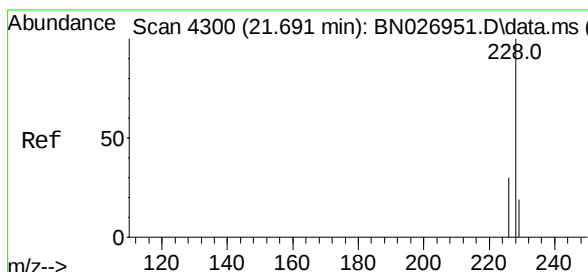
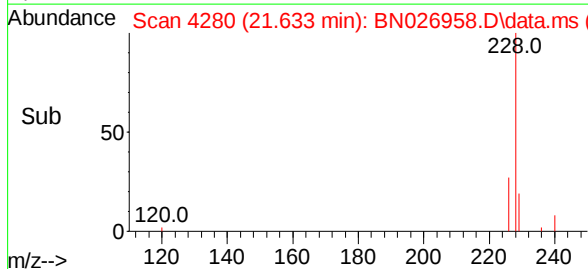
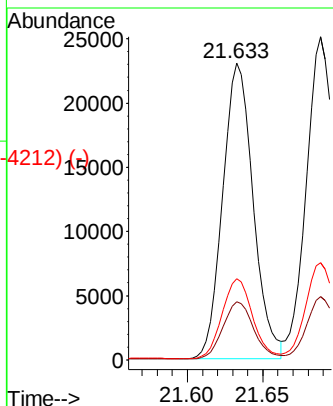
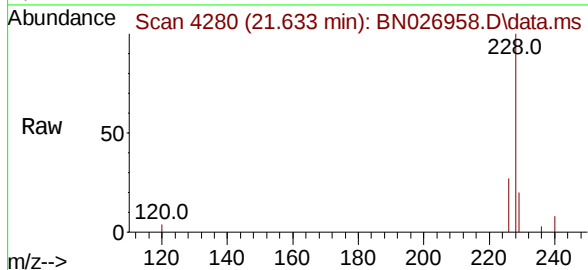




Benzo(a)anthracene
 Concen: 0.375 ng/u1
 RT: 21.633 min Scan# 4280
 Delta R.T. 0.000 min
 Lab File: BN026958.D
 Acq: 18 Aug 2023 14:18

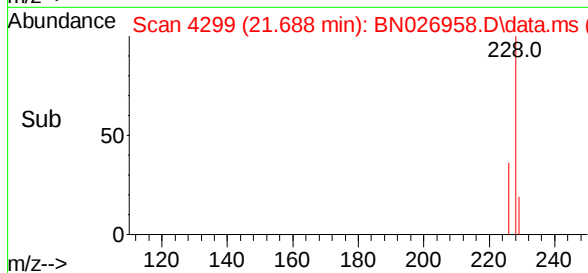
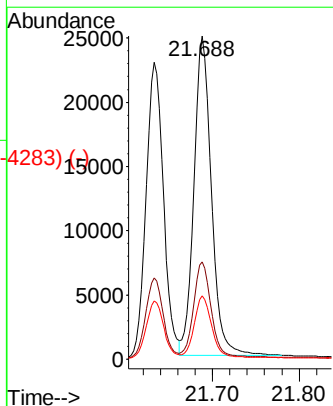
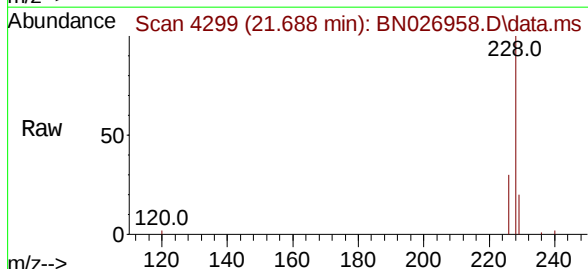
Instrument :
 BNA_N
 ClientSampleId :
 SST00.4390

Tgt Ion:	228	Resp:	32355
Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.0	24.0
226	27.3	22.2	33.2



Chrysene
 Concen: 0.403 ng/u1
 RT: 21.688 min Scan# 4299
 Delta R.T. -0.003 min
 Lab File: BN026958.D
 Acq: 18 Aug 2023 14:18

Tgt Ion:	228	Resp:	34397
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.6	36.8
229	19.7	15.8	23.6



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

Benzo(b)fluoranthene

Concen: 0.434 ng/u1

RT: 23.401 min Scan# 4885

Delta R.T. -0.006 min

Lab File: BN026958.D

Acq: 18 Aug 2023 14:18

Instrument :

BNA_N

ClientSampleId :

SSTD0.4390

Tgt Ion:252 Resp: 36942

Ion Ratio Lower Upper

252 100

253 24.0 0.0 46.8

125 14.3 0.0 25.2

Abundance Scan 4885 (23.401 min): BN026958.D\data.ms

Ref 50

125.0

252.0

Raw 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance Scan 4885 (23.401 min): BN026958.D\data.ms (-4819) (-)

Ref 50

125.0

252.0

Sub 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance

23.401

15000

10000

5000

0

Time-->

23.30 23.40

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

Benzo(k)fluoranthene

Concen: 0.436 ng/u1

RT: 23.457 min Scan# 4904

Delta R.T. -0.003 min

Lab File: BN026958.D

Acq: 18 Aug 2023 14:18

Tgt Ion:252 Resp: 36638

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.4

125 14.5 9.9 14.9

Abundance Scan 4904 (23.457 min): BN026958.D\data.ms (-4888) (-)

Ref 50

125.0

252.0

Raw 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance Scan 4904 (23.457 min): BN026958.D\data.ms (-4888) (-)

Ref 50

125.0

252.0

Sub 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance

23.457

15000

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: 0.414 ng/u1

RT: 24.082 min Scan# 5118

Delta R.T. -0.003 min

Lab File: BN026958.D

Acq: 18 Aug 2023 14:18

Instrument :

BNA_N

ClientSampleId :

SSTD0.4390

Tgt Ion:252 Resp: 31793

Ion Ratio Lower Upper

252 100

253 24.9 19.0 28.6

125 16.8 11.4 17.0

Abundance Scan 5118 (24.082 min): BN026958.D\data.ms

Ref 50

125.0

252.0

Raw 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance Scan 5118 (24.082 min): BN026958.D\data.ms (-5085) (-)

Sub 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance

24.082

10000

5000

0

Time-->

24.00 24.20

Abundance Scan 5994 (26.885 min): BN026951.D\data.ms (-5927) (-)

Indeno(1,2,3-cd)pyrene

Concen: 0.403 ng/u1

RT: 26.888 min Scan# 5995

Delta R.T. 0.003 min

Lab File: BN026958.D

Acq: 18 Aug 2023 14:18

Tgt Ion:276 Resp: 40468

Ion Ratio Lower Upper

276 100

138 26.1 21.6 32.4

227 0.2 0.0 0.0#

Abundance Scan 5995 (26.888 min): BN026958.D\data.ms

Ref 50

138.0

227.0

276.0

Raw 50

138.0

227.0

m/z-->

140 160 180 200 220 240 260 280

Abundance Scan 5995 (26.888 min): BN026958.D\data.ms (-5934) (-)

Sub 50

138.0

227.0

276.0

m/z-->

140 160 180 200 220 240 260 280

Abundance

26.888

8000

6000

4000

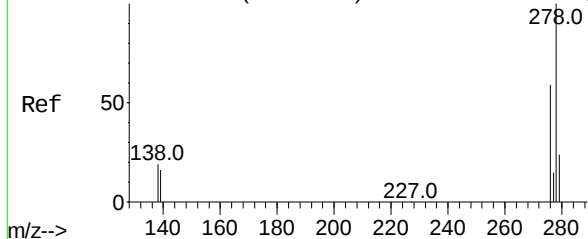
2000

0

Time-->

26.80 27.00

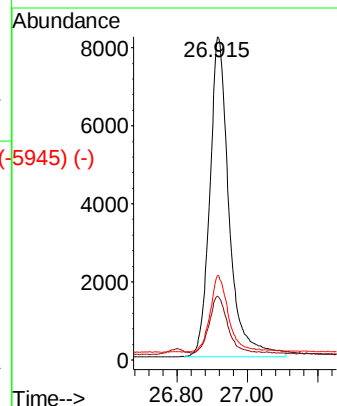
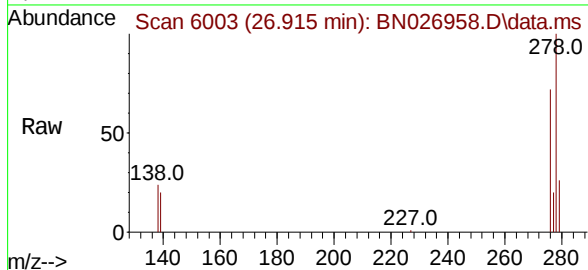
Abundance Scan 6005 (26.922 min): BN026951.D\data.ms (-5923) (-)



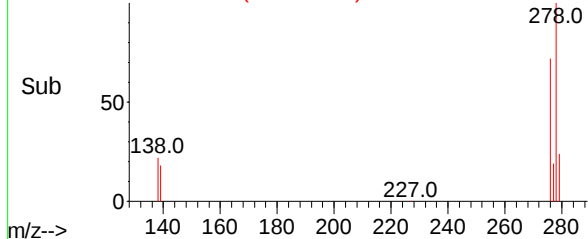
Dibenzo(a,h)anthracene
Concen: 0.389 ng/ul
RT: 26.915 min Scan# 6243
Delta R.T. -0.007 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Instrument :
BNA_N
ClientSampleId :
SSTD0.4390

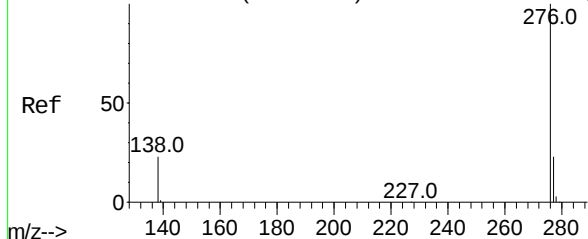
Tgt Ion:	278	Resp:	31181
Ion Ratio	Lower	Upper	
278	100		
139	19.8	15.7	23.5
279	26.0	20.2	30.4



Abundance Scan 6003 (26.915 min): BN026958.D\data.ms (-5945) (-)

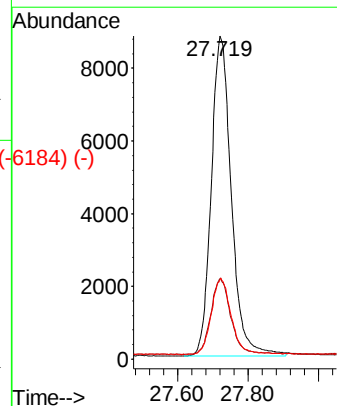
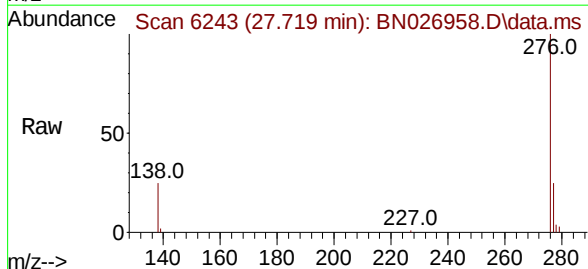


Abundance Scan 6244 (27.723 min): BN026951.D\data.ms (-6129) (-)



Benzo(g,h,i)perylene
Concen: 0.417 ng/ul
RT: 27.719 min Scan# 6243
Delta R.T. -0.004 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Tgt Ion:	276	Resp:	34933
Ion Ratio	Lower	Upper	
276	100		
138	25.0	19.3	28.9
277	24.6	19.8	29.8



Abundance Scan 6243 (27.719 min): BN026958.D\data.ms (-6184) (-)

