

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052422\
 Data File : BN019943.D
 Acq On : 25 May 2022 10:02
 Operator : CG/JU
 Sample : N2950-14MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBTD2MSD

Quant Time: May 26 01:14:58 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN052322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 23 14:58:28 2022
 Response via : Initial Calibration

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

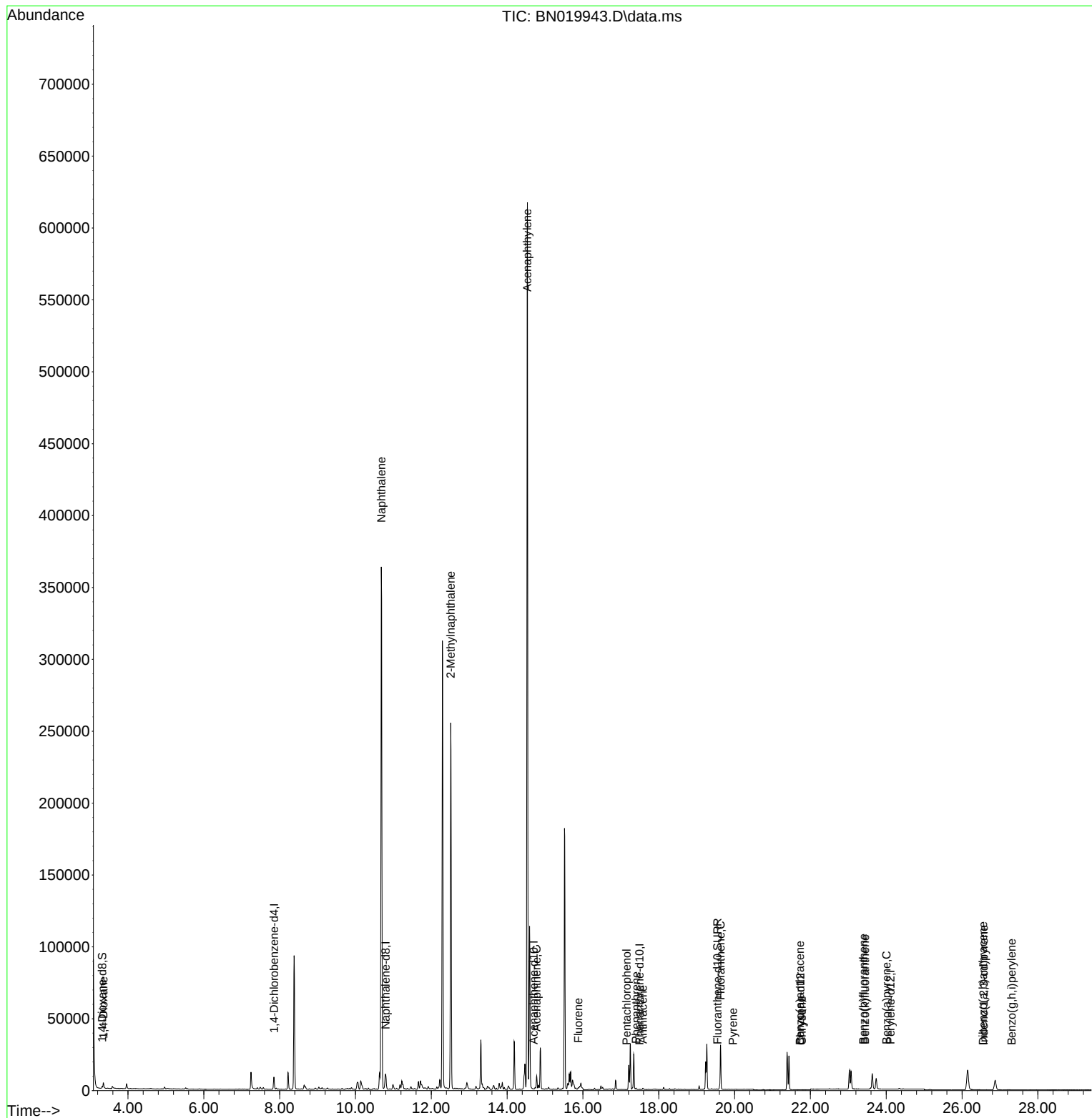
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	4543	0.400	ng/ul	0.00
4) Naphthalene-d8	10.793	136	18663	0.400	ng/ul	0.15
9) Acenaphthene-d10	14.701	164	28	0.400	ng/ul	# 0.22
13) Phenanthrene-d10	17.496	188	7	0.400	ng/ul	# 0.28
17) Chrysene-d12	21.739	240	3	0.400	ng/ul	# 0.34
23) Perylene-d12	24.115	264	4	0.400	ng/ul	# 0.37
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.319	96	969	0.229	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.438	152	141	0.005	ng/ul	0.21
18) Fluoranthene-d10	19.550	212	67	6.246	ng/ul	0.31
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.353	88	2549	0.577	ng/ul#	84
5) Naphthalene	10.683	128	508410	8.686	ng/ul	98
7) 2-Methylnaphthalene	12.515	142	175210	4.517	ng/ul#	100
10) Acenaphthylene	14.534	152	174345	1092.637	ng/ul#	1
11) Acenaphthene	14.780	153	6915	63.958	ng/ul#	44
12) Fluorene	15.876	166	585	4.839	ng/ul#	26
14) Pentachlorophenol	17.150	266	2	1.715	ng/ul#	23
15) Phenanthrene	17.399	178	718	29.169	ng/ul#	1
16) Anthracene	17.580	178	433	18.765	ng/ul#	1
19) Fluoranthene	19.629	202	26093	1743.002	ng/ul	95
20) Pyrene	19.959	202	4	0.263	ng/ul#	1
21) Benzo(a)anthracene	21.724	228	8	0.653	ng/ul#	1
22) Chrysene	21.774	228	4	0.323	ng/ul#	1
24) Benzo(b)fluoranthene	23.396	252	4	0.226	ng/ul#	1
25) Benzo(k)fluoranthene	23.440	252	8	0.465	ng/ul#	1
26) Benzo(a)pyrene	24.007	252	7	0.419	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.574	276	1	0.057	ng/ul#	45
28) Dibenzo(a,h)anthracene	26.550	278	10	0.695	ng/ul#	1
29) Benzo(g,h,i)perylene	27.308	276	2	0.133	ng/ul#	1

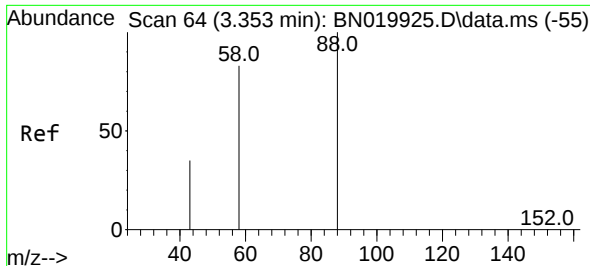
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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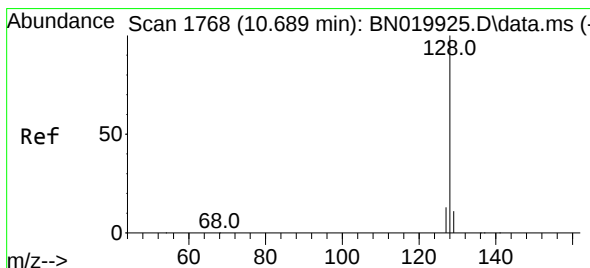
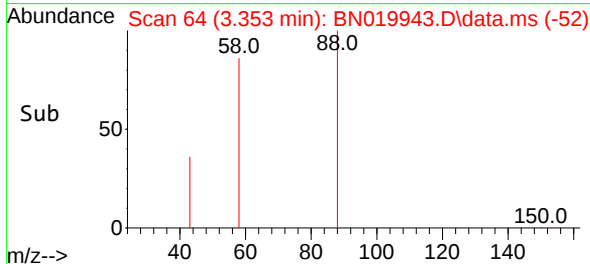
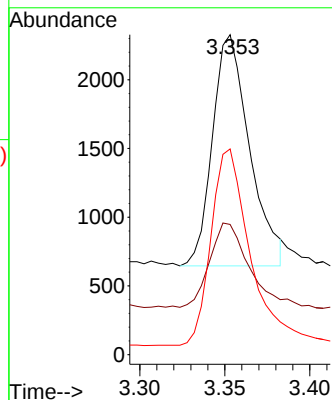
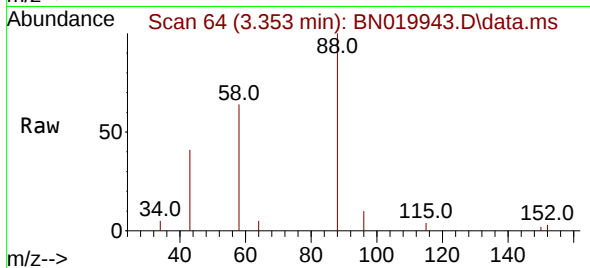




#2
 1,4-Dioxane
 Concen: 0.577 ng/ul
 RT: 3.353 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: BN019943.D
 Acq: 25 May 2022 10:02

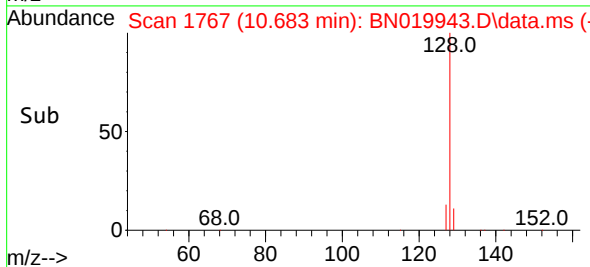
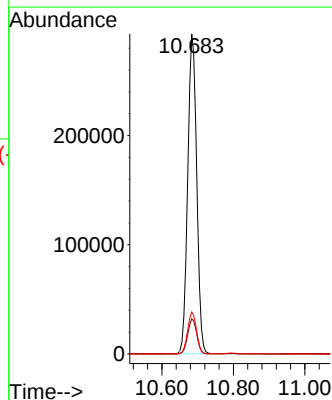
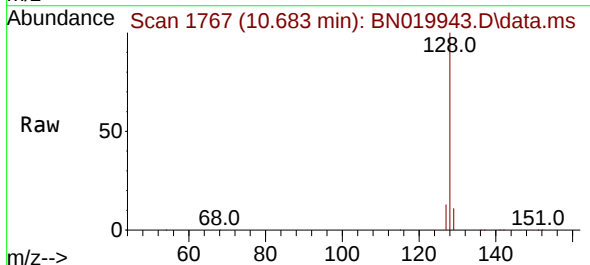
Instrument :
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 ClientSampleId :
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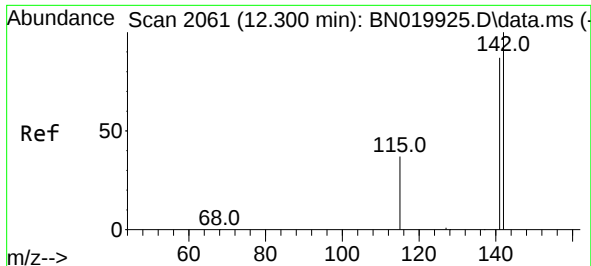
Tgt Ion: 88 Resp: 2549
 Ion Ratio Lower Upper
 88 100
 43 40.7 39.0 58.4
 58 64.3 39.8 59.8#



#5
 Naphthalene
 Concen: 8.686 ng/ul
 RT: 10.683 min Scan# 1767
 Delta R.T. -0.009 min
 Lab File: BN019943.D
 Acq: 25 May 2022 10:02

Tgt Ion: 128 Resp: 508410
 Ion Ratio Lower Upper
 128 100
 129 11.0 9.5 14.3
 127 13.1 11.0 16.4

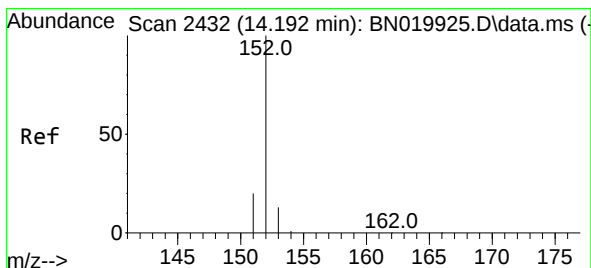
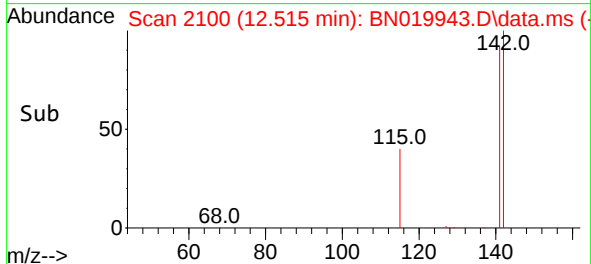
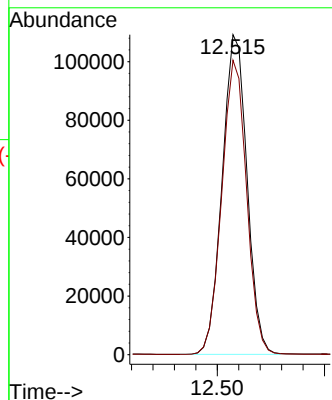
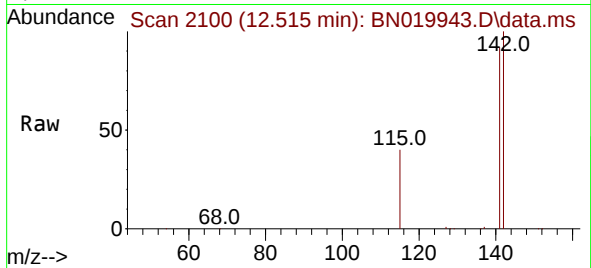




#7
2-Methylnaphthalene
Concen: 4.517 ng/ul
RT: 12.515 min Scan# 2100
Delta R.T. 0.211 min
Lab File: BN019943.D
Acq: 25 May 2022 10:02

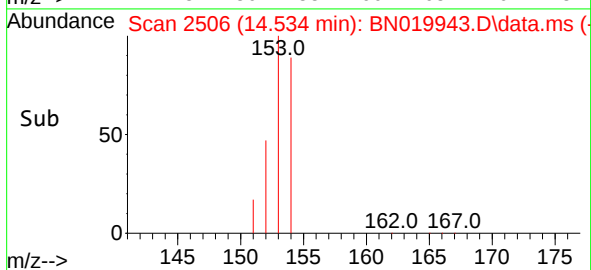
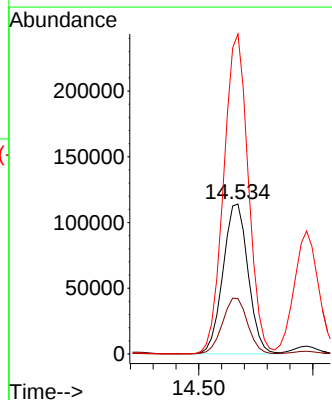
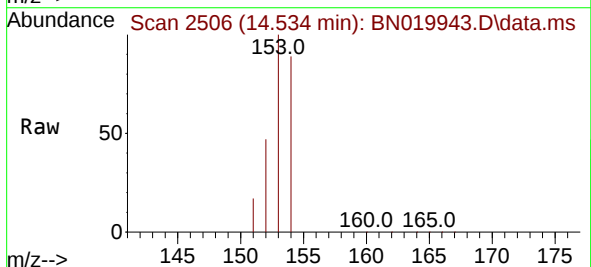
Instrument :
BNA_N
ClientSampleId :
DBTD2MSD

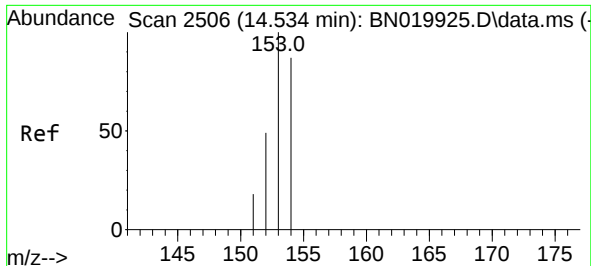
Tgt Ion:142 Resp: 175210
Ion Ratio Lower Upper
142 100
141 91.6 0.0 0.0#



#10
Acenaphthylene
Concen: 1092.637 ng/ul
RT: 14.534 min Scan# 2506
Delta R.T. 0.339 min
Lab File: BN019943.D
Acq: 25 May 2022 10:02

Tgt Ion:152 Resp: 174345
Ion Ratio Lower Upper
152 100
151 36.9 16.3 24.5#
153 213.5 11.1 16.7#

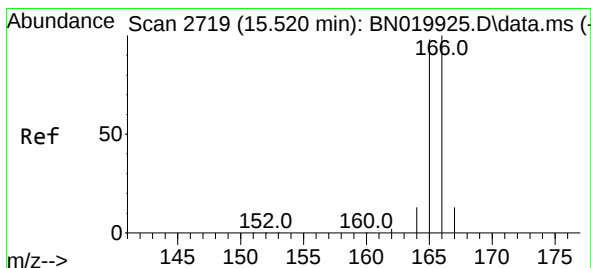
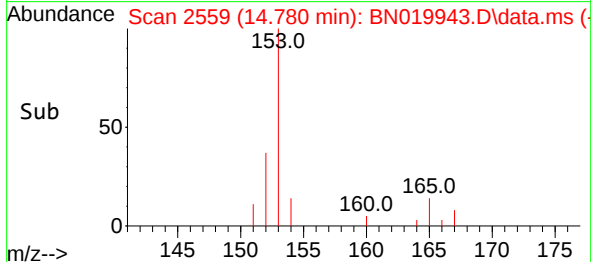
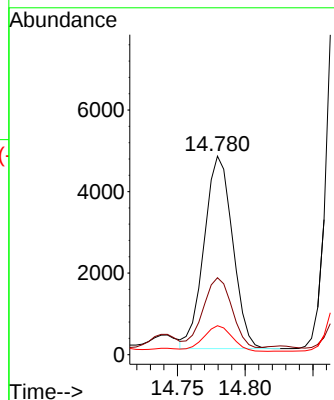
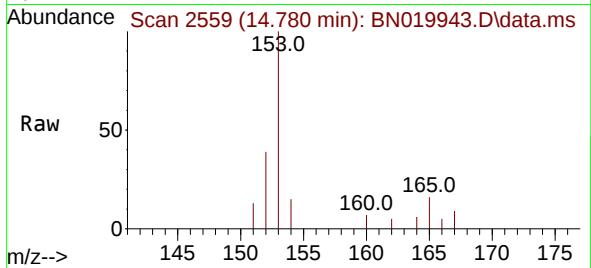




#11
Acenaphthene
Concen: 63.958 ng/ul
RT: 14.780 min Scan# 21
Delta R.T. 0.242 min
Lab File: BN019943.D
Acq: 25 May 2022 10:02

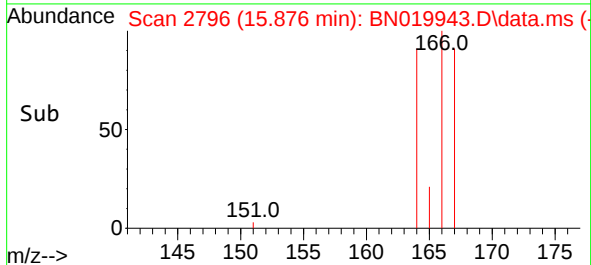
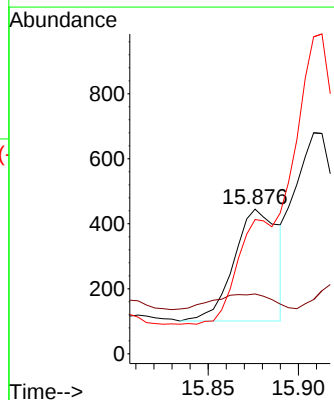
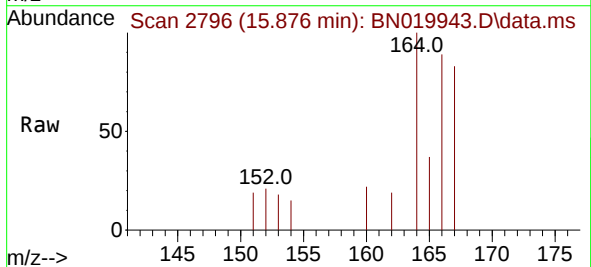
Instrument :
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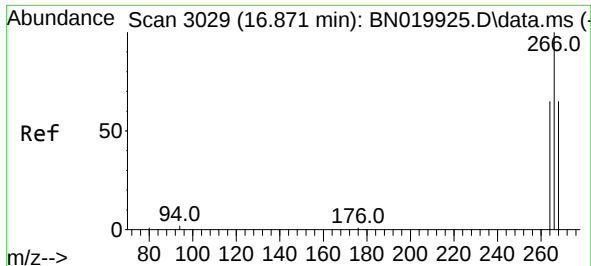
Tgt Ion:153 Resp: 6915
Ion Ratio Lower Upper
153 100
152 38.7 38.6 57.8
154 14.6 71.2 106.8#



#12
Fluorene
Concen: 4.839 ng/ul
RT: 15.876 min Scan# 2796
Delta R.T. 0.353 min
Lab File: BN019943.D
Acq: 25 May 2022 10:02

Tgt Ion:166 Resp: 585
Ion Ratio Lower Upper
166 100
165 41.3 78.2 117.2#
167 92.8 11.3 16.9#

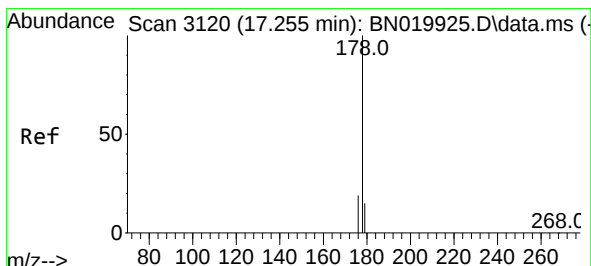
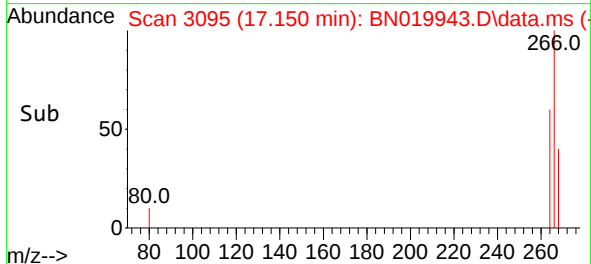
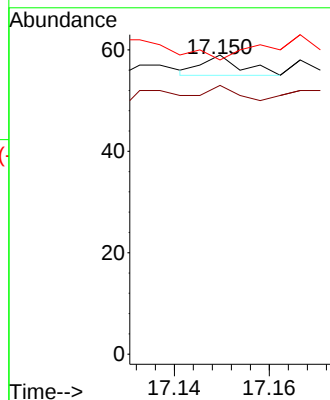
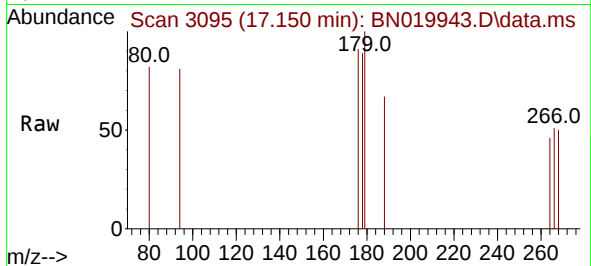




#14
Pentachlorophenol
Concen: 1.715 ng/ul
RT: 17.150 min Scan# 3029
Delta R.T. 0.276 min
Lab File: BN019943.D
Acq: 25 May 2022 10:02

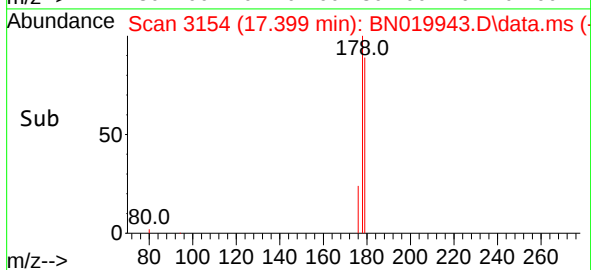
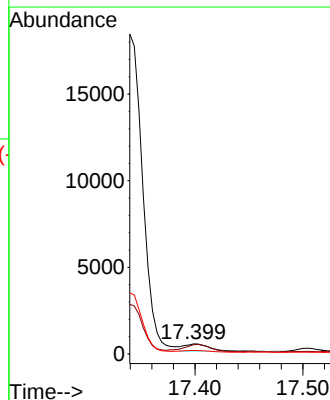
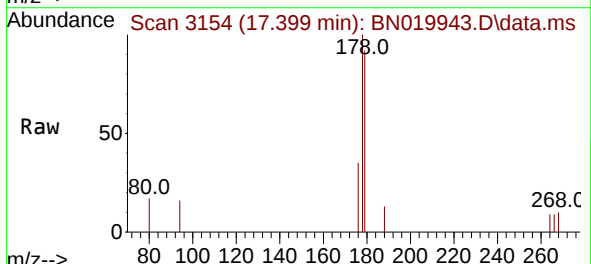
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BNA_N
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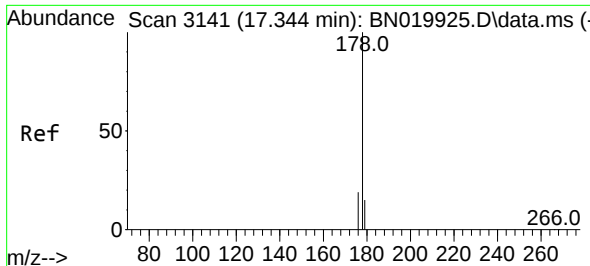
Tgt Ion:266 Resp: 2
Ion Ratio Lower Upper
266 100
264 0.0 44.9 67.3#
268 0.0 44.6 67.0#



#15
Phenanthrene
Concen: 29.169 ng/ul
RT: 17.399 min Scan# 3154
Delta R.T. 0.145 min
Lab File: BN019943.D
Acq: 25 May 2022 10:02

Tgt Ion:178 Resp: 718
Ion Ratio Lower Upper
178 100
179 91.7 12.9 19.3#
176 34.8 15.5 23.3#

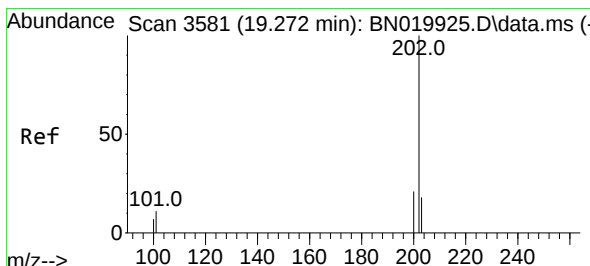
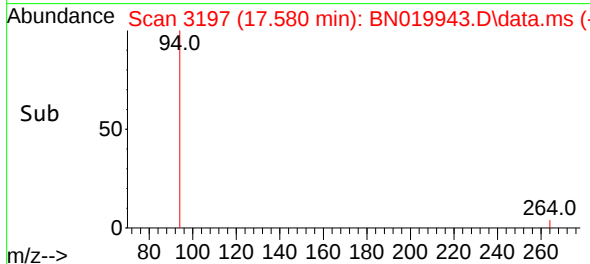
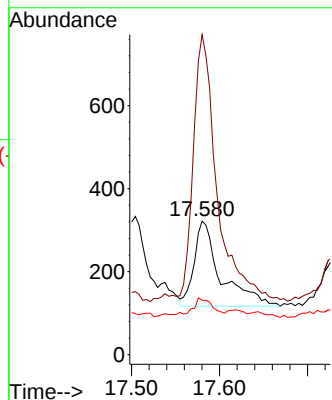
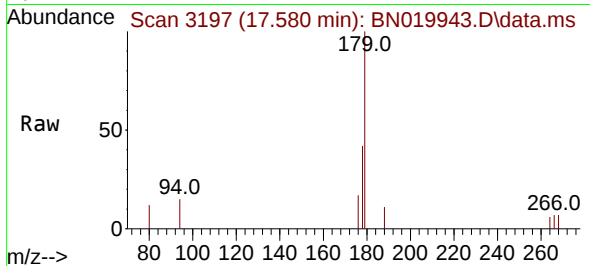




#16
 Anthracene
 Concen: 18.765 ng/ul
 RT: 17.580 min Scan# 3141
 Delta R.T. 0.234 min
 Lab File: BN019943.D
 Acq: 25 May 2022 10:02

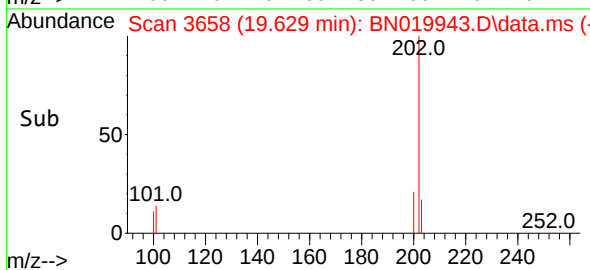
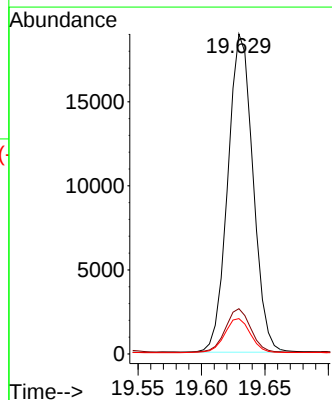
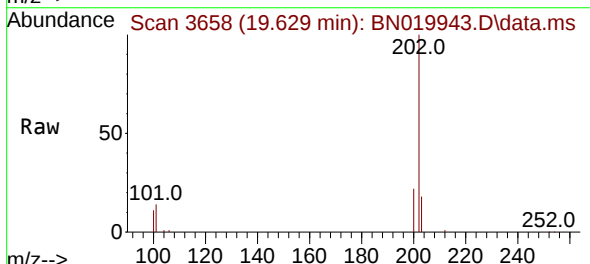
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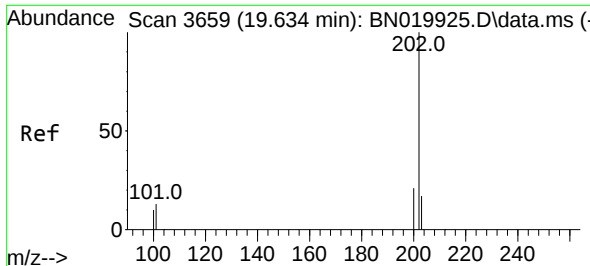
Tgt Ion:178 Resp: 433
 Ion Ratio Lower Upper
 178 100
 179 239.4 13.1 19.7#
 176 40.7 15.3 22.9#



#19
 Fluoranthene
 Concen: 1743.002 ng/ul
 RT: 19.629 min Scan# 3658
 Delta R.T. 0.355 min
 Lab File: BN019943.D
 Acq: 25 May 2022 10:02

Tgt Ion:202 Resp: 26093
 Ion Ratio Lower Upper
 202 100
 101 14.1 9.7 14.5
 100 11.0 7.4 11.2





#20

Pyrene

Concen: 0.263 ng/ul

RT: 19.959 min Scan# 31

Delta R.T. 0.323 min

Lab File: BN019943.D

Acq: 25 May 2022 10:02

Instrument :

BNA_N

ClientSampleId :

DBTD2MSD

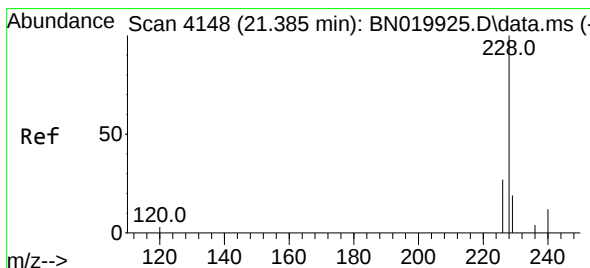
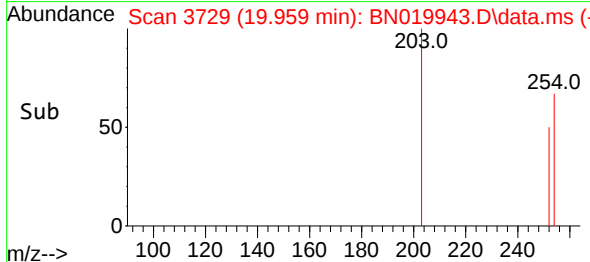
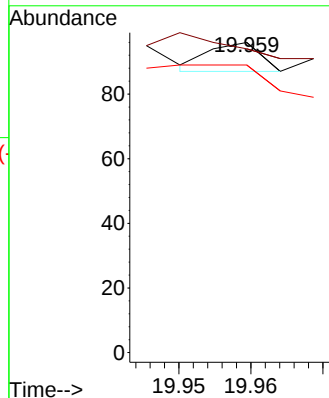
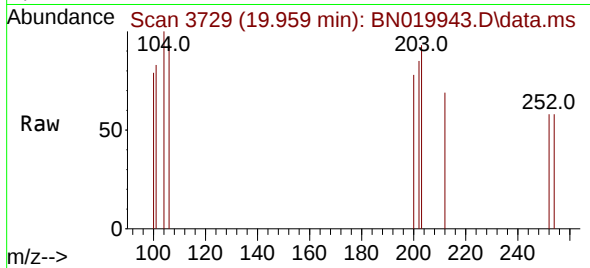
Tgt Ion:202 Resp: 4

Ion Ratio Lower Upper

202 100

101 97.9 11.4 17.0#

100 92.7 9.0 13.4#



#21

Benzo(a)anthracene

Concen: 0.653 ng/ul

RT: 21.724 min Scan# 4264

Delta R.T. 0.339 min

Lab File: BN019943.D

Acq: 25 May 2022 10:02

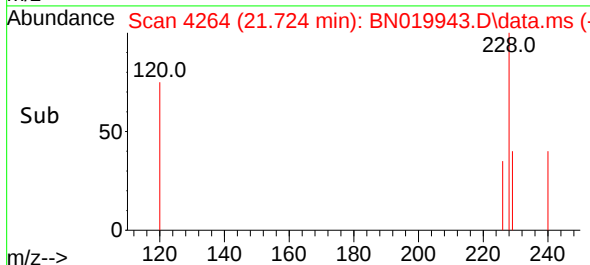
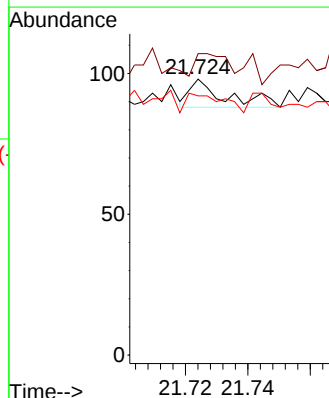
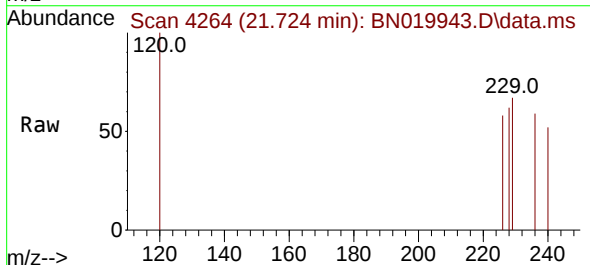
Tgt Ion:228 Resp: 8

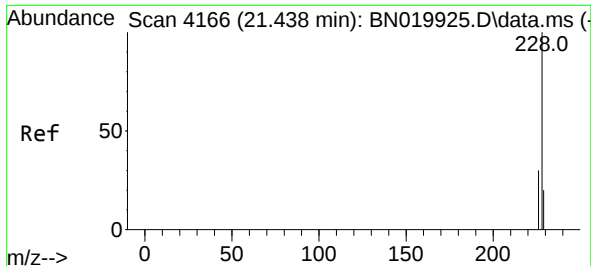
Ion Ratio Lower Upper

228 100

229 109.2 16.1 24.1#

226 93.9 22.1 33.1#

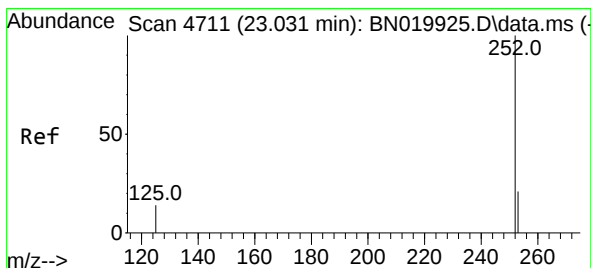
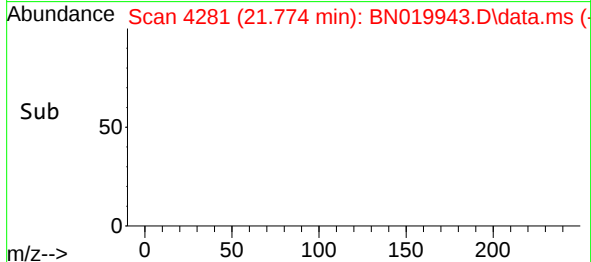
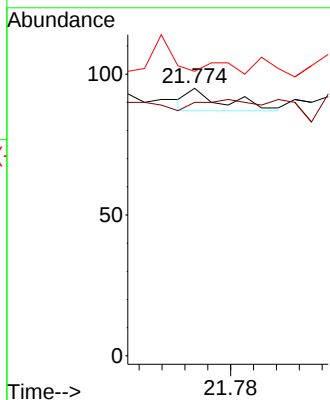
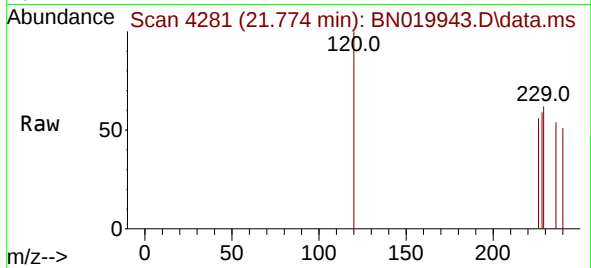




#22
Chrysene
Concen: 0.323 ng/ul
RT: 21.774 min Scan# 4166
Delta R.T. 0.336 min
Lab File: BN019943.D
Acq: 25 May 2022 10:02

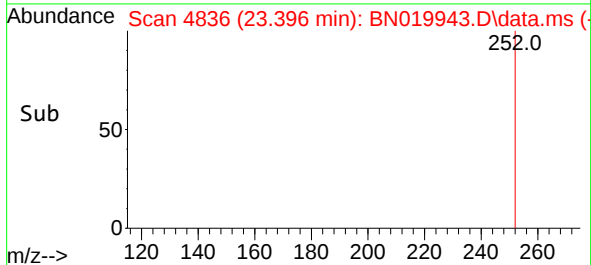
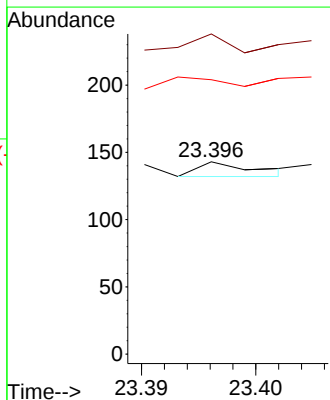
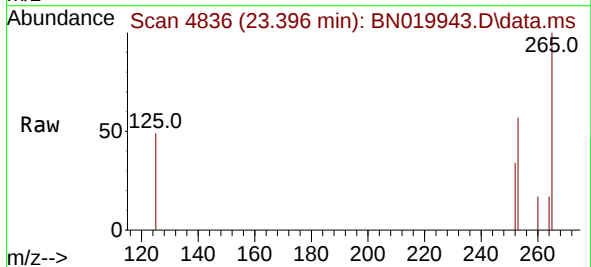
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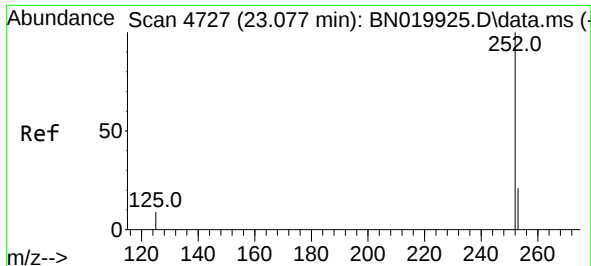
Tgt Ion:228 Resp: 4
Ion Ratio Lower Upper
228 100
226 94.7 24.2 36.2#
229 106.3 16.0 24.0#



#24
Benzo(b)fluoranthene
Concen: 0.226 ng/ul
RT: 23.396 min Scan# 4836
Delta R.T. 0.366 min
Lab File: BN019943.D
Acq: 25 May 2022 10:02

Tgt Ion:252 Resp: 4
Ion Ratio Lower Upper
252 100
253 166.4 0.0 52.0#
125 142.7 0.0 40.2#

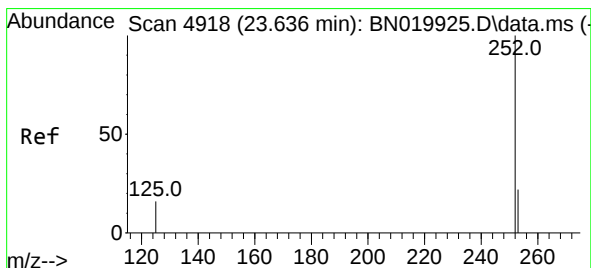
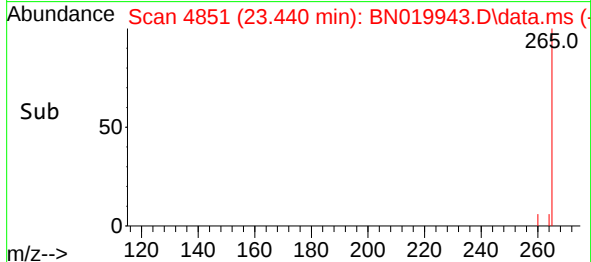
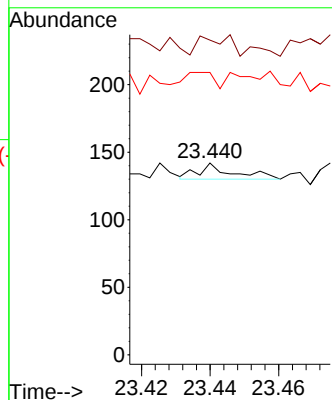
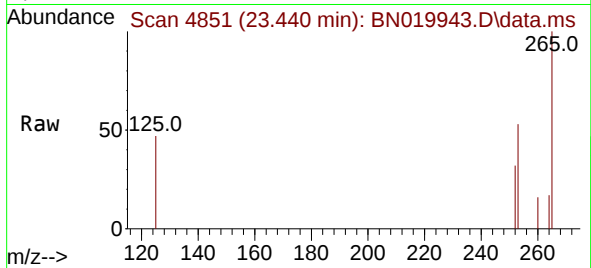




#25
Benzo(k)fluoranthene
Concen: 0.465 ng/ul
RT: 23.440 min Scan# 41
Delta R.T. 0.360 min
Lab File: BN019943.D
Acq: 25 May 2022 10:02

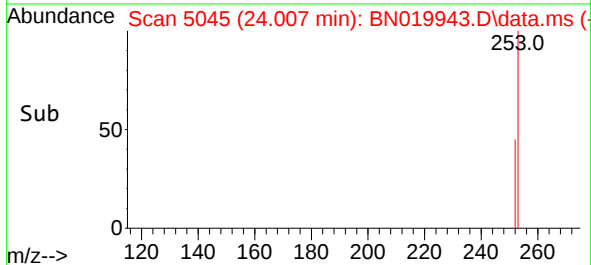
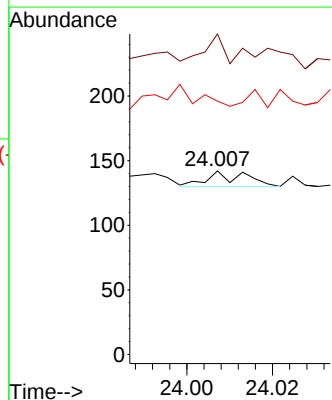
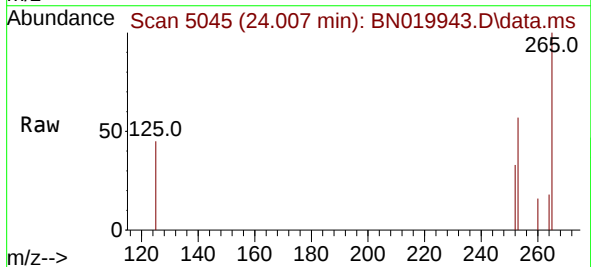
Instrument :
BNA_N
ClientSampleId :
DBTD2MSD

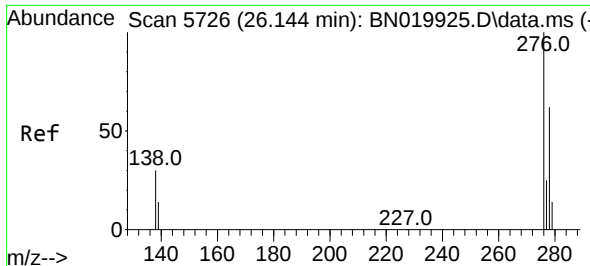
Tgt Ion:252 Resp: 8
Ion Ratio Lower Upper
252 100
253 164.1 20.2 30.2#
125 147.2 11.0 16.6#



#26
Benzo(a)pyrene
Concen: 0.419 ng/ul
RT: 24.007 min Scan# 5045
Delta R.T. 0.369 min
Lab File: BN019943.D
Acq: 25 May 2022 10:02

Tgt Ion:252 Resp: 7
Ion Ratio Lower Upper
252 100
253 174.6 23.4 35.0#
125 138.0 28.3 42.5#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.057 ng/ul

RT: 26.574 min Scan# 5854

Delta R.T. 0.423 min

Lab File: BN019943.D

Acq: 25 May 2022 10:02

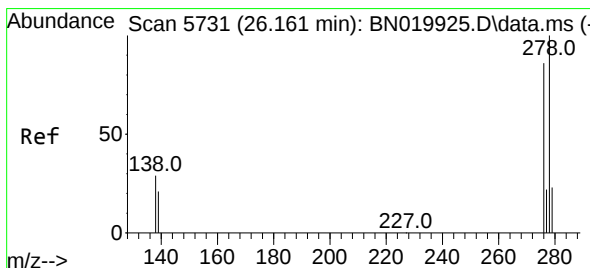
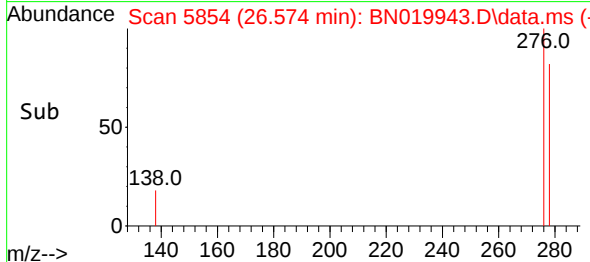
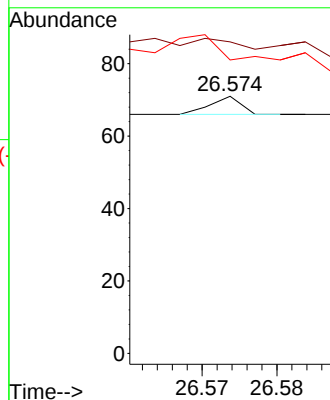
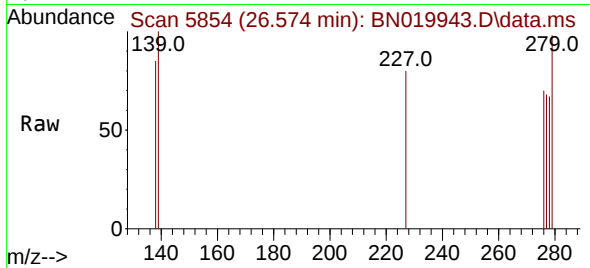
Instrument :

BNA_N

ClientSampleId :

DBTD2MSD

Tgt Ion:276 Resp: 1
 Ion Ratio Lower Upper
 276 100
 138 0.0 23.6 35.4#
 227 1000.0 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.695 ng/ul

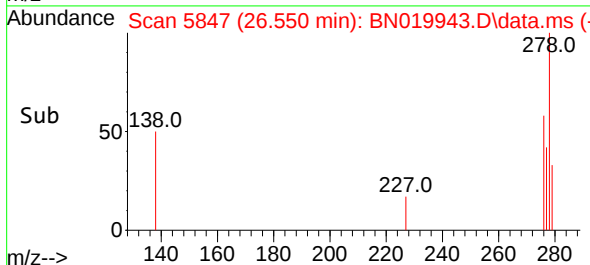
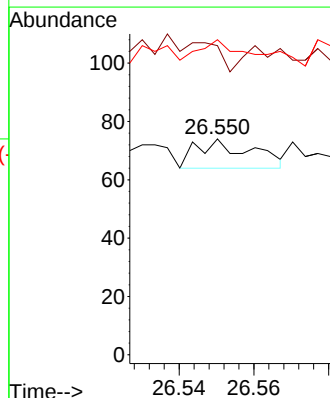
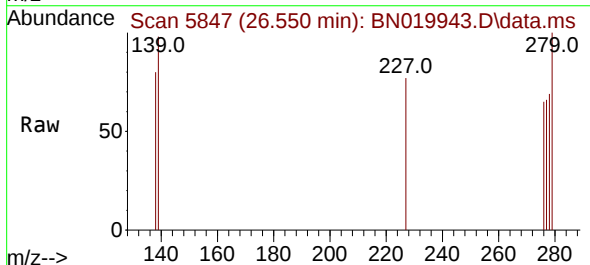
RT: 26.550 min Scan# 5847

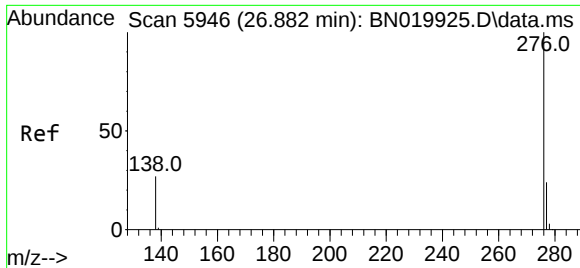
Delta R.T. 0.386 min

Lab File: BN019943.D

Acq: 25 May 2022 10:02

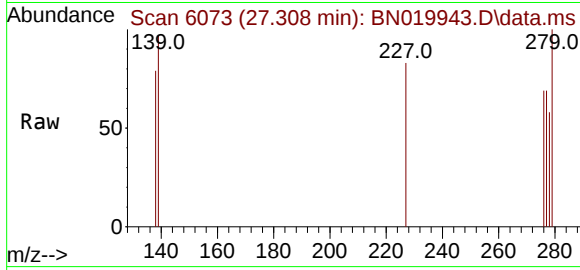
Tgt Ion:278 Resp: 10
 Ion Ratio Lower Upper
 278 100
 139 143.2 18.6 28.0#
 279 145.9 35.1 52.7#





#29
 Benzo(g,h,i)perylene
 Concen: 0.133 ng/ul
 RT: 27.308 min Scan# 60
 Delta R.T. 0.423 min
 Lab File: BN019943.D
 Acq: 25 May 2022 10:02

Instrument :
 BNA_N
 ClientSampleId :
 DBTD2MSD



Tgt Ion: 276 Resp: 2
 Ion Ratio Lower Upper
 276 100
 138 114.1 20.9 31.3#
 277 100.0 20.4 30.6#

