

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082523\
 Data File : BN027144.D
 Acq On : 26 Aug 2023 08:02
 Operator : MA/JU
 Sample : 04025-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE104D1-20230814

Quant Time: Aug 26 22:32:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 26 02:13:59 2023
 Response via : Initial Calibration

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

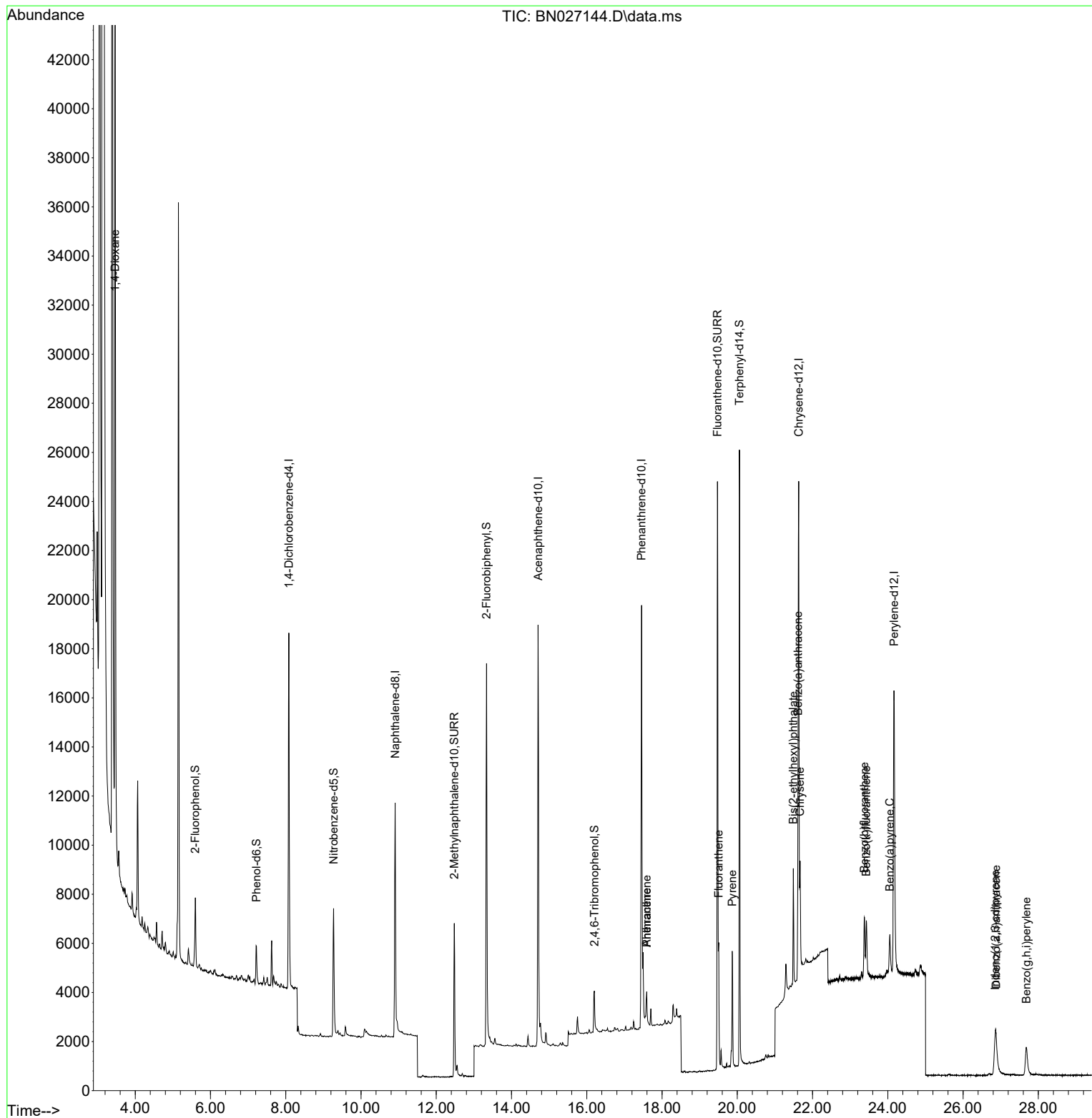
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	6951	0.400	ng	0.00
7) Naphthalene-d8	10.906	136	14543	0.400	ng	0.00
13) Acenaphthene-d10	14.705	164	10887	0.400	ng	0.00
19) Phenanthrene-d10	17.455	188	25741	0.400	ng	0.00
29) Chrysene-d12	21.632	240	21314	0.400	ng	0.00
35) Perylene-d12	24.165	264	20441	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.596	112	2343	0.120	ng	0.00
5) Phenol-d6	7.221	99	1654	0.068	ng	0.00
8) Nitrobenzene-d5	9.273	82	4702	0.383	ng	0.00
11) 2-Methylnaphthalene-d10	12.479	152	9545	0.413	ng	0.00
14) 2,4,6-Tribromophenol	16.202	330	1256	0.217	ng	0.00
15) 2-Fluorobiphenyl	13.336	172	15001	0.371	ng	0.00
27) Fluoranthene-d10	19.472	212	27894	0.423	ng	0.00
31) Terphenyl-d14	20.057	244	24282	0.545	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.466	88	26912	3.600	ng	96
25) Phenanthrene	17.592	178	1945	0.026	ng	95
26) Anthracene	17.592	178	1801	0.026	ng	99
28) Fluoranthene	19.504	202	4259	0.049	ng	95
30) Pyrene	19.867	202	4331	0.053	ng	99
32) Benzo(a)anthracene	21.614	228	3507	0.046	ng	96
33) Chrysene	21.668	228	3894	0.050	ng	97
34) Bis(2-ethylhexyl)phtha...	21.489	149	4505	0.081	ng	98
36) Indeno(1,2,3-cd)pyrene	26.852	276	3491	0.042	ng	97
37) Benzo(b)fluoranthene	23.376	252	3900	0.057	ng	# 50
38) Benzo(k)fluoranthene	23.429	252	3591	0.051	ng	# 49
39) Benzo(a)pyrene	24.051	252	2991	0.044	ng	# 24
40) Dibenzo(a,h)anthracene	26.878	278	2601	0.039	ng	# 54
41) Benzo(g,h,i)perylene	27.685	276	3169	0.044	ng	# 78

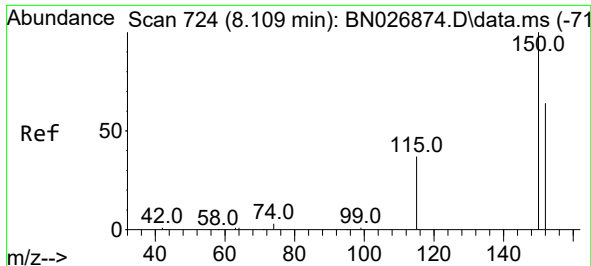
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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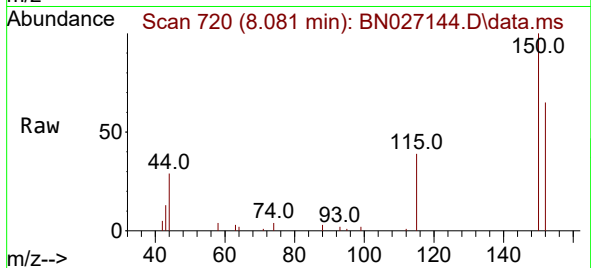
Quant Time: Aug 26 22:32:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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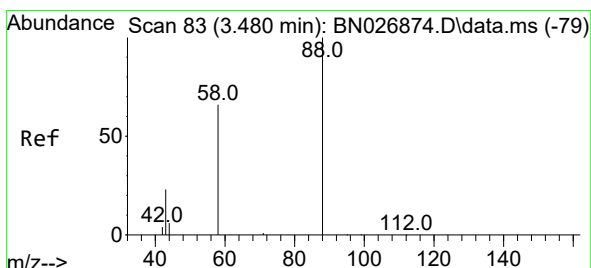
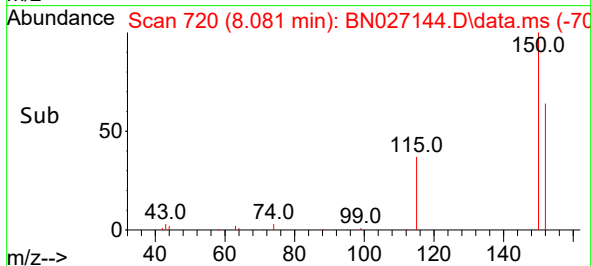
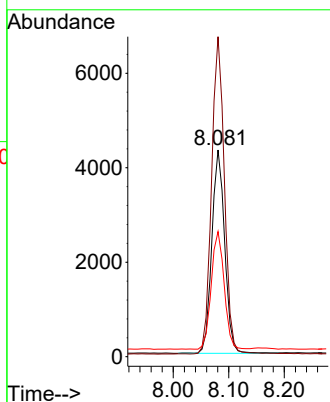


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.081 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: BN027144.D
 Acq: 26 Aug 2023 08:02

Instrument :
 BNA_N
 ClientSampleId :
 RE104D1-20230814

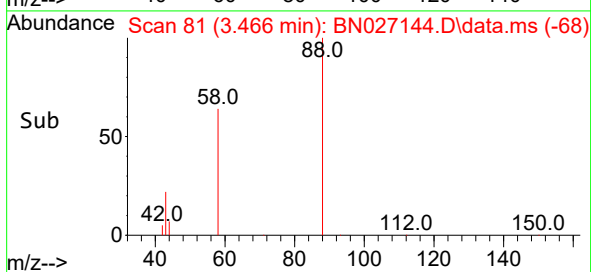
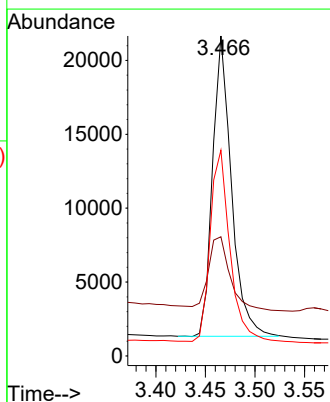
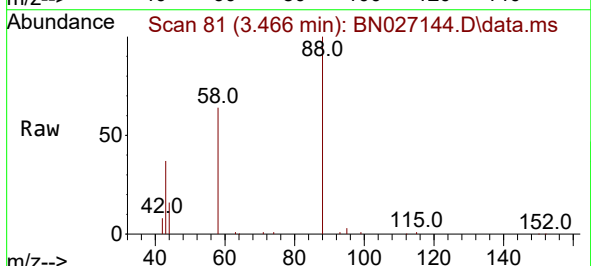


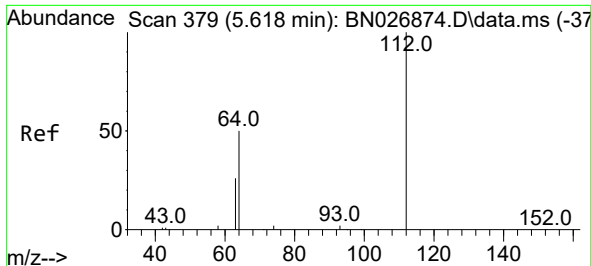
Tgt Ion:152 Resp: 6951
 Ion Ratio Lower Upper
 152 100
 150 154.8 123.8 185.6
 115 60.6 49.7 74.5



#2
 1,4-Dioxane
 Concen: 3.600 ng
 RT: 3.466 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: BN027144.D
 Acq: 26 Aug 2023 08:02

Tgt Ion: 88 Resp: 26912
 Ion Ratio Lower Upper
 88 100
 43 28.3 19.2 28.8
 58 66.2 54.5 81.7

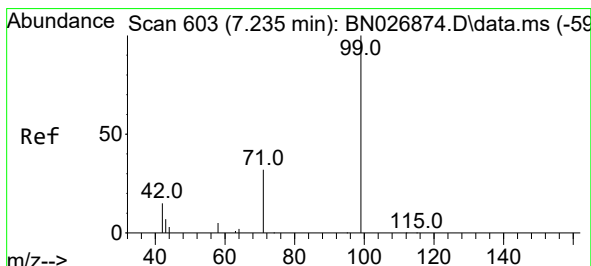
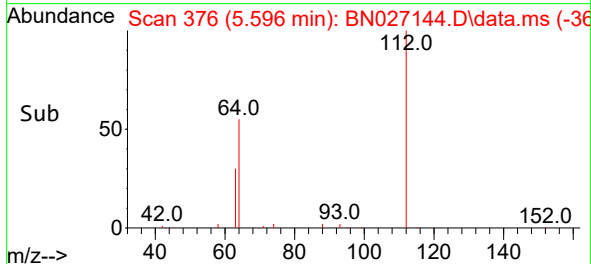
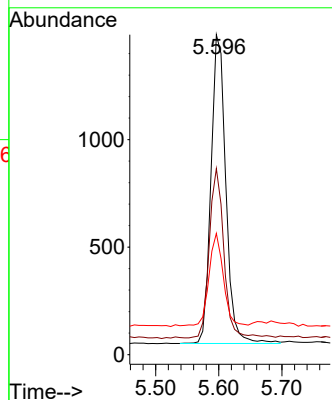
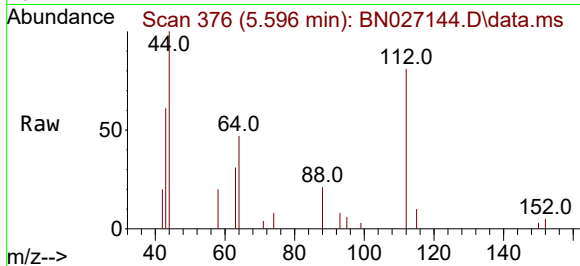




#4
2-Fluorophenol
Concen: 0.120 ng
RT: 5.596 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

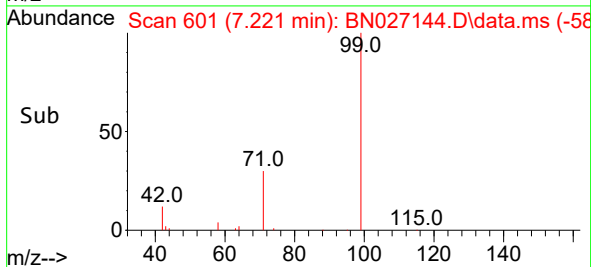
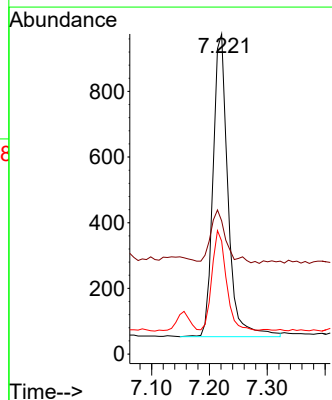
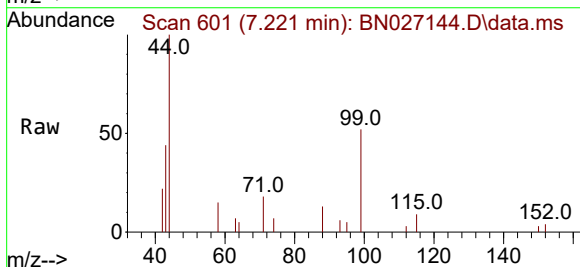
Instrument :
BNA_N
ClientSampleId :
RE104D1-20230814

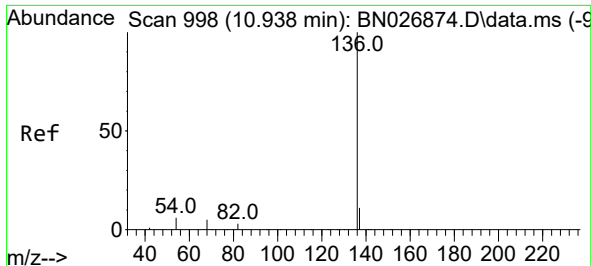
Tgt Ion:112 Resp: 2343
Ion Ratio Lower Upper
112 100
64 54.1 41.5 62.3
63 29.7 21.7 32.5



#5
Phenol-d6
Concen: 0.068 ng
RT: 7.221 min Scan# 601
Delta R.T. 0.000 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

Tgt Ion: 99 Resp: 1654
Ion Ratio Lower Upper
99 100
42 18.1 13.6 20.4
71 31.1 26.0 39.0

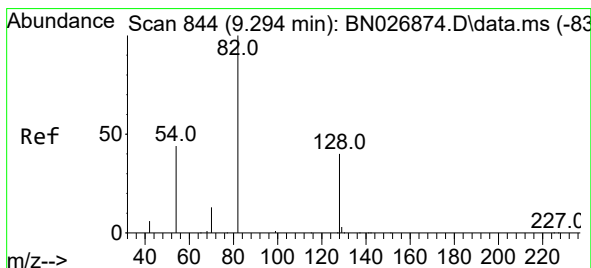
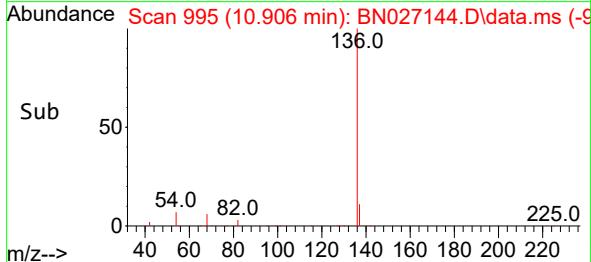
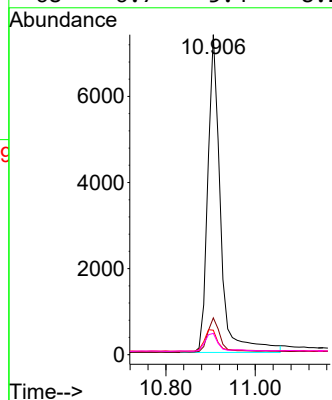
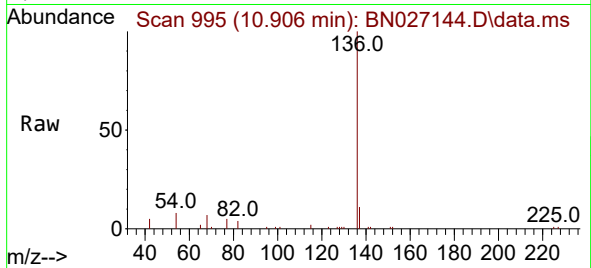




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.906 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

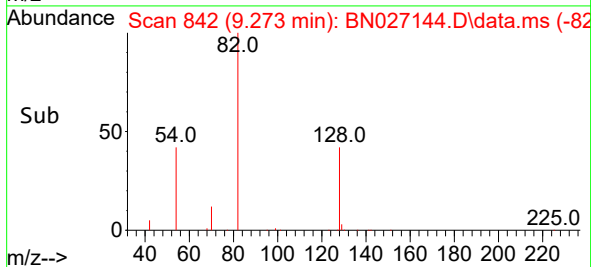
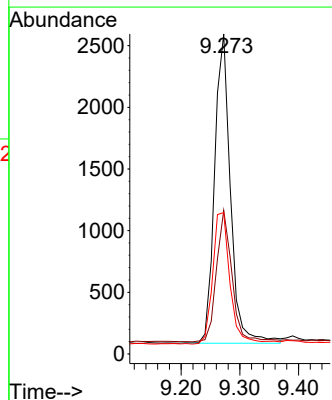
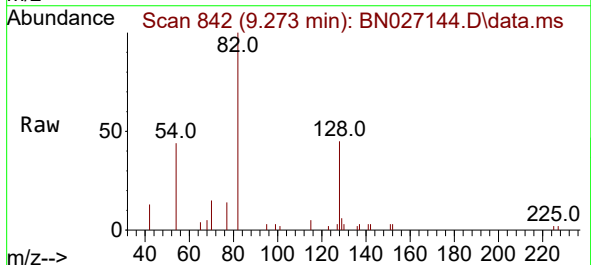
Instrument :
BNA_N
ClientSampleId :
RE104D1-20230814

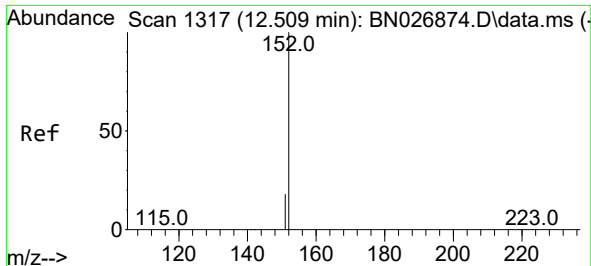
Tgt Ion:	136	Resp:	14543
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.0	13.6
54	7.7	5.5	8.3
68	6.7	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.383 ng
RT: 9.273 min Scan# 842
Delta R.T. 0.000 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

Tgt Ion:	82	Resp:	4702
Ion Ratio	Lower	Upper	
82	100		
128	44.9	34.1	51.1
54	44.2	37.0	55.4

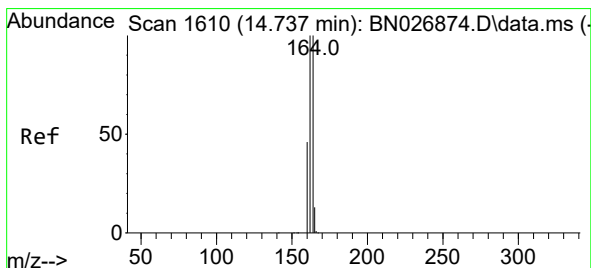
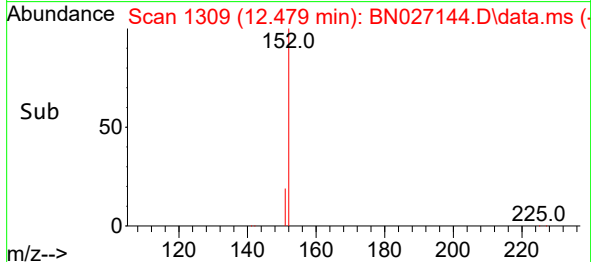
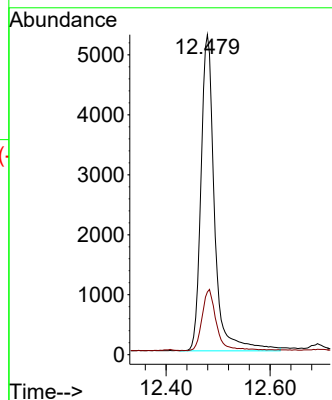
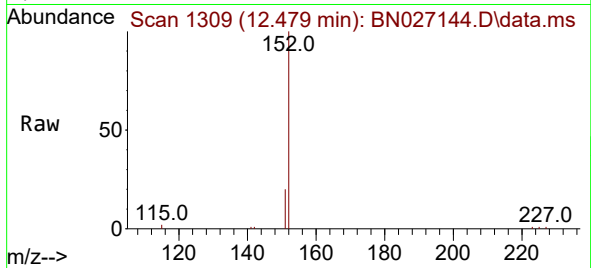




#11
2-Methylnaphthalene-d10
Concen: 0.413 ng
RT: 12.479 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

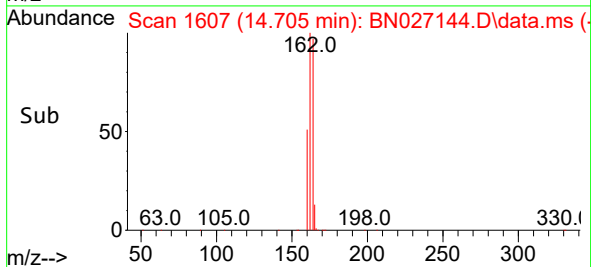
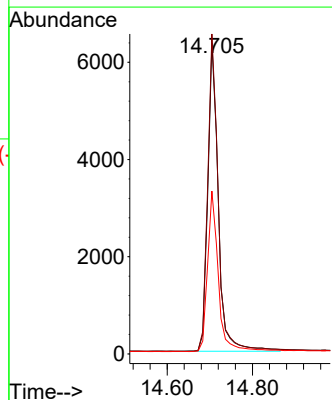
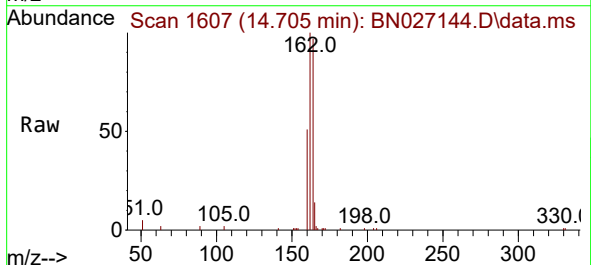
Instrument :
BNA_N
ClientSampleId :
RE104D1-20230814

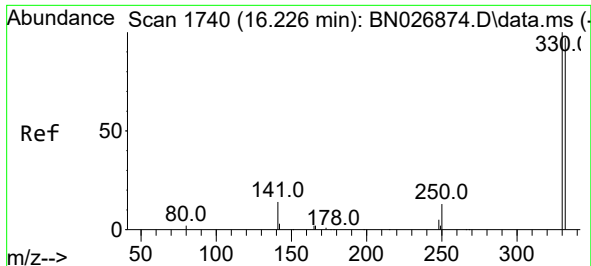
Tgt Ion:152 Resp: 9545
Ion Ratio Lower Upper
152 100
151 20.5 16.3 24.5



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.705 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

Tgt Ion:164 Resp: 10887
Ion Ratio Lower Upper
164 100
162 102.8 79.7 119.5
160 52.3 37.4 56.0

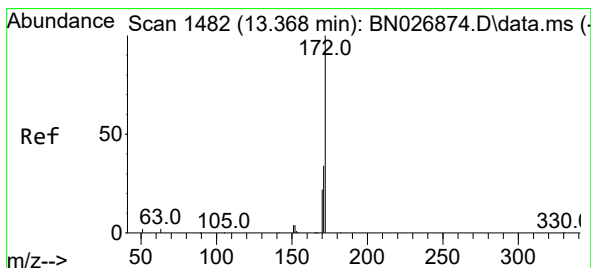
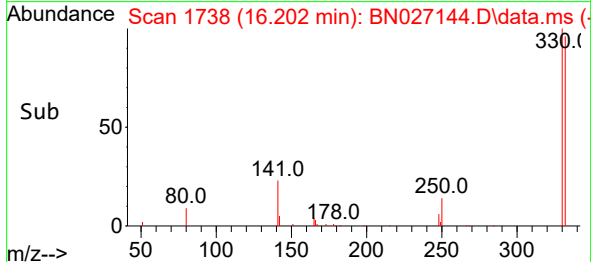
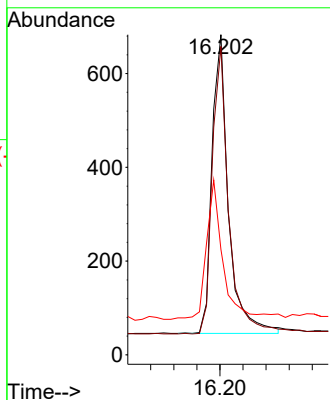
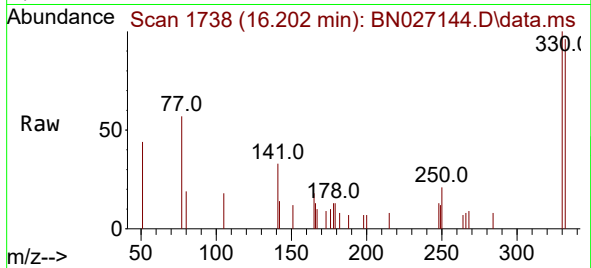




#14
2,4,6-Tribromophenol
Concen: 0.217 ng
RT: 16.202 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

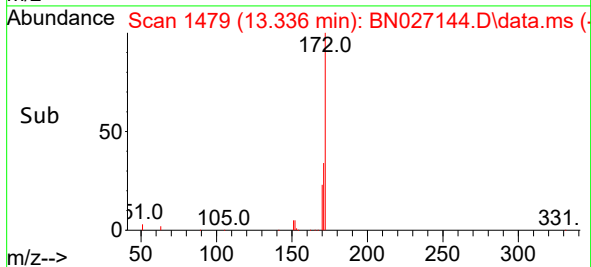
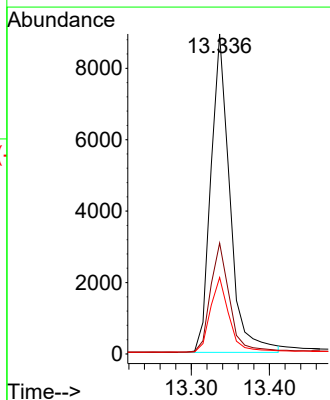
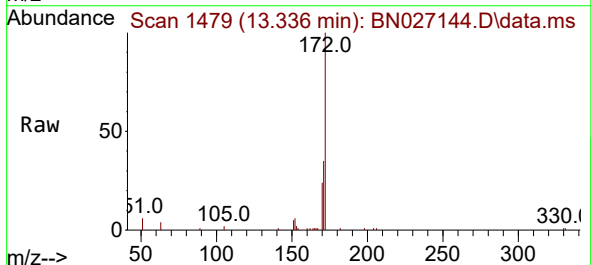
Instrument :
BNA_N
ClientSampleId :
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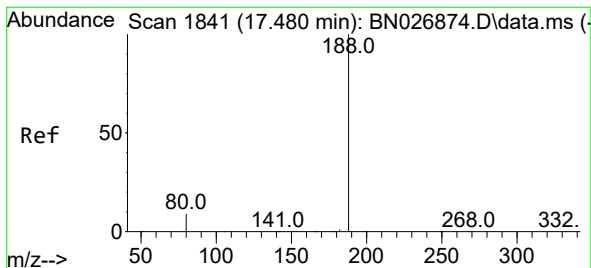
Tgt Ion: 330 Resp: 1256
Ion Ratio Lower Upper
330 100
332 96.3 76.6 114.8
141 43.1 32.3 48.5



#15
2-Fluorobiphenyl
Concen: 0.371 ng
RT: 13.336 min Scan# 1479
Delta R.T. 0.000 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

Tgt Ion: 172 Resp: 15001
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.0
170 23.9 18.0 27.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.455 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BN027144.D

Acq: 26 Aug 2023 08:02

Instrument :

BNA_N

ClientSampleId :

RE104D1-20230814

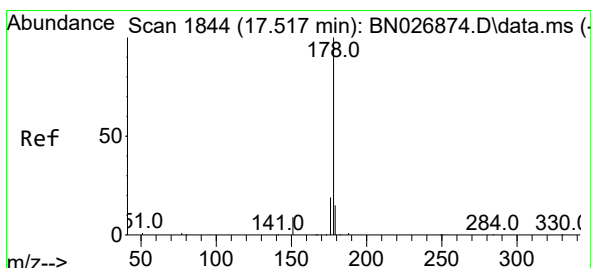
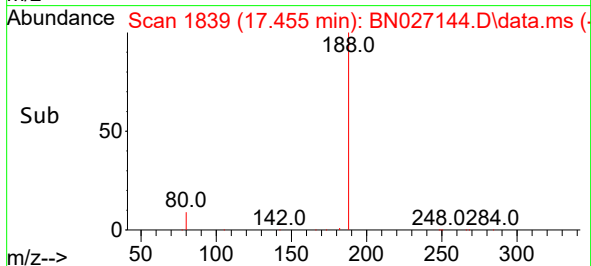
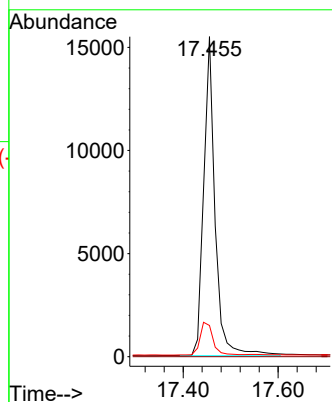
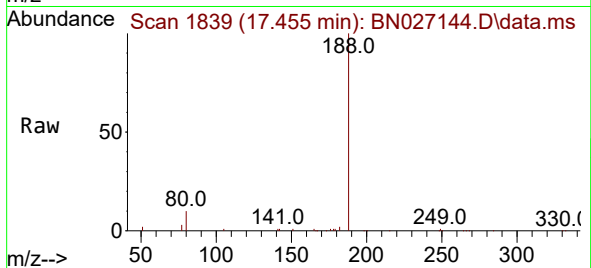
Tgt Ion:188 Resp: 25741

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.7 7.4 11.2



#25

Phenanthrene

Concen: 0.026 ng

RT: 17.592 min Scan# 1850

Delta R.T. 0.099 min

Lab File: BN027144.D

Acq: 26 Aug 2023 08:02

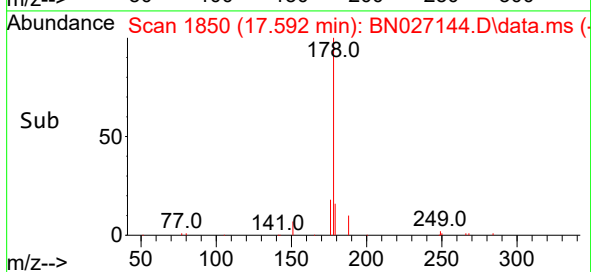
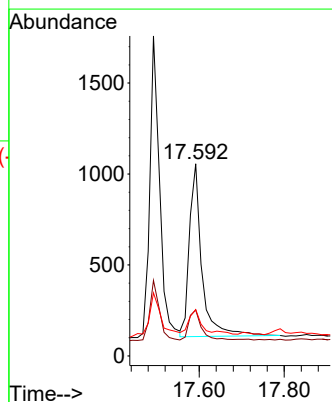
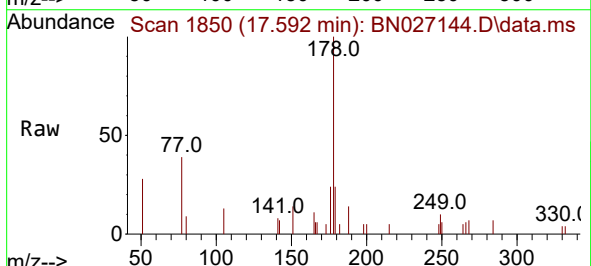
Tgt Ion:178 Resp: 1945

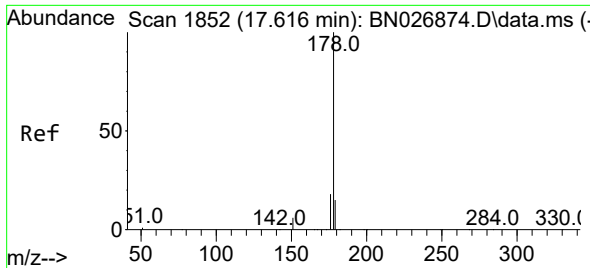
Ion Ratio Lower Upper

178 100

176 17.3 15.3 22.9

179 17.6 12.2 18.4

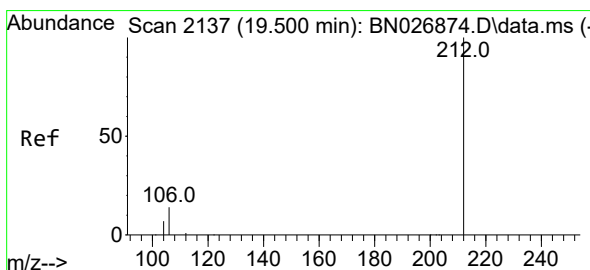
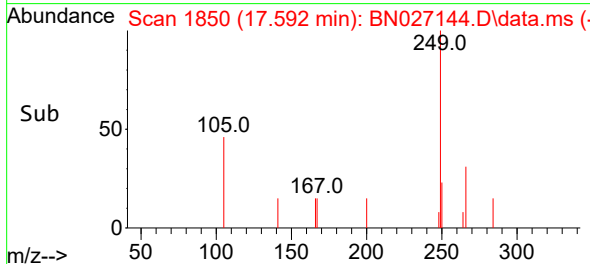
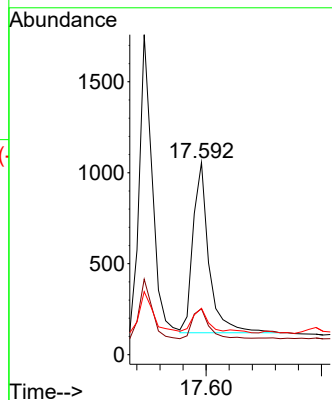
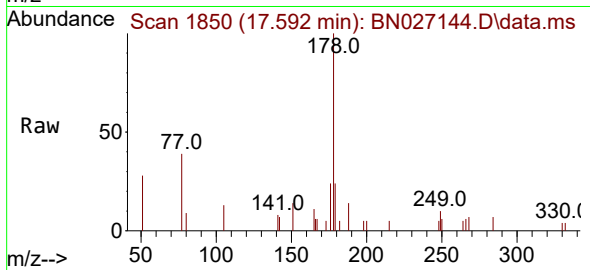




#26
 Anthracene
 Concen: 0.026 ng
 RT: 17.592 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: BN027144.D
 Acq: 26 Aug 2023 08:02

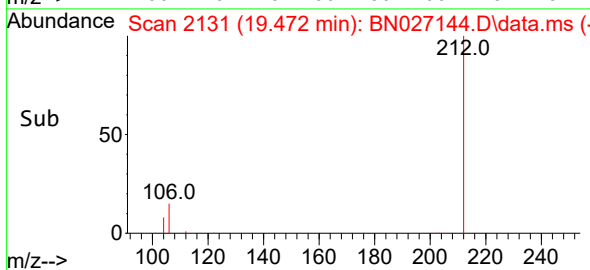
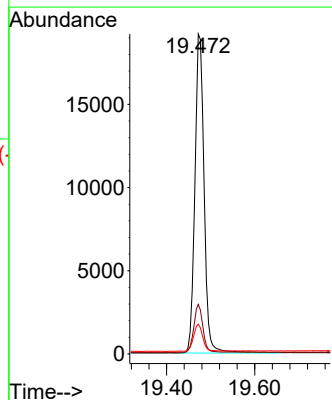
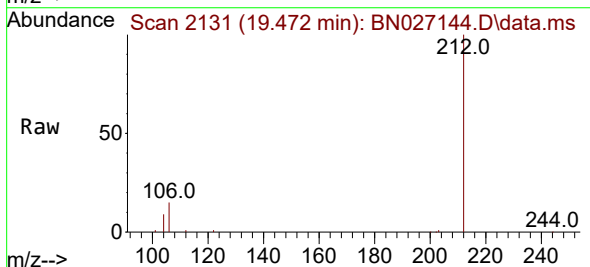
Instrument :
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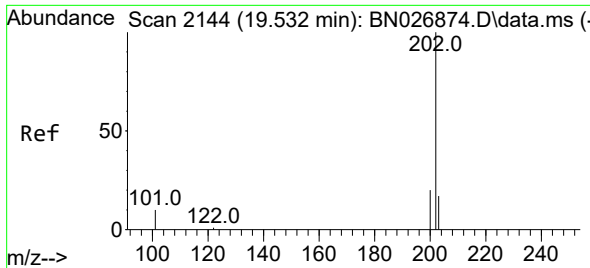
Tgt Ion:178 Resp: 1801
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.8 22.2
 179 16.1 12.1 18.1



#27
 Fluoranthene-d10
 Concen: 0.423 ng
 RT: 19.472 min Scan# 2131
 Delta R.T. -0.005 min
 Lab File: BN027144.D
 Acq: 26 Aug 2023 08:02

Tgt Ion:212 Resp: 27894
 Ion Ratio Lower Upper
 212 100
 106 14.8 10.9 16.3
 104 8.4 5.9 8.9

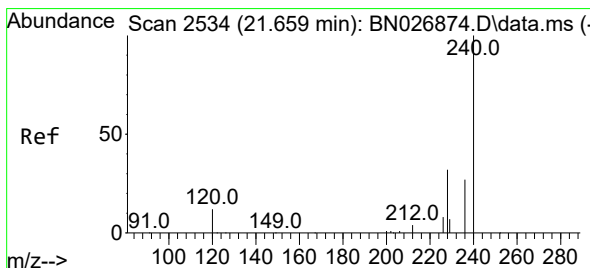
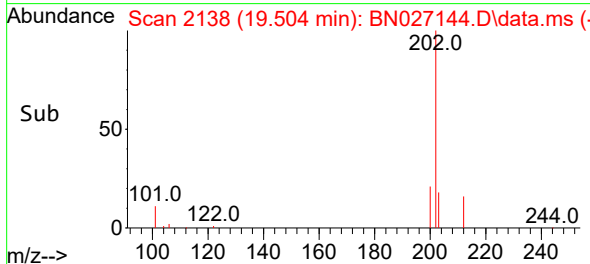
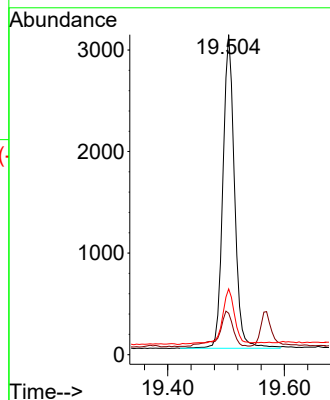
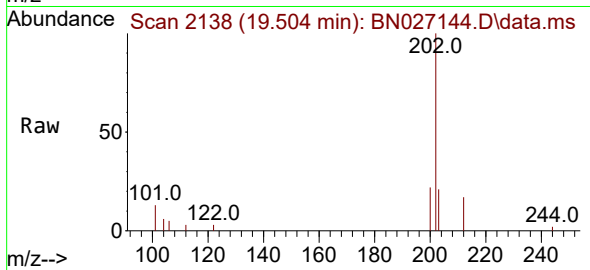




#28
Fluoranthene
Concen: 0.049 ng
RT: 19.504 min Scan# 2144
Delta R.T. -0.005 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

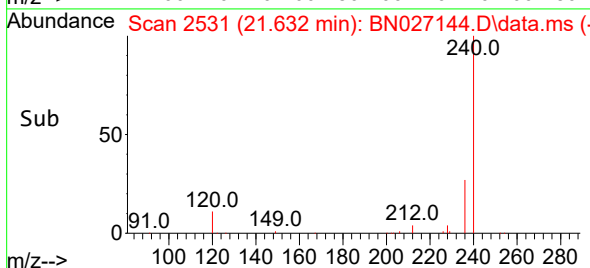
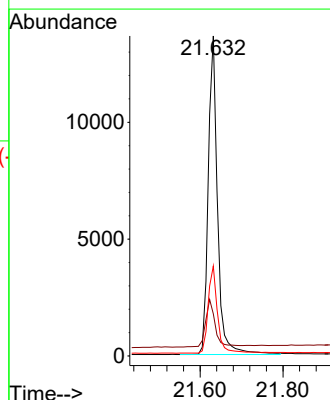
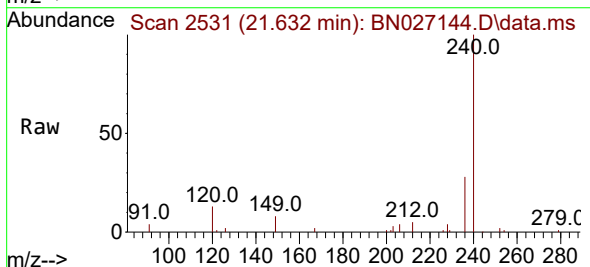
Instrument :
BNA_N
ClientSampleId :
RE104D1-20230814

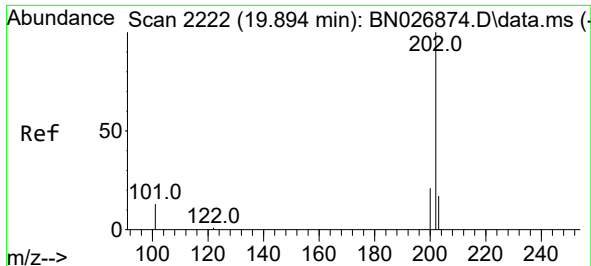
Tgt Ion:202 Resp: 4259
Ion Ratio Lower Upper
202 100
101 13.0 8.9 13.3
203 19.4 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.632 min Scan# 2531
Delta R.T. 0.000 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

Tgt Ion:240 Resp: 21314
Ion Ratio Lower Upper
240 100
120 13.2 11.1 16.7
236 28.1 22.2 33.2

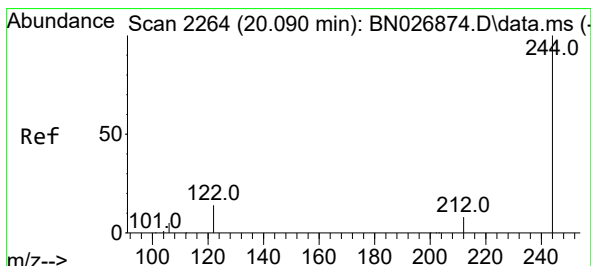
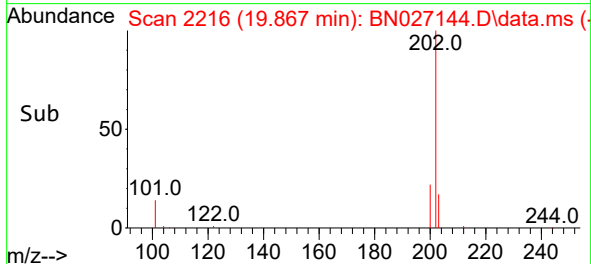
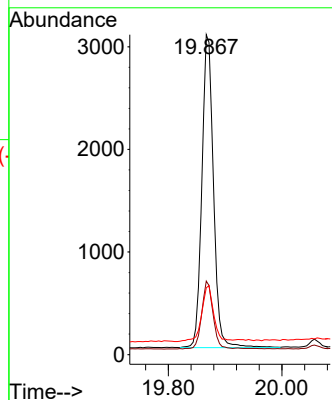
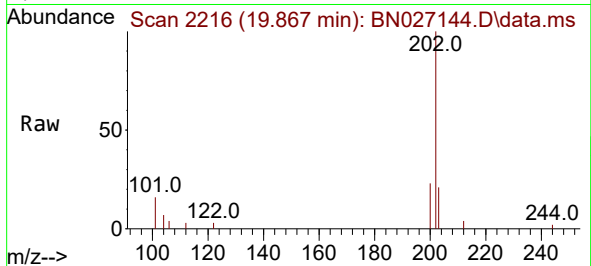




#30
Pyrene
Concen: 0.053 ng
RT: 19.867 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

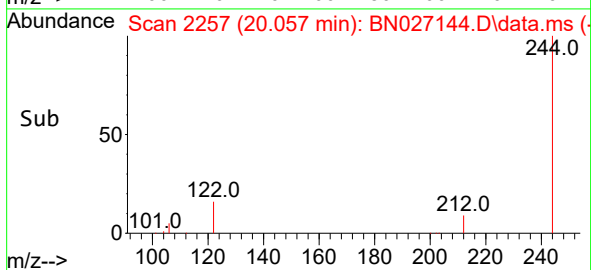
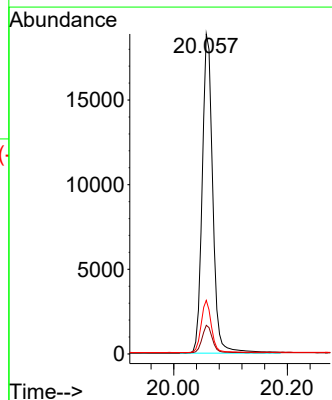
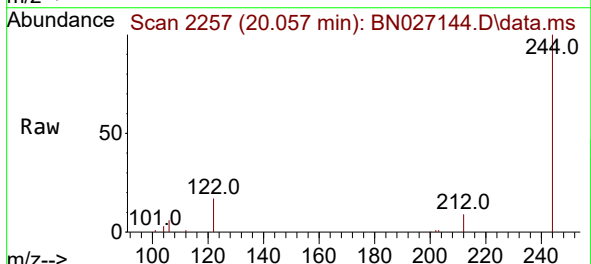
Instrument :
BNA_N
ClientSampleId :
RE104D1-20230814

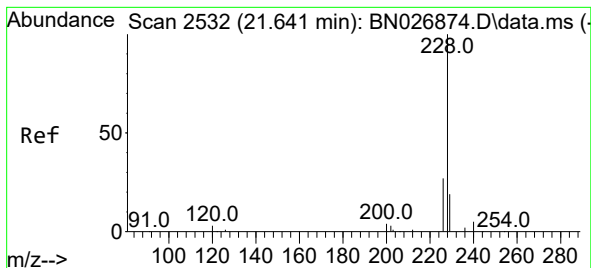
Tgt Ion:202 Resp: 4331
Ion Ratio Lower Upper
202 100
200 21.0 16.6 25.0
203 18.3 14.4 21.6



#31
Terphenyl-d14
Concen: 0.545 ng
RT: 20.057 min Scan# 2257
Delta R.T. -0.005 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

Tgt Ion:244 Resp: 24282
Ion Ratio Lower Upper
244 100
212 9.0 6.9 10.3
122 16.8 11.9 17.9





#32

Benzo(a)anthracene

Concen: 0.046 ng

RT: 21.614 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027144.D

Acq: 26 Aug 2023 08:02

Instrument :

BNA_N

ClientSampleId :

RE104D1-20230814

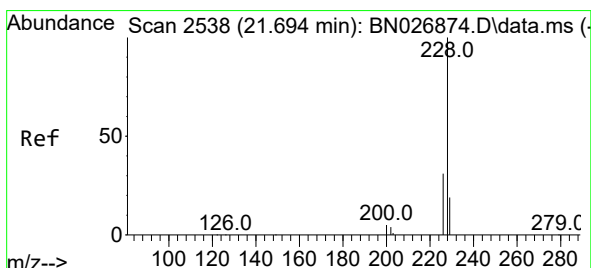
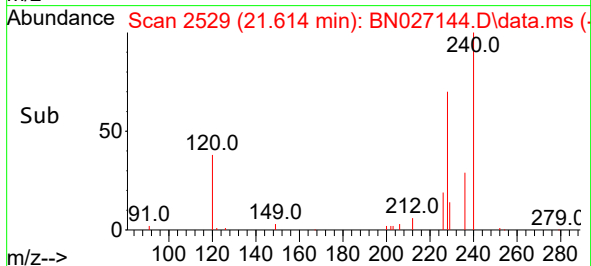
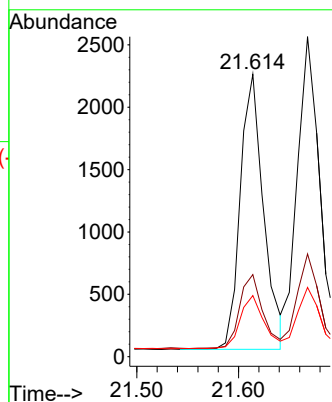
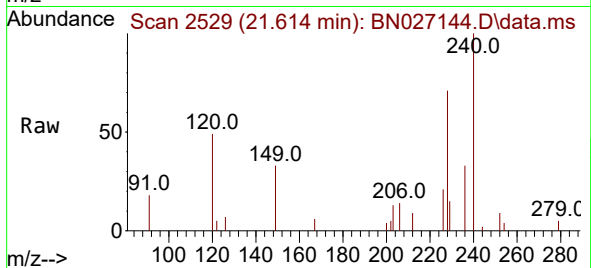
Tgt Ion:228 Resp: 3507

Ion Ratio Lower Upper

228 100

226 29.1 22.1 33.1

229 21.6 15.5 23.3



#33

Chrysene

Concen: 0.050 ng

RT: 21.668 min Scan# 2535

Delta R.T. 0.000 min

Lab File: BN027144.D

Acq: 26 Aug 2023 08:02

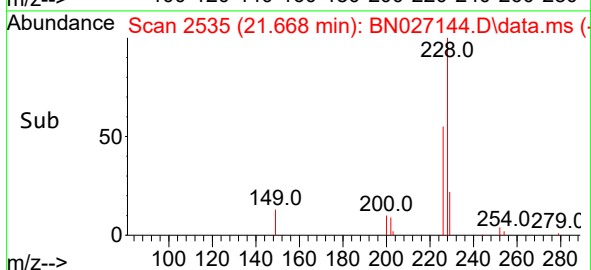
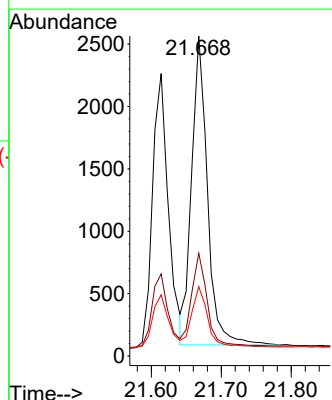
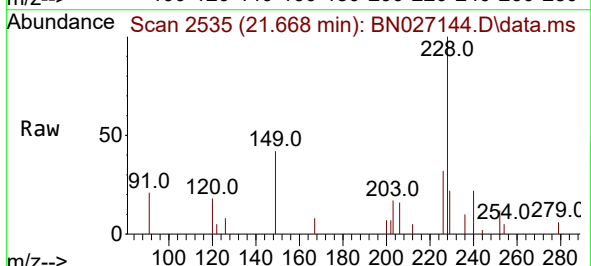
Tgt Ion:228 Resp: 3894

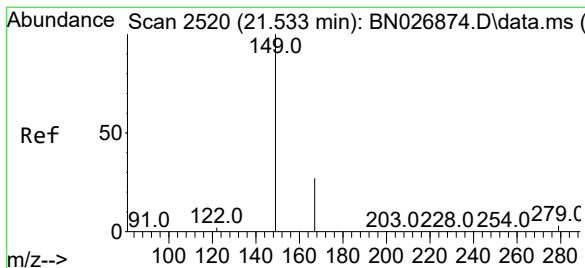
Ion Ratio Lower Upper

228 100

226 32.1 24.6 37.0

229 21.7 15.5 23.3

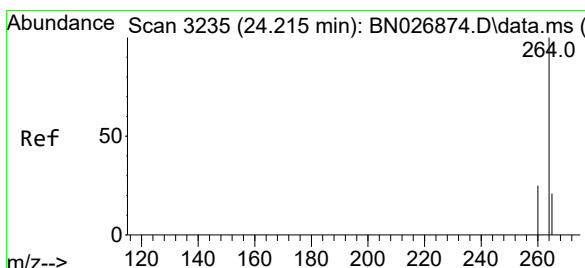
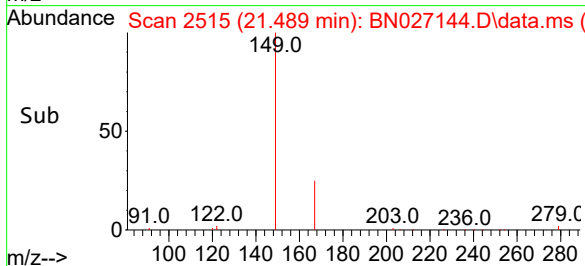
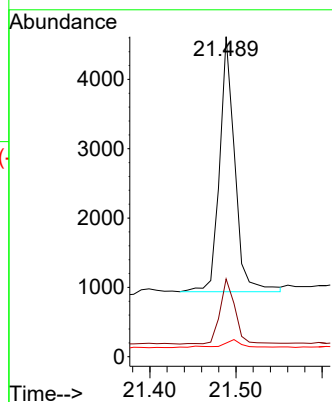
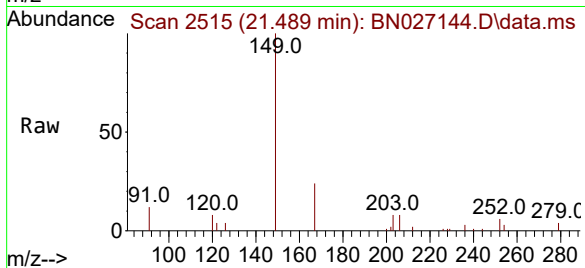




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.081 ng
 RT: 21.489 min Scan# 2148
 Delta R.T. -0.009 min
 Lab File: BN027144.D
 Acq: 26 Aug 2023 08:02

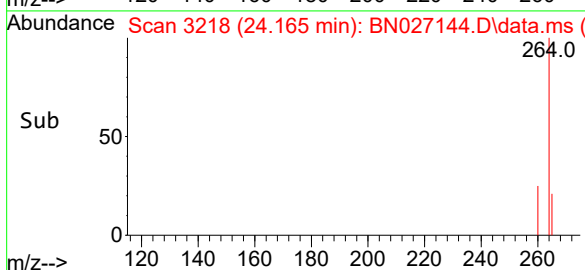
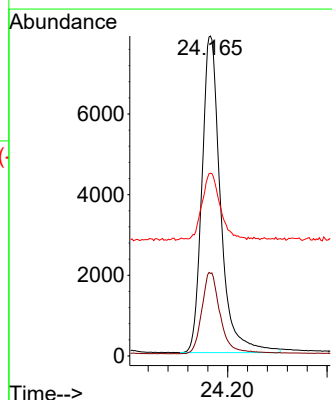
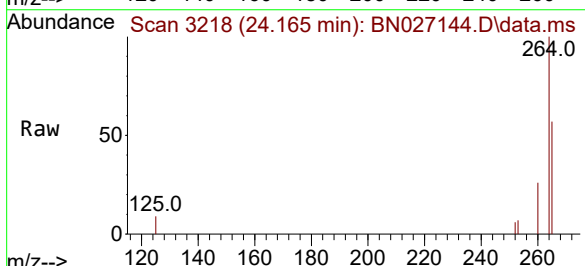
Instrument :
 BNA_N
 ClientSampleId :
 RE104D1-20230814

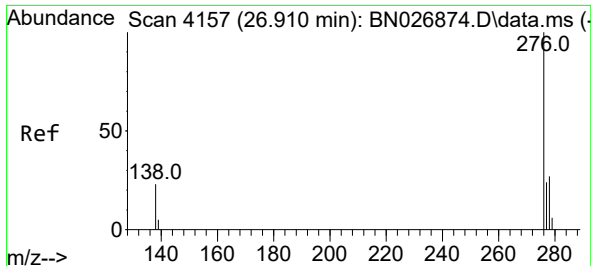
Tgt Ion:149 Resp: 4505
 Ion Ratio Lower Upper
 149 100
 167 25.5 21.4 32.0
 279 4.2 3.6 5.4



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.165 min Scan# 3218
 Delta R.T. -0.006 min
 Lab File: BN027144.D
 Acq: 26 Aug 2023 08:02

Tgt Ion:264 Resp: 20441
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.4 30.6
 265 57.1 27.0 40.6#

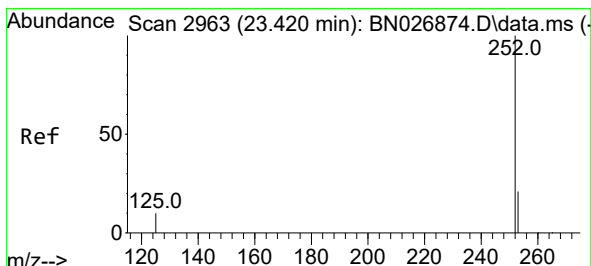
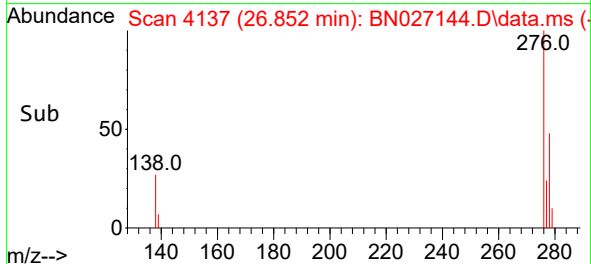
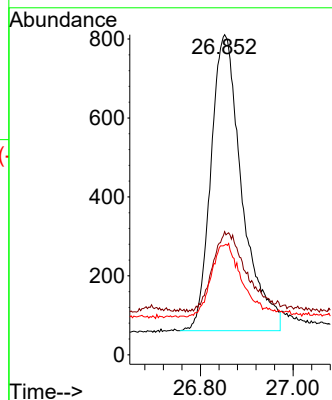
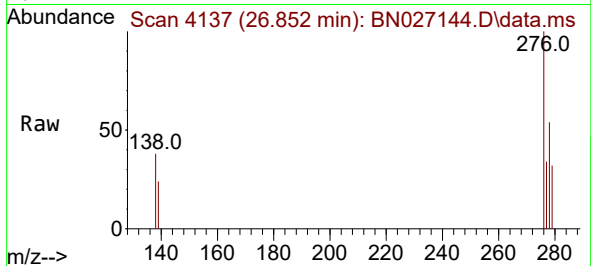




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.042 ng
RT: 26.852 min Scan# 4157
Delta R.T. 0.000 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

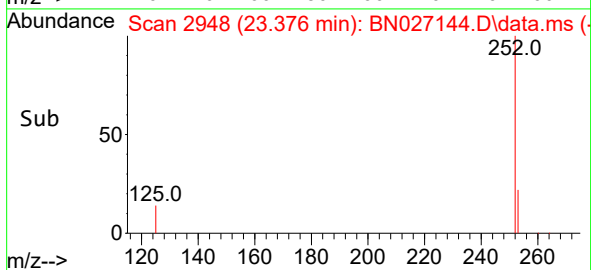
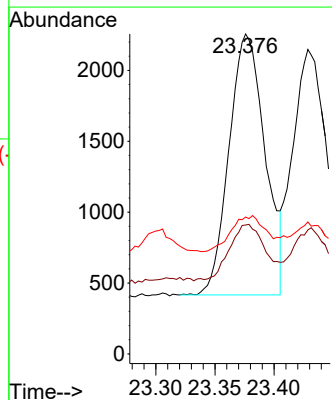
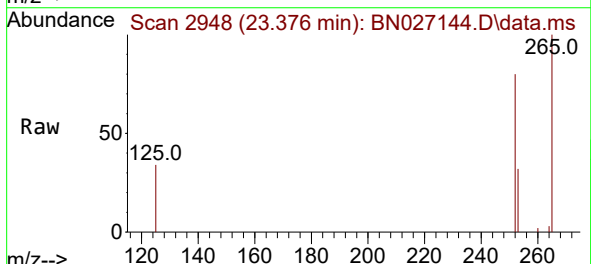
Instrument :
BNA_N
ClientSampleId :
RE104D1-20230814

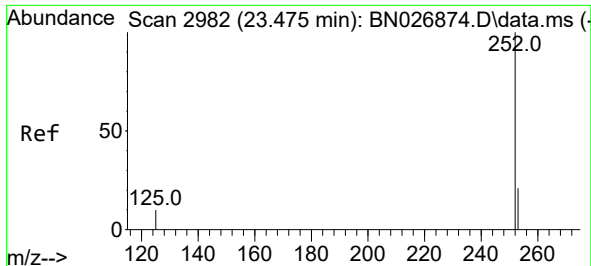
Tgt Ion:276 Resp: 3491
Ion Ratio Lower Upper
276 100
138 29.0 21.1 31.7
277 24.1 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 0.057 ng
RT: 23.376 min Scan# 2948
Delta R.T. -0.003 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

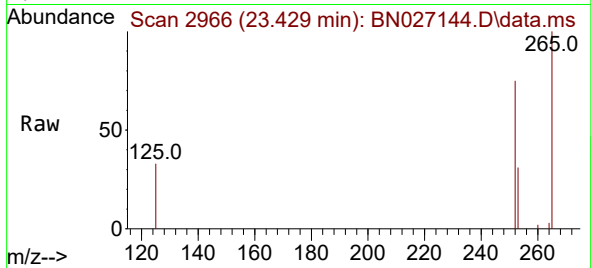
Tgt Ion:252 Resp: 3900
Ion Ratio Lower Upper
252 100
253 40.3 18.4 27.6#
125 42.8 10.2 15.2#



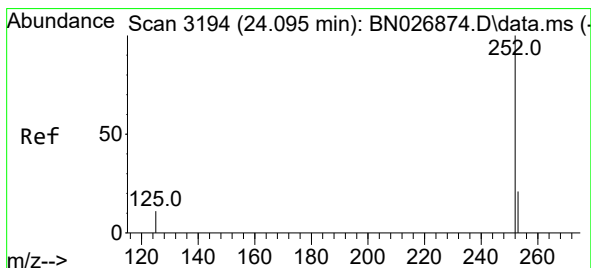
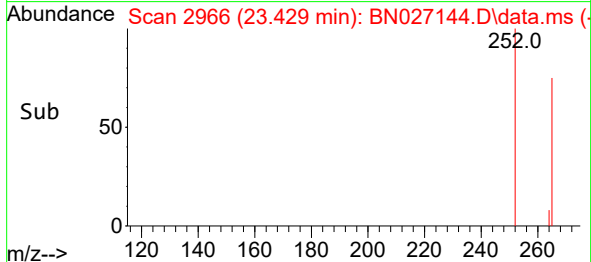
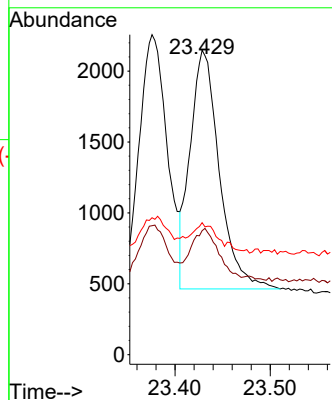


#38
Benzo(k)fluoranthene
Concen: 0.051 ng
RT: 23.429 min Scan# 2982
Delta R.T. -0.003 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

Instrument :
BNA_N
ClientSampleId :
RE104D1-20230814

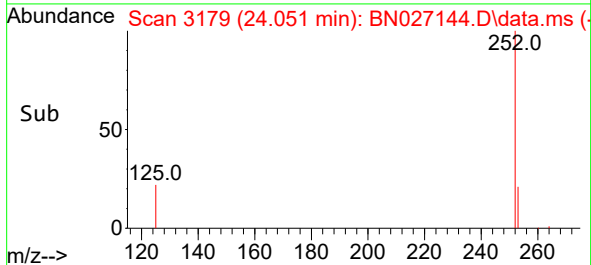
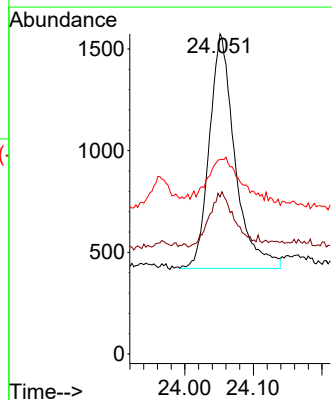
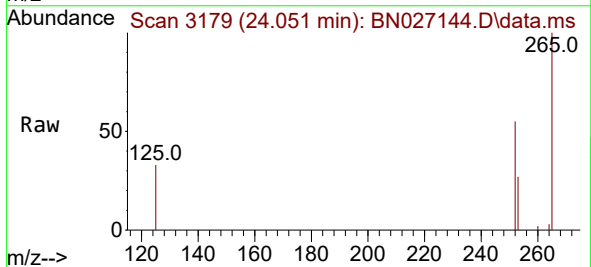


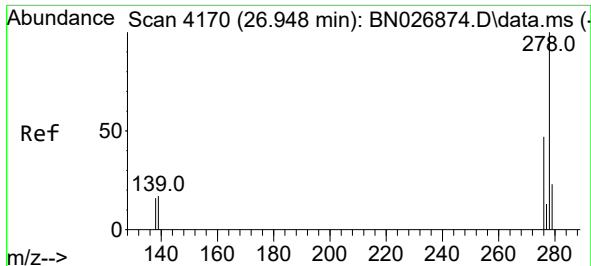
Tgt Ion:252 Resp: 3591
Ion Ratio Lower Upper
252 100
253 40.7 18.4 27.6#
125 43.4 10.2 15.2#



#39
Benzo(a)pyrene
Concen: 0.044 ng
RT: 24.051 min Scan# 3179
Delta R.T. -0.006 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

Tgt Ion:252 Resp: 2991
Ion Ratio Lower Upper
252 100
253 49.1 18.6 28.0#
125 60.7 11.7 17.5#

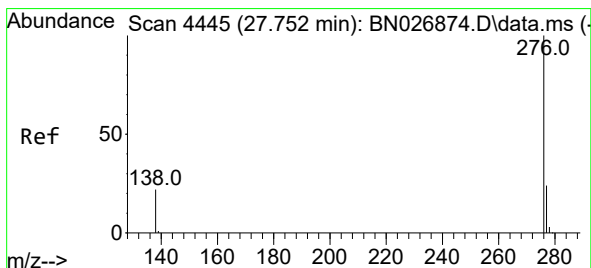
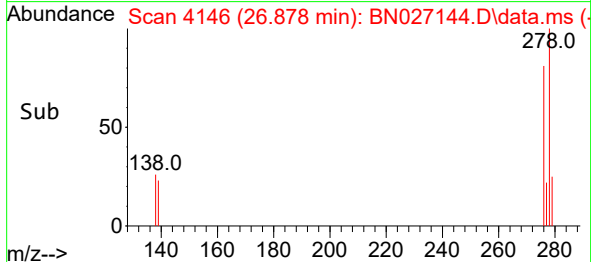
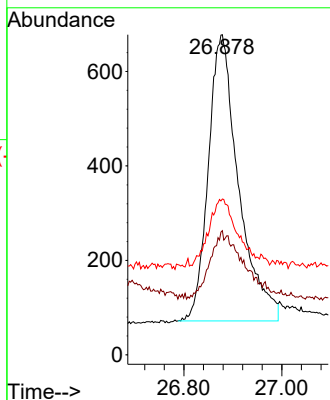
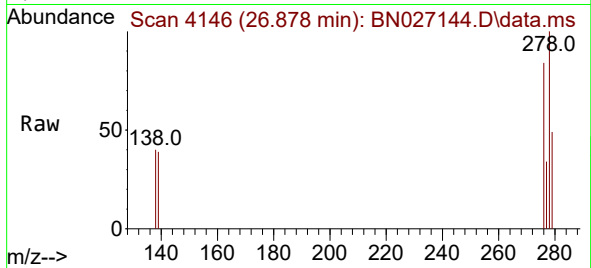




#40
Dibenzo(a,h)anthracene
Concen: 0.039 ng
RT: 26.878 min Scan# 41
Delta R.T. -0.003 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

Instrument :
BNA_N
ClientSampleId :
RE104D1-20230814

Tgt Ion:278 Resp: 2601
Ion Ratio Lower Upper
278 100
139 38.8 15.3 22.9#
279 48.7 19.9 29.9#



#41
Benzo(g,h,i)perylene
Concen: 0.044 ng
RT: 27.685 min Scan# 4422
Delta R.T. -0.003 min
Lab File: BN027144.D
Acq: 26 Aug 2023 08:02

Tgt Ion:276 Resp: 3169
Ion Ratio Lower Upper
276 100
277 34.1 19.8 29.8#
138 35.9 19.0 28.4#

