

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062723\
 Data File : BN026042.D
 Acq On : 27 Jun 2023 18:11
 Operator : MA/JU
 Sample : 03376-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TW-1

Quant Time: Jun 28 05:50:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 05:23:31 2023
 Response via : Initial Calibration

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

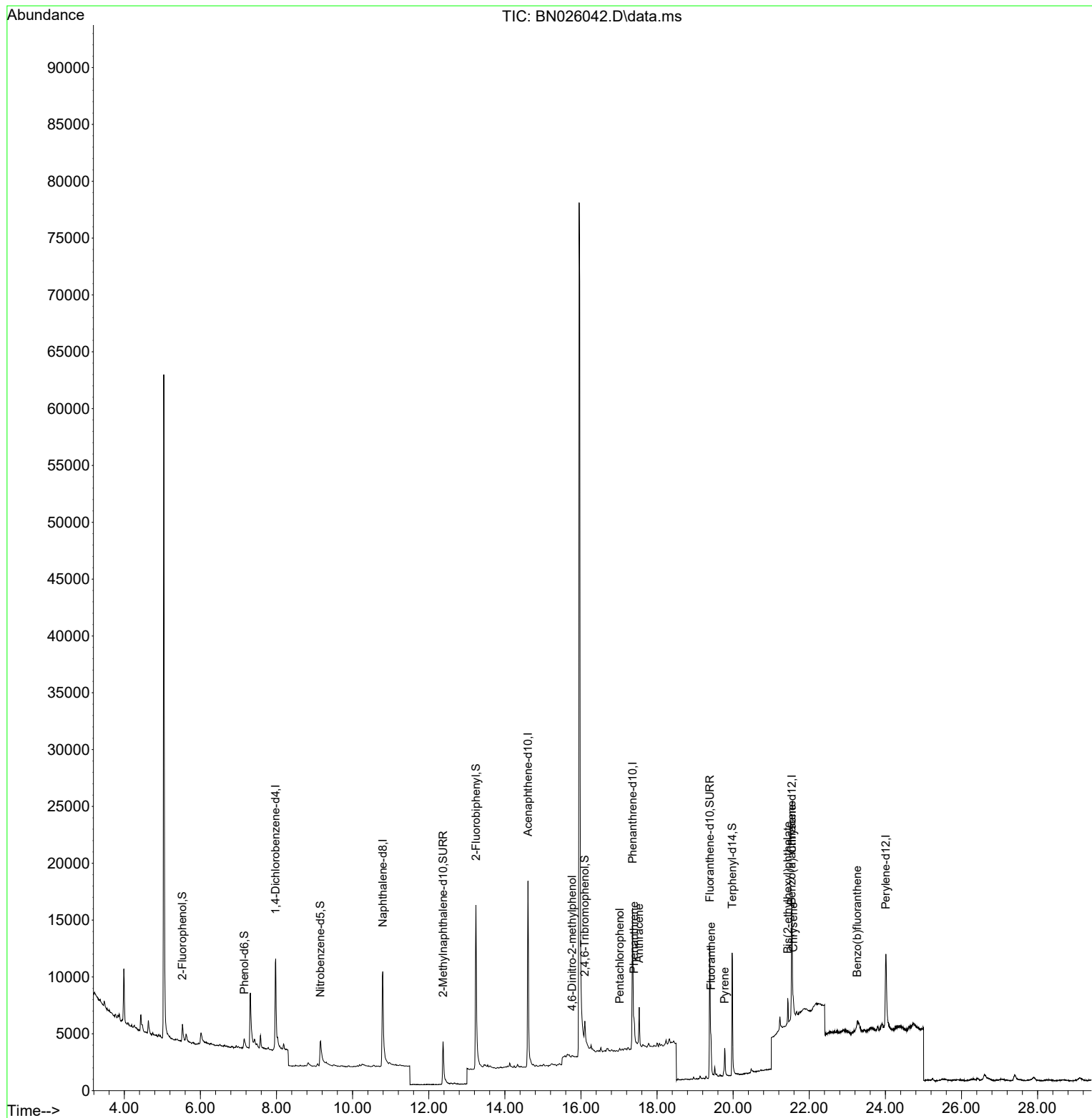
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	5835	0.400	ng	0.00
7) Naphthalene-d8	10.792	136	16826	0.400	ng	0.01
13) Acenaphthene-d10	14.608	164	10488	0.400	ng	0.00
19) Phenanthrene-d10	17.356	188	21136	0.400	ng	0.00
29) Chrysene-d12	21.542	240	11351	0.400	ng	0.00
35) Perylene-d12	24.013	264	11298	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.528	112	1919	0.136	ng	0.00
5) Phenol-d6	7.153	99	1398	0.077	ng	0.01
8) Nitrobenzene-d5	9.148	82	4304	0.299	ng	0.00
11) 2-Methylnaphthalene-d10	12.377	152	8085	0.329	ng	0.00
14) 2,4,6-Tribromophenol	16.102	330	1209	0.317	ng	0.00
15) 2-Fluorobiphenyl	13.240	172	17325	0.428	ng	0.00
27) Fluoranthene-d10	19.384	212	15608	0.349	ng	0.00
31) Terphenyl-d14	19.974	244	12423	0.428	ng	0.00
Target Compounds						Qvalue
20) 4,6-Dinitro-2-methylph...	15.767	198	37	0.070	ng	# 1
24) Pentachlorophenol	17.021	266	125	0.022	ng	# 89
25) Phenanthrene	17.393	178	2838	0.046	ng	# 96
26) Anthracene	17.530	178	1424	0.026	ng	# 1
28) Fluoranthene	19.416	202	3158	0.049	ng	# 89
30) Pyrene	19.779	202	2694	0.043	ng	# 96
32) Benzo(a)anthracene	21.533	228	834	0.020	ng	# 65
33) Chrysene	21.578	228	1135	0.025	ng	# 79
34) Bis(2-ethylhexyl)phtha...	21.435	149	2569	0.070	ng	# 93
37) Benzo(b)fluoranthene	23.259	252	1445	0.035	ng	# 1

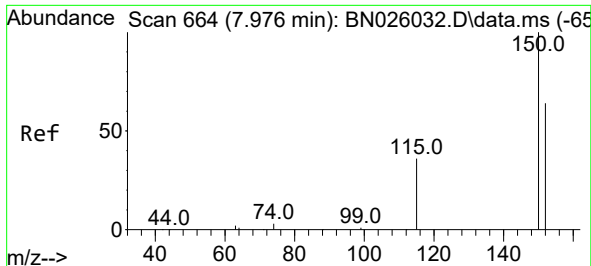
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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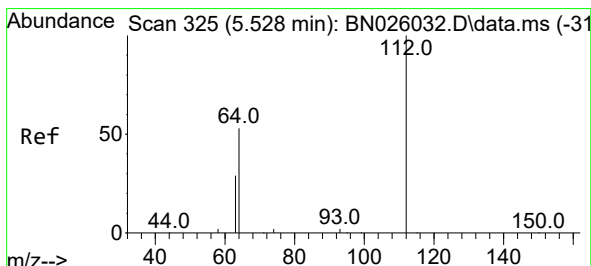
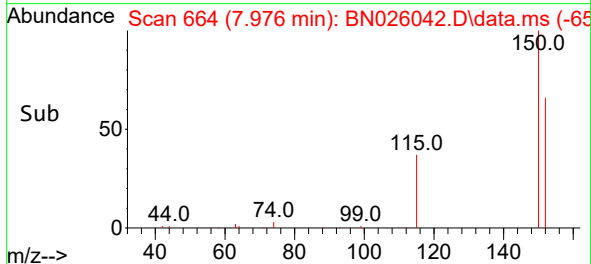
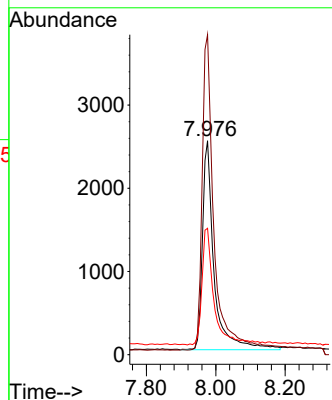
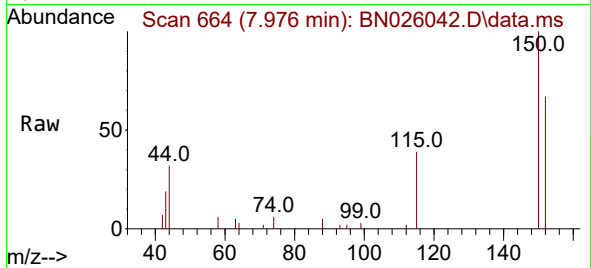




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.976 min Scan# 664
Delta R.T. 0.000 min
Lab File: BN026042.D
Acq: 27 Jun 2023 18:11

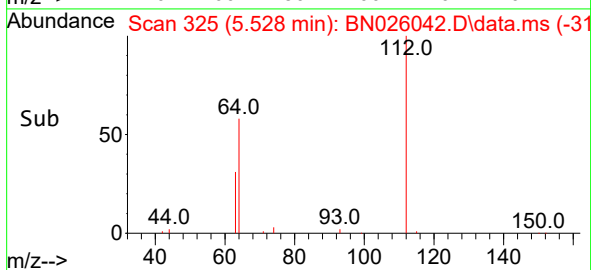
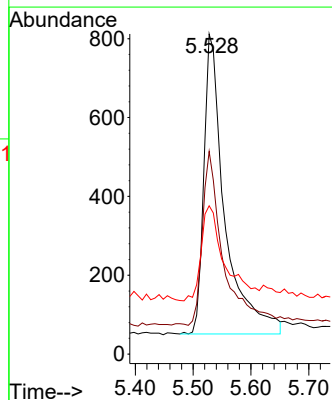
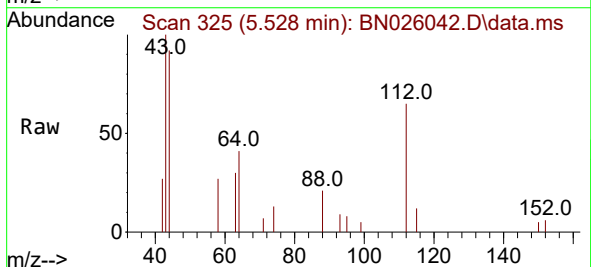
Instrument :
BNA_N
ClientSampleId :
TW-1

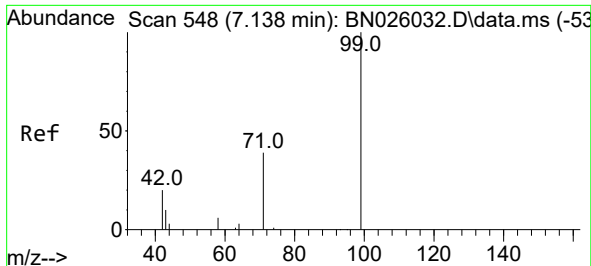
Tgt Ion:152 Resp: 5835
Ion Ratio Lower Upper
152 100
150 149.6 124.7 187.1
115 59.1 48.2 72.4



#4
2-Fluorophenol
Concen: 0.136 ng
RT: 5.528 min Scan# 325
Delta R.T. 0.000 min
Lab File: BN026042.D
Acq: 27 Jun 2023 18:11

Tgt Ion:112 Resp: 1919
Ion Ratio Lower Upper
112 100
64 57.8 45.8 68.6
63 35.8 27.4 41.2

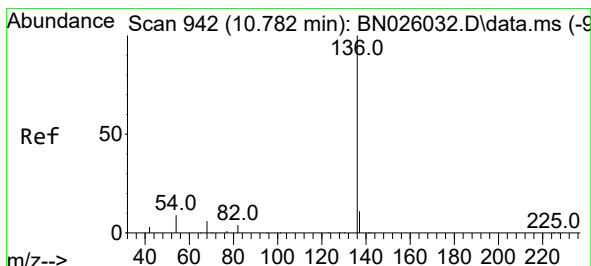
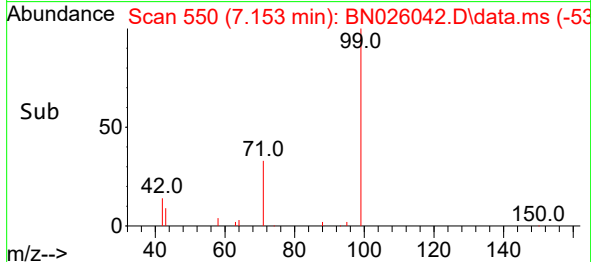
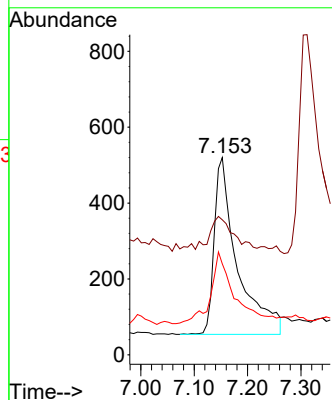
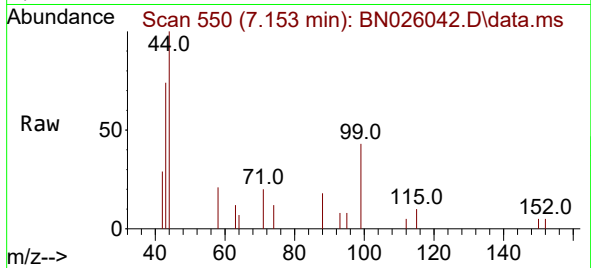




#5
Phenol-d6
Concen: 0.077 ng
RT: 7.153 min Scan# 51
Delta R.T. 0.014 min
Lab File: BN026042.D
Acq: 27 Jun 2023 18:11

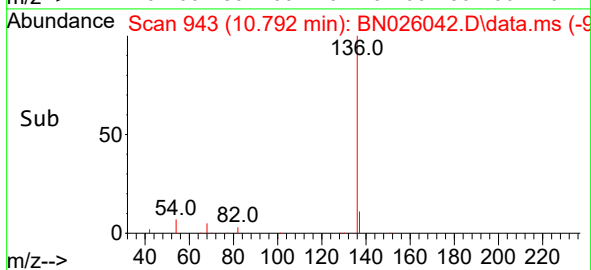
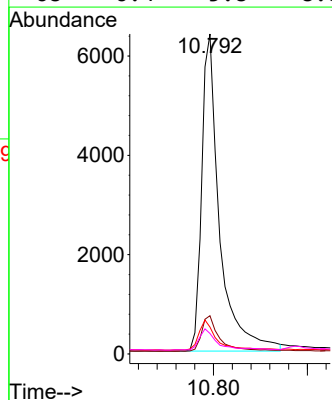
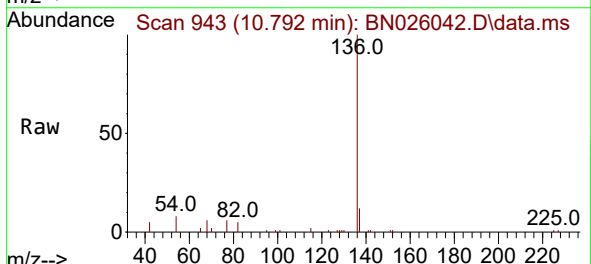
Instrument :
BNA_N
ClientSampleId :
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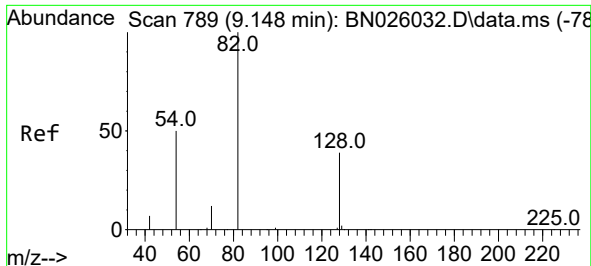
Tgt Ion: 99 Resp: 1398
Ion Ratio Lower Upper
99 100
42 18.7 18.4 27.6
71 41.8 30.6 46.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.792 min Scan# 943
Delta R.T. 0.011 min
Lab File: BN026042.D
Acq: 27 Jun 2023 18:11

Tgt Ion: 136 Resp: 16826
Ion Ratio Lower Upper
136 100
137 11.9 9.0 13.4
54 8.4 7.8 11.6
68 6.4 5.8 8.8

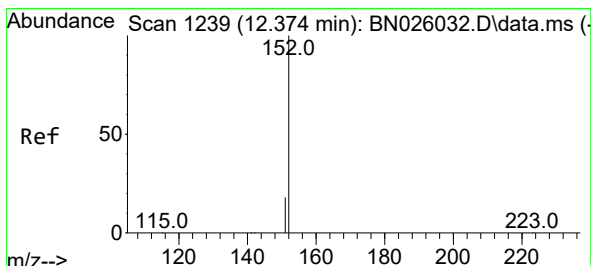
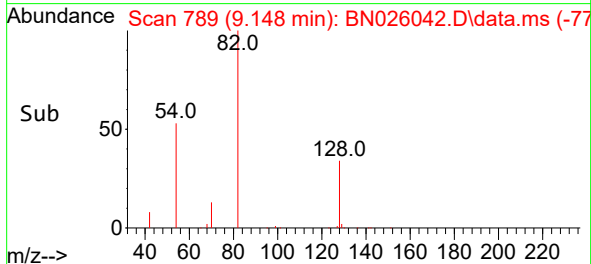
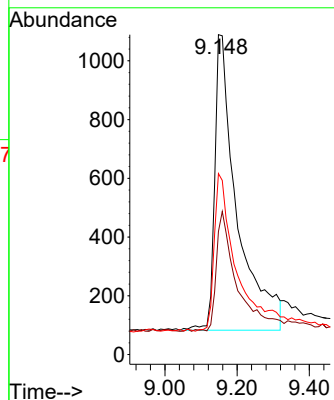
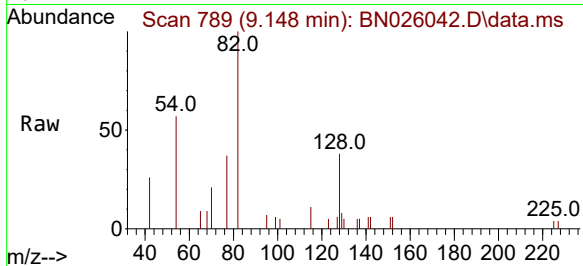




#8
Nitrobenzene-d5
Concen: 0.299 ng
RT: 9.148 min Scan# 789
Delta R.T. -0.000 min
Lab File: BN026042.D
Acq: 27 Jun 2023 18:11

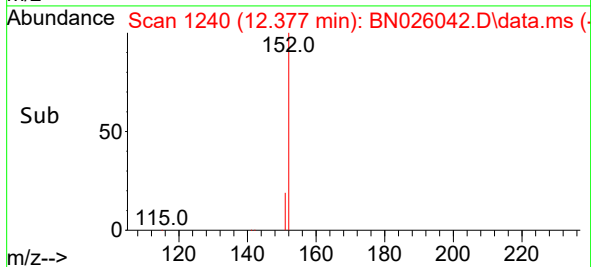
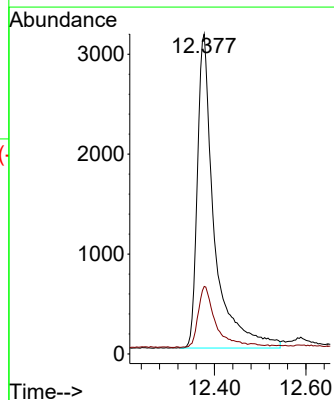
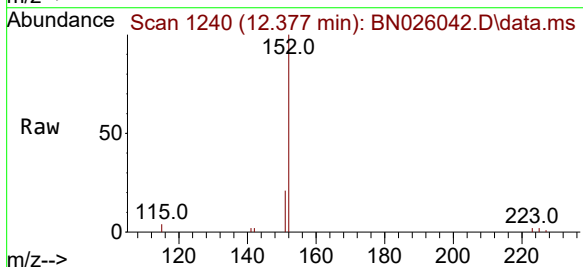
Instrument :
BNA_N
ClientSampleId :
TW-1

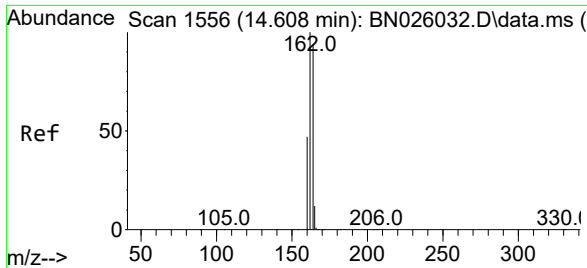
Tgt Ion: 82 Resp: 4304
Ion Ratio Lower Upper
82 100
128 38.5 33.4 50.2
54 56.6 41.7 62.5



#11
2-Methylnaphthalene-d10
Concen: 0.329 ng
RT: 12.377 min Scan# 1240
Delta R.T. 0.004 min
Lab File: BN026042.D
Acq: 27 Jun 2023 18:11

Tgt Ion: 152 Resp: 8085
Ion Ratio Lower Upper
152 100
151 19.4 16.2 24.2

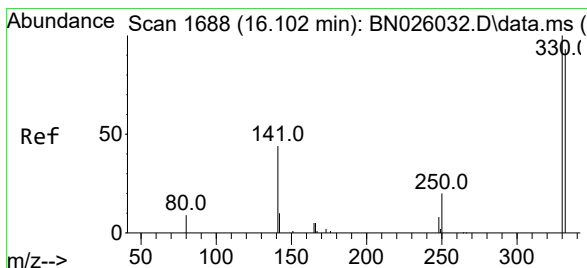
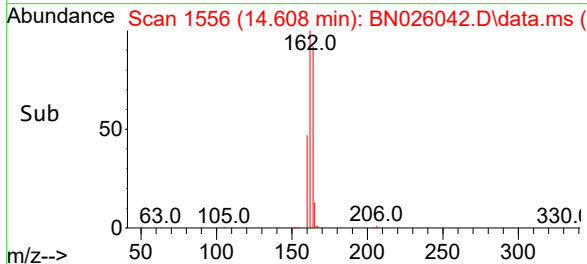
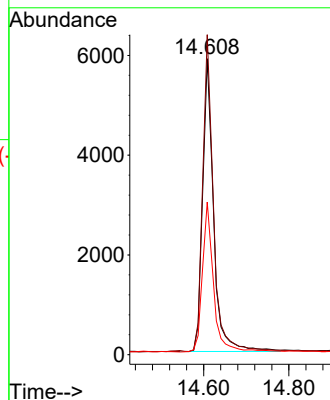
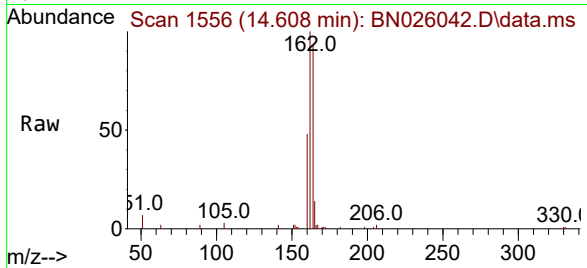




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.608 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BN026042.D
Acq: 27 Jun 2023 18:11

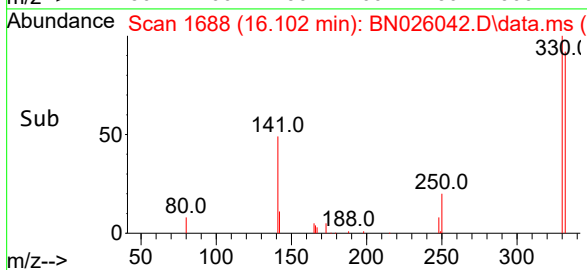
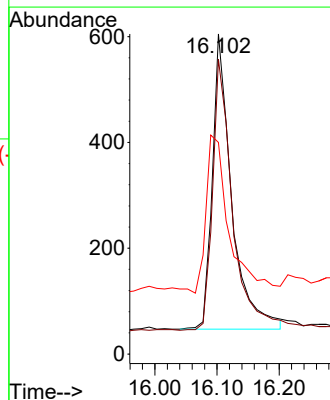
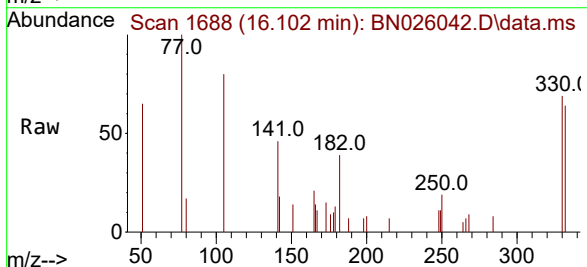
Instrument :
BNA_N
ClientSampleId :
TW-1

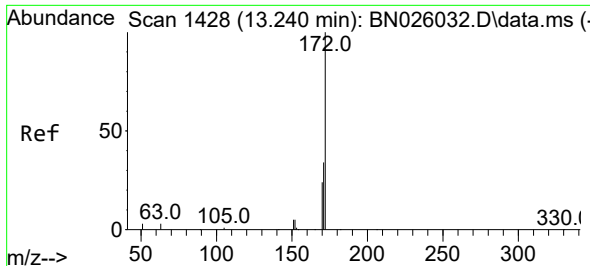
Tgt Ion:164 Resp: 10488
Ion Ratio Lower Upper
164 100
162 108.1 85.3 127.9
160 51.6 40.0 60.0



#14
2,4,6-Tribromophenol
Concen: 0.317 ng
RT: 16.102 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN026042.D
Acq: 27 Jun 2023 18:11

Tgt Ion:330 Resp: 1209
Ion Ratio Lower Upper
330 100
332 94.5 76.0 114.0
141 58.1 42.8 64.2

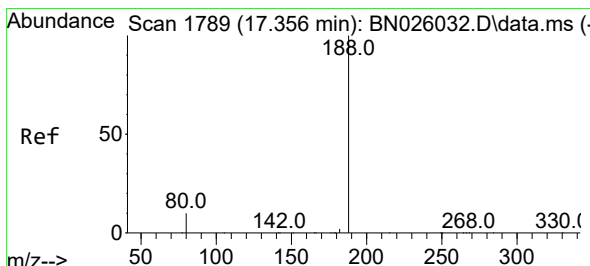
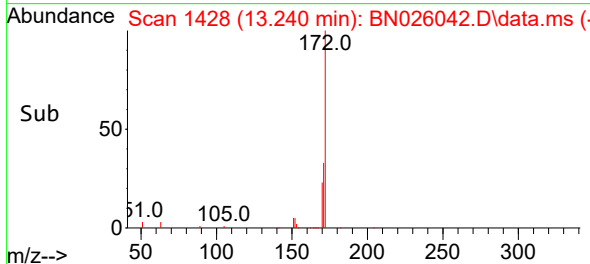
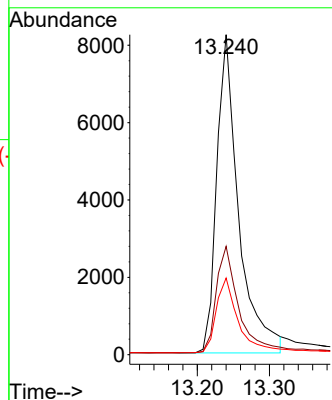
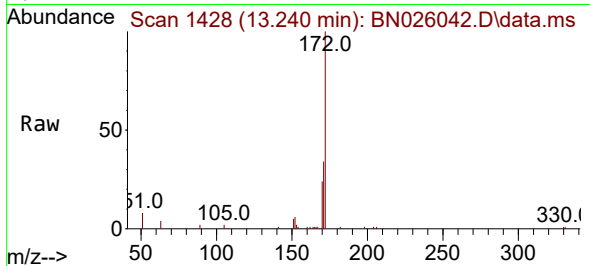




#15
2-Fluorobiphenyl
Concen: 0.428 ng
RT: 13.240 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BN026042.D
Acq: 27 Jun 2023 18:11

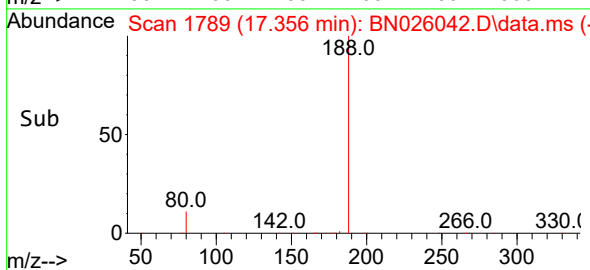
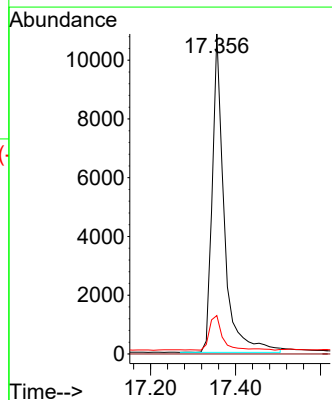
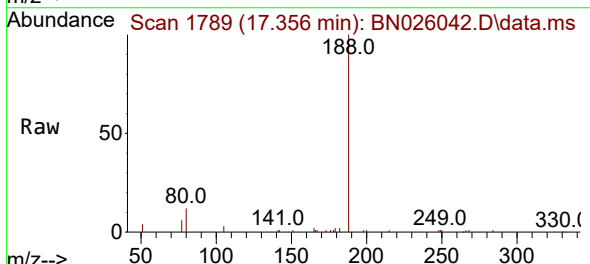
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ClientSampleId :
TW-1

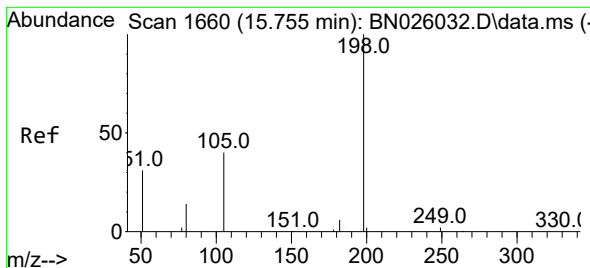
Tgt Ion:	172	Resp:	17325
Ion Ratio	Lower	Upper	
172	100		
171	33.8	27.8	41.8
170	23.9	19.3	28.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.356 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BN026042.D
Acq: 27 Jun 2023 18:11

Tgt Ion:	188	Resp:	21136
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.0	8.6	13.0

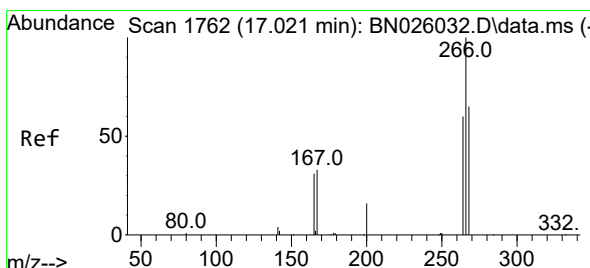
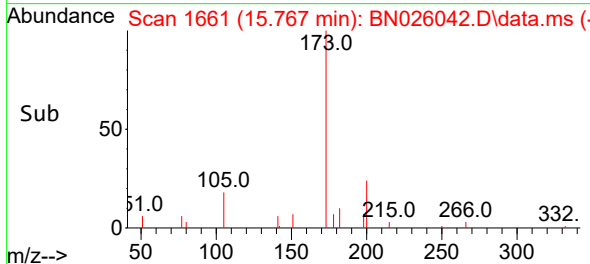
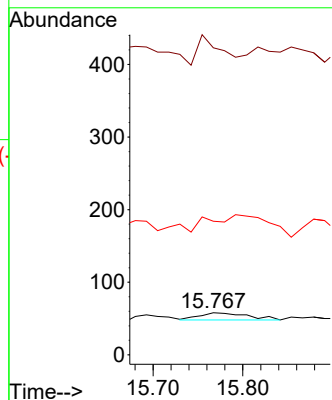
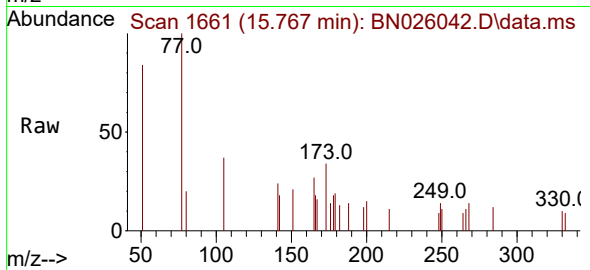




#20
4,6-Dinitro-2-methylphenol
Concen: 0.070 ng
RT: 15.767 min Scan# 1661
Delta R.T. 0.012 min
Lab File: BN026042.D
Acq: 27 Jun 2023 18:11

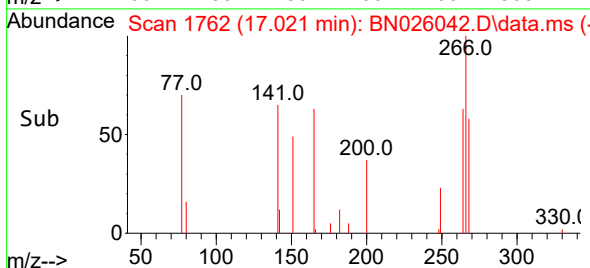
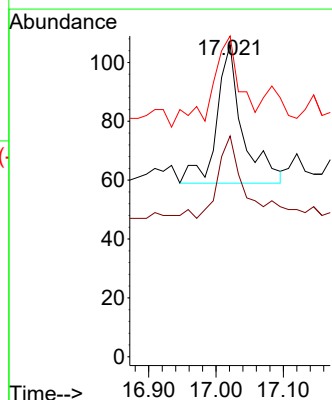
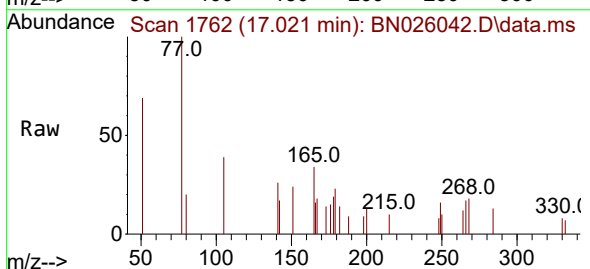
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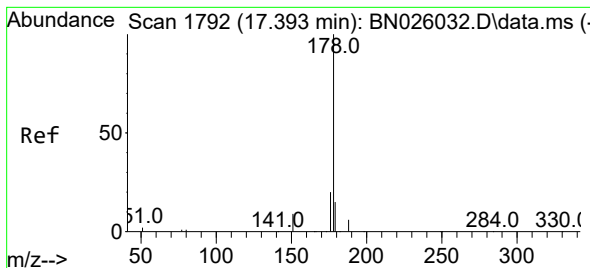
Tgt Ion:198 Resp: 37
Ion Ratio Lower Upper
198 100
51 729.3 85.8 128.8#
105 317.2 48.2 72.2#



#24
Pentachlorophenol
Concen: 0.022 ng
RT: 17.021 min Scan# 1762
Delta R.T. 0.000 min
Lab File: BN026042.D
Acq: 27 Jun 2023 18:11

Tgt Ion:266 Resp: 125
Ion Ratio Lower Upper
266 100
264 59.2 49.3 73.9
268 46.4 48.3 72.5#





#25

Phenanthrene

Concen: 0.046 ng

RT: 17.393 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN026042.D

Acq: 27 Jun 2023 18:11

Instrument :

BNA_N

ClientSampleId :

TW-1

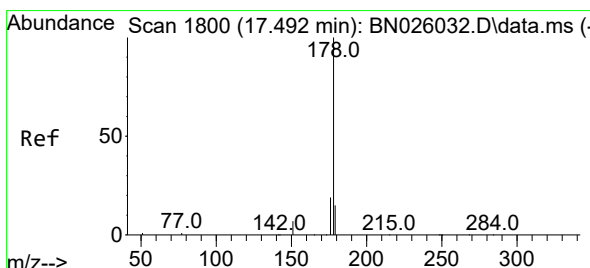
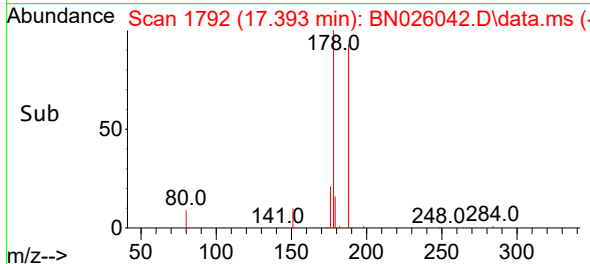
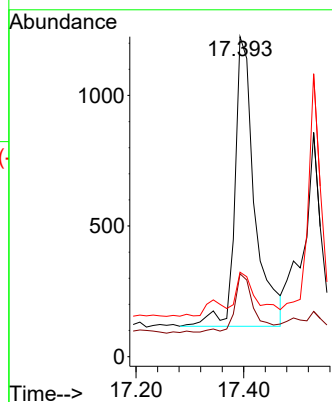
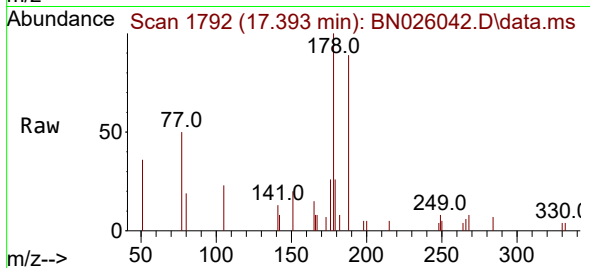
Tgt Ion:178 Resp: 2838

Ion Ratio Lower Upper

178 100

176 20.8 15.6 23.4

179 13.0 12.3 18.5



#26

Anthracene

Concen: 0.026 ng

RT: 17.530 min Scan# 1803

Delta R.T. 0.037 min

Lab File: BN026042.D

Acq: 27 Jun 2023 18:11

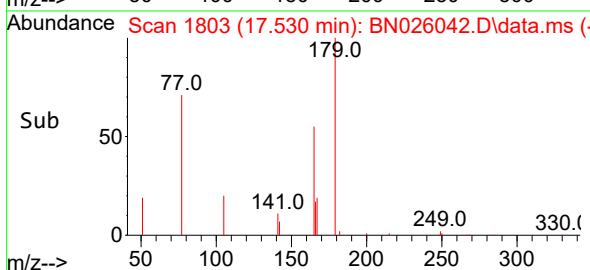
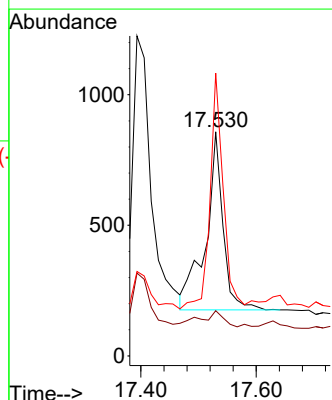
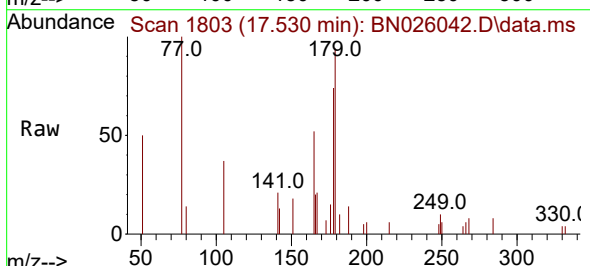
Tgt Ion:178 Resp: 1424

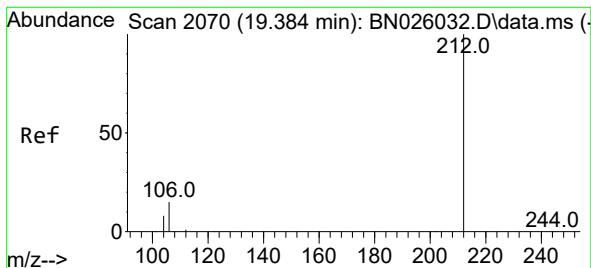
Ion Ratio Lower Upper

178 100

176 12.4 15.0 22.4#

179 103.9 12.4 18.6#





#27

Fluoranthene-d10

Concen: 0.349 ng

RT: 19.384 min Scan# 2070

Delta R.T. -0.000 min

Lab File: BN026042.D

Acq: 27 Jun 2023 18:11

Instrument :

BNA_N

ClientSampleId :

TW-1

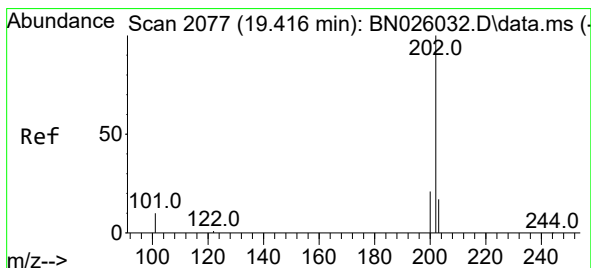
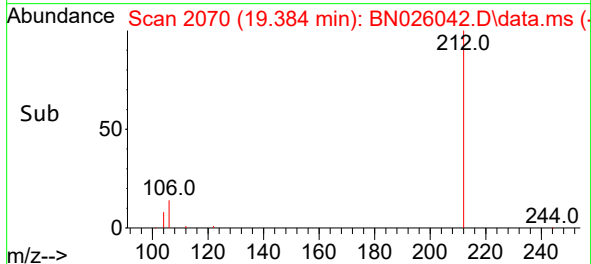
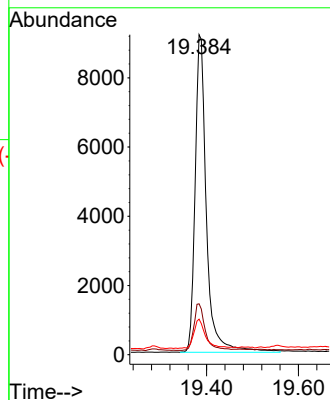
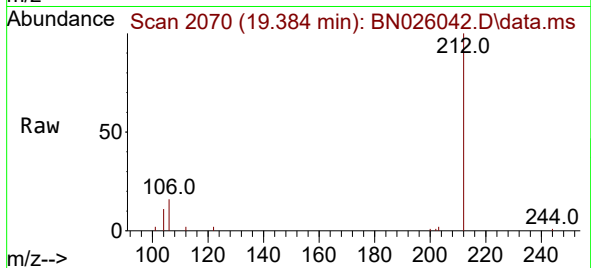
Tgt Ion:212 Resp: 15608

Ion Ratio Lower Upper

212 100

106 14.7 11.6 17.4

104 9.7 7.2 10.8



#28

Fluoranthene

Concen: 0.049 ng

RT: 19.416 min Scan# 2077

Delta R.T. -0.000 min

Lab File: BN026042.D

Acq: 27 Jun 2023 18:11

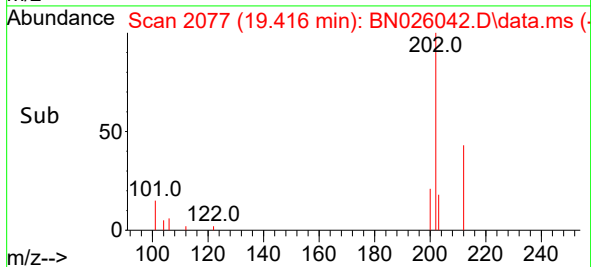
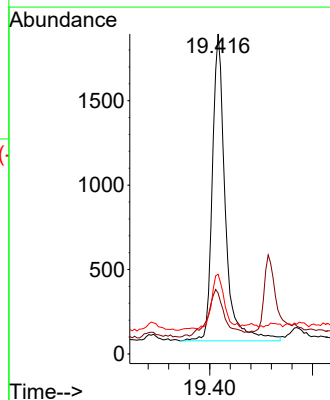
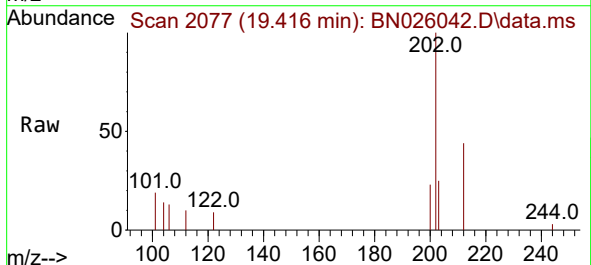
Tgt Ion:202 Resp: 3158

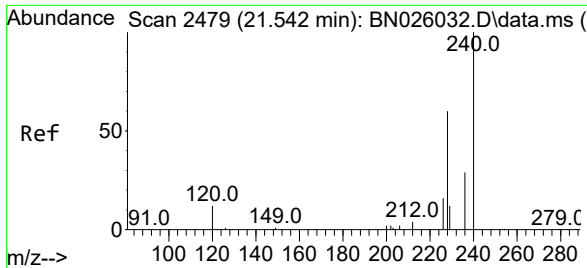
Ion Ratio Lower Upper

202 100

101 20.8 8.3 12.5#

203 17.3 13.5 20.3

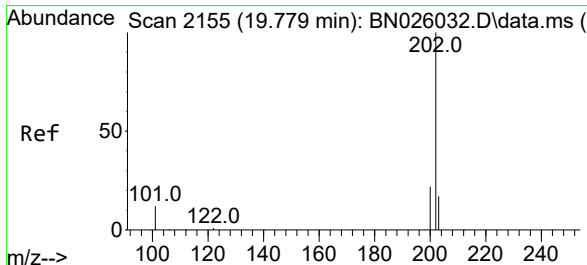
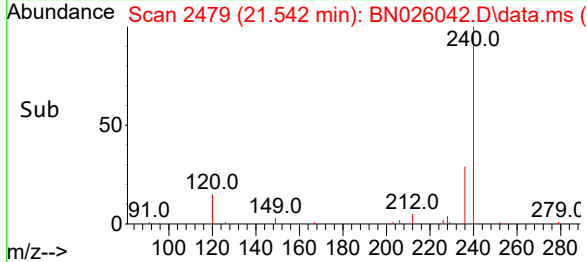
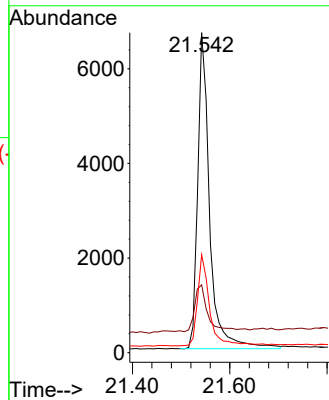
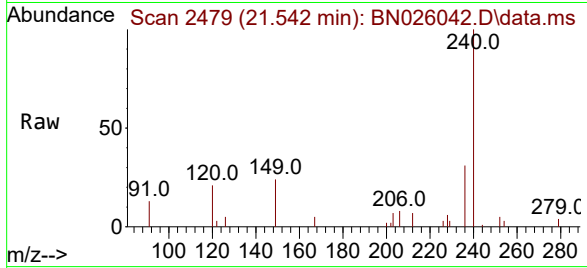




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.542 min Scan# 2479
Delta R.T. -0.000 min
Lab File: BN026042.D
Acq: 27 Jun 2023 18:11

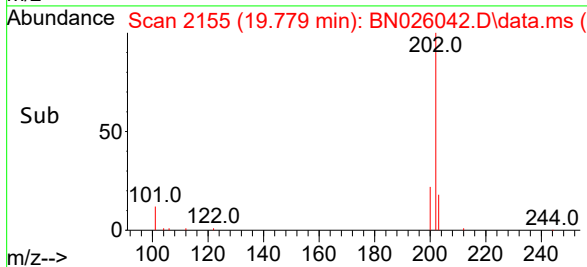
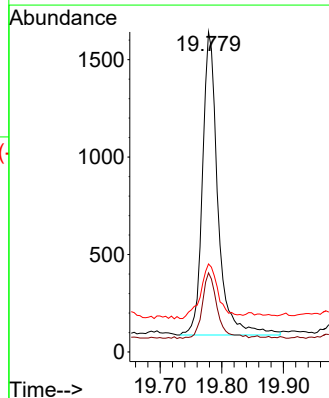
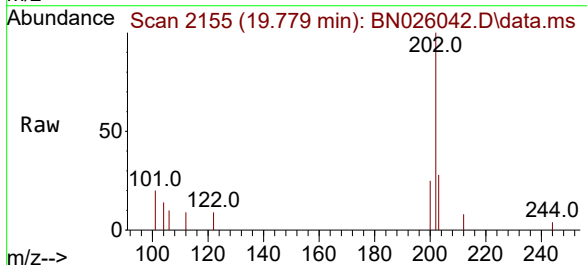
Instrument :
BNA_N
ClientSampleId :
TW-1

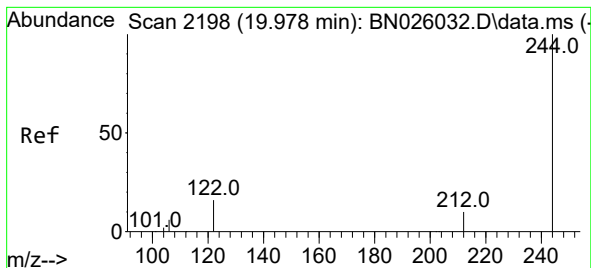
Tgt Ion:	240	Resp:	11351
Ion Ratio	Lower	Upper	
240	100		
120	21.2	14.6	22.0
236	30.6	24.2	36.2



#30
Pyrene
Concen: 0.043 ng
RT: 19.779 min Scan# 2155
Delta R.T. -0.000 min
Lab File: BN026042.D
Acq: 27 Jun 2023 18:11

Tgt Ion:	202	Resp:	2694
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.0	25.4
203	20.8	14.2	21.4





#31

Terphenyl-d14

Concen: 0.428 ng

RT: 19.974 min Scan# 2198

Delta R.T. -0.005 min

Lab File: BN026042.D

Acq: 27 Jun 2023 18:11

Instrument :

BNA_N

ClientSampleId :

TW-1

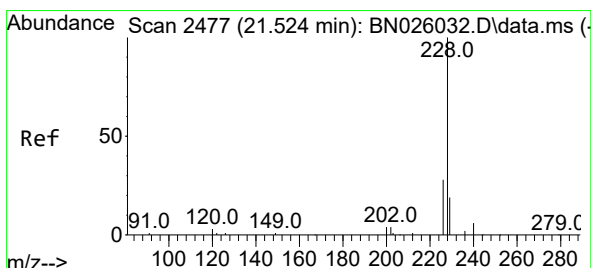
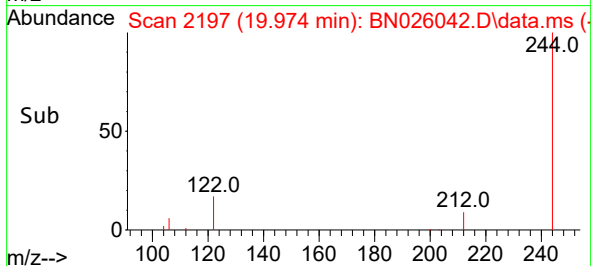
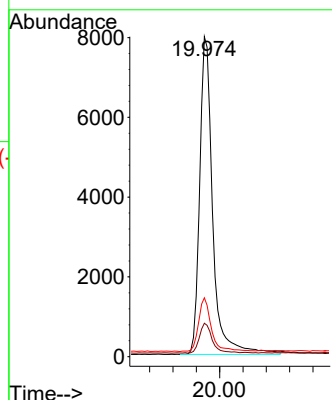
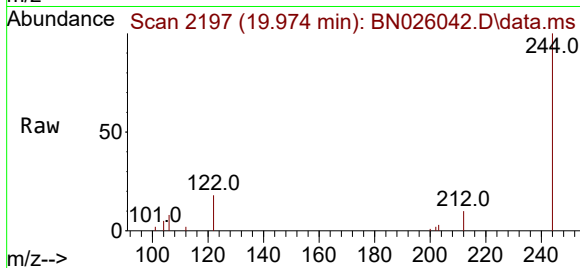
Tgt Ion:244 Resp: 12423

Ion Ratio Lower Upper

244 100

212 10.4 8.7 13.1

122 18.4 13.7 20.5



#32

Benzo(a)anthracene

Concen: 0.020 ng

RT: 21.533 min Scan# 2478

Delta R.T. 0.009 min

Lab File: BN026042.D

Acq: 27 Jun 2023 18:11

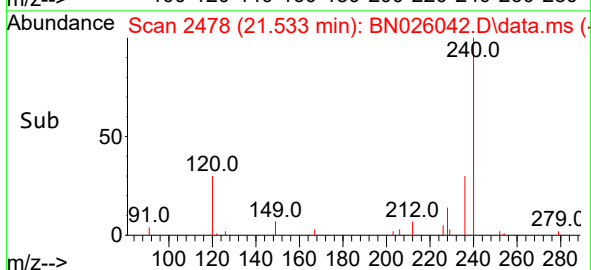
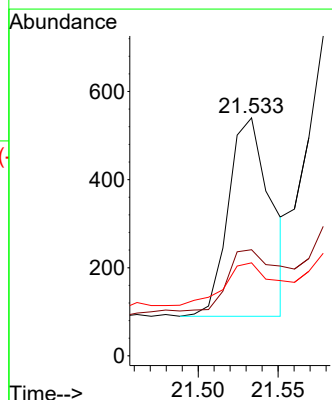
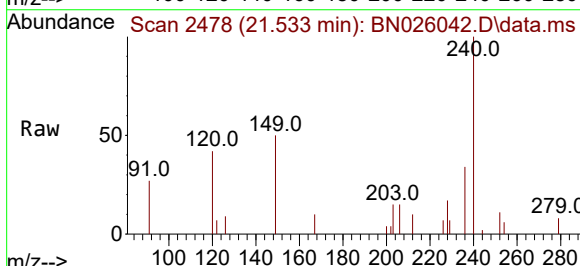
Tgt Ion:228 Resp: 834

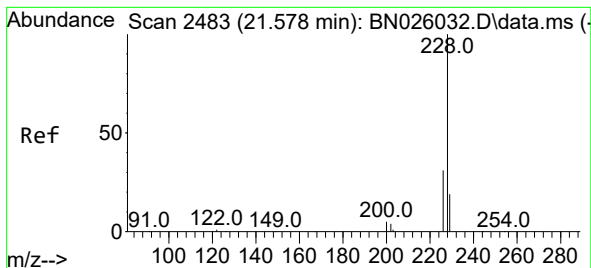
Ion Ratio Lower Upper

228 100

226 44.6 23.0 34.6#

229 39.1 15.9 23.9#





#33

Chrysene

Concen: 0.025 ng

RT: 21.578 min Scan# 2483

Delta R.T. -0.000 min

Lab File: BN026042.D

Acq: 27 Jun 2023 18:11

Instrument :

BNA_N

ClientSampleId :

TW-1

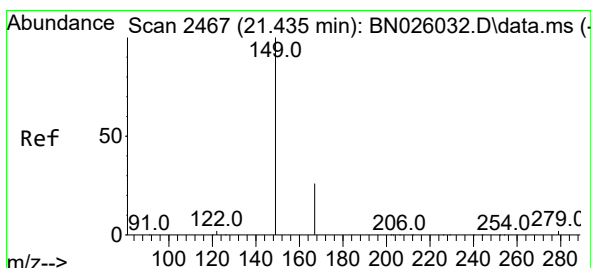
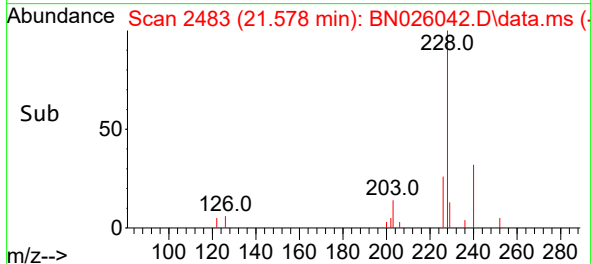
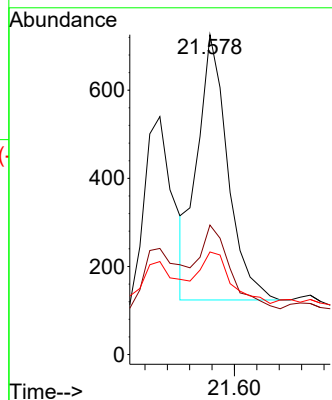
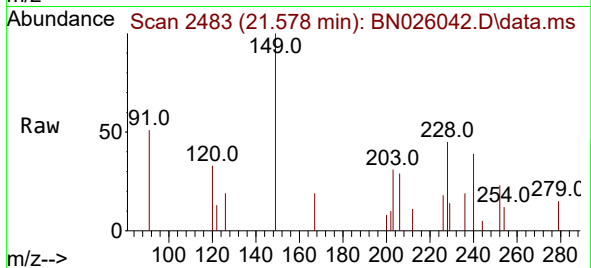
Tgt Ion:228 Resp: 1135

Ion Ratio Lower Upper

228 100

226 40.5 24.8 37.2#

229 32.1 15.6 23.4#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.070 ng

RT: 21.435 min Scan# 2467

Delta R.T. -0.000 min

Lab File: BN026042.D

Acq: 27 Jun 2023 18:11

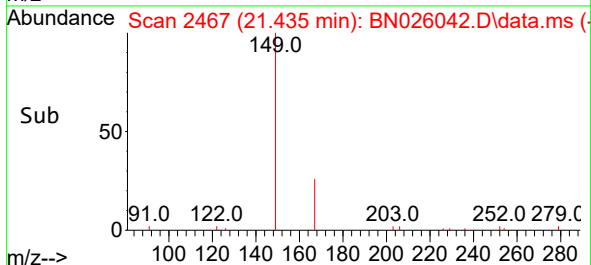
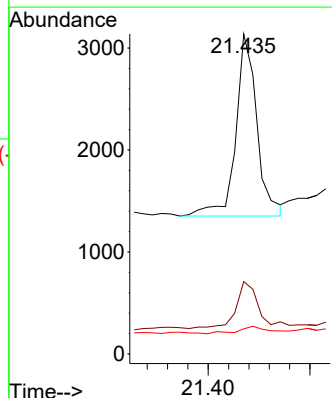
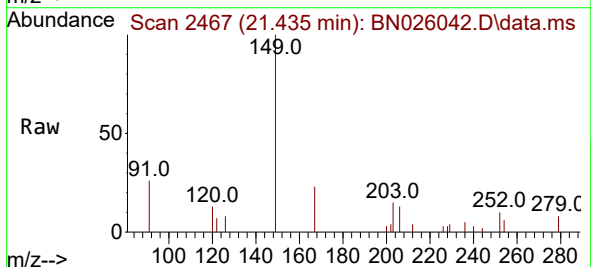
Tgt Ion:149 Resp: 2569

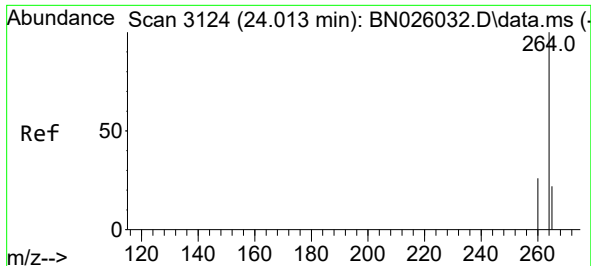
Ion Ratio Lower Upper

149 100

167 28.8 20.2 30.4

279 6.3 2.4 3.6#

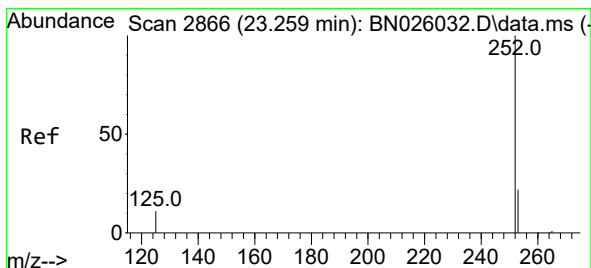
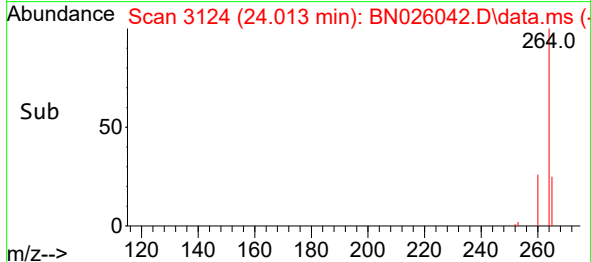
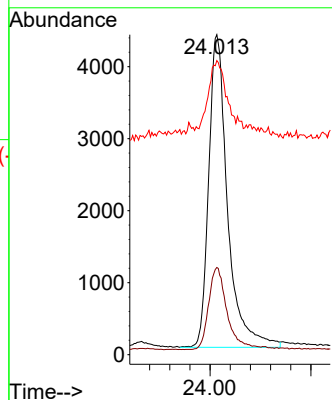
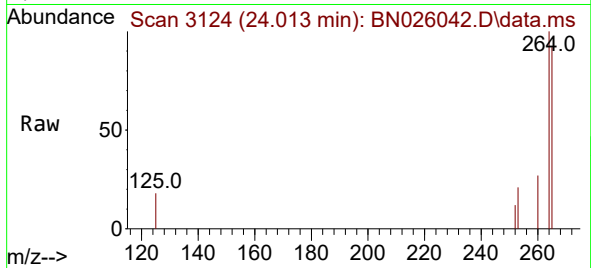




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.013 min Scan# 3124
 Delta R.T. -0.000 min
 Lab File: BN026042.D
 Acq: 27 Jun 2023 18:11

Instrument :
 BNA_N
 ClientSampleId :
 TW-1

Tgt Ion:264 Resp: 11298
 Ion Ratio Lower Upper
 264 100
 260 27.3 21.9 32.9
 265 91.9 80.3 120.5



#37
 Benzo(b)fluoranthene
 Concen: 0.035 ng
 RT: 23.259 min Scan# 2866
 Delta R.T. -0.000 min
 Lab File: BN026042.D
 Acq: 27 Jun 2023 18:11

Tgt Ion:252 Resp: 1445
 Ion Ratio Lower Upper
 252 100
 253 92.7 24.1 36.1#
 125 79.1 15.4 23.0#

