

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062723\
 Data File : BN026046.D
 Acq On : 27 Jun 2023 20:37
 Operator : MA/JU
 Sample : 03376-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP-01

Quant Time: Jun 28 05:51:13 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)

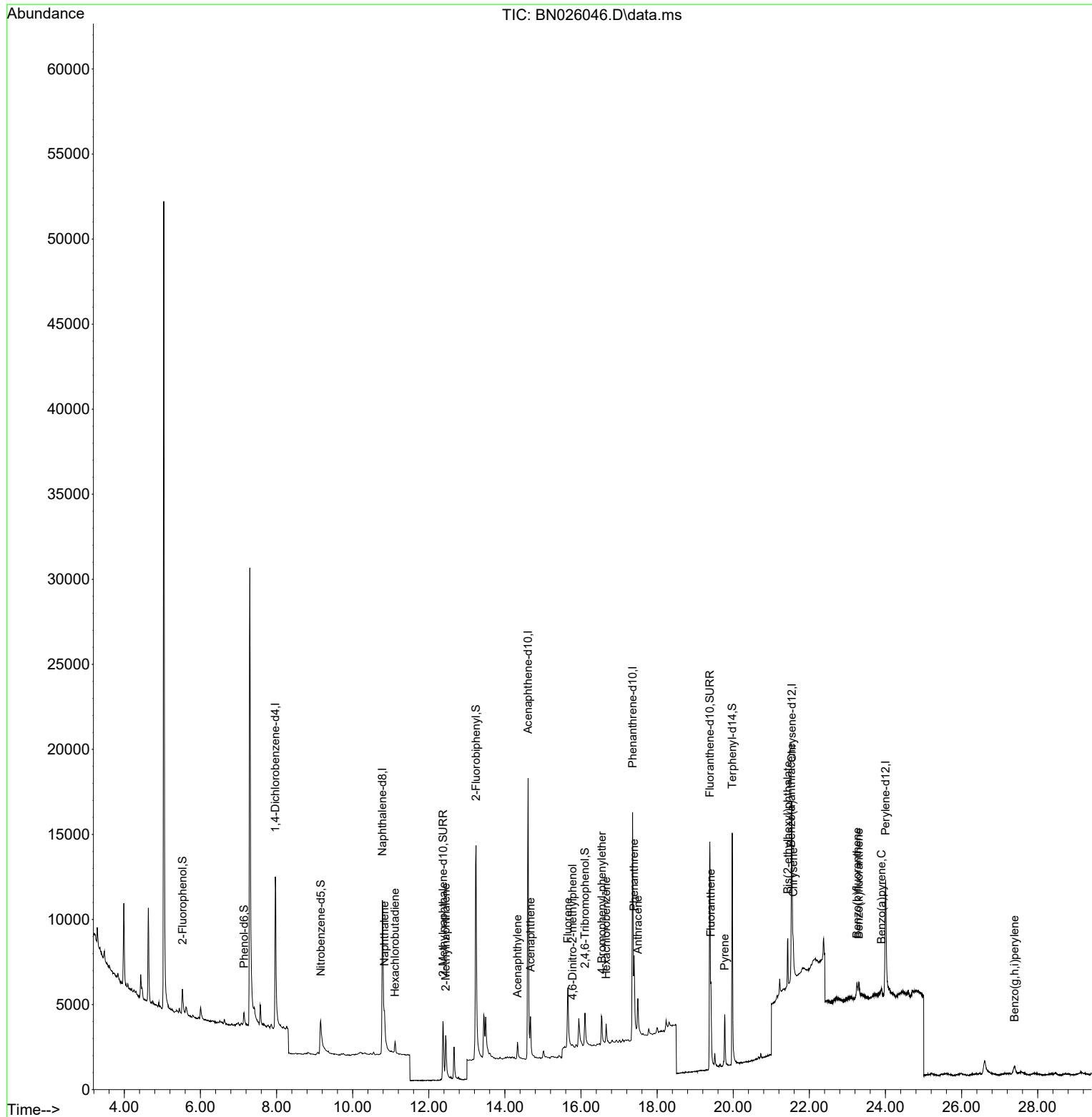
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	5844	0.400	ng	0.00
7) Naphthalene-d8	10.782	136	17407	0.400	ng	0.00
13) Acenaphthene-d10	14.609	164	11031	0.400	ng	0.00
19) Phenanthrene-d10	17.356	188	22986	0.400	ng	0.00
29) Chrysene-d12	21.542	240	12659	0.400	ng	0.00
35) Perylene-d12	24.005	264	11813	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.528	112	1750	0.123	ng	0.00
5) Phenol-d6	7.146	99	1223	0.068	ng	0.00
8) Nitrobenzene-d5	9.159	82	3632	0.244	ng	0.01
11) 2-Methylnaphthalene-d10	12.374	152	7143	0.281	ng	0.00
14) 2,4,6-Tribromophenol	16.102	330	1339	0.334	ng	0.00
15) 2-Fluorobiphenyl	13.240	172	15756	0.370	ng	0.00
27) Fluoranthene-d10	19.384	212	18430	0.378	ng	0.00
31) Terphenyl-d14	19.974	244	15781	0.487	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.835	128	3300	0.070	ng	# 90
10) Hexachlorobutadiene	11.113	225	650	0.071	ng	# 99
12) 2-Methylnaphthalene	12.445	142	2566	0.077	ng	97
16) Acenaphthylene	14.331	152	1452	0.028	ng	95
17) Acenaphthene	14.673	154	1166	0.035	ng	96
18) Fluorene	15.656	166	2659	0.061	ng	100
20) 4,6-Dinitro-2-methylph...	15.780	198	25	0.065	ng	# 1
21) 4-Bromophenyl-phenylether	16.549	248	949	0.072	ng	# 92
22) Hexachlorobenzene	16.661	284	808	0.061	ng	95
25) Phenanthrene	17.393	178	5254	0.078	ng	99
26) Anthracene	17.493	178	3623	0.060	ng	95
28) Fluoranthene	19.412	202	4300	0.061	ng	# 94
30) Pyrene	19.774	202	3256	0.046	ng	99
32) Benzo(a)anthracene	21.524	228	1446	0.032	ng	# 83
33) Chrysene	21.578	228	1674	0.033	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.435	149	3355	0.083	ng	99
37) Benzo(b)fluoranthene	23.250	252	1521	0.035	ng	# 1
38) Benzo(k)fluoranthene	23.303	252	1260	0.027	ng	# 1
39) Benzo(a)pyrene	23.893	252	1000	0.024	ng	# 1
41) Benzo(g,h,i)perylene	27.387	276	1433	0.032	ng	# 55

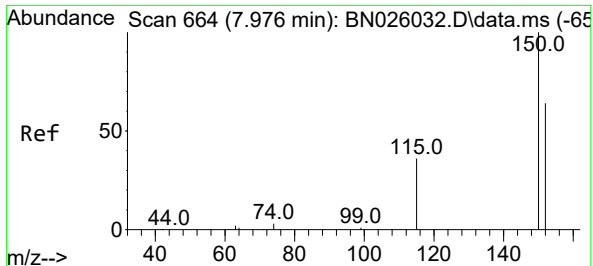
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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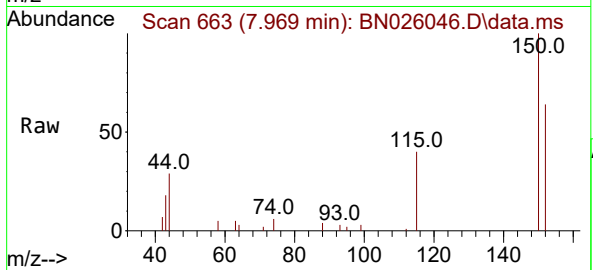
Quant Time: Jun 28 05:51:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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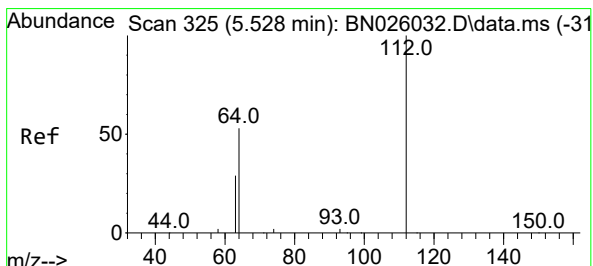
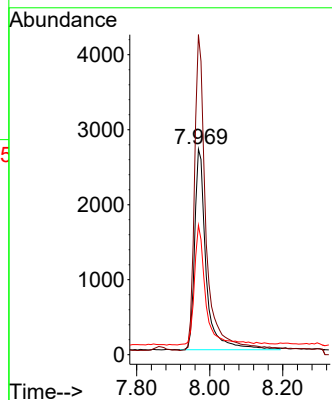
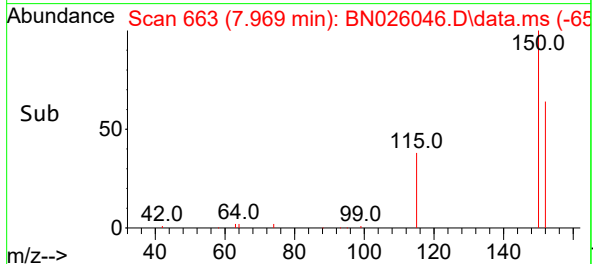


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.969 min Scan# 611
Delta R.T. -0.007 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

Instrument :
BNA_N
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DUP-01

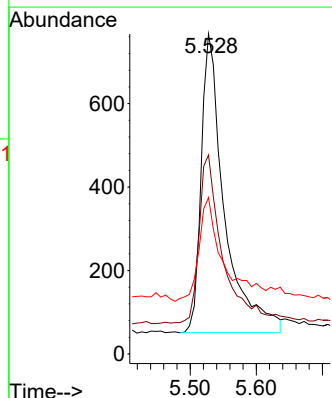
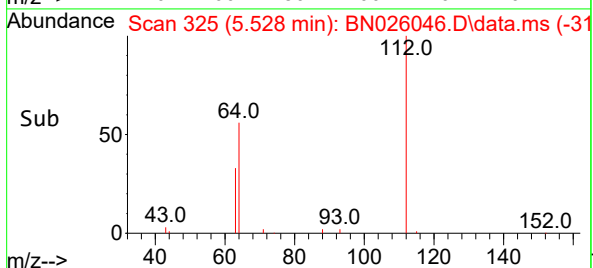
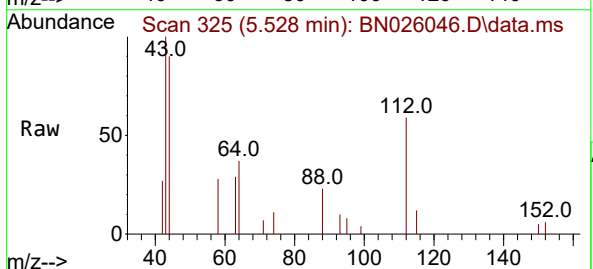


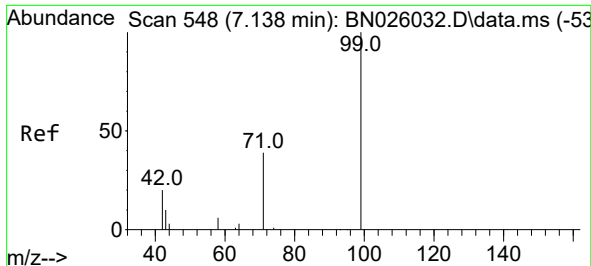
Tgt Ion:152 Resp: 5844
Ion Ratio Lower Upper
152 100
150 155.6 124.7 187.1
115 62.9 48.2 72.4



#4
2-Fluorophenol
Concen: 0.123 ng
RT: 5.528 min Scan# 325
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

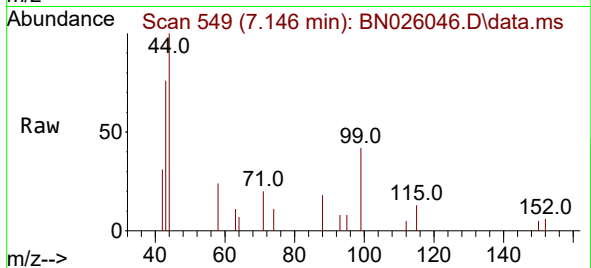
Tgt Ion:112 Resp: 1750
Ion Ratio Lower Upper
112 100
64 57.4 45.8 68.6
63 36.7 27.4 41.2



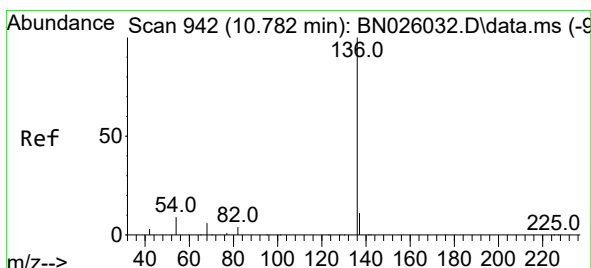
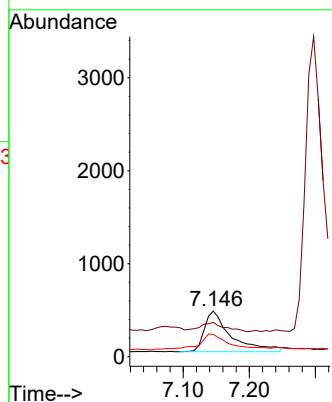
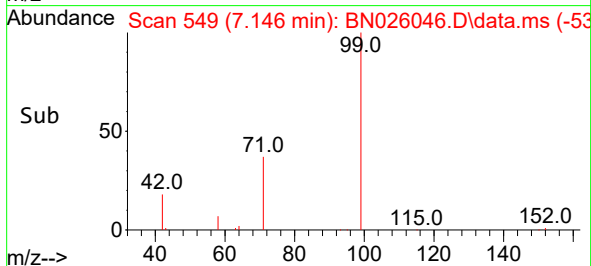


#5
Phenol-d6
Concen: 0.068 ng
RT: 7.146 min Scan# 549
Delta R.T. 0.007 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

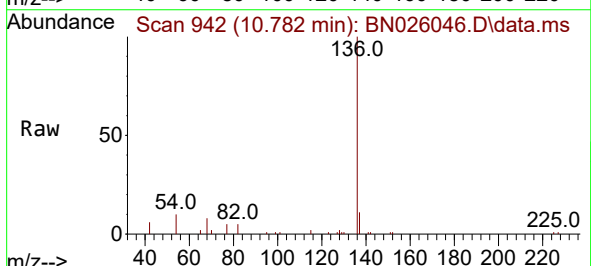
Instrument :
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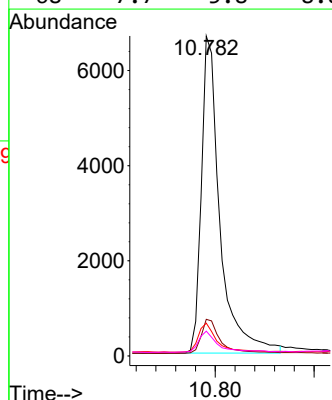
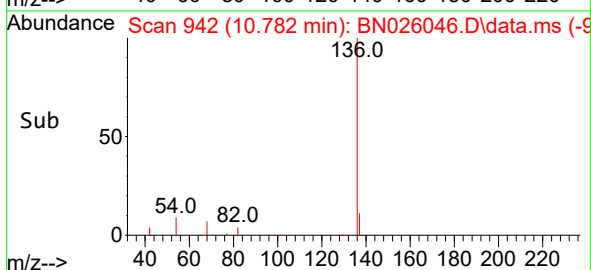
Tgt Ion	Ratio	Lower	Upper
99	100		
42	20.5	18.4	27.6
71	45.1	30.6	46.0

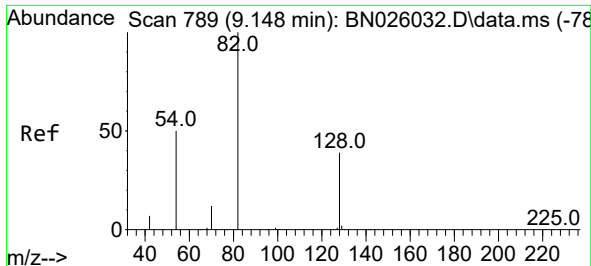


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.782 min Scan# 942
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37



Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	10.3	7.8	11.6
68	7.7	5.8	8.8

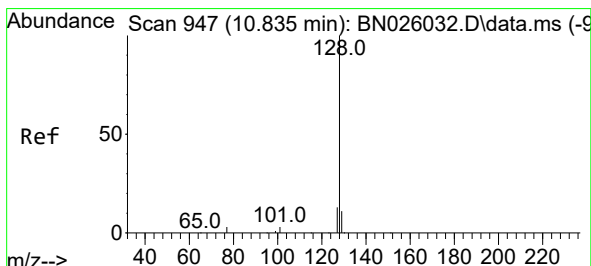
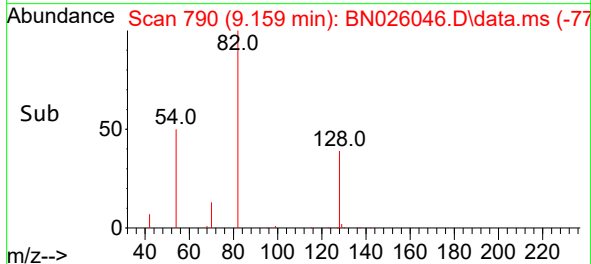
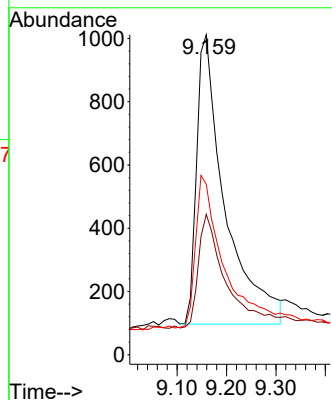
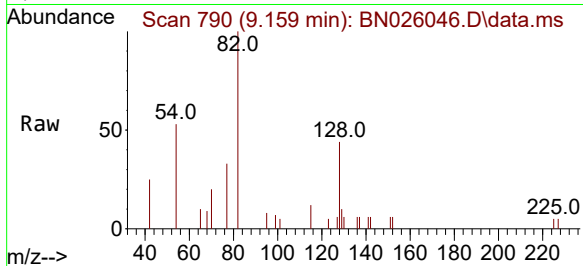




#8
Nitrobenzene-d5
Concen: 0.244 ng
RT: 9.159 min Scan# 789
Delta R.T. 0.011 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

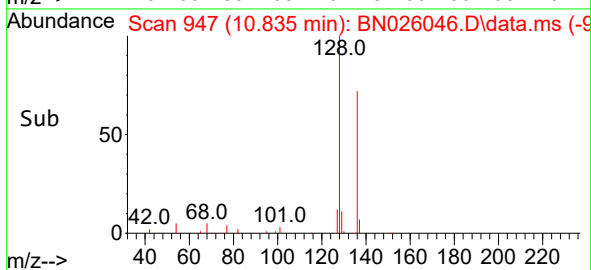
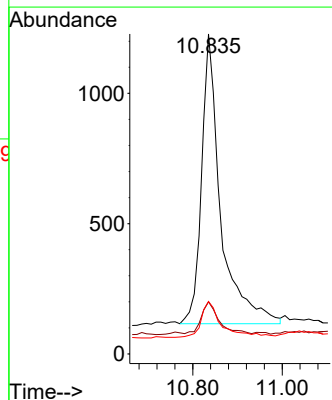
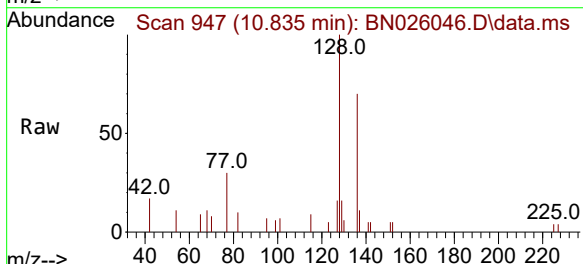
Instrument :
BNA_N
ClientSampleId :
DUP-01

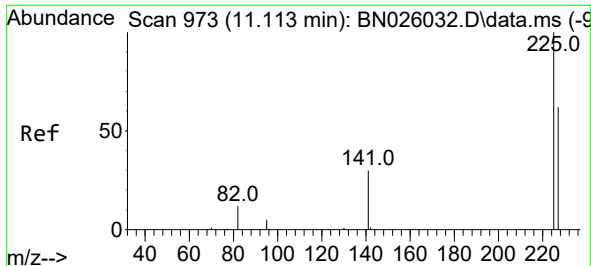
Tgt Ion: 82 Resp: 3632
Ion Ratio Lower Upper
82 100
128 43.9 33.4 50.2
54 53.3 41.7 62.5



#9
Naphthalene
Concen: 0.070 ng
RT: 10.835 min Scan# 947
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

Tgt Ion: 128 Resp: 3300
Ion Ratio Lower Upper
128 100
129 16.3 9.1 13.7#
127 16.4 10.9 16.3#

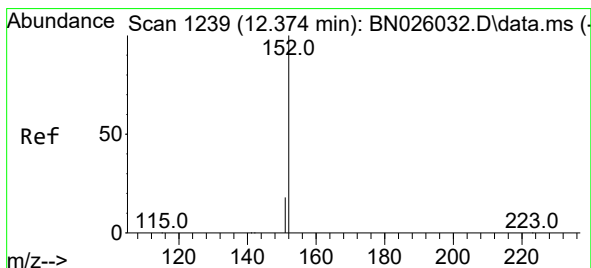
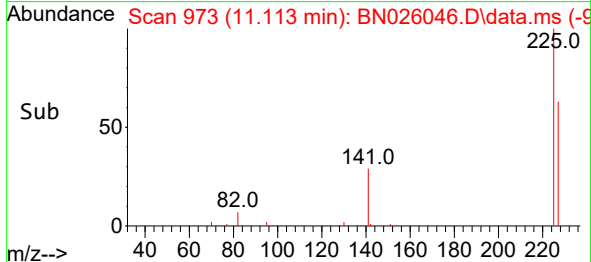
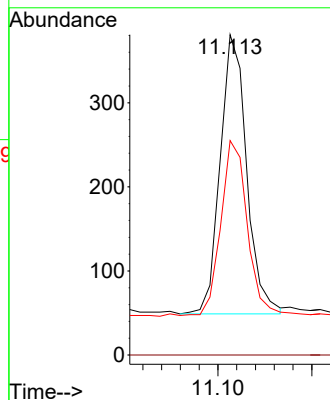
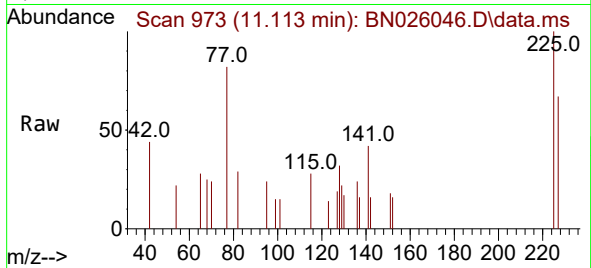




#10
Hexachlorobutadiene
Concen: 0.071 ng
RT: 11.113 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

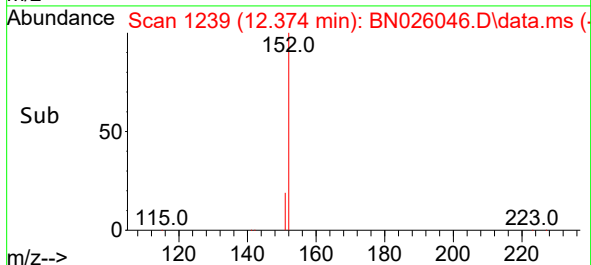
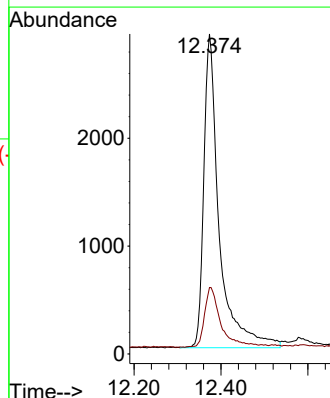
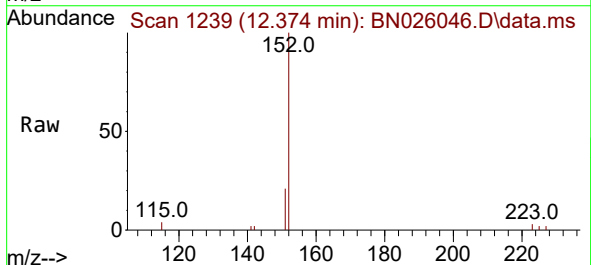
Instrument :
BNA_N
ClientSampleId :
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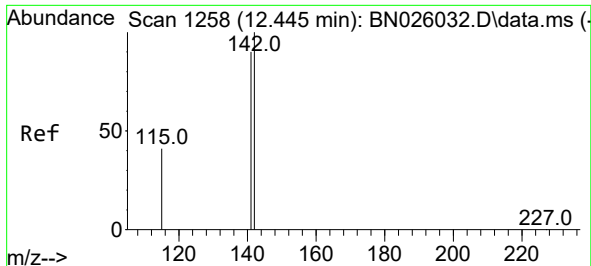
Tgt Ion:225 Resp: 650
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.3 50.3 75.5



#11
2-Methylnaphthalene-d10
Concen: 0.281 ng
RT: 12.374 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

Tgt Ion:152 Resp: 7143
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2

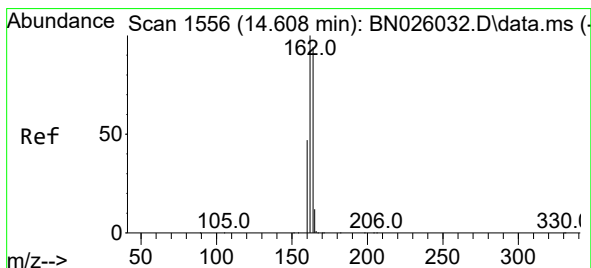
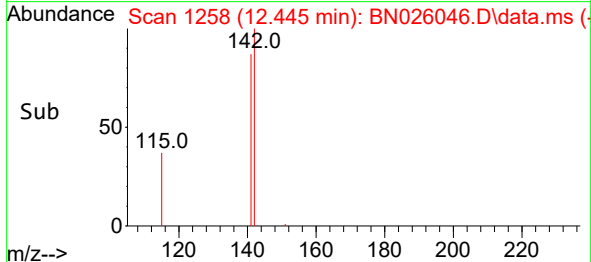
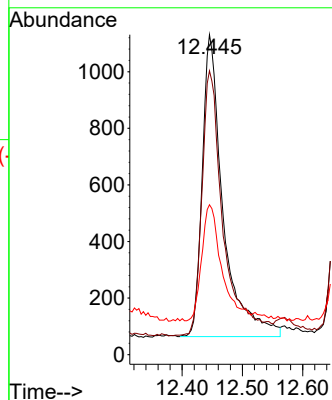
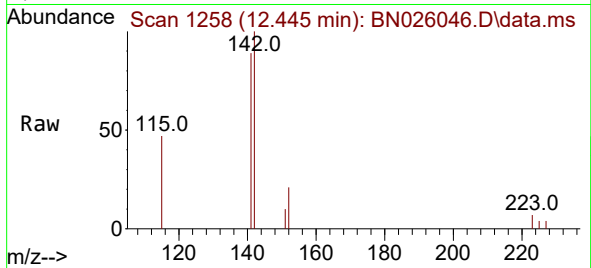




#12
2-Methylnaphthalene
Concen: 0.077 ng
RT: 12.445 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

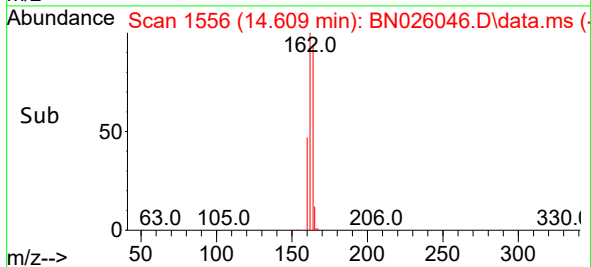
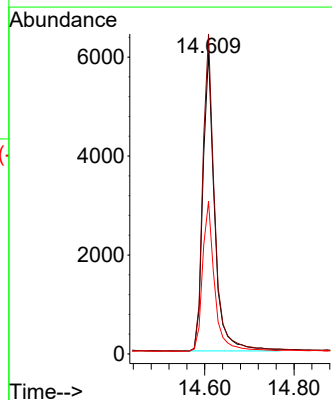
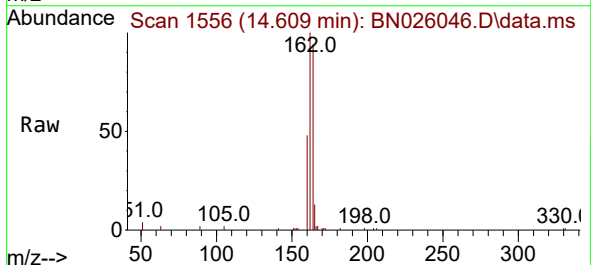
Instrument :
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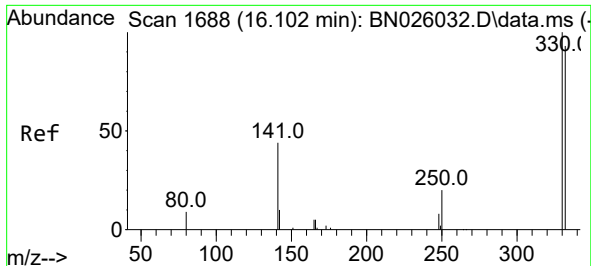
Tgt Ion:142 Resp: 2566
Ion Ratio Lower Upper
142 100
141 88.7 71.7 107.5
115 46.9 33.4 50.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.609 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

Tgt Ion:164 Resp: 11031
Ion Ratio Lower Upper
164 100
162 106.2 85.3 127.9
160 50.6 40.0 60.0

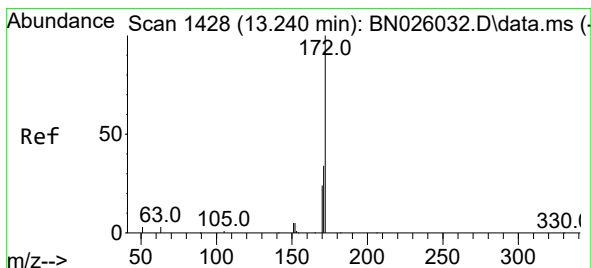
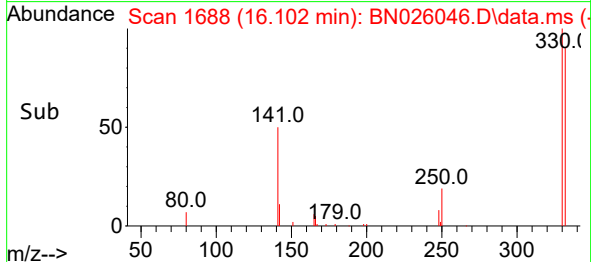
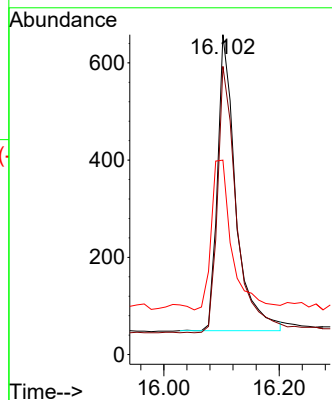
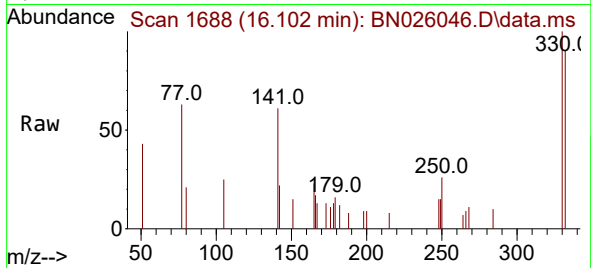




#14
2,4,6-Tribromophenol
Concen: 0.334 ng
RT: 16.102 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

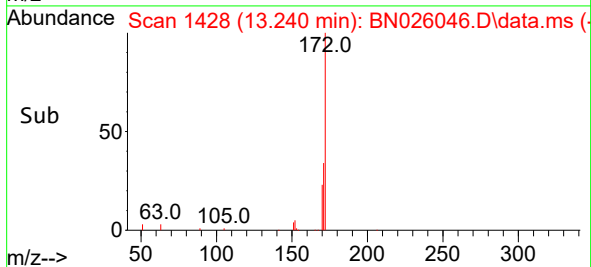
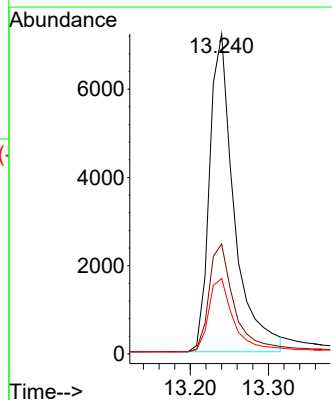
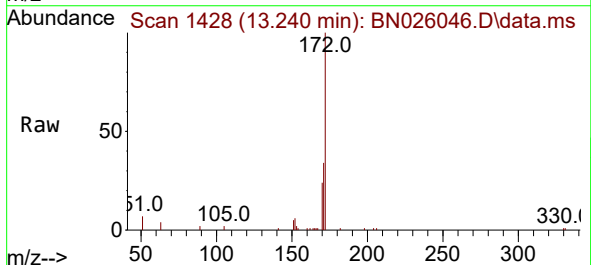
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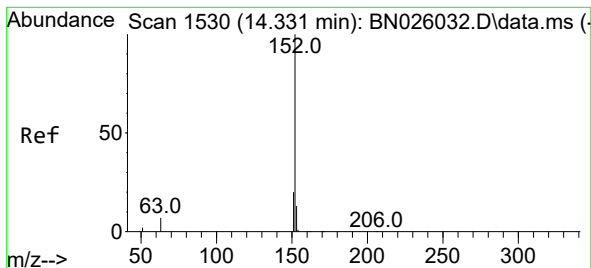
Tgt Ion: 330 Resp: 1339
Ion Ratio Lower Upper
330 100
332 93.9 76.0 114.0
141 57.2 42.8 64.2



#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 13.240 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

Tgt Ion: 172 Resp: 15756
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.8
170 23.6 19.3 28.9





#16

Acenaphthylene

Concen: 0.028 ng

RT: 14.331 min Scan# 1530

Delta R.T. 0.000 min

Lab File: BN026046.D

Acq: 27 Jun 2023 20:37

Instrument :

BNA_N

ClientSampleId :

DUP-01

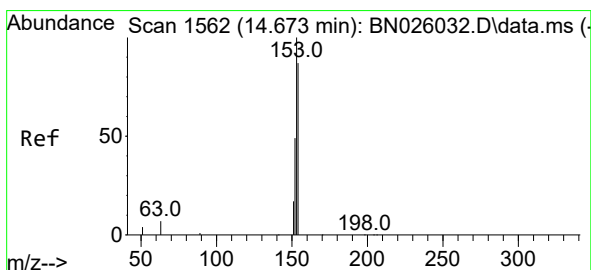
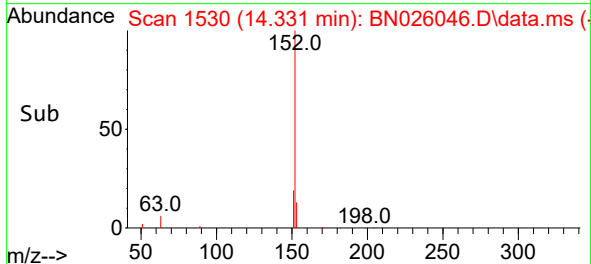
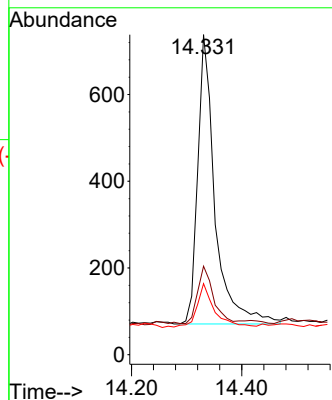
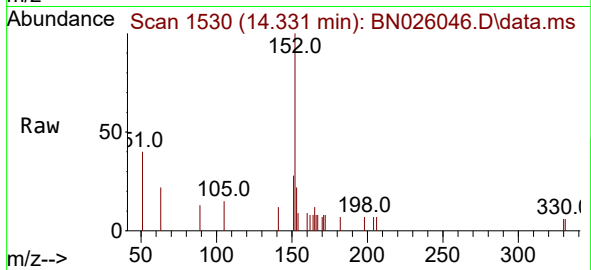
Tgt Ion:152 Resp: 1452

Ion Ratio Lower Upper

152 100

151 18.0 15.9 23.9

153 15.4 10.6 15.8



#17

Acenaphthene

Concen: 0.035 ng

RT: 14.673 min Scan# 1562

Delta R.T. -0.000 min

Lab File: BN026046.D

Acq: 27 Jun 2023 20:37

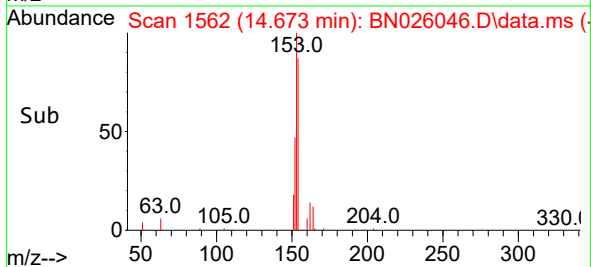
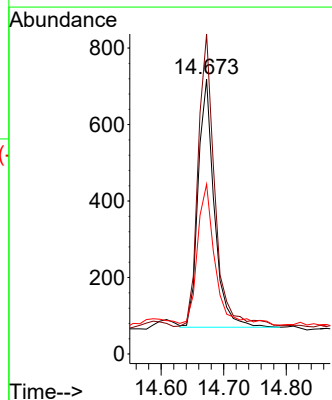
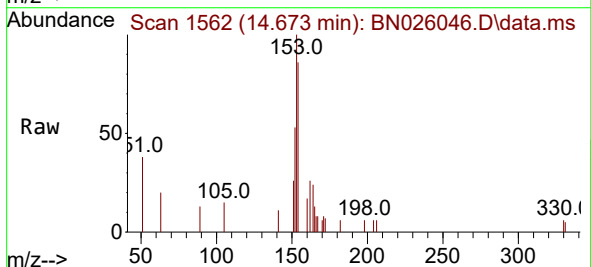
Tgt Ion:154 Resp: 1166

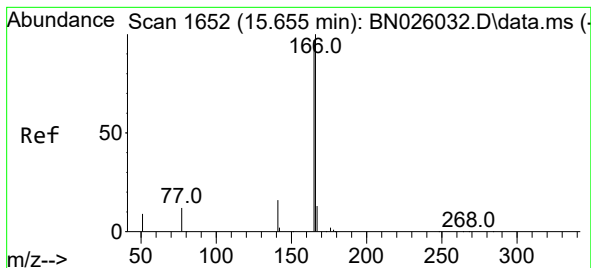
Ion Ratio Lower Upper

154 100

153 121.4 94.4 141.6

152 61.7 46.1 69.1





#18

Fluorene

Concen: 0.061 ng

RT: 15.656 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN026046.D

Acq: 27 Jun 2023 20:37

Instrument :

BNA_N

ClientSampleId :

DUP-01

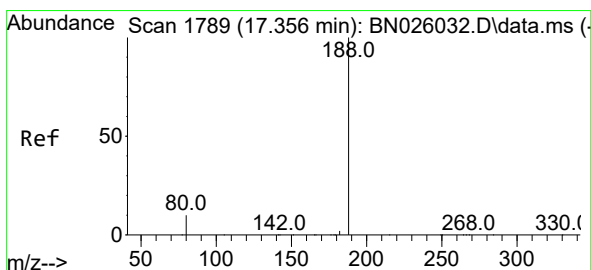
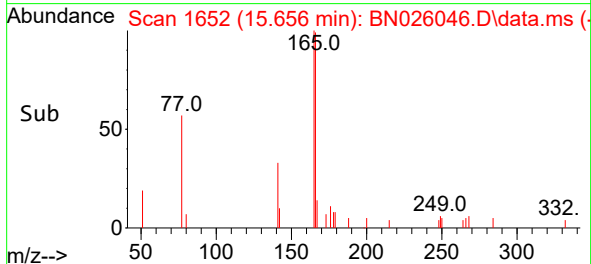
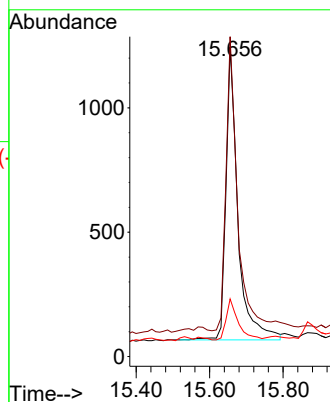
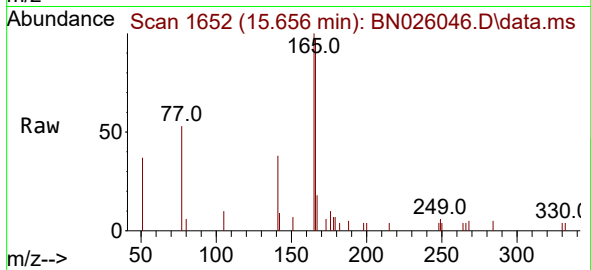
Tgt Ion:166 Resp: 2659

Ion Ratio Lower Upper

166 100

165 99.4 79.7 119.5

167 14.1 10.6 16.0



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.356 min Scan# 1789

Delta R.T. 0.000 min

Lab File: BN026046.D

Acq: 27 Jun 2023 20:37

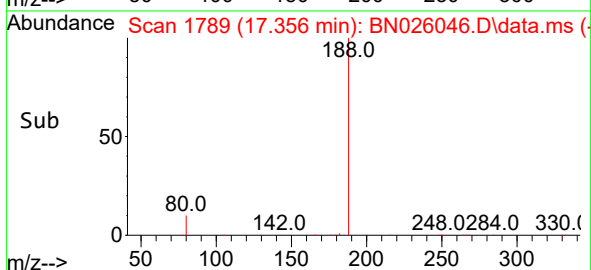
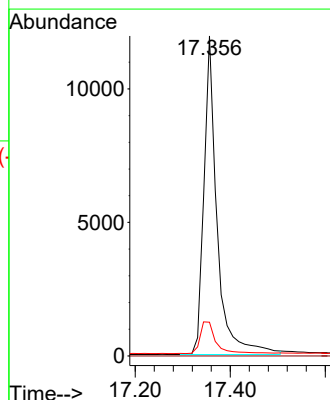
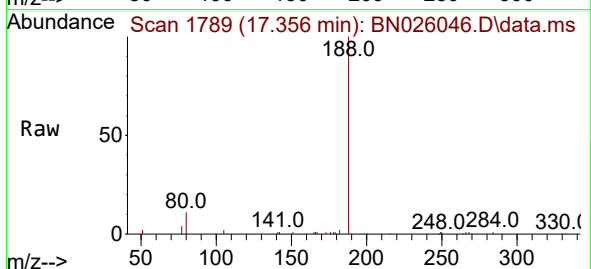
Tgt Ion:188 Resp: 22986

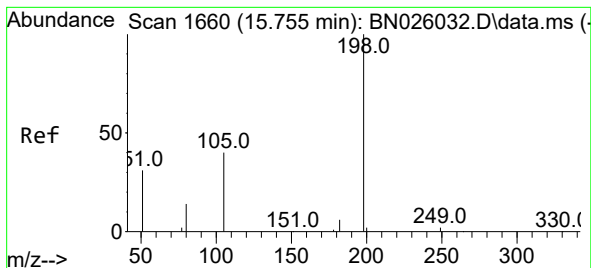
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.6 8.6 13.0

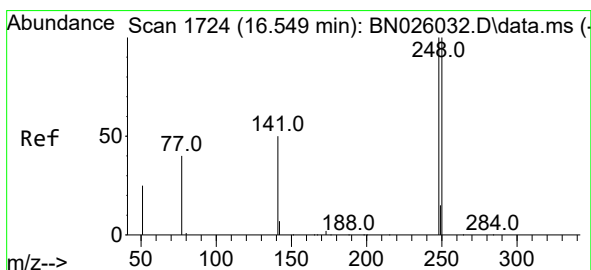
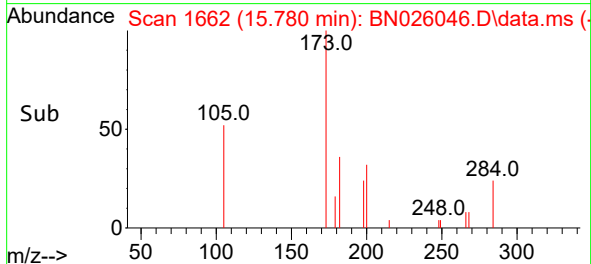
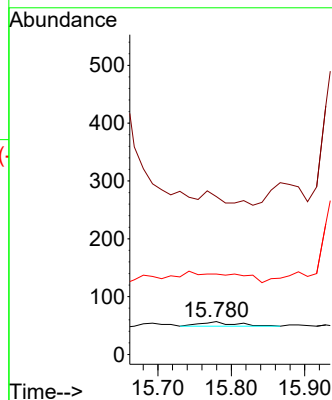
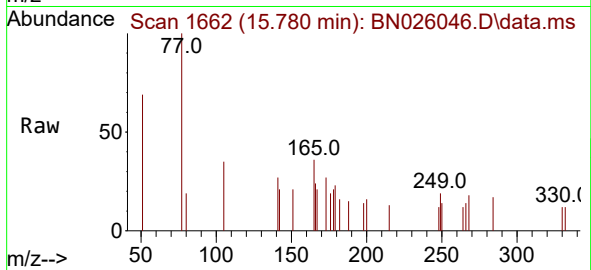




#20
4,6-Dinitro-2-methylphenol
Concen: 0.065 ng
RT: 15.780 min Scan# 1662
Delta R.T. 0.025 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

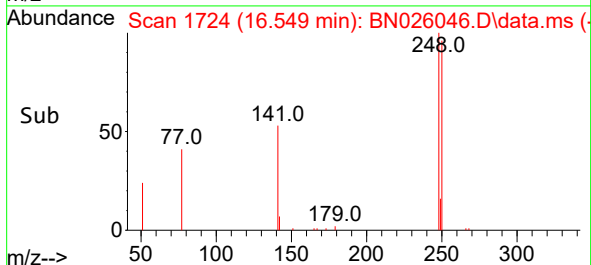
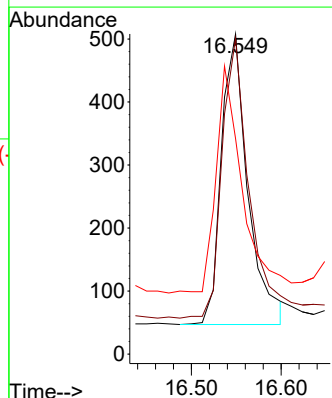
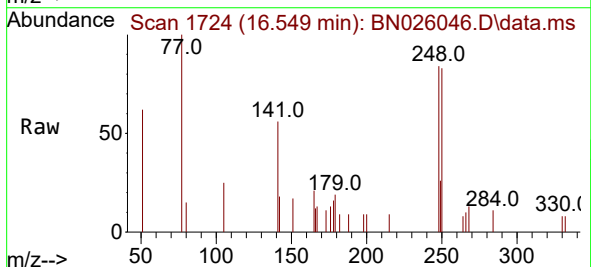
Instrument :
BNA_N
ClientSampleId :
DUP-01

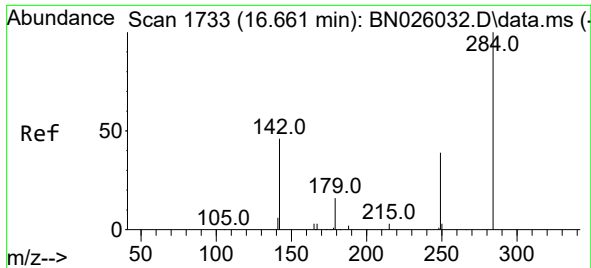
Tgt Ion:198 Resp: 25
Ion Ratio Lower Upper
198 100
51 478.9 85.8 128.8#
105 243.9 48.2 72.2#



#21
4-Bromophenyl-phenylether
Concen: 0.072 ng
RT: 16.549 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

Tgt Ion:248 Resp: 949
Ion Ratio Lower Upper
248 100
250 98.6 79.9 119.9
141 67.3 41.6 62.4#

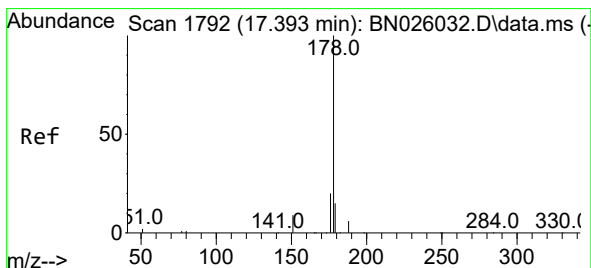
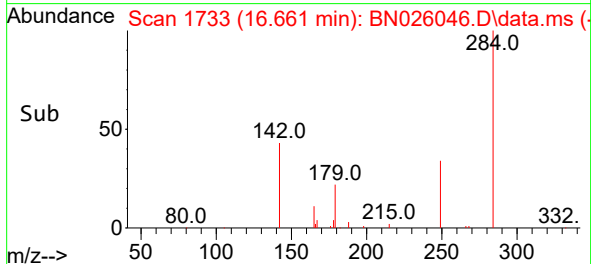
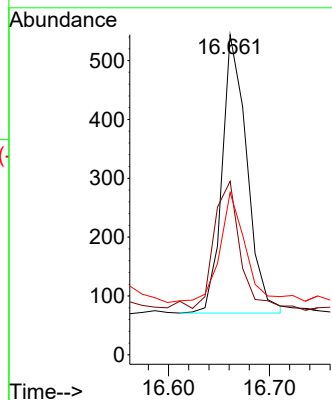
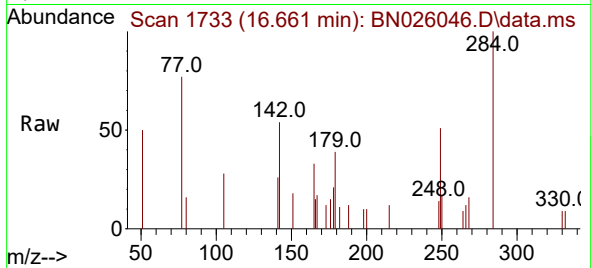




#22
Hexachlorobenzene
Concen: 0.061 ng
RT: 16.661 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

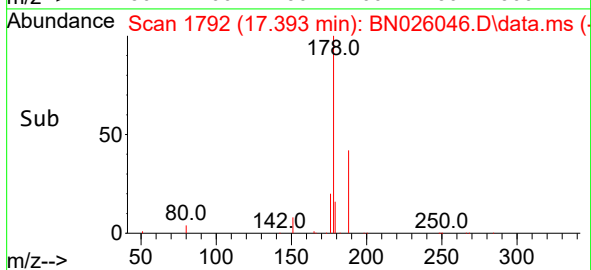
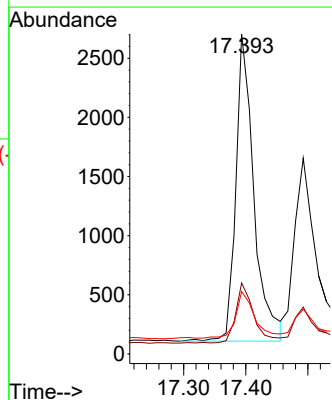
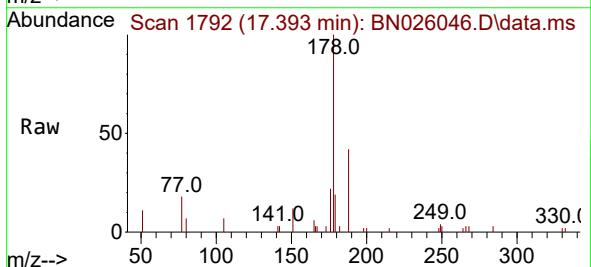
Instrument :
BNA_N
ClientSampleId :
DUP-01

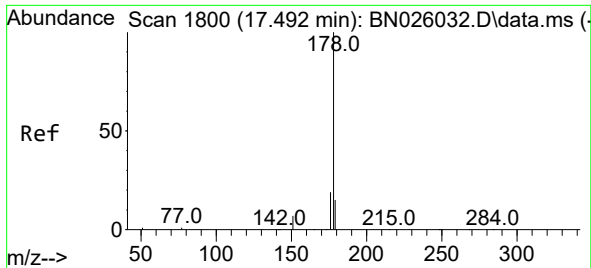
Tgt Ion:284 Resp: 808
Ion Ratio Lower Upper
284 100
142 47.2 38.7 58.1
249 40.6 28.5 42.7



#25
Phenanthrene
Concen: 0.078 ng
RT: 17.393 min Scan# 1792
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

Tgt Ion:178 Resp: 5254
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.9 12.3 18.5

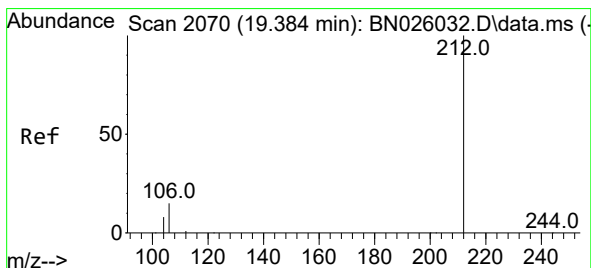
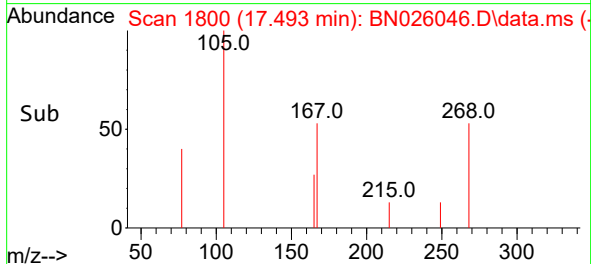
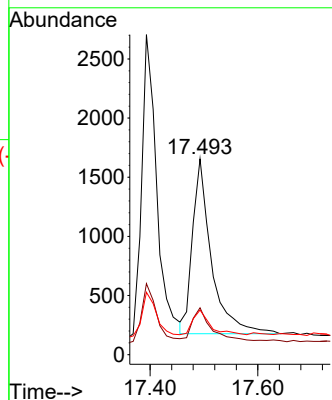
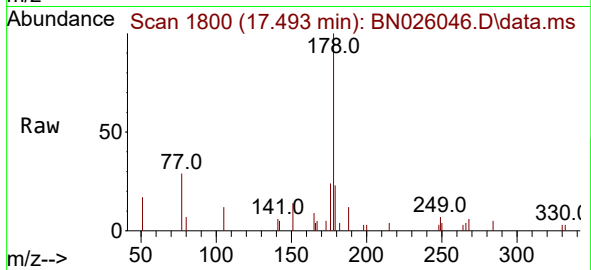




#26
 Anthracene
 Concen: 0.060 ng
 RT: 17.493 min Scan# 1800
 Delta R.T. 0.000 min
 Lab File: BN026046.D
 Acq: 27 Jun 2023 20:37

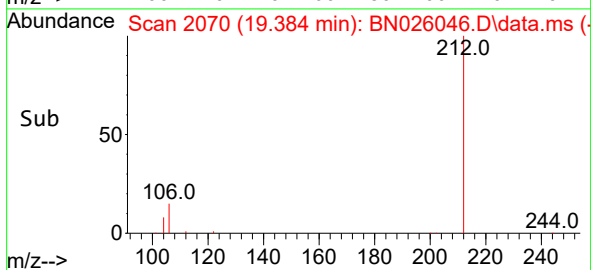
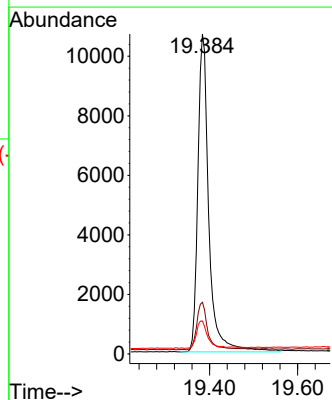
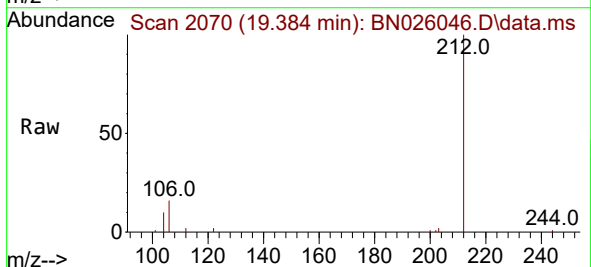
Instrument :
 BNA_N
 ClientSampleId :
 DUP-01

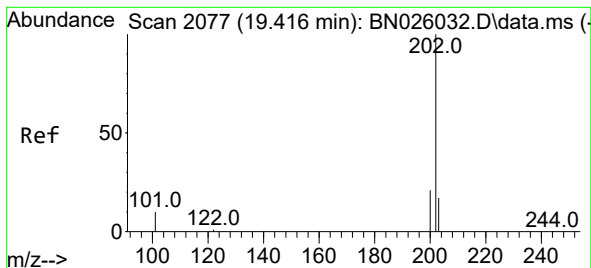
Tgt Ion:178 Resp: 3623
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.0 22.4
 179 12.6 12.4 18.6



#27
 Fluoranthene-d10
 Concen: 0.378 ng
 RT: 19.384 min Scan# 2070
 Delta R.T. 0.000 min
 Lab File: BN026046.D
 Acq: 27 Jun 2023 20:37

Tgt Ion:212 Resp: 18430
 Ion Ratio Lower Upper
 212 100
 106 15.0 11.6 17.4
 104 8.8 7.2 10.8





#28

Fluoranthene

Concen: 0.061 ng

RT: 19.412 min Scan# 2076

Delta R.T. -0.005 min

Lab File: BN026046.D

Acq: 27 Jun 2023 20:37

Instrument :

BNA_N

ClientSampleId :

DUP-01

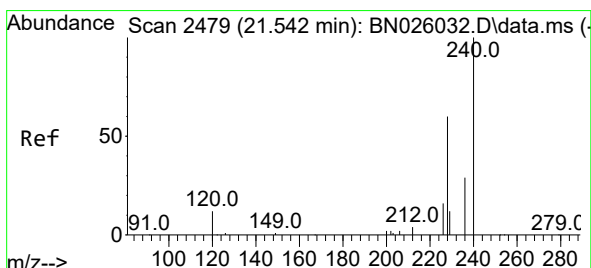
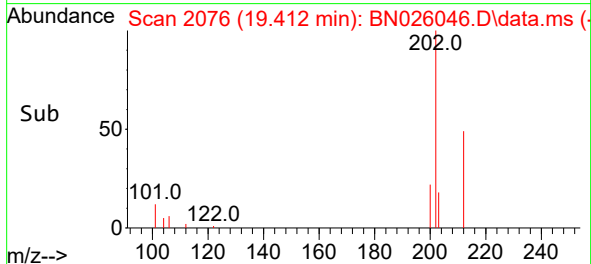
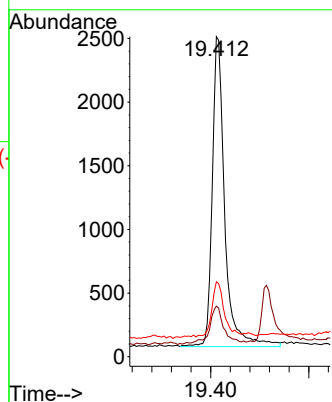
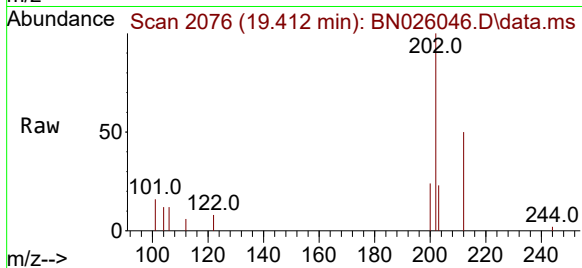
Tgt Ion:202 Resp: 4300

Ion Ratio Lower Upper

202 100

101 14.7 8.3 12.5#

203 17.7 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: BN026046.D

Acq: 27 Jun 2023 20:37

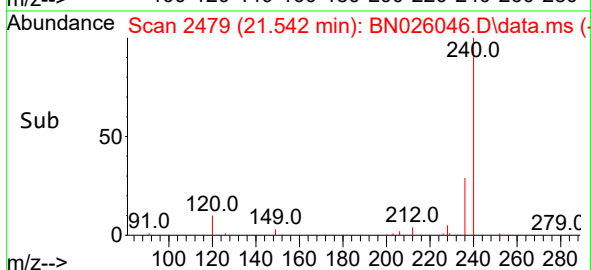
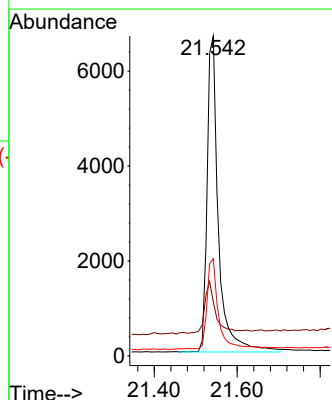
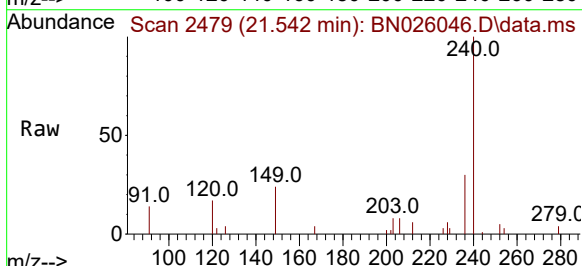
Tgt Ion:240 Resp: 12659

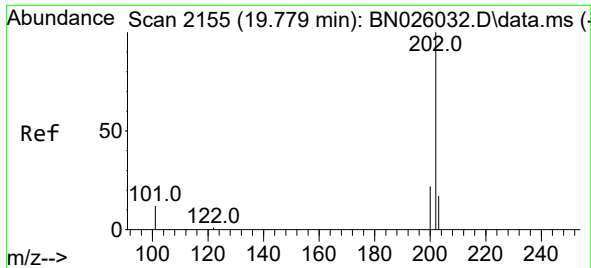
Ion Ratio Lower Upper

240 100

120 16.9 14.6 22.0

236 30.4 24.2 36.2

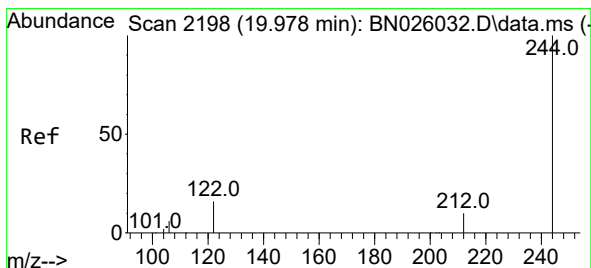
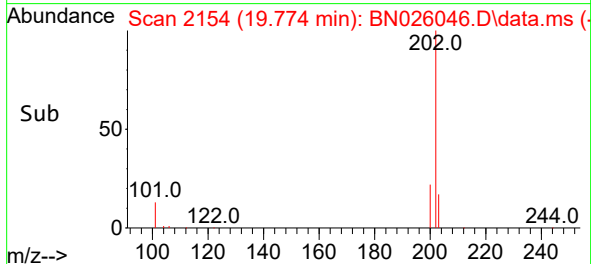
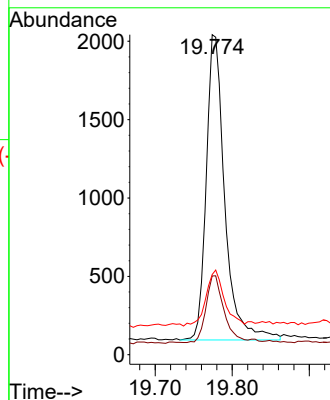
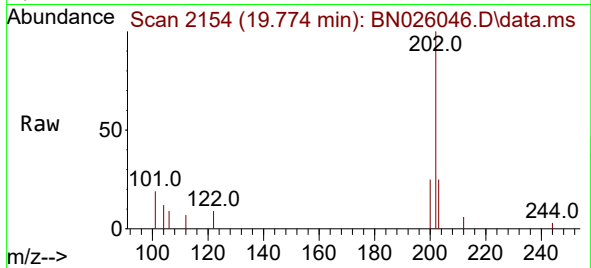




#30
Pyrene
Concen: 0.046 ng
RT: 19.774 min Scan# 2155
Delta R.T. -0.005 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

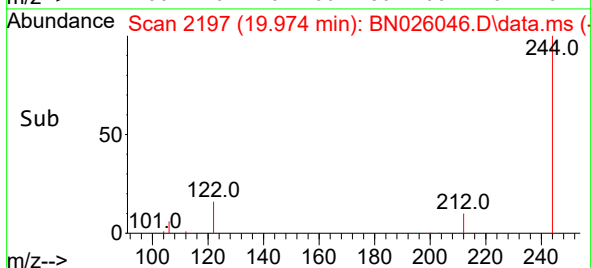
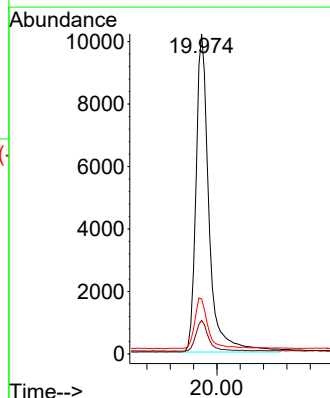
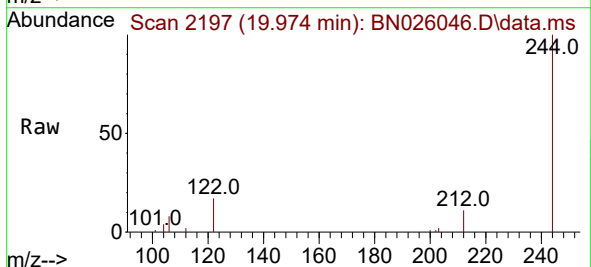
Instrument :
BNA_N
ClientSampleId :
DUP-01

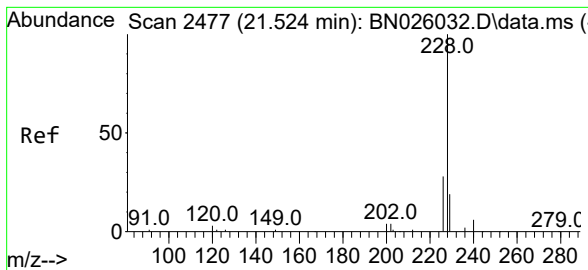
Tgt Ion:202 Resp: 3256
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 18.1 14.2 21.4



#31
Terphenyl-d14
Concen: 0.487 ng
RT: 19.974 min Scan# 2197
Delta R.T. -0.005 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

Tgt Ion:244 Resp: 15781
Ion Ratio Lower Upper
244 100
212 10.5 8.7 13.1
122 17.2 13.7 20.5

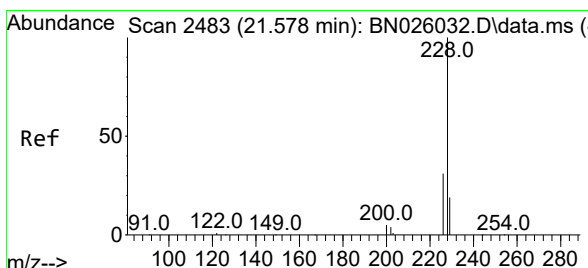
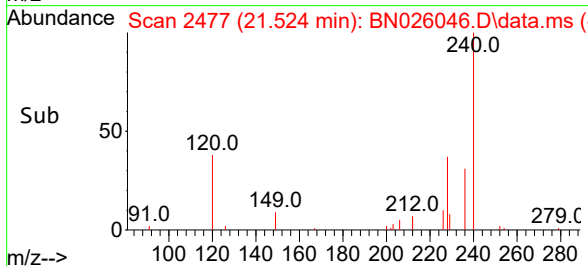
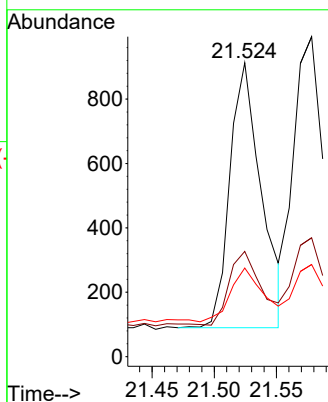
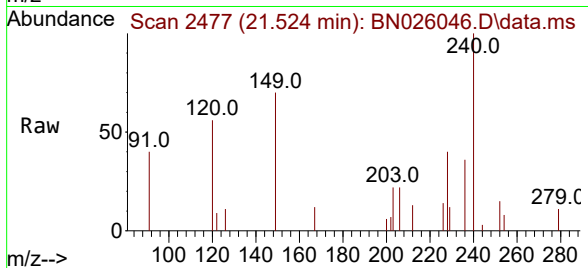




#32
Benzo(a)anthracene
Concen: 0.032 ng
RT: 21.524 min Scan# 2477
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

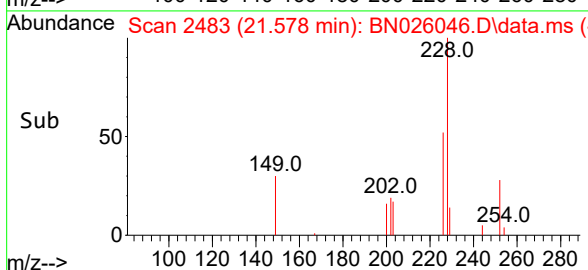
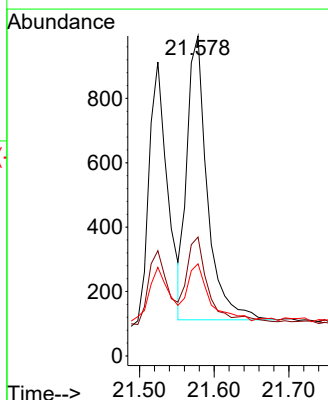
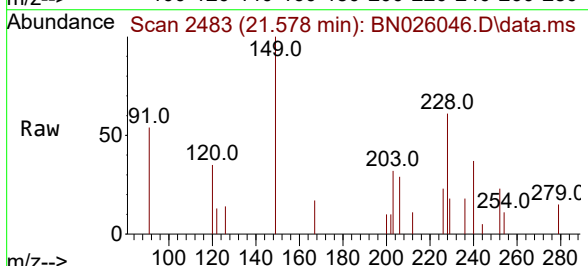
Instrument :
BNA_N
ClientSampleId :
DUP-01

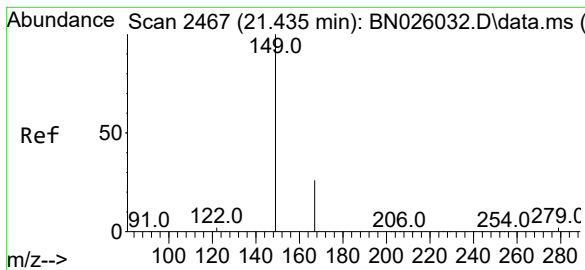
Tgt Ion:228 Resp: 1446
Ion Ratio Lower Upper
228 100
226 35.8 23.0 34.6#
229 30.1 15.9 23.9#



#33
Chrysene
Concen: 0.033 ng
RT: 21.578 min Scan# 2483
Delta R.T. 0.000 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

Tgt Ion:228 Resp: 1674
Ion Ratio Lower Upper
228 100
226 37.1 24.8 37.2
229 28.8 15.6 23.4#

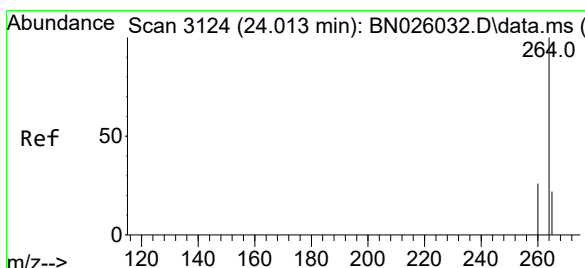
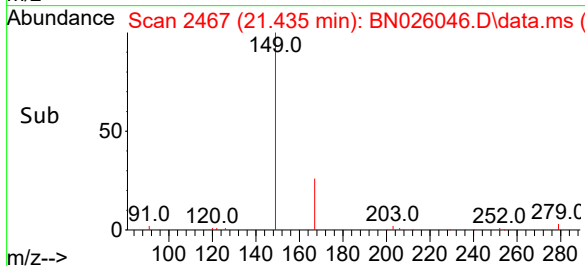
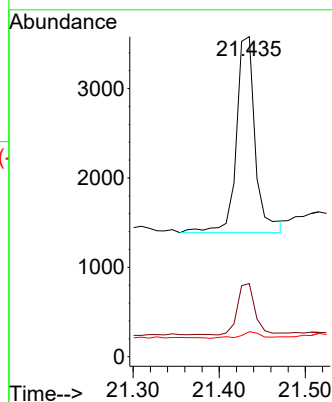
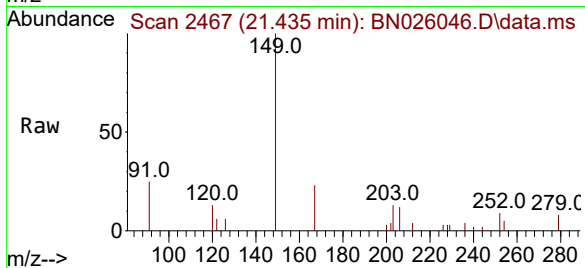




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.083 ng
 RT: 21.435 min Scan# 2467
 Delta R.T. 0.000 min
 Lab File: BN026046.D
 Acq: 27 Jun 2023 20:37

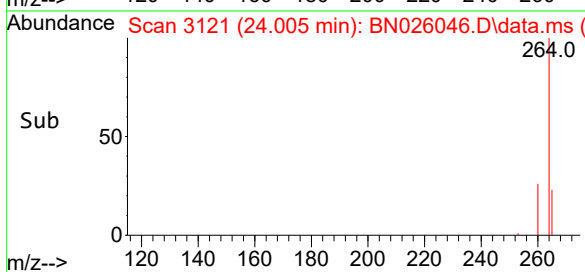
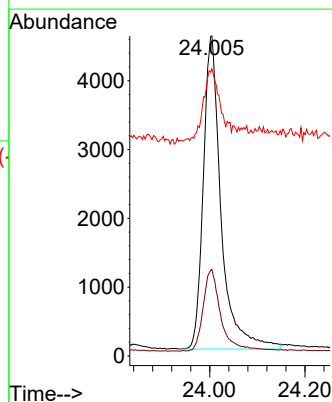
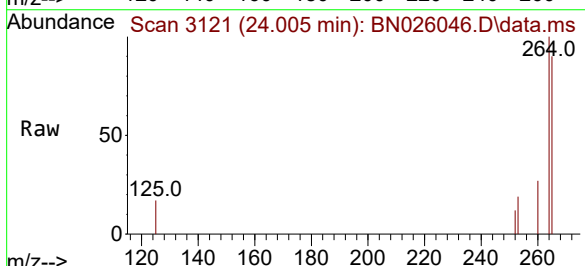
Instrument :
 BNA_N
 ClientSampleId :
 DUP-01

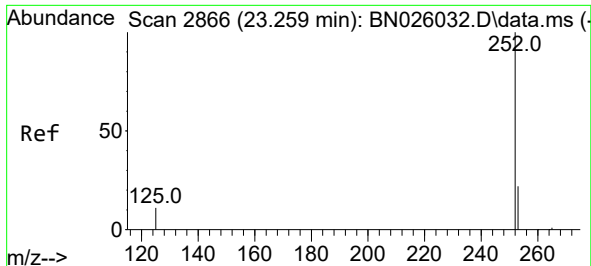
Tgt Ion:149 Resp: 3355
 Ion Ratio Lower Upper
 149 100
 167 24.6 20.2 30.4
 279 3.5 2.4 3.6



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.005 min Scan# 3121
 Delta R.T. -0.009 min
 Lab File: BN026046.D
 Acq: 27 Jun 2023 20:37

Tgt Ion:264 Resp: 11813
 Ion Ratio Lower Upper
 264 100
 260 27.0 21.9 32.9
 265 89.8 80.3 120.5





#37

Benzo(b)fluoranthene

Concen: 0.035 ng

RT: 23.250 min Scan# 2866

Delta R.T. -0.009 min

Lab File: BN026046.D

Acq: 27 Jun 2023 20:37

Instrument :

BNA_N

ClientSampleId :

DUP-01

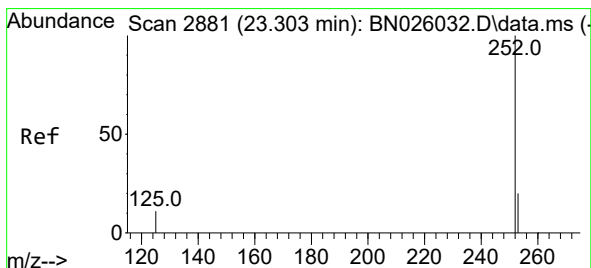
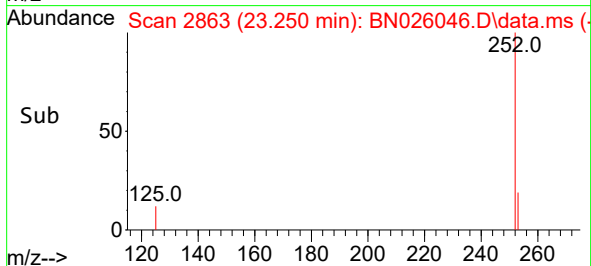
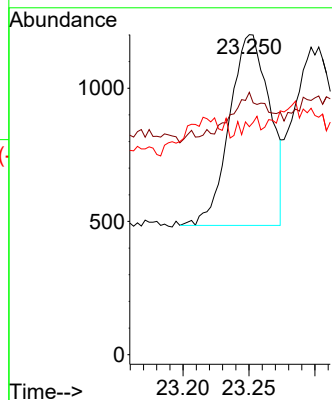
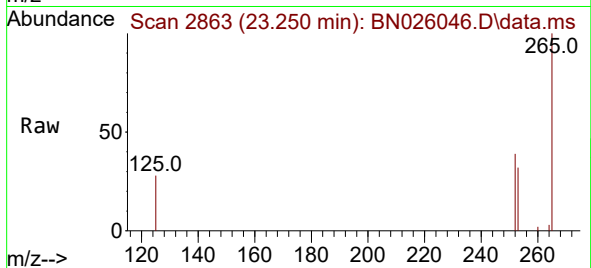
Tgt Ion:252 Resp: 1521

Ion Ratio Lower Upper

252 100

253 82.0 24.1 36.1#

125 71.3 15.4 23.0#



#38

Benzo(k)fluoranthene

Concen: 0.027 ng

RT: 23.303 min Scan# 2881

Delta R.T. 0.000 min

Lab File: BN026046.D

Acq: 27 Jun 2023 20:37

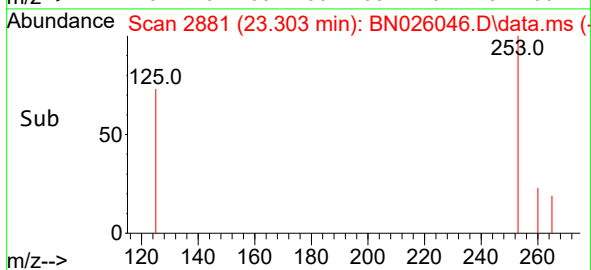
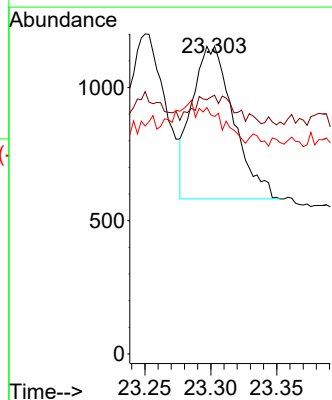
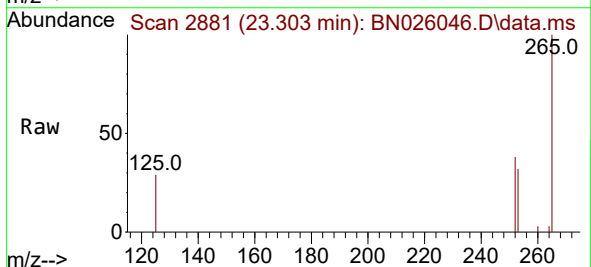
Tgt Ion:252 Resp: 1260

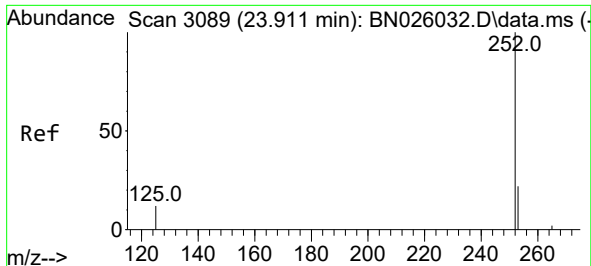
Ion Ratio Lower Upper

252 100

253 84.1 23.6 35.4#

125 77.1 15.8 23.8#

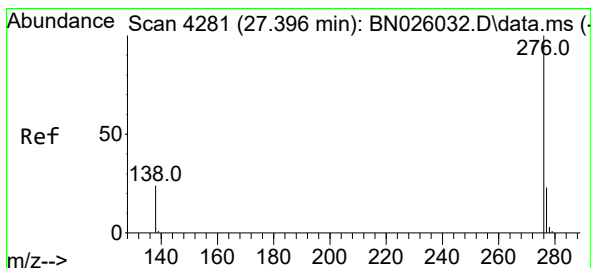
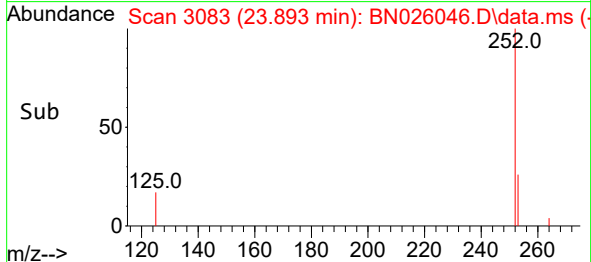
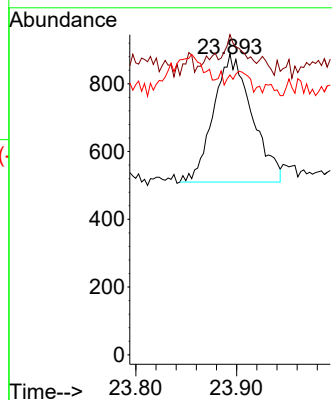
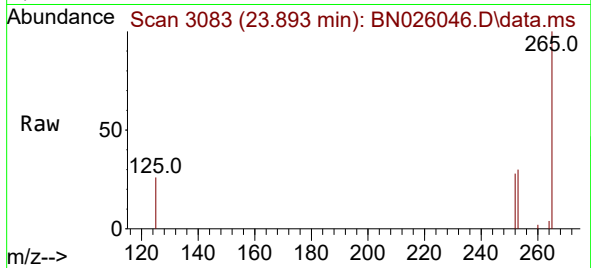




#39
Benzo(a)pyrene
Concen: 0.024 ng
RT: 23.893 min Scan# 3083
Delta R.T. -0.017 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

Instrument :
BNA_N
ClientSampleId :
DUP-01

Tgt Ion:252 Resp: 1000
Ion Ratio Lower Upper
252 100
253 106.4 26.2 39.4#
125 93.0 18.7 28.1#



#41
Benzo(g,h,i)perylene
Concen: 0.032 ng
RT: 27.387 min Scan# 4278
Delta R.T. -0.009 min
Lab File: BN026046.D
Acq: 27 Jun 2023 20:37

Tgt Ion:276 Resp: 1433
Ion Ratio Lower Upper
276 100
277 45.4 20.3 30.5#
138 52.6 21.5 32.3#

