

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062723\
 Data File : BN026045.D
 Acq On : 27 Jun 2023 20:01
 Operator : MA/JU
 Sample : 03376-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TW-2

Quant Time: Jun 28 05:50:59 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)

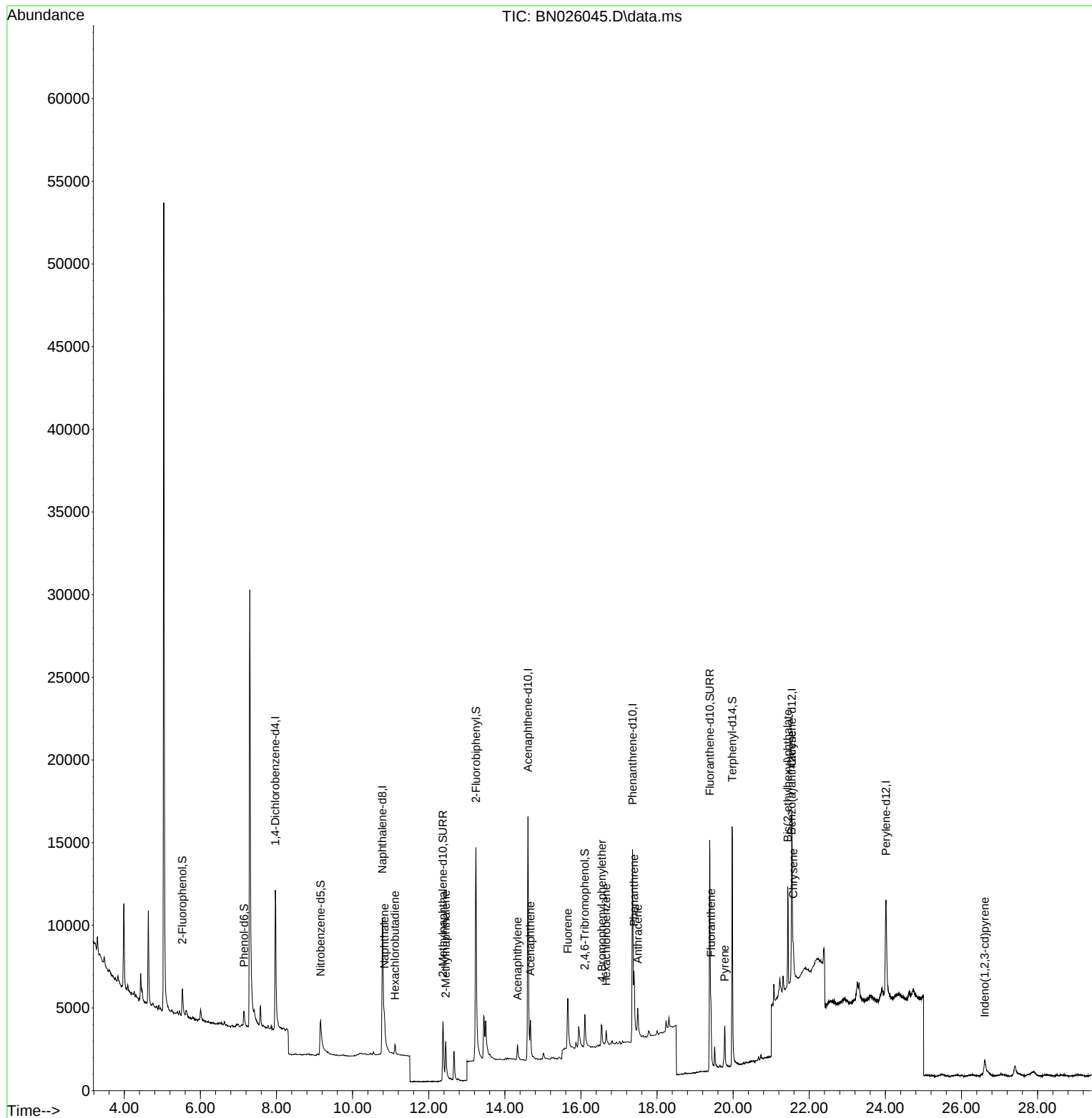
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	5484	0.400	ng	0.00
7) Naphthalene-d8	10.782	136	16137	0.400	ng	0.00
13) Acenaphthene-d10	14.609	164	10090	0.400	ng	0.00
19) Phenanthrene-d10	17.356	188	20730	0.400	ng	0.00
29) Chrysene-d12	21.542	240	11565	0.400	ng	0.00
35) Perylene-d12	24.016	264	10424	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.528	112	2026	0.152	ng	0.00
5) Phenol-d6	7.146	99	1492	0.088	ng	0.00
8) Nitrobenzene-d5	9.159	82	3818	0.277	ng	0.01
11) 2-Methylnaphthalene-d10	12.374	152	7427	0.315	ng	0.00
14) 2,4,6-Tribromophenol	16.102	330	1353	0.369	ng	0.00
15) 2-Fluorobiphenyl	13.240	172	15873	0.407	ng	0.00
27) Fluoranthene-d10	19.384	212	18516	0.422	ng	0.00
31) Terphenyl-d14	19.974	244	16805	0.568	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.835	128	3165	0.072	ng	# 88
10) Hexachlorobutadiene	11.113	225	532	0.063	ng	# 99
12) 2-Methylnaphthalene	12.449	142	2376	0.077	ng	95
16) Acenaphthylene	14.331	152	1411	0.030	ng	# 96
17) Acenaphthene	14.673	154	1165	0.038	ng	97
18) Fluorene	15.656	166	2457	0.062	ng	100
21) 4-Bromophenyl-phenylether	16.549	248	696	0.059	ng	# 85
22) Hexachlorobenzene	16.661	284	638	0.054	ng	# 94
25) Phenanthrene	17.393	178	4731	0.078	ng	98
26) Anthracene	17.493	178	2771	0.051	ng	98
28) Fluoranthene	19.416	202	3386	0.053	ng	# 95
30) Pyrene	19.779	202	2661	0.042	ng	99
32) Benzo(a)anthracene	21.533	228	1384	0.033	ng	# 81
33) Chrysene	21.578	228	1550	0.033	ng	# 82
34) Bis(2-ethylhexyl)phtha...	21.435	149	6452	0.174	ng	98
36) Indeno(1,2,3-cd)pyrene	26.610	276	1442	0.034	ng	# 73

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

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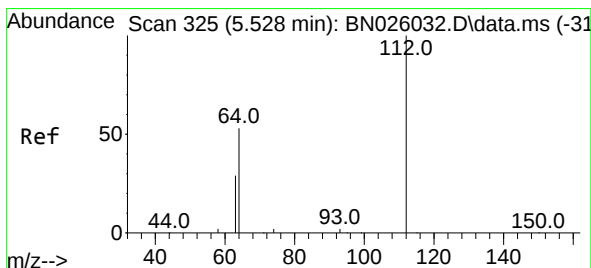
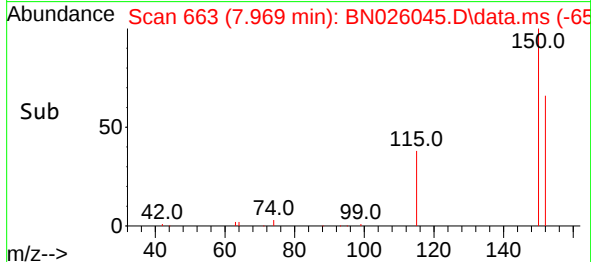
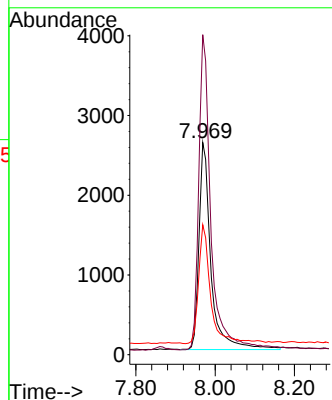
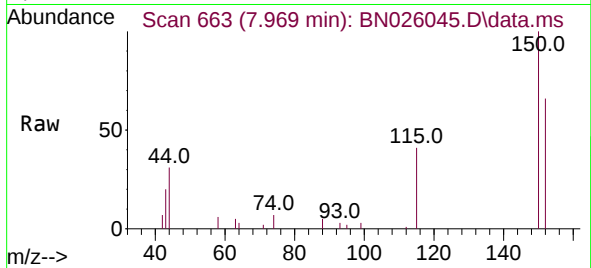




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.969 min Scan# 664
 Delta R.T. -0.007 min
 Lab File: BN026045.D
 Acq: 27 Jun 2023 20:01

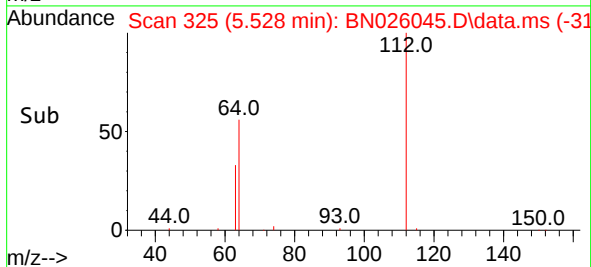
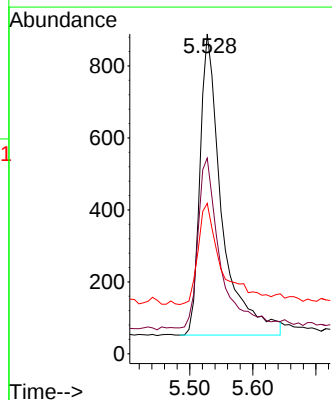
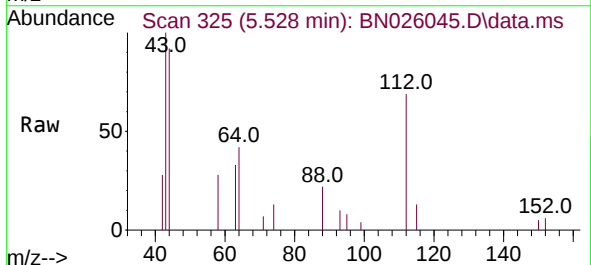
Instrument :
 BNA_N
 ClientSampleId :
 TW-2

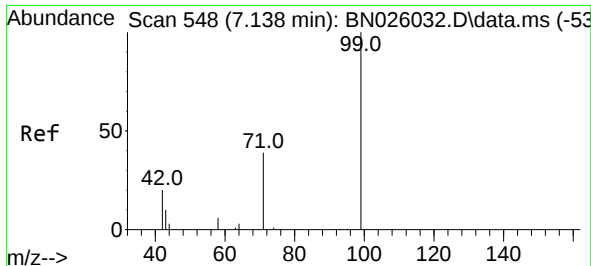
Tgt Ion:152 Resp: 5484
 Ion Ratio Lower Upper
 152 100
 150 150.8 124.7 187.1
 115 61.2 48.2 72.4



#4
 2-Fluorophenol
 Concen: 0.152 ng
 RT: 5.528 min Scan# 325
 Delta R.T. 0.000 min
 Lab File: BN026045.D
 Acq: 27 Jun 2023 20:01

Tgt Ion:112 Resp: 2026
 Ion Ratio Lower Upper
 112 100
 64 56.5 45.8 68.6
 63 36.8 27.4 41.2

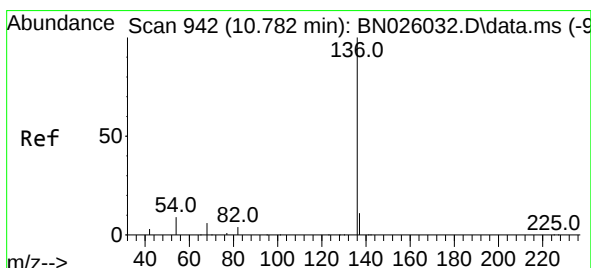
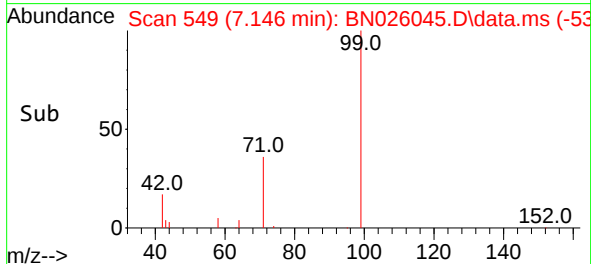
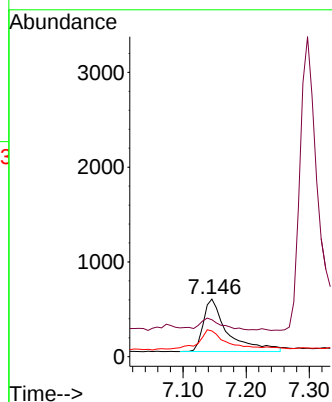
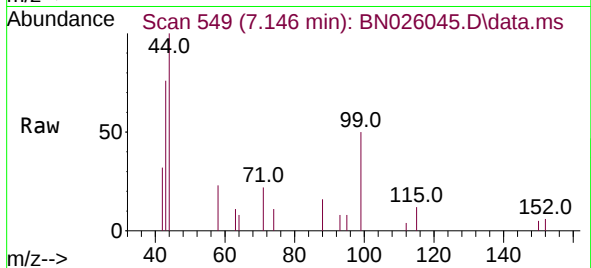




#5
Phenol-d6
Concen: 0.088 ng
RT: 7.146 min Scan# 549
Delta R.T. 0.007 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

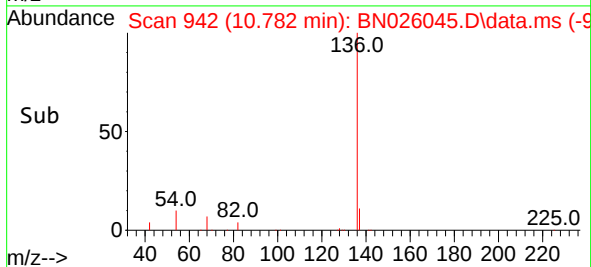
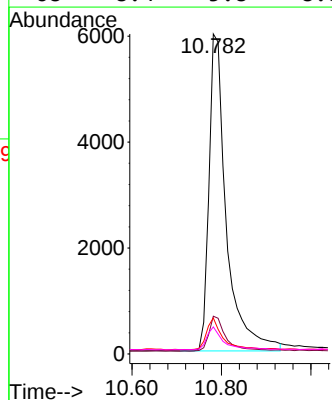
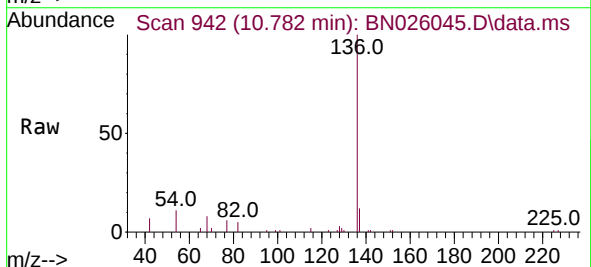
Instrument :
BNA_N
ClientSampleId :
TW-2

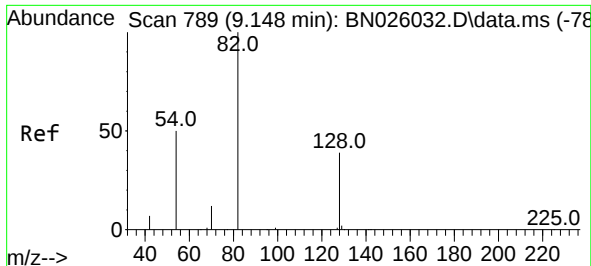
Tgt Ion: 99 Resp: 1492
Ion Ratio Lower Upper
99 100
42 18.2 18.4 27.6#
71 44.6 30.6 46.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.782 min Scan# 942
Delta R.T. 0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

Tgt Ion: 136 Resp: 16137
Ion Ratio Lower Upper
136 100
137 11.8 9.0 13.4
54 11.3 7.8 11.6
68 8.4 5.8 8.8

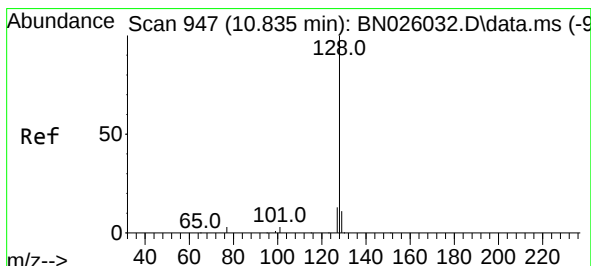
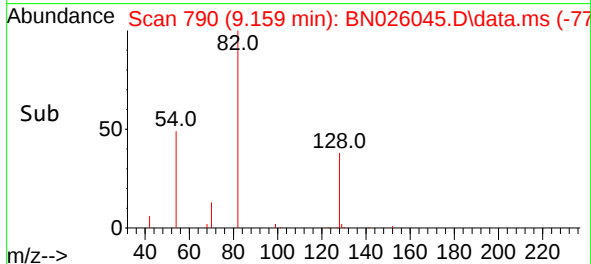
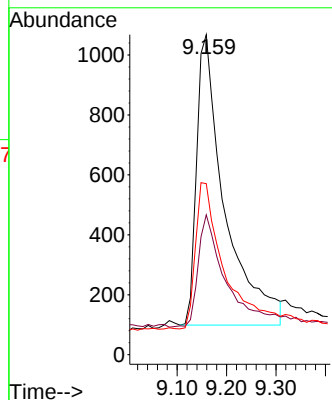
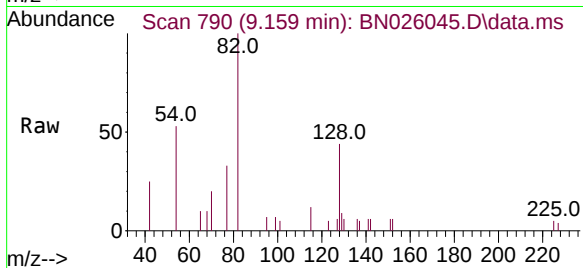




#8
Nitrobenzene-d5
Concen: 0.277 ng
RT: 9.159 min Scan# 789
Delta R.T. 0.011 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

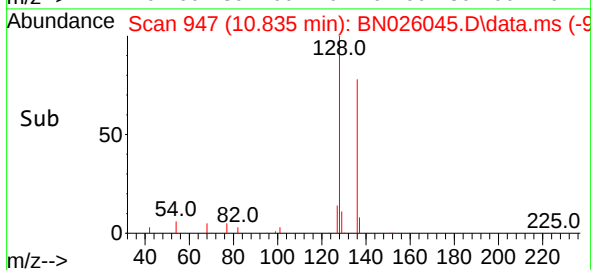
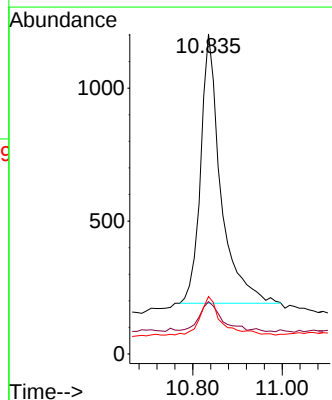
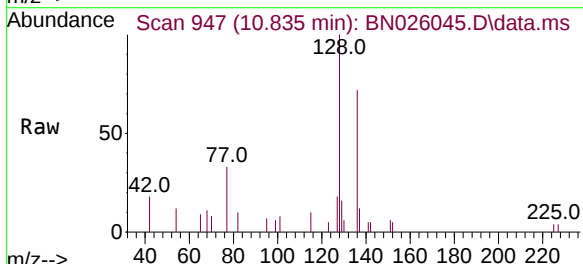
Instrument :
BNA_N
ClientSampleId :
TW-2

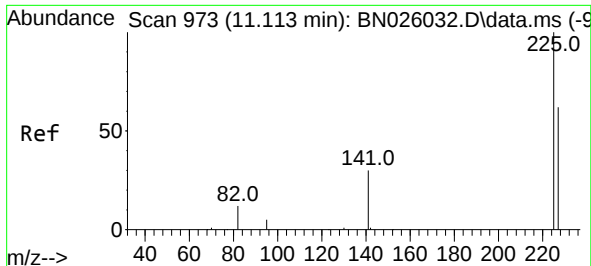
Tgt Ion: 82 Resp: 3818
Ion Ratio Lower Upper
82 100
128 43.7 33.4 50.2
54 53.5 41.7 62.5



#9
Naphthalene
Concen: 0.072 ng
RT: 10.835 min Scan# 947
Delta R.T. 0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

Tgt Ion: 128 Resp: 3165
Ion Ratio Lower Upper
128 100
129 16.4 9.1 13.7#
127 17.9 10.9 16.3#

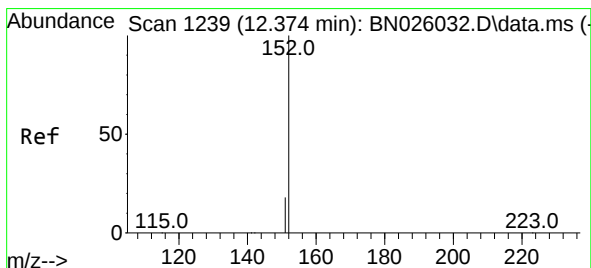
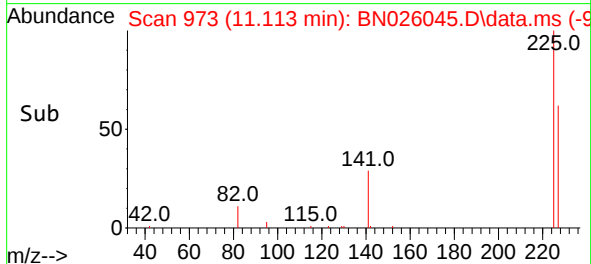
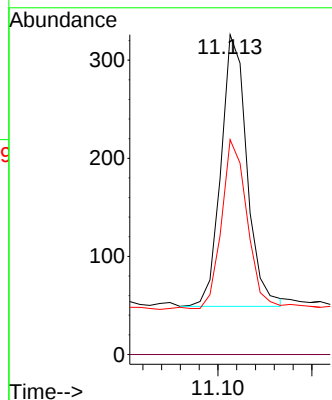
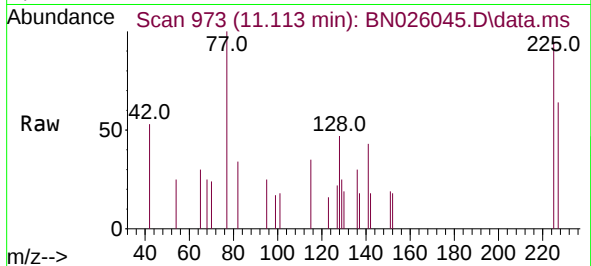




#10
Hexachlorobutadiene
Concen: 0.063 ng
RT: 11.113 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

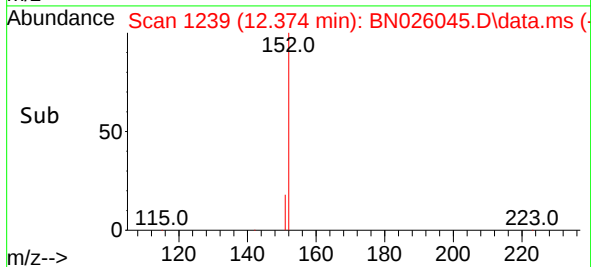
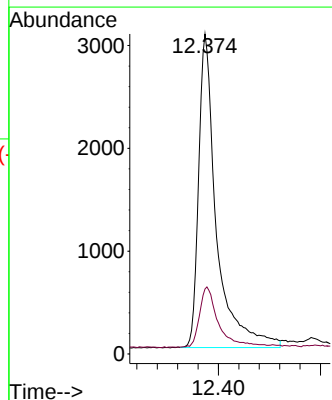
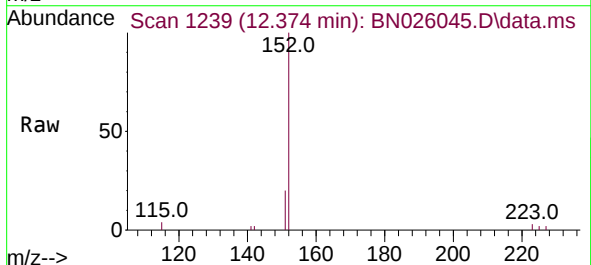
Instrument :
BNA_N
ClientSampleId :
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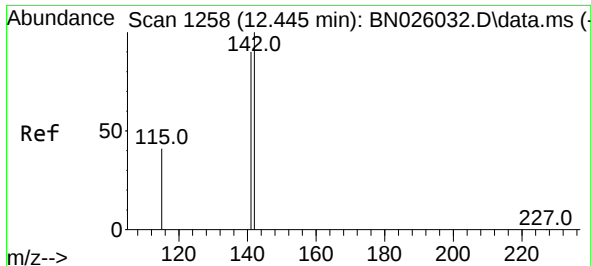
Tgt Ion:225 Resp: 532
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.2 50.3 75.5



#11
2-Methylnaphthalene-d10
Concen: 0.315 ng
RT: 12.374 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

Tgt Ion:152 Resp: 7427
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2

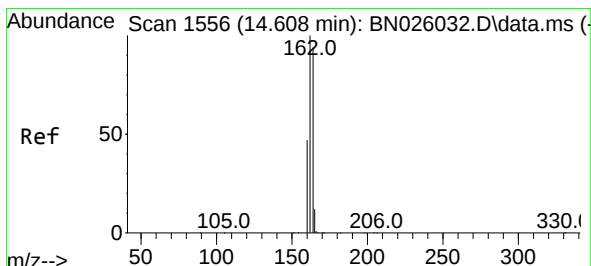
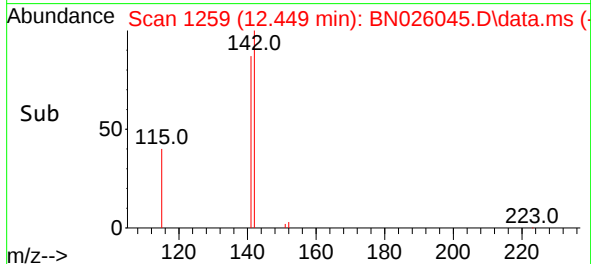
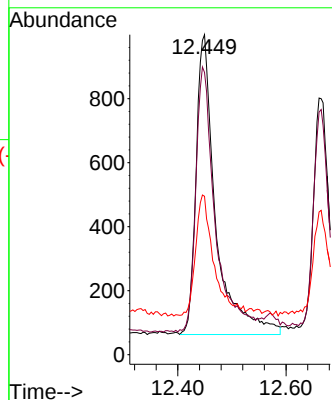
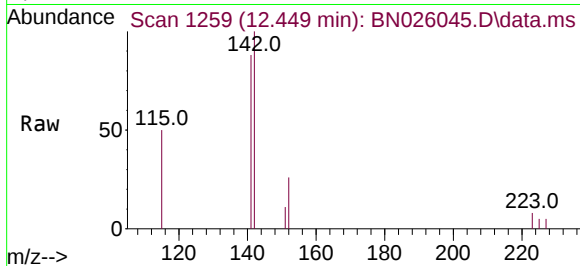




#12
2-Methylnaphthalene
Concen: 0.077 ng
RT: 12.449 min Scan# 1258
Delta R.T. 0.004 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

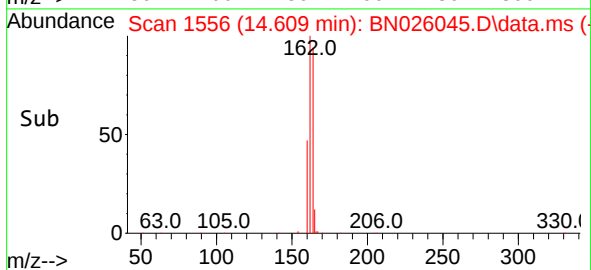
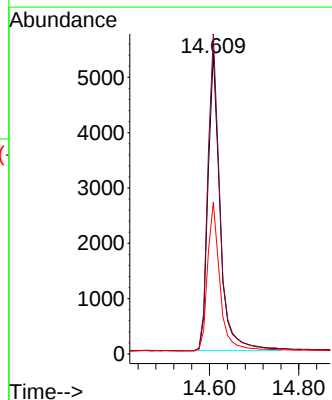
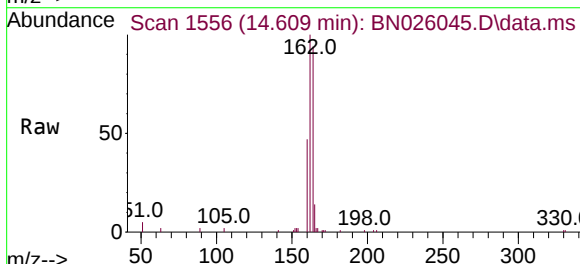
Instrument :
BNA_N
ClientSampleId :
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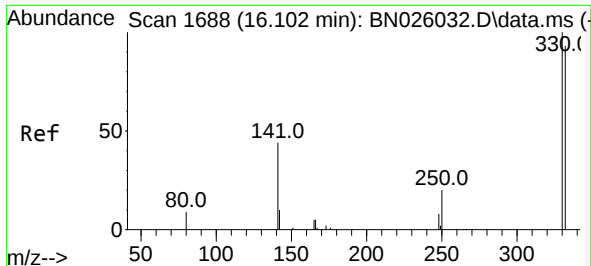
Tgt Ion:142 Resp: 2376
Ion Ratio Lower Upper
142 100
141 88.2 71.7 107.5
115 49.5 33.4 50.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.609 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

Tgt Ion:164 Resp: 10090
Ion Ratio Lower Upper
164 100
162 106.4 85.3 127.9
160 50.5 40.0 60.0

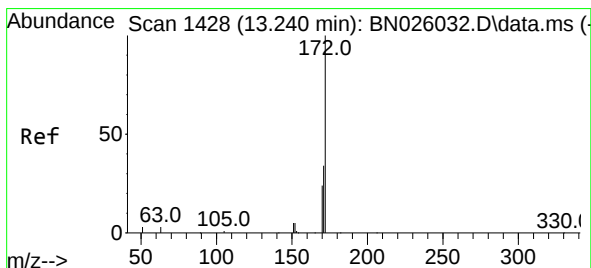
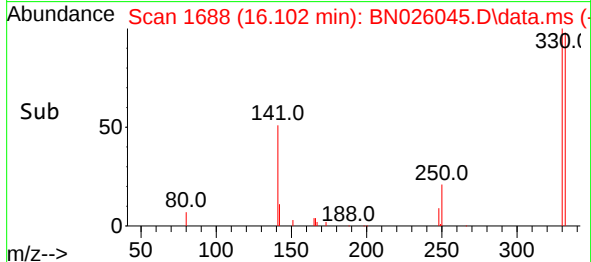
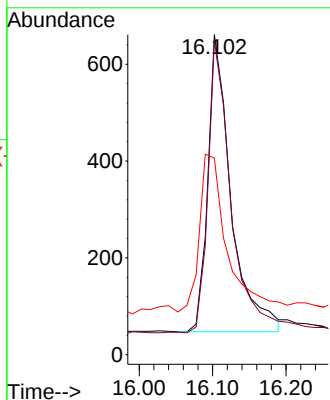
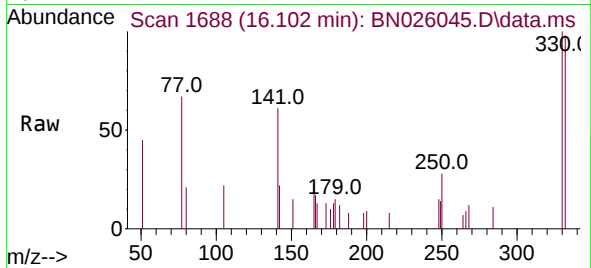




#14
2,4,6-Tribromophenol
Concen: 0.369 ng
RT: 16.102 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

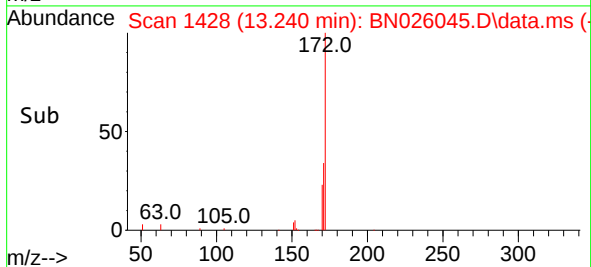
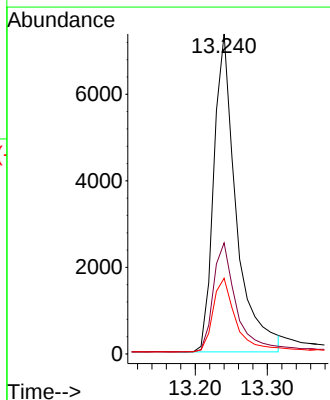
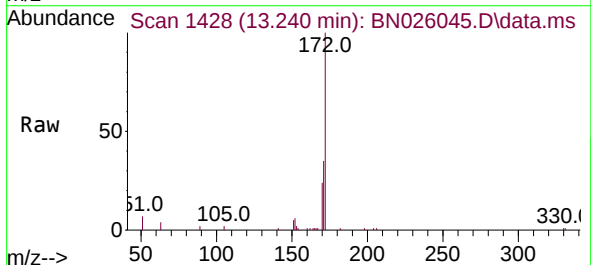
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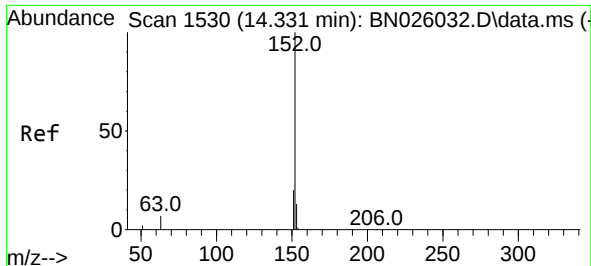
Tgt Ion:330 Resp: 1353
Ion Ratio Lower Upper
330 100
332 98.1 76.0 114.0
141 63.9 42.8 64.2



#15
2-Fluorobiphenyl
Concen: 0.407 ng
RT: 13.240 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

Tgt Ion:172 Resp: 15873
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.8
170 23.6 19.3 28.9

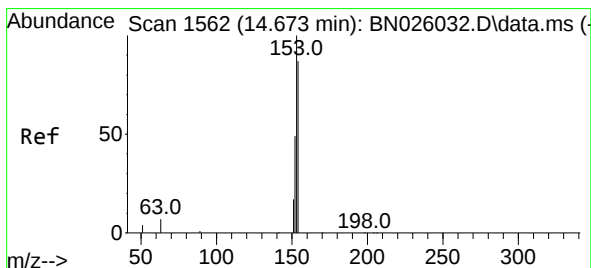
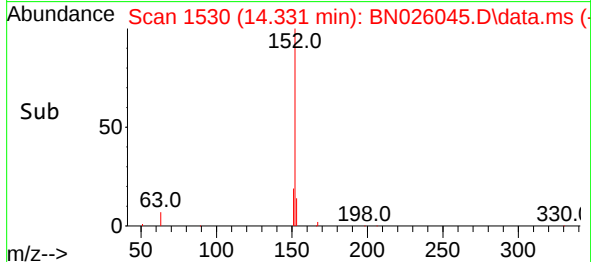
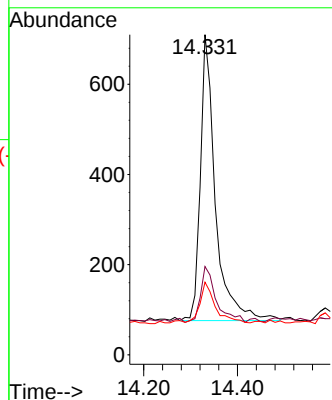
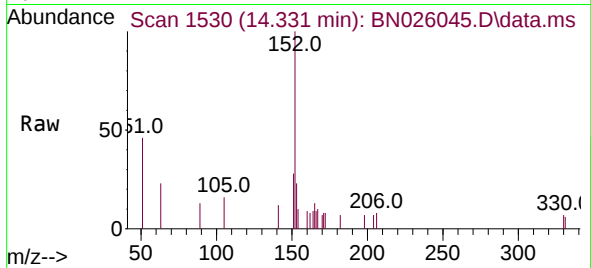




#16
Acenaphthylene
Concen: 0.030 ng
RT: 14.331 min Scan# 1530
Delta R.T. 0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

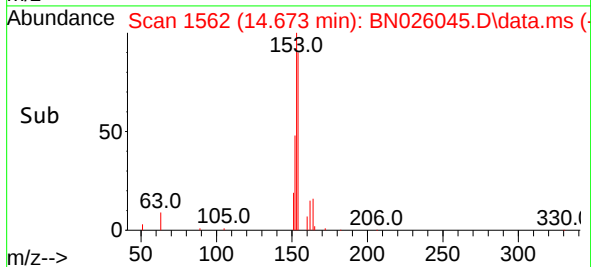
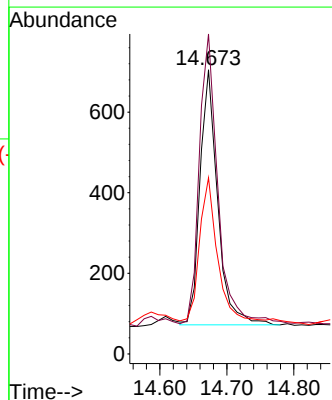
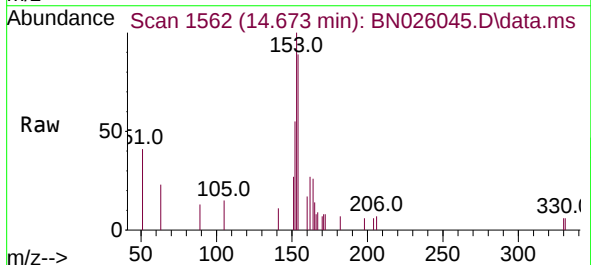
Instrument :
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TW-2

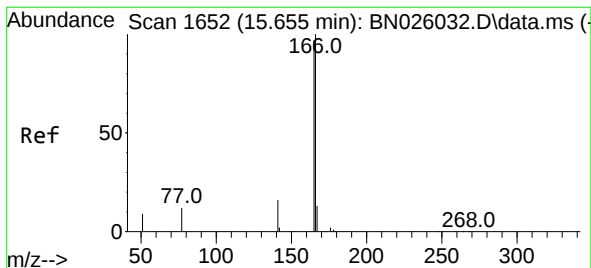
Tgt Ion:152 Resp: 1411
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 16.5 10.6 15.8#



#17
Acenaphthene
Concen: 0.038 ng
RT: 14.673 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

Tgt Ion:154 Resp: 1165
Ion Ratio Lower Upper
154 100
153 118.5 94.4 141.6
152 63.3 46.1 69.1





#18

Fluorene

Concen: 0.062 ng

RT: 15.656 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN026045.D

Acq: 27 Jun 2023 20:01

Instrument :

BNA_N

ClientSampleId :

TW-2

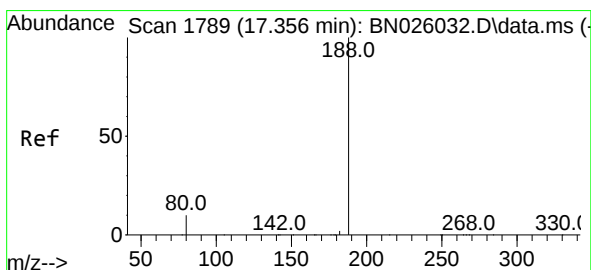
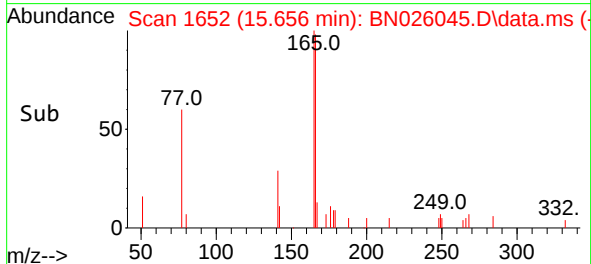
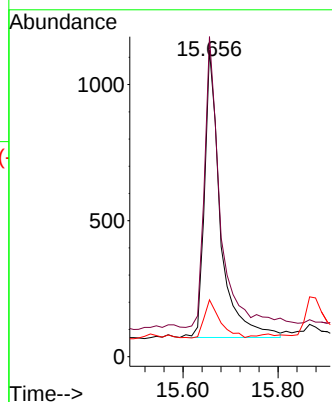
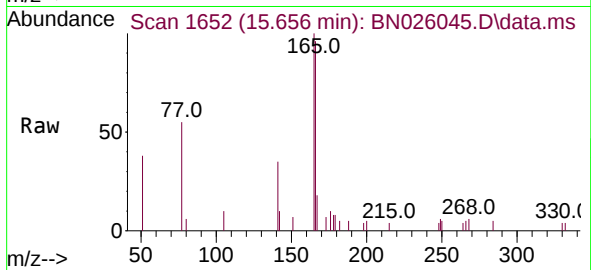
Tgt Ion:166 Resp: 2457

Ion Ratio Lower Upper

166 100

165 100.0 79.7 119.5

167 13.6 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: BN026045.D

Acq: 27 Jun 2023 20:01

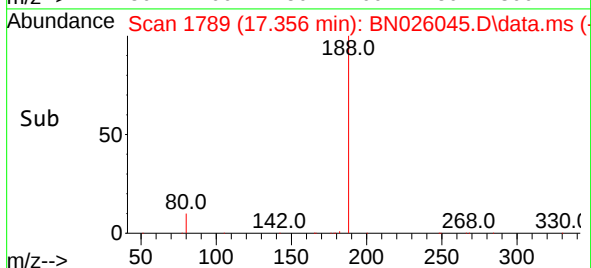
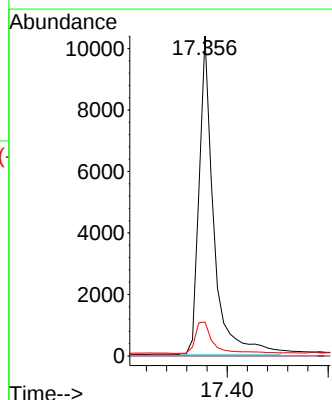
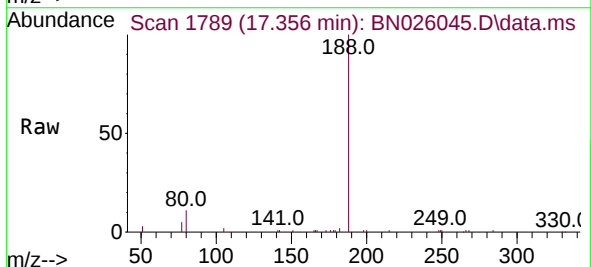
Tgt Ion:188 Resp: 20730

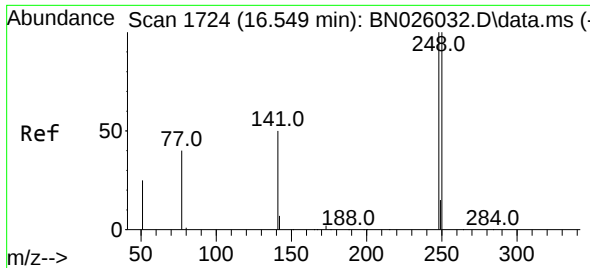
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.6 8.6 13.0

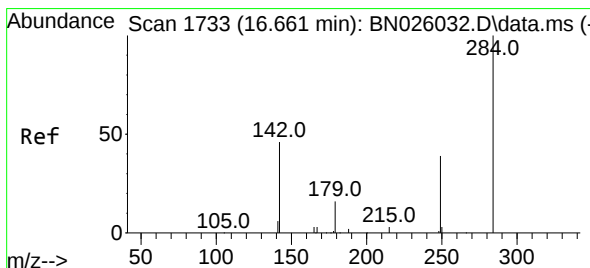
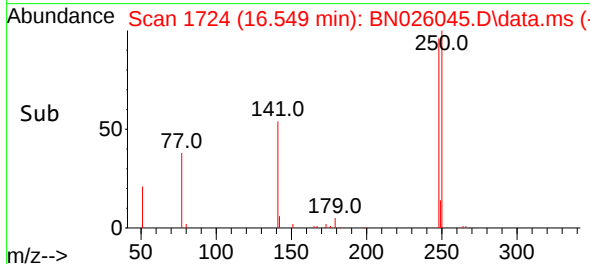
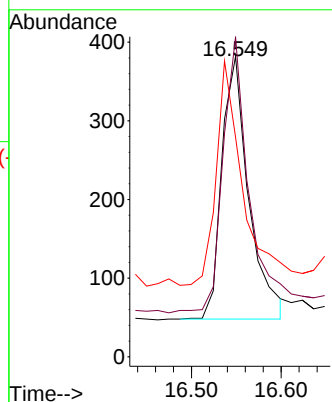
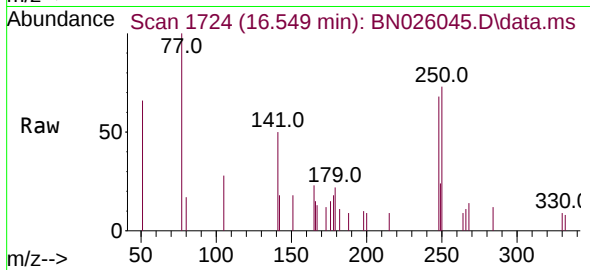




#21
4-Bromophenyl-phenylether
Concen: 0.059 ng
RT: 16.549 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

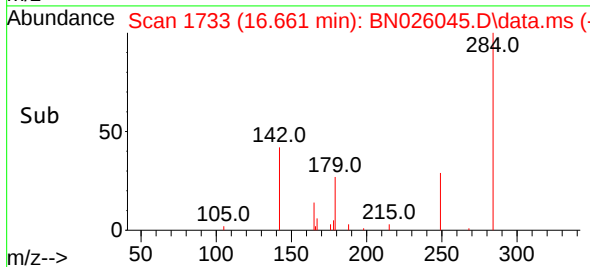
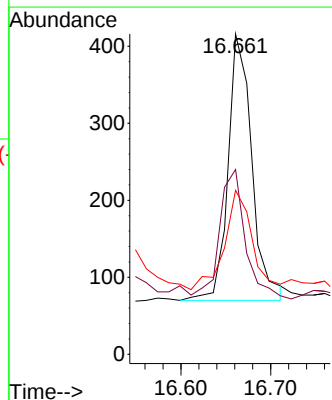
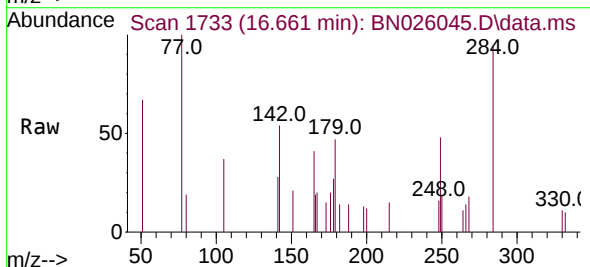
Instrument :
BNA_N
ClientSampleId :
TW-2

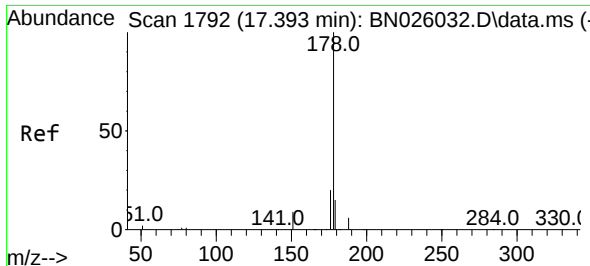
Tgt Ion:248 Resp: 696
Ion Ratio Lower Upper
248 100
250 106.5 79.9 119.9
141 73.0 41.6 62.4#



#22
Hexachlorobenzene
Concen: 0.054 ng
RT: 16.661 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

Tgt Ion:284 Resp: 638
Ion Ratio Lower Upper
284 100
142 48.7 38.7 58.1
249 42.8 28.5 42.7#

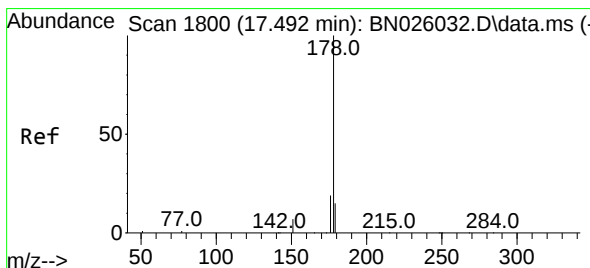
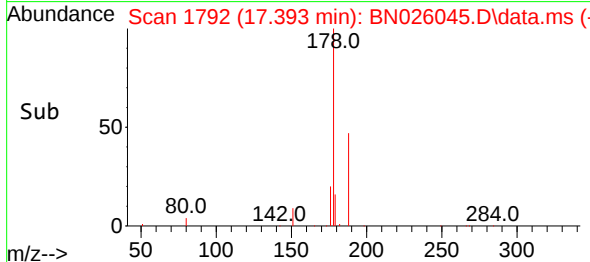
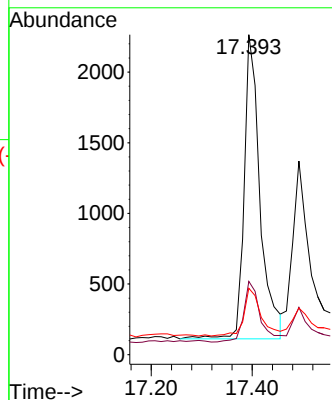
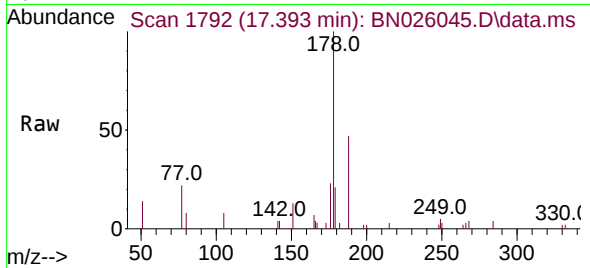




#25
Phenanthrene
Concen: 0.078 ng
RT: 17.393 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

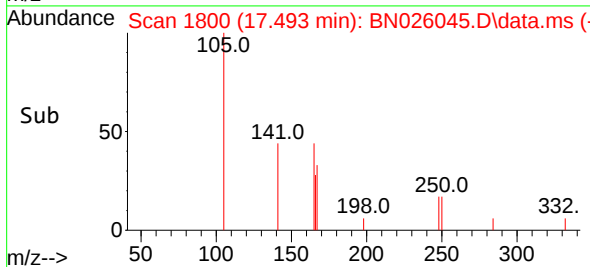
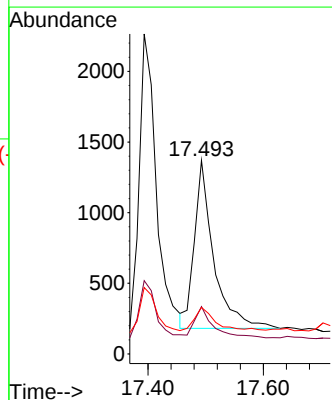
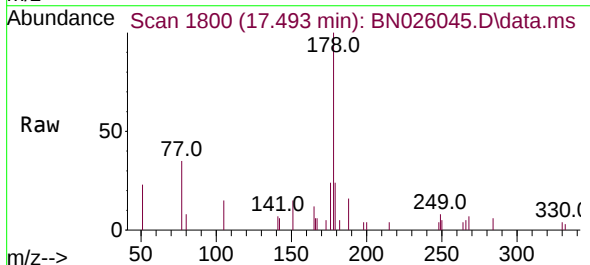
Instrument :
BNA_N
ClientSampleId :
TW-2

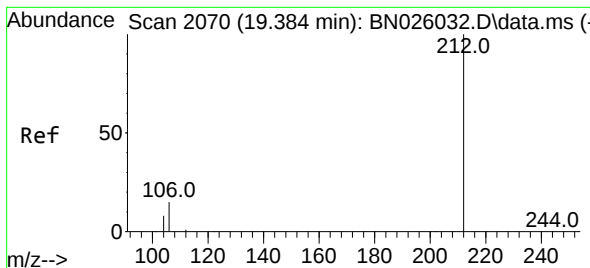
Tgt Ion:178 Resp: 4731
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 16.6 12.3 18.5



#26
Anthracene
Concen: 0.051 ng
RT: 17.493 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

Tgt Ion:178 Resp: 2771
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.4
179 14.6 12.4 18.6





#27

Fluoranthene-d10

Concen: 0.422 ng

RT: 19.384 min Scan# 2070

Delta R.T. 0.000 min

Lab File: BN026045.D

Acq: 27 Jun 2023 20:01

Instrument :

BNA_N

ClientSampleId :

TW-2

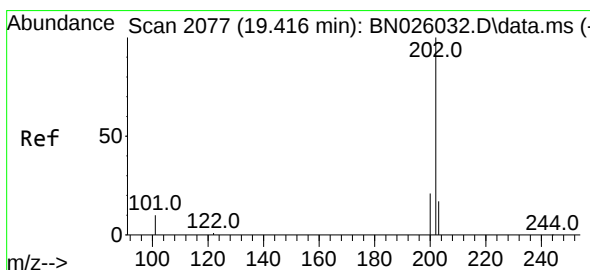
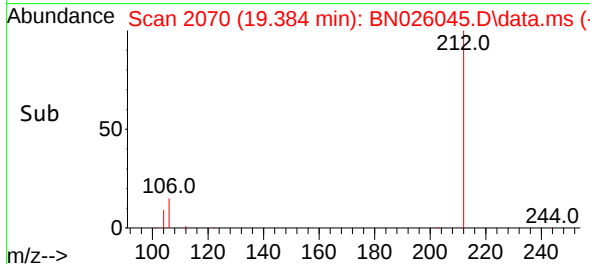
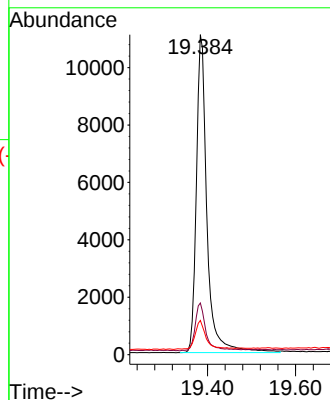
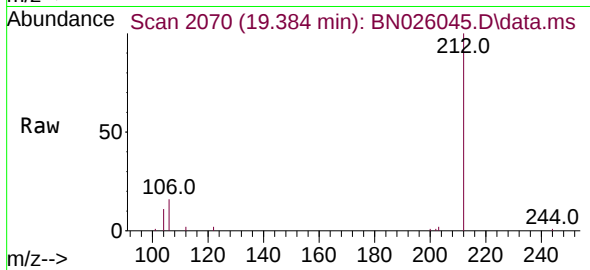
Tgt Ion:212 Resp: 18516

Ion Ratio Lower Upper

212 100

106 15.4 11.6 17.4

104 9.1 7.2 10.8



#28

Fluoranthene

Concen: 0.053 ng

RT: 19.416 min Scan# 2077

Delta R.T. 0.000 min

Lab File: BN026045.D

Acq: 27 Jun 2023 20:01

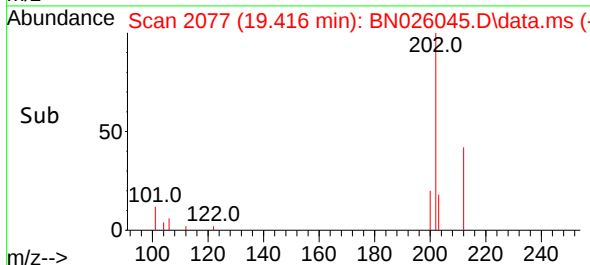
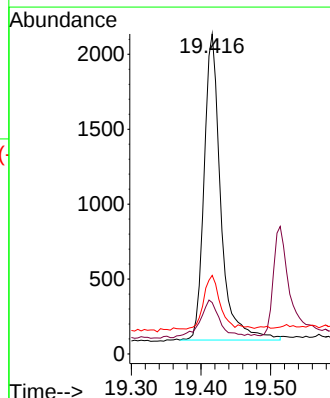
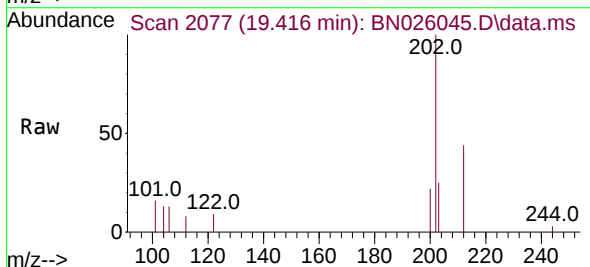
Tgt Ion:202 Resp: 3386

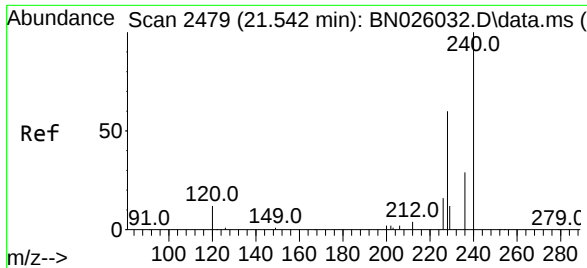
Ion Ratio Lower Upper

202 100

101 14.6 8.3 12.5#

203 17.2 13.5 20.3

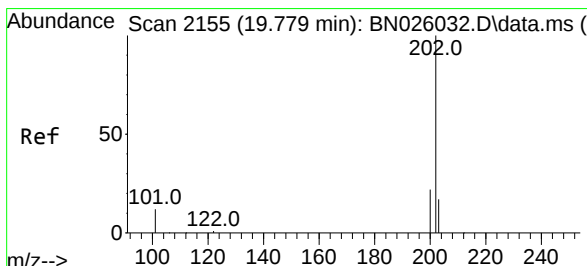
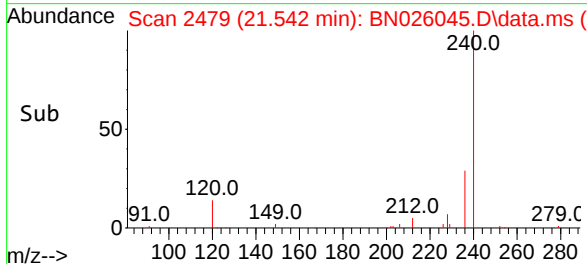
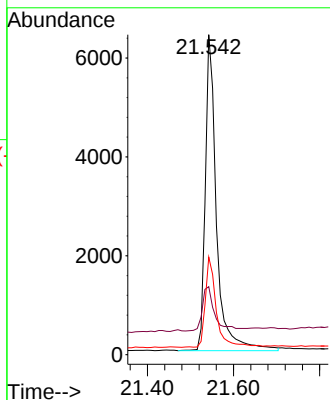
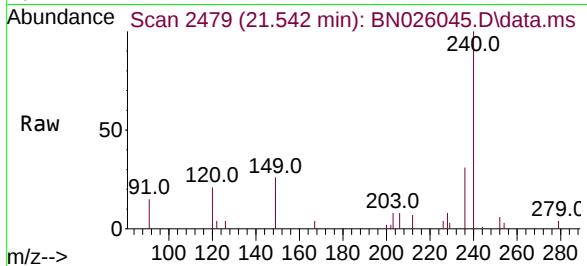




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.542 min Scan# 2479
Delta R.T. 0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

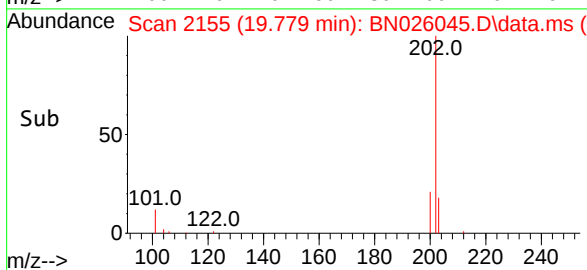
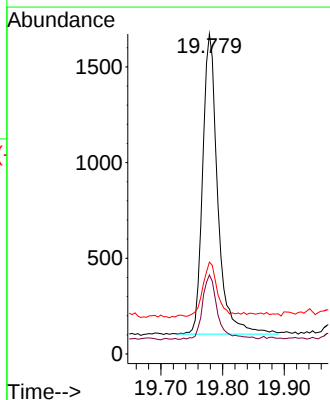
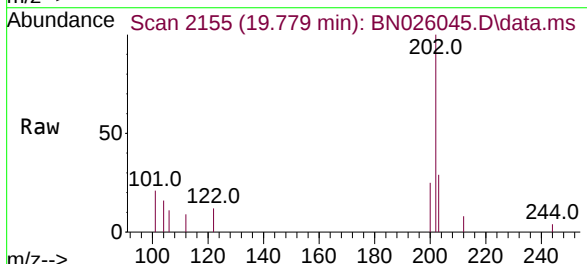
Instrument :
BNA_N
ClientSampleId :
TW-2

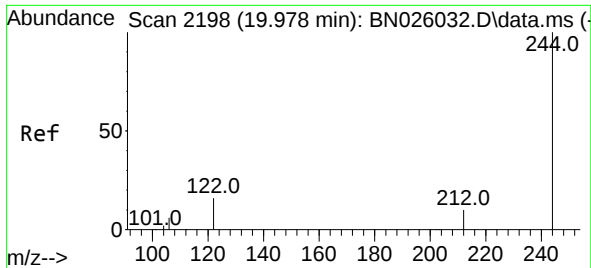
Tgt Ion:240 Resp: 11565
Ion Ratio Lower Upper
240 100
120 21.3 14.6 22.0
236 30.5 24.2 36.2



#30
Pyrene
Concen: 0.042 ng
RT: 19.779 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

Tgt Ion:202 Resp: 2661
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 17.4 14.2 21.4

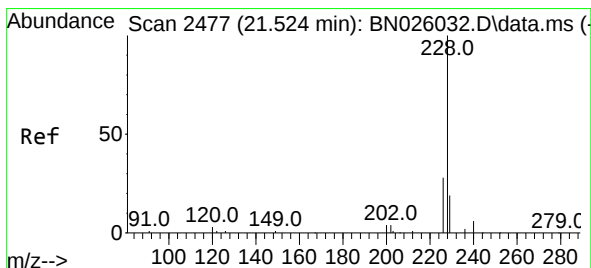
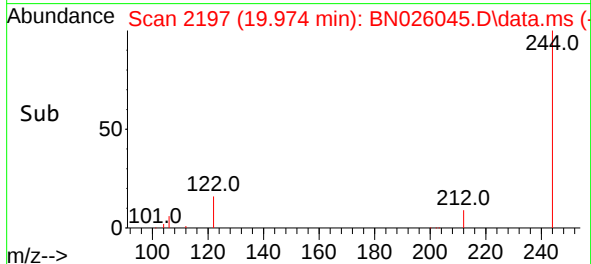
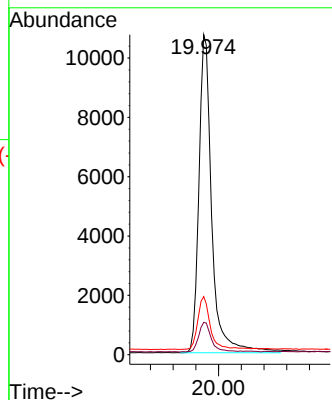
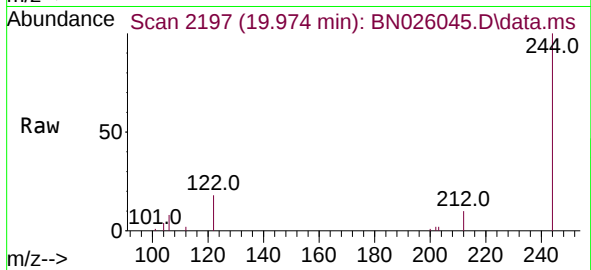




#31
Terphenyl-d14
Concen: 0.568 ng
RT: 19.974 min Scan# 2197
Delta R.T. -0.005 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

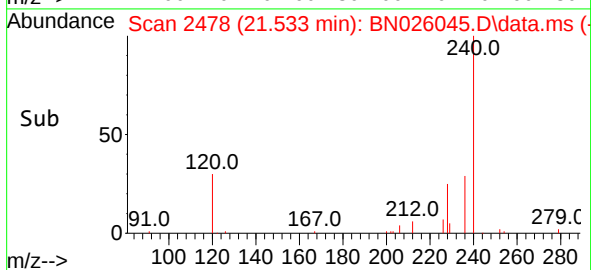
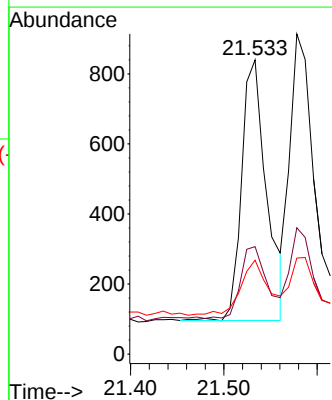
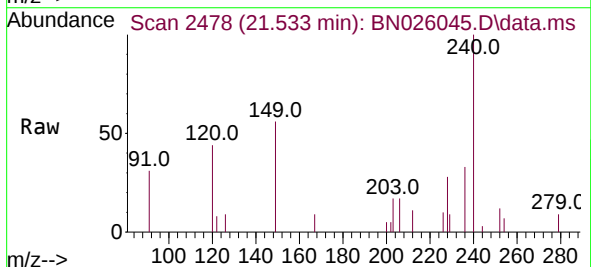
Instrument :
BNA_N
ClientSampleId :
TW-2

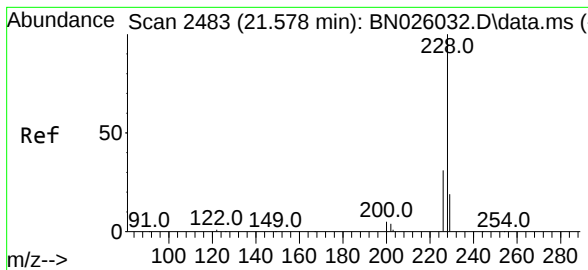
Tgt Ion:244 Resp: 16805
Ion Ratio Lower Upper
244 100
212 10.1 8.7 13.1
122 18.1 13.7 20.5



#32
Benzo(a)anthracene
Concen: 0.033 ng
RT: 21.533 min Scan# 2478
Delta R.T. 0.009 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

Tgt Ion:228 Resp: 1384
Ion Ratio Lower Upper
228 100
226 36.5 23.0 34.6#
229 31.9 15.9 23.9#





#33

Chrysene

Concen: 0.033 ng

RT: 21.578 min Scan# 2483

Delta R.T. 0.000 min

Lab File: BN026045.D

Acq: 27 Jun 2023 20:01

Instrument :

BNA_N

ClientSampleId :

TW-2

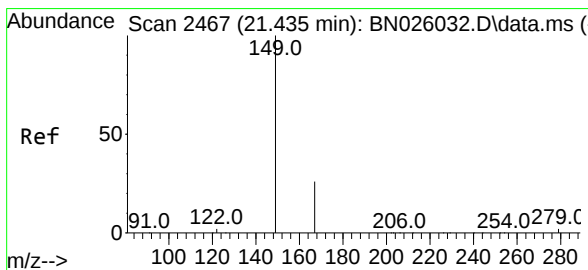
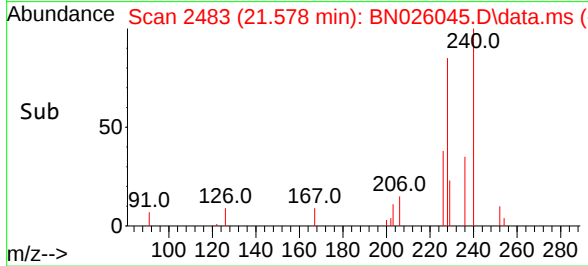
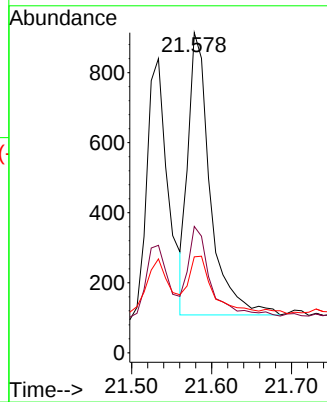
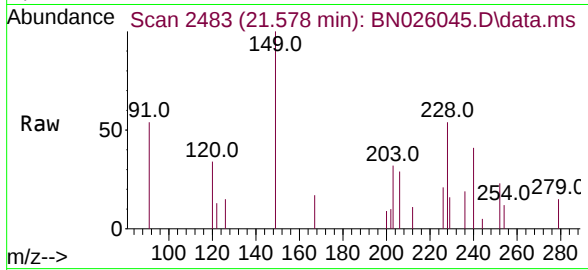
Tgt Ion:228 Resp: 1550

Ion Ratio Lower Upper

228 100

226 39.5 24.8 37.2#

229 30.0 15.6 23.4#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.174 ng

RT: 21.435 min Scan# 2467

Delta R.T. 0.000 min

Lab File: BN026045.D

Acq: 27 Jun 2023 20:01

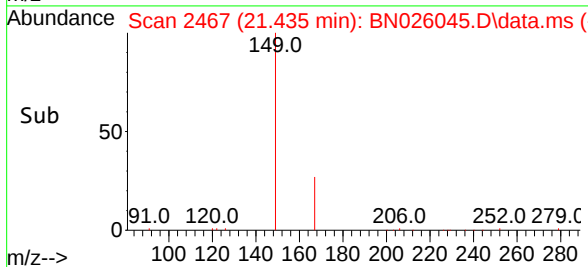
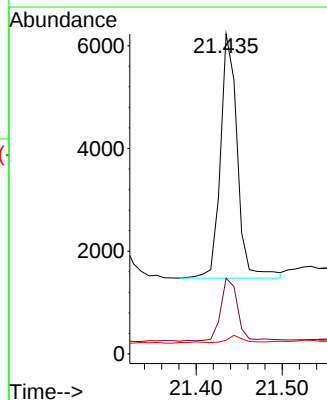
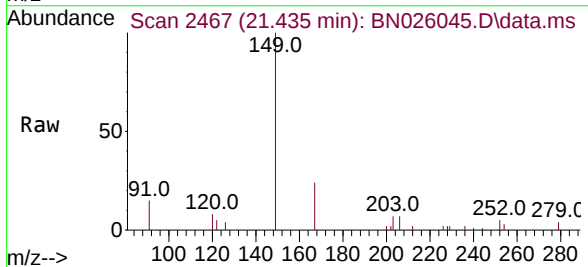
Tgt Ion:149 Resp: 6452

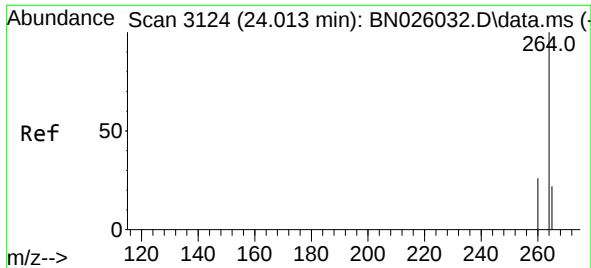
Ion Ratio Lower Upper

149 100

167 26.2 20.2 30.4

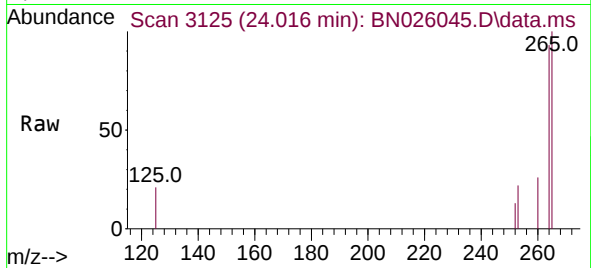
279 2.7 2.4 3.6



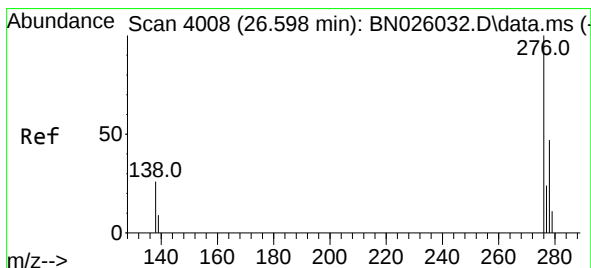
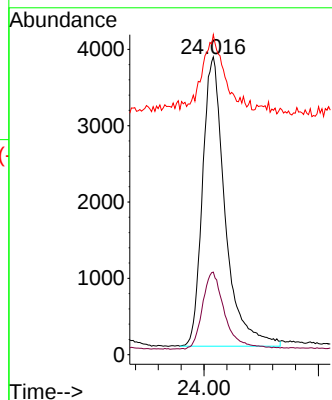
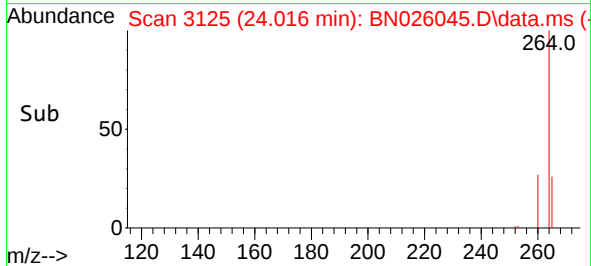


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.016 min Scan# 3124
Delta R.T. 0.003 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

Instrument :
BNA_N
ClientSampleId :
TW-2



Tgt Ion:264 Resp: 10424
Ion Ratio Lower Upper
264 100
260 27.7 21.9 32.9
265 107.5 80.3 120.5



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.034 ng
RT: 26.610 min Scan# 4012
Delta R.T. 0.012 min
Lab File: BN026045.D
Acq: 27 Jun 2023 20:01

Tgt Ion:276 Resp: 1442
Ion Ratio Lower Upper
276 100
138 11.0 21.4 32.2#
277 12.8 19.6 29.4#

