

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082523\
 Data File : BN027129.D
 Acq On : 25 Aug 2023 21:30
 Operator : MA/JU
 Sample : 04024-23
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW4-20230815

Quant Time: Aug 26 02:18:34 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)

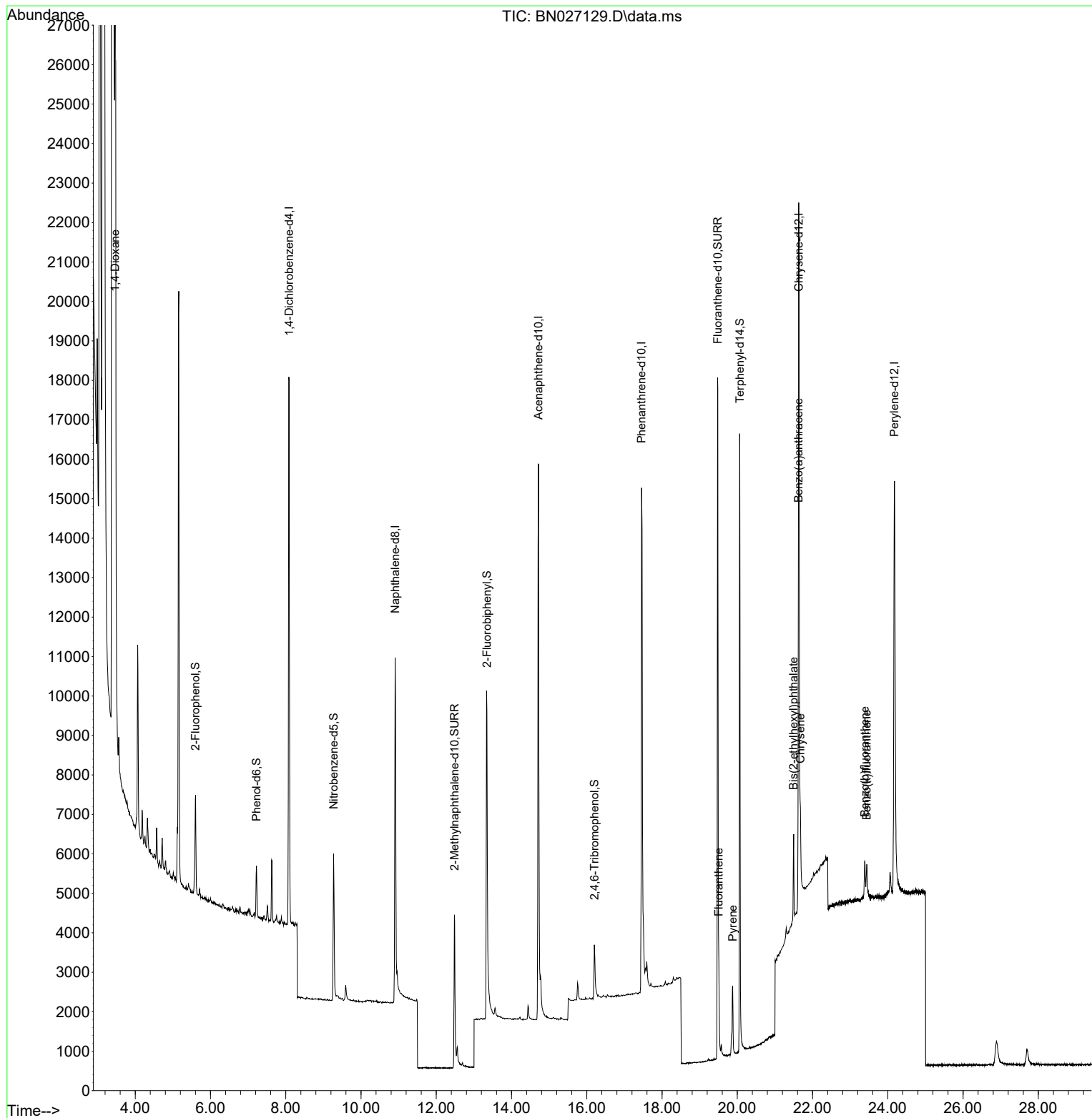
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.088	152	7128	0.400	ng	0.00
7) Naphthalene-d8	10.906	136	14720	0.400	ng	# 0.00
13) Acenaphthene-d10	14.715	164	10348	0.400	ng	0.01
19) Phenanthrene-d10	17.455	188	24302	0.400	ng	# 0.00
29) Chrysene-d12	21.632	240	20614	0.400	ng	# 0.00
35) Perylene-d12	24.177	264	19551	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.603	112	2159	0.107	ng	0.00
5) Phenol-d6	7.221	99	1426	0.057	ng	0.00
8) Nitrobenzene-d5	9.273	82	3484	0.280	ng	0.00
11) 2-Methylnaphthalene-d10	12.483	152	6904	0.295	ng	0.00
14) 2,4,6-Tribromophenol	16.202	330	1029	0.187	ng	0.00
15) 2-Fluorobiphenyl	13.347	172	10444	0.272	ng	0.01
27) Fluoranthene-d10	19.481	212	21125	0.339	ng	0.00
31) Terphenyl-d14	20.067	244	16928	0.393	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.466	88	27115	3.537	ng	96
28) Fluoranthene	19.509	202	1742	0.021	ng	97
30) Pyrene	19.876	202	1740	0.022	ng	97
32) Benzo(a)anthracene	21.623	228	1507	0.020	ng	# 88
33) Chrysene	21.677	228	1676	0.022	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.497	149	2543	0.047	ng	# 94
37) Benzo(b)fluoranthene	23.388	252	1502	0.023	ng	# 1
38) Benzo(k)fluoranthene	23.440	252	1376	0.020	ng	# 1

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

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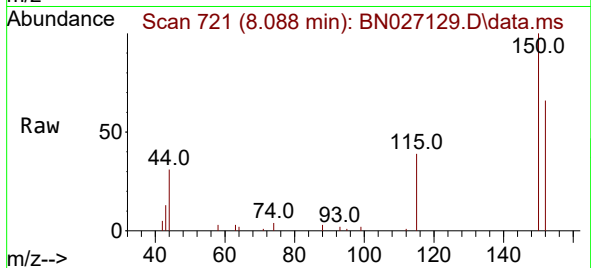
Quant Time: Aug 26 02:18:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 26 02:13:59 2023
Response via : Initial Calibration





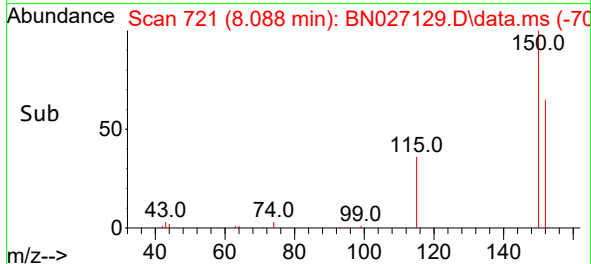
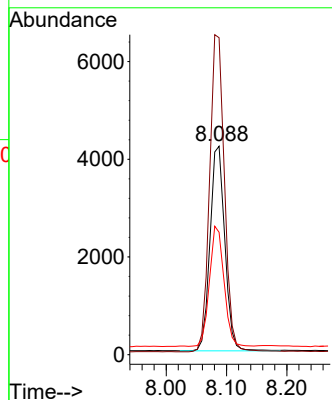
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.088 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BN027129.D
 Acq: 25 Aug 2023 21:30

Instrument :
 BNA_N
 ClientSampleId :
 RW4-20230815



Tgt Ion:152 Resp: 7128

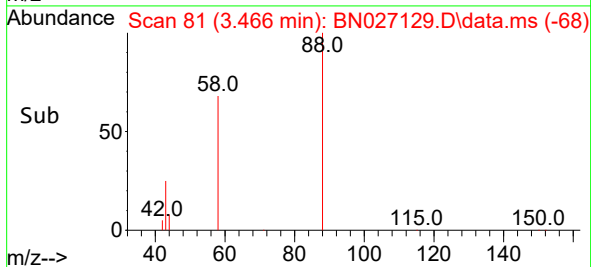
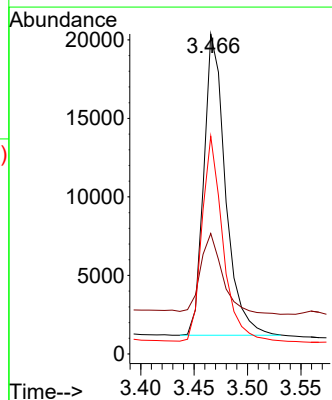
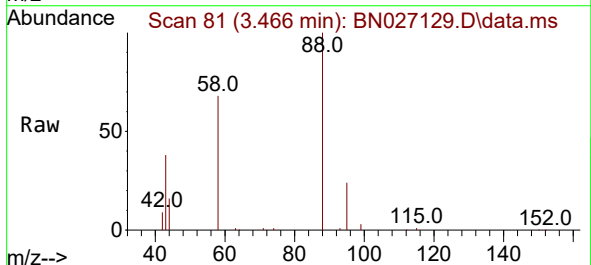
Ion	Ratio	Lower	Upper
152	100		
150	152.0	123.8	185.6
115	58.7	49.7	74.5



#2
 1,4-Dioxane
 Concen: 3.537 ng
 RT: 3.466 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: BN027129.D
 Acq: 25 Aug 2023 21:30

Tgt Ion: 88 Resp: 27115

Ion	Ratio	Lower	Upper
88	100		
43	27.5	19.2	28.8
58	65.5	54.5	81.7

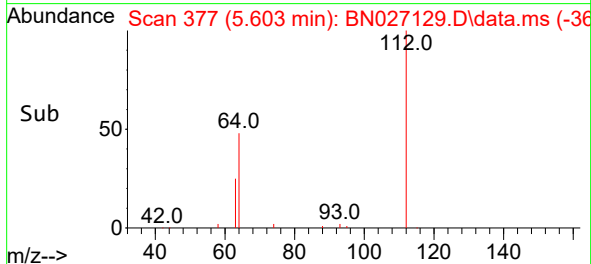
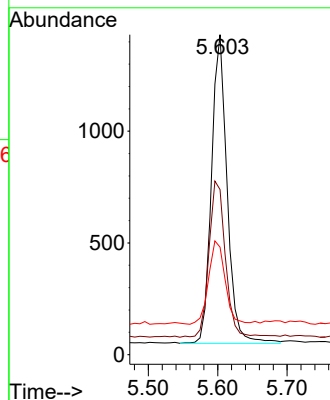
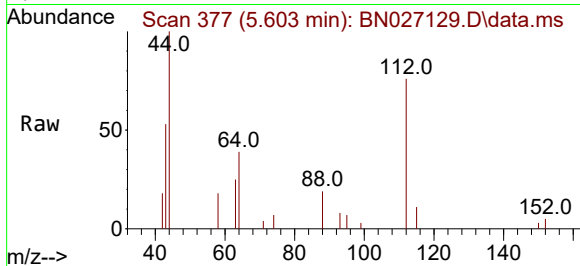




#4
2-Fluorophenol
Concen: 0.107 ng
RT: 5.603 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN027129.D
Acq: 25 Aug 2023 21:30

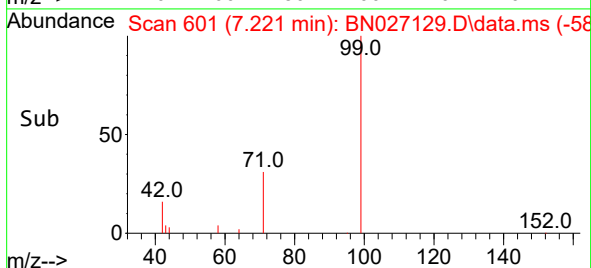
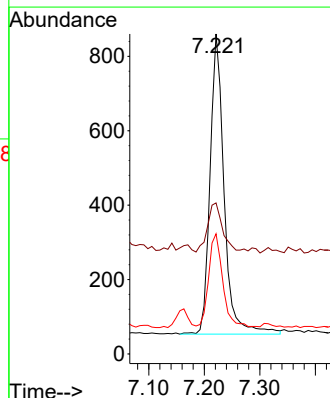
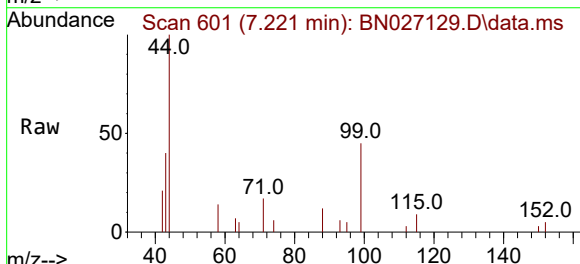
Instrument :
BNA_N
ClientSampleId :
RW4-20230815

Tgt Ion:112 Resp: 2159
Ion Ratio Lower Upper
112 100
64 53.6 41.5 62.3
63 28.6 21.7 32.5



#5
Phenol-d6
Concen: 0.057 ng
RT: 7.221 min Scan# 601
Delta R.T. 0.000 min
Lab File: BN027129.D
Acq: 25 Aug 2023 21:30

Tgt Ion: 99 Resp: 1426
Ion Ratio Lower Upper
99 100
42 17.2 13.6 20.4
71 31.0 26.0 39.0

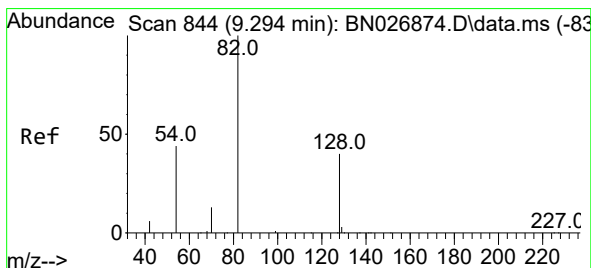
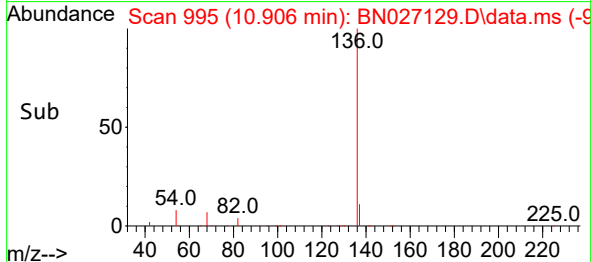
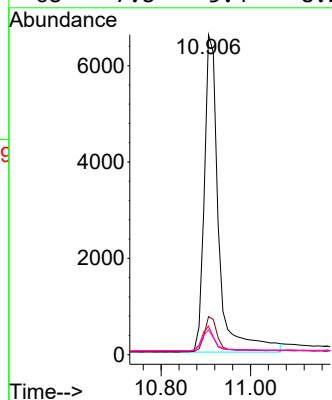
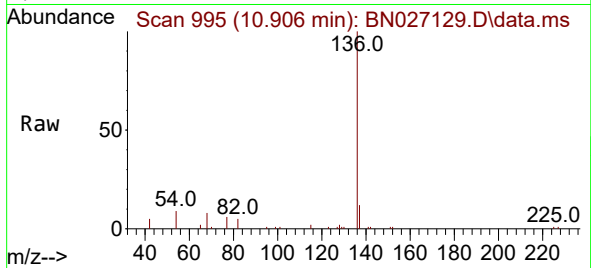




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.906 min Scan# 998
Delta R.T. 0.000 min
Lab File: BN027129.D
Acq: 25 Aug 2023 21:30

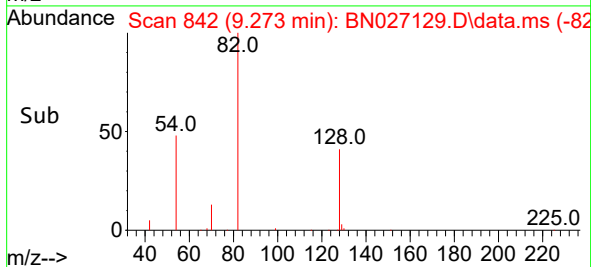
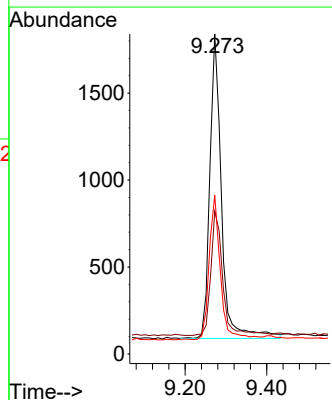
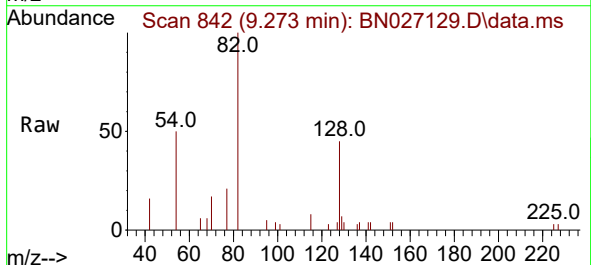
Instrument :
BNA_N
ClientSampleId :
RW4-20230815

Tgt Ion:	136	Resp:	14720
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.0	13.6
54	8.9	5.5	8.3
68	7.8	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.280 ng
RT: 9.273 min Scan# 842
Delta R.T. 0.000 min
Lab File: BN027129.D
Acq: 25 Aug 2023 21:30

Tgt Ion:	82	Resp:	3484
Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.1	51.1
54	49.6	37.0	55.4

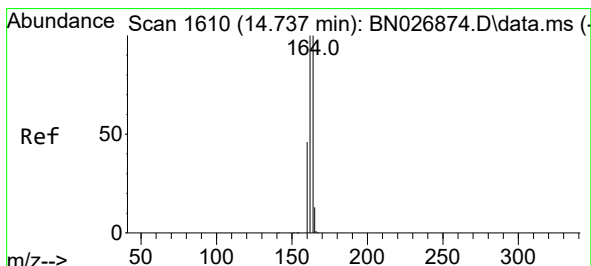
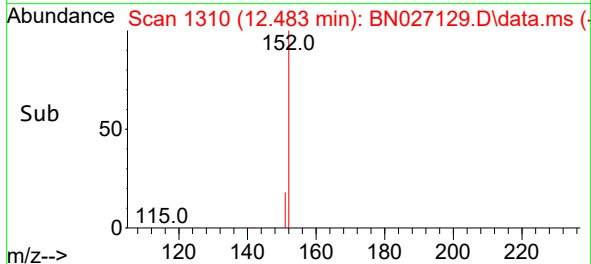
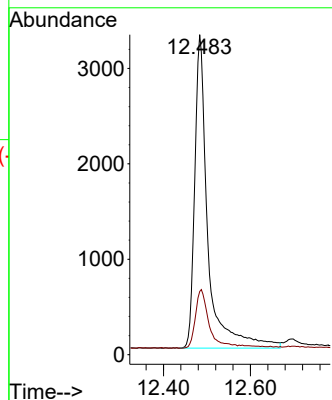
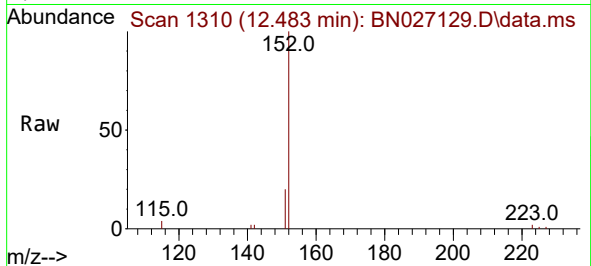




#11
2-Methylnaphthalene-d10
Concen: 0.295 ng
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027129.D
Acq: 25 Aug 2023 21:30

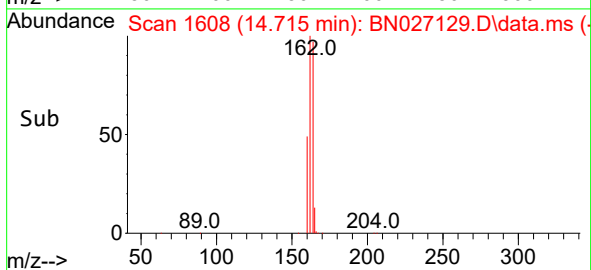
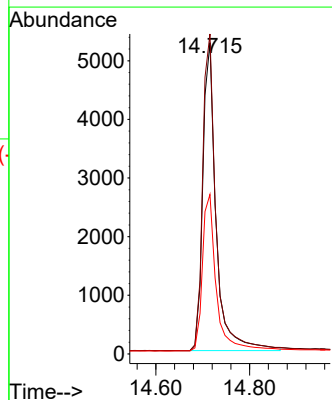
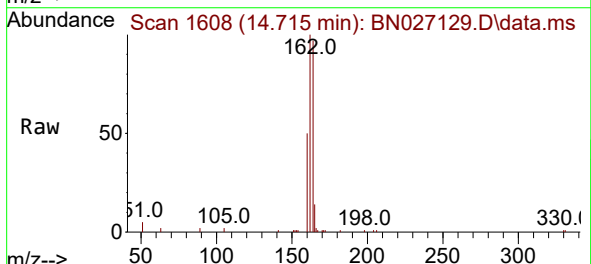
Instrument :
BNA_N
ClientSampleId :
RW4-20230815

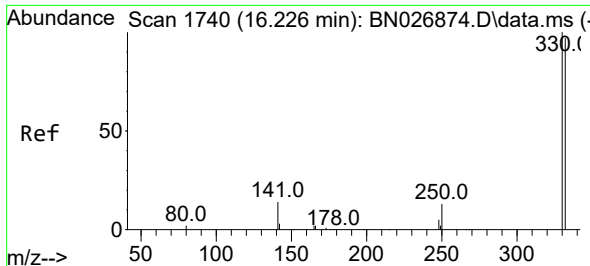
Tgt Ion:152 Resp: 6904
Ion Ratio Lower Upper
152 100
151 19.2 16.3 24.5



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.715 min Scan# 1608
Delta R.T. 0.011 min
Lab File: BN027129.D
Acq: 25 Aug 2023 21:30

Tgt Ion:164 Resp: 10348
Ion Ratio Lower Upper
164 100
162 102.7 79.7 119.5
160 51.2 37.4 56.0

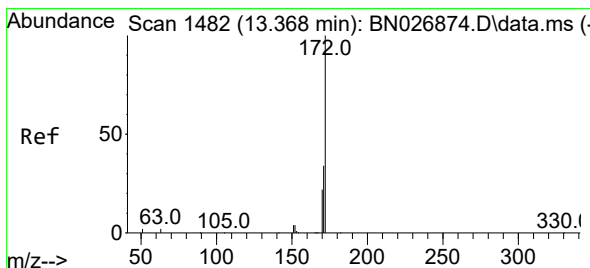
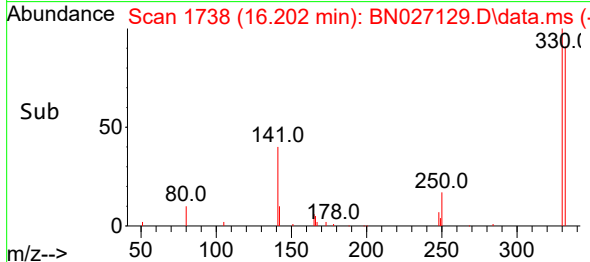
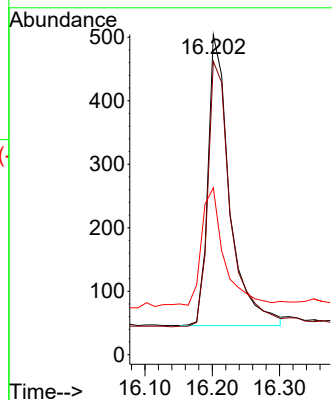
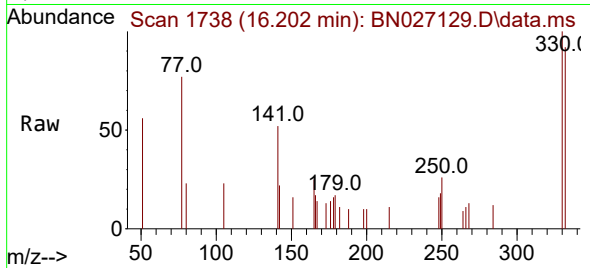




#14
2,4,6-Tribromophenol
Concen: 0.187 ng
RT: 16.202 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027129.D
Acq: 25 Aug 2023 21:30

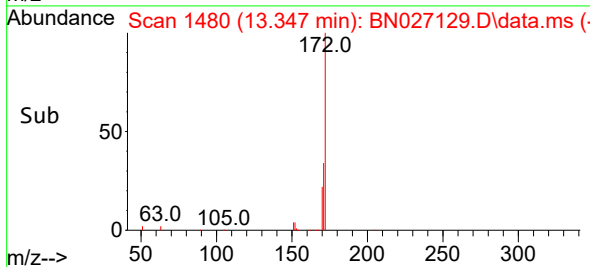
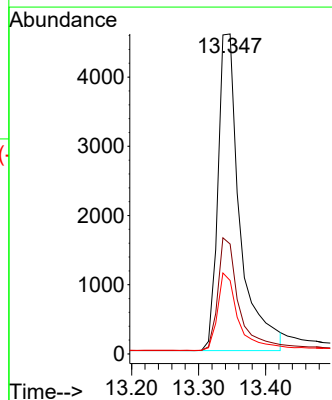
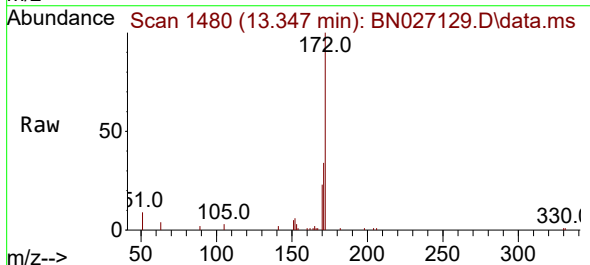
Instrument :
BNA_N
ClientSampleId :
RW4-20230815

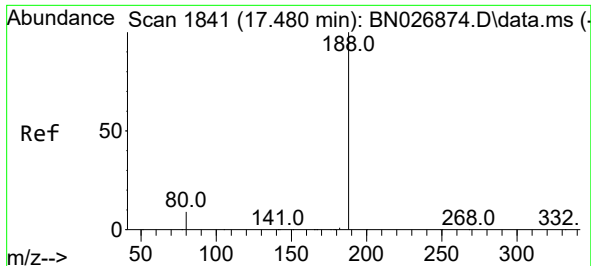
Tgt Ion: 330 Resp: 1029
Ion Ratio Lower Upper
330 100
332 96.8 76.6 114.8
141 40.5 32.3 48.5



#15
2-Fluorobiphenyl
Concen: 0.272 ng
RT: 13.347 min Scan# 1480
Delta R.T. 0.011 min
Lab File: BN027129.D
Acq: 25 Aug 2023 21:30

Tgt Ion: 172 Resp: 10444
Ion Ratio Lower Upper
172 100
171 34.3 27.4 41.0
170 23.0 18.0 27.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.455 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN027129.D

Acq: 25 Aug 2023 21:30

Instrument :

BNA_N

ClientSampleId :

RW4-20230815

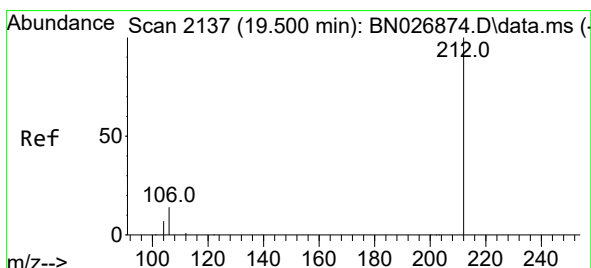
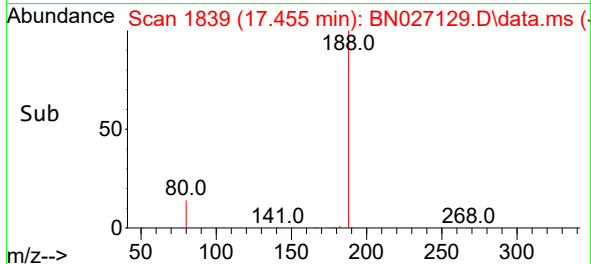
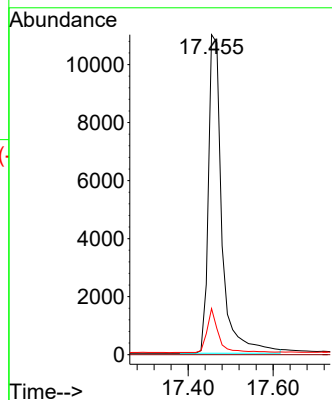
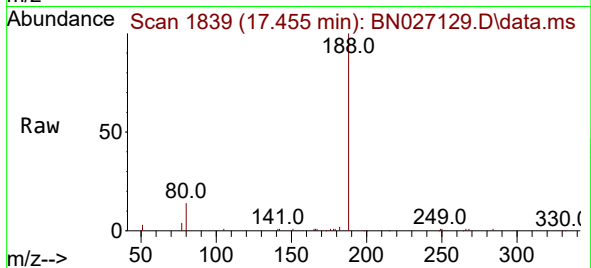
Tgt Ion:188 Resp: 24302

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.4 7.4 11.2#



#27

Fluoranthene-d10

Concen: 0.339 ng

RT: 19.481 min Scan# 2133

Delta R.T. 0.005 min

Lab File: BN027129.D

Acq: 25 Aug 2023 21:30

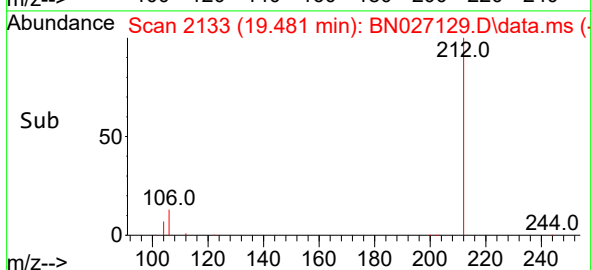
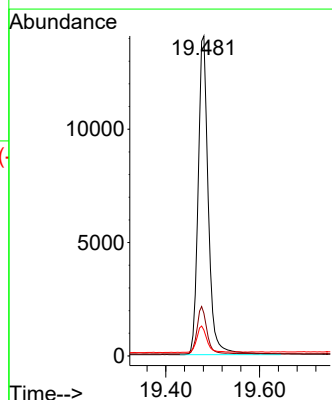
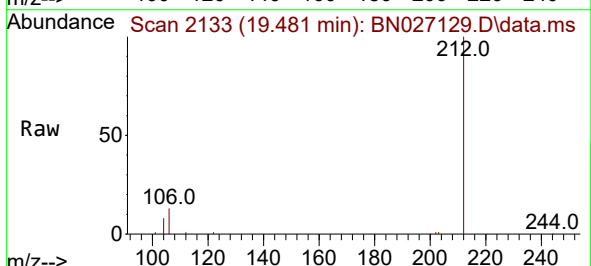
Tgt Ion:212 Resp: 21125

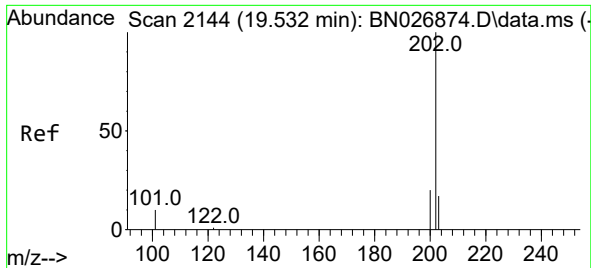
Ion Ratio Lower Upper

212 100

106 14.6 10.9 16.3

104 8.3 5.9 8.9

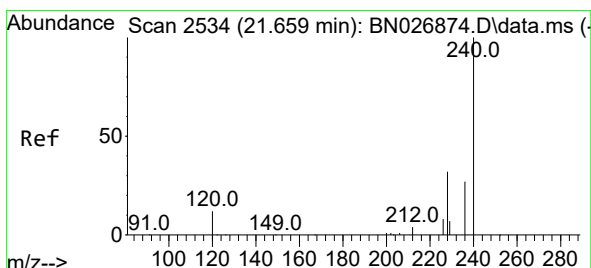
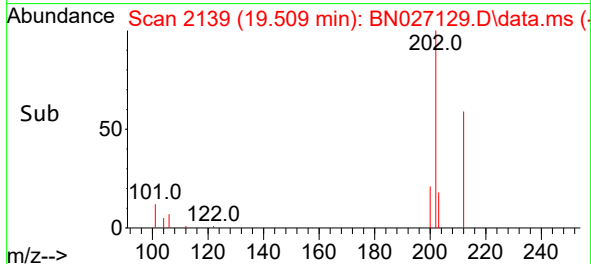
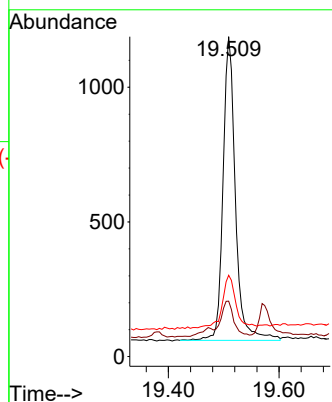
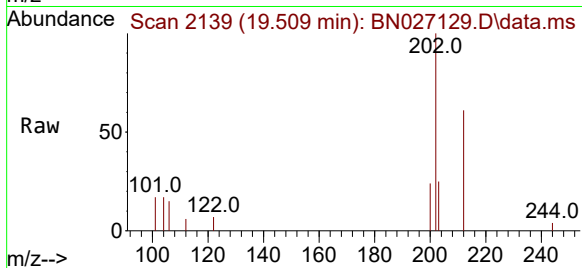




#28
Fluoranthene
Concen: 0.021 ng
RT: 19.509 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BN027129.D
Acq: 25 Aug 2023 21:30

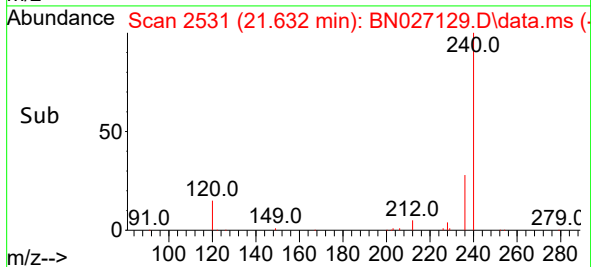
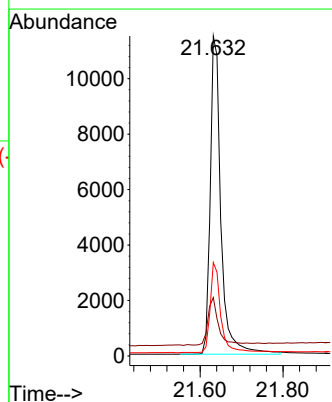
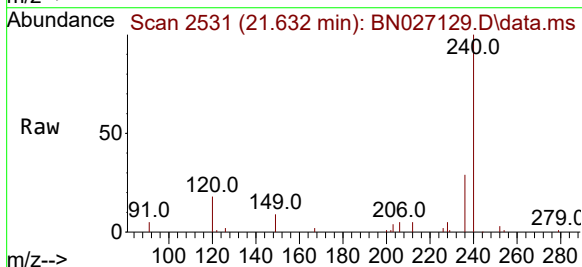
Instrument :
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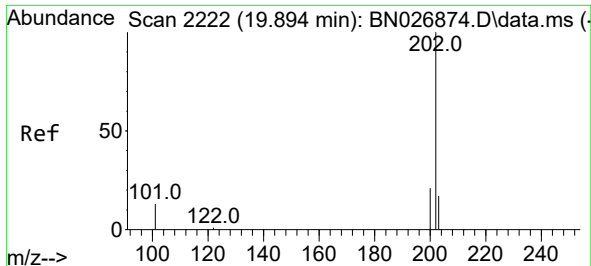
Tgt Ion:202 Resp: 1742
Ion Ratio Lower Upper
202 100
101 11.4 8.9 13.3
203 18.8 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.632 min Scan# 2531
Delta R.T. 0.000 min
Lab File: BN027129.D
Acq: 25 Aug 2023 21:30

Tgt Ion:240 Resp: 20614
Ion Ratio Lower Upper
240 100
120 18.2 11.1 16.7#
236 29.2 22.2 33.2

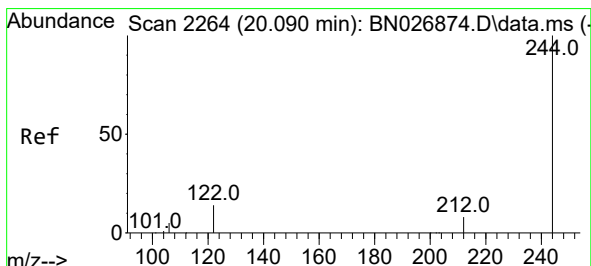
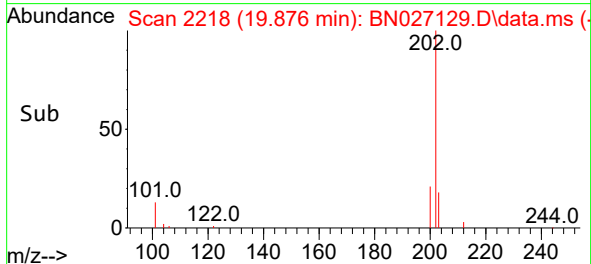
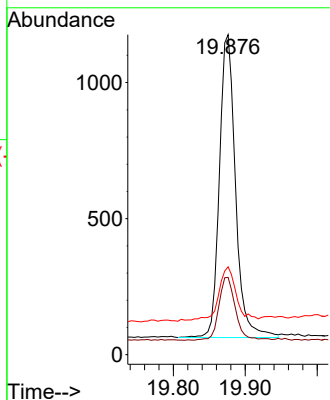
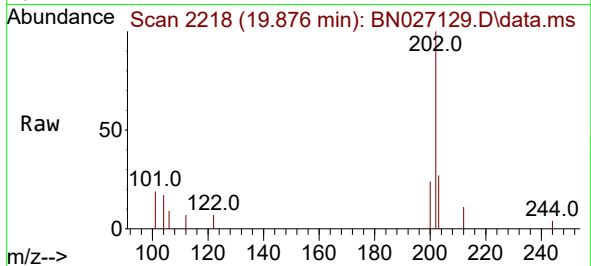




#30
Pyrene
Concen: 0.022 ng
RT: 19.876 min Scan# 21
Delta R.T. 0.005 min
Lab File: BN027129.D
Acq: 25 Aug 2023 21:30

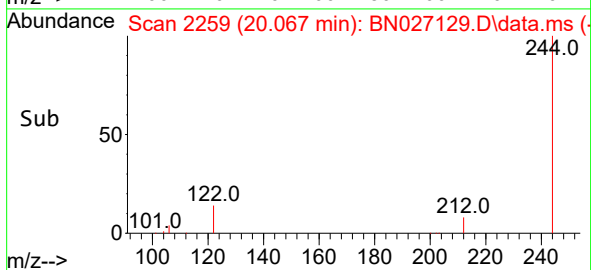
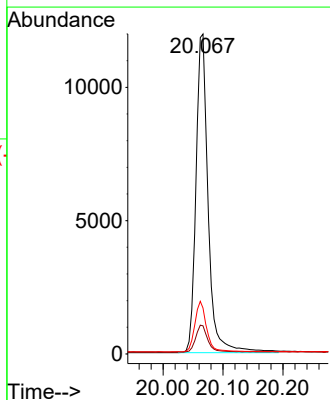
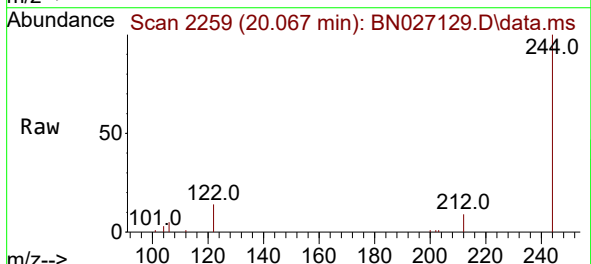
Instrument :
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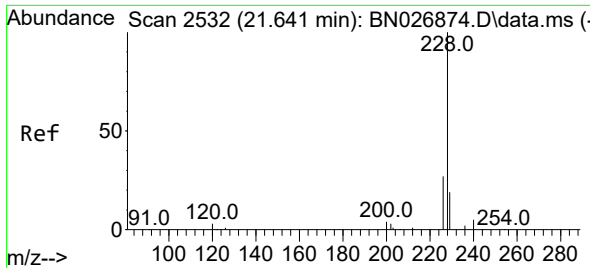
Tgt Ion:202 Resp: 1740
Ion Ratio Lower Upper
202 100
200 21.4 16.6 25.0
203 20.1 14.4 21.6



#31
Terphenyl-d14
Concen: 0.393 ng
RT: 20.067 min Scan# 2259
Delta R.T. 0.005 min
Lab File: BN027129.D
Acq: 25 Aug 2023 21:30

Tgt Ion:244 Resp: 16928
Ion Ratio Lower Upper
244 100
212 8.8 6.9 10.3
122 14.3 11.9 17.9

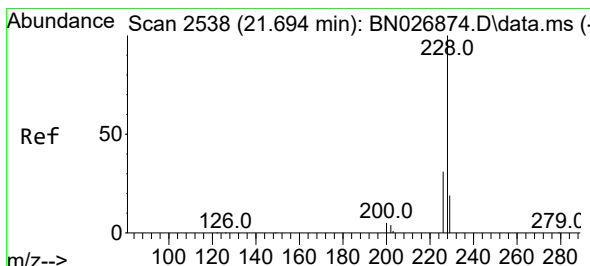
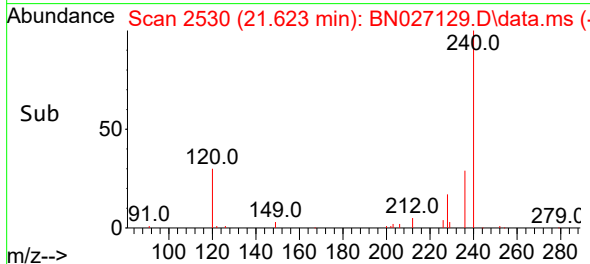
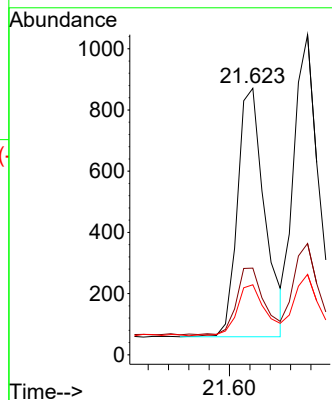
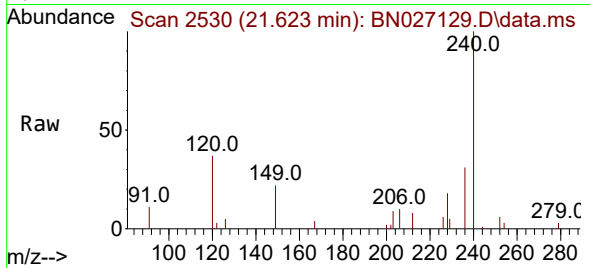




#32
Benzo(a)anthracene
Concen: 0.020 ng
RT: 21.623 min Scan# 2162
Delta R.T. 0.009 min
Lab File: BN027129.D
Acq: 25 Aug 2023 21:30

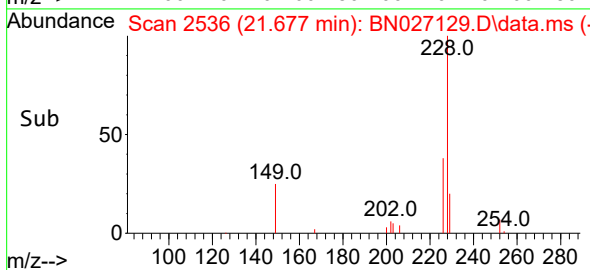
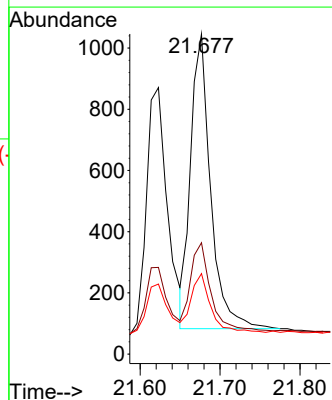
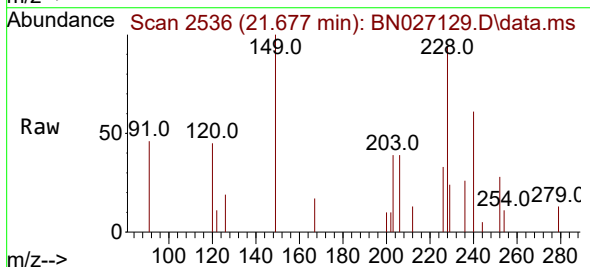
Instrument :
BNA_N
ClientSampleId :
RW4-20230815

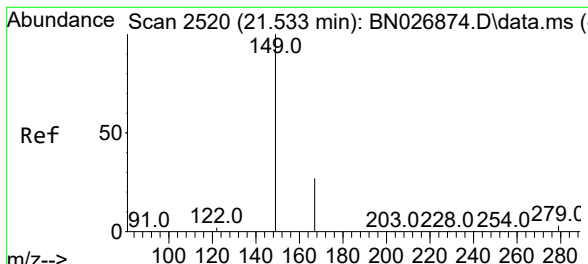
Tgt Ion:228 Resp: 1507
Ion Ratio Lower Upper
228 100
226 32.5 22.1 33.1
229 26.3 15.5 23.3#



#33
Chrysene
Concen: 0.022 ng
RT: 21.677 min Scan# 2536
Delta R.T. 0.009 min
Lab File: BN027129.D
Acq: 25 Aug 2023 21:30

Tgt Ion:228 Resp: 1676
Ion Ratio Lower Upper
228 100
226 34.8 24.6 37.0
229 25.1 15.5 23.3#

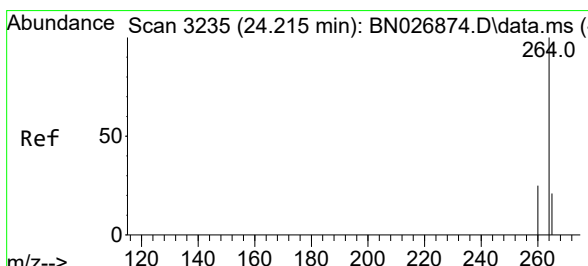
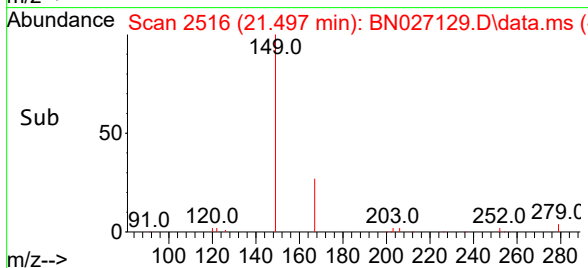
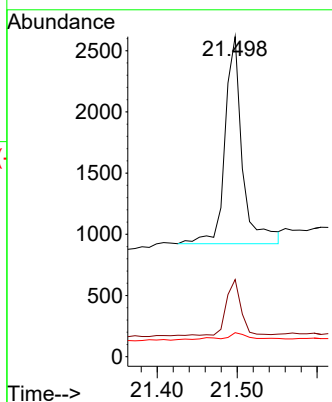
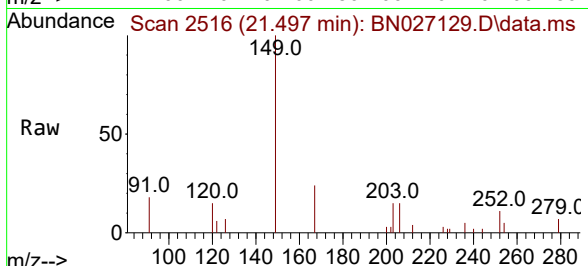




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.047 ng
 RT: 21.497 min Scan# 2149
 Delta R.T. 0.000 min
 Lab File: BN027129.D
 Acq: 25 Aug 2023 21:30

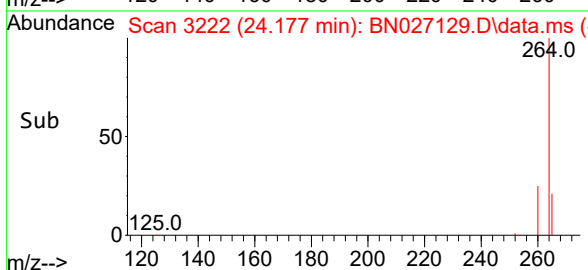
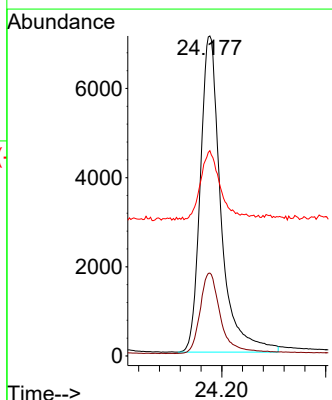
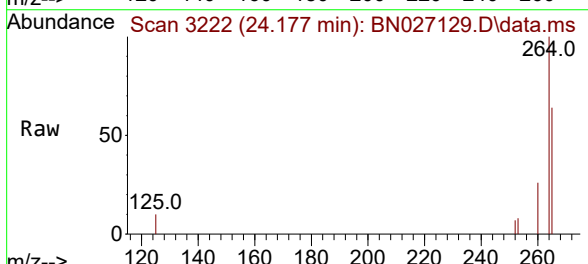
Instrument :
 BNA_N
 ClientSampleId :
 RW4-20230815

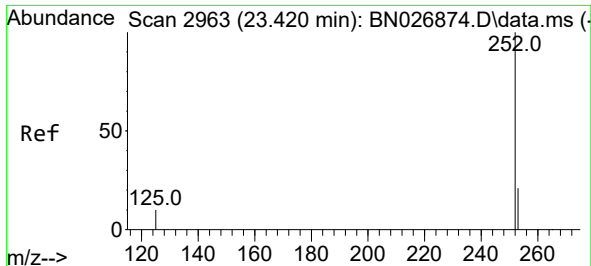
Tgt Ion:	149	Resp:	2543
Ion Ratio	Lower	Upper	
149	100		
167	23.5	21.4	32.0
279	6.5	3.6	5.4#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.177 min Scan# 3222
 Delta R.T. 0.006 min
 Lab File: BN027129.D
 Acq: 25 Aug 2023 21:30

Tgt Ion:	264	Resp:	19551
Ion Ratio	Lower	Upper	
264	100		
260	25.9	20.4	30.6
265	64.2	27.0	40.6#





#37

Benzo(b)fluoranthene

Concen: 0.023 ng

RT: 23.388 min Scan# 2952

Delta R.T. 0.009 min

Lab File: BN027129.D

Acq: 25 Aug 2023 21:30

Instrument :

BNA_N

ClientSampleId :

RW4-20230815

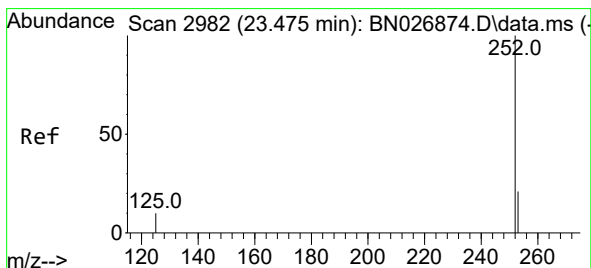
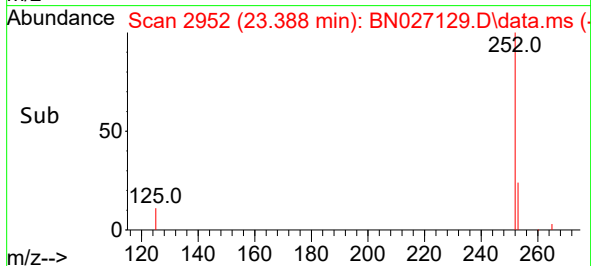
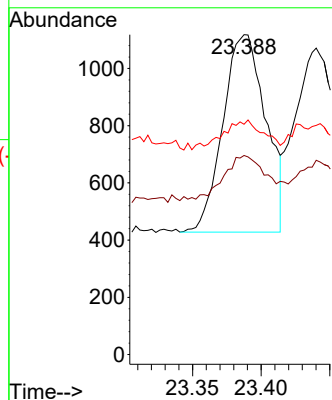
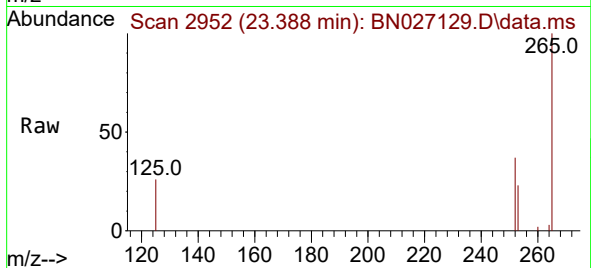
Tgt Ion:252 Resp: 1502

Ion Ratio Lower Upper

252 100

253 62.3 18.4 27.6#

125 72.0 10.2 15.2#



#38

Benzo(k)fluoranthene

Concen: 0.020 ng

RT: 23.440 min Scan# 2970

Delta R.T. 0.009 min

Lab File: BN027129.D

Acq: 25 Aug 2023 21:30

Tgt Ion:252 Resp: 1376

Ion Ratio Lower Upper

252 100

253 63.4 18.4 27.6#

125 74.8 10.2 15.2#

