

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082523\
 Data File : BN027137.D
 Acq On : 26 Aug 2023 02:31
 Operator : MA/JU
 Sample : 04025-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP06-20230814

Quant Time: Aug 26 04:02:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 26 02:13:59 2023
 Response via : Initial Calibration

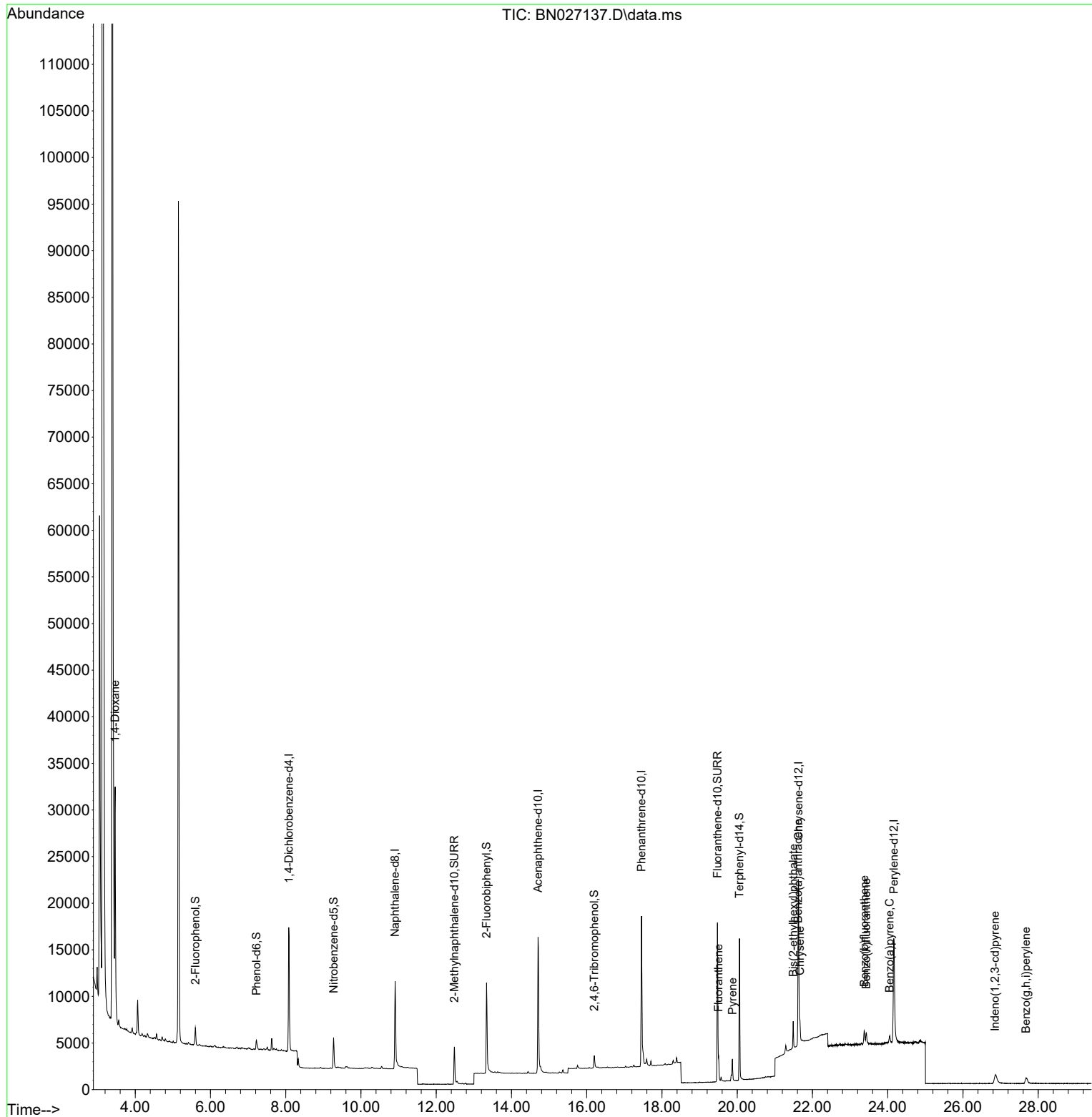
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	6641	0.400	ng	0.00
7) Naphthalene-d8	10.906	136	15107	0.400	ng	# 0.00
13) Acenaphthene-d10	14.705	164	10234	0.400	ng	0.00
19) Phenanthrene-d10	17.455	188	24331	0.400	ng	# 0.00
29) Chrysene-d12	21.632	240	20429	0.400	ng	0.00
35) Perylene-d12	24.162	264	20187	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.603	112	1606	0.086	ng	0.00
5) Phenol-d6	7.221	99	1051	0.045	ng	0.00
8) Nitrobenzene-d5	9.273	82	2962	0.232	ng	0.00
11) 2-Methylnaphthalene-d10	12.483	152	6674	0.278	ng	0.00
14) 2,4,6-Tribromophenol	16.202	330	953	0.175	ng	0.00
15) 2-Fluorobiphenyl	13.336	172	9968	0.262	ng	0.00
27) Fluoranthene-d10	19.477	212	20275	0.325	ng	0.00
31) Terphenyl-d14	20.062	244	15567	0.365	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.466	88	17326	2.426	ng	96
28) Fluoranthene	19.504	202	2098	0.025	ng	# 91
30) Pyrene	19.871	202	2128	0.027	ng	99
32) Benzo(a)anthracene	21.614	228	1793	0.024	ng	# 90
33) Chrysene	21.668	228	2022	0.027	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.489	149	2940	0.055	ng	95
36) Indeno(1,2,3-cd)pyrene	26.849	276	1894	0.023	ng	# 87
37) Benzo(b)fluoranthene	23.376	252	2064	0.031	ng	# 23
38) Benzo(k)fluoranthene	23.429	252	1790	0.026	ng	# 11
39) Benzo(a)pyrene	24.048	252	1402	0.021	ng	# 1
41) Benzo(g,h,i)perylene	27.677	276	1783	0.025	ng	# 61

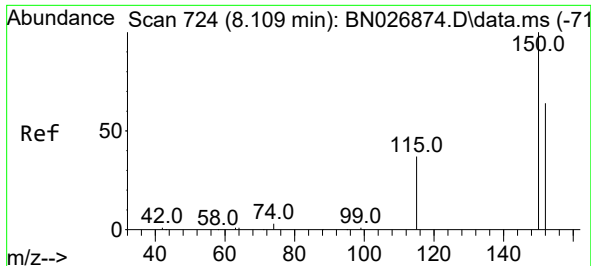
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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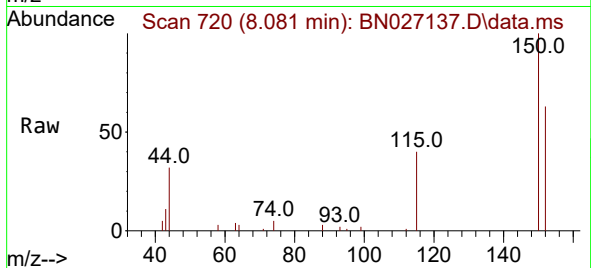
Quant Time: Aug 26 04:02:00 2023
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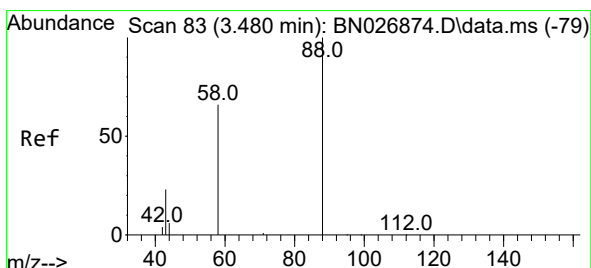
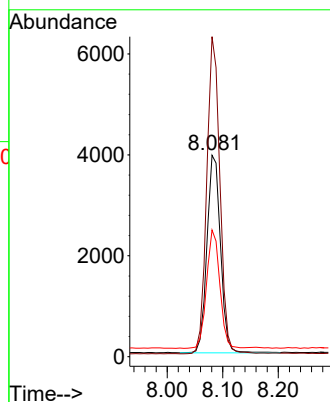
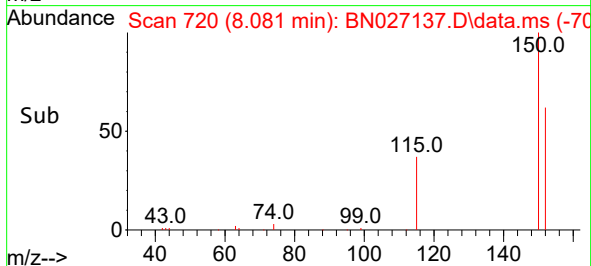


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.081 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: BN027137.D
 Acq: 26 Aug 2023 02:31

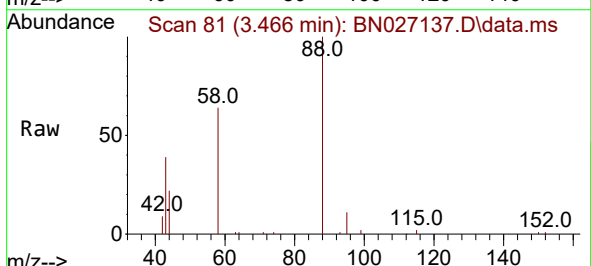
Instrument :
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 ClientSampleId :
 DUP06-20230814



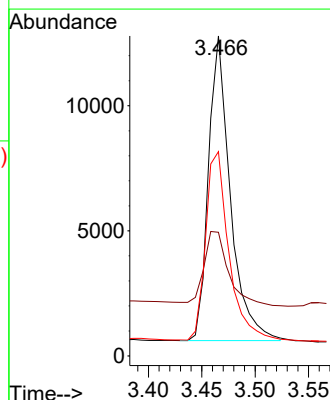
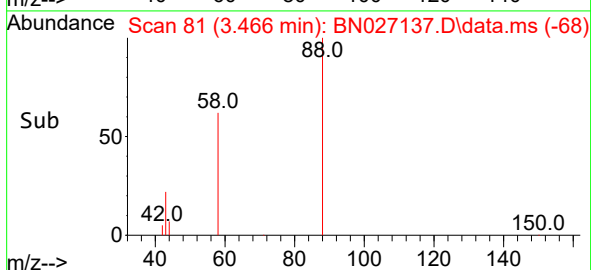
Tgt Ion:152 Resp: 6641
 Ion Ratio Lower Upper
 152 100
 150 158.8 123.8 185.6
 115 62.9 49.7 74.5

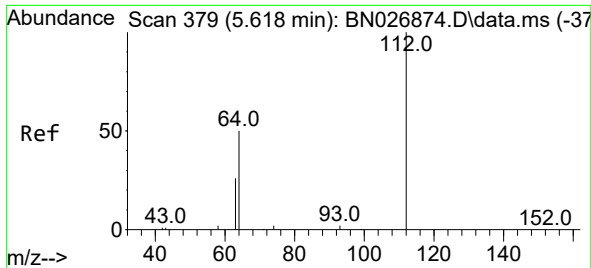


#2
 1,4-Dioxane
 Concen: 2.426 ng
 RT: 3.466 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: BN027137.D
 Acq: 26 Aug 2023 02:31



Tgt Ion: 88 Resp: 17326
 Ion Ratio Lower Upper
 88 100
 43 27.7 19.2 28.8
 58 65.6 54.5 81.7

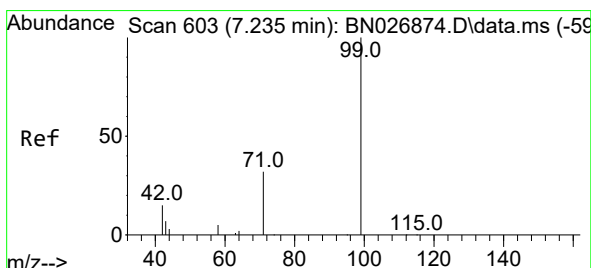
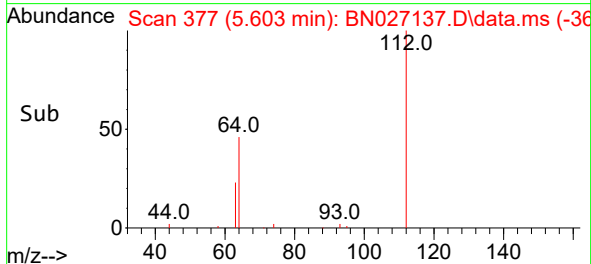
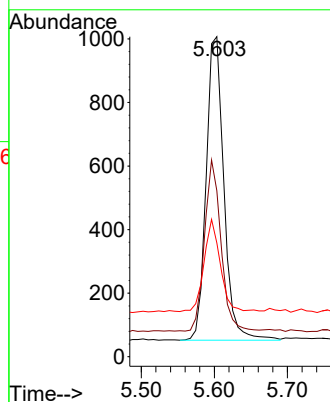
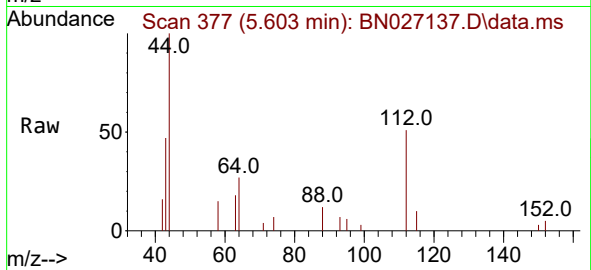




#4
2-Fluorophenol
Concen: 0.086 ng
RT: 5.603 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

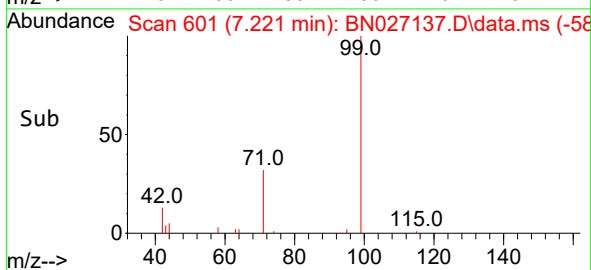
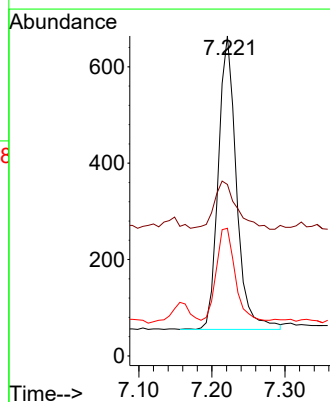
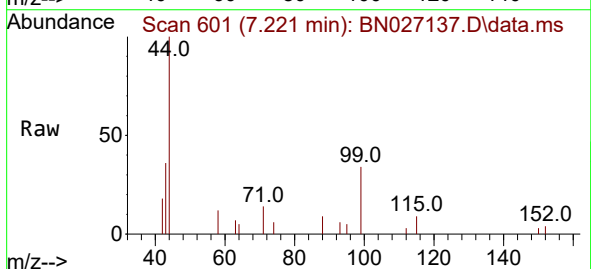
Instrument :
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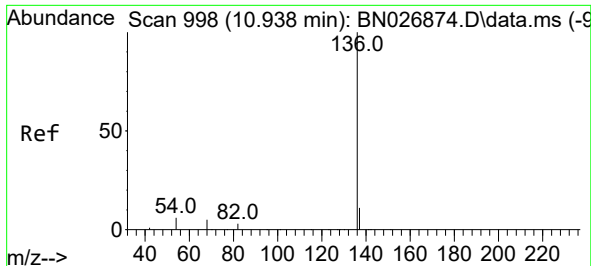
Tgt Ion:112 Resp: 1606
Ion Ratio Lower Upper
112 100
64 52.3 41.5 62.3
63 28.0 21.7 32.5



#5
Phenol-d6
Concen: 0.045 ng
RT: 7.221 min Scan# 601
Delta R.T. 0.000 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

Tgt Ion: 99 Resp: 1051
Ion Ratio Lower Upper
99 100
42 20.3 13.6 20.4
71 32.4 26.0 39.0

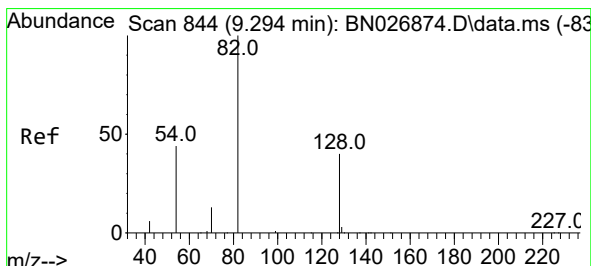
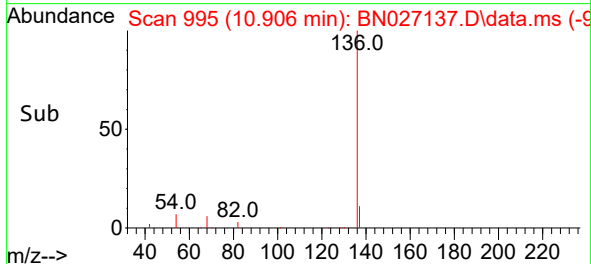
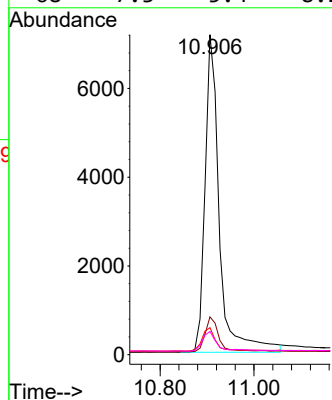
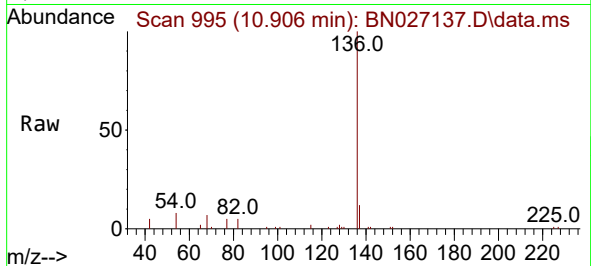




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.906 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

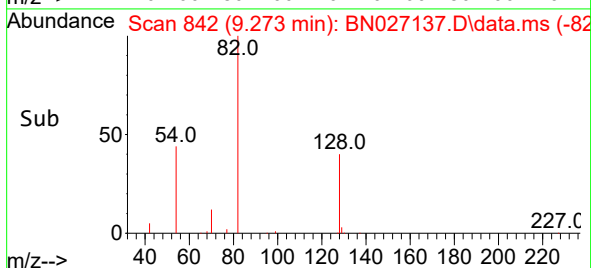
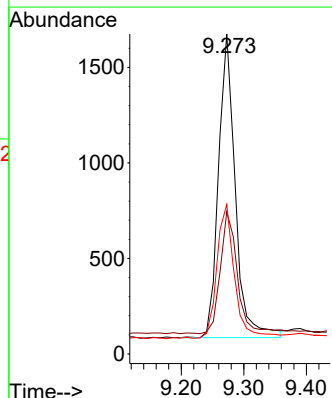
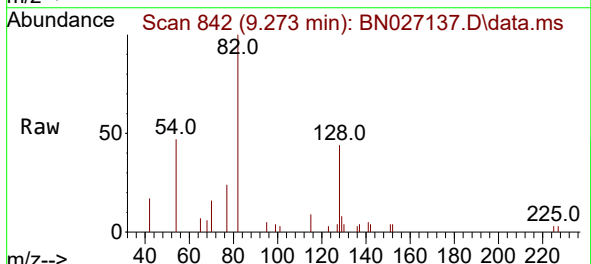
Instrument :
BNA_N
ClientSampleId :
DUP06-20230814

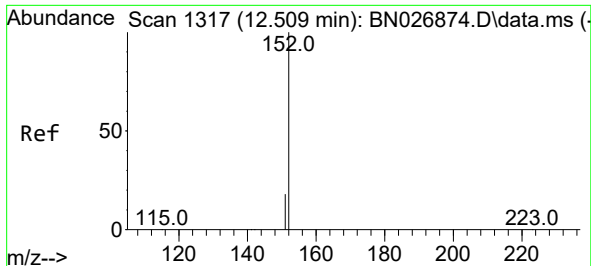
Tgt Ion:	136	Resp:	15107
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.0	13.6
54	8.5	5.5	8.3
68	7.3	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.232 ng
RT: 9.273 min Scan# 842
Delta R.T. 0.000 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

Tgt Ion:	82	Resp:	2962
Ion Ratio	Lower	Upper	
82	100		
128	44.5	34.1	51.1
54	46.7	37.0	55.4

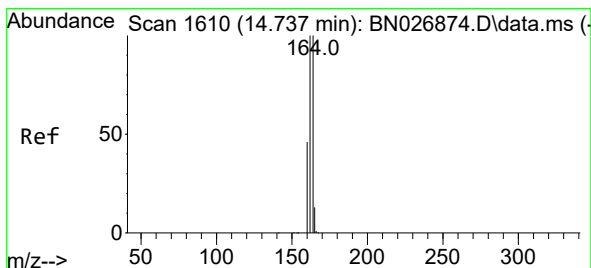
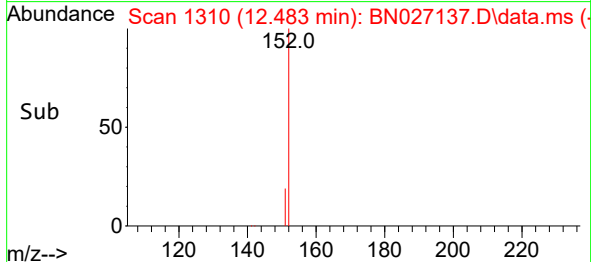
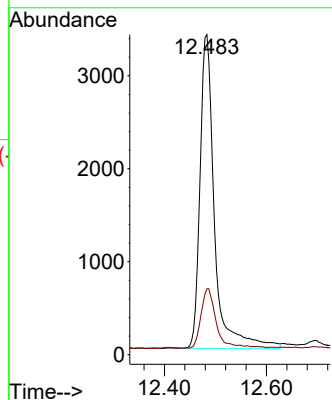
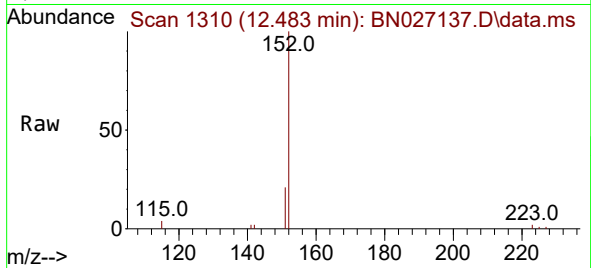




#11
2-Methylnaphthalene-d10
Concen: 0.278 ng
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

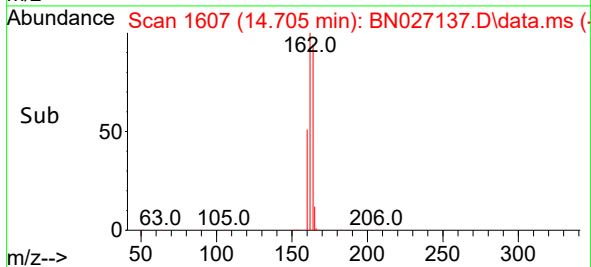
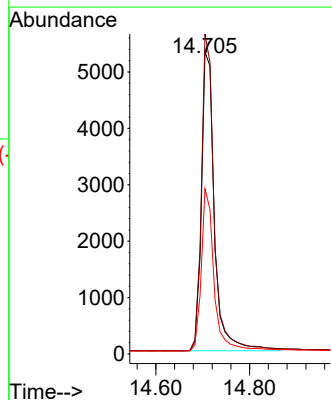
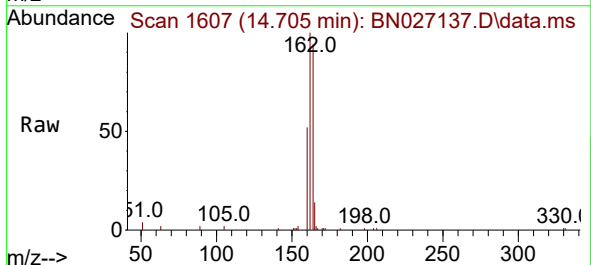
Instrument :
BNA_N
ClientSampleId :
DUP06-20230814

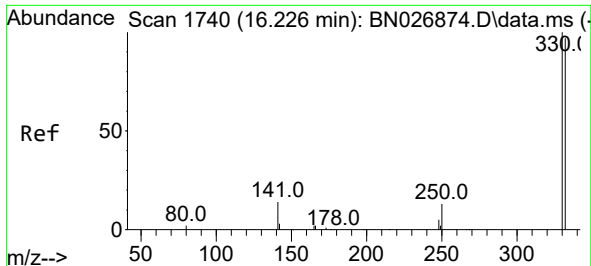
Tgt Ion:152 Resp: 6674
Ion Ratio Lower Upper
152 100
151 19.1 16.3 24.5



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.705 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

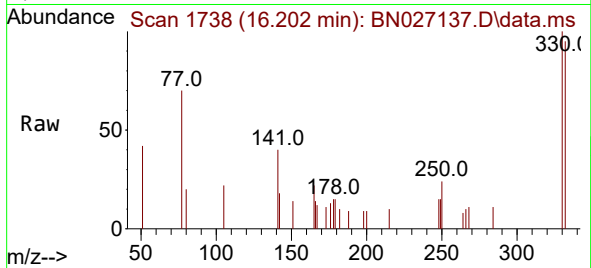
Tgt Ion:164 Resp: 10234
Ion Ratio Lower Upper
164 100
162 106.0 79.7 119.5
160 54.7 37.4 56.0



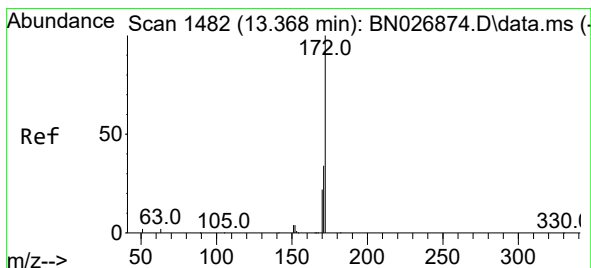
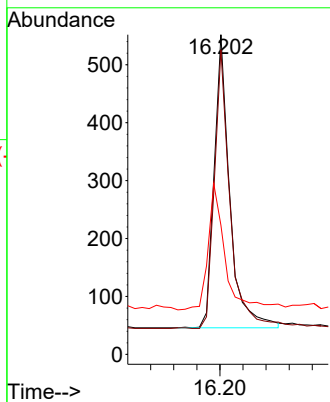
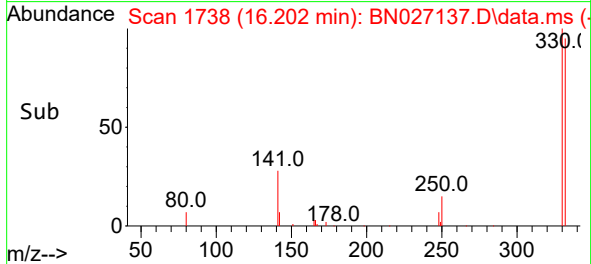


#14
2,4,6-Tribromophenol
Concen: 0.175 ng
RT: 16.202 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

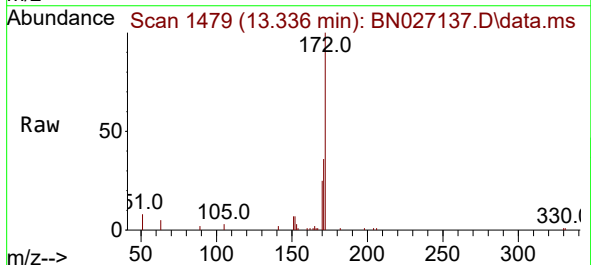
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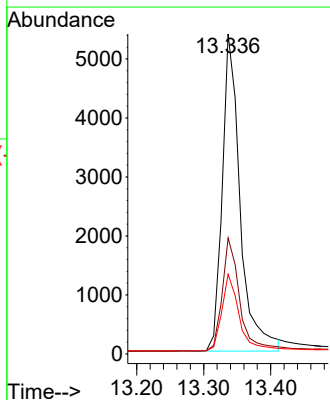
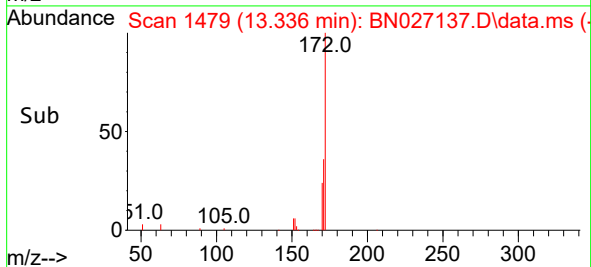
Tgt Ion: 330 Resp: 953
Ion Ratio Lower Upper
330 100
332 94.0 76.6 114.8
141 45.6 32.3 48.5

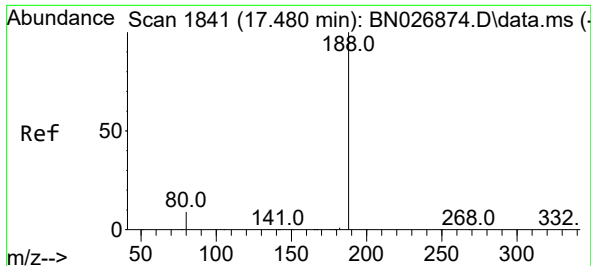


#15
2-Fluorobiphenyl
Concen: 0.262 ng
RT: 13.336 min Scan# 1479
Delta R.T. 0.000 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31



Tgt Ion: 172 Resp: 9968
Ion Ratio Lower Upper
172 100
171 36.2 27.4 41.0
170 24.9 18.0 27.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.455 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BN027137.D

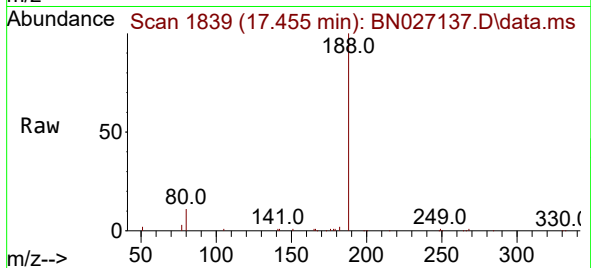
Acq: 26 Aug 2023 02:31

Instrument :

BNA_N

ClientSampleId :

DUP06-20230814



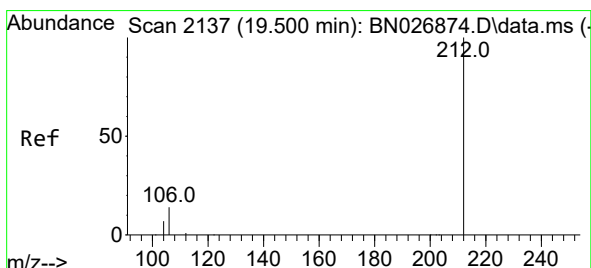
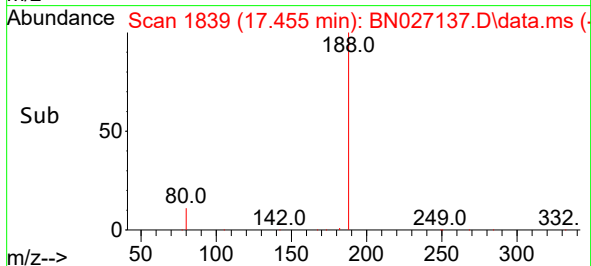
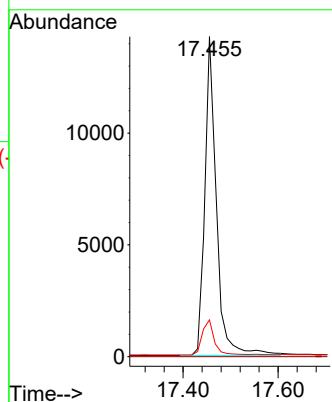
Tgt Ion:188 Resp: 24331

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.5 7.4 11.2#



#27

Fluoranthene-d10

Concen: 0.325 ng

RT: 19.477 min Scan# 2132

Delta R.T. 0.000 min

Lab File: BN027137.D

Acq: 26 Aug 2023 02:31

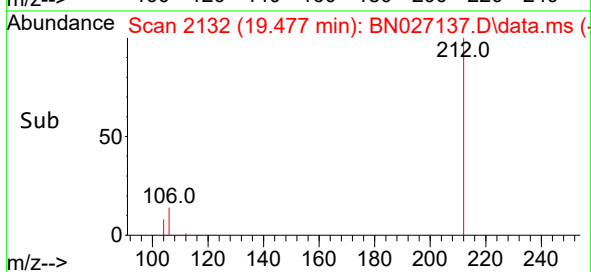
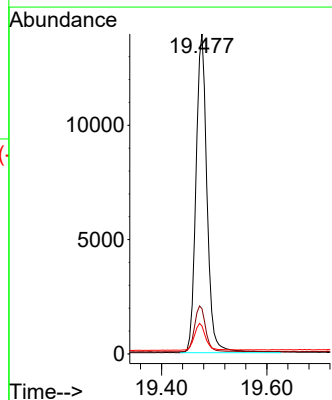
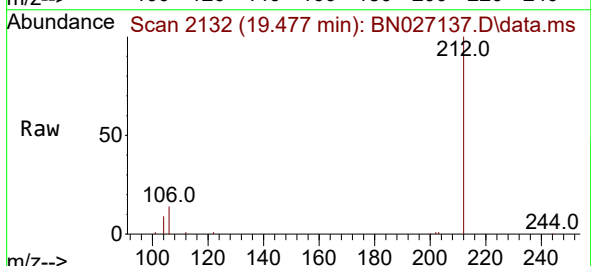
Tgt Ion:212 Resp: 20275

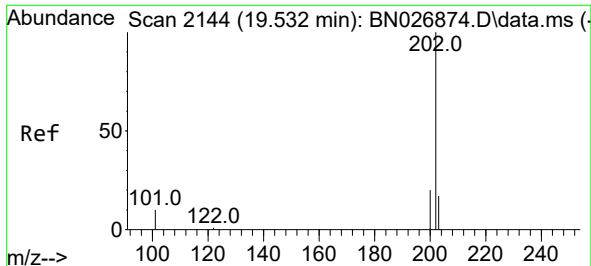
Ion Ratio Lower Upper

212 100

106 14.6 10.9 16.3

104 8.6 5.9 8.9

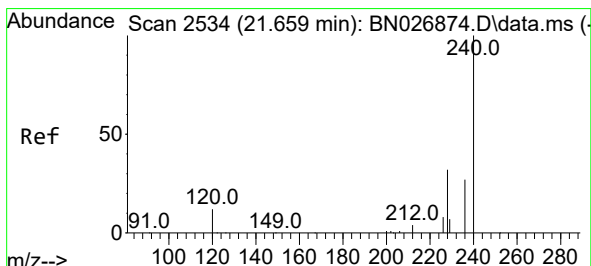
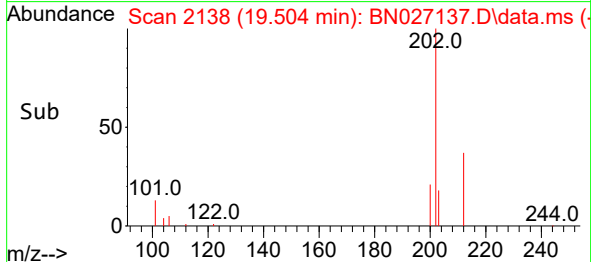
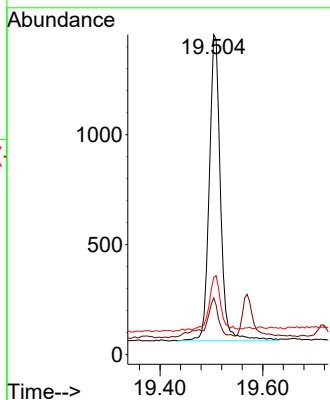
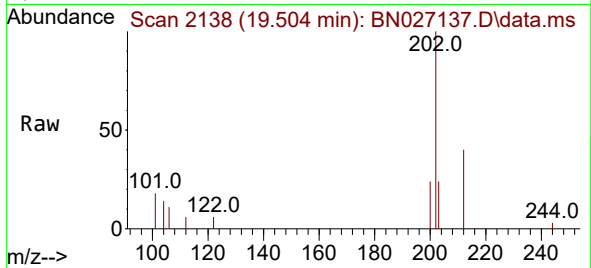




#28
Fluoranthene
Concen: 0.025 ng
RT: 19.504 min Scan# 2144
Delta R.T. -0.004 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

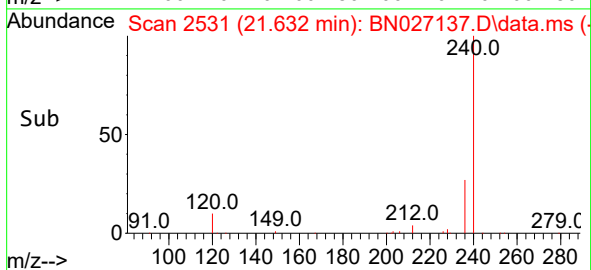
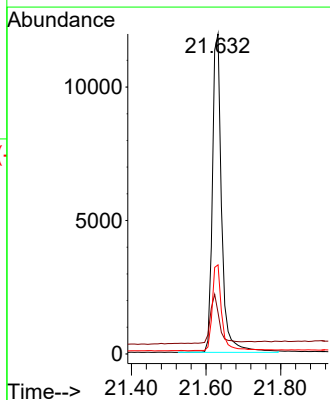
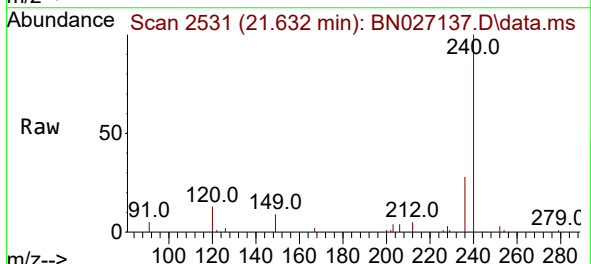
Instrument :
BNA_N
ClientSampleId :
DUP06-20230814

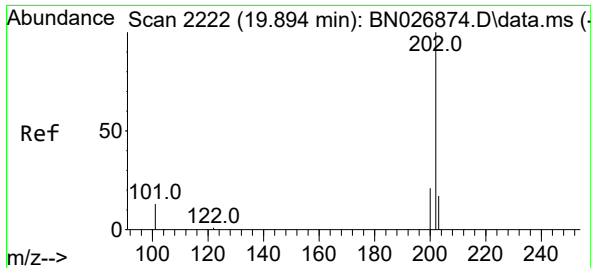
Tgt Ion:202 Resp: 2098
Ion Ratio Lower Upper
202 100
101 15.7 8.9 13.3#
203 20.4 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.632 min Scan# 2531
Delta R.T. 0.000 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

Tgt Ion:240 Resp: 20429
Ion Ratio Lower Upper
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120 12.9 11.1 16.7
236 27.9 22.2 33.2

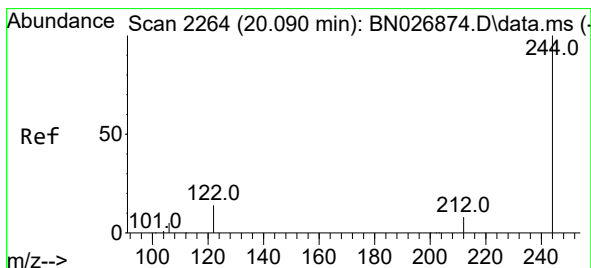
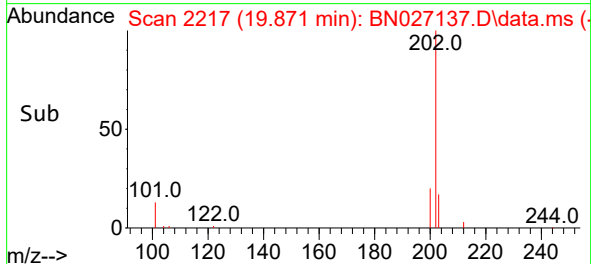
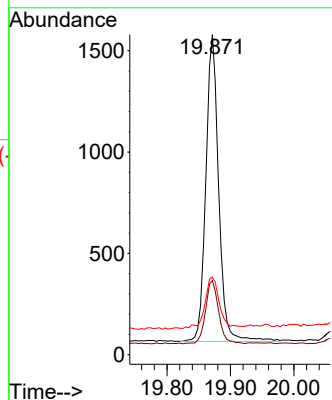
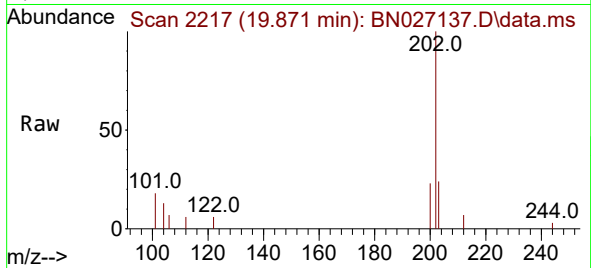




#30
Pyrene
Concen: 0.027 ng
RT: 19.871 min Scan# 211
Delta R.T. 0.000 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

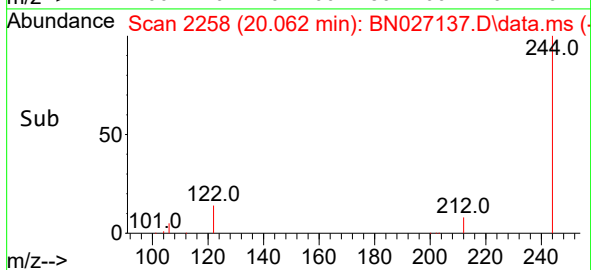
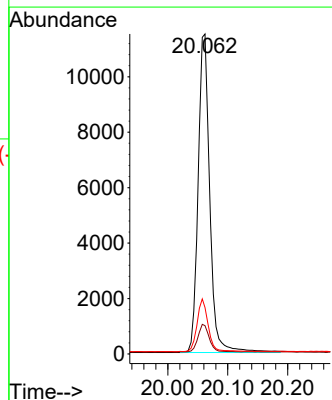
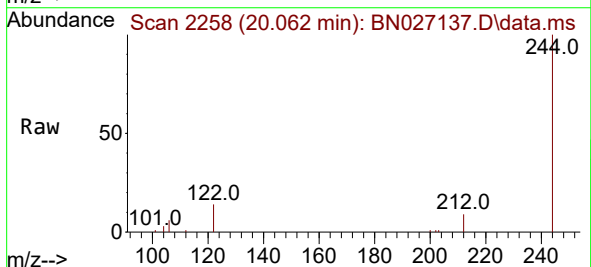
Instrument :
BNA_N
ClientSampleId :
DUP06-20230814

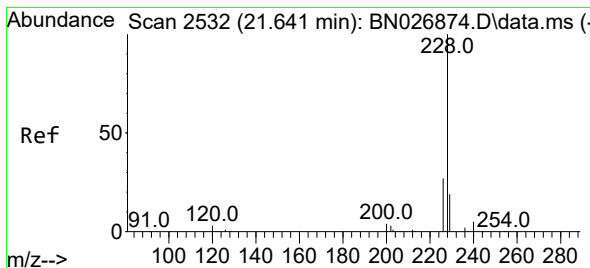
Tgt Ion:202 Resp: 2128
Ion Ratio Lower Upper
202 100
200 21.1 16.6 25.0
203 18.8 14.4 21.6



#31
Terphenyl-d14
Concen: 0.365 ng
RT: 20.062 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

Tgt Ion:244 Resp: 15567
Ion Ratio Lower Upper
244 100
212 8.9 6.9 10.3
122 14.5 11.9 17.9





#32

Benzo(a)anthracene

Concen: 0.024 ng

RT: 21.614 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027137.D

Acq: 26 Aug 2023 02:31

Instrument :

BNA_N

ClientSampleId :

DUP06-20230814

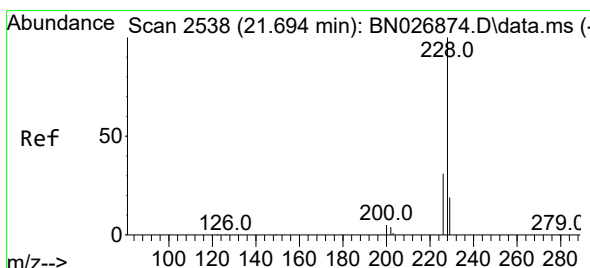
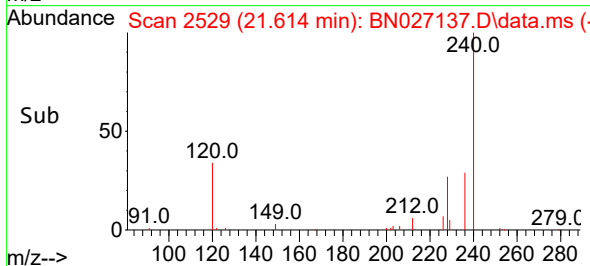
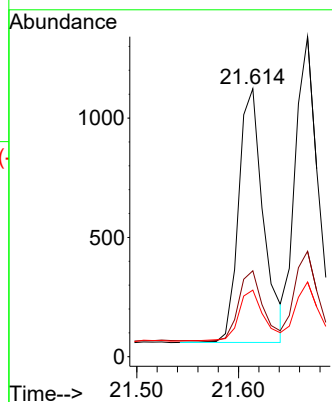
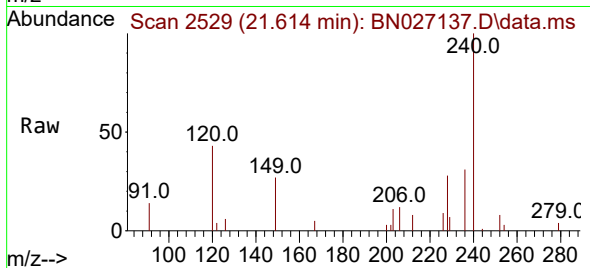
Tgt Ion:228 Resp: 1793

Ion Ratio Lower Upper

228 100

226 32.1 22.1 33.1

229 24.8 15.5 23.3#



#33

Chrysene

Concen: 0.027 ng

RT: 21.668 min Scan# 2535

Delta R.T. 0.000 min

Lab File: BN027137.D

Acq: 26 Aug 2023 02:31

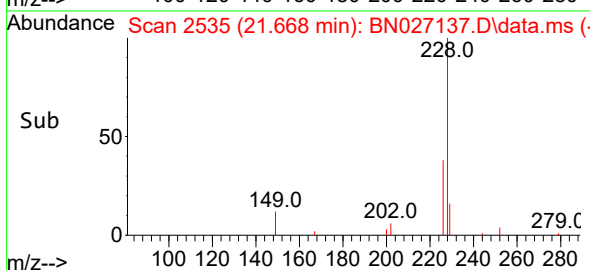
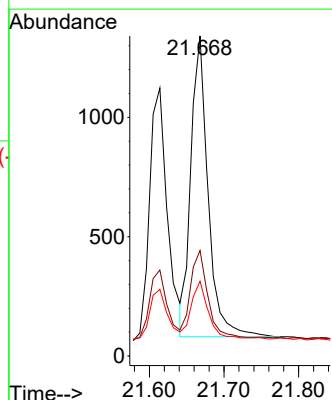
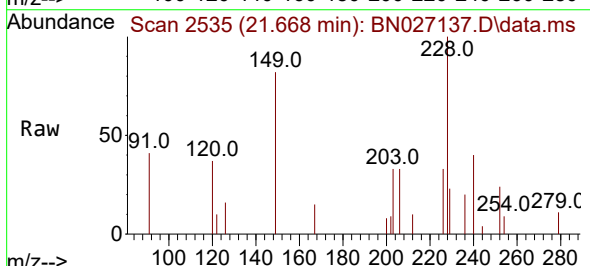
Tgt Ion:228 Resp: 2022

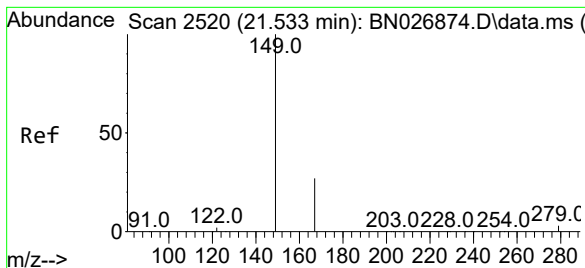
Ion Ratio Lower Upper

228 100

226 33.0 24.6 37.0

229 23.3 15.5 23.3#

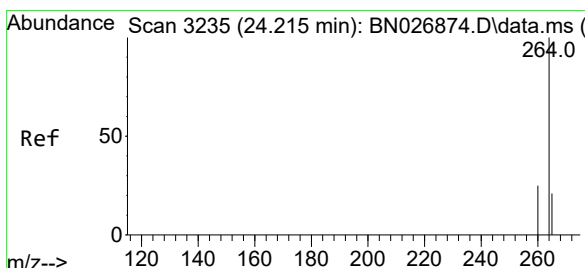
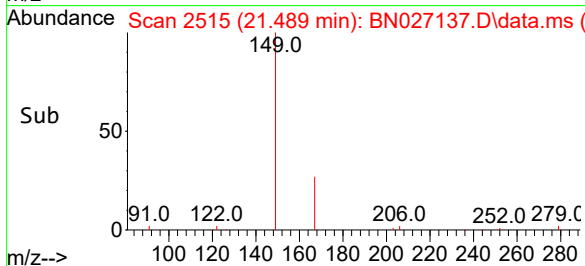
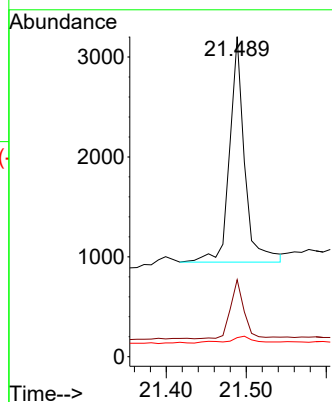
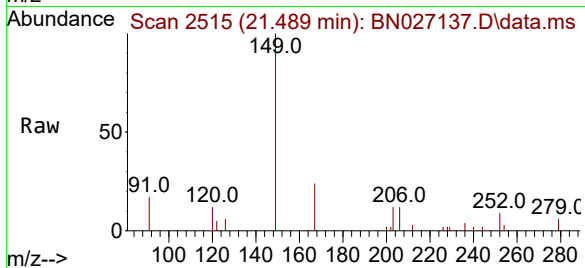




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.055 ng
RT: 21.489 min Scan# 2149
Delta R.T. -0.009 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

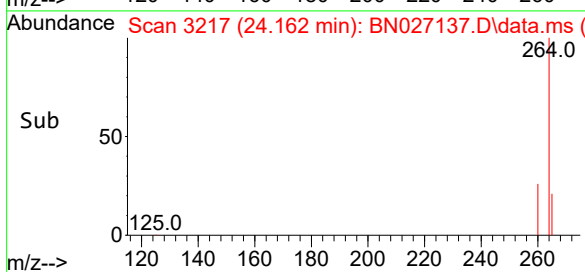
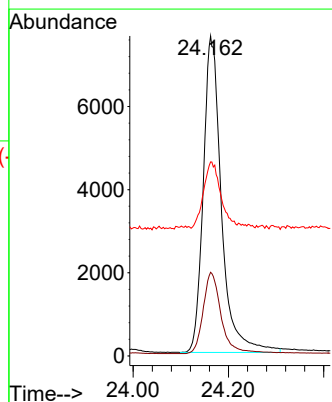
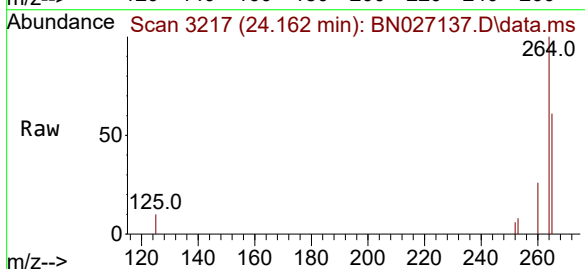
Instrument :
BNA_N
ClientSampleId :
DUP06-20230814

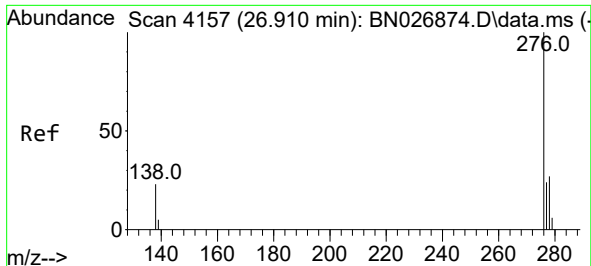
Tgt Ion:149 Resp: 2940
Ion Ratio Lower Upper
149 100
167 23.7 21.4 32.0
279 5.0 3.6 5.4



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.162 min Scan# 3217
Delta R.T. -0.009 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

Tgt Ion:264 Resp: 20187
Ion Ratio Lower Upper
264 100
260 26.2 20.4 30.6
265 60.6 27.0 40.6#

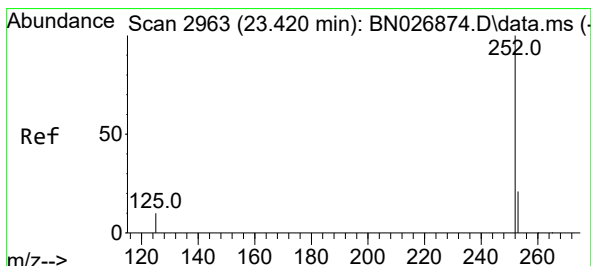
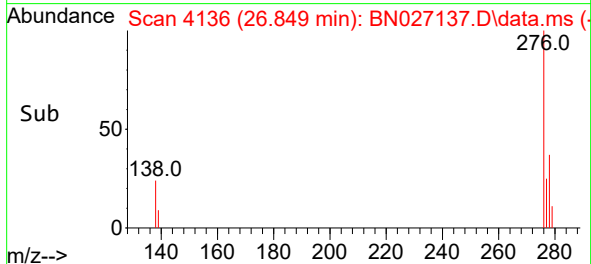
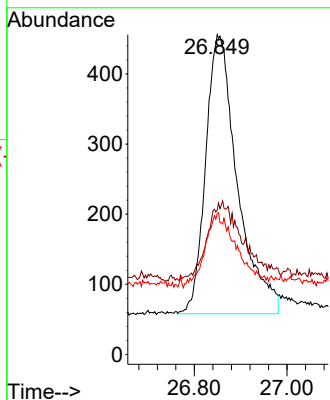
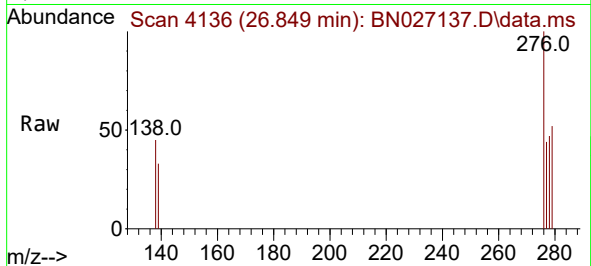




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.023 ng
RT: 26.849 min Scan# 4157
Delta R.T. -0.003 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

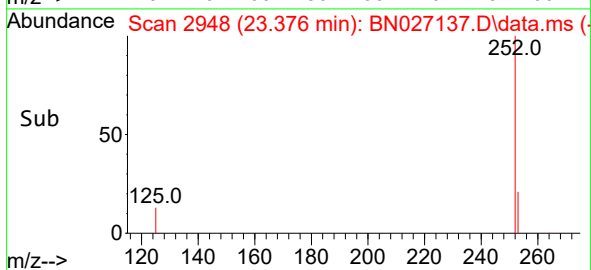
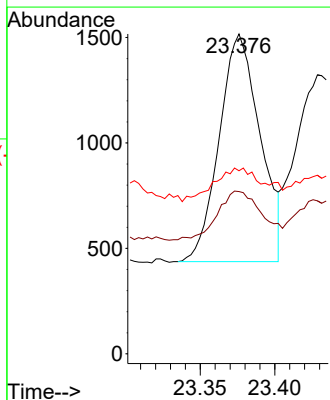
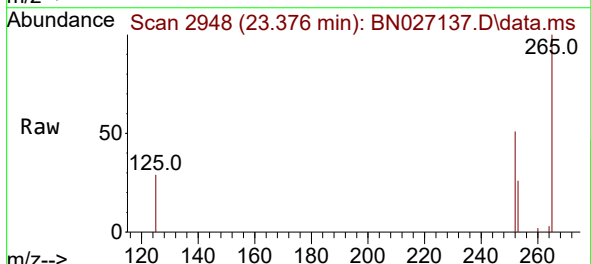
Instrument :
BNA_N
ClientSampleId :
DUP06-20230814

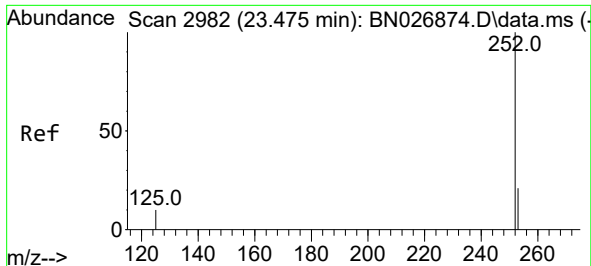
Tgt Ion:276 Resp: 1894
Ion Ratio Lower Upper
276 100
138 23.5 21.1 31.7
277 14.3 19.9 29.9#



#37
Benzo(b)fluoranthene
Concen: 0.031 ng
RT: 23.376 min Scan# 2948
Delta R.T. -0.003 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

Tgt Ion:252 Resp: 2064
Ion Ratio Lower Upper
252 100
253 50.8 18.4 27.6#
125 57.2 10.2 15.2#

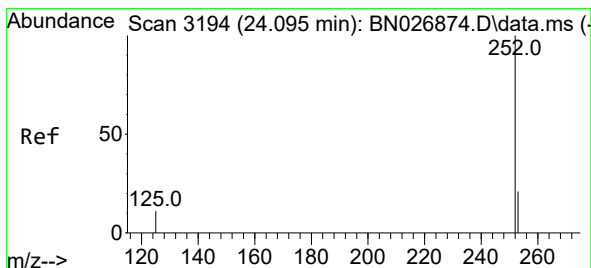
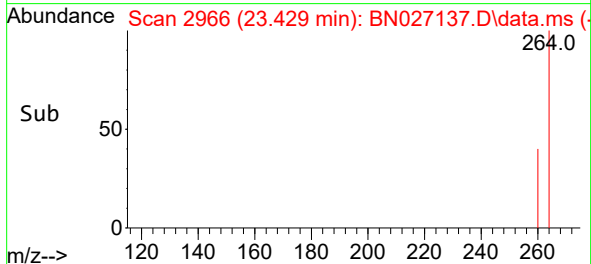
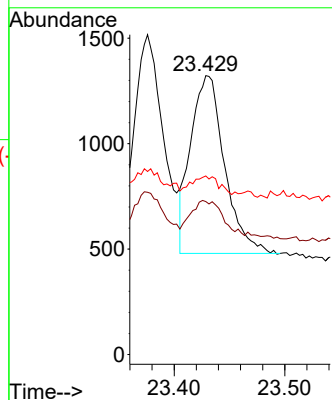
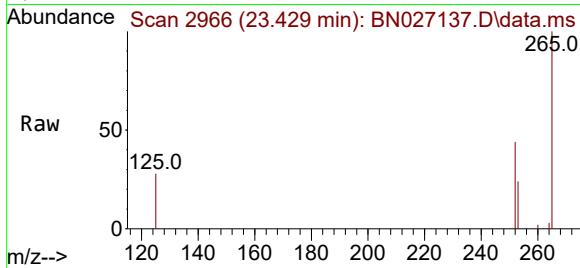




#38
Benzo(k)fluoranthene
Concen: 0.026 ng
RT: 23.429 min Scan# 2982
Delta R.T. -0.003 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

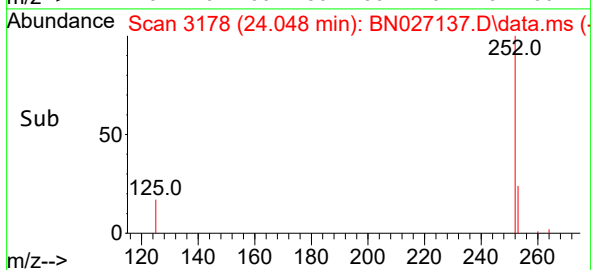
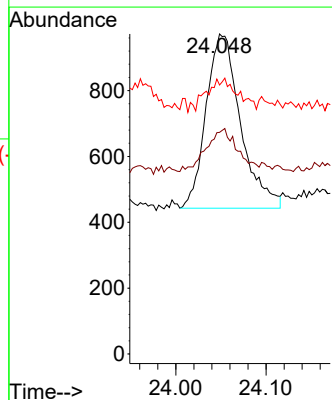
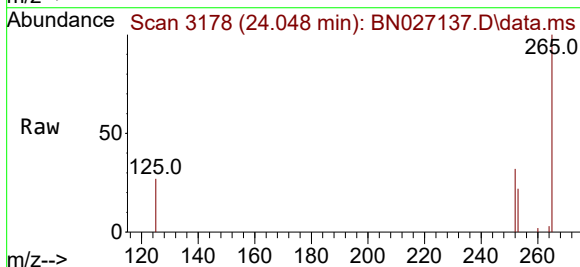
Instrument :
BNA_N
ClientSampleId :
DUP06-20230814

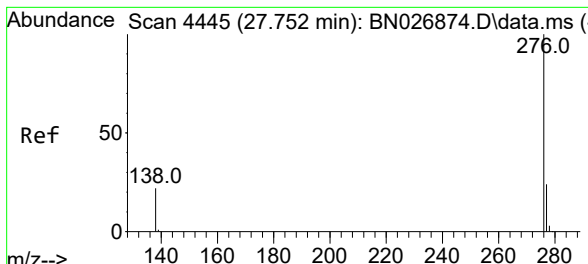
Tgt Ion:252 Resp: 1790
Ion Ratio Lower Upper
252 100
253 54.9 18.4 27.6#
125 64.0 10.2 15.2#



#39
Benzo(a)pyrene
Concen: 0.021 ng
RT: 24.048 min Scan# 3178
Delta R.T. -0.009 min
Lab File: BN027137.D
Acq: 26 Aug 2023 02:31

Tgt Ion:252 Resp: 1402
Ion Ratio Lower Upper
252 100
253 69.2 18.6 28.0#
125 84.1 11.7 17.5#





#41

Benzo(g,h,i)perylene

Concen: 0.025 ng

RT: 27.677 min Scan# 44

Delta R.T. -0.012 min

Lab File: BN027137.D

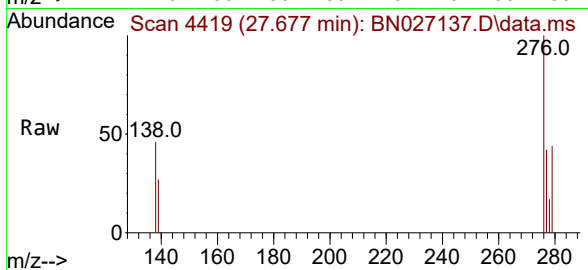
Acq: 26 Aug 2023 02:31

Instrument :

BNA_N

ClientSampleId :

DUP06-20230814



Tgt Ion:276 Resp: 1783

Ion Ratio Lower Upper

276 100

277 41.8 19.8 29.8#

138 45.7 19.0 28.4#

