

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN083023\
 Data File : BN027313.D
 Acq On : 31 Aug 2023 16:58
 Operator : MA/JU
 Sample : 04128-14
 Misc :
 ALS Vial : 93 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP10-20230822

Quant Time: Sep 01 03:56:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 05:37:30 2023
 Response via : Initial Calibration

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

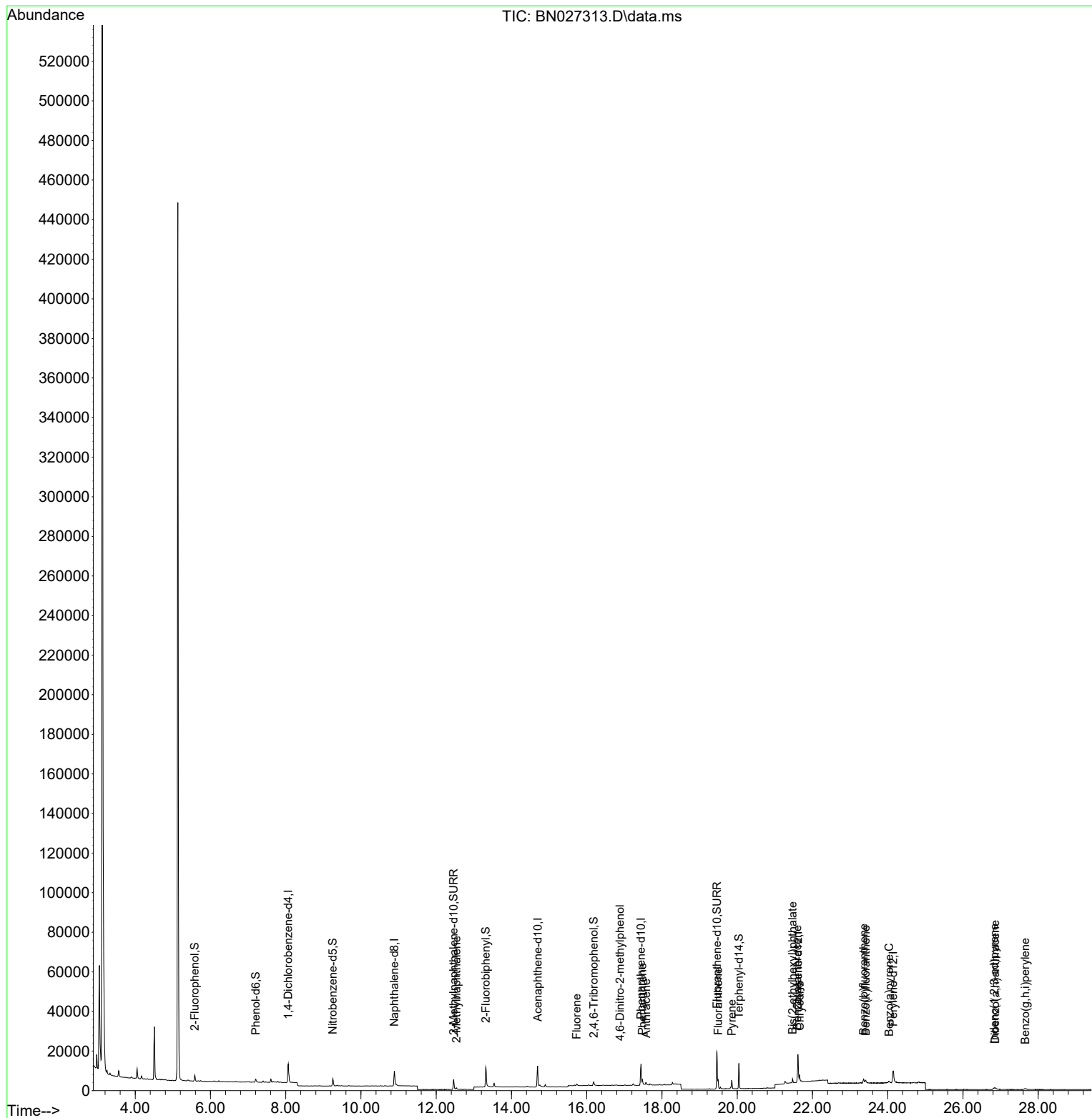
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.066	152	4510	0.400	ng	0.00
7) Naphthalene-d8	10.885	136	11806	0.400	ng	-0.01
13) Acenaphthene-d10	14.694	164	7115	0.400	ng	0.00
19) Phenanthrene-d10	17.443	188	17097	0.400	ng	# 0.00
29) Chrysene-d12	21.614	240	13581	0.400	ng	0.00
35) Perylene-d12	24.145	264	11242	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.582	112	2517	0.214	ng	0.00
5) Phenol-d6	7.207	99	1669	0.117	ng	0.00
8) Nitrobenzene-d5	9.251	82	3311	0.385	ng	-0.01
11) 2-Methylnaphthalene-d10	12.460	152	8083	0.466	ng	-0.01
14) 2,4,6-Tribromophenol	16.189	330	1300	0.494	ng	0.00
15) 2-Fluorobiphenyl	13.315	172	10795	0.399	ng	-0.01
27) Fluoranthene-d10	19.463	212	21511	0.506	ng	0.00
31) Terphenyl-d14	20.043	244	13105	0.480	ng	0.00
Target Compounds						Qvalue
12) 2-Methylnaphthalene	12.536	142	573	0.025	ng	# 82
18) Fluorene	15.730	166	819	0.028	ng	92
20) 4,6-Dinitro-2-methylph...	16.884	198	7	0.029	ng	# 25
25) Phenanthrene	17.480	178	2580	0.051	ng	99
26) Anthracene	17.579	178	1926	0.045	ng	95
28) Fluoranthene	19.491	202	4042	0.068	ng	# 94
30) Pyrene	19.858	202	4073	0.075	ng	99
32) Benzo(a)anthracene	21.596	228	3225	0.069	ng	93
33) Chrysene	21.659	228	3276	0.064	ng	96
34) Bis(2-ethylhexyl)phtha...	21.471	149	2020	0.090	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.829	276	1794	0.039	ng	# 72
37) Benzo(b)fluoranthene	23.358	252	2845	0.065	ng	# 48
38) Benzo(k)fluoranthene	23.414	252	2434	0.054	ng	# 44
39) Benzo(a)pyrene	24.034	252	1952	0.048	ng	# 20
40) Dibenzo(a,h)anthracene	26.858	278	1335	0.037	ng	# 26
41) Benzo(g,h,i)perylene	27.656	276	1408	0.034	ng	# 56

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

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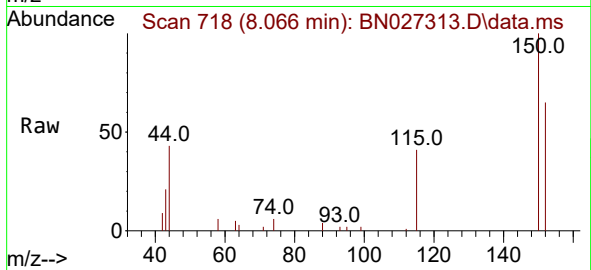
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 29 05:37:30 2023
Response via : Initial Calibration



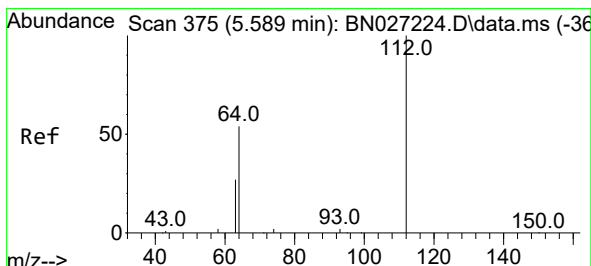
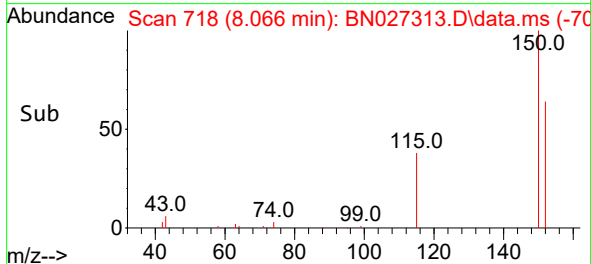
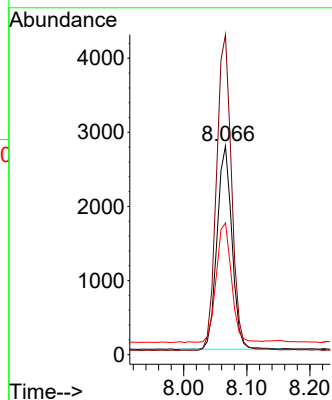


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.066 min Scan# 719
Delta R.T. -0.007 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

Instrument :
BNA_N
ClientSampleId :
DUP10-20230822

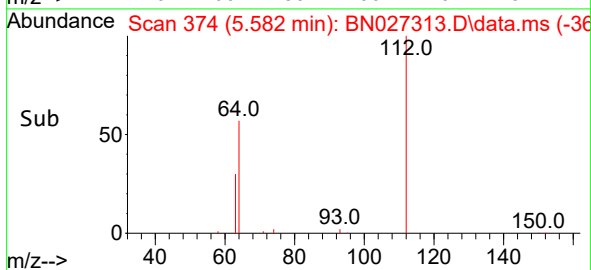
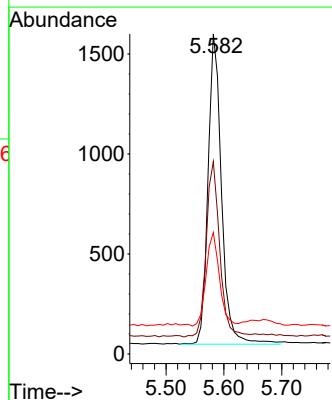
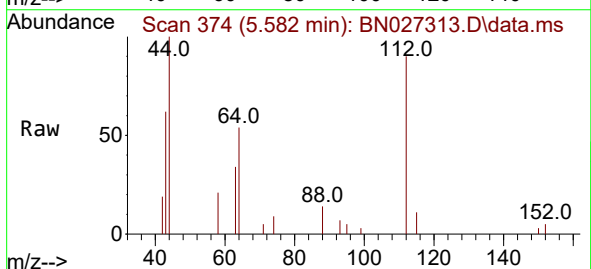


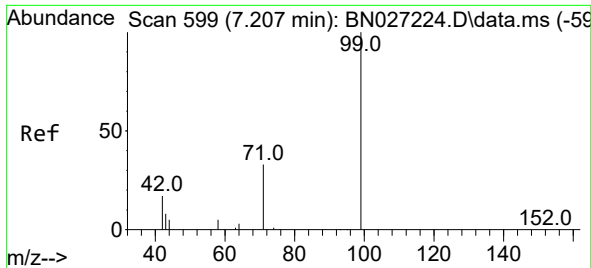
Tgt Ion:152 Resp: 4510
Ion Ratio Lower Upper
152 100
150 153.3 122.7 184.1
115 63.2 48.6 73.0



#4
2-Fluorophenol
Concen: 0.214 ng
RT: 5.582 min Scan# 374
Delta R.T. -0.007 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

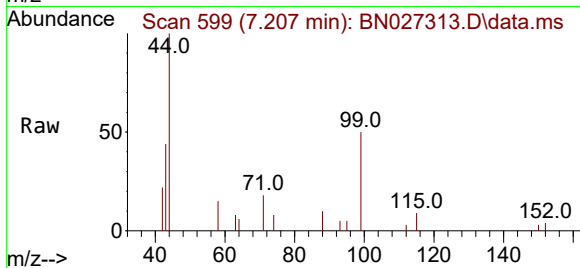
Tgt Ion:112 Resp: 2517
Ion Ratio Lower Upper
112 100
64 56.7 44.4 66.6
63 30.0 23.1 34.7



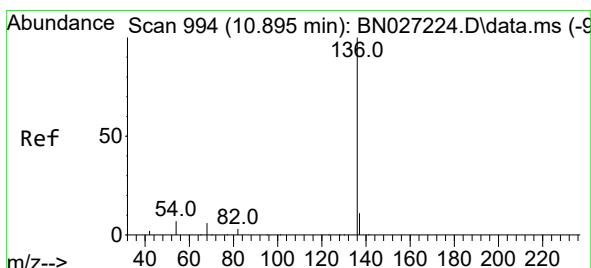
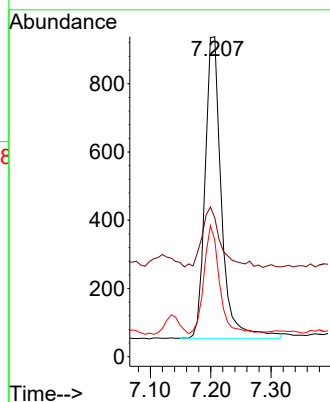
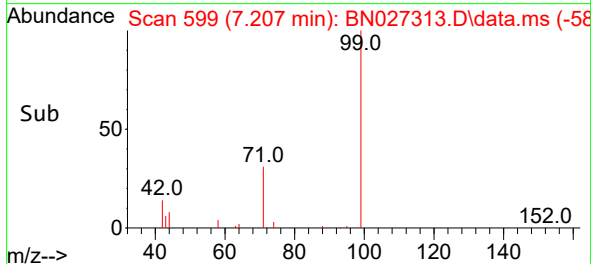


#5
Phenol-d6
Concen: 0.117 ng
RT: 7.207 min Scan# 599
Delta R.T. 0.000 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

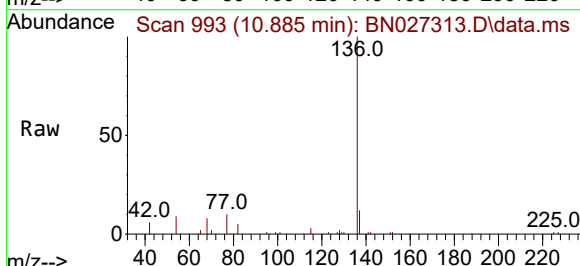
Instrument :
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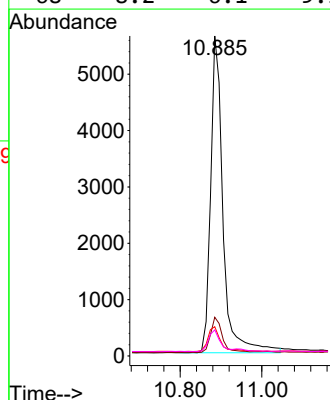
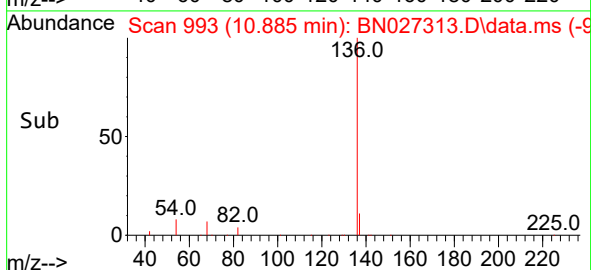
Tgt Ion: 99 Resp: 1669
Ion Ratio Lower Upper
99 100
42 22.5 14.5 21.7#
71 34.3 25.8 38.6

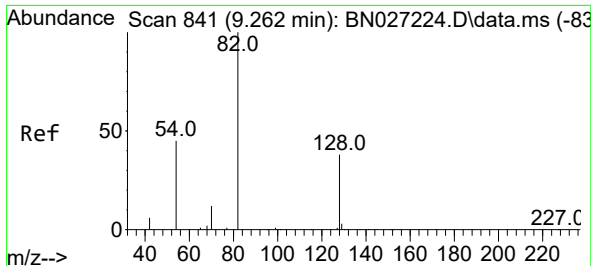


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.885 min Scan# 993
Delta R.T. -0.011 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58



Tgt Ion: 136 Resp: 11806
Ion Ratio Lower Upper
136 100
137 12.1 9.3 13.9
54 9.2 6.7 10.1
68 8.2 6.1 9.1

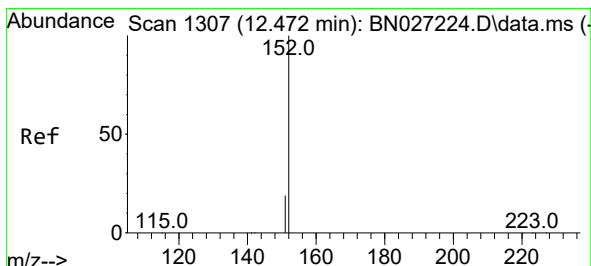
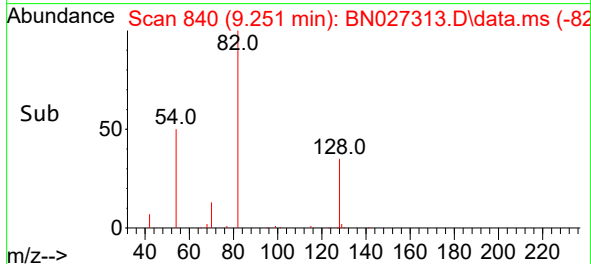
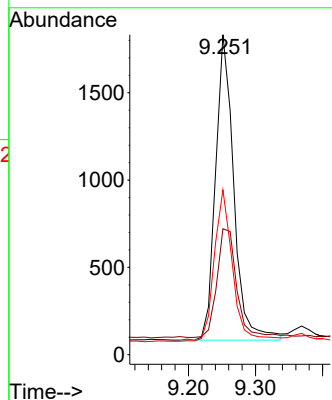
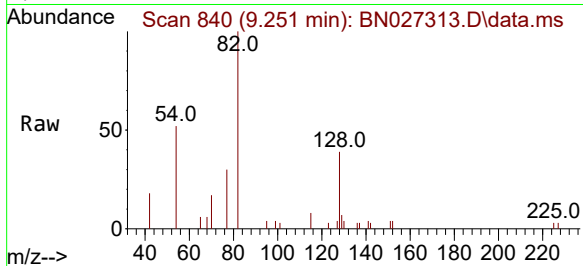




#8
Nitrobenzene-d5
Concen: 0.385 ng
RT: 9.251 min Scan# 841
Delta R.T. -0.011 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

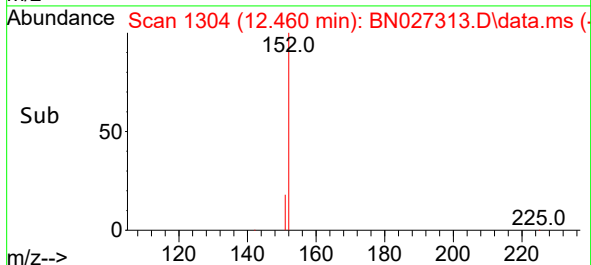
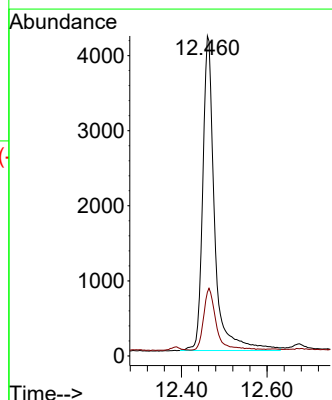
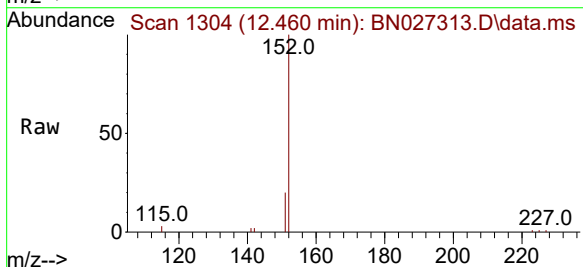
Instrument :
BNA_N
ClientSampleId :
DUP10-20230822

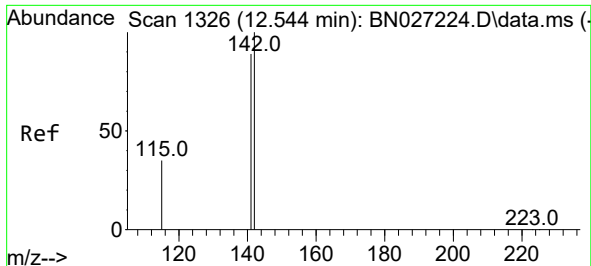
Tgt Ion: 82 Resp: 3311
Ion Ratio Lower Upper
82 100
128 39.3 33.4 50.0
54 51.5 37.7 56.5



#11
2-Methylnaphthalene-d10
Concen: 0.466 ng
RT: 12.460 min Scan# 1304
Delta R.T. -0.011 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

Tgt Ion: 152 Resp: 8083
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0

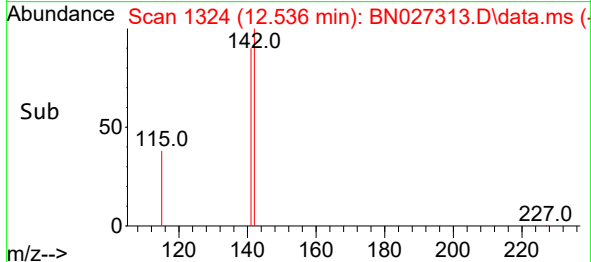
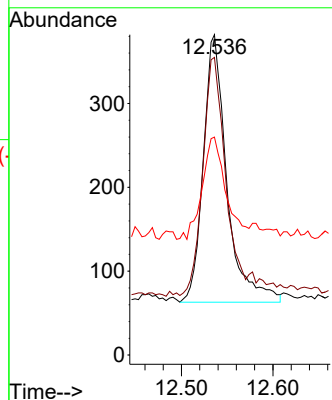
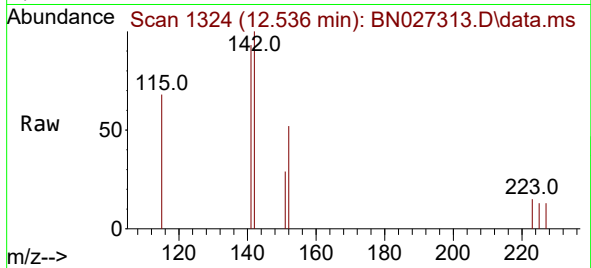




#12
2-Methylnaphthalene
Concen: 0.025 ng
RT: 12.536 min Scan# 11
Delta R.T. -0.007 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

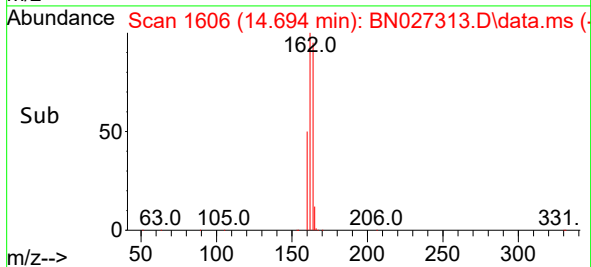
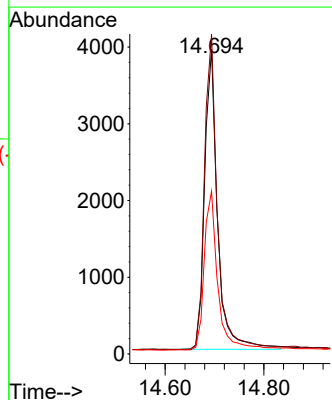
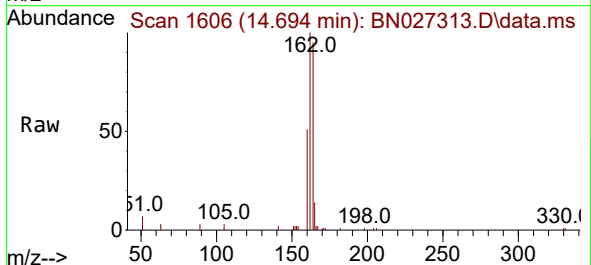
Instrument :
BNA_N
ClientSampleId :
DUP10-20230822

Tgt Ion:142 Resp: 573
Ion Ratio Lower Upper
142 100
141 92.9 71.1 106.7
115 68.1 29.6 44.4#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.694 min Scan# 1606
Delta R.T. 0.000 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

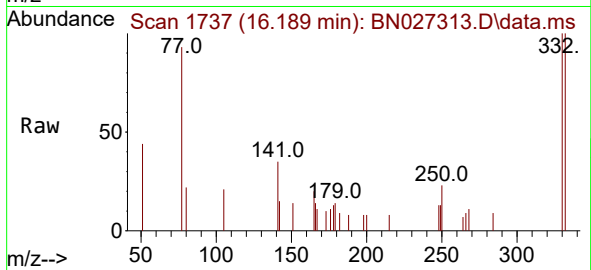
Tgt Ion:164 Resp: 7115
Ion Ratio Lower Upper
164 100
162 105.1 85.8 128.8
160 53.5 44.2 66.2



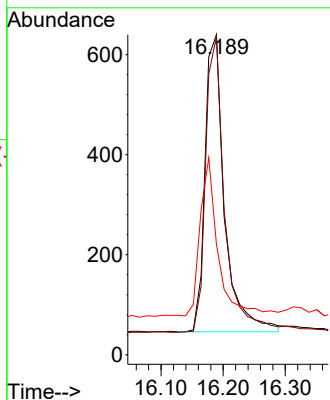
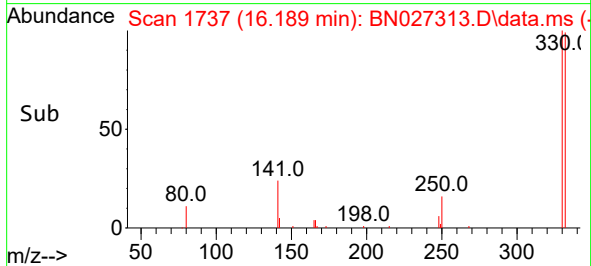


#14
2,4,6-Tribromophenol
Concen: 0.494 ng
RT: 16.189 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

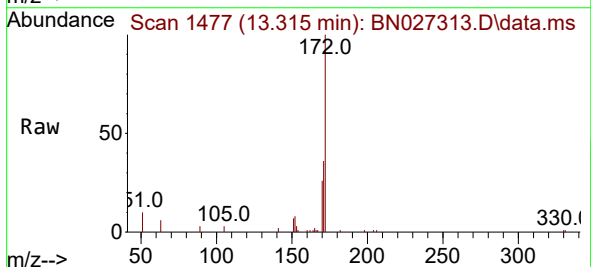
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BNA_N
ClientSampleId :
DUP10-20230822



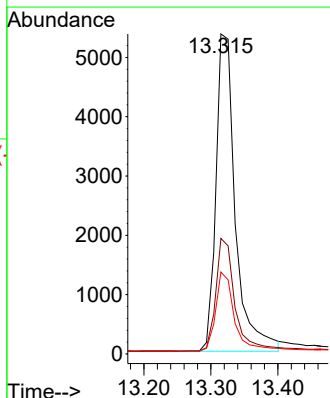
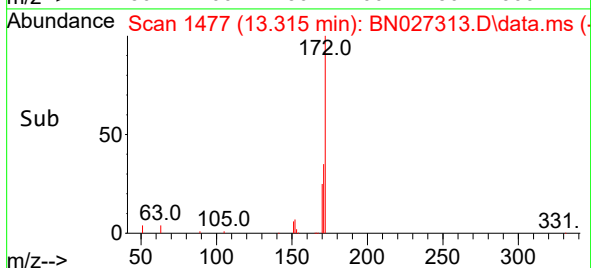
Tgt Ion:330 Resp: 1300
Ion Ratio Lower Upper
330 100
332 97.1 75.2 112.8
141 47.8 36.2 54.4

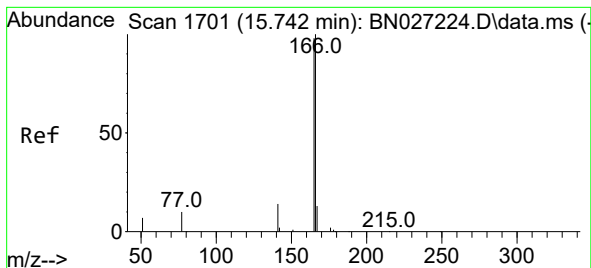


#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 13.315 min Scan# 1477
Delta R.T. -0.011 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58



Tgt Ion:172 Resp: 10795
Ion Ratio Lower Upper
172 100
171 36.1 27.8 41.8
170 25.6 19.3 28.9





#18

Fluorene

Concen: 0.028 ng

RT: 15.730 min Scan# 1700

Delta R.T. -0.012 min

Lab File: BN027313.D

Acq: 31 Aug 2023 16:58

Instrument :

BNA_N

ClientSampleId :

DUP10-20230822

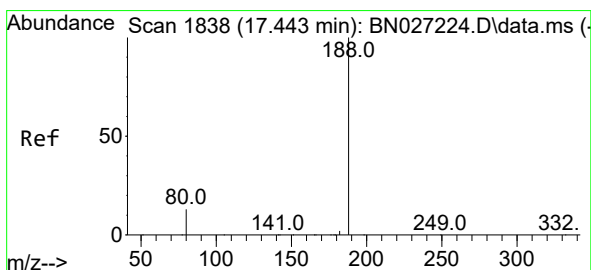
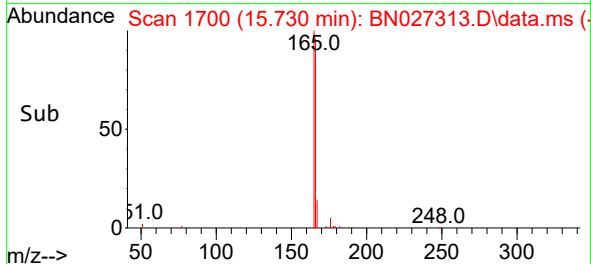
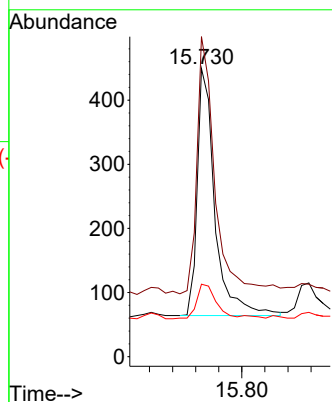
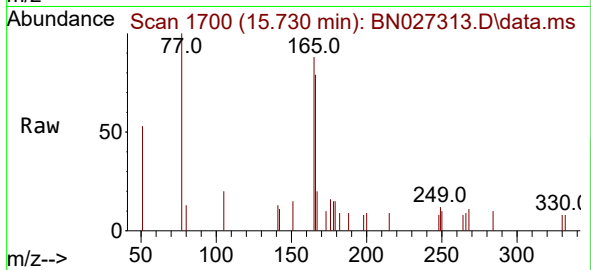
Tgt Ion:166 Resp: 819

Ion Ratio Lower Upper

166 100

165 107.0 79.0 118.4

167 15.8 10.8 16.2



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.443 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BN027313.D

Acq: 31 Aug 2023 16:58

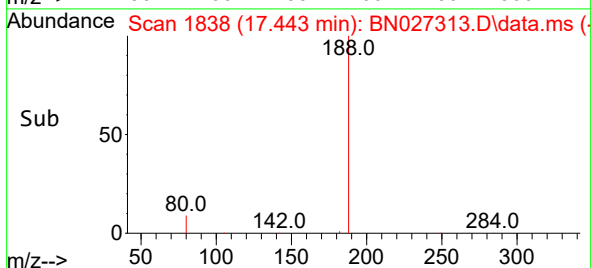
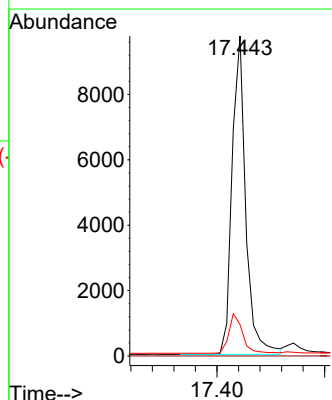
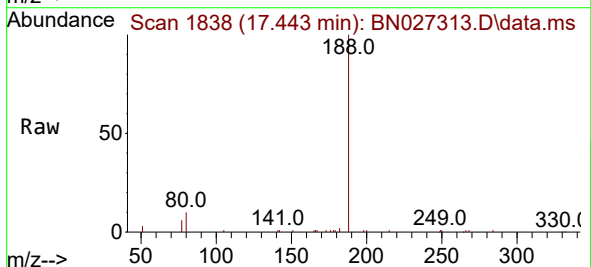
Tgt Ion:188 Resp: 17097

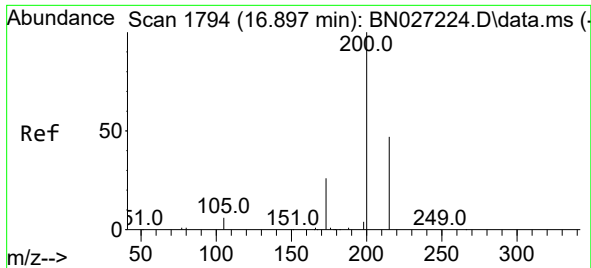
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.8 11.0 16.6#

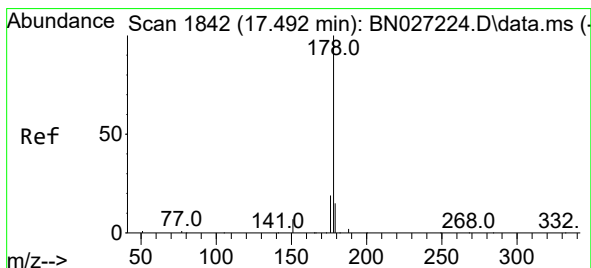
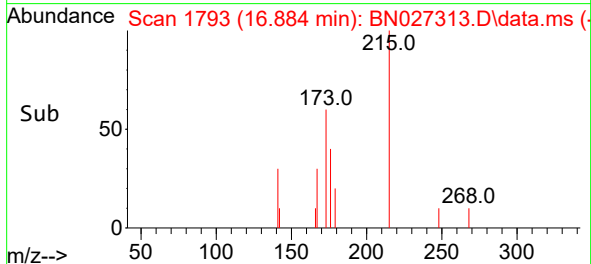
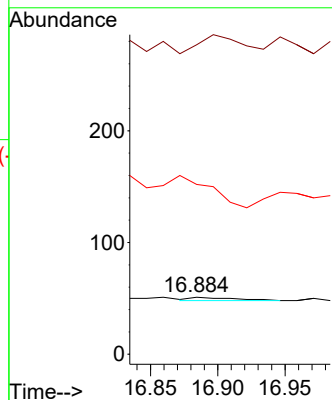
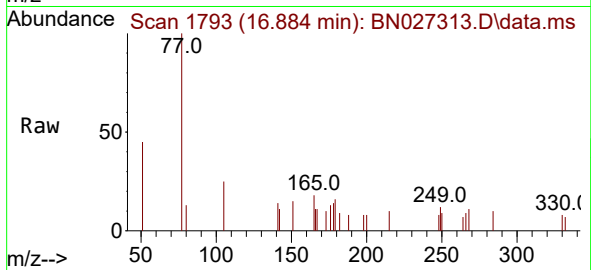




#20
4,6-Dinitro-2-methylphenol
Concen: 0.029 ng
RT: 16.884 min Scan# 1793
Delta R.T. -0.012 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

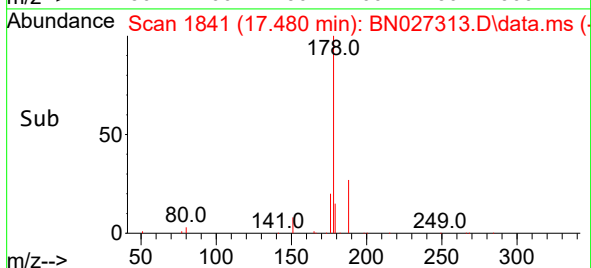
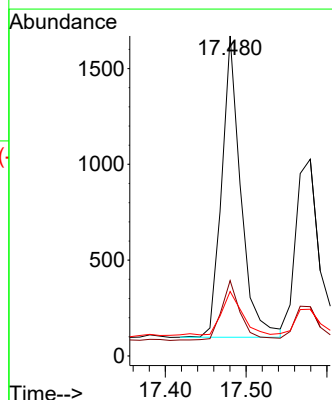
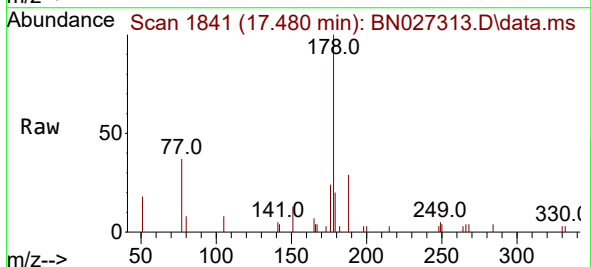
Instrument :
BNA_N
ClientSampleId :
DUP10-20230822

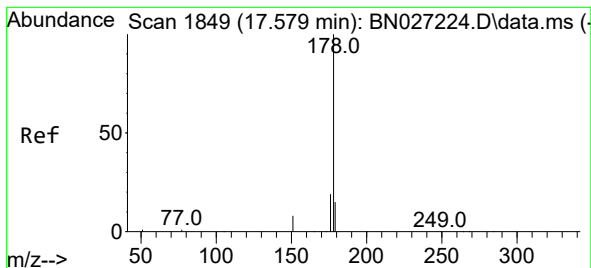
Tgt Ion:198 Resp: 7
Ion Ratio Lower Upper
198 100
51 543.1 282.2 423.2#
105 298.0 168.7 253.1#



#25
Phenanthrene
Concen: 0.051 ng
RT: 17.480 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

Tgt Ion:178 Resp: 2580
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 15.9 12.3 18.5





#26

Anthracene

Concen: 0.045 ng

RT: 17.579 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN027313.D

Acq: 31 Aug 2023 16:58

Instrument :

BNA_N

ClientSampleId :

DUP10-20230822

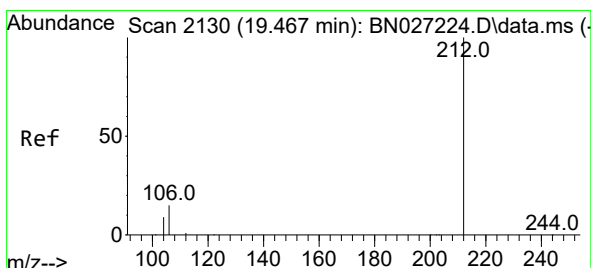
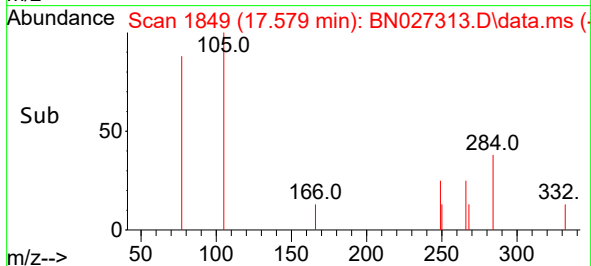
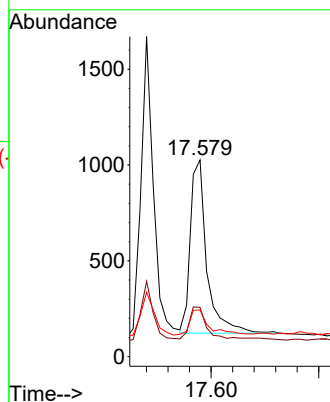
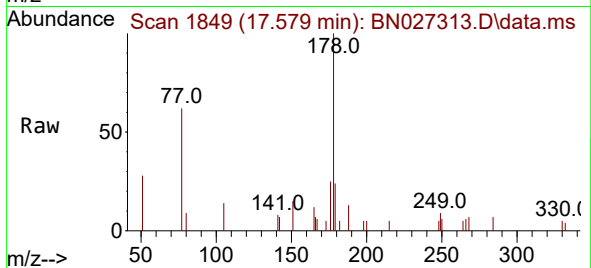
Tgt Ion:178 Resp: 1926

Ion Ratio Lower Upper

178 100

176 20.8 14.9 22.3

179 16.9 12.0 18.0



#27

Fluoranthene-d10

Concen: 0.506 ng

RT: 19.463 min Scan# 2129

Delta R.T. -0.005 min

Lab File: BN027313.D

Acq: 31 Aug 2023 16:58

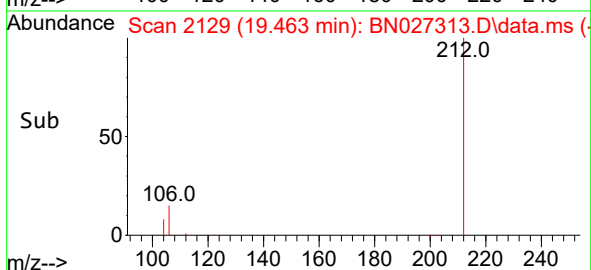
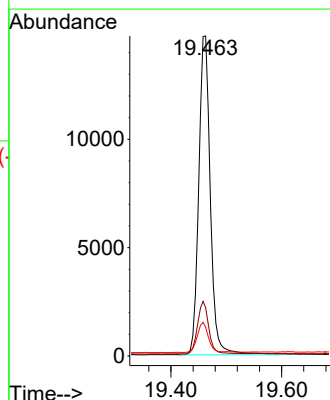
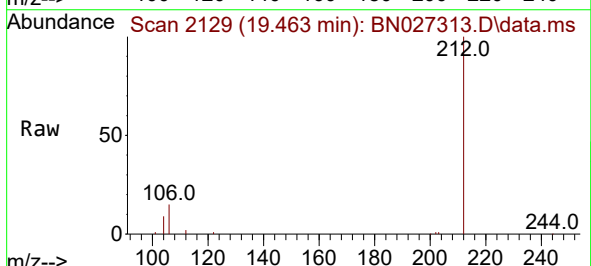
Tgt Ion:212 Resp: 21511

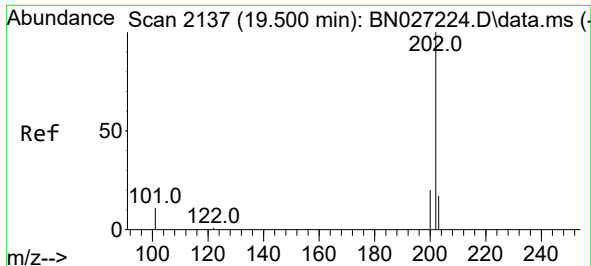
Ion Ratio Lower Upper

212 100

106 16.0 12.1 18.1

104 9.1 6.9 10.3

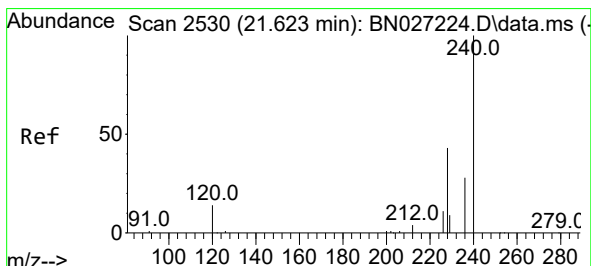
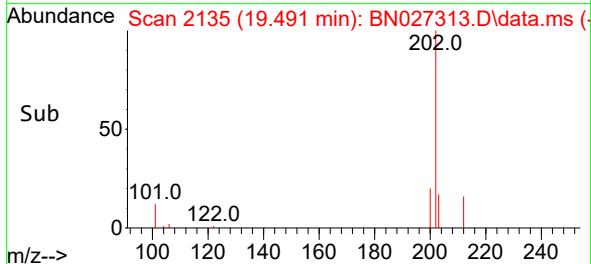
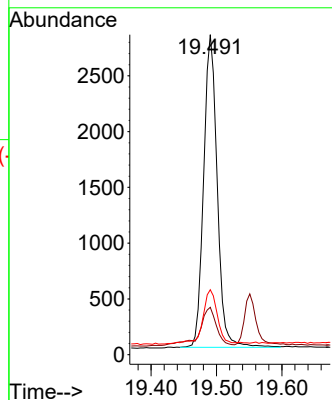
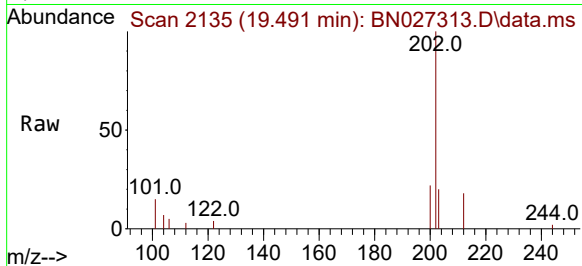




#28
Fluoranthene
Concen: 0.068 ng
RT: 19.491 min Scan# 2135
Delta R.T. -0.009 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

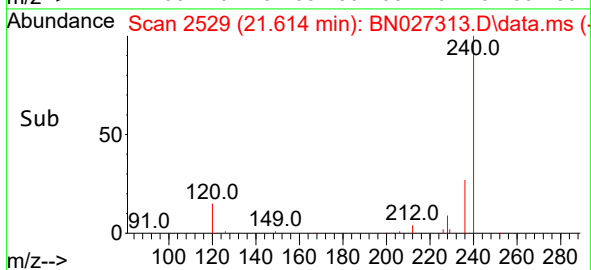
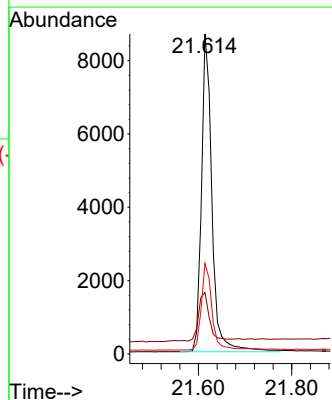
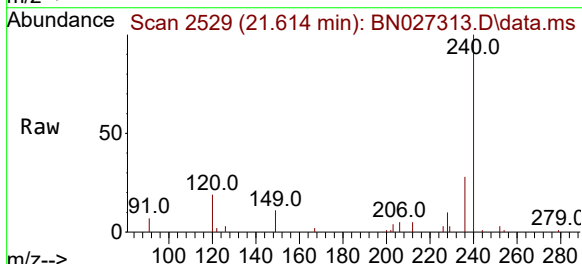
Instrument :
BNA_N
ClientSampleId :
DUP10-20230822

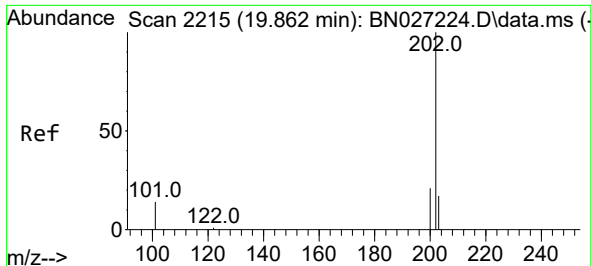
Tgt Ion:202 Resp: 4042
Ion Ratio Lower Upper
202 100
101 15.8 9.6 14.4#
203 18.5 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.614 min Scan# 2529
Delta R.T. -0.009 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

Tgt Ion:240 Resp: 13581
Ion Ratio Lower Upper
240 100
120 19.2 14.2 21.4
236 28.3 22.9 34.3

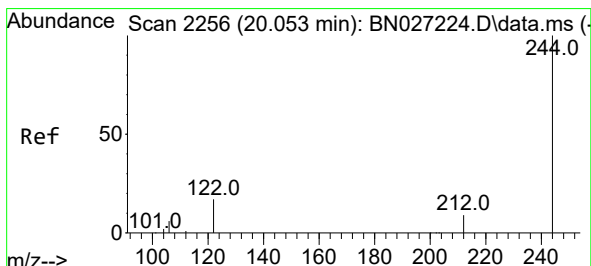
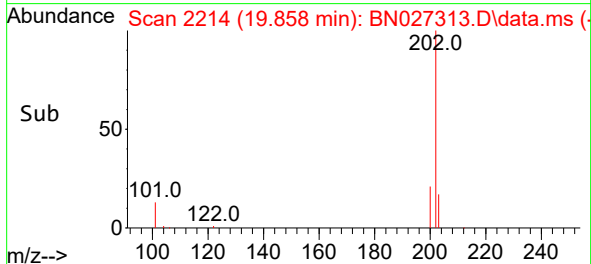
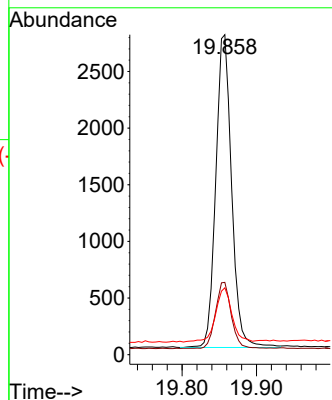
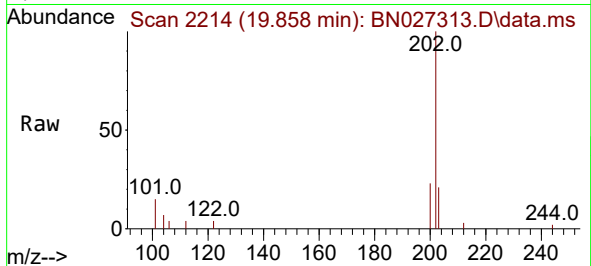




#30
Pyrene
Concen: 0.075 ng
RT: 19.858 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

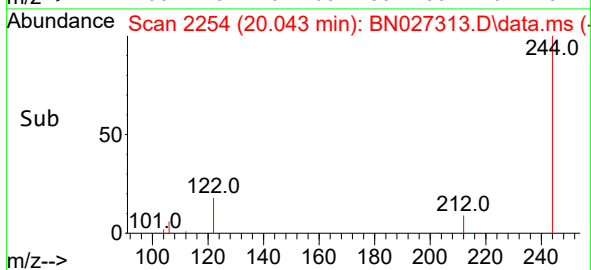
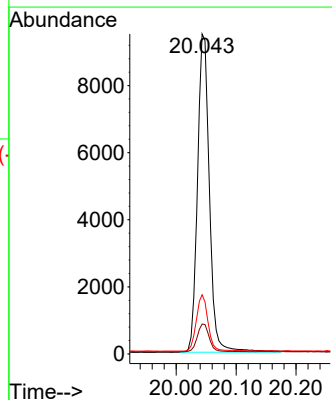
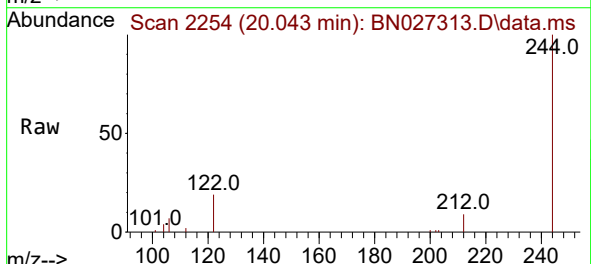
Instrument :
BNA_N
ClientSampleId :
DUP10-20230822

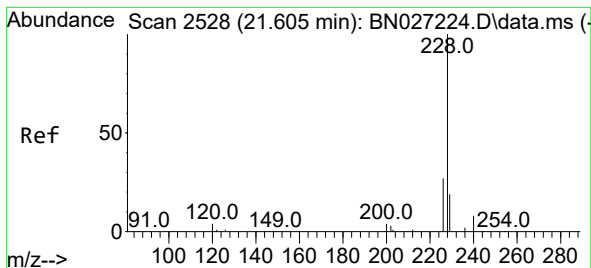
Tgt Ion:202 Resp: 4073
Ion Ratio Lower Upper
202 100
200 21.3 16.6 25.0
203 17.8 14.2 21.4



#31
Terphenyl-d14
Concen: 0.480 ng
RT: 20.043 min Scan# 2254
Delta R.T. -0.009 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

Tgt Ion:244 Resp: 13105
Ion Ratio Lower Upper
244 100
212 9.4 7.5 11.3
122 18.5 14.0 21.0





#32

Benzo(a)anthracene

Concen: 0.069 ng

RT: 21.596 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN027313.D

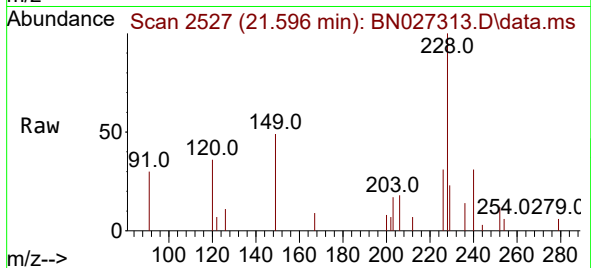
Acq: 31 Aug 2023 16:58

Instrument :

BNA_N

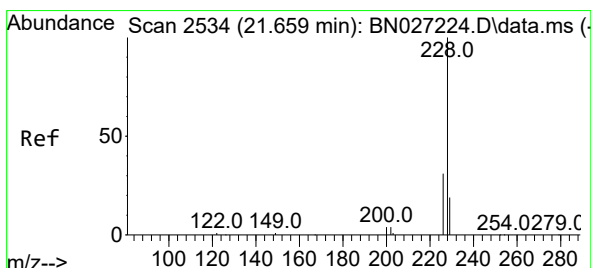
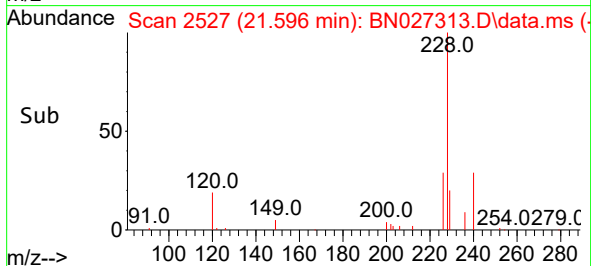
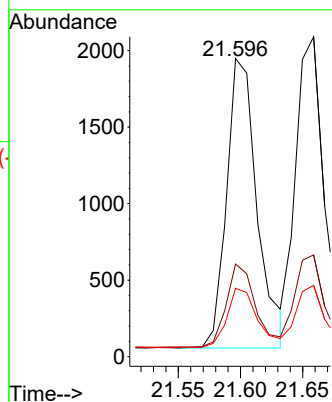
ClientSampleId :

DUP10-20230822



Tgt Ion:228 Resp: 3225

Ion	Ratio	Lower	Upper
228	100		
226	31.0	21.9	32.9
229	22.9	15.7	23.5



#33

Chrysene

Concen: 0.064 ng

RT: 21.659 min Scan# 2534

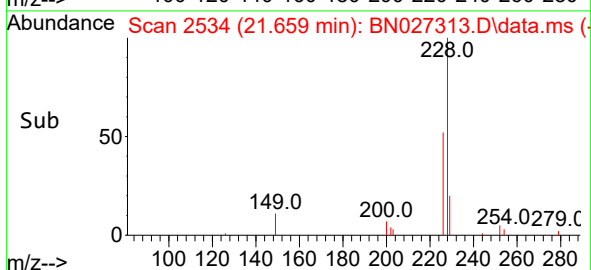
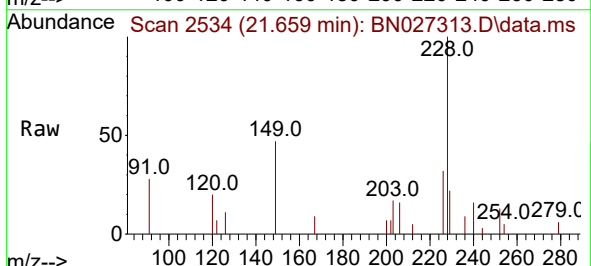
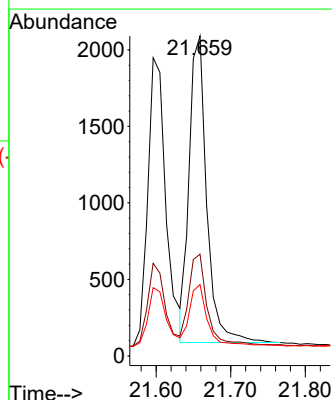
Delta R.T. 0.000 min

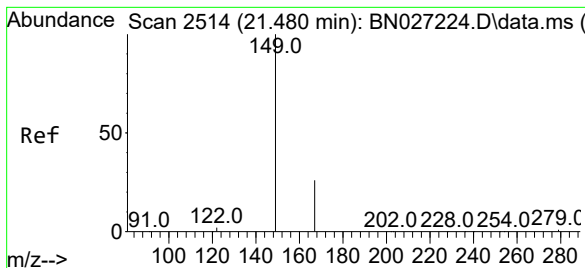
Lab File: BN027313.D

Acq: 31 Aug 2023 16:58

Tgt Ion:228 Resp: 3276

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.3	36.5
229	22.3	15.4	23.2

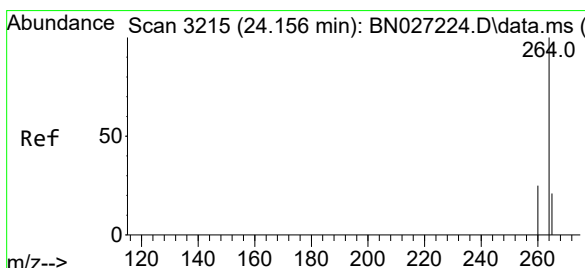
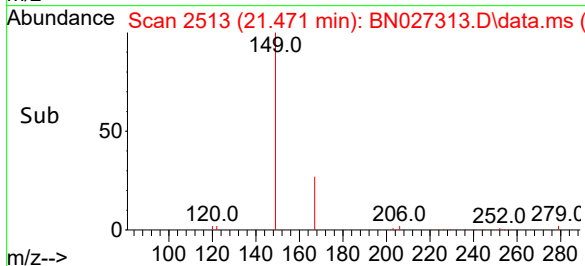
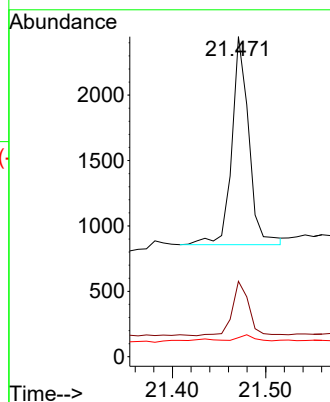
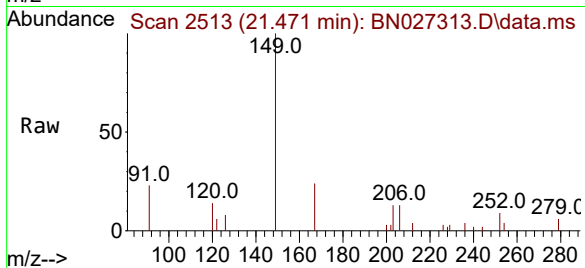




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.090 ng
RT: 21.471 min Scan# 2149
Delta R.T. -0.009 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

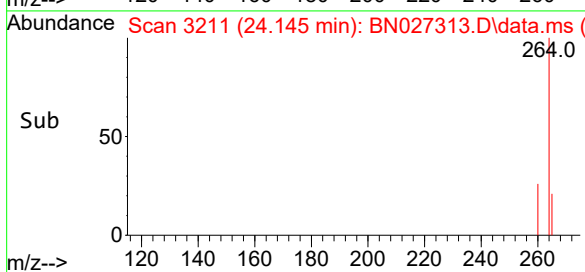
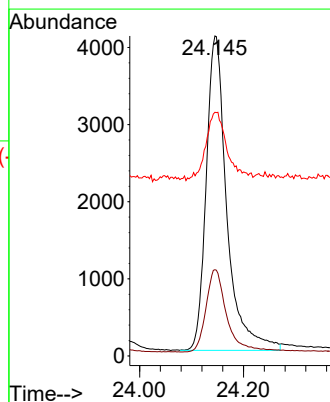
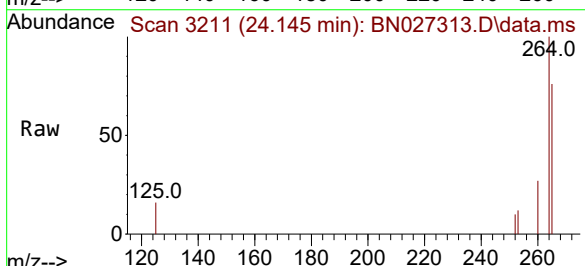
Instrument :
BNA_N
ClientSampleId :
DUP10-20230822

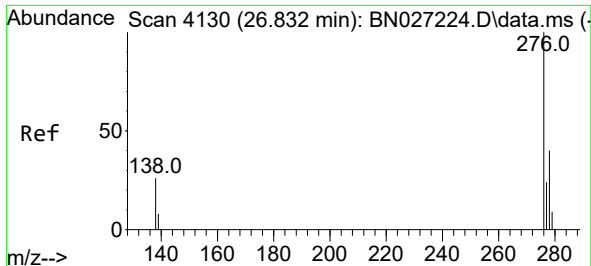
Tgt Ion:149 Resp: 2020
Ion Ratio Lower Upper
149 100
167 25.8 22.1 33.1
279 2.5 2.7 4.1#



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.145 min Scan# 3211
Delta R.T. -0.012 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

Tgt Ion:264 Resp: 11242
Ion Ratio Lower Upper
264 100
260 26.9 20.7 31.1
265 76.2 53.3 79.9

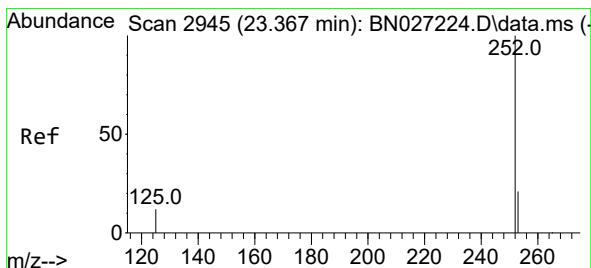
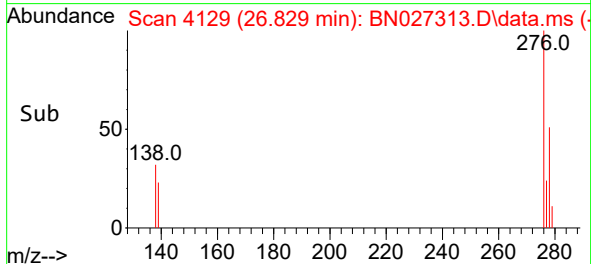
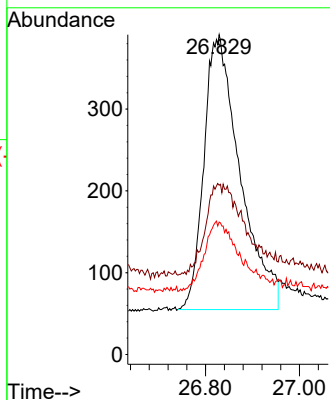
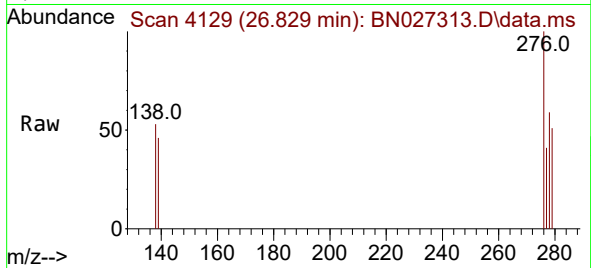




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.039 ng
RT: 26.829 min Scan# 4130
Delta R.T. -0.003 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

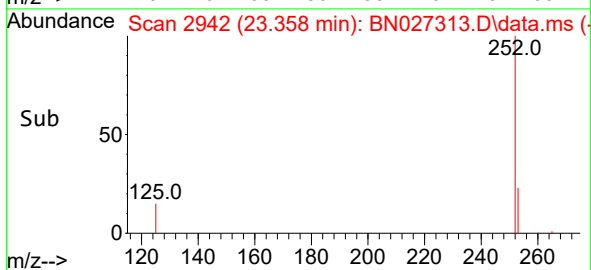
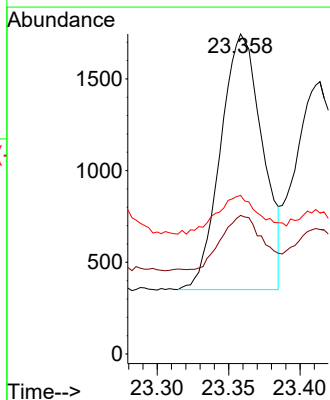
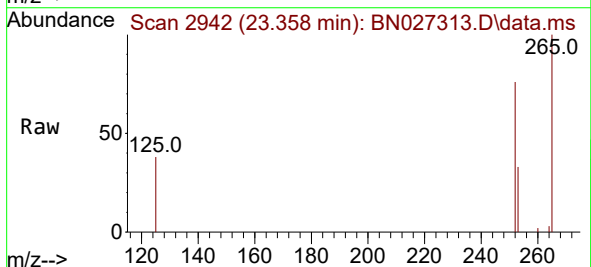
Instrument :
BNA_N
ClientSampleId :
DUP10-20230822

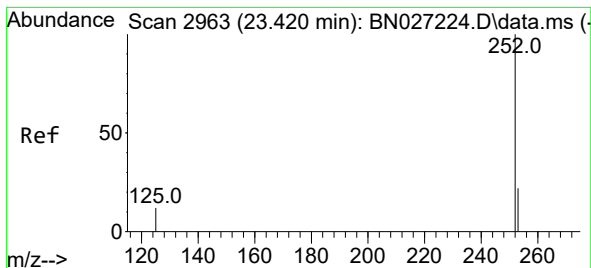
Tgt Ion:276 Resp: 1794
Ion Ratio Lower Upper
276 100
138 15.1 23.4 35.2#
277 9.5 19.8 29.8#



#37
Benzo(b)fluoranthene
Concen: 0.065 ng
RT: 23.358 min Scan# 2942
Delta R.T. -0.009 min
Lab File: BN027313.D
Acq: 31 Aug 2023 16:58

Tgt Ion:252 Resp: 2845
Ion Ratio Lower Upper
252 100
253 43.3 19.9 29.9#
125 49.6 13.8 20.6#





#38

Benzo(k)fluoranthene

Concen: 0.054 ng

RT: 23.414 min Scan# 2961

Delta R.T. -0.006 min

Lab File: BN027313.D

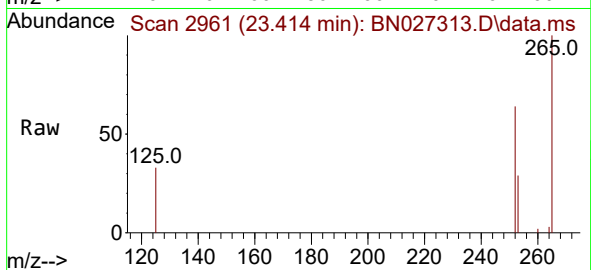
Acq: 31 Aug 2023 16:58

Instrument :

BNA_N

ClientSampleId :

DUP10-20230822



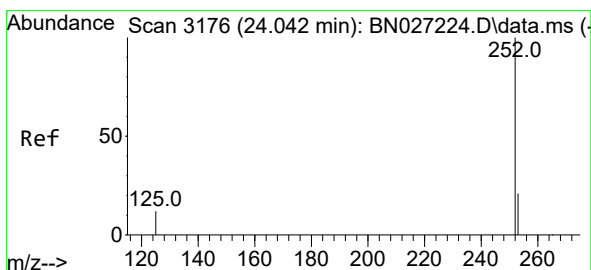
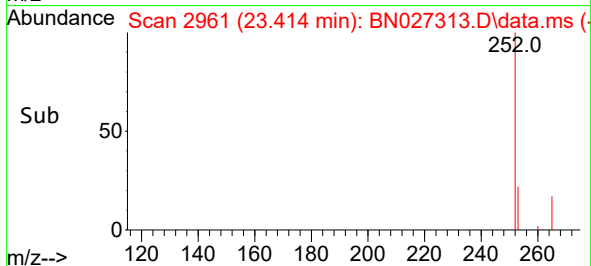
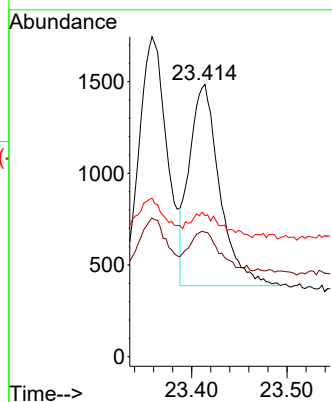
Tgt Ion:252 Resp: 2434

Ion Ratio Lower Upper

252 100

253 45.7 20.2 30.2#

125 51.8 14.1 21.1#



#39

Benzo(a)pyrene

Concen: 0.048 ng

RT: 24.034 min Scan# 3173

Delta R.T. -0.009 min

Lab File: BN027313.D

Acq: 31 Aug 2023 16:58

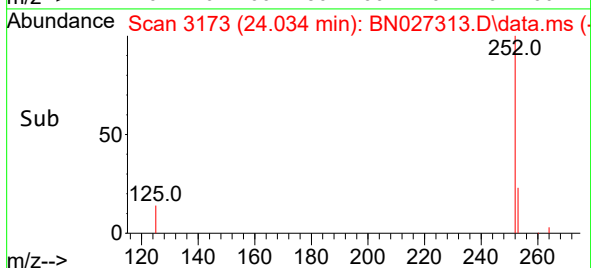
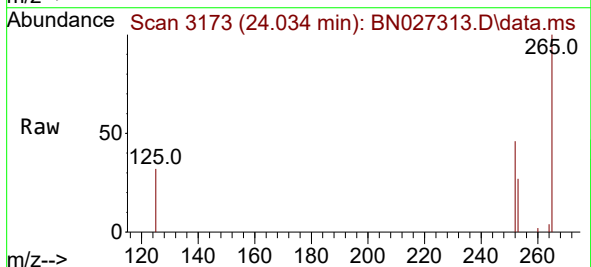
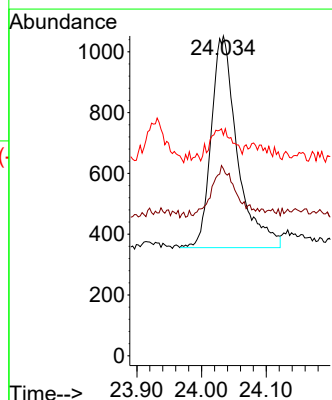
Tgt Ion:252 Resp: 1952

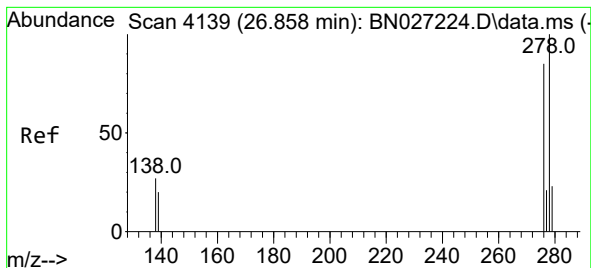
Ion Ratio Lower Upper

252 100

253 58.5 21.4 32.0#

125 69.0 16.5 24.7#





#40

Dibenzo(a,h)anthracene

Concen: 0.037 ng

RT: 26.858 min Scan# 4139

Delta R.T. 0.000 min

Lab File: BN027313.D

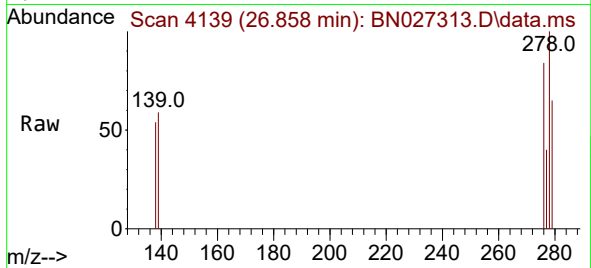
Acq: 31 Aug 2023 16:58

Instrument :

BNA_N

ClientSampleId :

DUP10-20230822



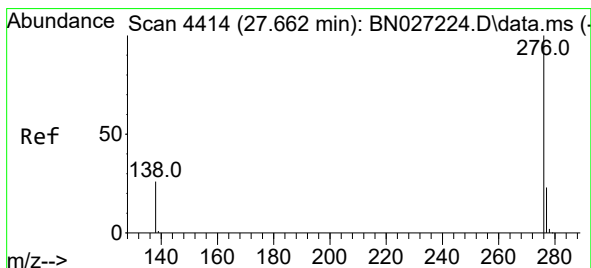
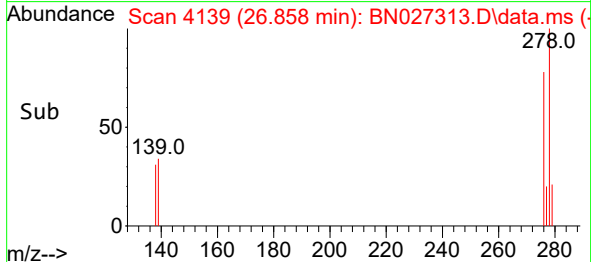
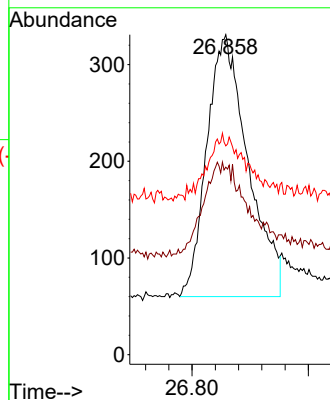
Tgt Ion:278 Resp: 1335

Ion Ratio Lower Upper

278 100

139 58.6 17.9 26.9#

279 65.3 21.8 32.6#



#41

Benzo(g,h,i)perylene

Concen: 0.034 ng

RT: 27.656 min Scan# 4412

Delta R.T. -0.006 min

Lab File: BN027313.D

Acq: 31 Aug 2023 16:58

Tgt Ion:276 Resp: 1408

Ion Ratio Lower Upper

276 100

277 42.9 19.6 29.4#

138 54.3 22.1 33.1#

