

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050923\
 Data File : BN025367.D
 Acq On : 09 May 2023 15:05
 Operator : CG/JU
 Sample : 02588-11DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-3-6-05022023DL

Quant Time: May 10 03:58:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 10:18:02 2023
 Response via : Initial Calibration

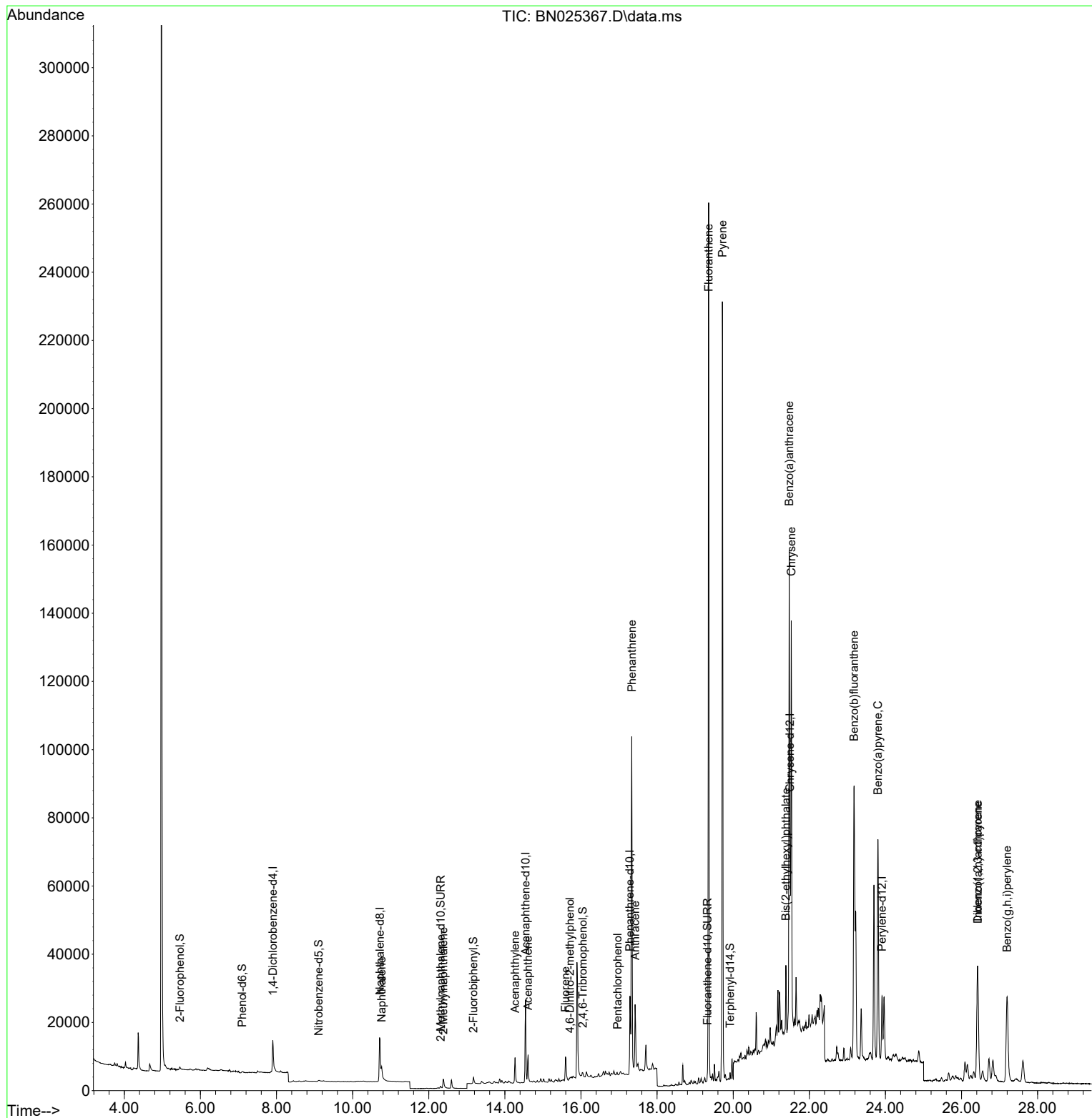
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	6724	0.400	ng	0.00
7) Naphthalene-d8	10.718	136	23777	0.400	ng	0.01
13) Acenaphthene-d10	14.544	164	14631	0.400	ng	0.00
19) Phenanthrene-d10	17.286	188	32729	0.400	ng	#-0.01
29) Chrysene-d12	21.491	240	28380	0.400	ng	0.00
35) Perylene-d12	23.910	264	25948	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	822	0.050	ng	0.00
5) Phenol-d6	7.095	99	791	0.039	ng	0.02
8) Nitrobenzene-d5	9.106	82	602	0.031	ng	0.03
11) 2-Methylnaphthalene-d10	12.313	152	1381	0.042	ng	0.01
14) 2,4,6-Tribromophenol	16.045	330	234	0.031	ng	0.00
15) 2-Fluorobiphenyl	13.176	172	2119	0.042	ng	0.00
27) Fluoranthene-d10	19.325	212	3196	0.039	ng	0.00
31) Terphenyl-d14	19.920	244	2403	0.042	ng	0.00
Target Compounds						
9) Naphthalene	10.761	128	5827	0.096	ng	# 95
12) 2-Methylnaphthalene	12.385	142	3078	0.071	ng	94
16) Acenaphthylene	14.267	152	9431	0.144	ng	98
17) Acenaphthene	14.609	154	4186	0.103	ng	98
18) Fluorene	15.592	166	5799	0.104	ng	# 99
20) 4,6-Dinitro-2-methylph...	15.710	198	21	0.283	ng	# 1
24) Pentachlorophenol	16.963	266	46	0.272	ng	# 43
25) Phenanthrene	17.336	178	109300	1.207	ng	100
26) Anthracene	17.423	178	24944	0.294	ng	98
28) Fluoranthene	19.355	202	234969	2.077	ng	99
30) Pyrene	19.717	202	205175	2.115	ng	# 96
32) Benzo(a)anthracene	21.473	228	118765	1.238	ng	98
33) Chrysene	21.527	228	110497	1.157	ng	98
34) Bis(2-ethylhexyl)phtha...	21.383	149	17695	0.235	ng	96
36) Indeno(1,2,3-cd)pyrene	26.424	276	57679	0.554	ng	95
37) Benzo(b)fluoranthene	23.176	252	141923	1.725	ng	98
39) Benzo(a)pyrene	23.802	252	97807	1.161	ng	95
40) Dibenzo(a,h)anthracene	26.427	278	14048	0.171	ng	# 77
41) Benzo(g,h,i)perylene	27.196	276	58768	0.651	ng	100

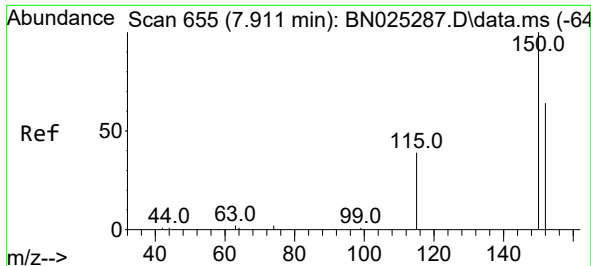
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Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050923\
Data File : BN025367.D
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Misc :
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Instrument :
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ClientSampleId :
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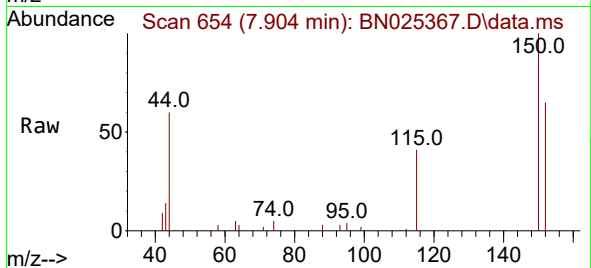
Quant Time: May 10 03:58:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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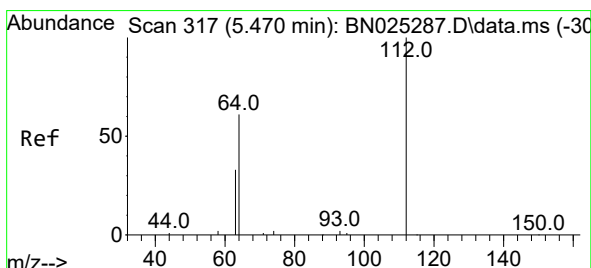
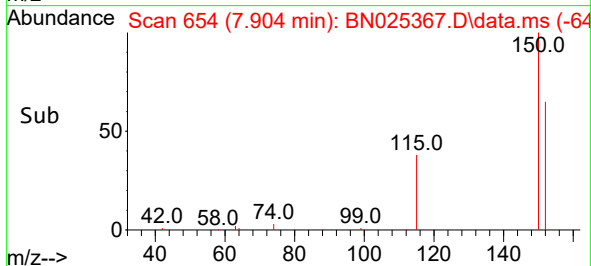
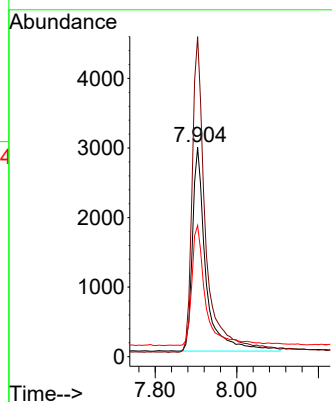
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023DL



Tgt Ion:152 Resp: 6724

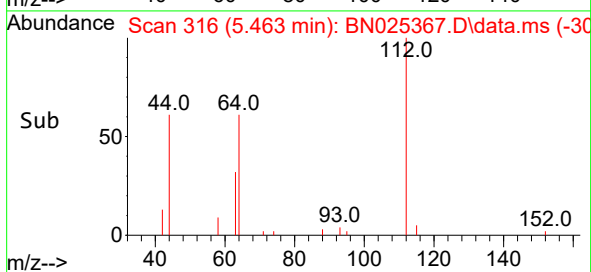
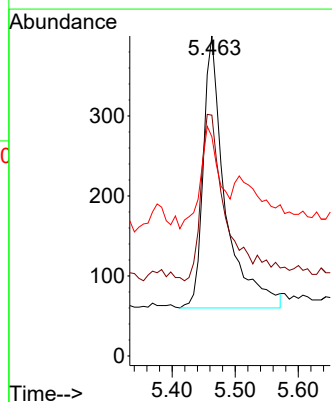
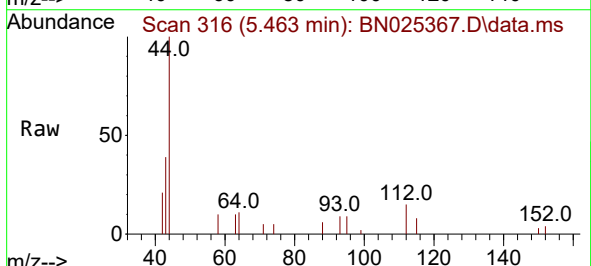
Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.8	185.8
115	62.7	52.9	79.3

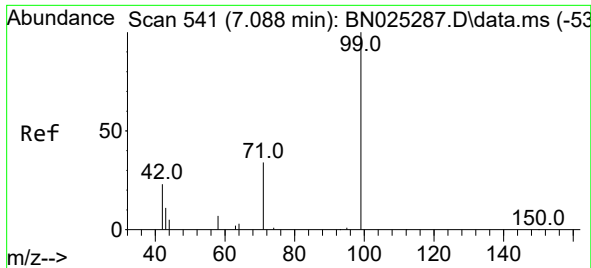


#4
2-Fluorophenol
Concen: 0.050 ng
RT: 5.463 min Scan# 316
Delta R.T. 0.007 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

Tgt Ion:112 Resp: 822

Ion	Ratio	Lower	Upper
112	100		
64	65.2	51.5	77.3
63	33.1	27.8	41.6

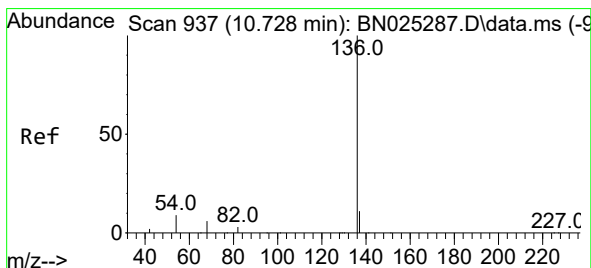
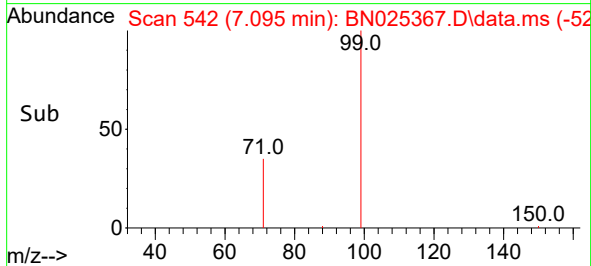
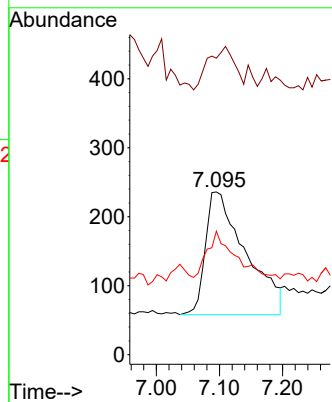
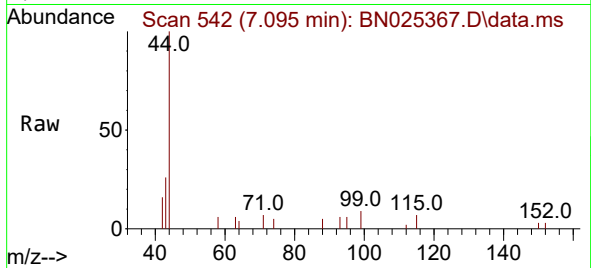




#5
Phenol-d6
Concen: 0.039 ng
RT: 7.095 min Scan# 541
Delta R.T. 0.022 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

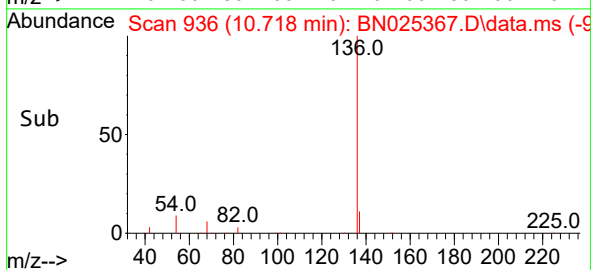
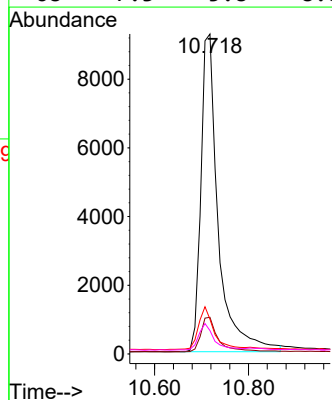
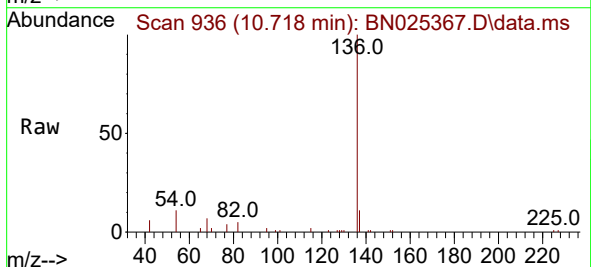
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023DL

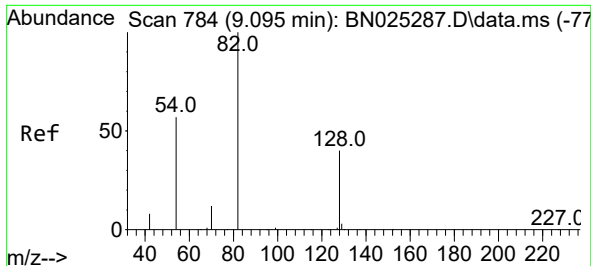
Tgt Ion: 99 Resp: 791
Ion Ratio Lower Upper
99 100
42 22.8 22.0 33.0
71 30.0 28.7 43.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.718 min Scan# 936
Delta R.T. 0.011 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

Tgt Ion: 136 Resp: 23777
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.2
54 10.9 8.5 12.7
68 7.3 5.8 8.8

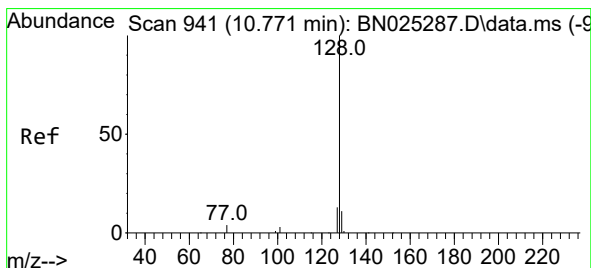
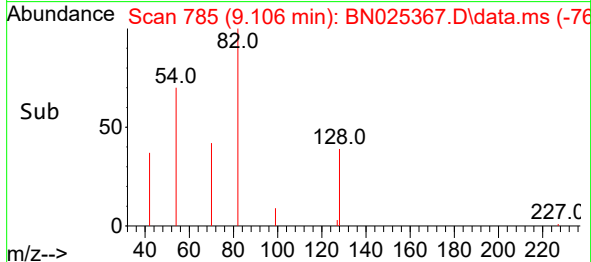
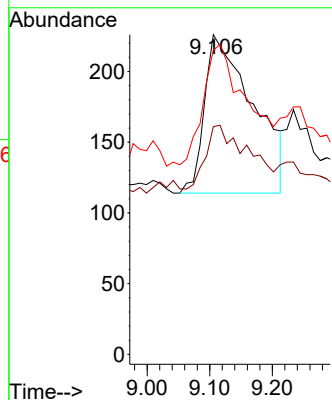
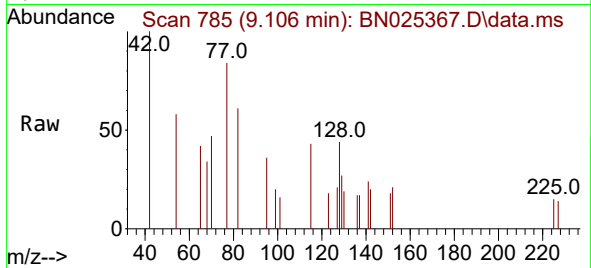




#8
Nitrobenzene-d5
Concen: 0.031 ng
RT: 9.106 min Scan# 71
Delta R.T. 0.032 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

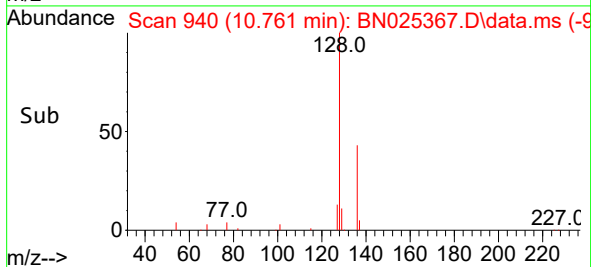
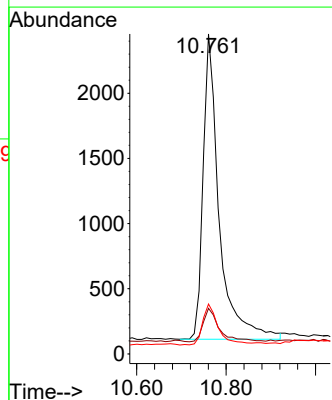
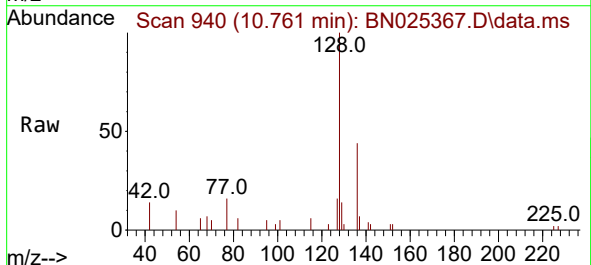
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023DL

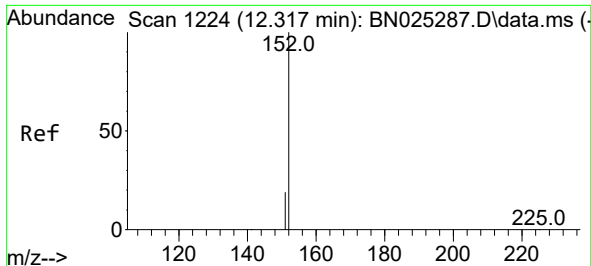
Tgt Ion: 82 Resp: 602
Ion Ratio Lower Upper
82 100
128 71.2 35.3 52.9#
54 95.1 48.7 73.1#



#9
Naphthalene
Concen: 0.096 ng
RT: 10.761 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

Tgt Ion: 128 Resp: 5827
Ion Ratio Lower Upper
128 100
129 14.2 9.4 14.2#
127 15.6 11.0 16.6





#11

2-Methylnaphthalene-d10

Concen: 0.042 ng

RT: 12.313 min Scan# 11

Delta R.T. 0.012 min

Lab File: BN025367.D

Acq: 09 May 2023 15:05

Instrument :

BNA_N

ClientSampleId :

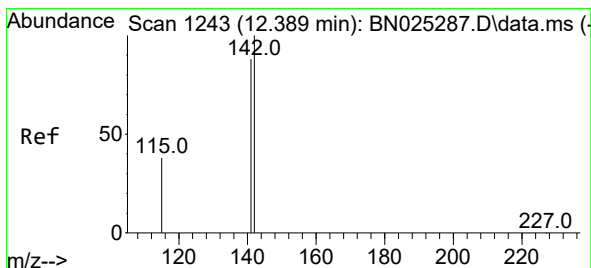
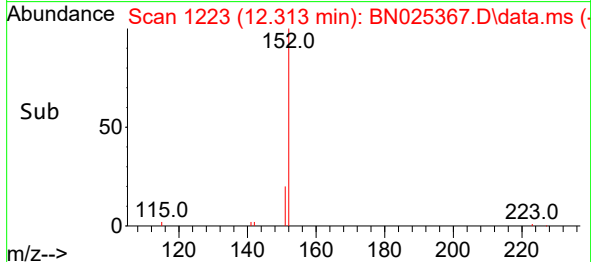
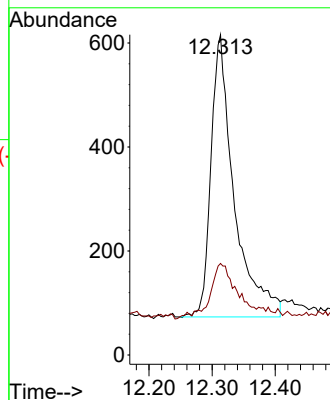
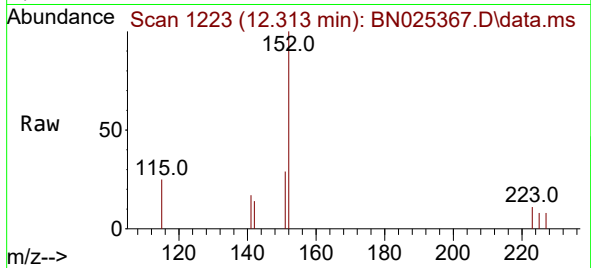
ZONE-D-3-6-05022023DL

Tgt Ion:152 Resp: 1381

Ion Ratio Lower Upper

152 100

151 19.8 16.4 24.6



#12

2-Methylnaphthalene

Concen: 0.071 ng

RT: 12.385 min Scan# 1242

Delta R.T. 0.008 min

Lab File: BN025367.D

Acq: 09 May 2023 15:05

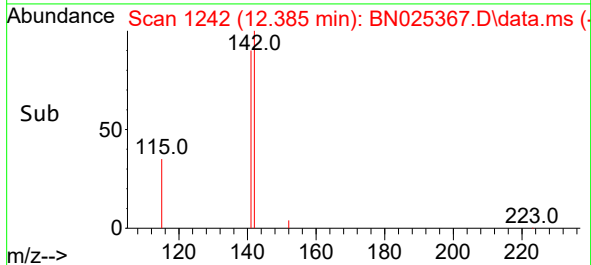
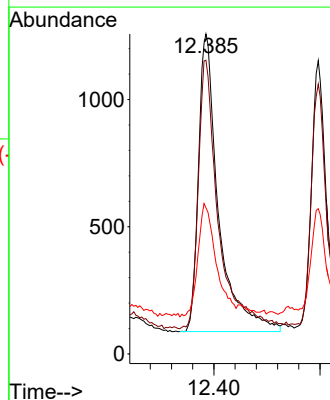
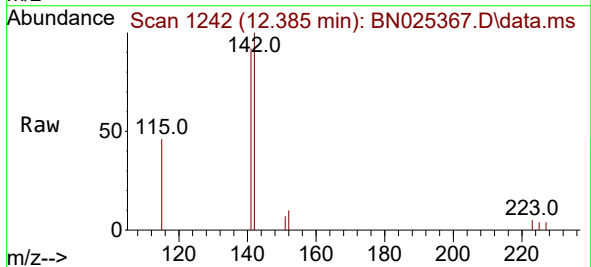
Tgt Ion:142 Resp: 3078

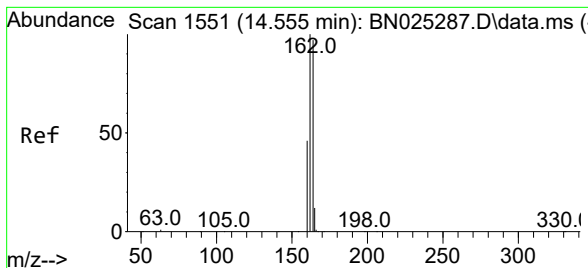
Ion Ratio Lower Upper

142 100

141 91.8 70.5 105.7

115 45.6 31.6 47.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.544 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BN025367.D

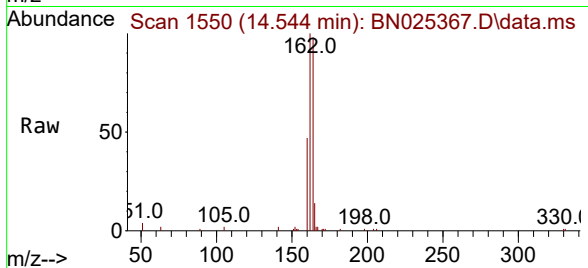
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Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023DL



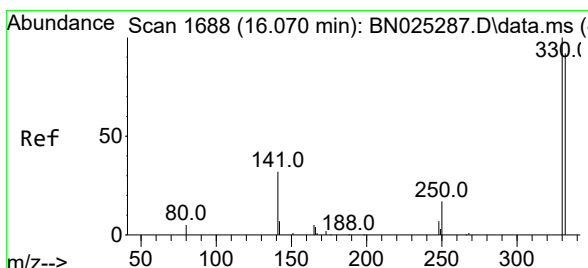
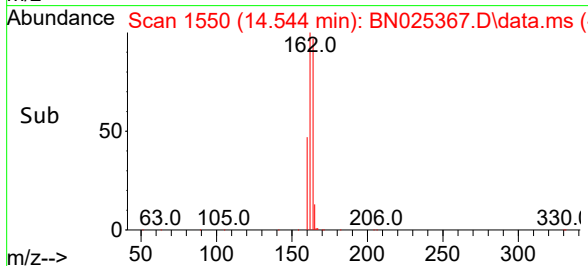
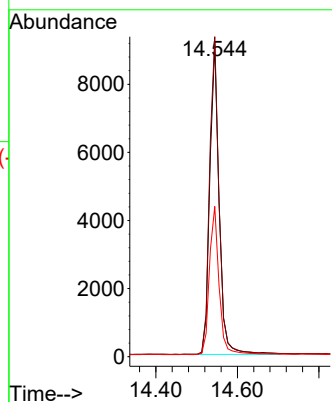
Tgt Ion:164 Resp: 14631

Ion Ratio Lower Upper

164 100

162 102.5 82.1 123.1

160 48.1 38.3 57.5



#14

2,4,6-Tribromophenol

Concen: 0.031 ng

RT: 16.045 min Scan# 1686

Delta R.T. 0.000 min

Lab File: BN025367.D

Acq: 09 May 2023 15:05

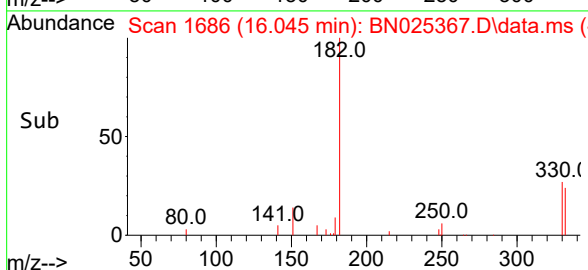
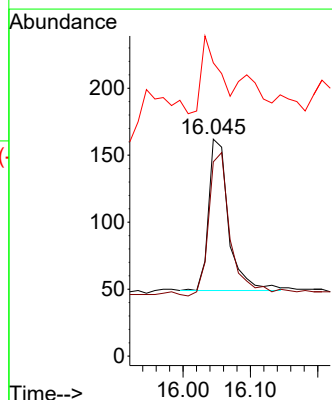
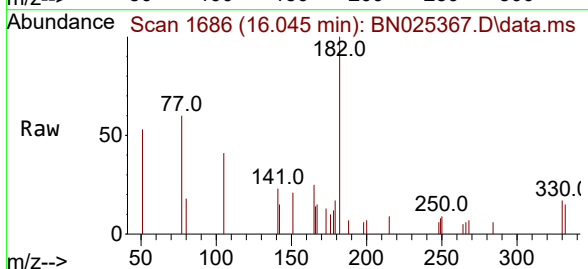
Tgt Ion:330 Resp: 234

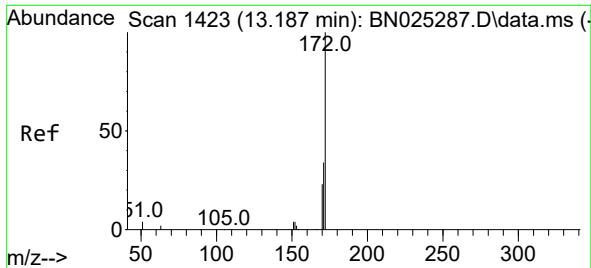
Ion Ratio Lower Upper

330 100

332 102.1 77.4 116.0

141 0.0 28.9 43.3#

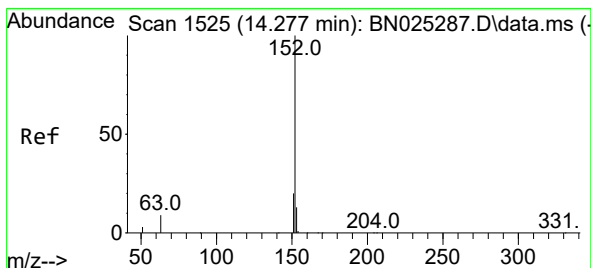
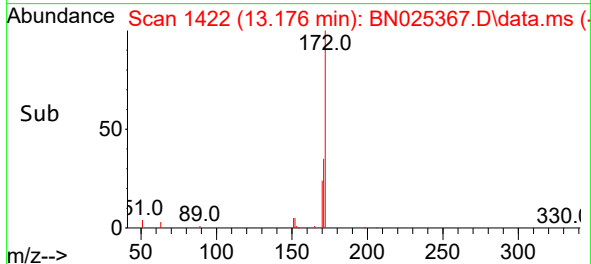
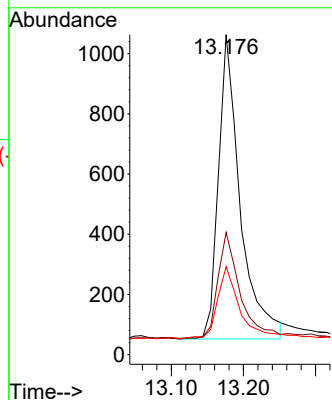
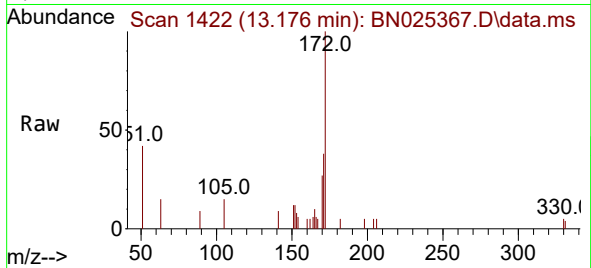




#15
2-Fluorobiphenyl
Concen: 0.042 ng
RT: 13.176 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

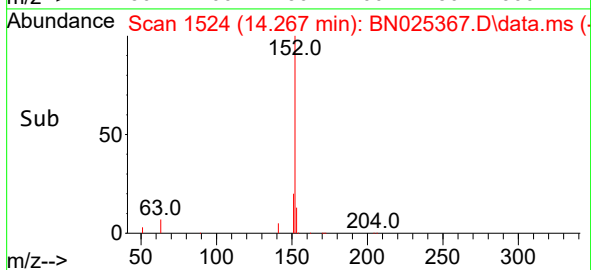
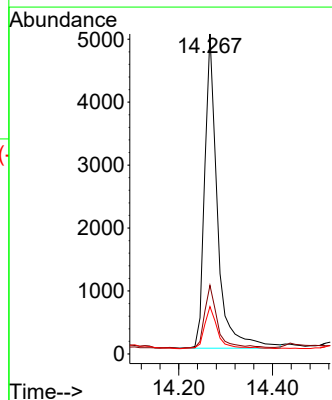
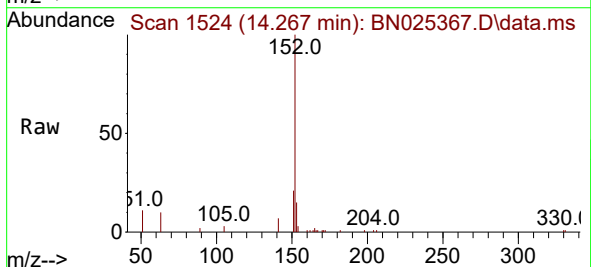
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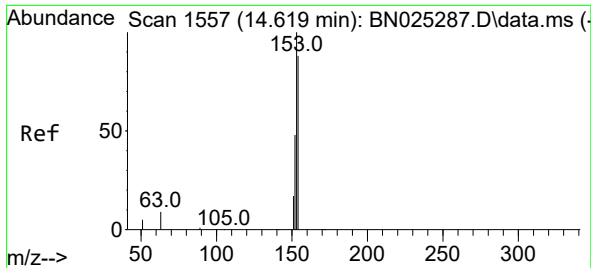
Tgt Ion:	172	Resp:	2119
Ion	Ratio	Lower	Upper
172	100		
171	38.2	27.9	41.9
170	27.5	19.0	28.4



#16
Acenaphthylene
Concen: 0.144 ng
RT: 14.267 min Scan# 1524
Delta R.T. 0.000 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

Tgt Ion:	152	Resp:	9431
Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.1	24.1
153	13.9	10.3	15.5

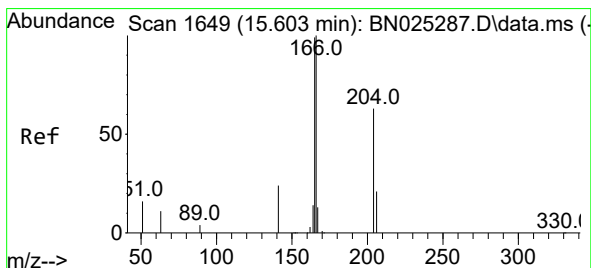
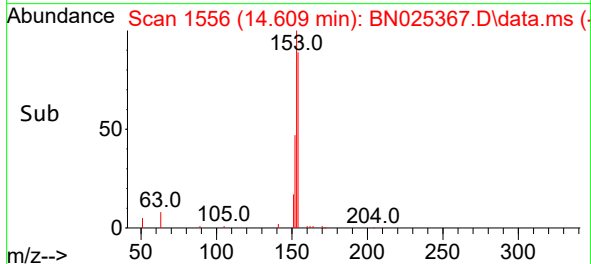
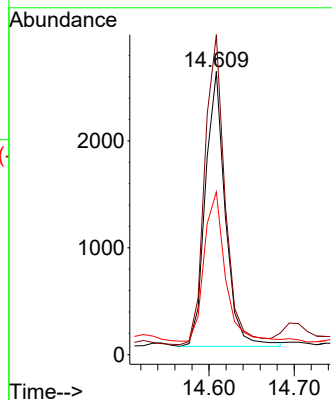
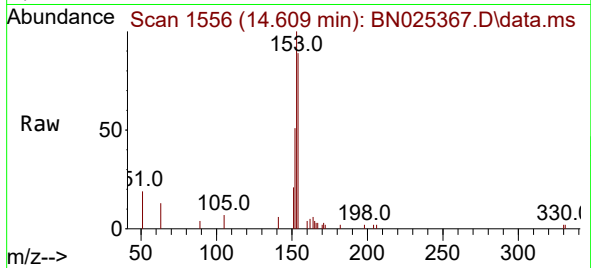




#17
Acenaphthene
Concen: 0.103 ng
RT: 14.609 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

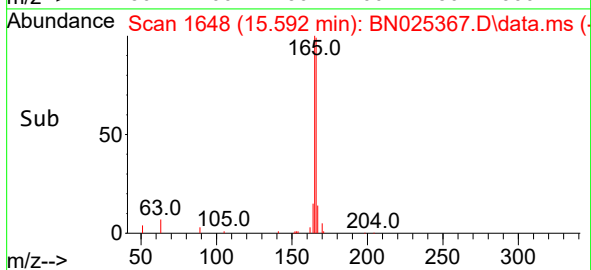
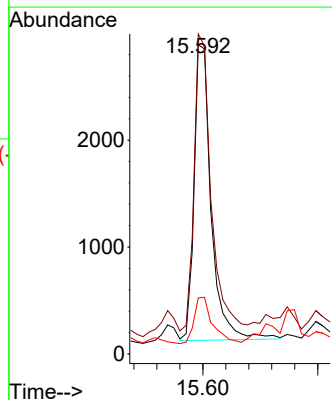
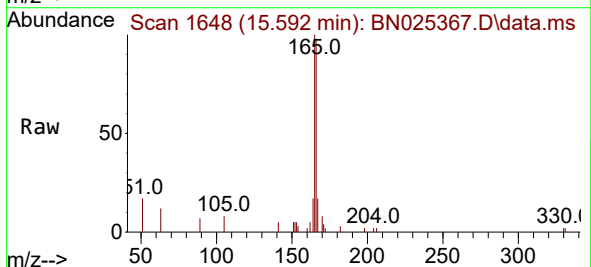
Instrument :
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ClientSampleId :
ZONE-D-3-6-05022023DL

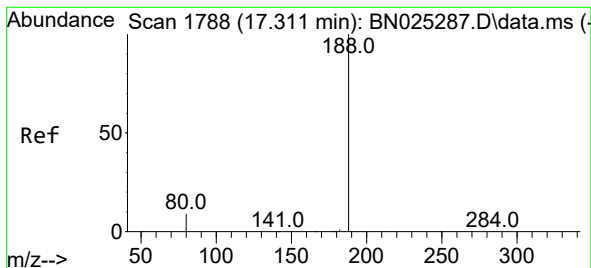
Tgt Ion:154 Resp: 4186
Ion Ratio Lower Upper
154 100
153 113.6 91.3 136.9
152 58.7 44.7 67.1



#18
Fluorene
Concen: 0.104 ng
RT: 15.592 min Scan# 1648
Delta R.T. 0.000 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

Tgt Ion:166 Resp: 5799
Ion Ratio Lower Upper
166 100
165 98.6 79.0 118.4
167 16.7 10.3 15.5#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.286 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN025367.D

Acq: 09 May 2023 15:05

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023DL

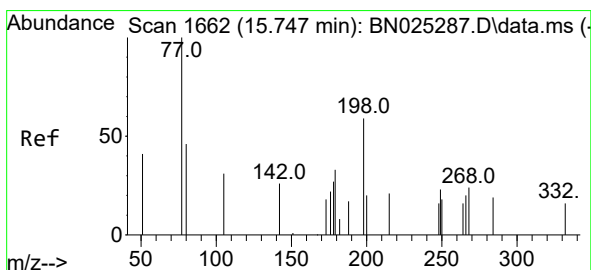
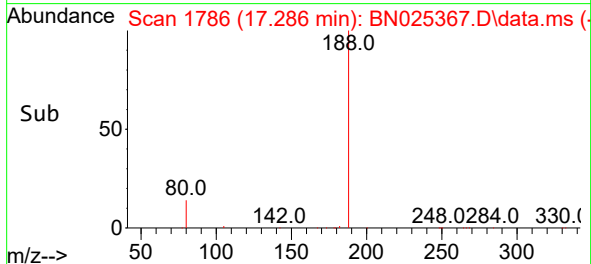
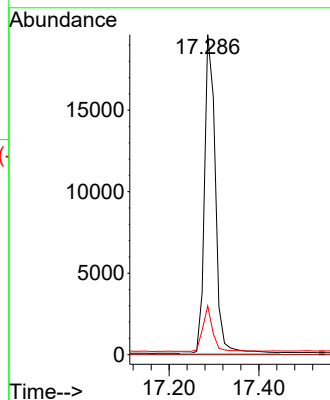
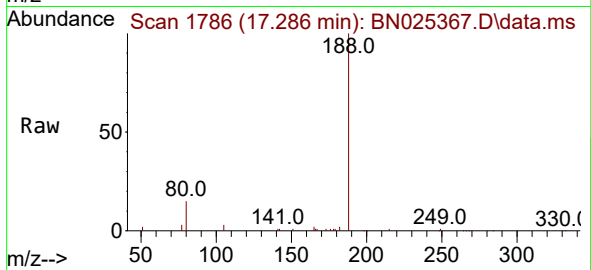
Tgt Ion:188 Resp: 32729

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.3 8.0 12.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.283 ng

RT: 15.710 min Scan# 1659

Delta R.T. -0.012 min

Lab File: BN025367.D

Acq: 09 May 2023 15:05

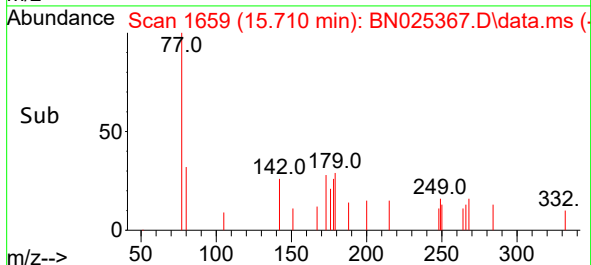
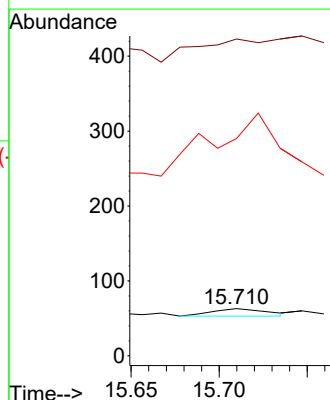
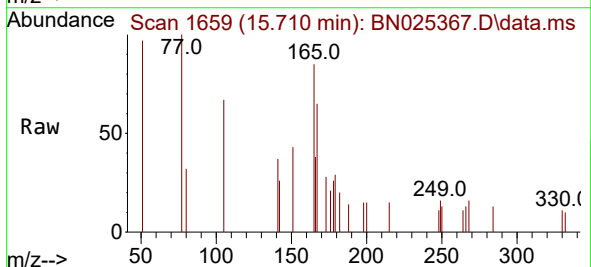
Tgt Ion:198 Resp: 21

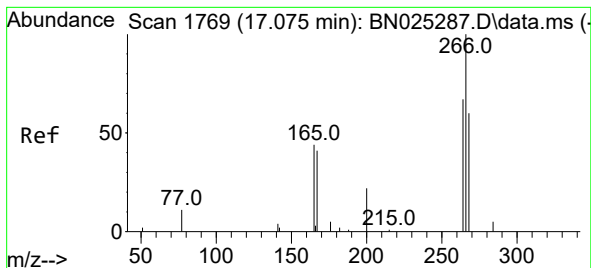
Ion Ratio Lower Upper

198 100

51 671.4 162.1 243.1#

105 460.3 83.1 124.7#





#24

Pentachlorophenol

Concen: 0.272 ng

RT: 16.963 min Scan# 1760

Delta R.T. 0.000 min

Lab File: BN025367.D

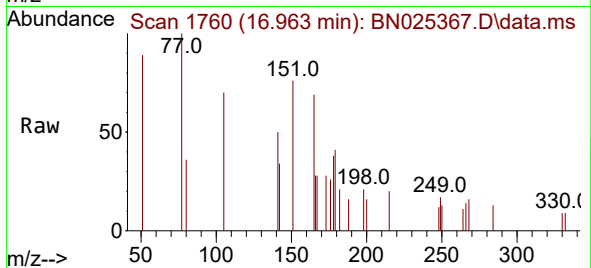
Acq: 09 May 2023 15:05

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023DL



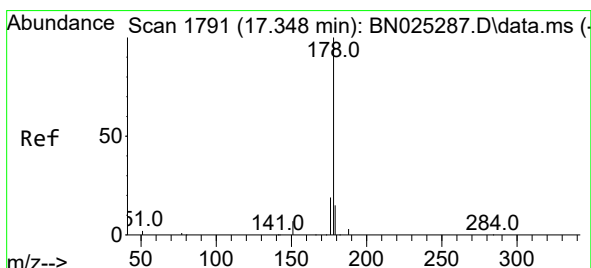
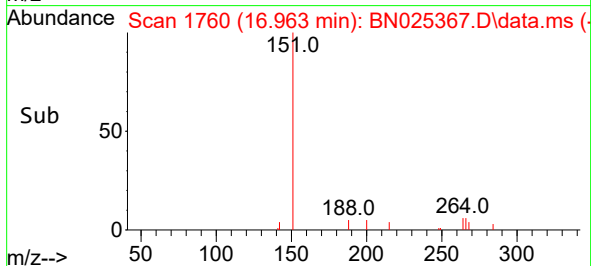
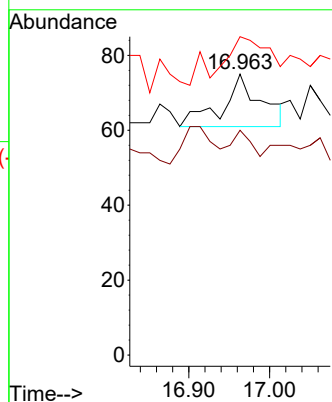
Tgt Ion:266 Resp: 46

Ion Ratio Lower Upper

266 100

264 21.7 43.0 64.4#

268 110.9 47.4 71.2#



#25

Phenanthrene

Concen: 1.207 ng

RT: 17.336 min Scan# 1790

Delta R.T. 0.000 min

Lab File: BN025367.D

Acq: 09 May 2023 15:05

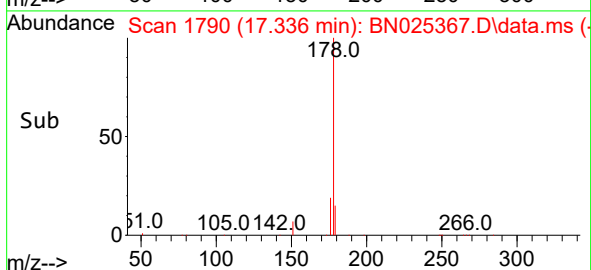
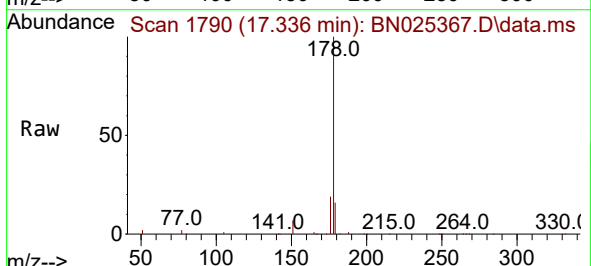
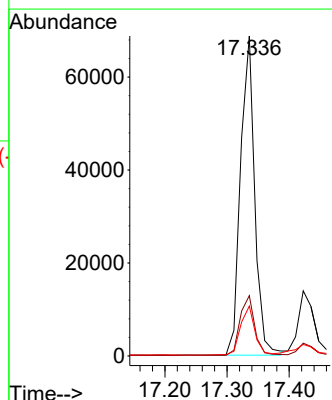
Tgt Ion:178 Resp: 109300

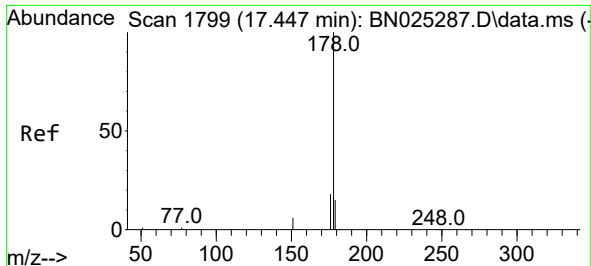
Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 15.4 12.4 18.6

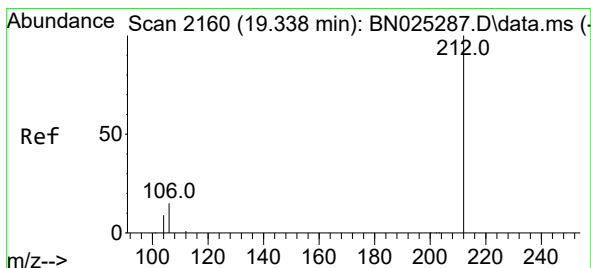
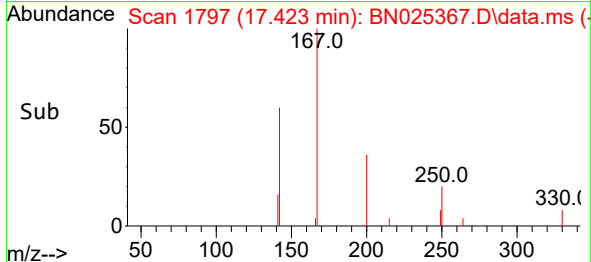
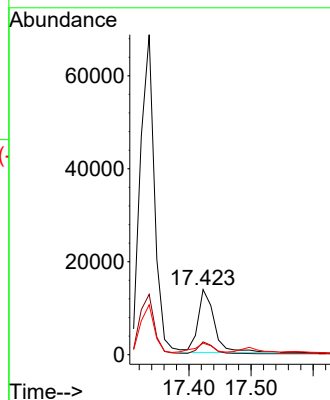
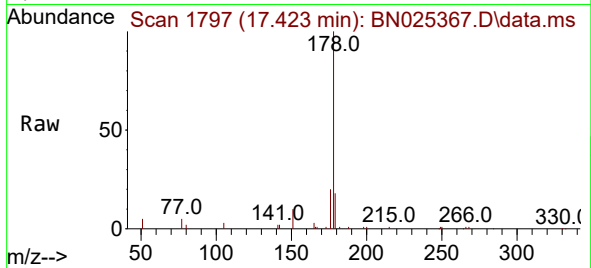




#26
 Anthracene
 Concen: 0.294 ng
 RT: 17.423 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN025367.D
 Acq: 09 May 2023 15:05

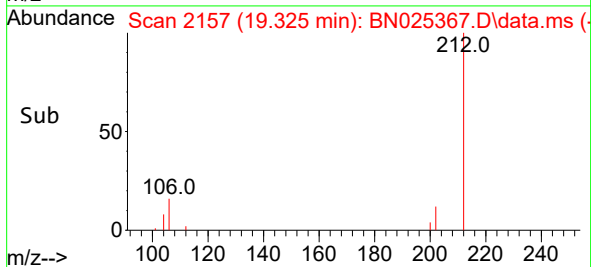
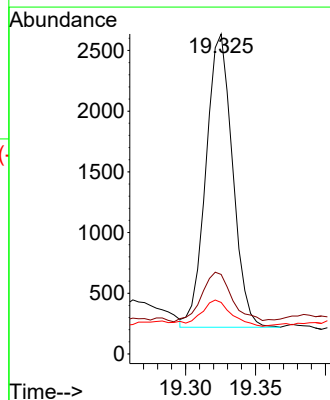
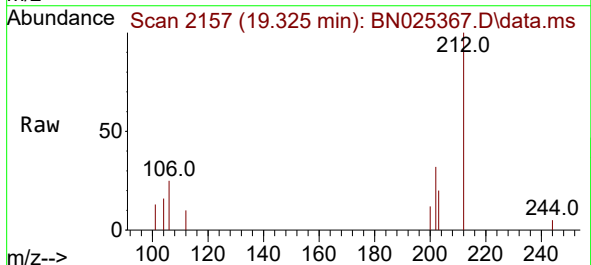
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-3-6-05022023DL

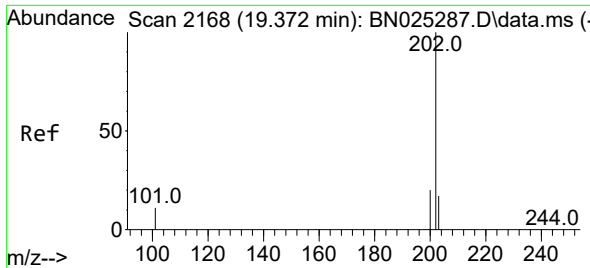
Tgt Ion:178 Resp: 24944
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.9 22.3
 179 15.8 12.0 18.0



#27
 Fluoranthene-d10
 Concen: 0.039 ng
 RT: 19.325 min Scan# 2157
 Delta R.T. -0.004 min
 Lab File: BN025367.D
 Acq: 09 May 2023 15:05

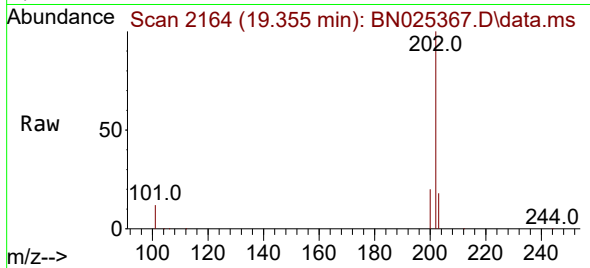
Tgt Ion:212 Resp: 3196
 Ion Ratio Lower Upper
 212 100
 106 19.3 12.6 19.0#
 104 9.7 7.0 10.6



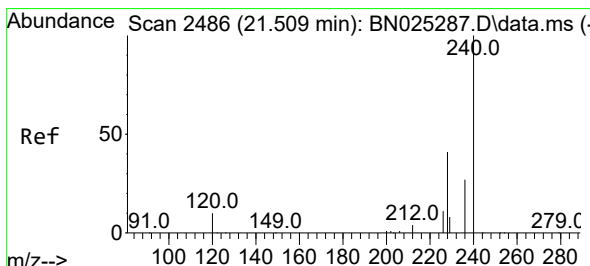
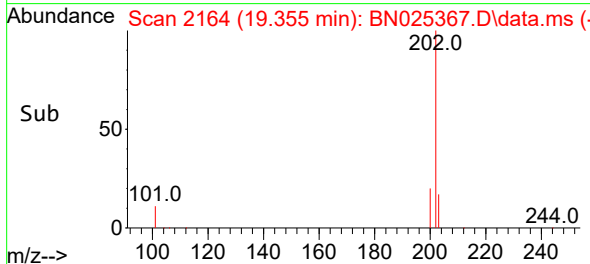
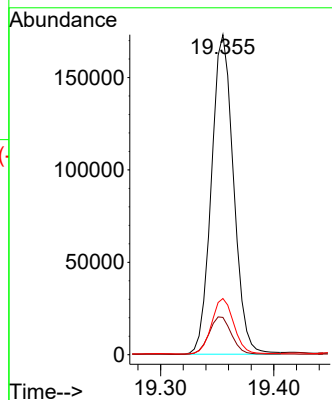


#28
Fluoranthene
Concen: 2.077 ng
RT: 19.355 min Scan# 2164
Delta R.T. -0.004 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023DL

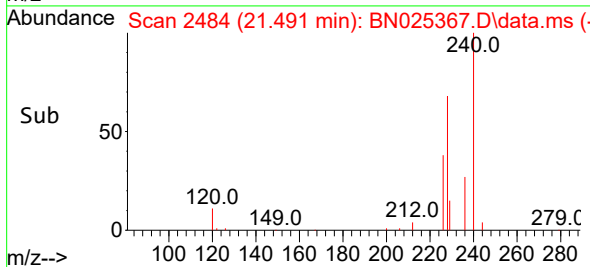
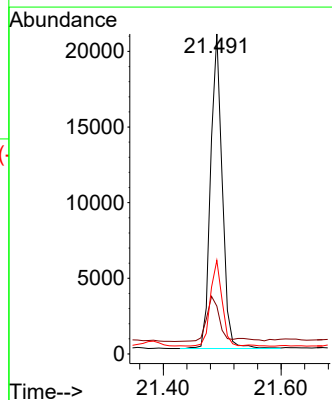
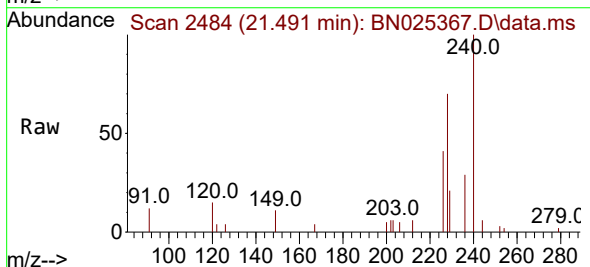


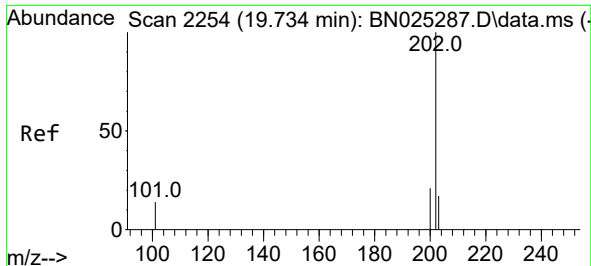
Tgt Ion:202 Resp: 234969
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.8
203 17.2 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.491 min Scan# 2484
Delta R.T. 0.005 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

Tgt Ion:240 Resp: 28380
Ion Ratio Lower Upper
240 100
120 14.9 10.3 15.5
236 29.2 22.3 33.5

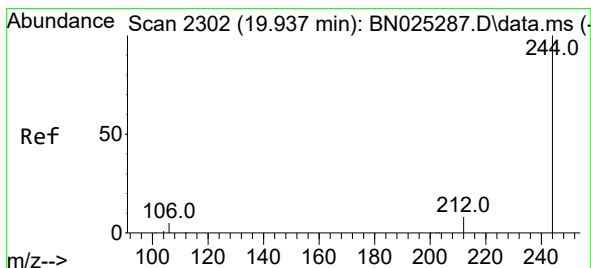
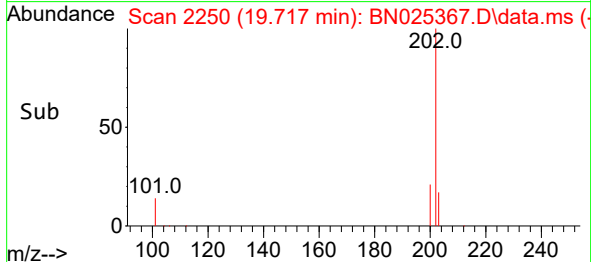
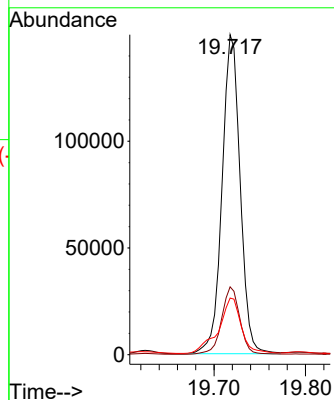
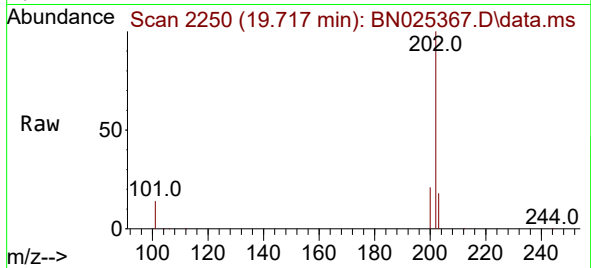




#30
Pyrene
Concen: 2.115 ng
RT: 19.717 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

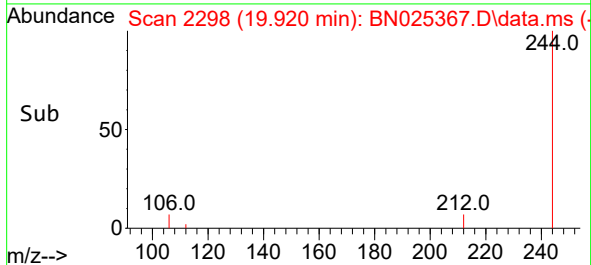
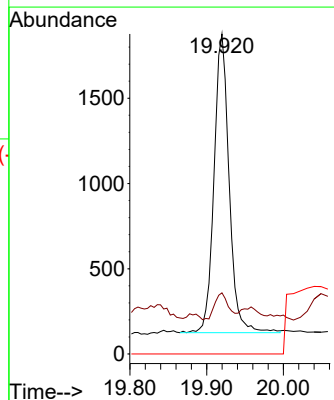
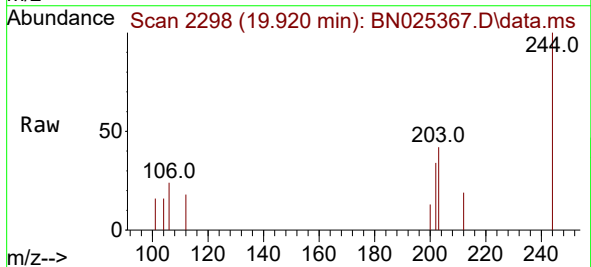
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023DL

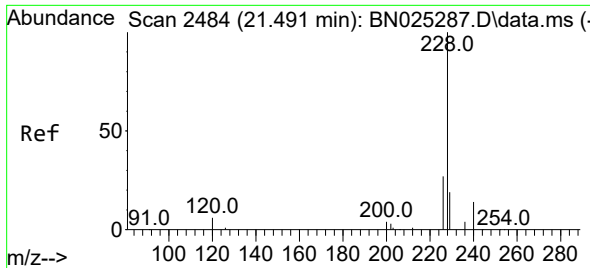
Tgt Ion:202 Resp: 205175
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 21.8 14.4 21.6#



#31
Terphenyl-d14
Concen: 0.042 ng
RT: 19.920 min Scan# 2298
Delta R.T. -0.004 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

Tgt Ion:244 Resp: 2403
Ion Ratio Lower Upper
244 100
212 19.1 7.1 10.7#
122 0.0 0.0 0.0

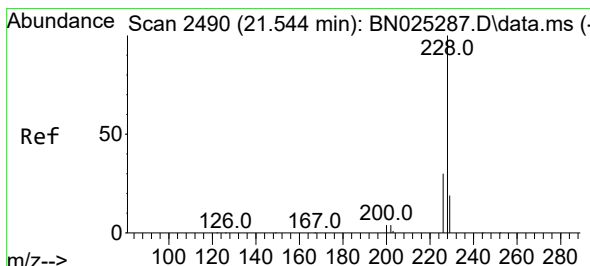
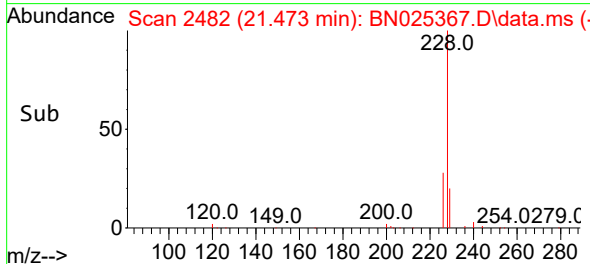
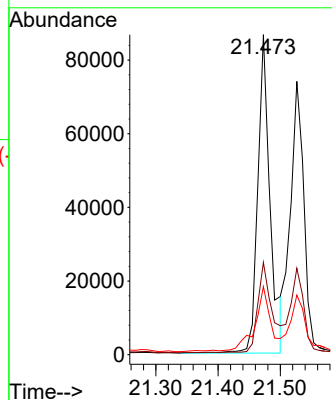
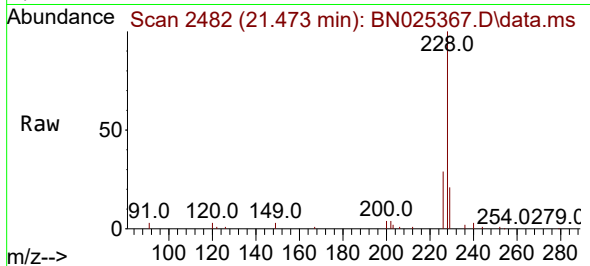




#32
Benzo(a)anthracene
Concen: 1.238 ng
RT: 21.473 min Scan# 2482
Delta R.T. 0.005 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

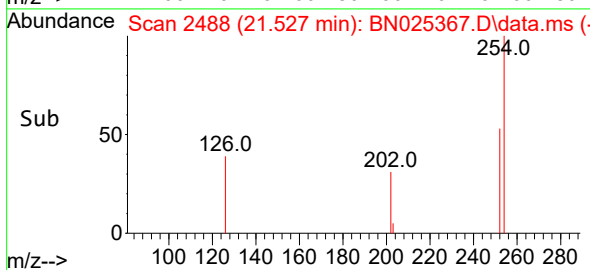
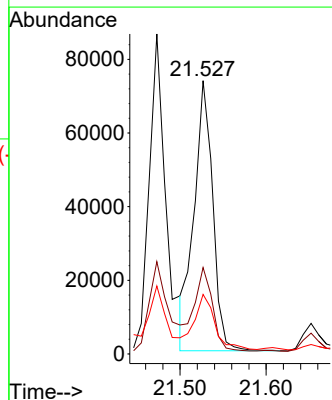
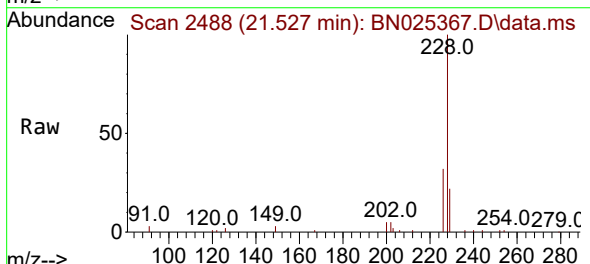
Instrument :
BNA_N
ClientSampleId :
ZONE-D-3-6-05022023DL

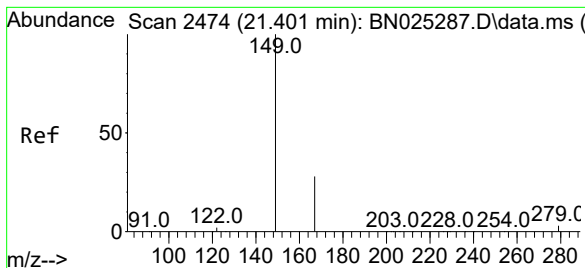
Tgt Ion:228 Resp: 118765
Ion Ratio Lower Upper
228 100
226 28.8 22.5 33.7
229 21.3 16.2 24.2



#33
Chrysene
Concen: 1.157 ng
RT: 21.527 min Scan# 2488
Delta R.T. 0.005 min
Lab File: BN025367.D
Acq: 09 May 2023 15:05

Tgt Ion:228 Resp: 110497
Ion Ratio Lower Upper
228 100
226 31.6 24.6 36.8
229 21.8 16.2 24.4

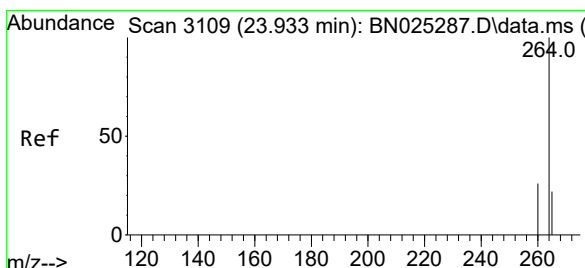
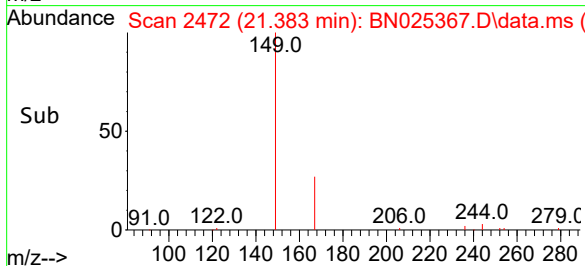
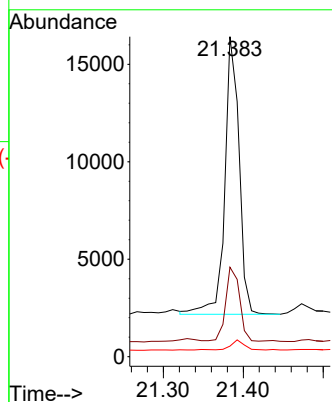
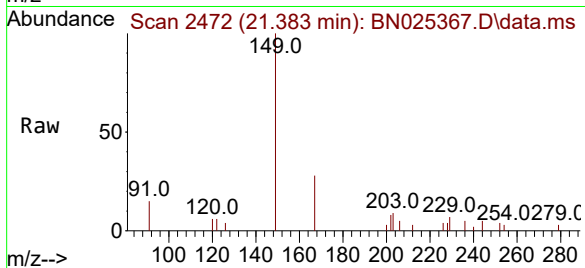




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.235 ng
 RT: 21.383 min Scan# 2472
 Delta R.T. 0.005 min
 Lab File: BN025367.D
 Acq: 09 May 2023 15:05

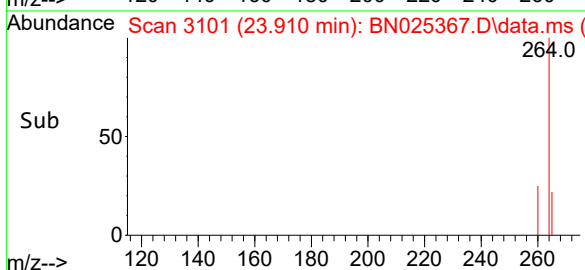
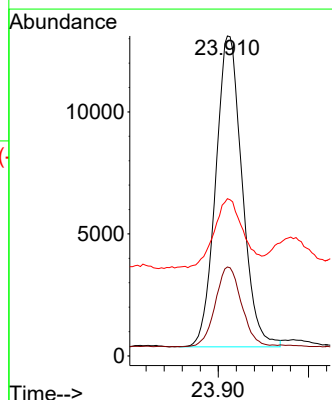
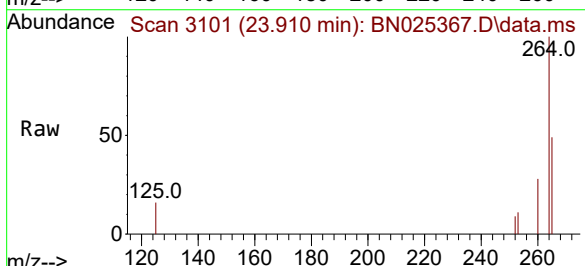
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-3-6-05022023DL

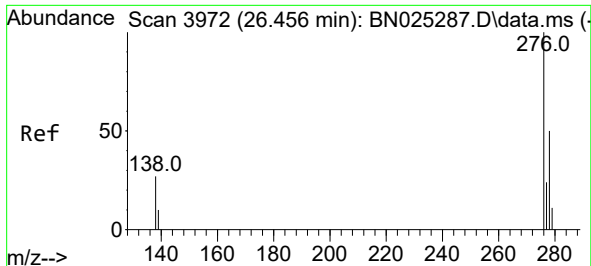
Tgt Ion:149 Resp: 17695
 Ion Ratio Lower Upper
 149 100
 167 25.7 22.2 33.4
 279 3.7 2.6 4.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.910 min Scan# 3101
 Delta R.T. -0.001 min
 Lab File: BN025367.D
 Acq: 09 May 2023 15:05

Tgt Ion:264 Resp: 25948
 Ion Ratio Lower Upper
 264 100
 260 27.8 21.5 32.3
 265 49.2 46.2 69.4

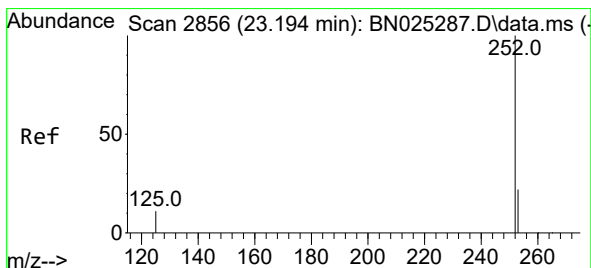
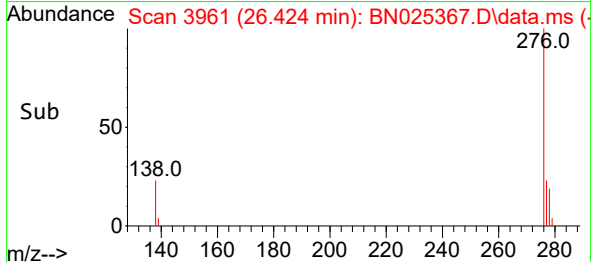
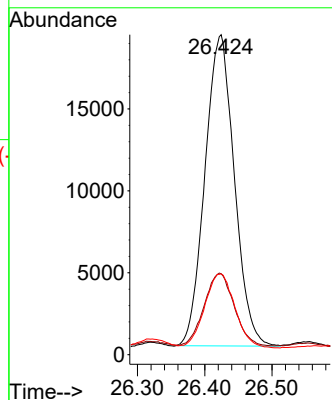
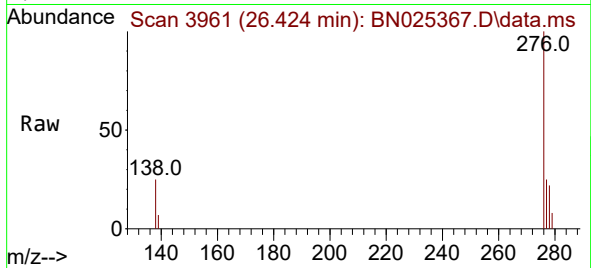




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.554 ng
 RT: 26.424 min Scan# 3972
 Delta R.T. -0.033 min
 Lab File: BN025367.D
 Acq: 09 May 2023 15:05

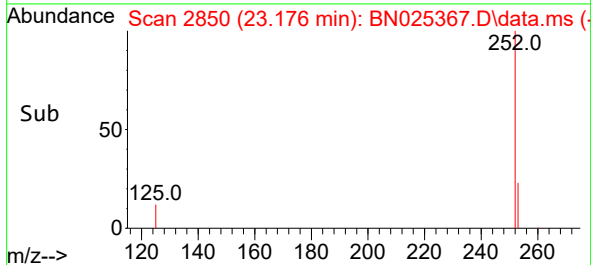
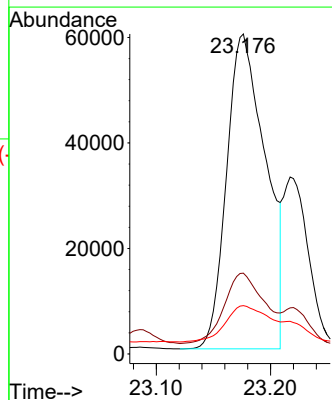
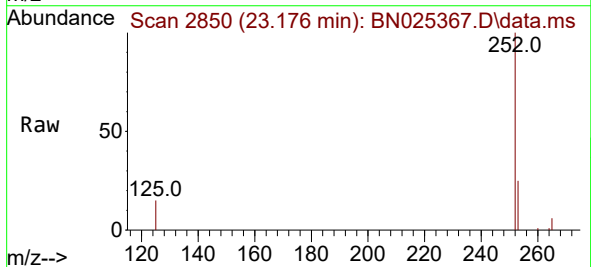
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-3-6-05022023DL

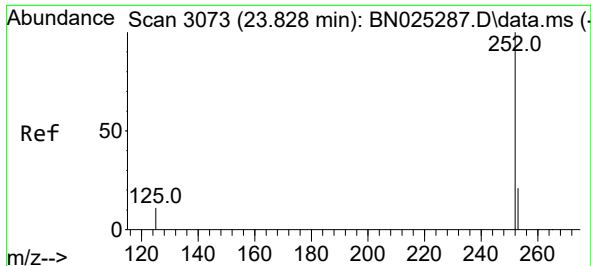
Tgt Ion:276 Resp: 57679
 Ion Ratio Lower Upper
 276 100
 138 23.7 22.5 33.7
 277 24.6 19.8 29.6



#37
 Benzo(b)fluoranthene
 Concen: 1.725 ng
 RT: 23.176 min Scan# 2850
 Delta R.T. 0.005 min
 Lab File: BN025367.D
 Acq: 09 May 2023 15:05

Tgt Ion:252 Resp: 141923
 Ion Ratio Lower Upper
 252 100
 253 25.2 20.8 31.2
 125 15.1 13.4 20.2





#39

Benzo(a)pyrene

Concen: 1.161 ng

RT: 23.802 min Scan# 3073

Delta R.T. -0.010 min

Lab File: BN025367.D

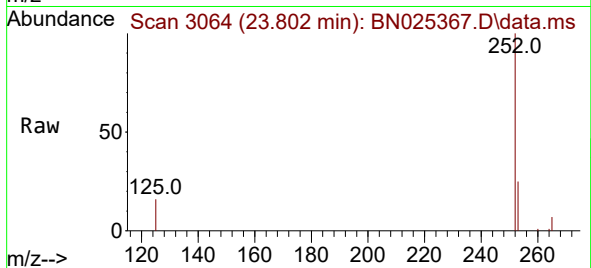
Acq: 09 May 2023 15:05

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023DL



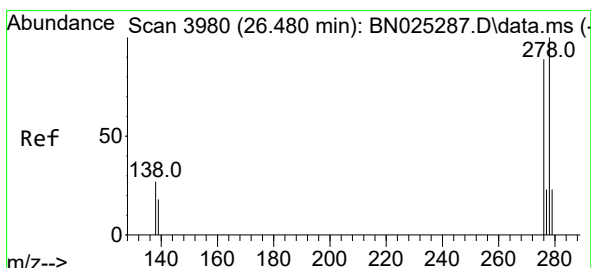
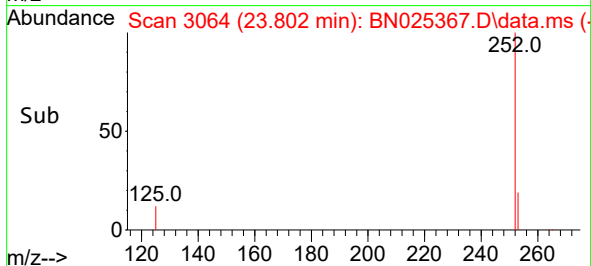
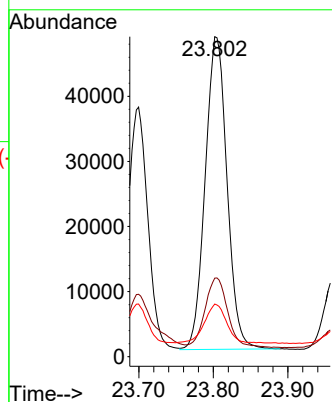
Tgt Ion:252 Resp: 97807

Ion Ratio Lower Upper

252 100

253 24.6 21.4 32.0

125 16.4 15.4 23.2



#40

Dibenzo(a,h)anthracene

Concen: 0.171 ng

RT: 26.427 min Scan# 3962

Delta R.T. -0.045 min

Lab File: BN025367.D

Acq: 09 May 2023 15:05

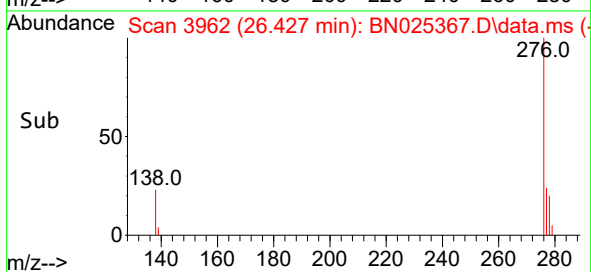
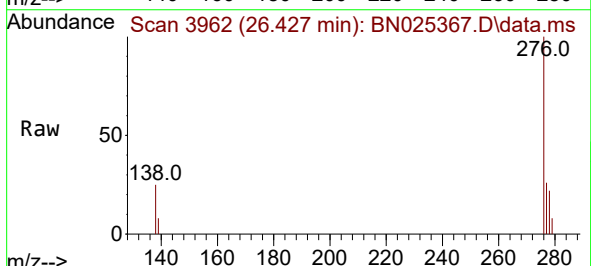
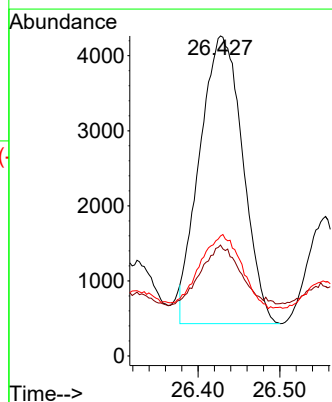
Tgt Ion:278 Resp: 14048

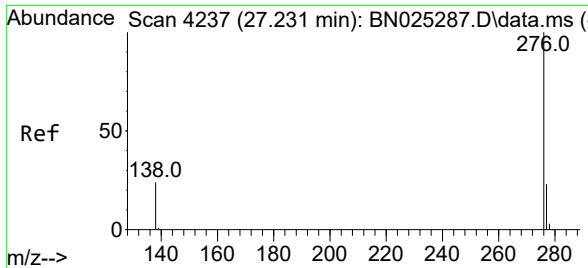
Ion Ratio Lower Upper

278 100

139 34.7 17.6 26.4#

279 37.5 21.6 32.4#





#41

Benzo(g,h,i)perylene

Concen: 0.651 ng

RT: 27.196 min Scan# 41

Delta R.T. -0.039 min

Lab File: BN025367.D

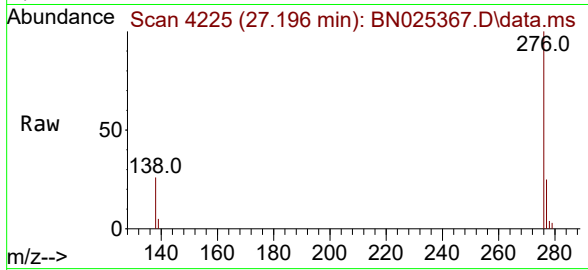
Acq: 09 May 2023 15:05

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023DL



Tgt Ion:276 Resp: 58768

Ion Ratio Lower Upper

276 100

277 25.2 20.1 30.1

138 26.0 21.0 31.6

