

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
 Data File : BN025335.D
 Acq On : 08 May 2023 16:33
 Operator : CG/JU
 Sample : 02588-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 50

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

Quant Time: May 09 04:02:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 08 18:27:02 2023
 Response via : Initial Calibration

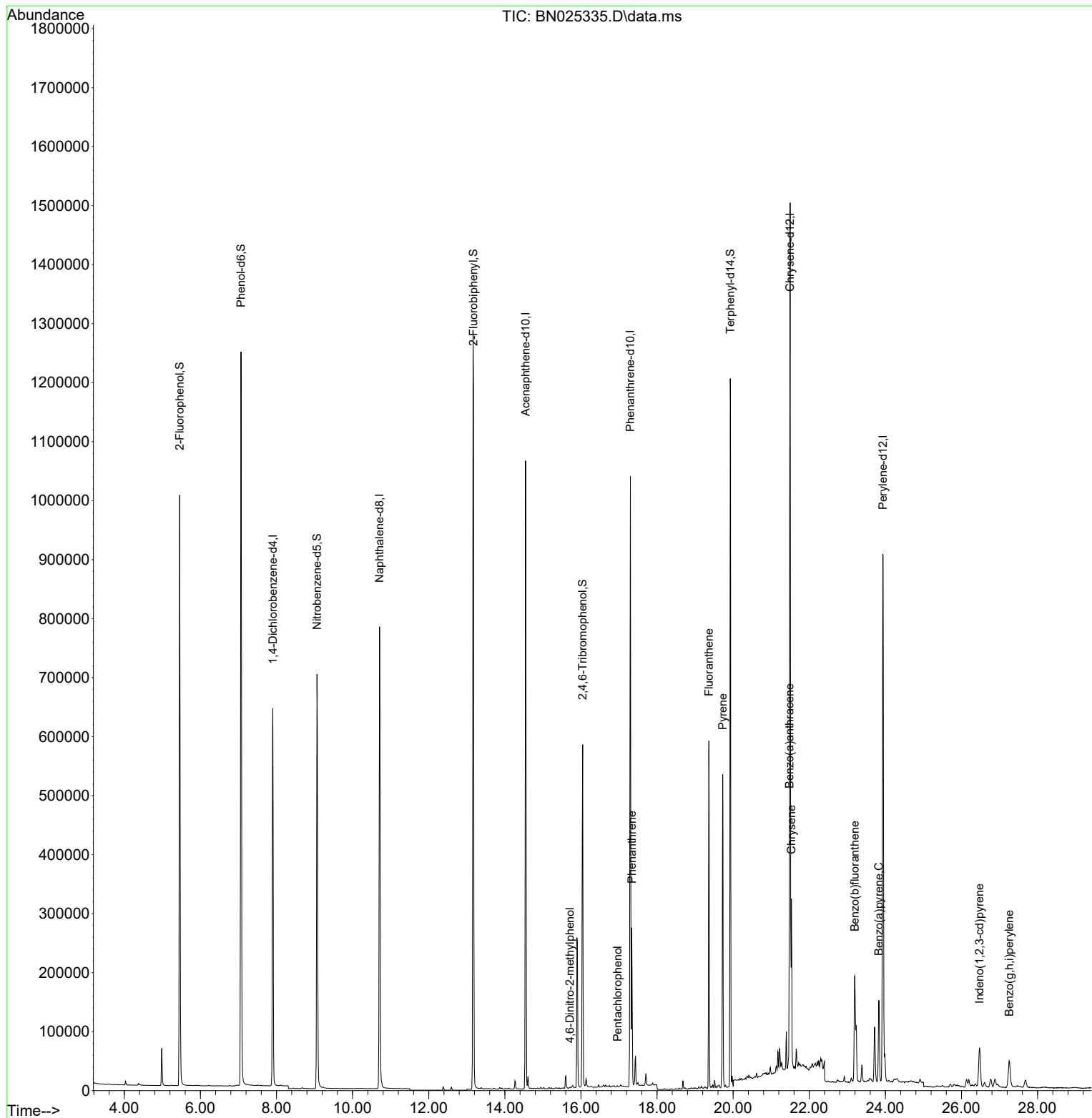
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	323197	20.000	ng	0.00
7) Naphthalene-d8	10.707	136	1004908	20.000	ng	-0.01
13) Acenaphthene-d10	14.544	164	592638	20.000	ng	0.00
19) Phenanthrene-d10	17.298	188	1302828	20.000	ng	0.00
29) Chrysene-d12	21.495	240	1178011	20.000	ng	0.00
35) Perylene-d12	23.935	264	1145465	20.000	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.456	112	753456	47.888	ng	0.00
5) Phenol-d6	7.066	99	1083083	54.861	ng	0.00
8) Nitrobenzene-d5	9.063	82	549329	33.230	ng	-0.02
11) 2-Methylnaphthalene-d10	12.290	152	3	0.000	ng	-0.02
14) 2,4,6-Tribromophenol	16.045	330	325634	53.741	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	1170693	28.801	ng	0.00
27) Fluoranthene-d10	19.368	212	34	0.001	ng	0.03
31) Terphenyl-d14	19.924	244	1423582	29.967	ng	0.00
Target Compounds						
9) Naphthalene	10.761	128	9770	0.189	ng	98
12) 2-Methylnaphthalene	12.381	142	4936	0.135	ng	97
16) Acenaphthylene	14.266	152	16991	0.320	ng	99
17) Acenaphthene	14.609	154	8781	0.266	ng	99
18) Fluorene	15.603	166	14585	0.322	ng	# 99
20) 4,6-Dinitro-2-methylph...	15.710	198	23	14.017	ng	# 1
24) Pentachlorophenol	16.963	266	89	13.326	ng	# 70
25) Phenanthrene	17.336	178	252745	3.506	ng	100
26) Anthracene	17.435	178	60393	0.894	ng	97
28) Fluoranthene	19.363	202	513340	5.699	ng	99
30) Pyrene	19.726	202	458915	5.698	ng	# 96
32) Benzo(a)anthracene	21.477	228	261253	3.281	ng	98
33) Chrysene	21.531	228	240646	3.036	ng	98
34) Bis(2-ethylhexyl)phtha...	21.396	149	56571	0.905	ng	98
36) Indeno(1,2,3-cd)pyrene	26.472	276	119134	1.297	ng	96
37) Benzo(b)fluoranthene	23.195	252	305678	4.209	ng	96
39) Benzo(a)pyrene	23.829	252	203523	2.736	ng	95
40) Dibenzo(a,h)anthracene	26.487	278	29967	0.413	ng	# 77
41) Benzo(g,h,i)perylene	27.256	276	114710	1.440	ng	99

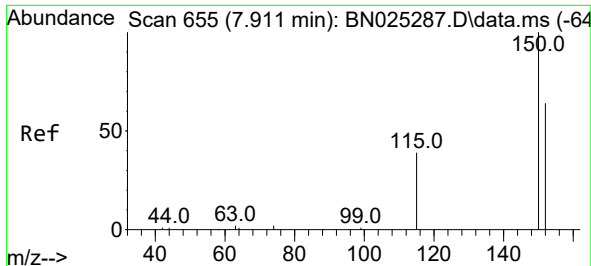
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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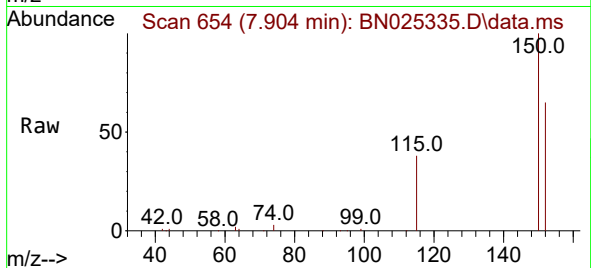
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
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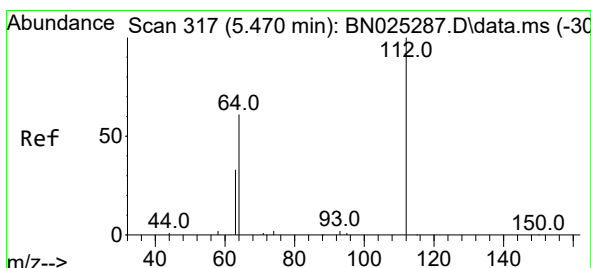
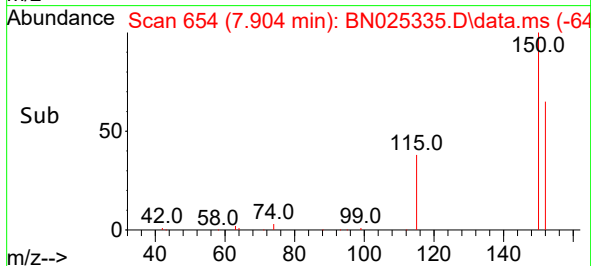
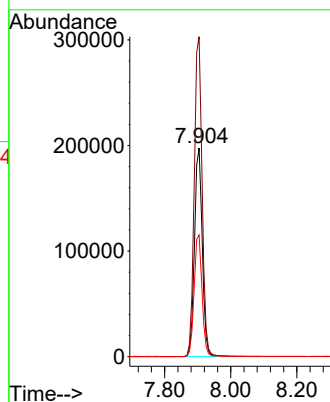


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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

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

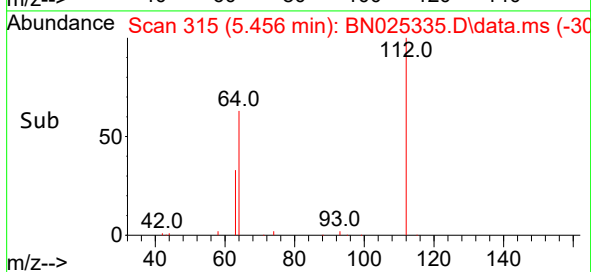
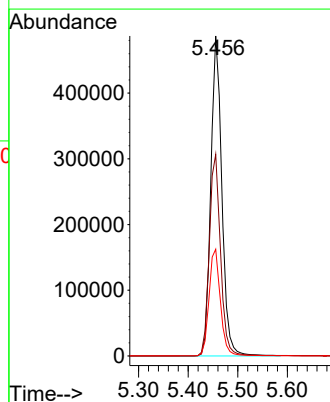
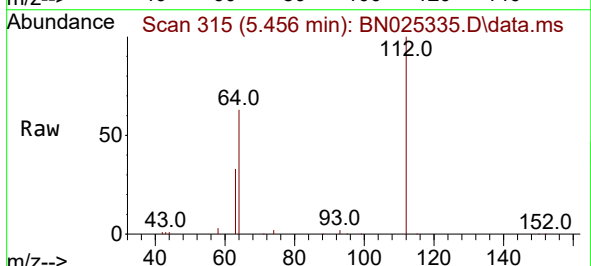


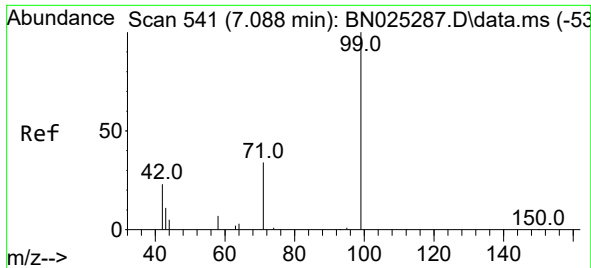
Tgt Ion:152 Resp: 323197
Ion Ratio Lower Upper
152 100
150 153.4 123.8 185.8
115 58.3 52.9 79.3



#4
2-Fluorophenol
Concen: 47.888 ng
RT: 5.456 min Scan# 315
Delta R.T. -0.007 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

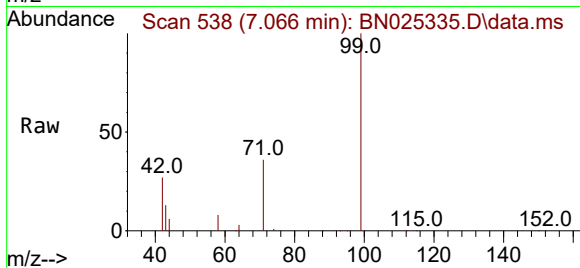
Tgt Ion:112 Resp: 753456
Ion Ratio Lower Upper
112 100
64 64.1 51.5 77.3
63 34.4 27.8 41.6



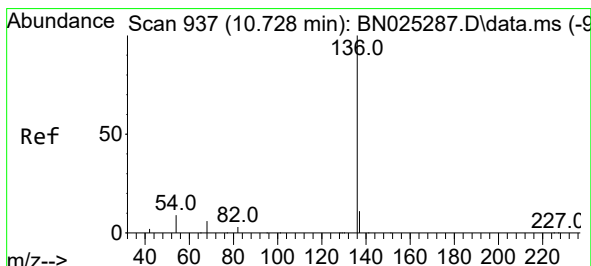
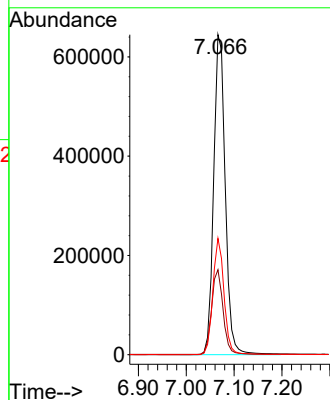
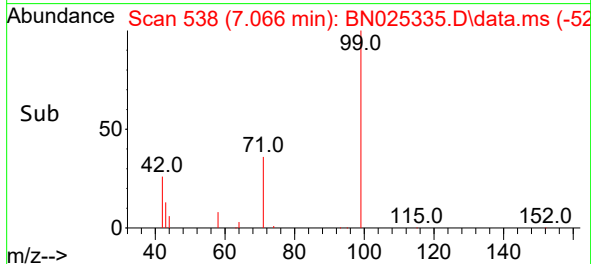


#5
Phenol-d6
Concen: 54.861 ng
RT: 7.066 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

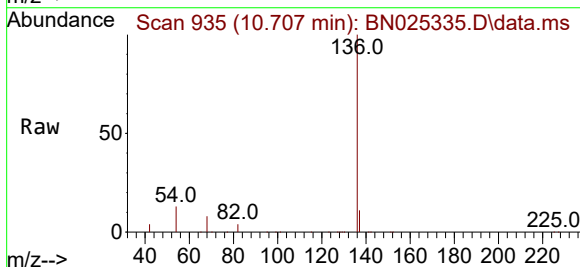
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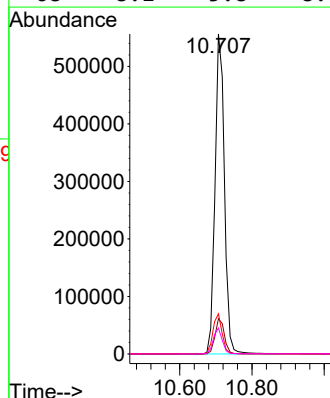
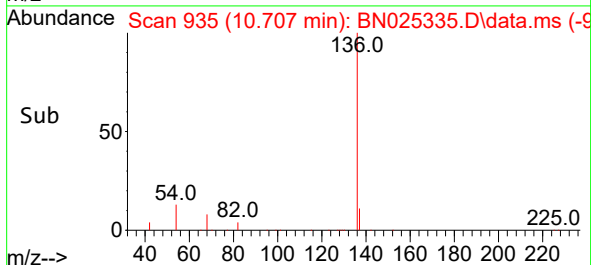
Tgt Ion: 99 Resp: 1083083
Ion Ratio Lower Upper
99 100
42 26.2 22.0 33.0
71 35.1 28.7 43.1

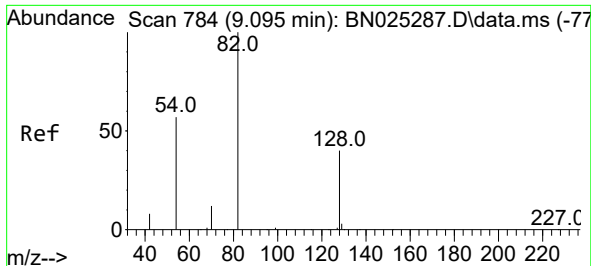


#7
Naphthalene-d8
Concen: 20.000 ng
RT: 10.707 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33



Tgt Ion:136 Resp: 1004908
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.2
54 12.5 8.5 12.7
68 8.1 5.8 8.8

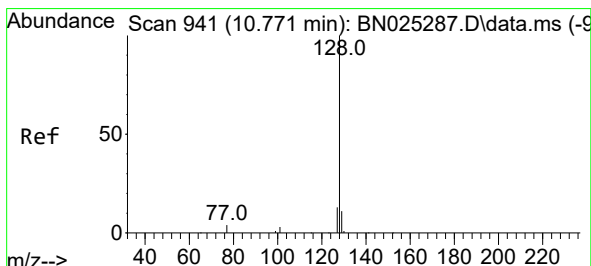
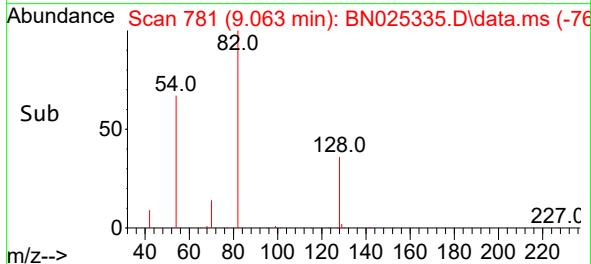
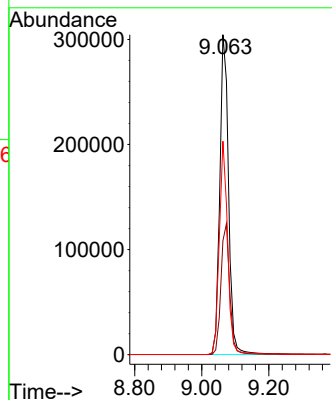
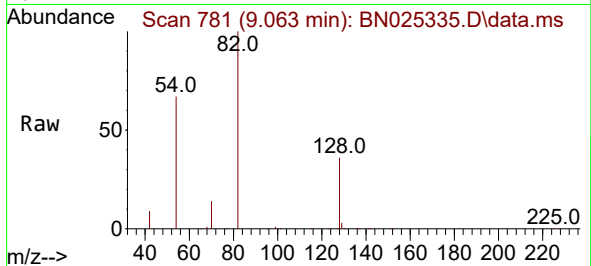




#8
Nitrobenzene-d5
Concen: 33.230 ng
RT: 9.063 min Scan# 71
Delta R.T. -0.021 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

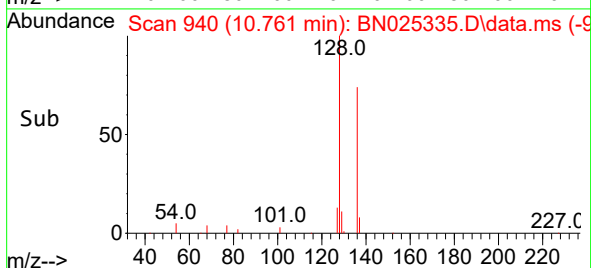
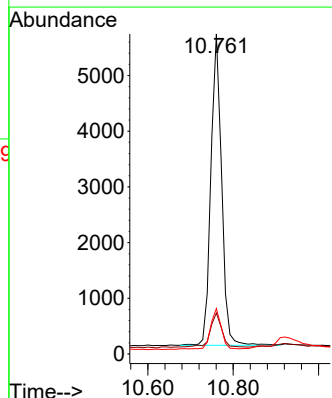
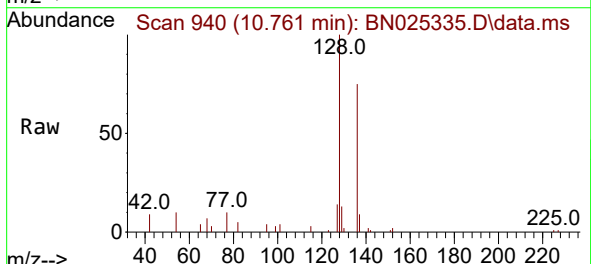
Instrument :
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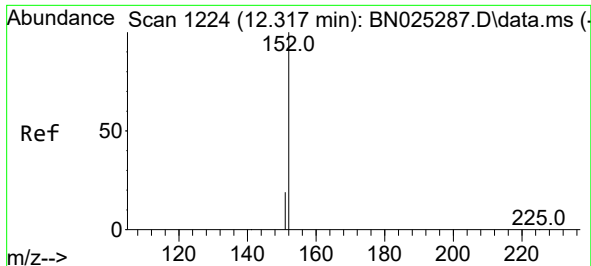
Tgt Ion: 82 Resp: 549329
Ion Ratio Lower Upper
82 100
128 35.6 35.3 52.9
54 66.7 48.7 73.1



#9
Naphthalene
Concen: 0.189 ng
RT: 10.761 min Scan# 940
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

Tgt Ion: 128 Resp: 9770
Ion Ratio Lower Upper
128 100
129 12.8 9.4 14.2
127 14.2 11.0 16.6

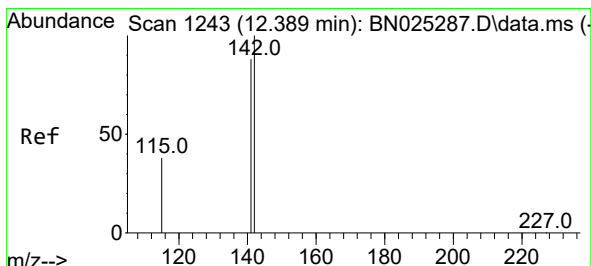
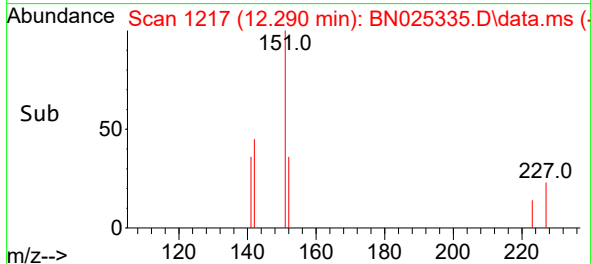
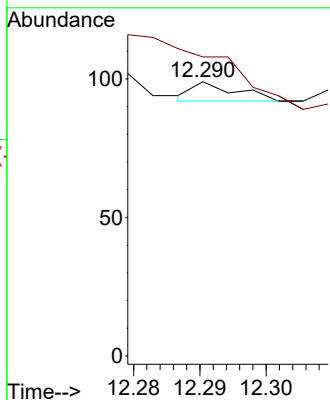
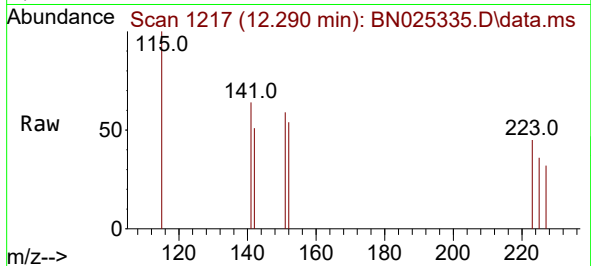




#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.290 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

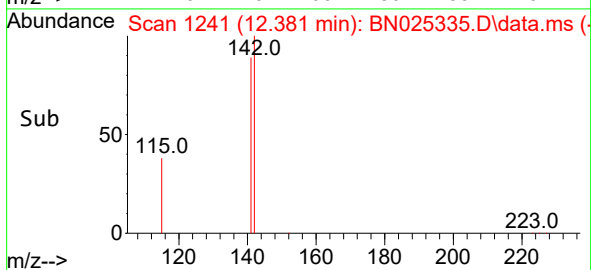
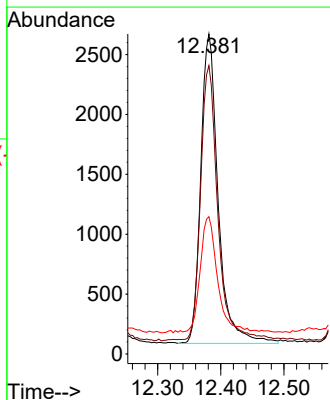
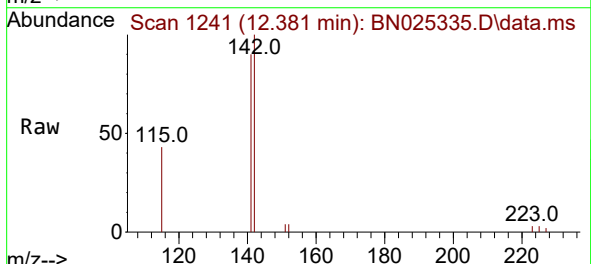
Instrument :
BNA_N
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ZONE-D-3-6-05022023

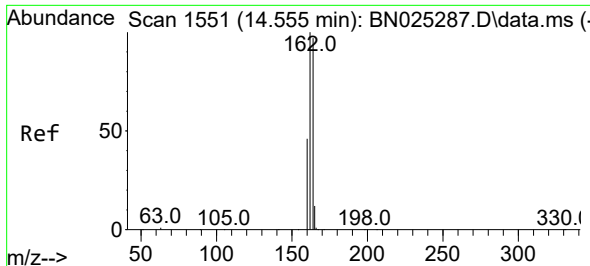
Tgt Ion:152 Resp: 3
Ion Ratio Lower Upper
152 100
151 0.0 16.4 24.6#



#12
2-Methylnaphthalene
Concen: 0.135 ng
RT: 12.381 min Scan# 1241
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

Tgt Ion:142 Resp: 4936
Ion Ratio Lower Upper
142 100
141 90.1 70.5 105.7
115 42.9 31.6 47.4

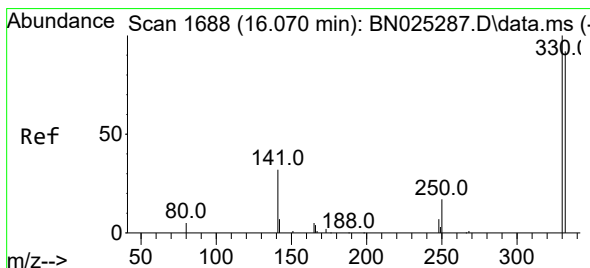
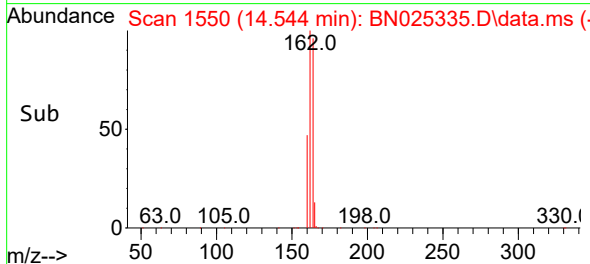
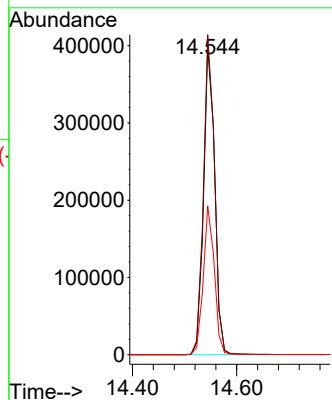
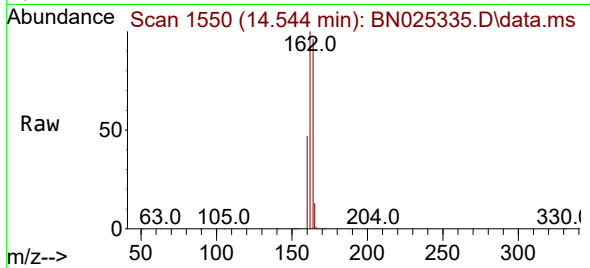




#13
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.544 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

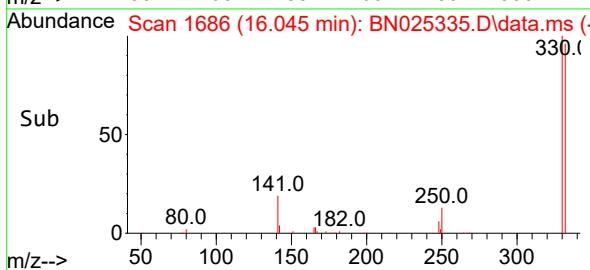
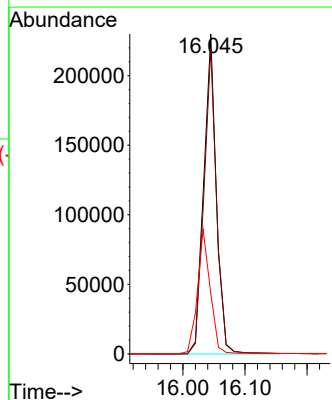
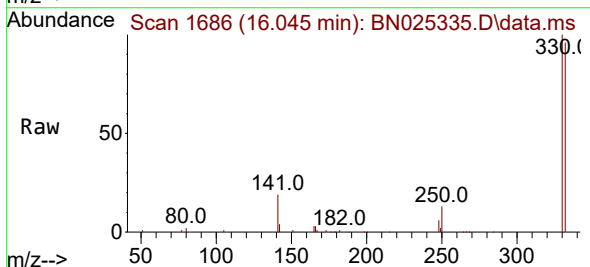
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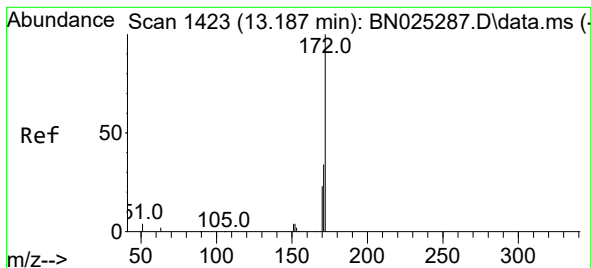
Tgt Ion:164 Resp: 592638
Ion Ratio Lower Upper
164 100
162 104.1 82.1 123.1
160 48.4 38.3 57.5



#14
2,4,6-Tribromophenol
Concen: 53.741 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.013 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

Tgt Ion:330 Resp: 325634
Ion Ratio Lower Upper
330 100
332 95.7 77.4 116.0
141 39.0 28.9 43.3





#15

2-Fluorobiphenyl

Concen: 28.801 ng

RT: 13.176 min Scan# 1423

Delta R.T. -0.000 min

Lab File: BN025335.D

Acq: 08 May 2023 16:33

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023

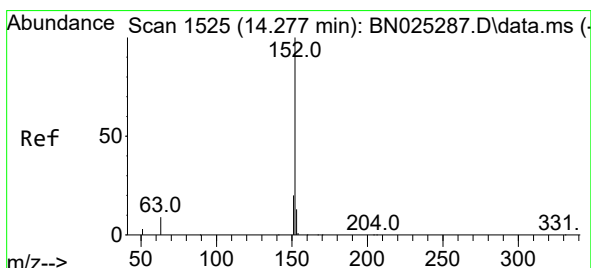
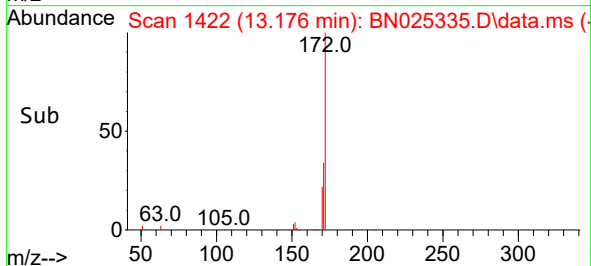
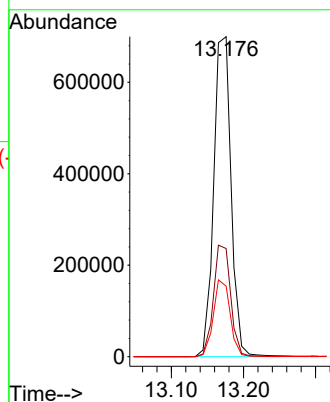
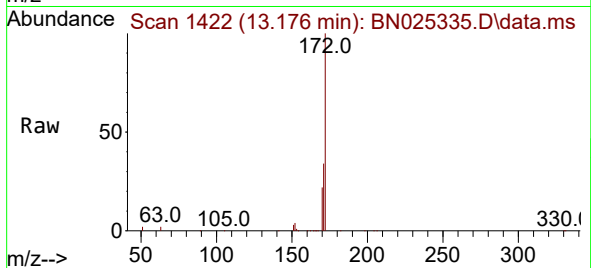
Tgt Ion:172 Resp: 1170693

Ion Ratio Lower Upper

172 100

171 33.8 27.9 41.9

170 22.0 19.0 28.4



#16

Acenaphthylene

Concen: 0.320 ng

RT: 14.266 min Scan# 1524

Delta R.T. -0.000 min

Lab File: BN025335.D

Acq: 08 May 2023 16:33

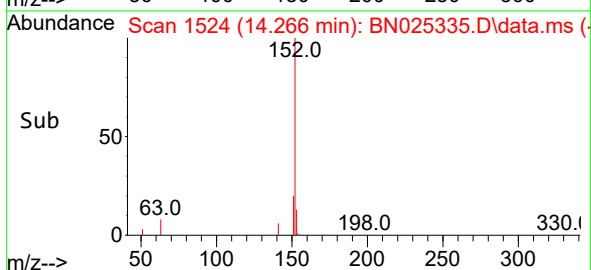
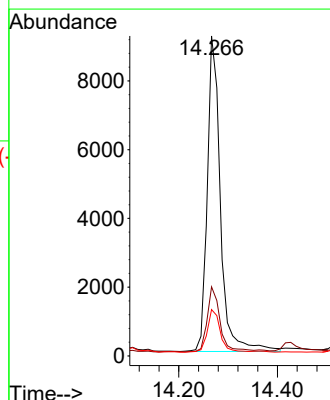
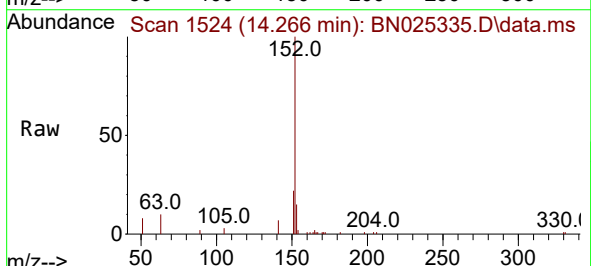
Tgt Ion:152 Resp: 16991

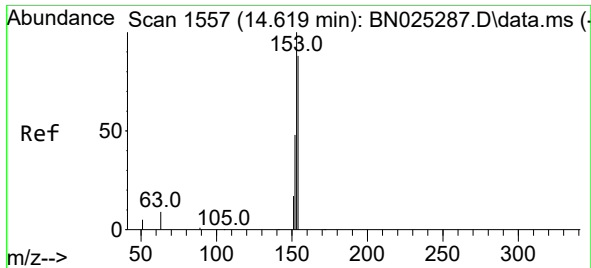
Ion Ratio Lower Upper

152 100

151 20.3 16.1 24.1

153 13.4 10.3 15.5

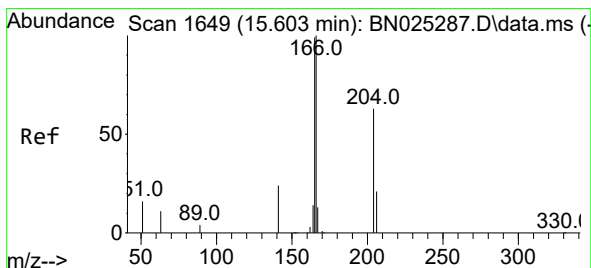
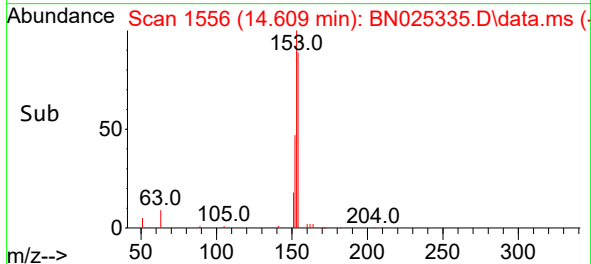
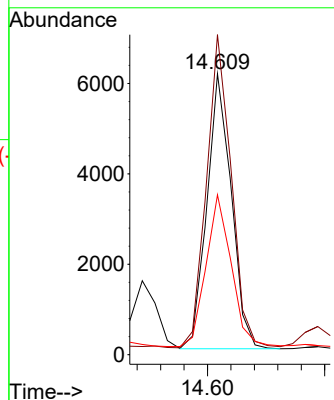
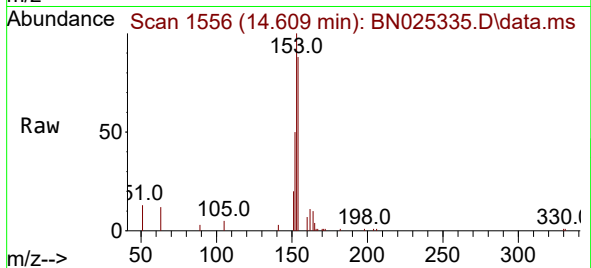




#17
Acenaphthene
Concen: 0.266 ng
RT: 14.609 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

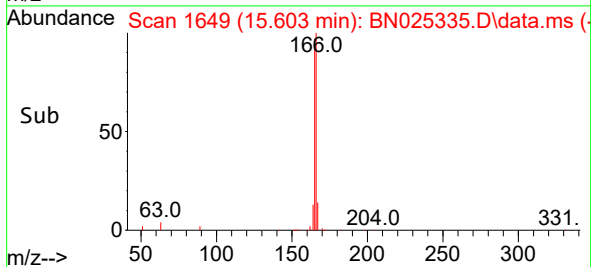
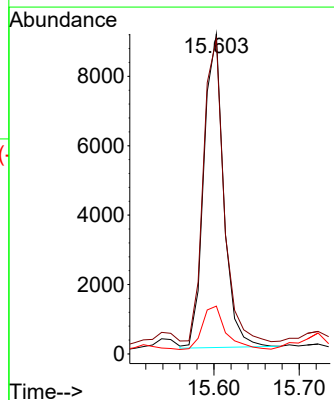
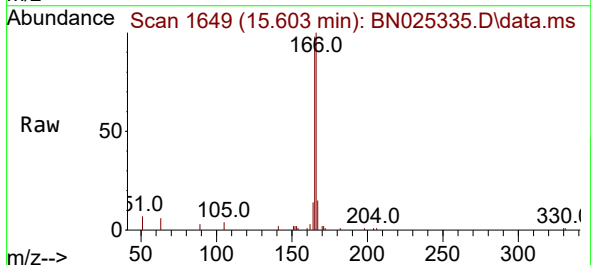
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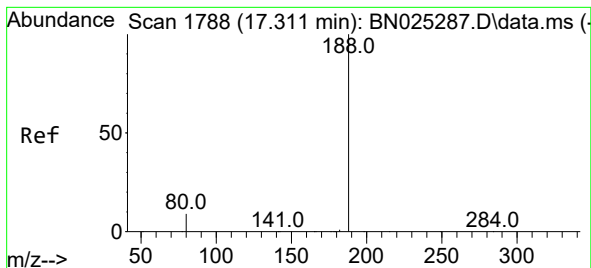
Tgt Ion:154 Resp: 8781
Ion Ratio Lower Upper
154 100
153 114.7 91.3 136.9
152 57.0 44.7 67.1



#18
Fluorene
Concen: 0.322 ng
RT: 15.603 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

Tgt Ion:166 Resp: 14585
Ion Ratio Lower Upper
166 100
165 98.9 79.0 118.4
167 16.4 10.3 15.5#





#19

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN025335.D

Acq: 08 May 2023 16:33

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023

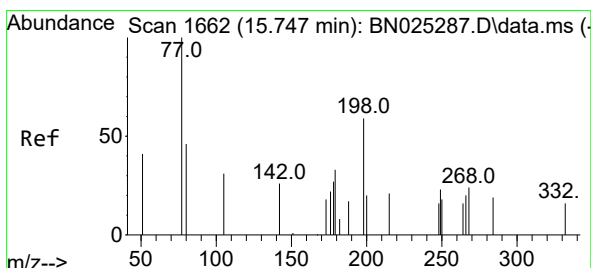
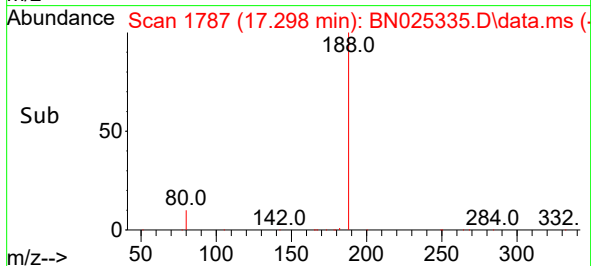
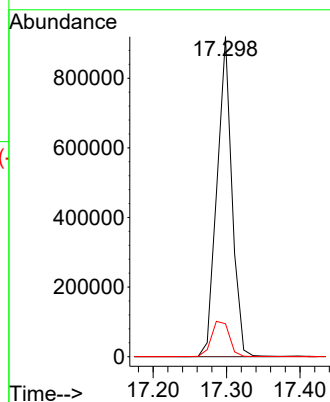
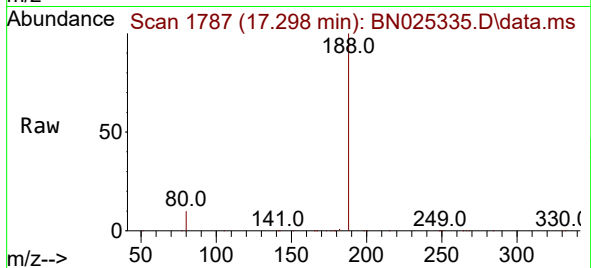
Tgt Ion:188 Resp: 1302828

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.3 8.0 12.0



#20

4,6-Dinitro-2-methylphenol

Concen: 14.017 ng

RT: 15.710 min Scan# 1659

Delta R.T. -0.000 min

Lab File: BN025335.D

Acq: 08 May 2023 16:33

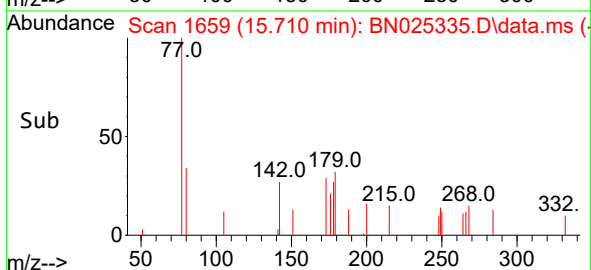
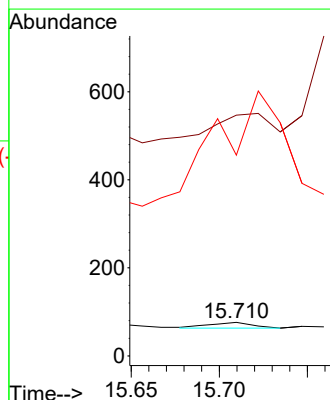
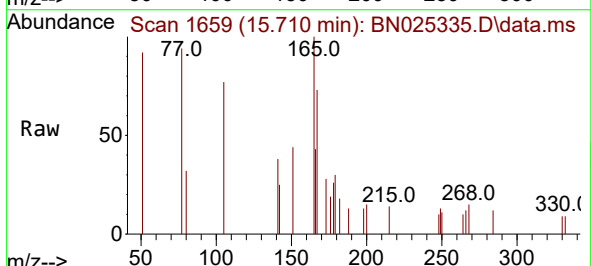
Tgt Ion:198 Resp: 23

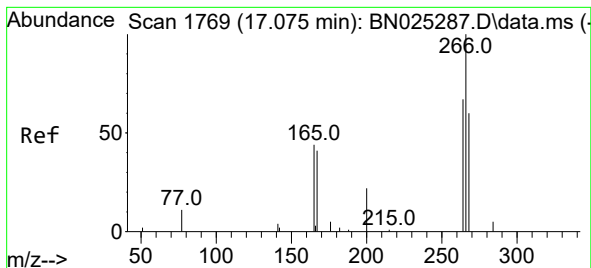
Ion Ratio Lower Upper

198 100

51 719.7 162.1 243.1#

105 600.0 83.1 124.7#





#24

Pentachlorophenol

Concen: 13.326 ng

RT: 16.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN025335.D

Acq: 08 May 2023 16:33

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023

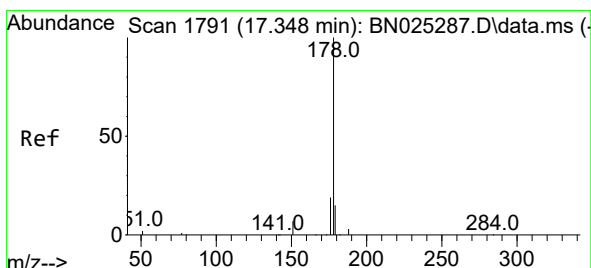
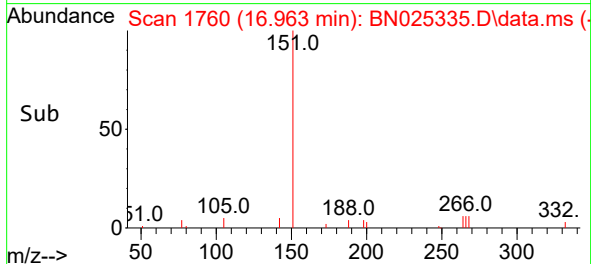
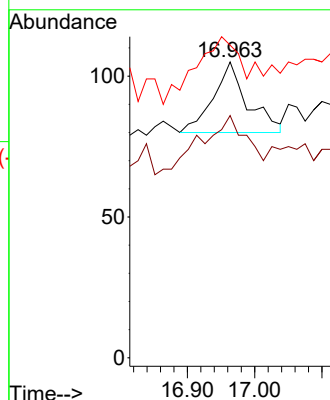
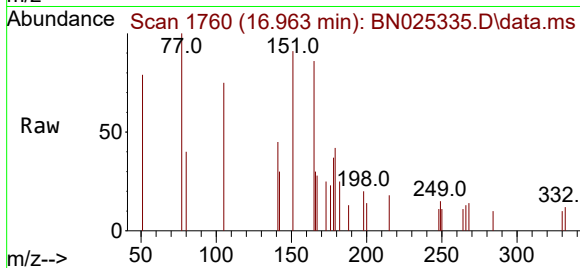
Tgt Ion:266 Resp: 89

Ion Ratio Lower Upper

266 100

264 65.2 43.0 64.4#

268 91.0 47.4 71.2#



#25

Phenanthrene

Concen: 3.506 ng

RT: 17.336 min Scan# 1790

Delta R.T. -0.000 min

Lab File: BN025335.D

Acq: 08 May 2023 16:33

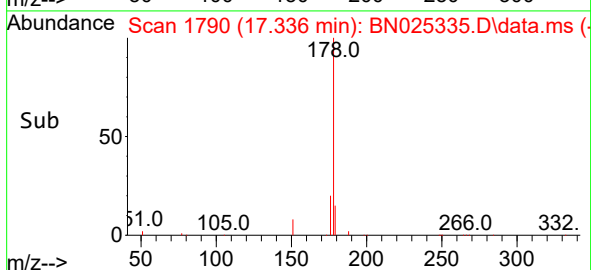
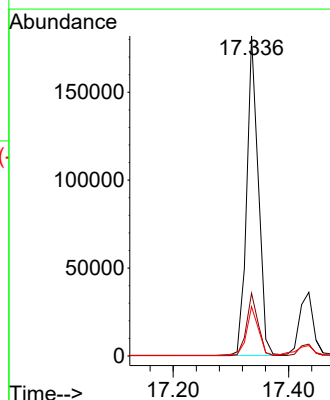
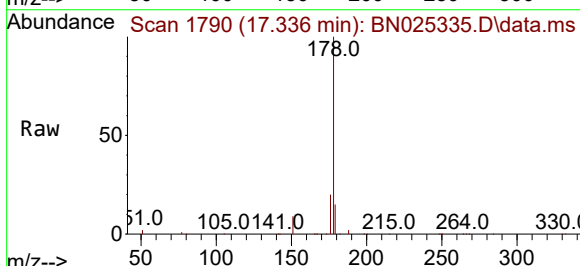
Tgt Ion:178 Resp: 252745

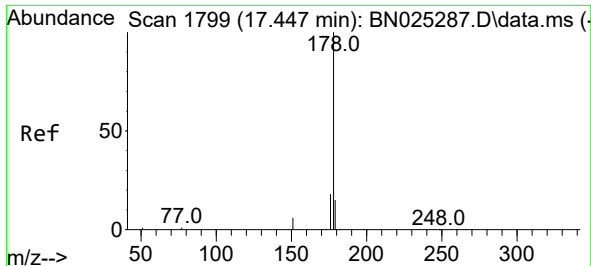
Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.6 12.4 18.6

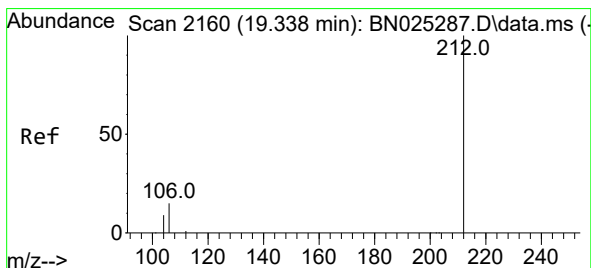
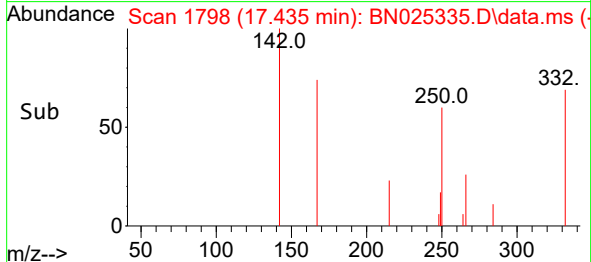
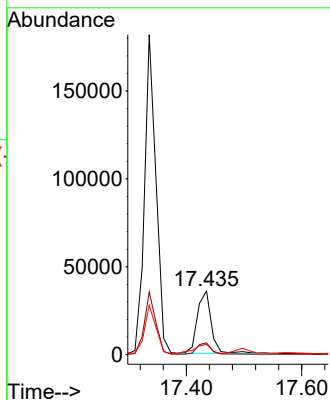
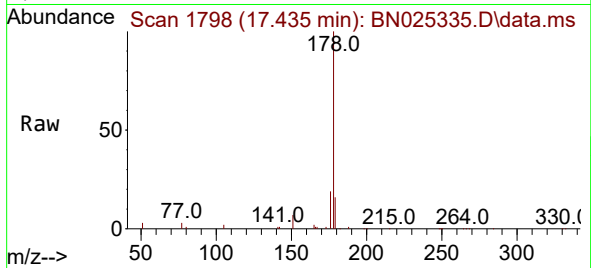




#26
 Anthracene
 Concen: 0.894 ng
 RT: 17.435 min Scan# 1799
 Delta R.T. -0.000 min
 Lab File: BN025335.D
 Acq: 08 May 2023 16:33

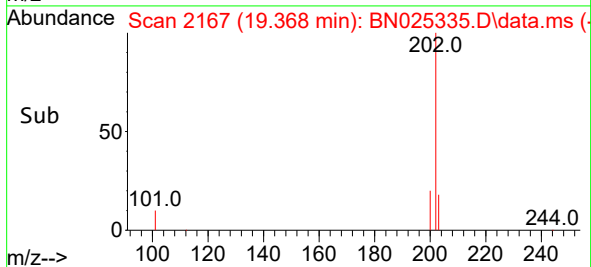
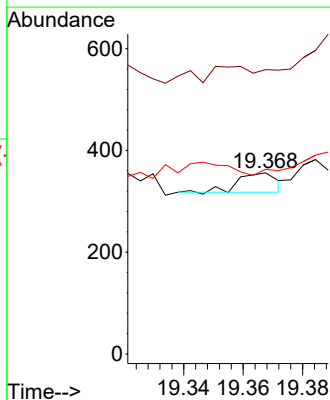
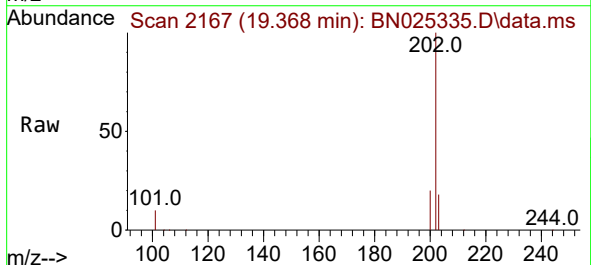
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-3-6-05022023

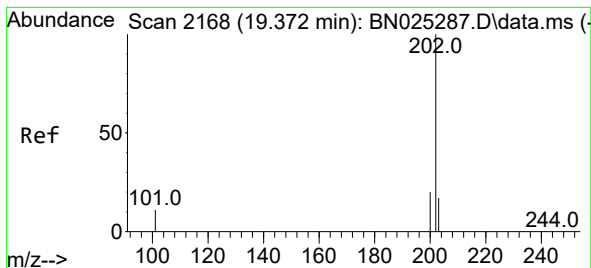
Tgt Ion:178 Resp: 60393
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.9 22.3
 179 17.7 12.0 18.0



#27
 Fluoranthene-d10
 Concen: 0.001 ng
 RT: 19.368 min Scan# 2167
 Delta R.T. 0.034 min
 Lab File: BN025335.D
 Acq: 08 May 2023 16:33

Tgt Ion:212 Resp: 34
 Ion Ratio Lower Upper
 212 100
 106 0.0 12.6 19.0#
 104 0.0 7.0 10.6#





#28

Fluoranthene

Concen: 5.699 ng

RT: 19.363 min Scan# 2166

Delta R.T. -0.000 min

Lab File: BN025335.D

Acq: 08 May 2023 16:33

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023

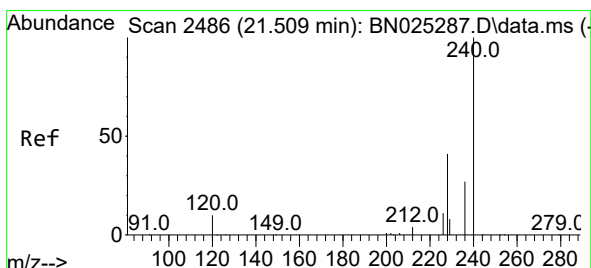
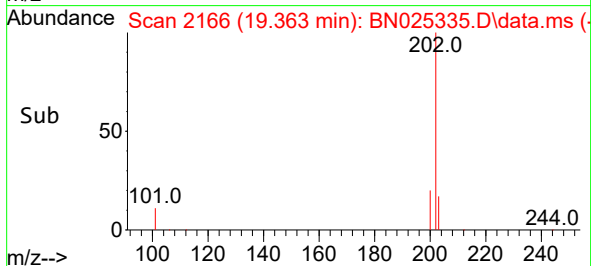
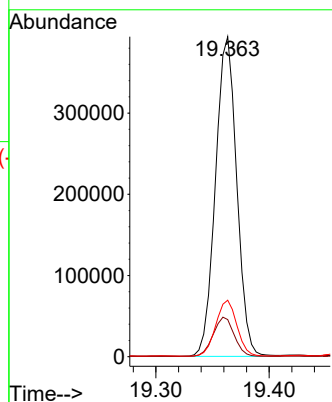
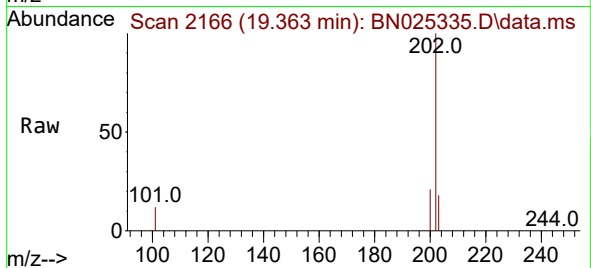
Tgt Ion:202 Resp: 513340

Ion Ratio Lower Upper

202 100

101 12.2 9.8 14.8

203 17.3 13.5 20.3



#29

Chrysene-d12

Concen: 20.000 ng

RT: 21.495 min Scan# 2485

Delta R.T. -0.005 min

Lab File: BN025335.D

Acq: 08 May 2023 16:33

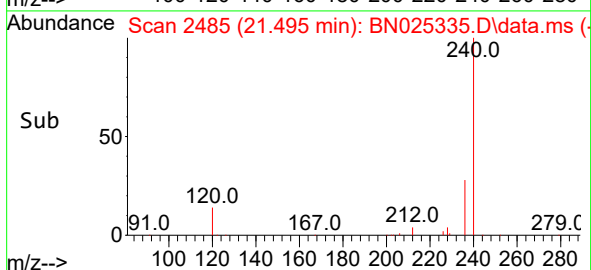
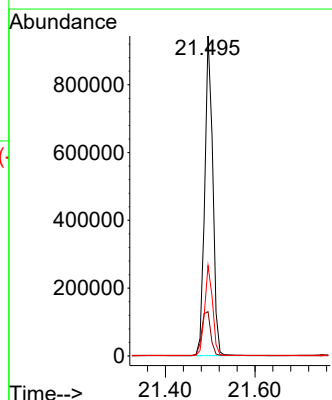
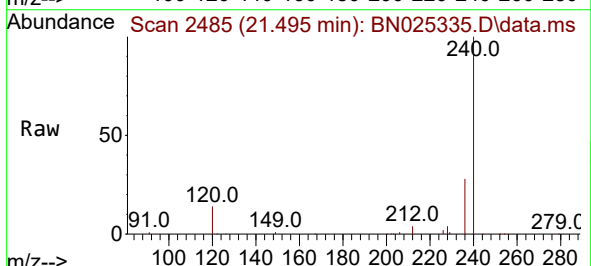
Tgt Ion:240 Resp: 1178011

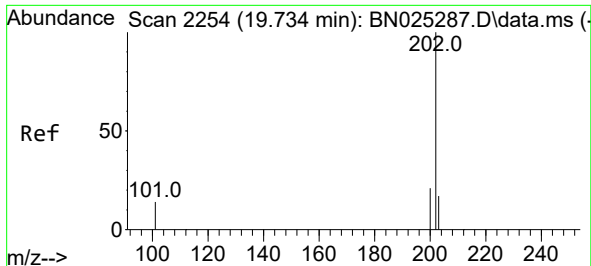
Ion Ratio Lower Upper

240 100

120 13.8 10.3 15.5

236 28.3 22.3 33.5

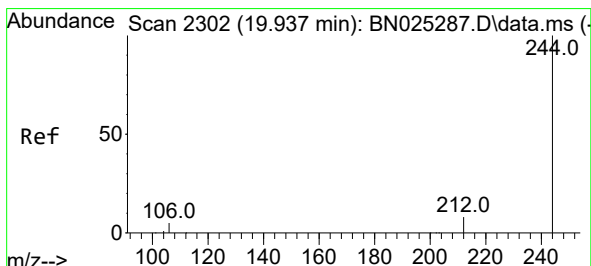
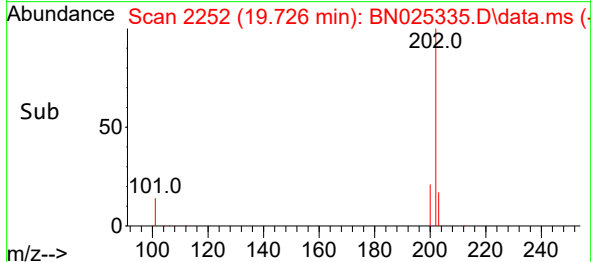
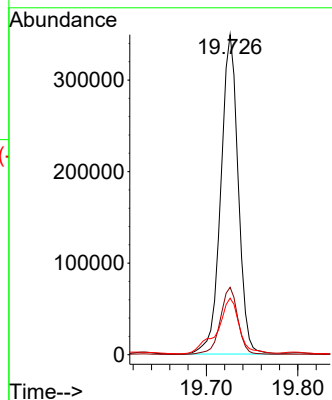
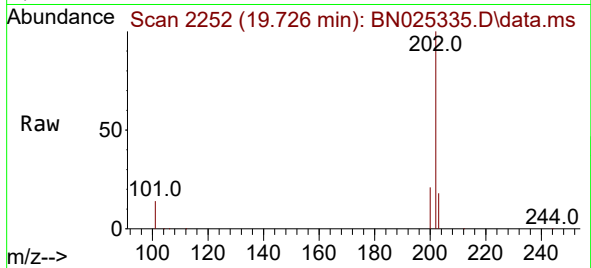




#30
 Pyrene
 Concen: 5.698 ng
 RT: 19.726 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BN025335.D
 Acq: 08 May 2023 16:33

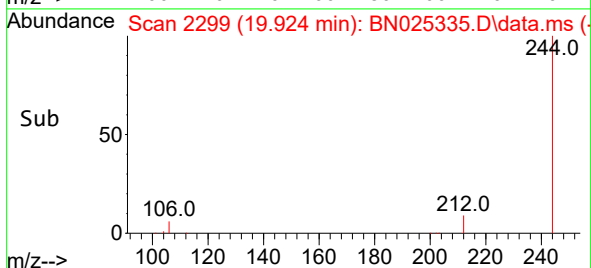
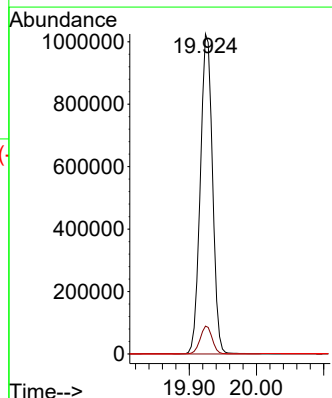
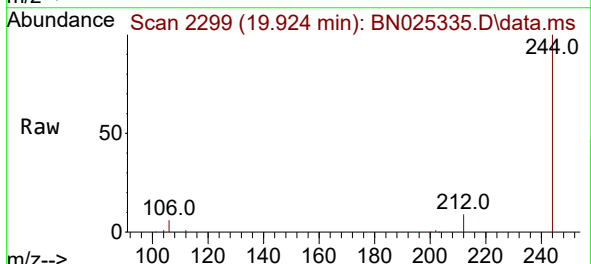
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-3-6-05022023

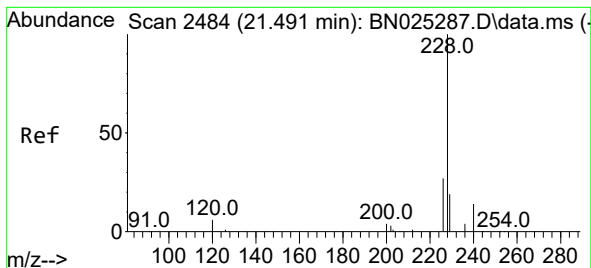
Tgt Ion:202 Resp: 458915
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.8 25.2
 203 22.1 14.4 21.6#



#31
 Terphenyl-d14
 Concen: 29.967 ng
 RT: 19.924 min Scan# 2299
 Delta R.T. -0.004 min
 Lab File: BN025335.D
 Acq: 08 May 2023 16:33

Tgt Ion:244 Resp: 1423582
 Ion Ratio Lower Upper
 244 100
 212 8.7 7.1 10.7
 122 0.0 0.0 0.0





#32

Benzo(a)anthracene

Concen: 3.281 ng

RT: 21.477 min Scan# 2483

Delta R.T. -0.005 min

Lab File: BN025335.D

Acq: 08 May 2023 16:33

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023

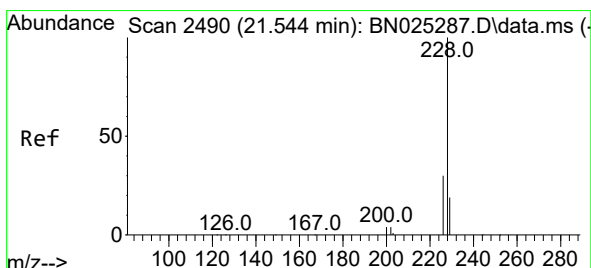
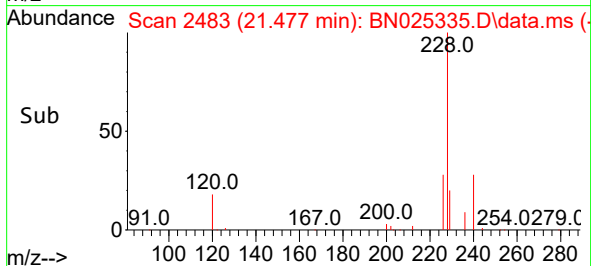
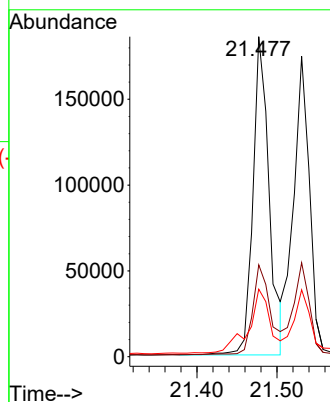
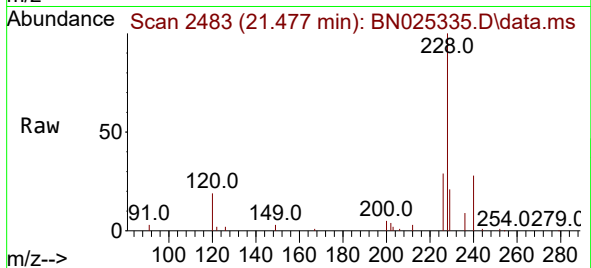
Tgt Ion:228 Resp: 261253

Ion Ratio Lower Upper

228 100

226 28.7 22.5 33.7

229 21.1 16.2 24.2



#33

Chrysene

Concen: 3.036 ng

RT: 21.531 min Scan# 2489

Delta R.T. -0.005 min

Lab File: BN025335.D

Acq: 08 May 2023 16:33

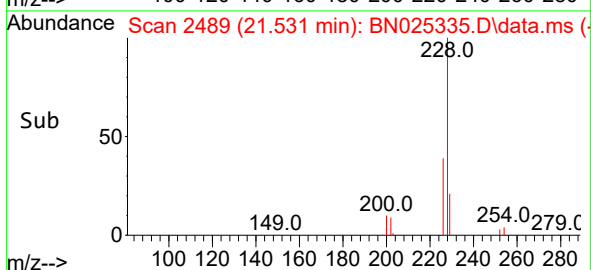
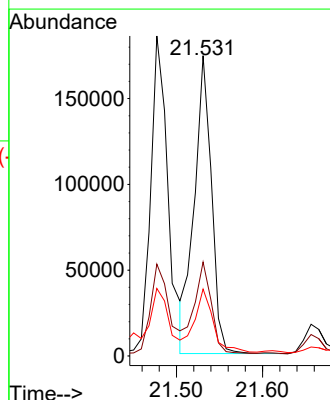
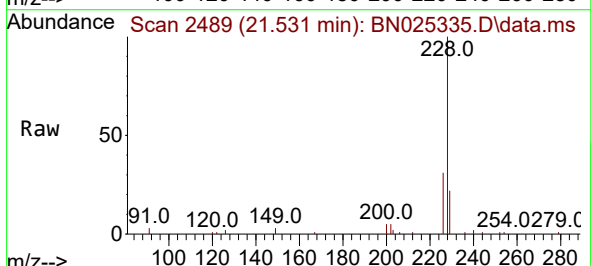
Tgt Ion:228 Resp: 240646

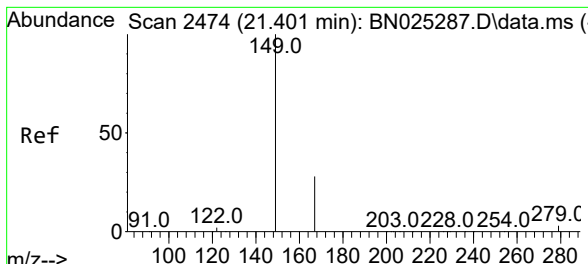
Ion Ratio Lower Upper

228 100

226 31.3 24.6 36.8

229 22.2 16.2 24.4

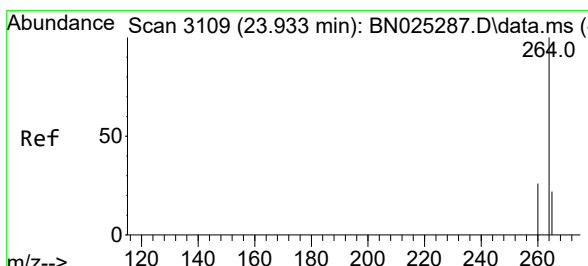
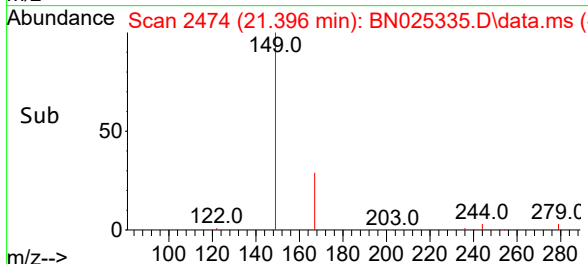
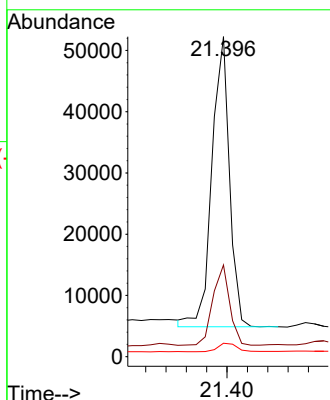
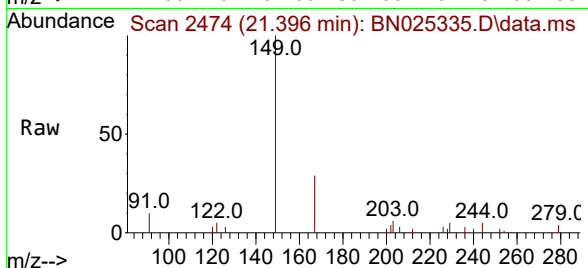




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.905 ng
 RT: 21.396 min Scan# 2474
 Delta R.T. 0.004 min
 Lab File: BN025335.D
 Acq: 08 May 2023 16:33

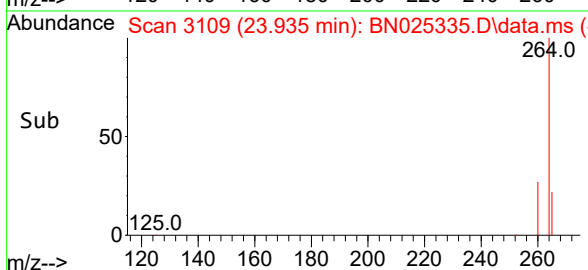
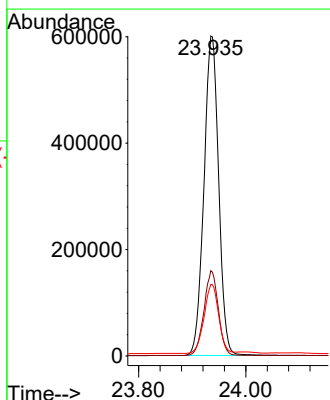
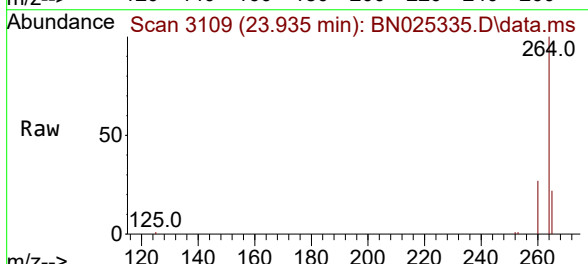
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-3-6-05022023

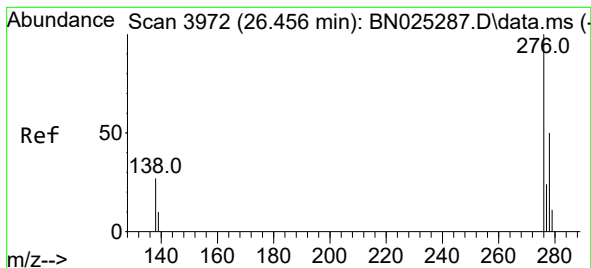
Tgt Ion:	149	Resp:	56571
Ion Ratio	Lower	Upper	
149	100		
167	26.6	22.2	33.4
279	3.2	2.6	4.0



#35
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.935 min Scan# 3109
 Delta R.T. 0.004 min
 Lab File: BN025335.D
 Acq: 08 May 2023 16:33

Tgt Ion:	264	Resp:	1145465
Ion Ratio	Lower	Upper	
264	100		
260	26.6	21.5	32.3
265	22.4	46.2	69.4





#36

Indeno(1,2,3-cd)pyrene

Concen: 1.297 ng

RT: 26.472 min Scan# 3977

Delta R.T. 0.025 min

Lab File: BN025335.D

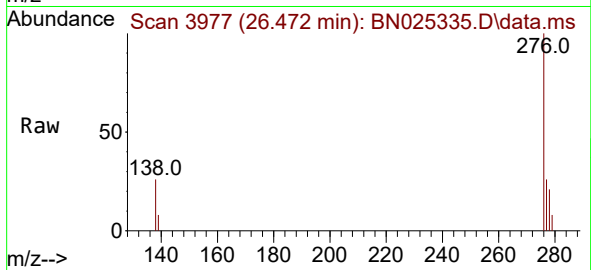
Acq: 08 May 2023 16:33

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023



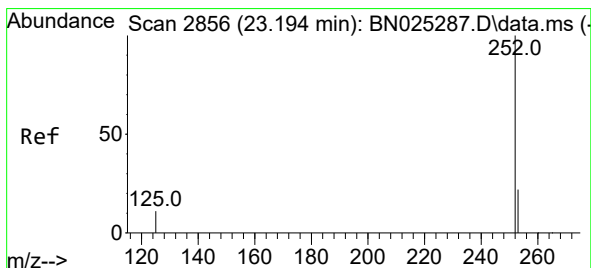
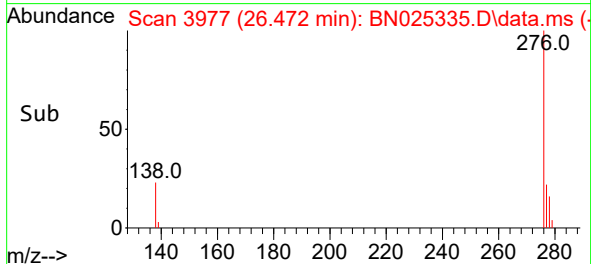
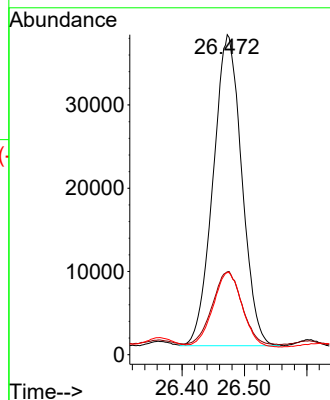
Tgt Ion:276 Resp: 119134

Ion Ratio Lower Upper

276 100

138 24.0 22.5 33.7

277 24.5 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 4.209 ng

RT: 23.195 min Scan# 2856

Delta R.T. 0.007 min

Lab File: BN025335.D

Acq: 08 May 2023 16:33

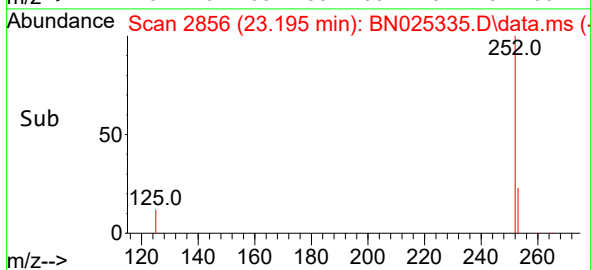
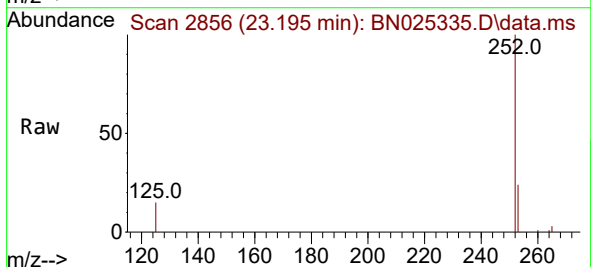
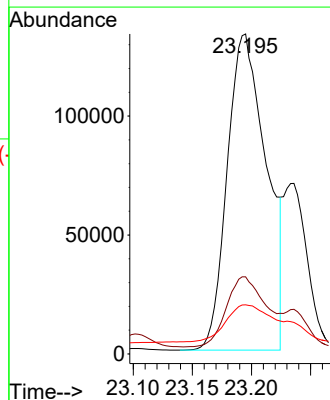
Tgt Ion:252 Resp: 305678

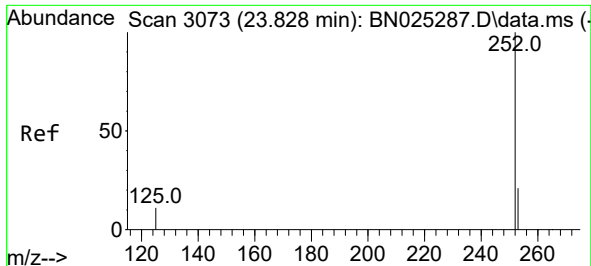
Ion Ratio Lower Upper

252 100

253 24.1 20.8 31.2

125 15.4 13.4 20.2





#39

Benzo(a)pyrene

Concen: 2.736 ng

RT: 23.829 min Scan# 3073

Delta R.T. 0.007 min

Lab File: BN025335.D

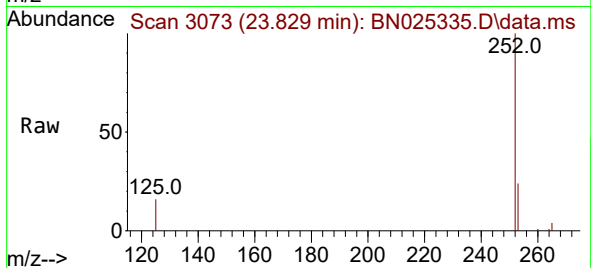
Acq: 08 May 2023 16:33

Instrument :

BNA_N

ClientSampleId :

ZONE-D-3-6-05022023



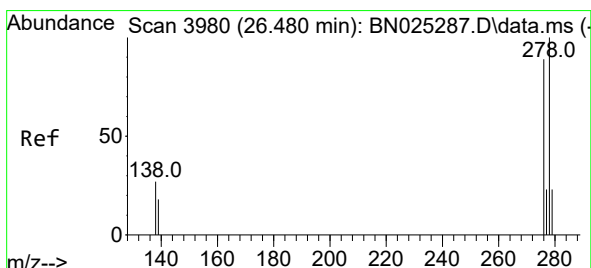
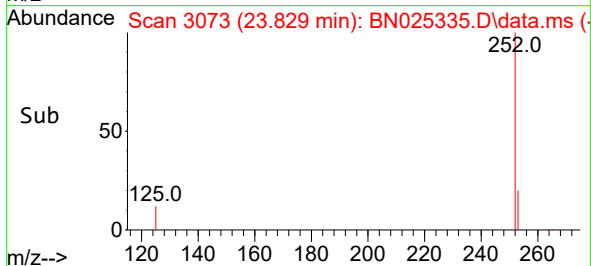
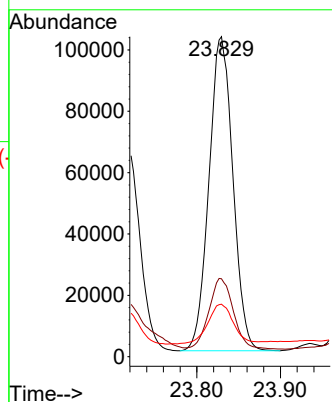
Tgt Ion:252 Resp: 203523

Ion Ratio Lower Upper

252 100

253 24.4 21.4 32.0

125 16.4 15.4 23.2



#40

Dibenzo(a,h)anthracene

Concen: 0.413 ng

RT: 26.487 min Scan# 3982

Delta R.T. 0.022 min

Lab File: BN025335.D

Acq: 08 May 2023 16:33

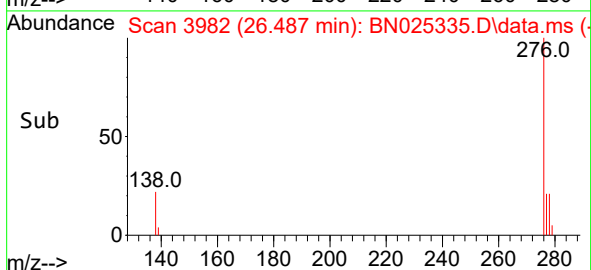
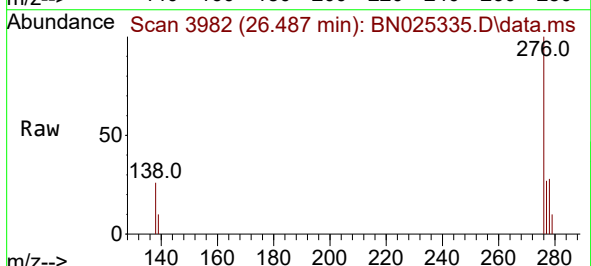
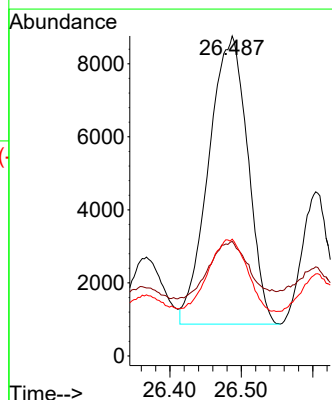
Tgt Ion:278 Resp: 29967

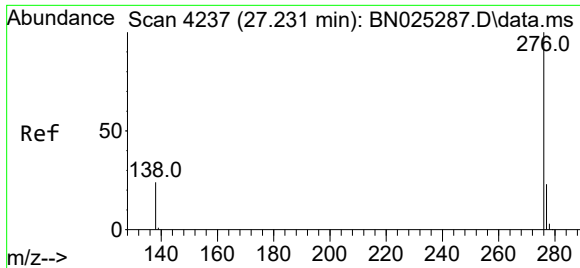
Ion Ratio Lower Upper

278 100

139 35.8 17.6 26.4#

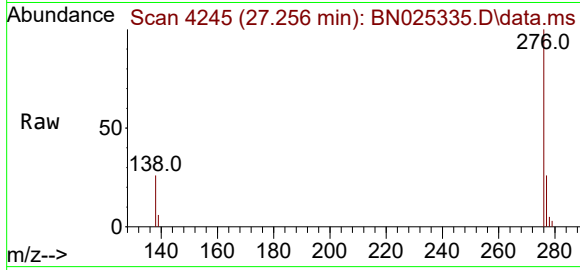
279 36.5 21.6 32.4#





#41
Benzo(g,h,i)perylene
Concen: 1.440 ng
RT: 27.256 min Scan# 41
Delta R.T. 0.028 min
Lab File: BN025335.D
Acq: 08 May 2023 16:33

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



Tgt Ion:276 Resp: 114710
Ion Ratio Lower Upper
276 100
277 25.7 20.1 30.1
138 26.5 21.0 31.6

