

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
 Data File : BN025331.D
 Acq On : 08 May 2023 14:07
 Operator : CG/JU
 Sample : 02588-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 50

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-D-6-9-05022023

Quant Time: May 09 04:02:03 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

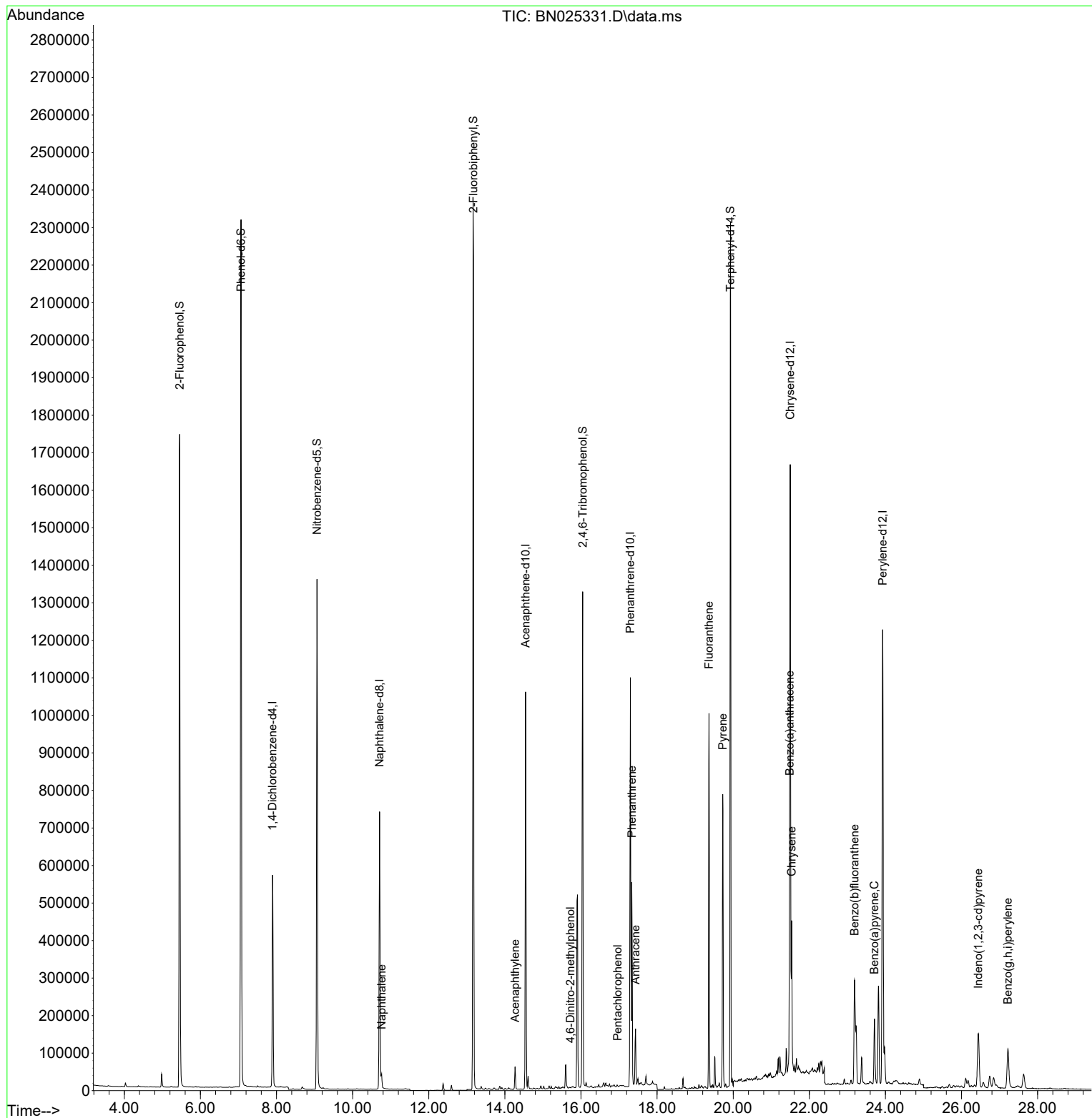
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.897	152	281038	20.000	ng	0.00
7) Naphthalene-d8	10.707	136	916568	20.000	ng	-0.01
13) Acenaphthene-d10	14.544	164	586222	20.000	ng	0.00
19) Phenanthrene-d10	17.299	188	1353557	20.000	ng	0.00
29) Chrysene-d12	21.500	240	1309778	20.000	ng	0.00
35) Perylene-d12	23.928	264	1661966	20.000	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.456	112	1387069	101.385	ng	0.00
5) Phenol-d6	7.066	99	2000522	116.532	ng	0.00
8) Nitrobenzene-d5	9.063	82	990422	65.687	ng	-0.02
11) 2-Methylnaphthalene-d10	12.272	152	85	0.003	ng	-0.03
14) 2,4,6-Tribromophenol	16.045	330	731966	122.122	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	2184594	54.334	ng	0.00
27) Fluoranthene-d10	19.325	212	112	0.002	ng	0.00
31) Terphenyl-d14	19.928	244	2845973	53.883	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.303	88	171	0.029	ng	# 1
3) n-Nitrosodimethylamine	3.578	42	579	0.064	ng	# 1
6) bis(2-Chloroethyl)ether	7.319	93	1054	0.070	ng	84
9) Naphthalene	10.761	128	47189	1.003	ng	99
12) 2-Methylnaphthalene	12.377	142	14037	0.422	ng	99
16) Acenaphthylene	14.267	152	65560	1.249	ng	99
17) Acenaphthene	14.609	154	15334	0.470	ng	96
18) Fluorene	15.603	166	43947	0.982	ng	# 97
20) 4,6-Dinitro-2-methylph...	15.722	198	72	14.025	ng	# 1
24) Pentachlorophenol	16.963	266	174	13.338	ng	# 33
25) Phenanthrene	17.336	178	530994	7.089	ng	99
26) Anthracene	17.435	178	164164	2.340	ng	100
28) Fluoranthene	19.363	202	857001	9.157	ng	99
30) Pyrene	19.726	202	702652	7.846	ng	98
32) Benzo(a)anthracene	21.482	228	428445	4.839	ng	97
33) Chrysene	21.536	228	354904	4.027	ng	97
34) Bis(2-ethylhexyl)phtha...	21.392	149	53499	0.770	ng	100
36) Indeno(1,2,3-cd)pyrene	26.442	276	249247	1.870	ng	95
37) Benzo(b)fluoranthene	23.188	252	498273	4.729	ng	95
39) Benzo(a)pyrene	23.711	252	239259	2.217	ng	96
40) Dibenzo(a,h)anthracene	26.451	278	62500	0.594	ng	# 85
41) Benzo(g,h,i)perylene	27.220	276	233518	2.021	ng	98

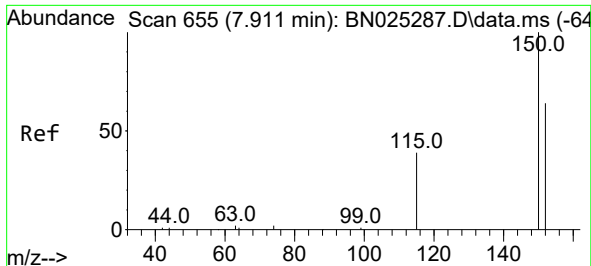
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
Data File : BN025331.D
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Instrument :
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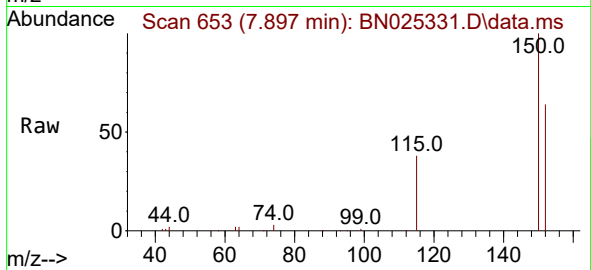
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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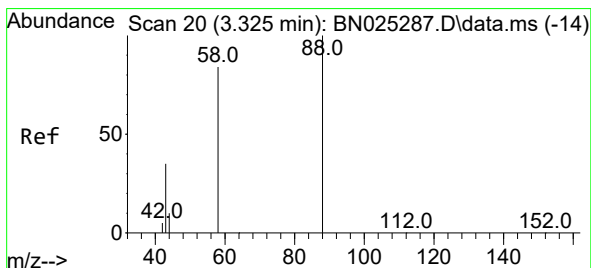
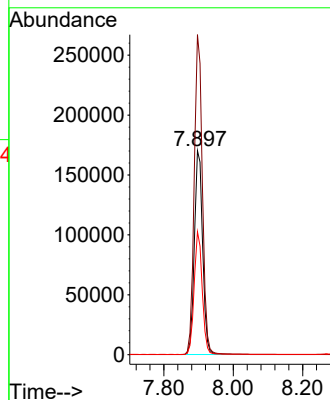
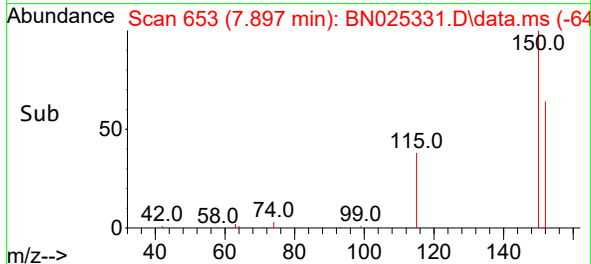


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.897 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

Instrument :
BNA_N
ClientSampleId :
ZONE-D-6-9-05022023

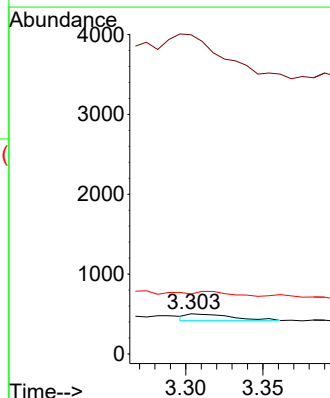
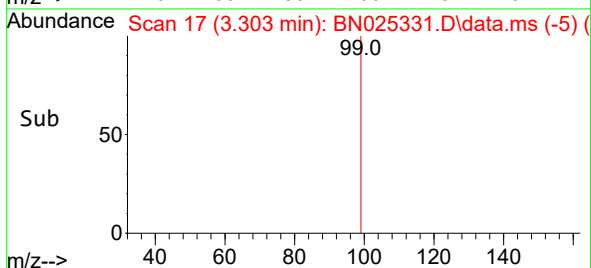
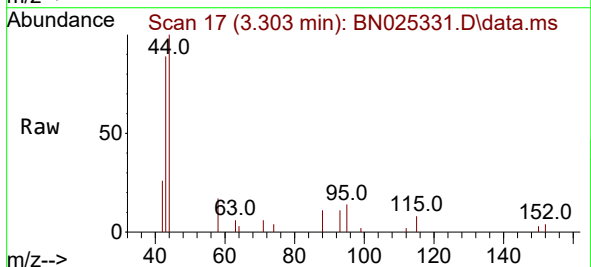


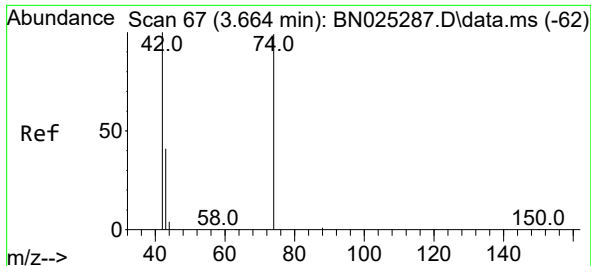
Tgt Ion:152 Resp: 281038
Ion Ratio Lower Upper
152 100
150 156.9 123.8 185.8
115 60.2 52.9 79.3



#2
1,4-Dioxane
Concen: 0.029 ng
RT: 3.303 min Scan# 17
Delta R.T. -0.014 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

Tgt Ion: 88 Resp: 171
Ion Ratio Lower Upper
88 100
43 814.0 37.2 55.8#
58 49.1 71.5 107.3#

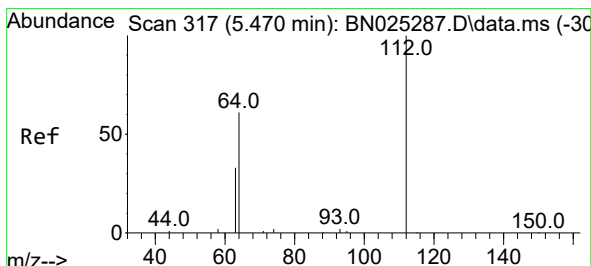
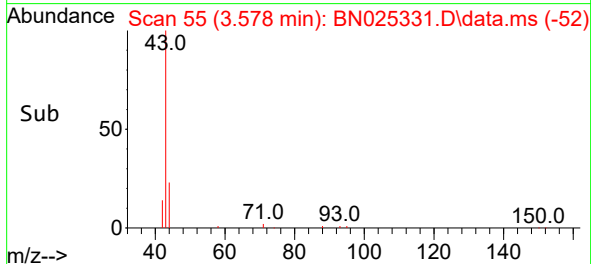
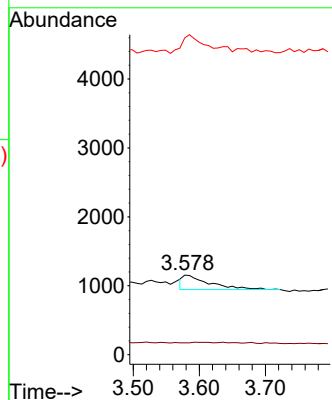
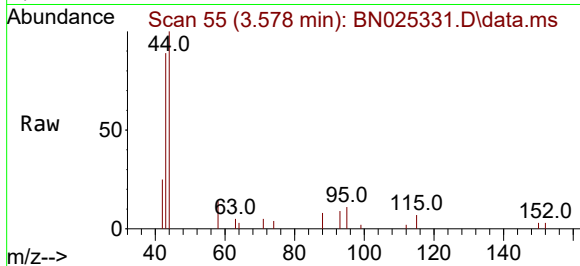




#3
n-Nitrosodimethylamine
Concen: 0.064 ng
RT: 3.578 min Scan# 51
Delta R.T. -0.079 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

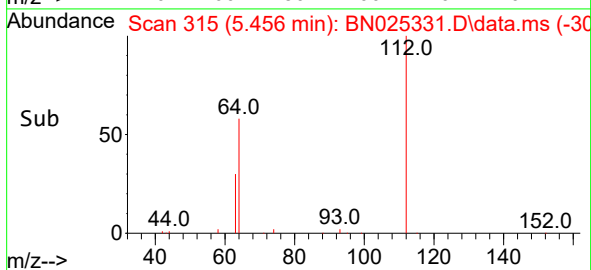
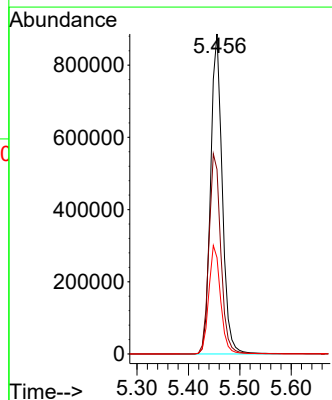
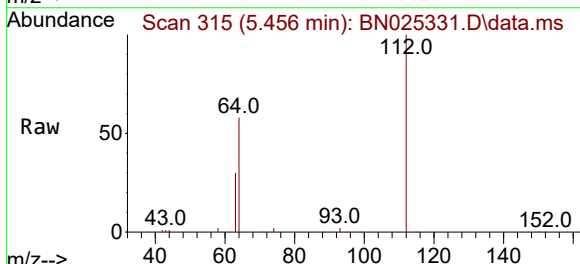
Instrument :
BNA_N
ClientSampleId :
ZONE-D-6-9-05022023

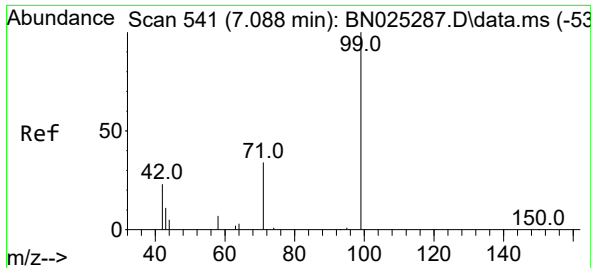
Tgt Ion: 42 Resp: 579
Ion Ratio Lower Upper
42 100
74 2.8 79.9 119.9#
44 57.5 7.0 10.6#



#4
2-Fluorophenol
Concen: 101.385 ng
RT: 5.456 min Scan# 315
Delta R.T. -0.007 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

Tgt Ion: 112 Resp: 1387069
Ion Ratio Lower Upper
112 100
64 64.0 51.5 77.3
63 34.4 27.8 41.6

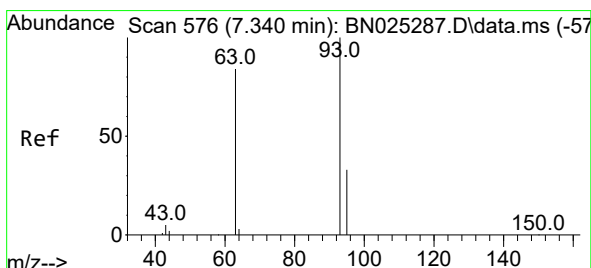
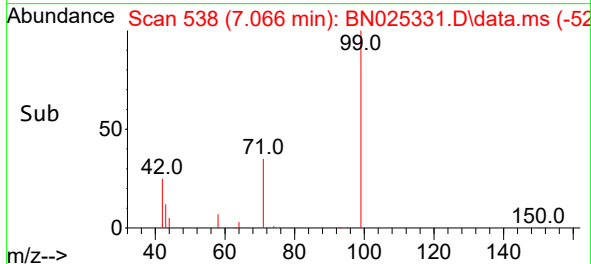
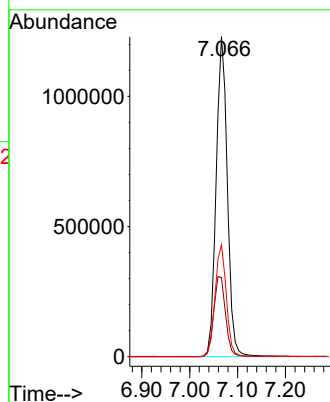
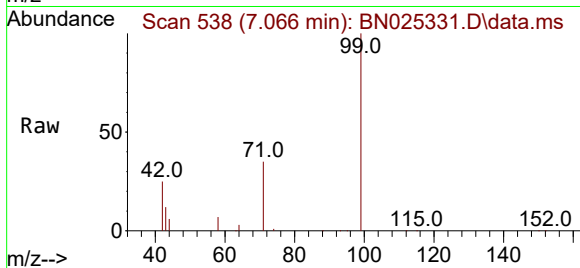




#5
Phenol-d6
Concen: 116.532 ng
RT: 7.066 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

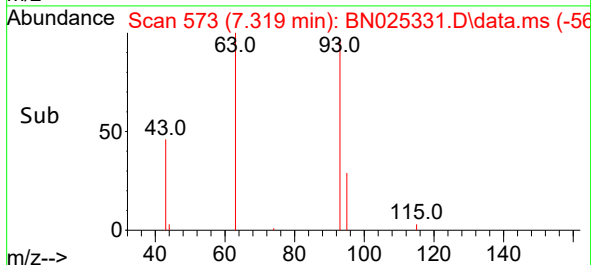
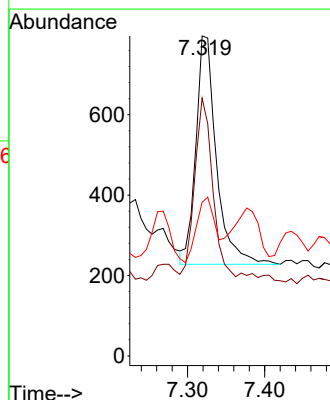
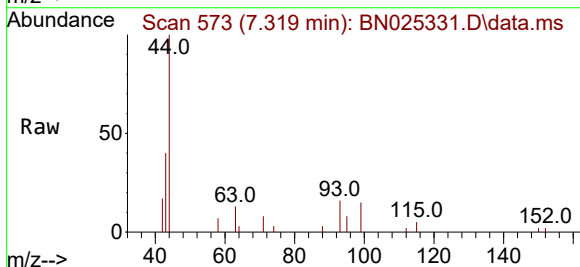
Instrument :
BNA_N
ClientSampleId :
ZONE-D-6-9-05022023

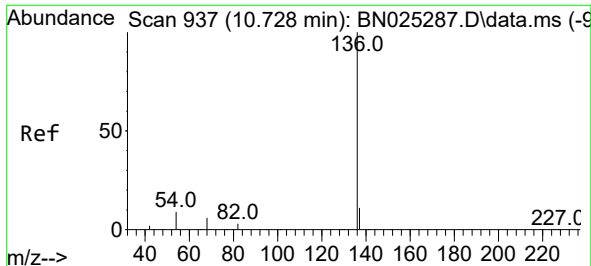
Tgt Ion: 99 Resp: 2000522
Ion Ratio Lower Upper
99 100
42 26.4 22.0 33.0
71 35.1 28.7 43.1



#6
bis(2-Chloroethyl)ether
Concen: 0.070 ng
RT: 7.319 min Scan# 573
Delta R.T. -0.007 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

Tgt Ion: 93 Resp: 1054
Ion Ratio Lower Upper
93 100
63 68.1 67.8 101.6
95 27.6 26.7 40.1

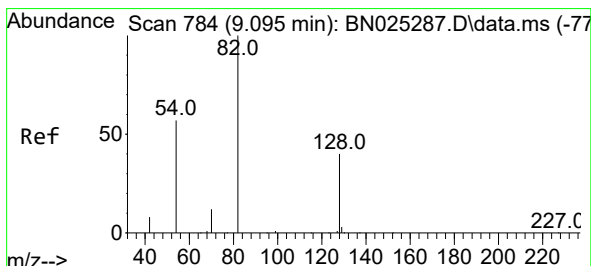
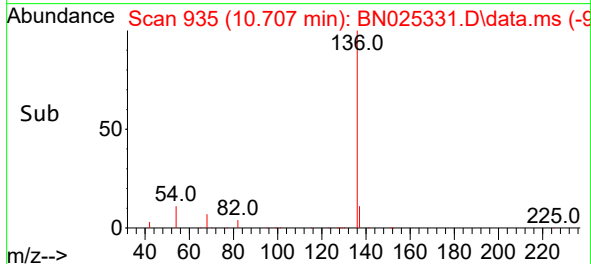
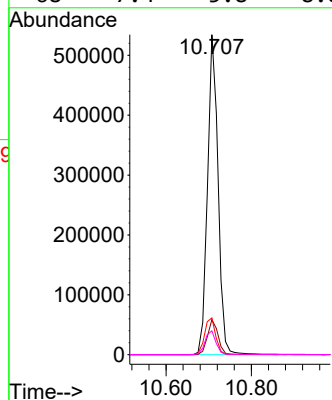
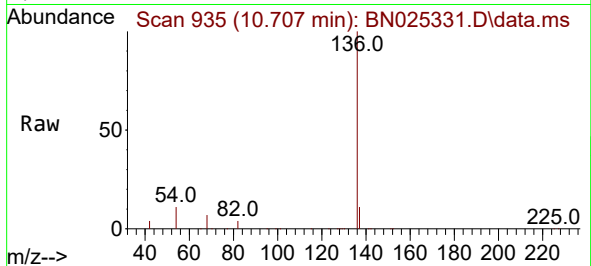




#7
Naphthalene-d8
Concen: 20.000 ng
RT: 10.707 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

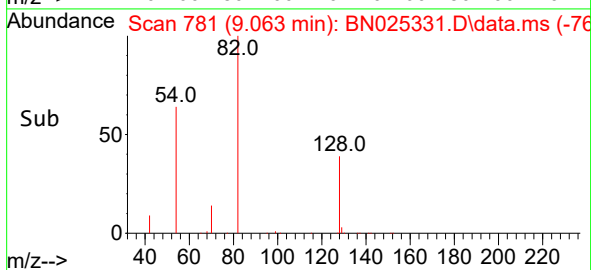
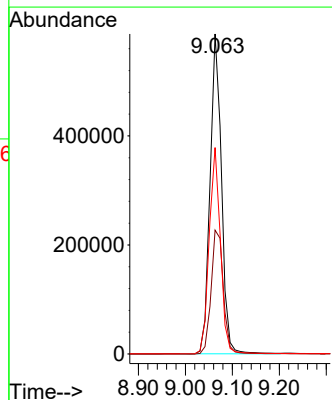
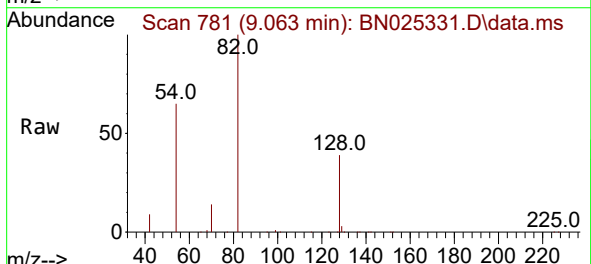
Instrument :
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ClientSampleId :
ZONE-D-6-9-05022023

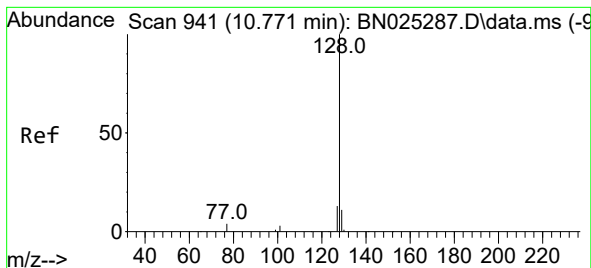
Tgt Ion:	136	Resp:	916568
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.4	14.2
54	11.5	8.5	12.7
68	7.4	5.8	8.8



#8
Nitrobenzene-d5
Concen: 65.687 ng
RT: 9.063 min Scan# 781
Delta R.T. -0.021 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

Tgt Ion:	82	Resp:	990422
Ion	Ratio	Lower	Upper
82	100		
128	38.7	35.3	52.9
54	64.5	48.7	73.1





#9

Naphthalene

Concen: 1.003 ng

RT: 10.761 min Scan# 941

Delta R.T. -0.000 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

Instrument :

BNA_N

ClientSampleId :

ZONE-D-6-9-05022023

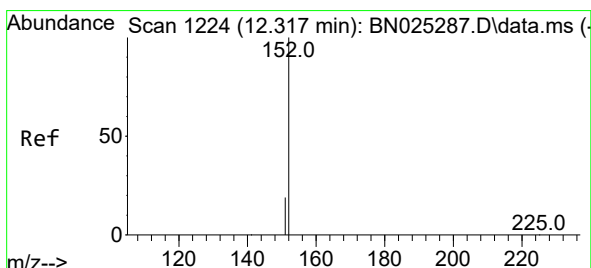
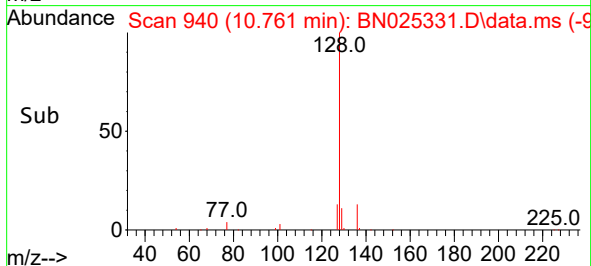
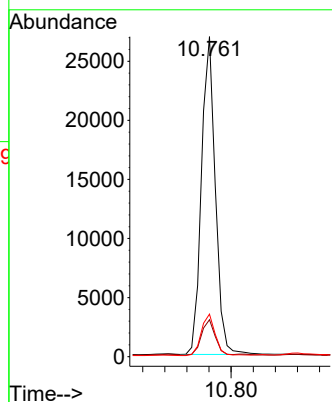
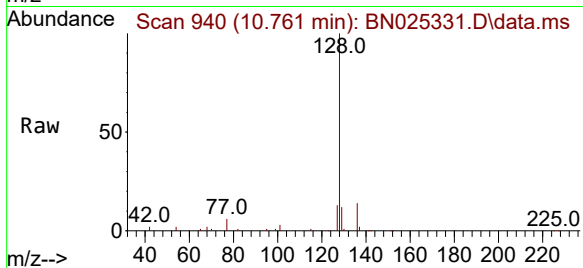
Tgt Ion:128 Resp: 47189

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.2

127 13.3 11.0 16.6



#11

2-Methylnaphthalene-d10

Concen: 0.003 ng

RT: 12.272 min Scan# 1212

Delta R.T. -0.034 min

Lab File: BN025331.D

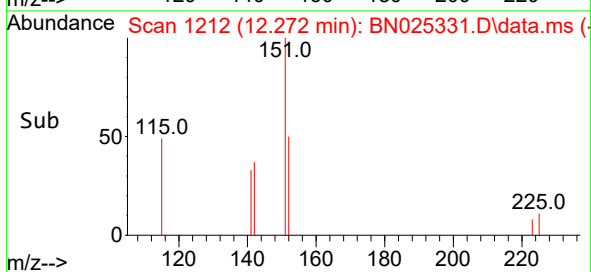
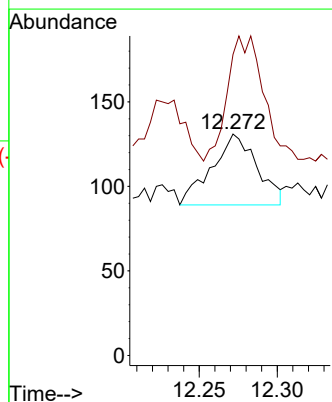
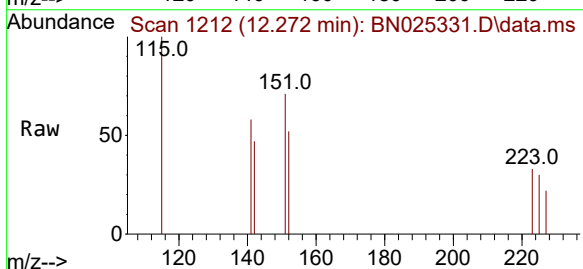
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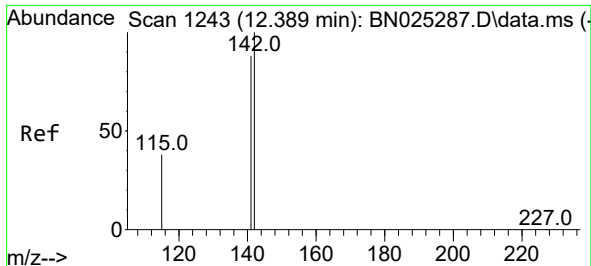
Tgt Ion:152 Resp: 85

Ion Ratio Lower Upper

152 100

151 140.0 16.4 24.6#

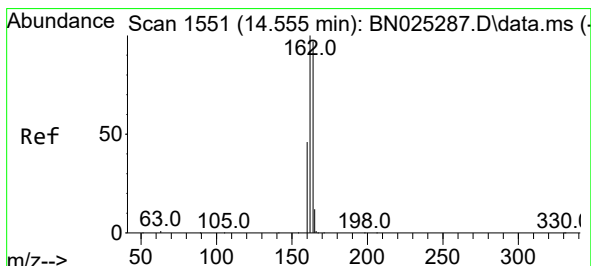
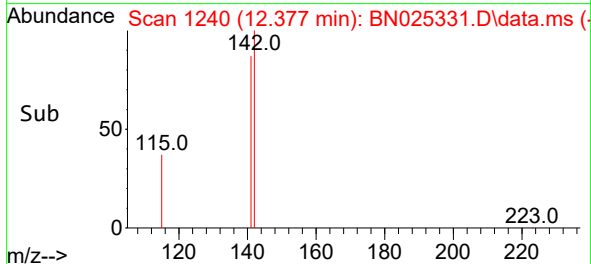
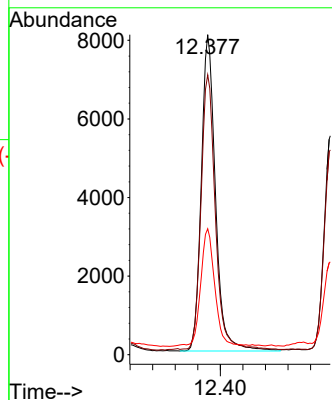
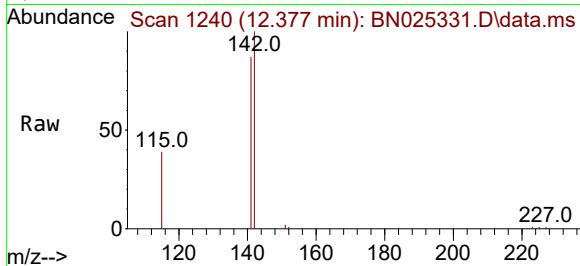




#12
2-Methylnaphthalene
Concen: 0.422 ng
RT: 12.377 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

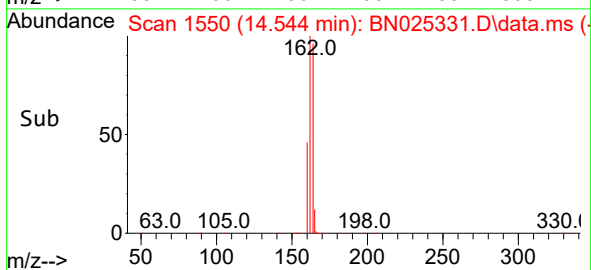
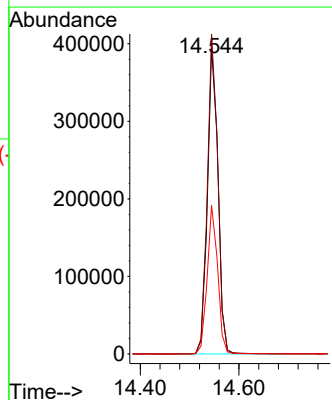
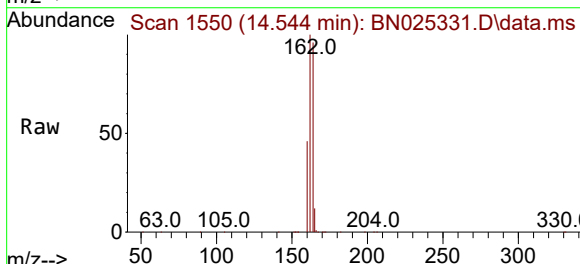
Instrument :
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ZONE-D-6-9-05022023

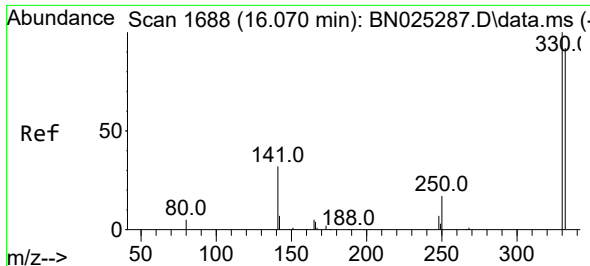
Tgt Ion:142 Resp: 14037
Ion Ratio Lower Upper
142 100
141 87.4 70.5 105.7
115 39.3 31.6 47.4



#13
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.544 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

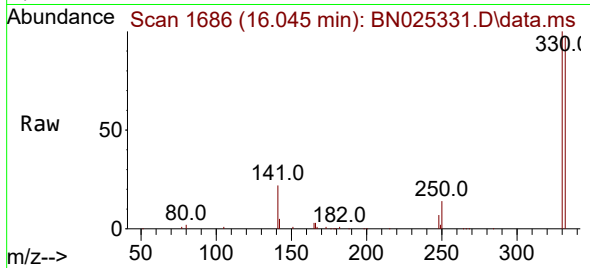
Tgt Ion:164 Resp: 586222
Ion Ratio Lower Upper
164 100
162 104.4 82.1 123.1
160 48.4 38.3 57.5



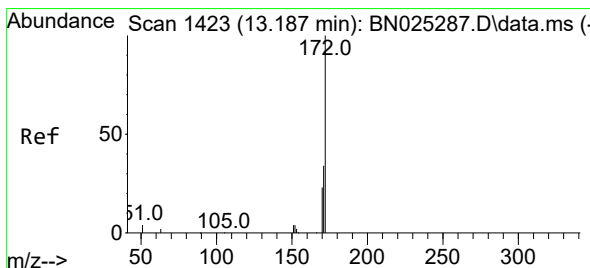
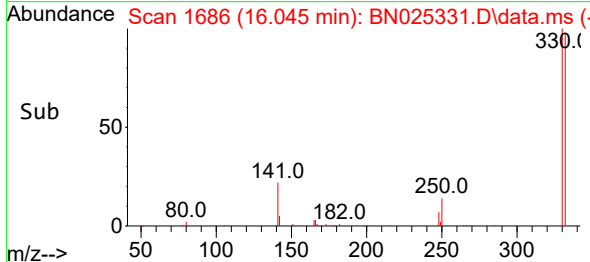
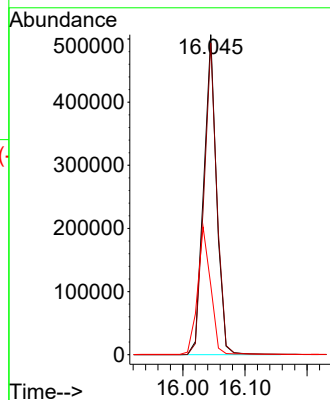


#14
2,4,6-Tribromophenol
Concen: 122.122 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.012 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

Instrument :
BNA_N
ClientSampleId :
ZONE-D-6-9-05022023

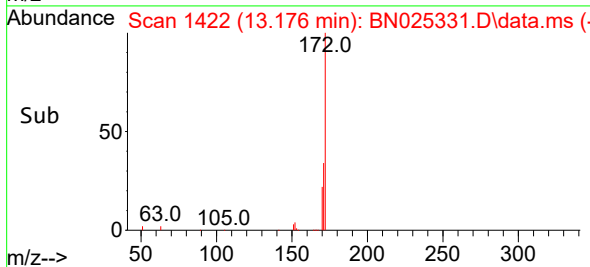
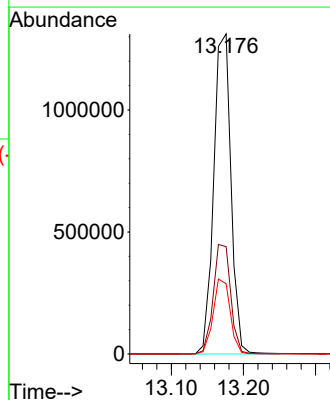
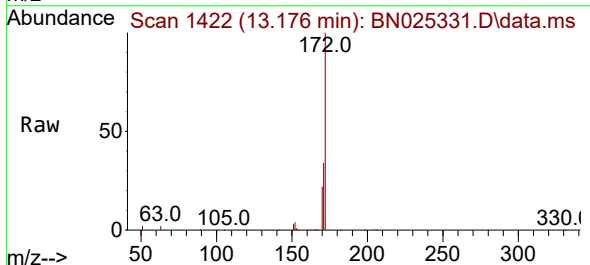


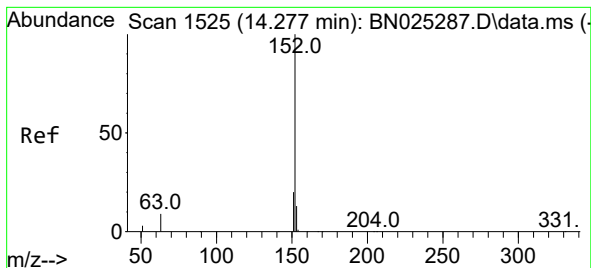
Tgt Ion:330 Resp: 731966
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.0
141 40.1 28.9 43.3



#15
2-Fluorobiphenyl
Concen: 54.334 ng
RT: 13.176 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

Tgt Ion:172 Resp: 2184594
Ion Ratio Lower Upper
172 100
171 33.5 27.9 41.9
170 21.9 19.0 28.4





#16

Acenaphthylene

Concen: 1.249 ng

RT: 14.267 min Scan# 1524

Delta R.T. -0.000 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

Instrument :

BNA_N

ClientSampleId :

ZONE-D-6-9-05022023

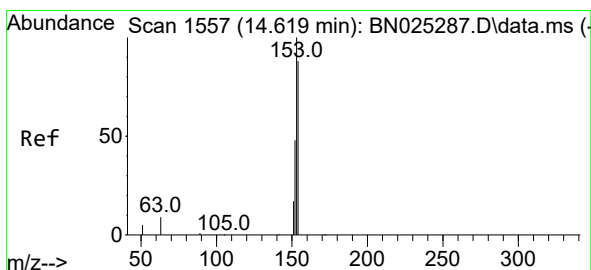
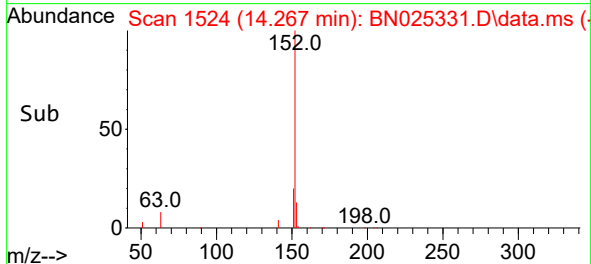
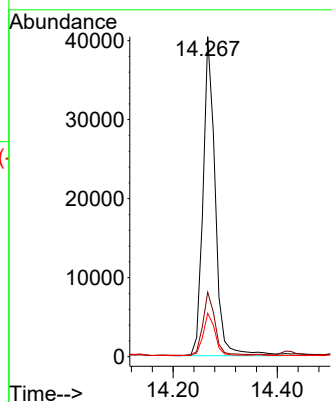
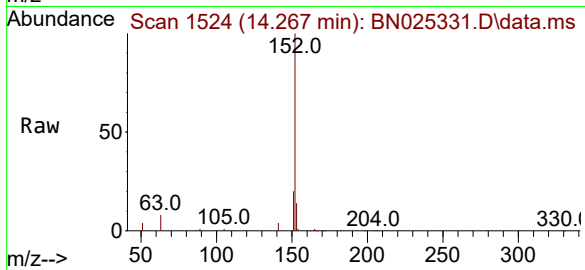
Tgt Ion:152 Resp: 65560

Ion Ratio Lower Upper

152 100

151 19.6 16.1 24.1

153 13.2 10.3 15.5



#17

Acenaphthene

Concen: 0.470 ng

RT: 14.609 min Scan# 1556

Delta R.T. -0.000 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

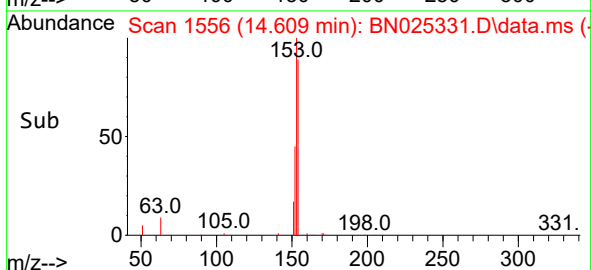
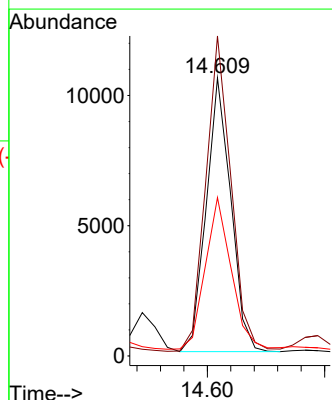
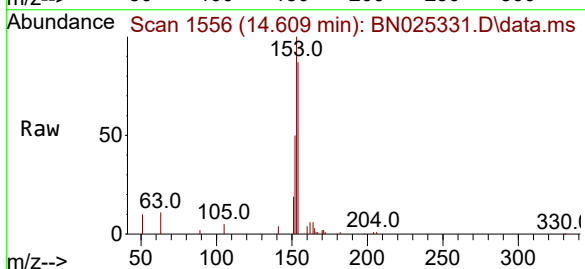
Tgt Ion:154 Resp: 15334

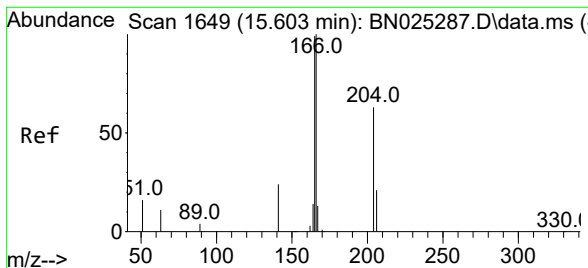
Ion Ratio Lower Upper

154 100

153 118.2 91.3 136.9

152 58.7 44.7 67.1





#18

Fluorene

Concen: 0.982 ng

RT: 15.603 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

Instrument :

BNA_N

ClientSampleId :

ZONE-D-6-9-05022023

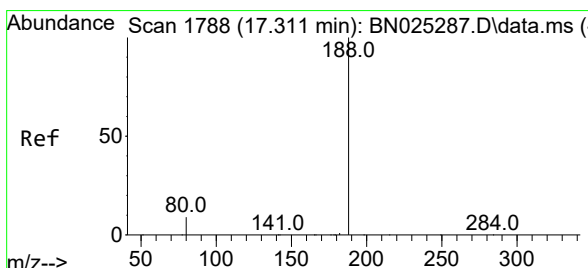
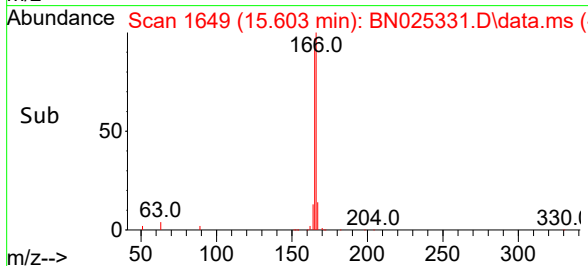
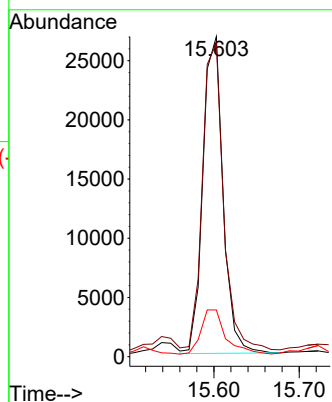
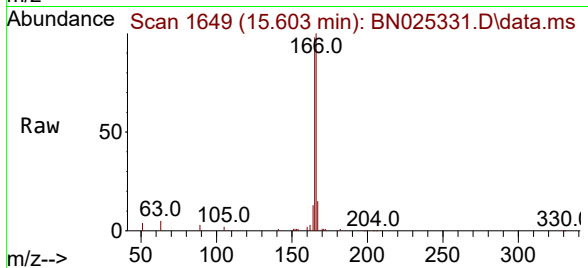
Tgt Ion:166 Resp: 43947

Ion Ratio Lower Upper

166 100

165 100.2 79.0 118.4

167 17.2 10.3 15.5#



#19

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.299 min Scan# 1787

Delta R.T. -0.000 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

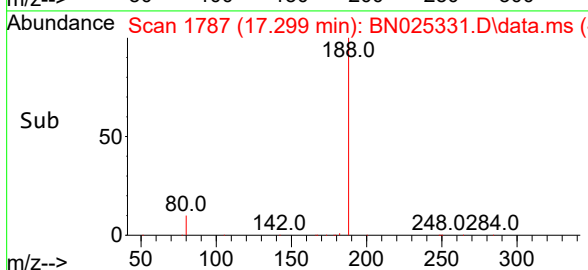
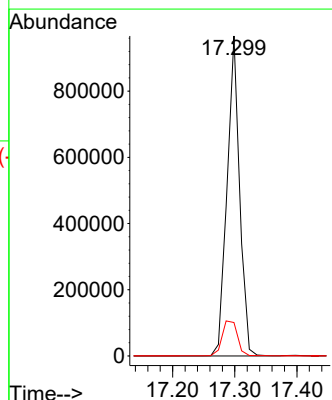
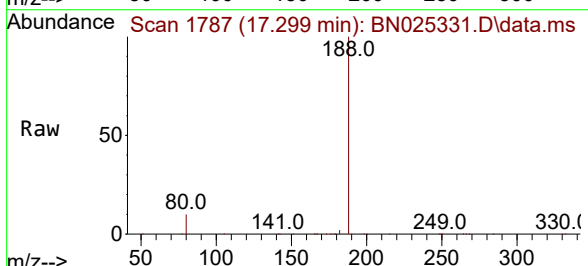
Tgt Ion:188 Resp: 1353557

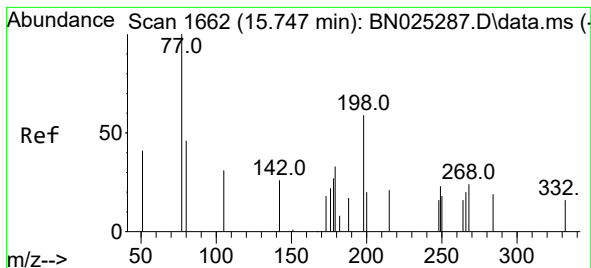
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.5 8.0 12.0

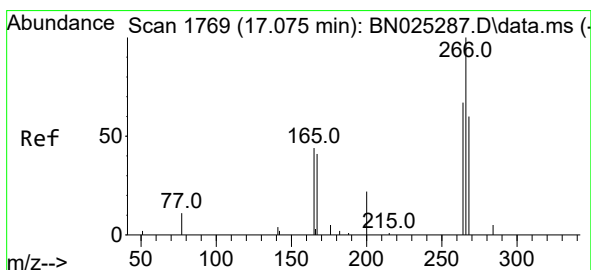
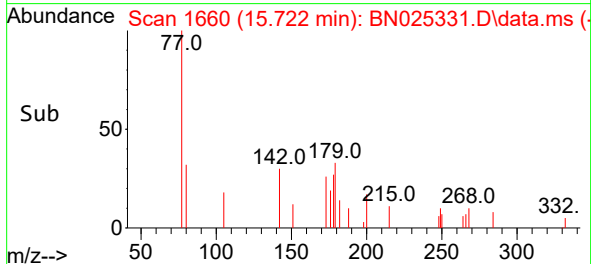
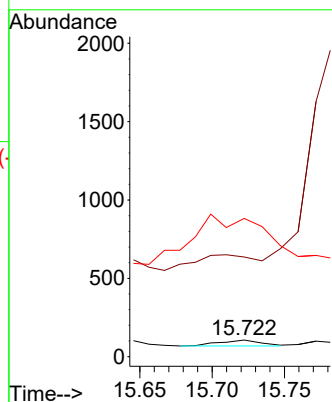
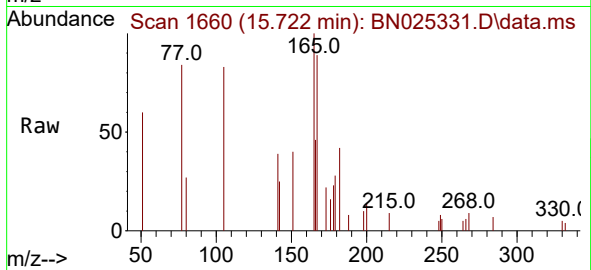




#20
4,6-Dinitro-2-methylphenol
Concen: 14.025 ng
RT: 15.722 min Scan# 1660
Delta R.T. 0.012 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

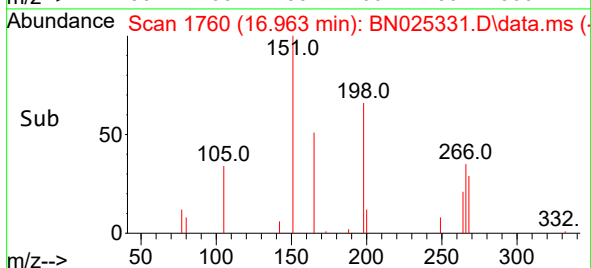
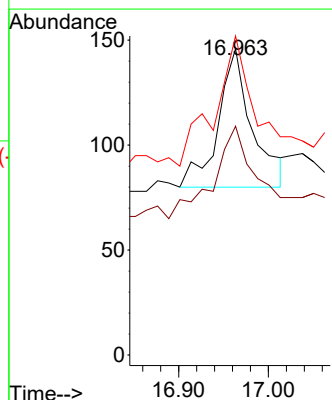
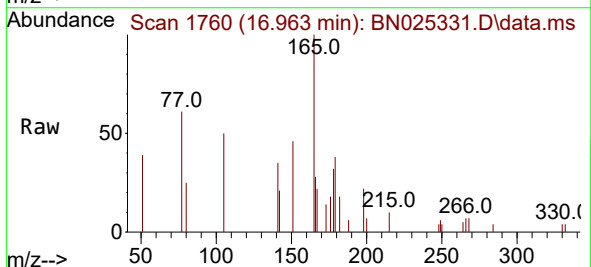
Instrument :
BNA_N
ClientSampleId :
ZONE-D-6-9-05022023

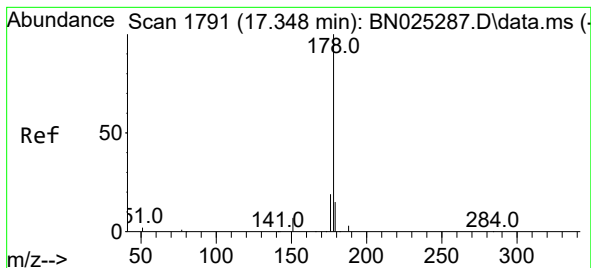
Tgt Ion:198 Resp: 72
Ion Ratio Lower Upper
198 100
51 600.0 162.1 243.1#
105 832.1 83.1 124.7#



#24
Pentachlorophenol
Concen: 13.338 ng
RT: 16.963 min Scan# 1760
Delta R.T. -0.000 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

Tgt Ion:266 Resp: 174
Ion Ratio Lower Upper
266 100
264 86.2 43.0 64.4#
268 124.7 47.4 71.2#





#25

Phenanthrene

Concen: 7.089 ng

RT: 17.336 min Scan# 1790

Delta R.T. -0.000 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

Instrument :

BNA_N

ClientSampleId :

ZONE-D-6-9-05022023

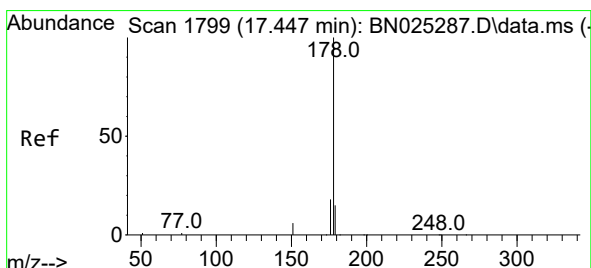
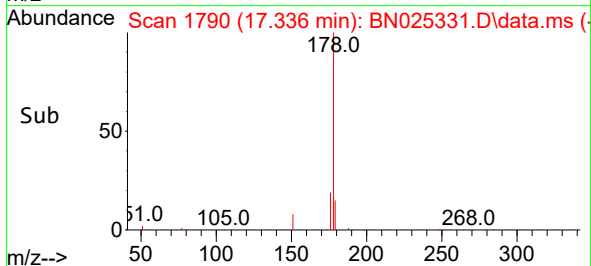
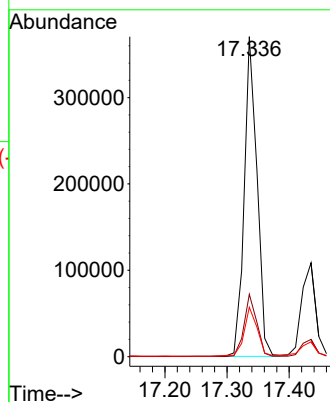
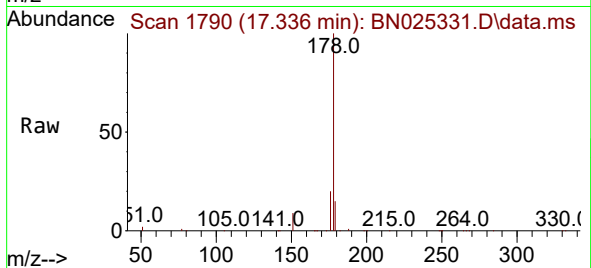
Tgt Ion:178 Resp: 530994

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.9 12.4 18.6



#26

Anthracene

Concen: 2.340 ng

RT: 17.435 min Scan# 1798

Delta R.T. -0.000 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

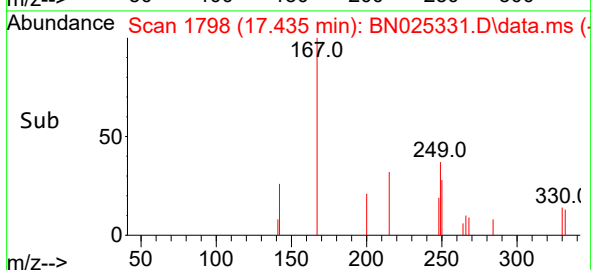
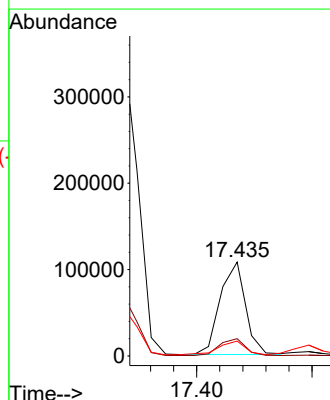
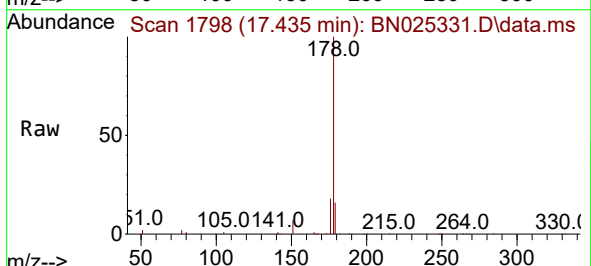
Tgt Ion:178 Resp: 164164

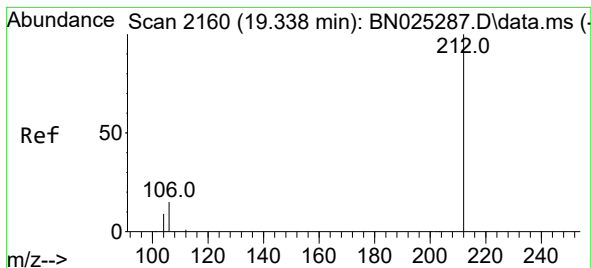
Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 14.9 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.002 ng

RT: 19.325 min Scan# 2160

Delta R.T. -0.008 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

Instrument :

BNA_N

ClientSampleId :

ZONE-D-6-9-05022023

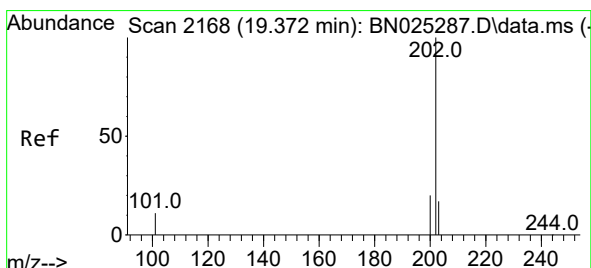
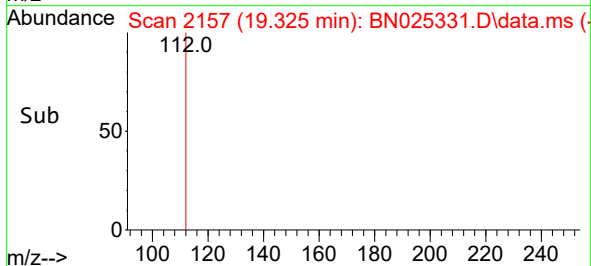
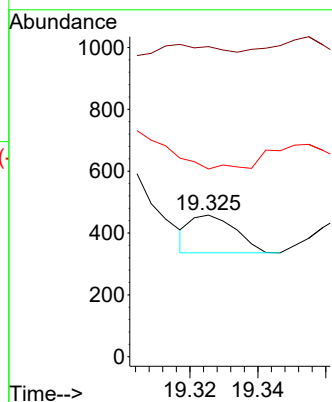
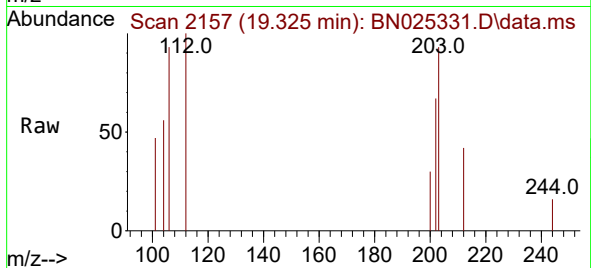
Tgt Ion:212 Resp: 112

Ion Ratio Lower Upper

212 100

106 78.6 12.6 19.0#

104 0.0 7.0 10.6#



#28

Fluoranthene

Concen: 9.157 ng

RT: 19.363 min Scan# 2166

Delta R.T. -0.000 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

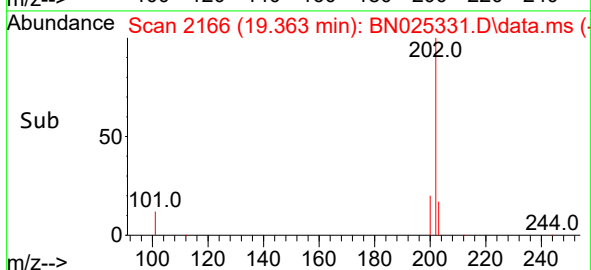
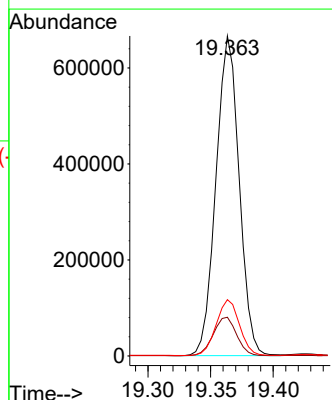
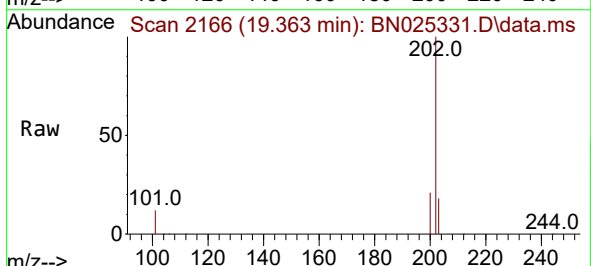
Tgt Ion:202 Resp: 857001

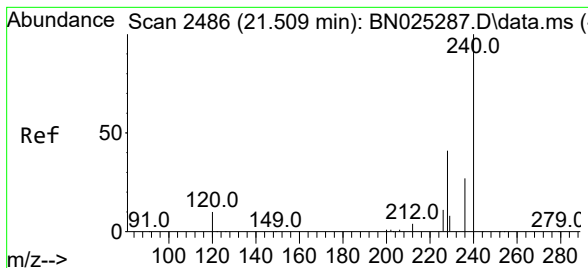
Ion Ratio Lower Upper

202 100

101 12.2 9.8 14.8

203 17.5 13.5 20.3





#29

Chrysene-d12

Concen: 20.000 ng

RT: 21.500 min Scan# 2486

Delta R.T. -0.000 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

Instrument :

BNA_N

ClientSampleId :

ZONE-D-6-9-05022023

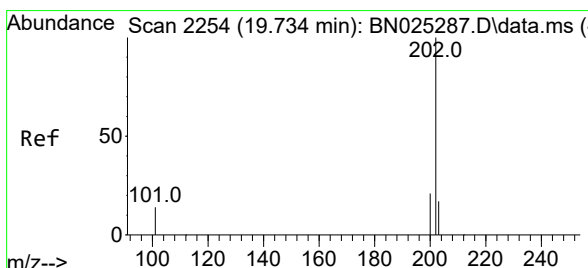
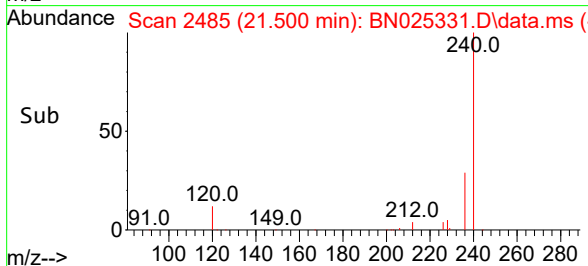
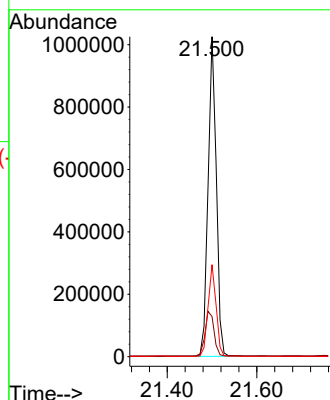
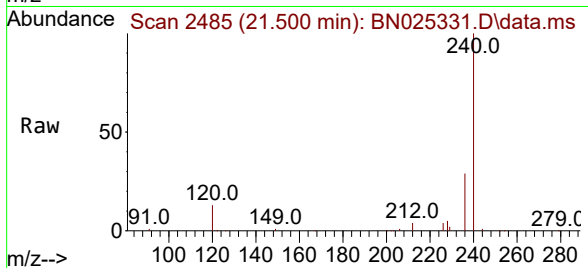
Tgt Ion:240 Resp: 1309778

Ion Ratio Lower Upper

240 100

120 12.6 10.3 15.5

236 28.7 22.3 33.5



#30

Pyrene

Concen: 7.846 ng

RT: 19.726 min Scan# 2252

Delta R.T. -0.004 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

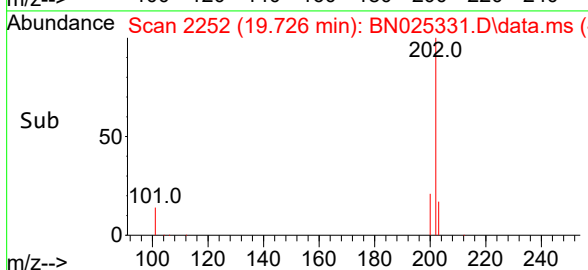
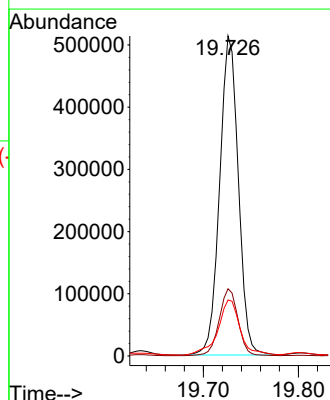
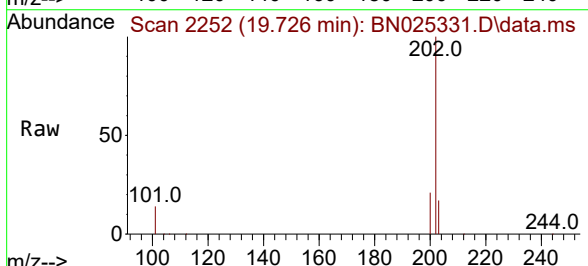
Tgt Ion:202 Resp: 702652

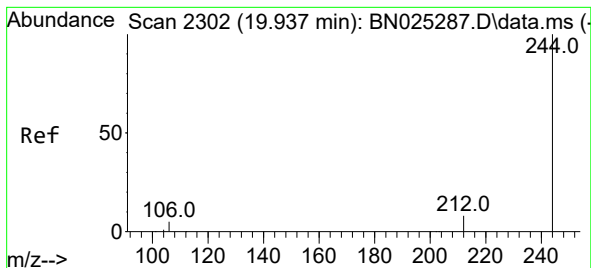
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 20.3 14.4 21.6





#31

Terphenyl-d14

Concen: 53.883 ng

RT: 19.928 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

Instrument :

BNA_N

ClientSampleId :

ZONE-D-6-9-05022023

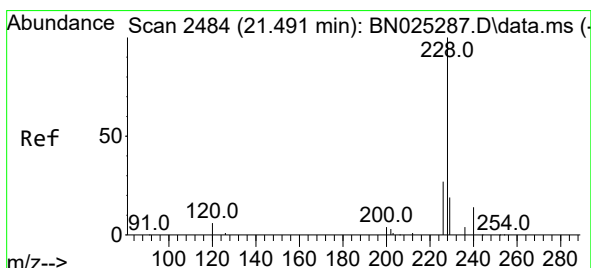
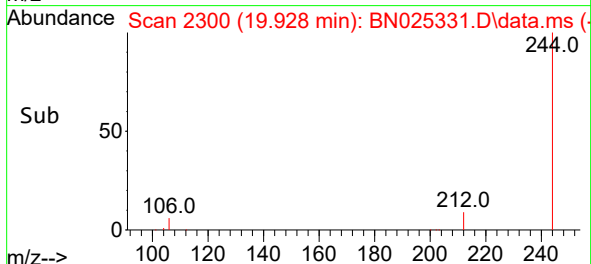
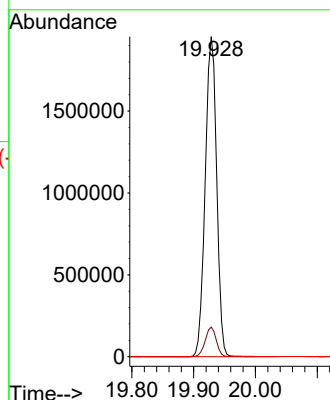
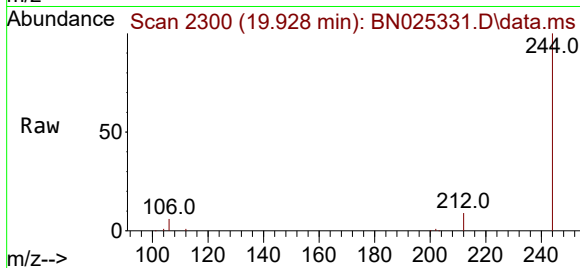
Tgt Ion:244 Resp: 2845973

Ion Ratio Lower Upper

244 100

212 9.3 7.1 10.7

122 0.0 0.0 0.0



#32

Benzo(a)anthracene

Concen: 4.839 ng

RT: 21.482 min Scan# 2483

Delta R.T. -0.000 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

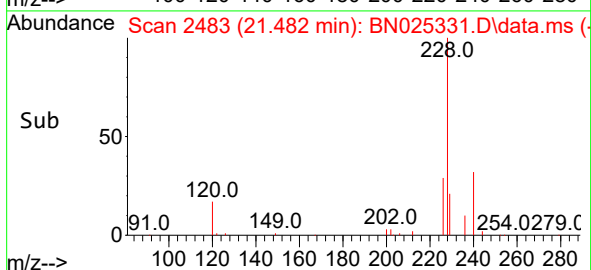
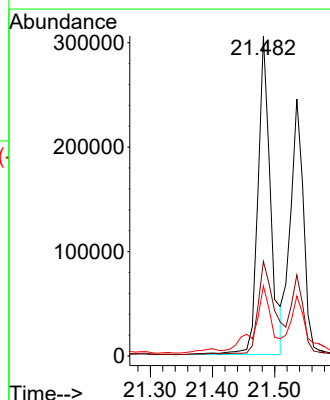
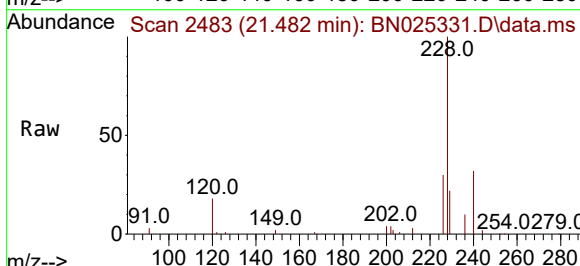
Tgt Ion:228 Resp: 428445

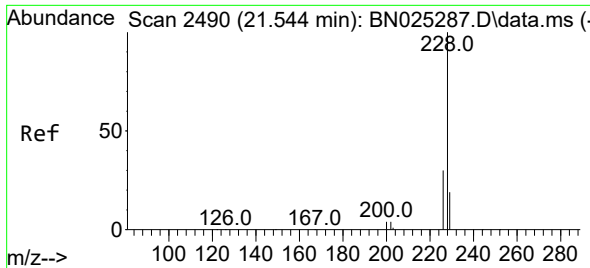
Ion Ratio Lower Upper

228 100

226 29.5 22.5 33.7

229 21.9 16.2 24.2





#33

Chrysene

Concen: 4.027 ng

RT: 21.536 min Scan# 2489

Delta R.T. -0.000 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

Instrument :

BNA_N

ClientSampleId :

ZONE-D-6-9-05022023

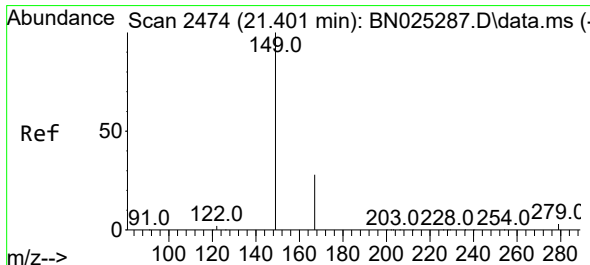
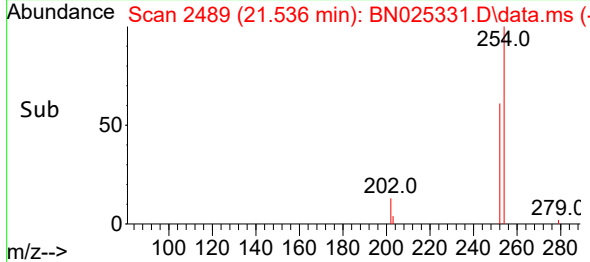
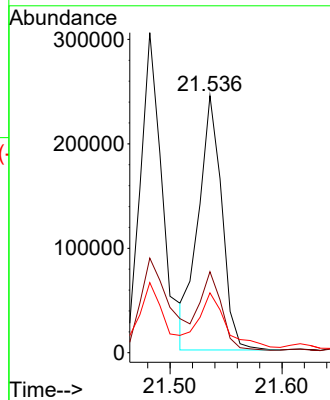
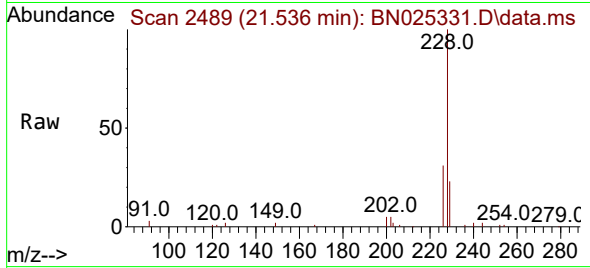
Tgt Ion:228 Resp: 354904

Ion Ratio Lower Upper

228 100

226 31.5 24.6 36.8

229 23.3 16.2 24.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.770 ng

RT: 21.392 min Scan# 2473

Delta R.T. -0.000 min

Lab File: BN025331.D

Acq: 08 May 2023 14:07

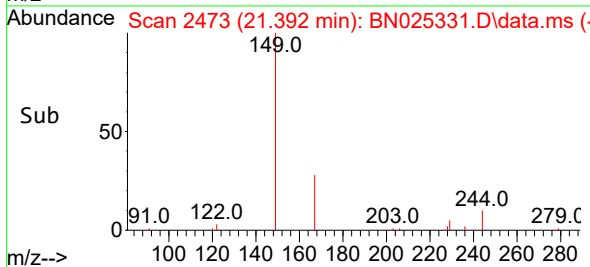
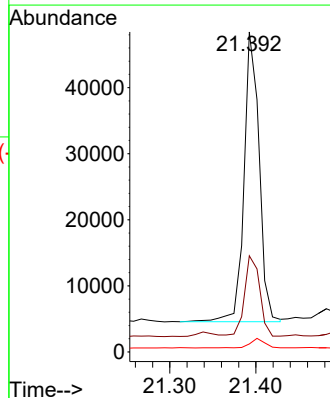
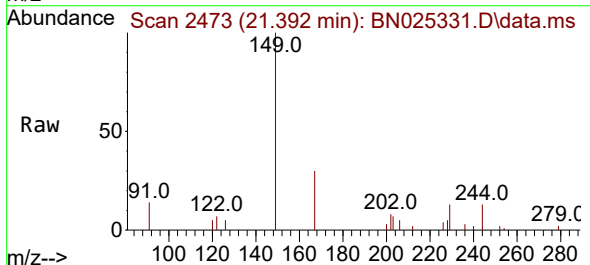
Tgt Ion:149 Resp: 53499

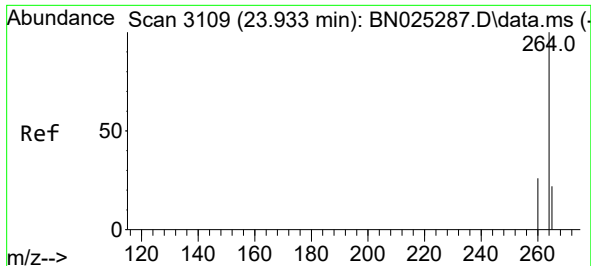
Ion Ratio Lower Upper

149 100

167 28.0 22.2 33.4

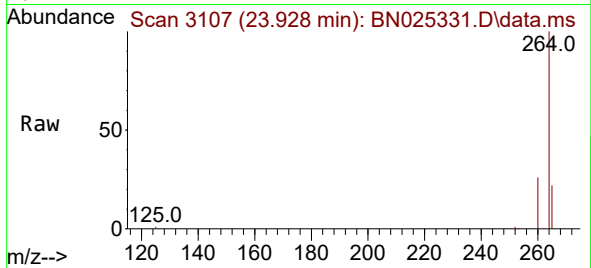
279 3.1 2.6 4.0



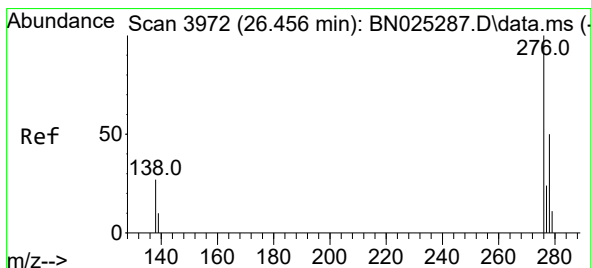
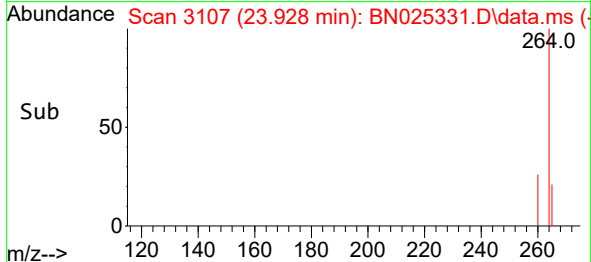
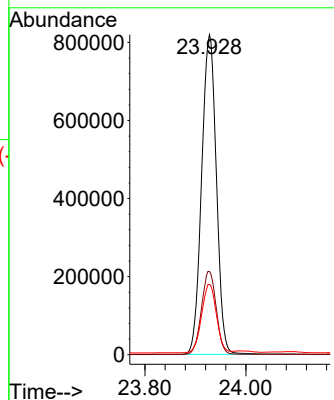


#35
Perylene-d12
Concen: 20.000 ng
RT: 23.928 min Scan# 3107
Delta R.T. -0.003 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

Instrument :
BNA_N
ClientSampleId :
ZONE-D-6-9-05022023

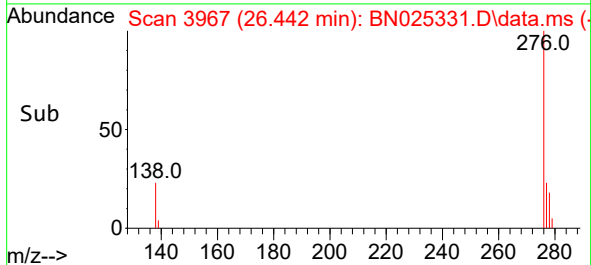
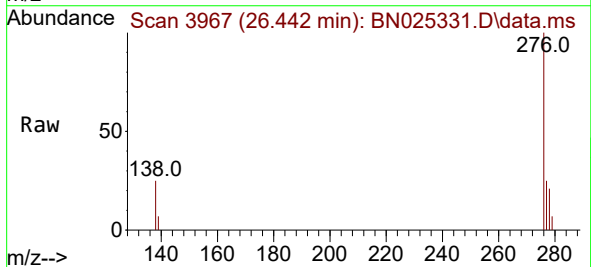
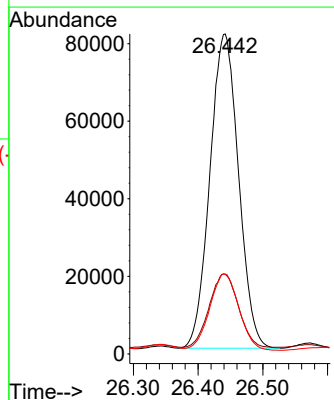


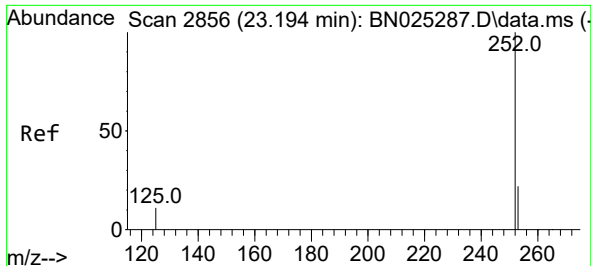
Tgt Ion:264 Resp: 1661966
Ion Ratio Lower Upper
264 100
260 26.0 21.5 32.3
265 22.0 46.2 69.4#



#36
Indeno(1,2,3-cd)pyrene
Concen: 1.870 ng
RT: 26.442 min Scan# 3967
Delta R.T. -0.006 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

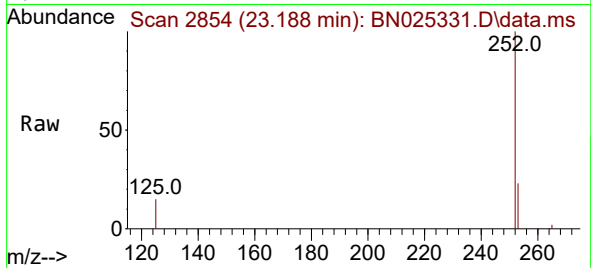
Tgt Ion:276 Resp: 249247
Ion Ratio Lower Upper
276 100
138 23.6 22.5 33.7
277 24.8 19.8 29.6



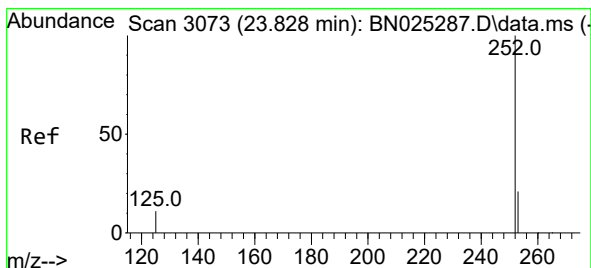
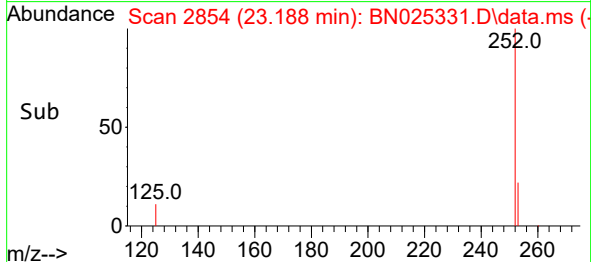
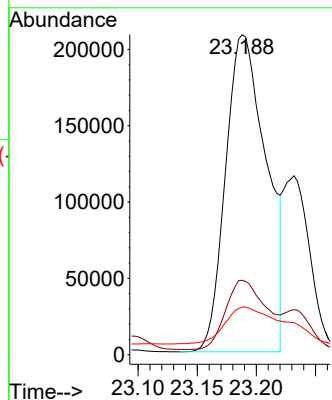


#37
Benzo(b)fluoranthene
Concen: 4.729 ng
RT: 23.188 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

Instrument :
BNA_N
ClientSampleId :
ZONE-D-6-9-05022023

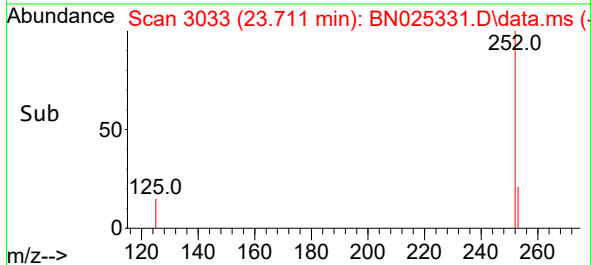
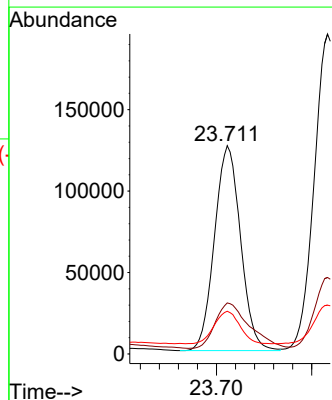
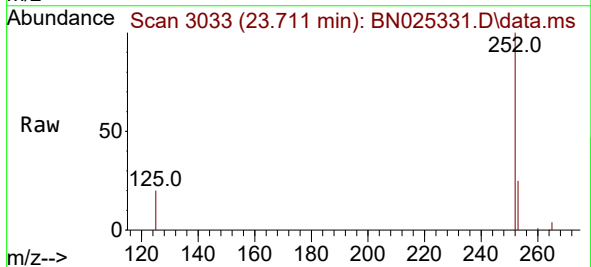


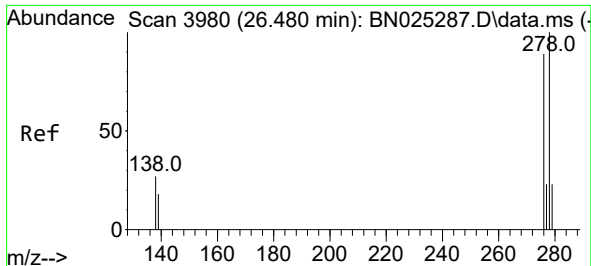
Tgt Ion:252 Resp: 498273
Ion Ratio Lower Upper
252 100
253 23.2 20.8 31.2
125 14.8 13.4 20.2



#39
Benzo(a)pyrene
Concen: 2.217 ng
RT: 23.711 min Scan# 3033
Delta R.T. -0.111 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

Tgt Ion:252 Resp: 239259
Ion Ratio Lower Upper
252 100
253 24.5 21.4 32.0
125 20.5 15.4 23.2

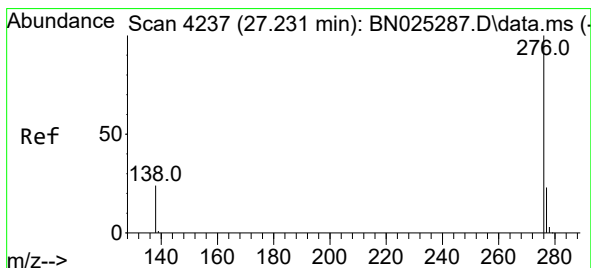
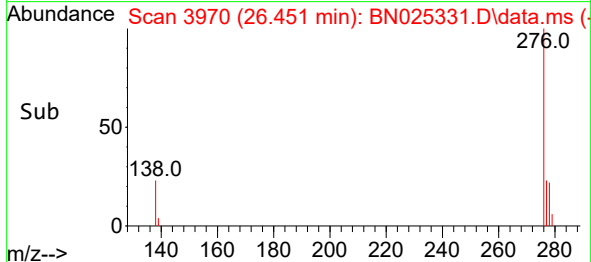
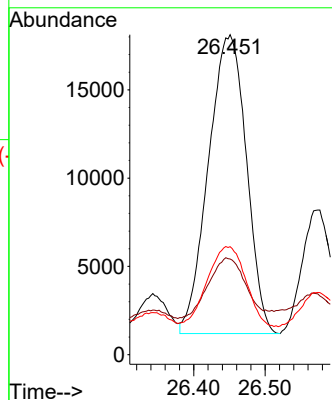
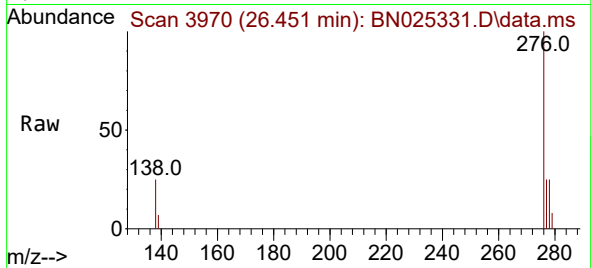




#40
Dibenzo(a,h)anthracene
Concen: 0.594 ng
RT: 26.451 min Scan# 3980
Delta R.T. -0.015 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

Instrument :
BNA_N
ClientSampleId :
ZONE-D-6-9-05022023

Tgt Ion:278 Resp: 62500
Ion Ratio Lower Upper
278 100
139 29.9 17.6 26.4#
279 33.8 21.6 32.4#



#41
Benzo(g,h,i)perylene
Concen: 2.021 ng
RT: 27.220 min Scan# 4233
Delta R.T. -0.009 min
Lab File: BN025331.D
Acq: 08 May 2023 14:07

Tgt Ion:276 Resp: 233518
Ion Ratio Lower Upper
276 100
277 24.5 20.1 30.1
138 25.3 21.0 31.6

