

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082523\
 Data File : BN027145.D
 Acq On : 26 Aug 2023 08:39
 Operator : MA/JU
 Sample : 04025-10
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT149S1-20230815

Quant Time: Aug 26 22:32:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 26 02:13:59 2023
 Response via : Initial Calibration

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

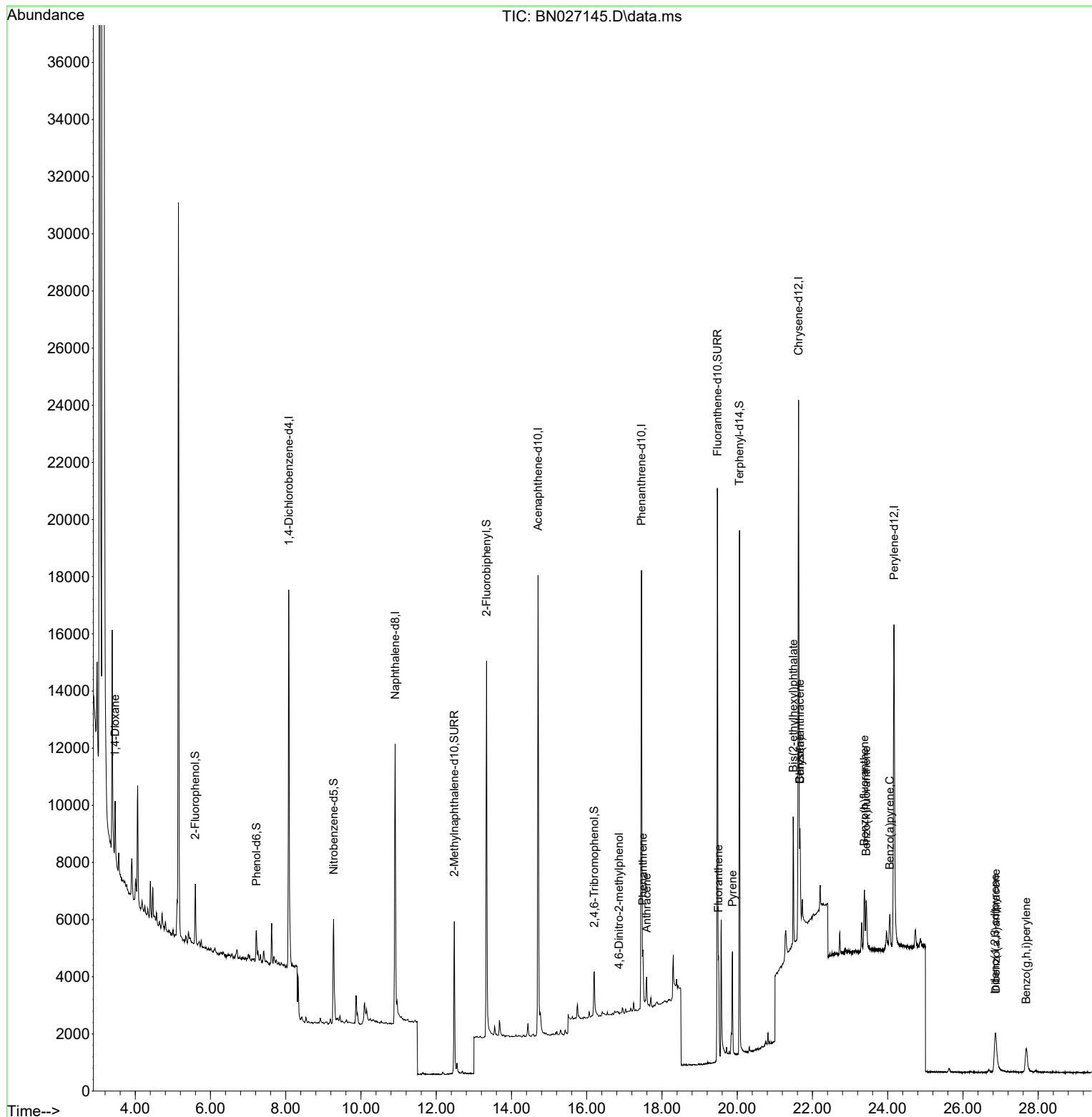
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	6343	0.400	ng	0.00
7) Naphthalene-d8	10.906	136	14671	0.400	ng	0.00
13) Acenaphthene-d10	14.705	164	10056	0.400	ng	0.00
19) Phenanthrene-d10	17.455	188	23101	0.400	ng	0.00
29) Chrysene-d12	21.632	240	19596	0.400	ng	0.00
35) Perylene-d12	24.168	264	19247	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.596	112	1770	0.099	ng	0.00
5) Phenol-d6	7.221	99	1228	0.056	ng	0.00
8) Nitrobenzene-d5	9.273	82	3468	0.280	ng	0.00
11) 2-Methylnaphthalene-d10	12.479	152	7750	0.332	ng	0.00
14) 2,4,6-Tribromophenol	16.202	330	1180	0.220	ng	0.00
15) 2-Fluorobiphenyl	13.336	172	12179	0.326	ng	0.00
27) Fluoranthene-d10	19.477	212	22783	0.385	ng	0.00
31) Terphenyl-d14	20.062	244	18443	0.450	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.466	88	1535	0.225	ng	# 73
20) 4,6-Dinitro-2-methylph...	16.860	198	16	0.044	ng	# 1
25) Phenanthrene	17.493	178	1831	0.028	ng	97
26) Anthracene	17.592	178	1436	0.023	ng	98
28) Fluoranthene	19.505	202	3061	0.039	ng	# 81
30) Pyrene	19.872	202	3238	0.043	ng	99
32) Benzo(a)anthracene	21.668	228	3006	0.042	ng	91
33) Chrysene	21.668	228	2946	0.041	ng	94
34) Bis(2-ethylhexyl)phtha...	21.489	149	4554	0.089	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.846	276	2558	0.032	ng	97
37) Benzo(b)fluoranthene	23.379	252	3009	0.047	ng	# 27
38) Benzo(k)fluoranthene	23.431	252	2701	0.041	ng	# 28
39) Benzo(a)pyrene	24.054	252	2118	0.033	ng	# 1
40) Dibenzo(a,h)anthracene	26.878	278	1940	0.031	ng	# 39
41) Benzo(g,h,i)perylene	27.680	276	2423	0.036	ng	# 70

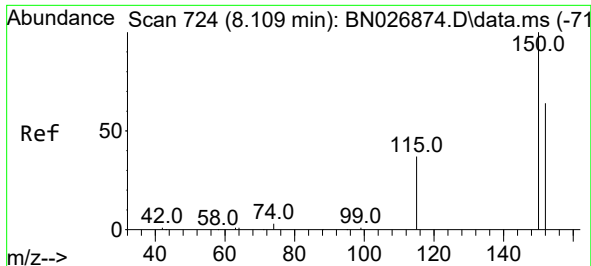
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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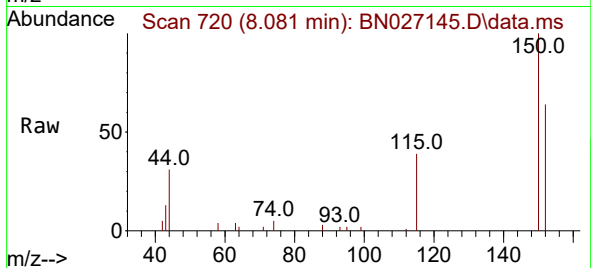
Quant Time: Aug 26 22:32:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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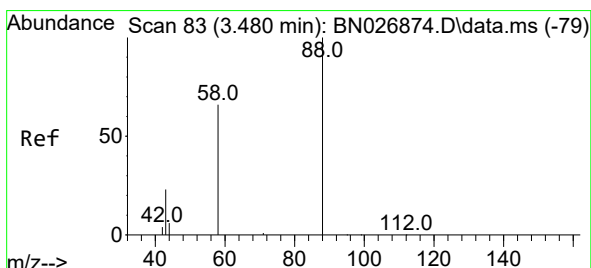
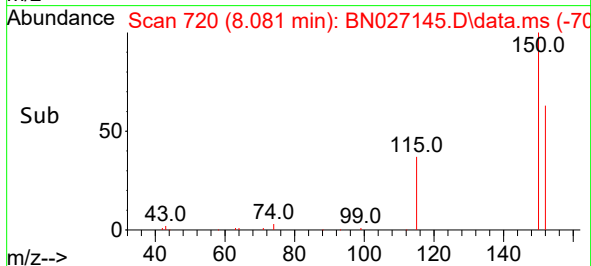
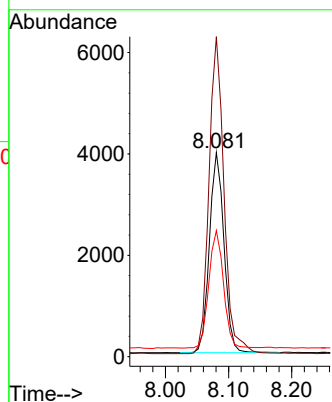


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.081 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: BN027145.D
 Acq: 26 Aug 2023 08:39

Instrument :
 BNA_N
 ClientSampleId :
 TT149S1-20230815

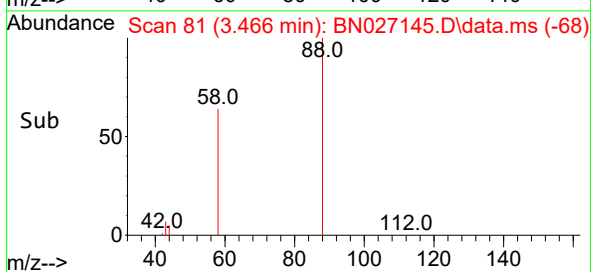
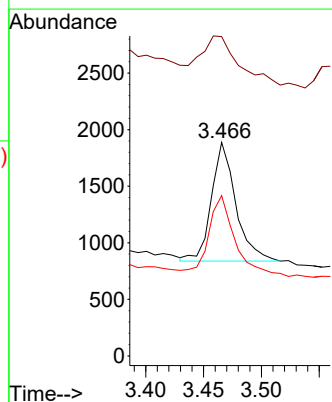
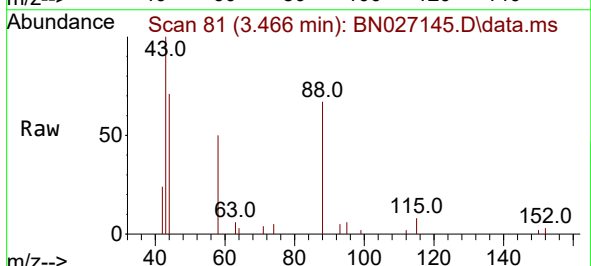


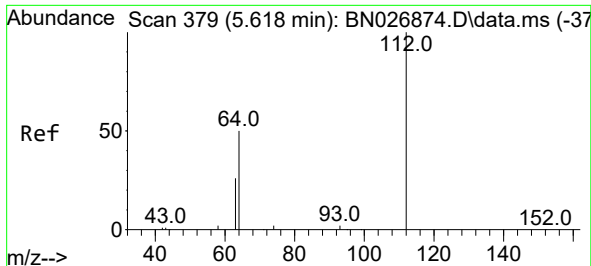
Tgt Ion:152 Resp: 6343
 Ion Ratio Lower Upper
 152 100
 150 156.7 123.8 185.6
 115 61.7 49.7 74.5



#2
 1,4-Dioxane
 Concen: 0.225 ng
 RT: 3.466 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: BN027145.D
 Acq: 26 Aug 2023 08:39

Tgt Ion: 88 Resp: 1535
 Ion Ratio Lower Upper
 88 100
 43 62.9 19.2 28.8#
 58 75.3 54.5 81.7

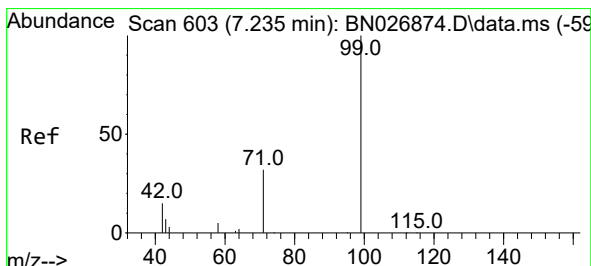
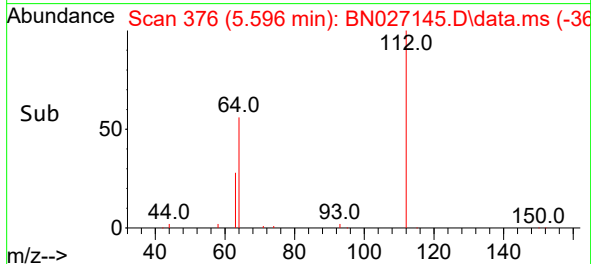
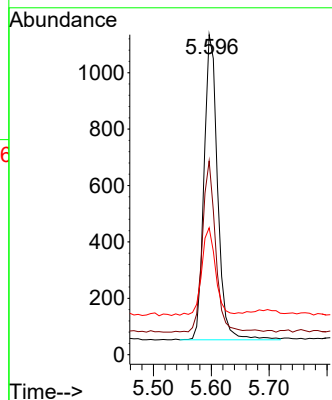
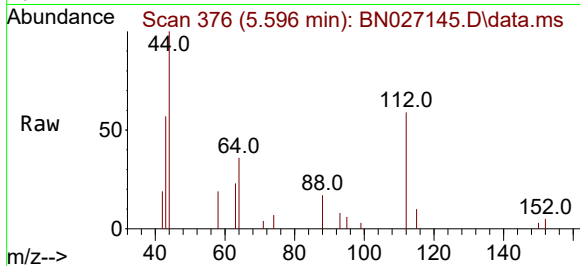




#4
2-Fluorophenol
Concen: 0.099 ng
RT: 5.596 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

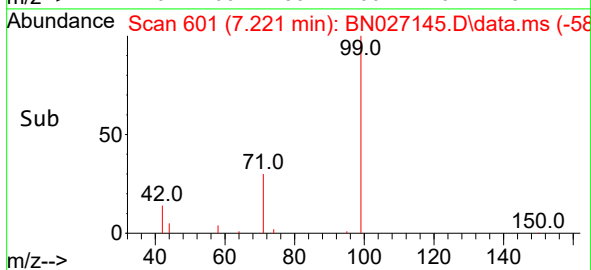
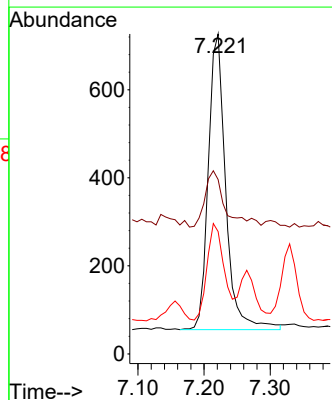
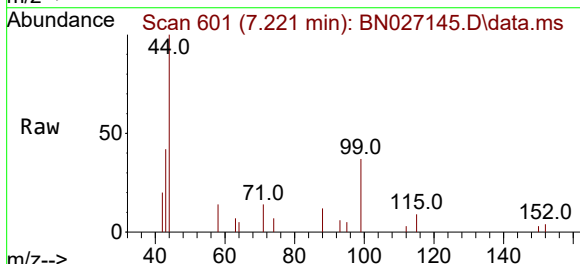
Instrument :
BNA_N
ClientSampleId :
TT149S1-20230815

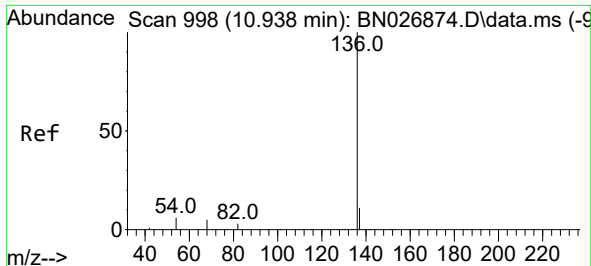
Tgt Ion:112 Resp: 1770
Ion Ratio Lower Upper
112 100
64 54.4 41.5 62.3
63 29.3 21.7 32.5



#5
Phenol-d6
Concen: 0.056 ng
RT: 7.221 min Scan# 601
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

Tgt Ion: 99 Resp: 1228
Ion Ratio Lower Upper
99 100
42 21.9 13.6 20.4#
71 31.8 26.0 39.0

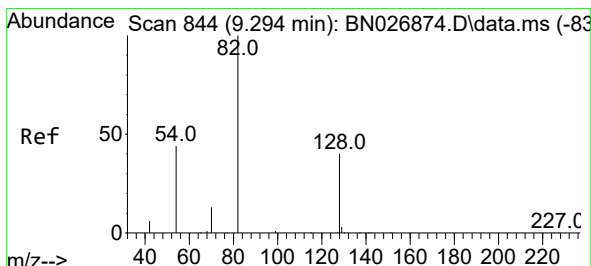
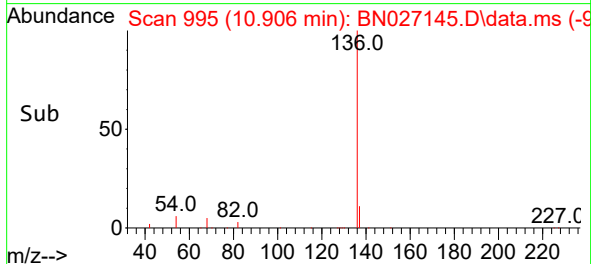
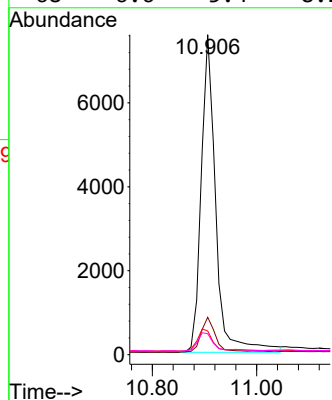
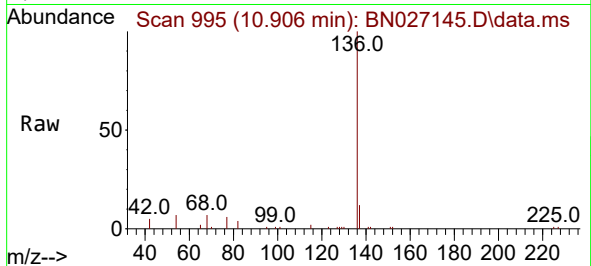




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.906 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

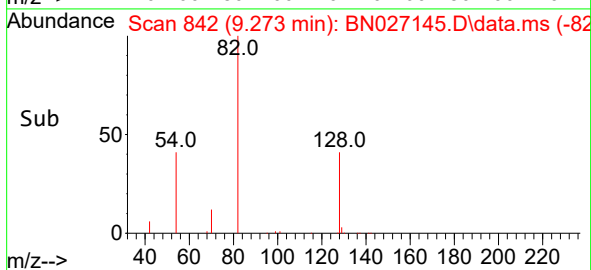
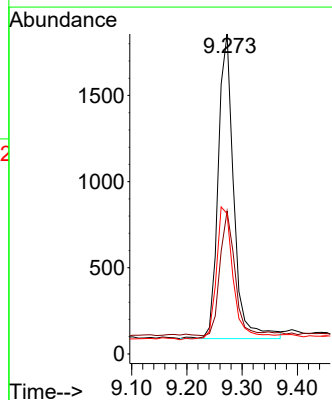
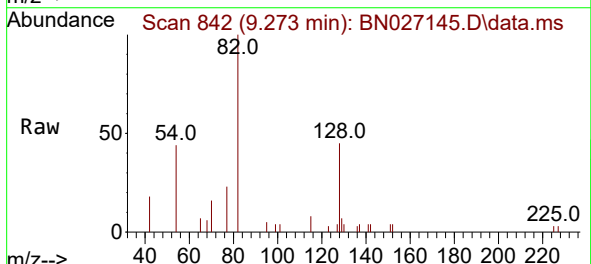
Instrument :
BNA_N
ClientSampleId :
TT149S1-20230815

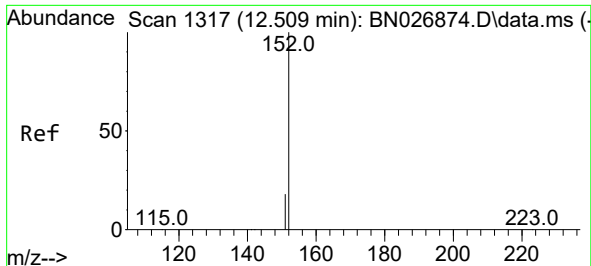
Tgt Ion:	136	Resp:	14671
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.0	13.6
54	7.4	5.5	8.3
68	6.6	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.280 ng
RT: 9.273 min Scan# 842
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

Tgt Ion:	82	Resp:	3468
Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.1	51.1
54	43.8	37.0	55.4





#11

2-Methylnaphthalene-d10

Concen: 0.332 ng

RT: 12.479 min Scan# 11

Delta R.T. -0.004 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

Instrument :

BNA_N

ClientSampleId :

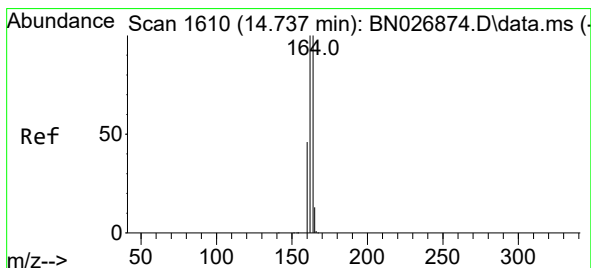
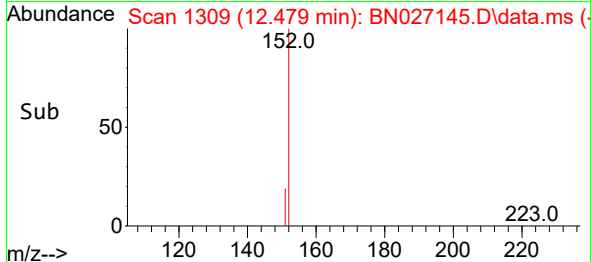
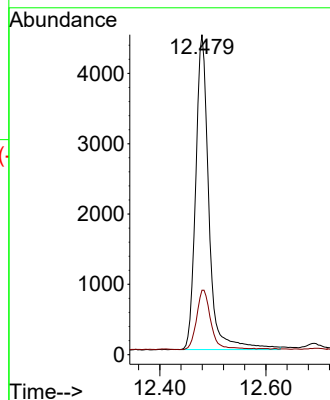
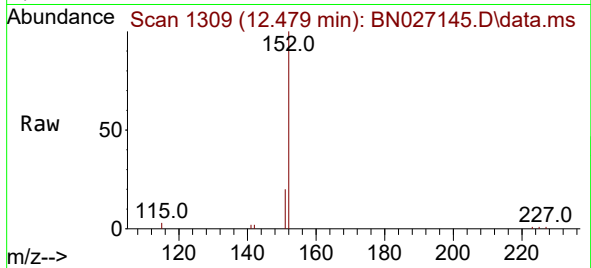
TT149S1-20230815

Tgt Ion:152 Resp: 7750

Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.705 min Scan# 1607

Delta R.T. 0.000 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

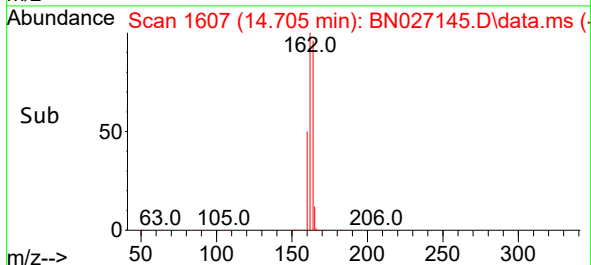
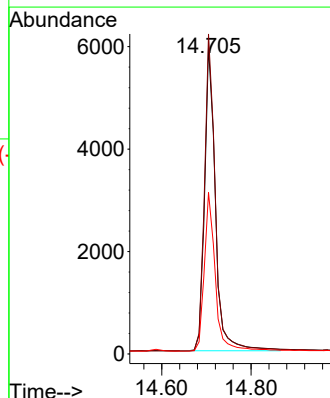
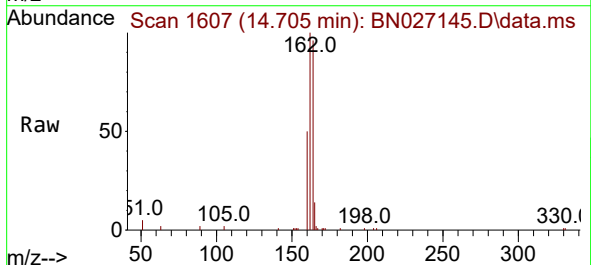
Tgt Ion:164 Resp: 10056

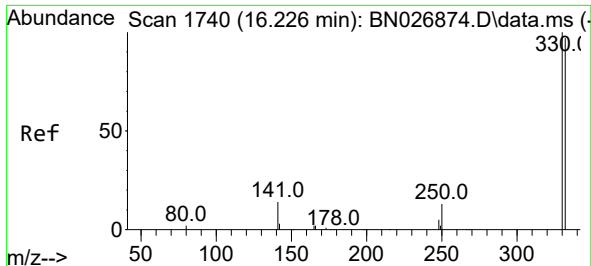
Ion Ratio Lower Upper

164 100

162 104.2 79.7 119.5

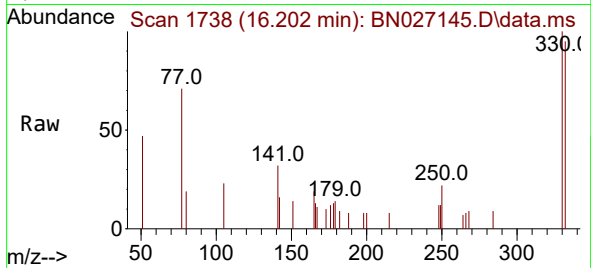
160 52.6 37.4 56.0



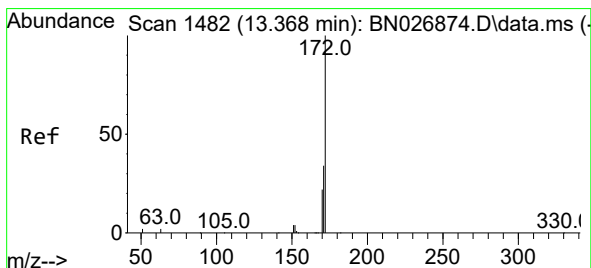
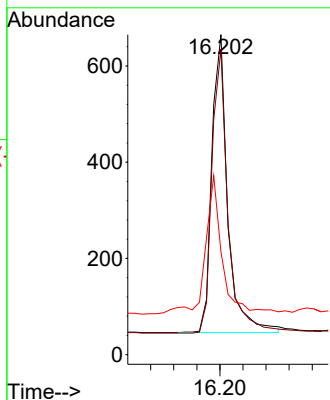
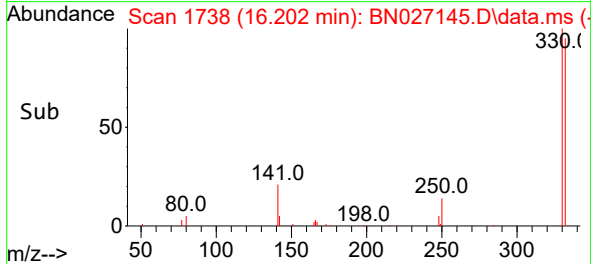


#14
2,4,6-Tribromophenol
Concen: 0.220 ng
RT: 16.202 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

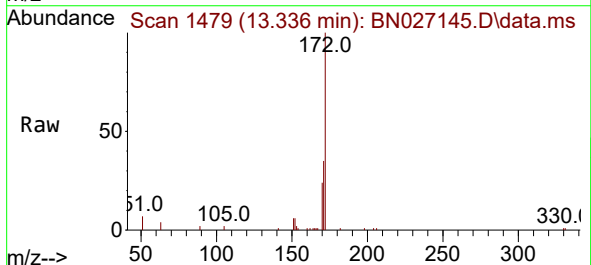
Instrument :
BNA_N
ClientSampleId :
TT149S1-20230815



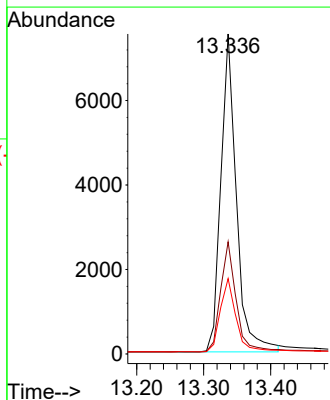
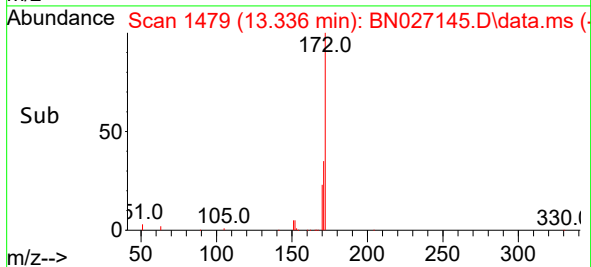
Tgt Ion:330 Resp: 1180
Ion Ratio Lower Upper
330 100
332 95.8 76.6 114.8
141 43.2 32.3 48.5

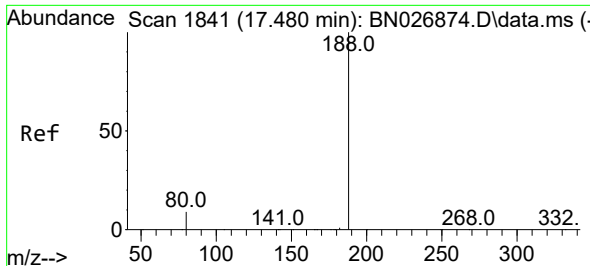


#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 13.336 min Scan# 1479
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39



Tgt Ion:172 Resp: 12179
Ion Ratio Lower Upper
172 100
171 35.1 27.4 41.0
170 23.5 18.0 27.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.455 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

Instrument :

BNA_N

ClientSampleId :

TT149S1-20230815

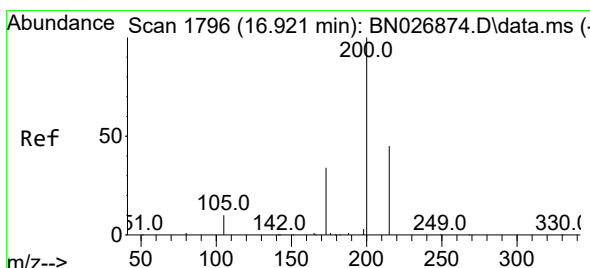
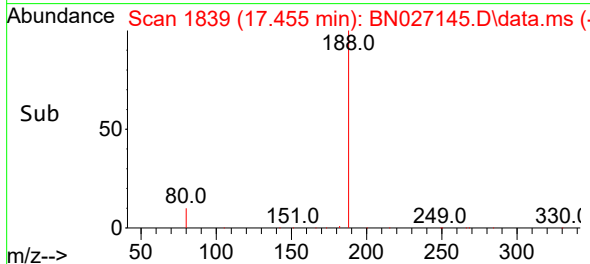
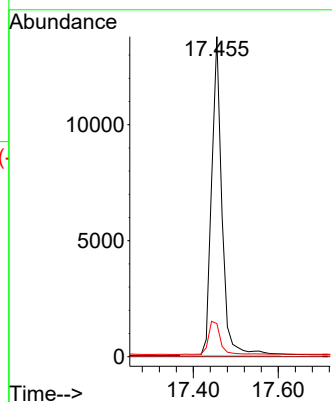
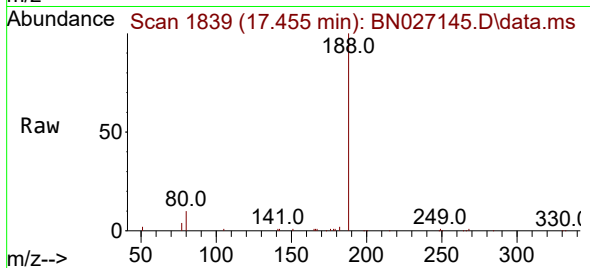
Tgt Ion:188 Resp: 23101

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.3 7.4 11.2



#20

4,6-Dinitro-2-methylphenol

Concen: 0.044 ng

RT: 16.860 min Scan# 1791

Delta R.T. -0.049 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

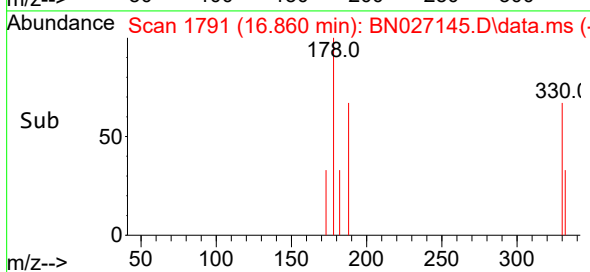
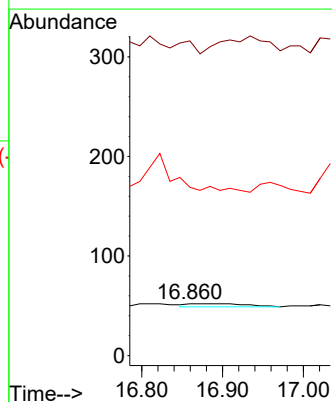
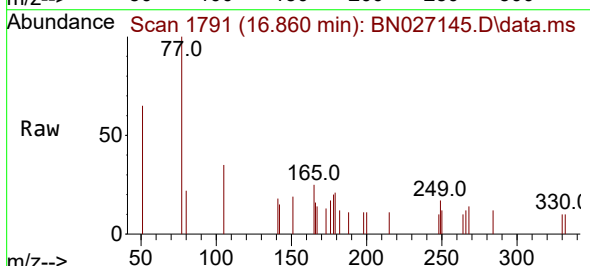
Tgt Ion:198 Resp: 16

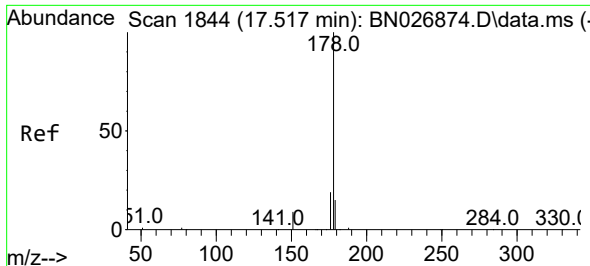
Ion Ratio Lower Upper

198 100

51 607.7 143.8 215.8#

105 325.0 273.5 410.3

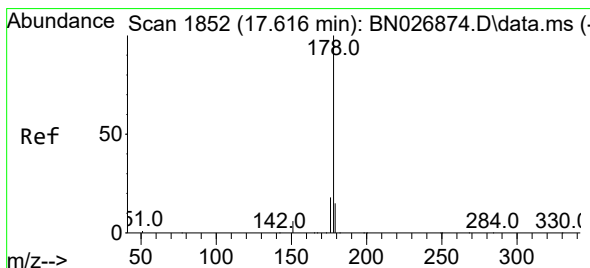
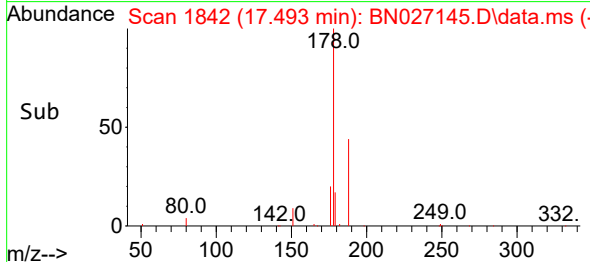
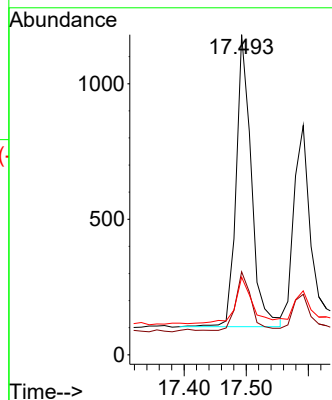
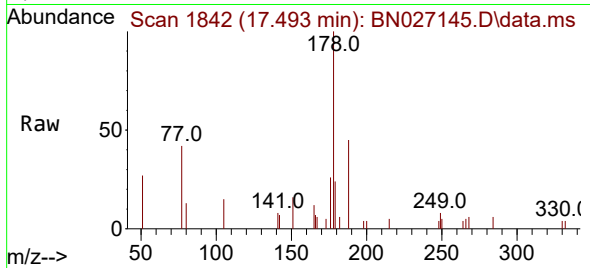




#25
Phenanthrene
Concen: 0.028 ng
RT: 17.493 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

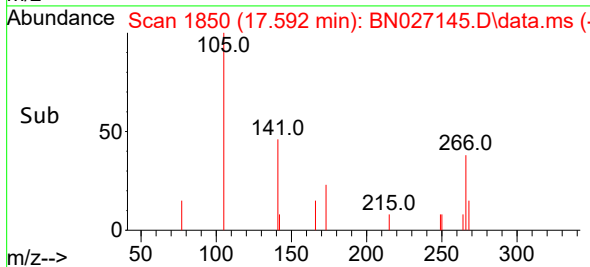
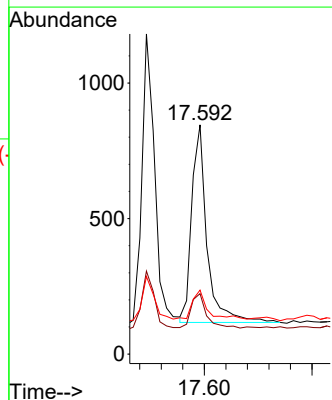
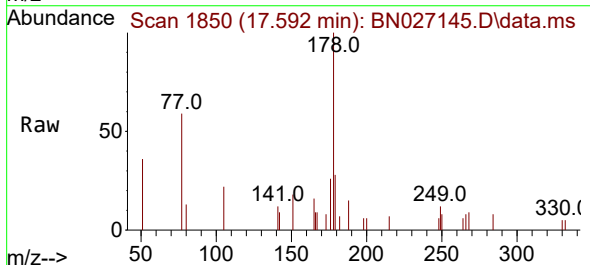
Instrument :
BNA_N
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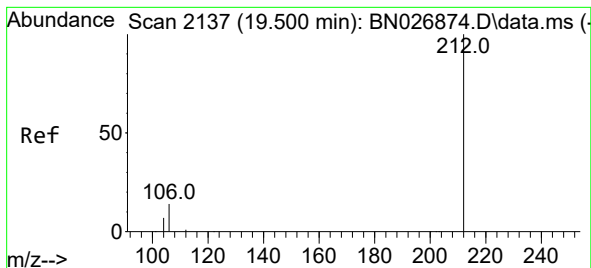
Tgt Ion:178 Resp: 1831
Ion Ratio Lower Upper
178 100
176 20.0 15.3 22.9
179 17.5 12.2 18.4



#26
Anthracene
Concen: 0.023 ng
RT: 17.592 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

Tgt Ion:178 Resp: 1436
Ion Ratio Lower Upper
178 100
176 17.3 14.8 22.2
179 15.2 12.1 18.1





#27

Fluoranthene-d10

Concen: 0.385 ng

RT: 19.477 min Scan# 2132

Delta R.T. 0.000 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

Instrument :

BNA_N

ClientSampleId :

TT149S1-20230815

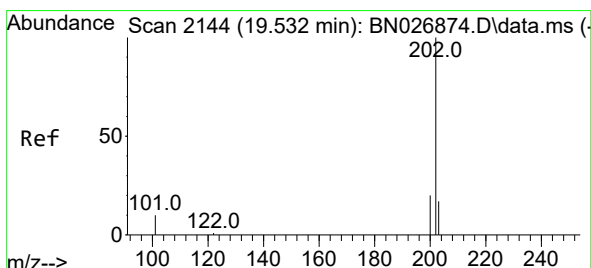
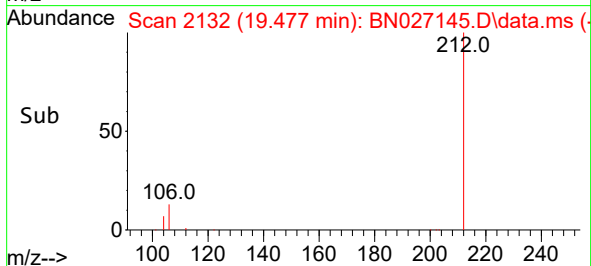
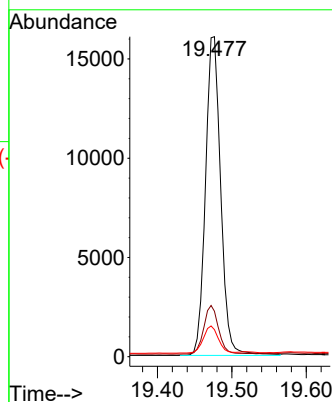
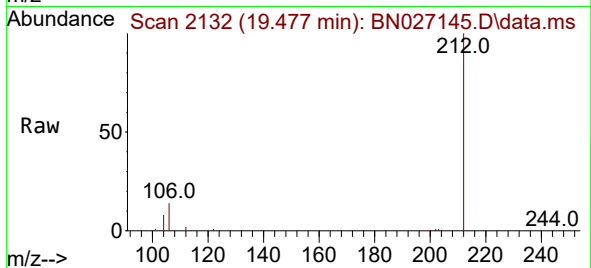
Tgt Ion:212 Resp: 22783

Ion Ratio Lower Upper

212 100

106 15.0 10.9 16.3

104 8.5 5.9 8.9



#28

Fluoranthene

Concen: 0.039 ng

RT: 19.505 min Scan# 2138

Delta R.T. -0.004 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

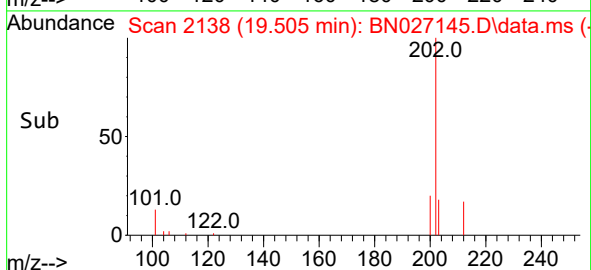
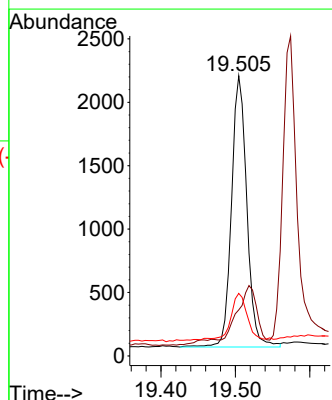
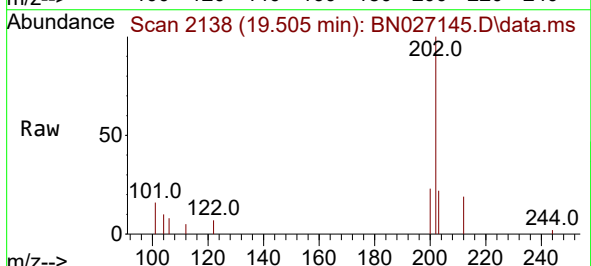
Tgt Ion:202 Resp: 3061

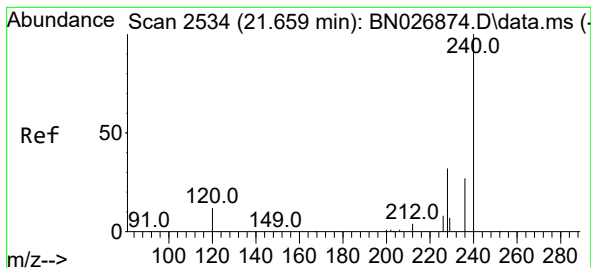
Ion Ratio Lower Upper

202 100

101 26.7 8.9 13.3#

203 19.3 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.632 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

Instrument :

BNA_N

ClientSampleId :

TT149S1-20230815

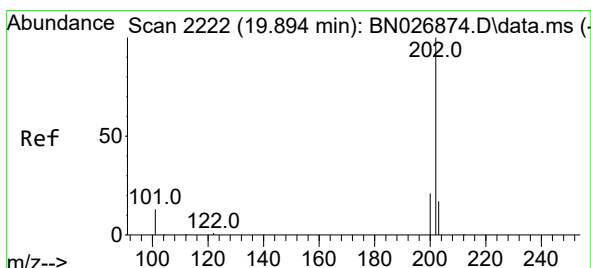
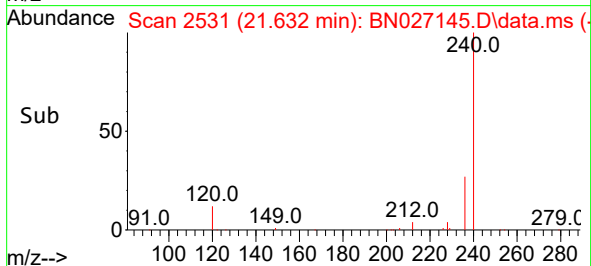
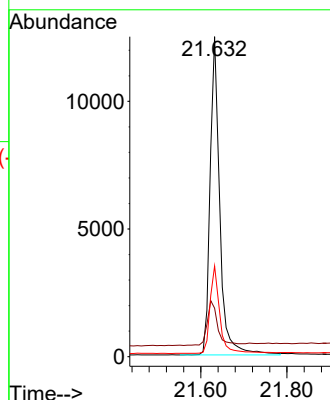
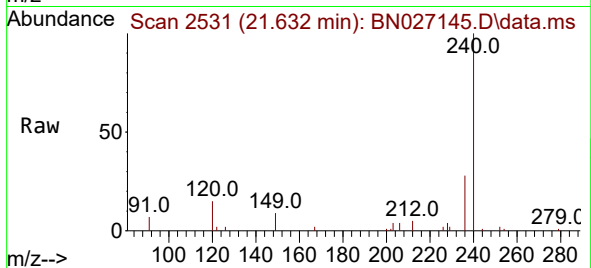
Tgt Ion:240 Resp: 19596

Ion Ratio Lower Upper

240 100

120 15.2 11.1 16.7

236 28.3 22.2 33.2



#30

Pyrene

Concen: 0.043 ng

RT: 19.872 min Scan# 2217

Delta R.T. 0.000 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

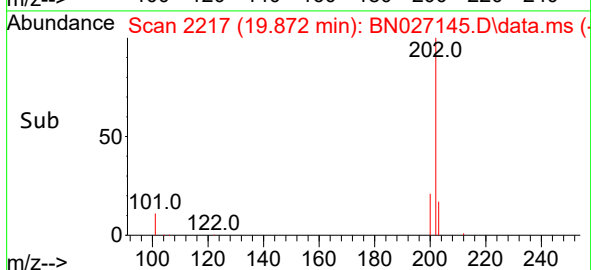
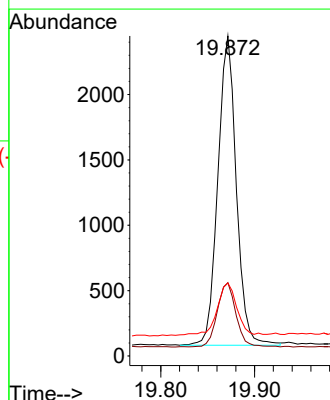
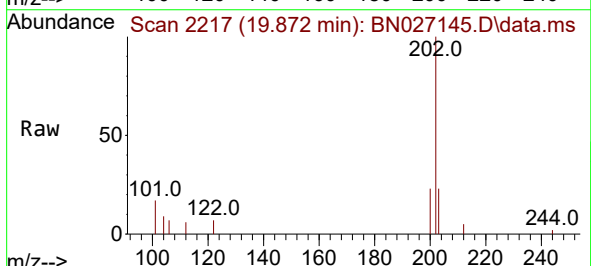
Tgt Ion:202 Resp: 3238

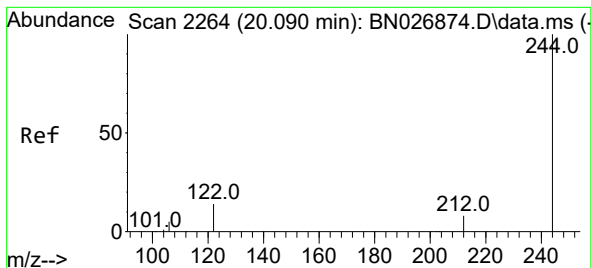
Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

203 18.8 14.4 21.6





#31

Terphenyl-d14

Concen: 0.450 ng

RT: 20.062 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

Instrument :

BNA_N

ClientSampleId :

TT149S1-20230815

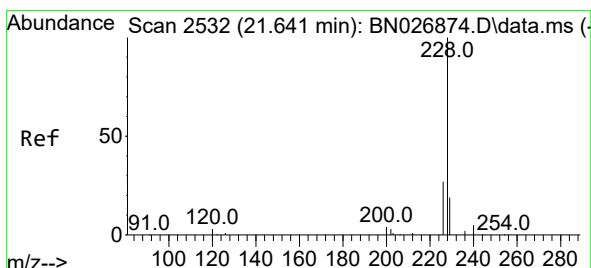
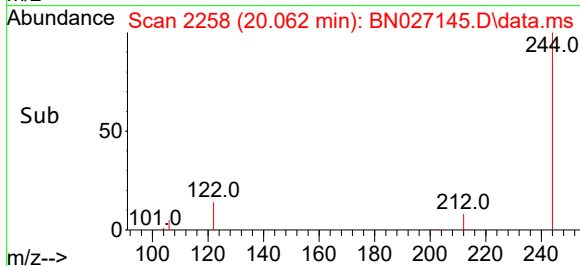
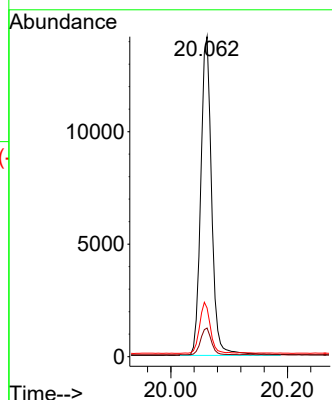
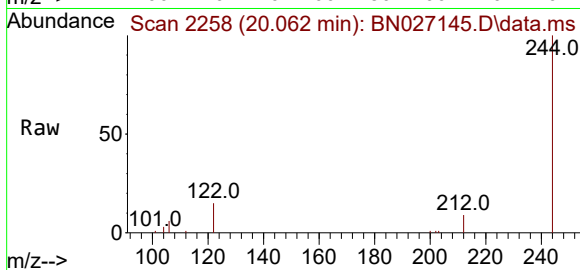
Tgt Ion:244 Resp: 18443

Ion Ratio Lower Upper

244 100

212 8.9 6.9 10.3

122 15.2 11.9 17.9



#32

Benzo(a)anthracene

Concen: 0.042 ng

RT: 21.668 min Scan# 2535

Delta R.T. 0.054 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

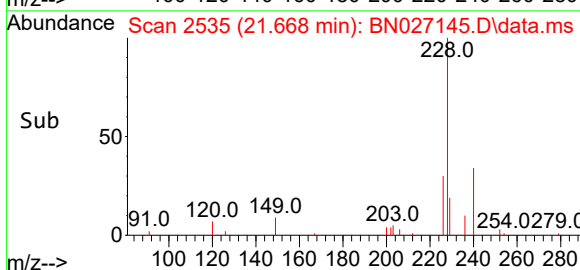
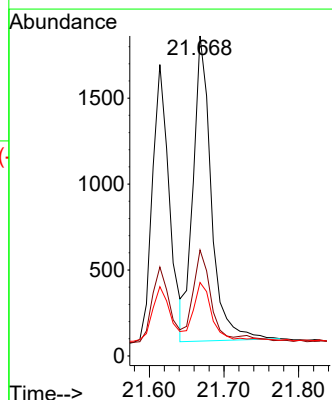
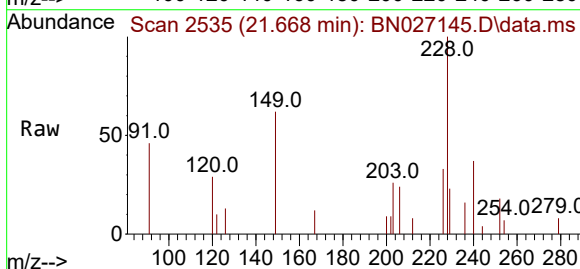
Tgt Ion:228 Resp: 3006

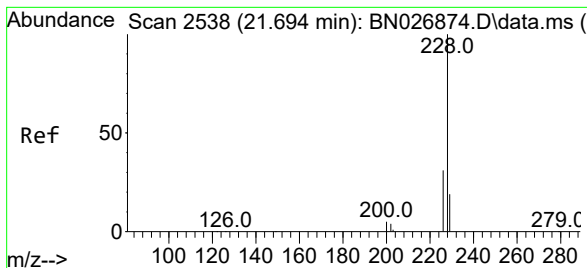
Ion Ratio Lower Upper

228 100

226 33.1 22.1 33.1

229 22.9 15.5 23.3





#33

Chrysene

Concen: 0.041 ng

RT: 21.668 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

Instrument :

BNA_N

ClientSampleId :

TT149S1-20230815

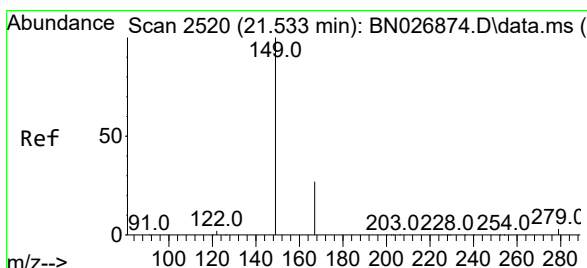
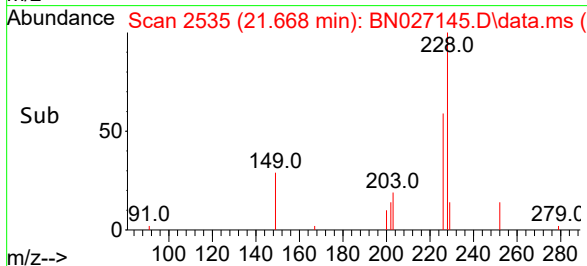
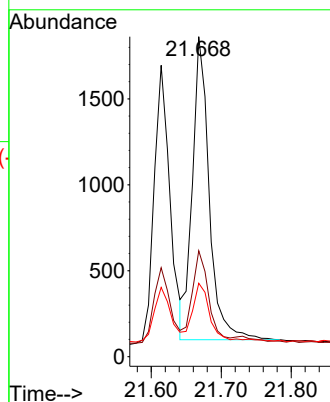
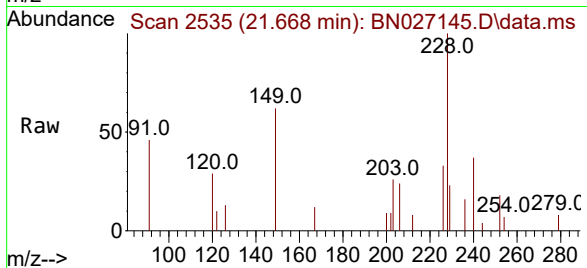
Tgt Ion:228 Resp: 2946

Ion Ratio Lower Upper

228 100

226 33.1 24.6 37.0

229 22.9 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.089 ng

RT: 21.489 min Scan# 2515

Delta R.T. -0.009 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

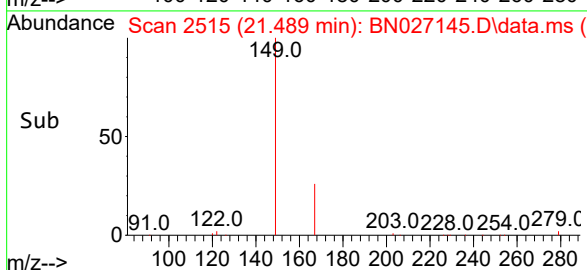
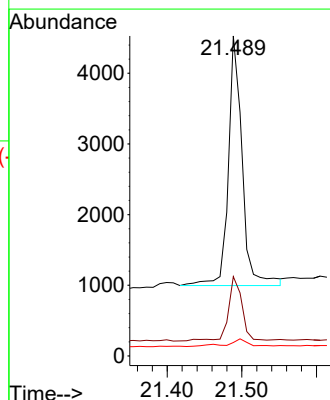
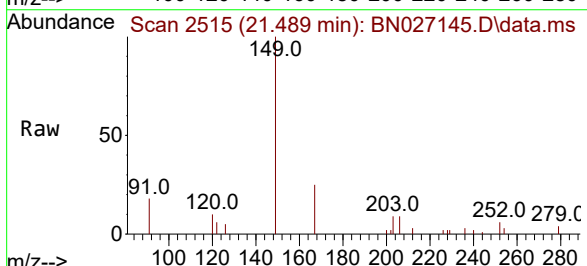
Tgt Ion:149 Resp: 4554

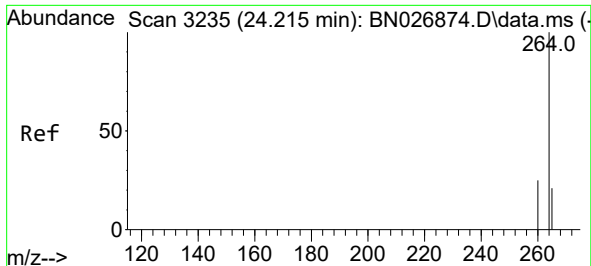
Ion Ratio Lower Upper

149 100

167 25.5 21.4 32.0

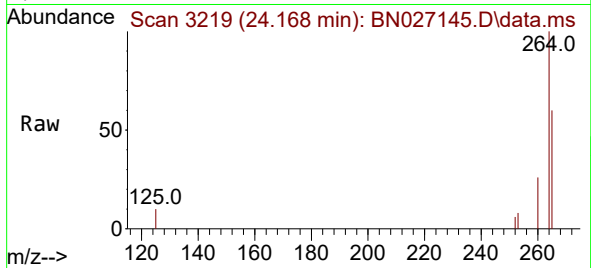
279 2.6 3.6 5.4#



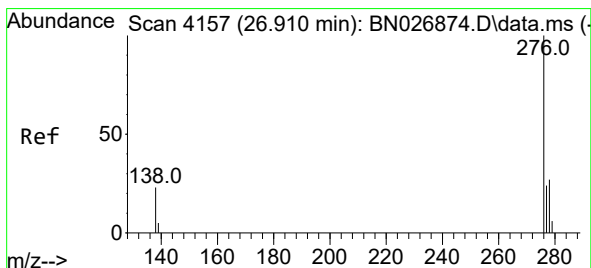
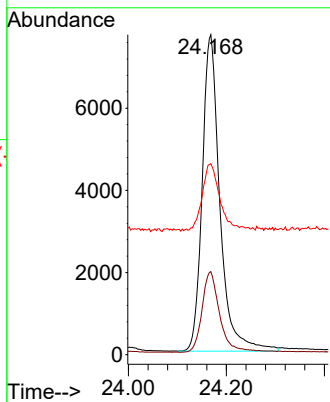
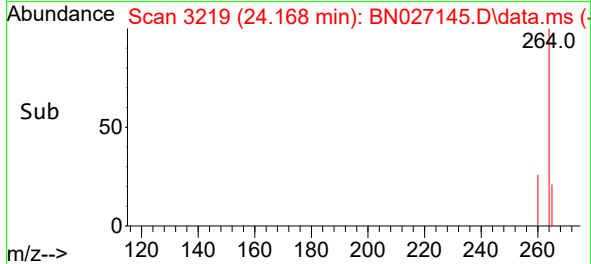


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.168 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

Instrument :
BNA_N
ClientSampleId :
TT149S1-20230815

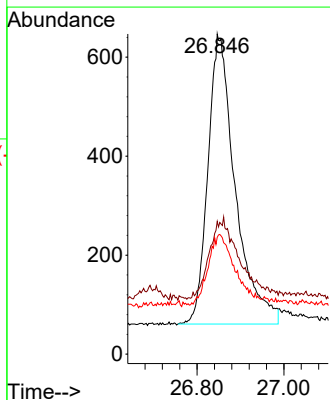
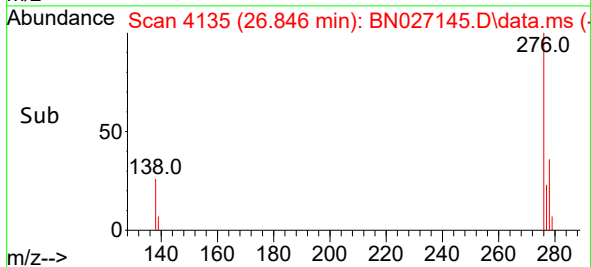
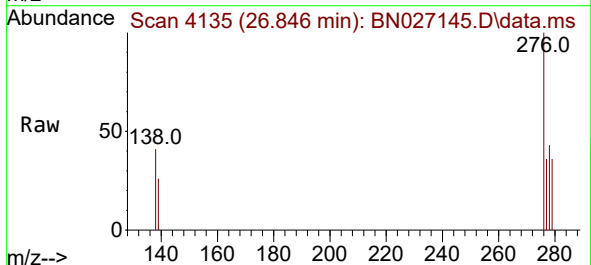


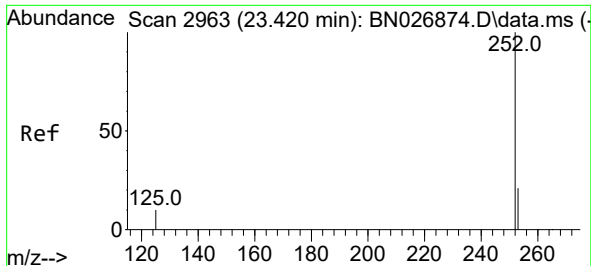
Tgt Ion:264 Resp: 19247
Ion Ratio Lower Upper
264 100
260 26.0 20.4 30.6
265 59.7 27.0 40.6#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.032 ng
RT: 26.846 min Scan# 4135
Delta R.T. -0.006 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

Tgt Ion:276 Resp: 2558
Ion Ratio Lower Upper
276 100
138 28.7 21.1 31.7
277 23.7 19.9 29.9

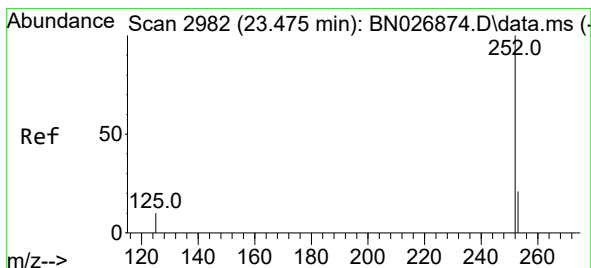
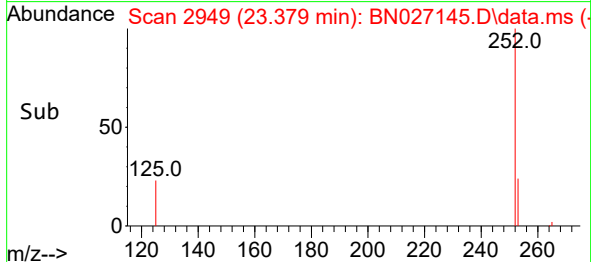
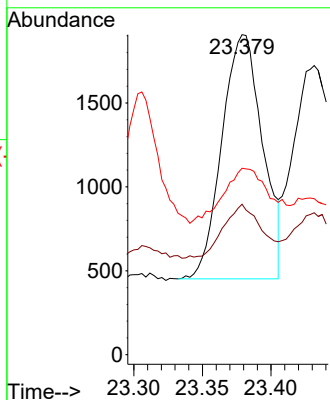
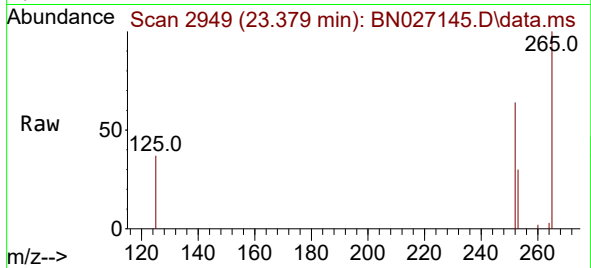




#37
Benzo(b)fluoranthene
Concen: 0.047 ng
RT: 23.379 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

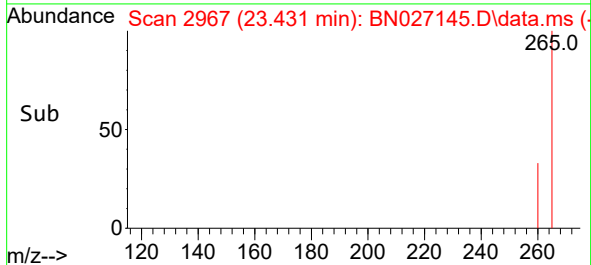
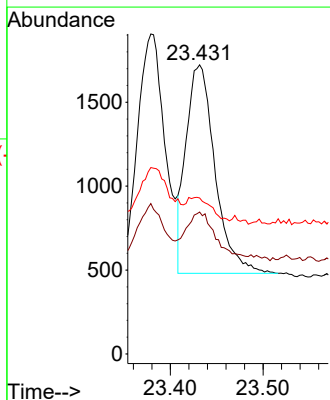
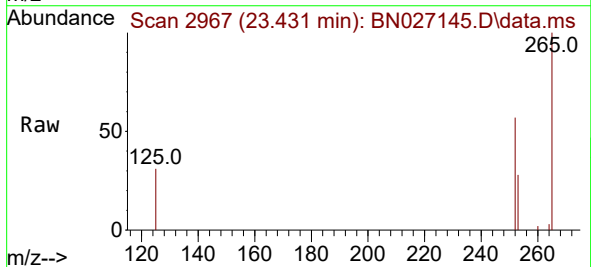
Instrument :
BNA_N
ClientSampleId :
TT149S1-20230815

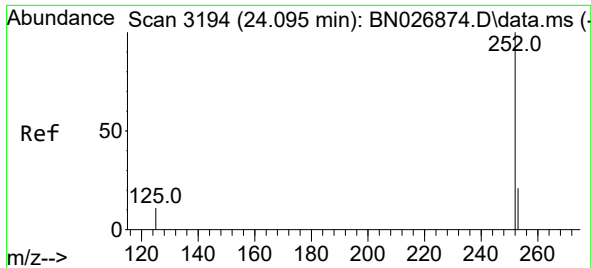
Tgt Ion:252 Resp: 3009
Ion Ratio Lower Upper
252 100
253 47.0 18.4 27.6#
125 58.3 10.2 15.2#



#38
Benzo(k)fluoranthene
Concen: 0.041 ng
RT: 23.431 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

Tgt Ion:252 Resp: 2701
Ion Ratio Lower Upper
252 100
253 49.1 18.4 27.6#
125 54.0 10.2 15.2#





#39

Benzo(a)pyrene

Concen: 0.033 ng

RT: 24.054 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN027145.D

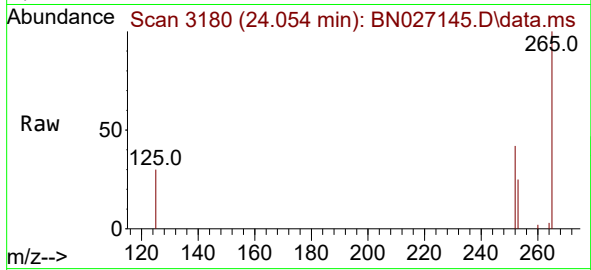
Acq: 26 Aug 2023 08:39

Instrument :

BN027145.D

ClientSampleId :

TT149S1-20230815



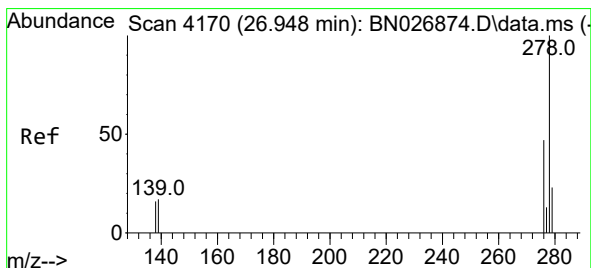
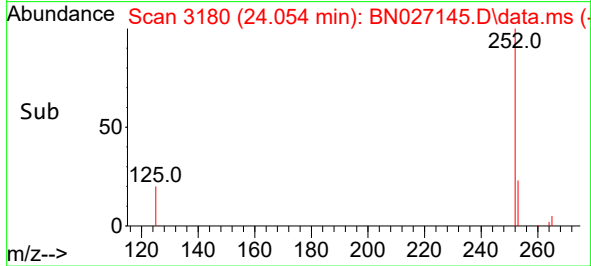
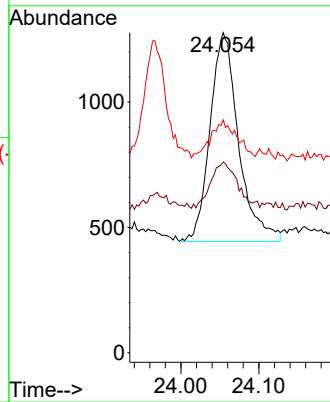
Tgt Ion:252 Resp: 2118

Ion Ratio Lower Upper

252 100

253 59.6 18.6 28.0#

125 72.7 11.7 17.5#



#40

Dibenzo(a,h)anthracene

Concen: 0.031 ng

RT: 26.878 min Scan# 4146

Delta R.T. -0.003 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

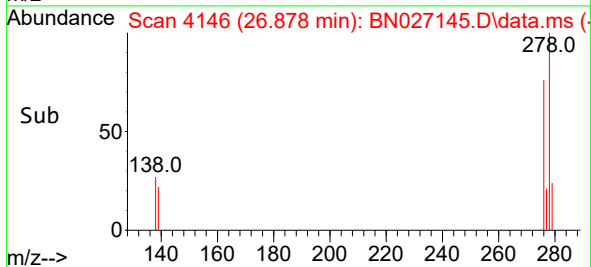
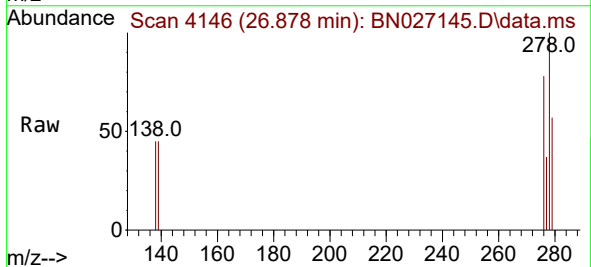
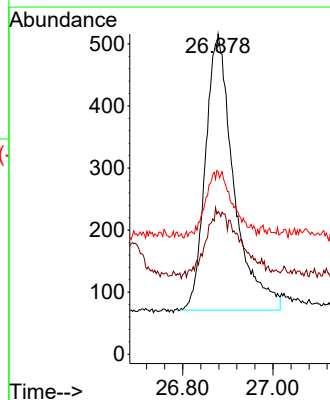
Tgt Ion:278 Resp: 1940

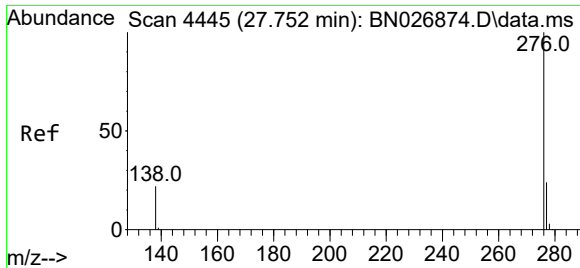
Ion Ratio Lower Upper

278 100

139 44.6 15.3 22.9#

279 57.0 19.9 29.9#





#41

Benzo(g,h,i)perylene

Concen: 0.036 ng

RT: 27.680 min Scan# 44

Delta R.T. -0.009 min

Lab File: BN027145.D

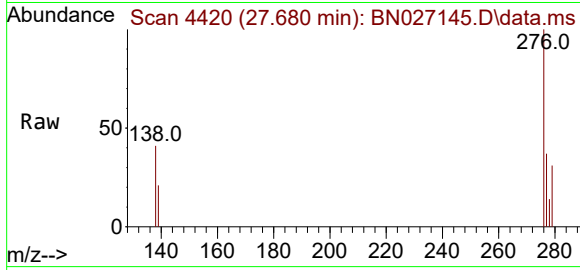
Acq: 26 Aug 2023 08:39

Instrument :

BNA_N

ClientSampleId :

TT149S1-20230815



Tgt Ion:276 Resp: 2423

Ion Ratio Lower Upper

276 100

277 36.7 19.8 29.8#

138 41.2 19.0 28.4#

