

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081123\
 Data File : BN026884.D
 Acq On : 10 Aug 2023 15:31
 Operator : MA/JU
 Sample : PB154655BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 11 02:12:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 01:57:19 2023
 Response via : Initial Calibration

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

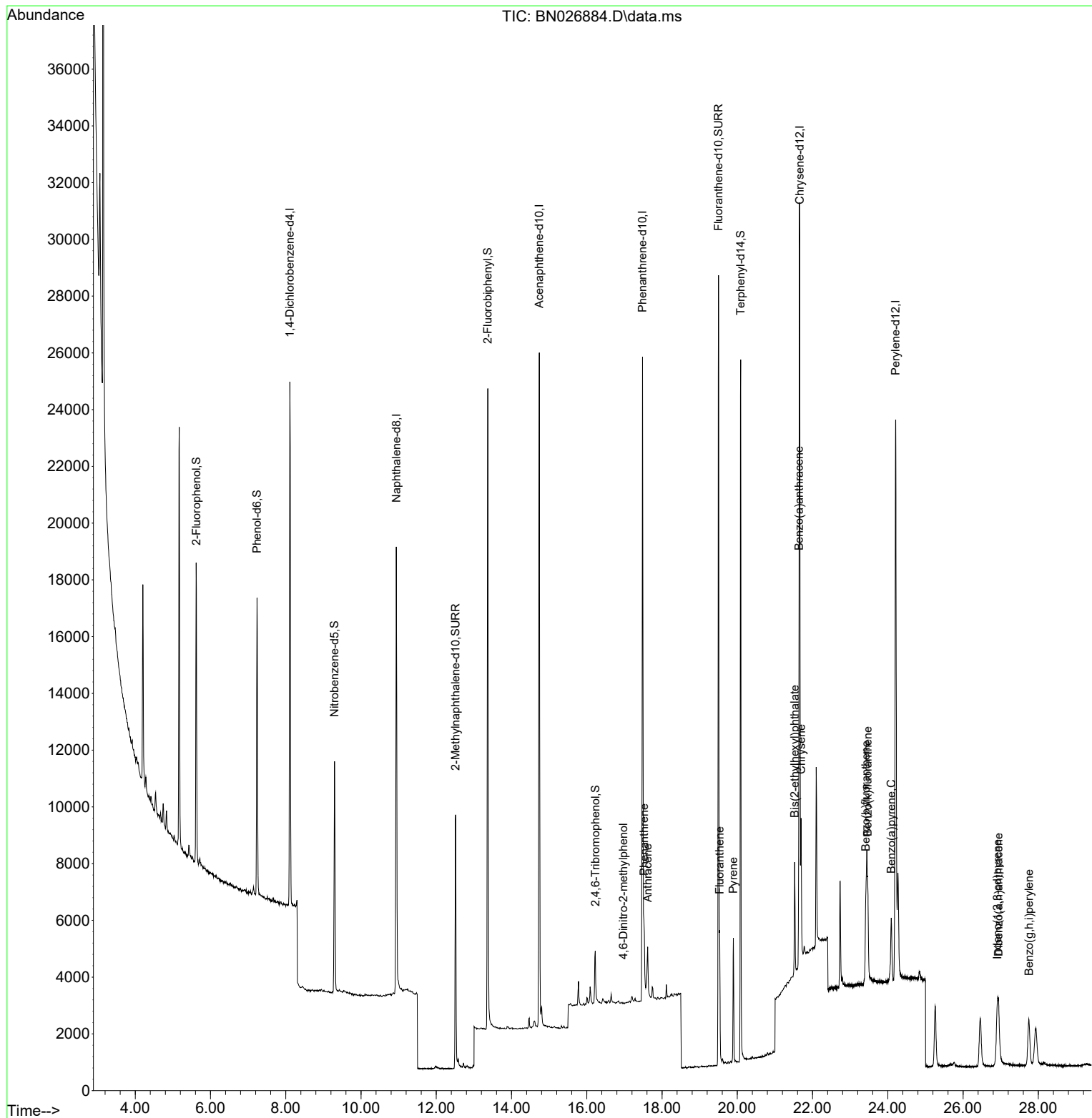
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.109	152	9115	0.400	ng	0.00
7) Naphthalene-d8	10.938	136	21245	0.400	ng	0.00
13) Acenaphthene-d10	14.737	164	13949	0.400	ng	0.00
19) Phenanthrene-d10	17.480	188	33276	0.400	ng	0.00
29) Chrysene-d12	21.659	240	28633	0.400	ng	# 0.00
35) Perylene-d12	24.209	264	31732	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.625	112	8873	0.345	ng	0.00
5) Phenol-d6	7.236	99	10556	0.333	ng	0.00
8) Nitrobenzene-d5	9.294	82	6746	0.376	ng	0.00
11) 2-Methylnaphthalene-d10	12.513	152	12977	0.384	ng	0.00
14) 2,4,6-Tribromophenol	16.226	330	1343	0.181	ng	0.00
15) 2-Fluorobiphenyl	13.368	172	20047	0.387	ng	0.00
27) Fluoranthene-d10	19.500	212	32641	0.382	ng	0.00
31) Terphenyl-d14	20.090	244	25015	0.418	ng	0.00
Target Compounds						
						Qvalue
20) 4,6-Dinitro-2-methylph...	16.971	198	18	0.034	ng	# 37
25) Phenanthrene	17.517	178	2486	0.026	ng	96
26) Anthracene	17.617	178	2215	0.025	ng	99
28) Fluoranthene	19.532	202	3780	0.033	ng	97
30) Pyrene	19.895	202	3924	0.036	ng	99
32) Benzo(a)anthracene	21.641	228	3986	0.039	ng	95
33) Chrysene	21.695	228	4133	0.040	ng	97
34) Bis(2-ethylhexyl)phtha...	21.524	149	3649	0.049	ng	# 65
36) Indeno(1,2,3-cd)pyrene	26.908	276	5007	0.039	ng	# 86
37) Benzo(b)fluoranthene	23.414	252	4559	0.043	ng	# 58
38) Benzo(k)fluoranthene	23.467	252	4399	0.040	ng	# 60
39) Benzo(a)pyrene	24.092	252	3872	0.036	ng	# 53
40) Dibenzo(a,h)anthracene	26.943	278	3934	0.038	ng	# 71
41) Benzo(g,h,i)perylene	27.750	276	4177	0.038	ng	# 81

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

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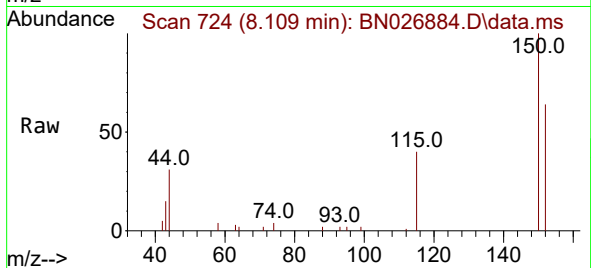
Quant Time: Aug 11 02:12:50 2023
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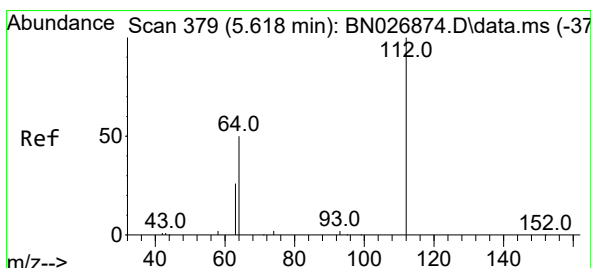
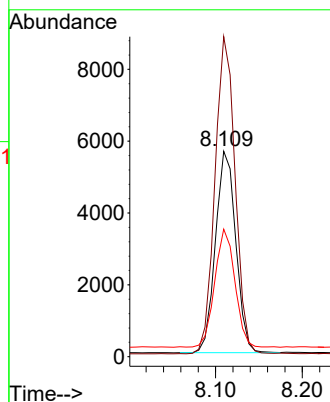
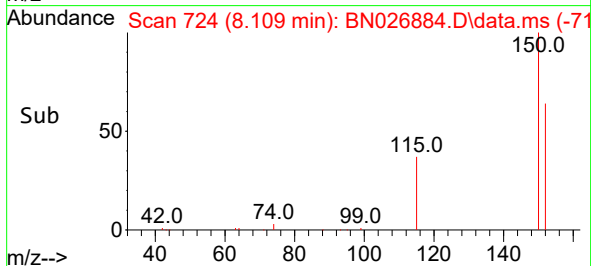


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.109 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

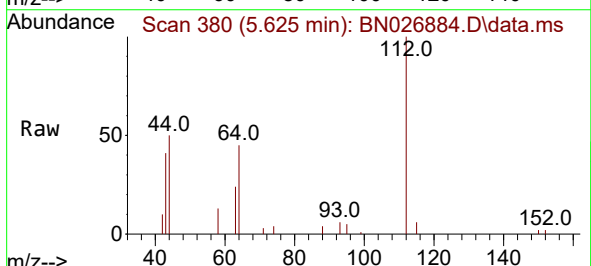
Instrument :
BNA_N
ClientSampleId :



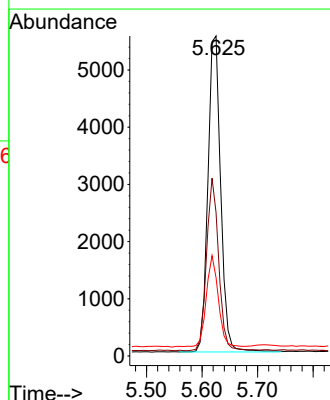
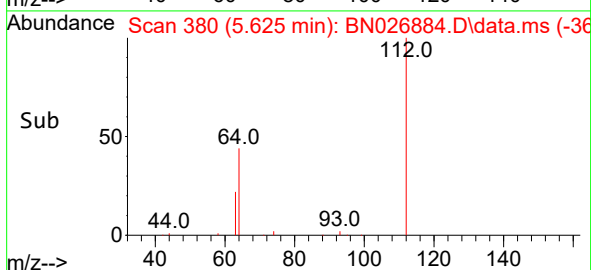
Tgt Ion:152 Resp: 9115
Ion Ratio Lower Upper
152 100
150 155.7 123.8 185.6
115 62.1 49.7 74.5

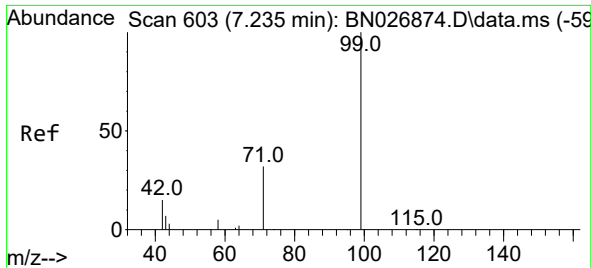


#4
2-Fluorophenol
Concen: 0.345 ng
RT: 5.625 min Scan# 380
Delta R.T. 0.007 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31



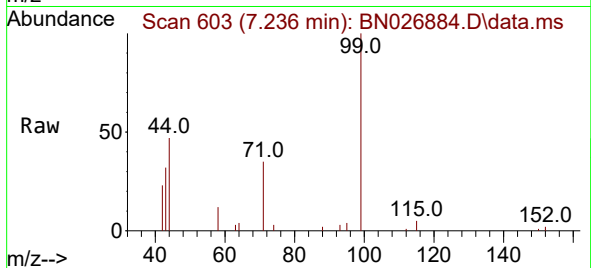
Tgt Ion:112 Resp: 8873
Ion Ratio Lower Upper
112 100
64 51.7 41.5 62.3
63 26.7 21.7 32.5



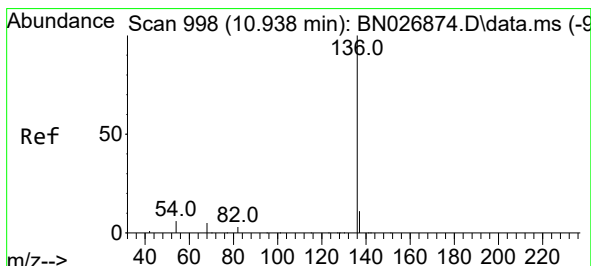
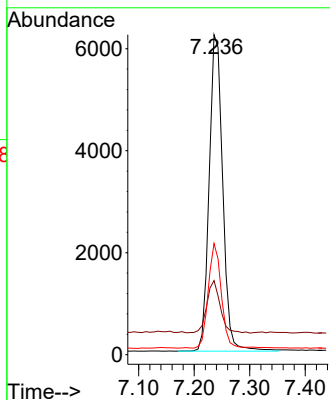
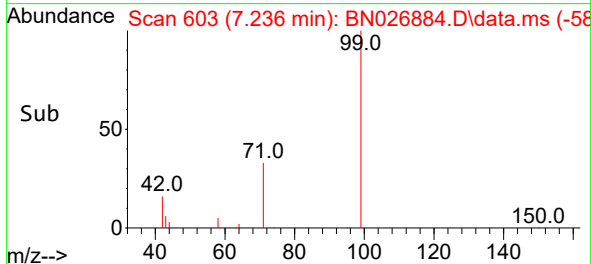


#5
Phenol-d6
Concen: 0.333 ng
RT: 7.236 min Scan# 603
Delta R.T. 0.000 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

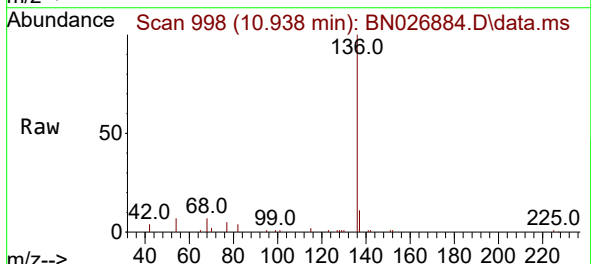
Instrument :
BNA_N
ClientSampleId :



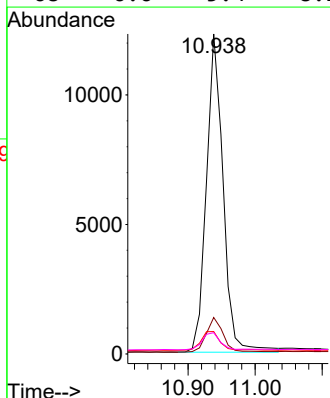
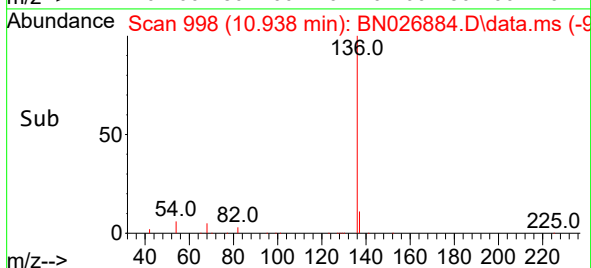
Tgt Ion:	99	Resp:	10556
Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.6	20.4
71	32.0	26.0	39.0

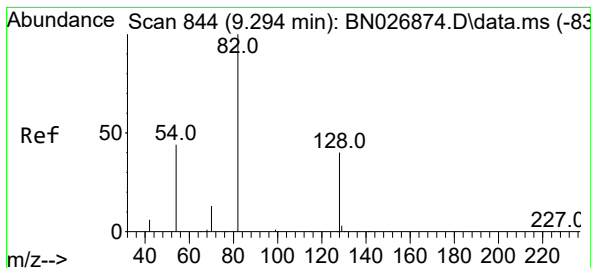


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. 0.000 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31



Tgt Ion:	136	Resp:	21245
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	7.0	5.5	8.3
68	6.6	5.4	8.2





#8

Nitrobenzene-d5

Concen: 0.376 ng

RT: 9.294 min Scan# 844

Delta R.T. 0.000 min

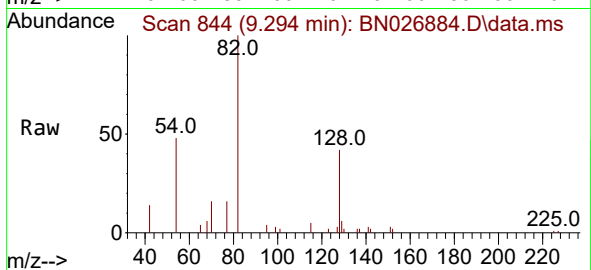
Lab File: BN026884.D

Acq: 10 Aug 2023 15:31

Instrument :

BNA_N

ClientSampleId :



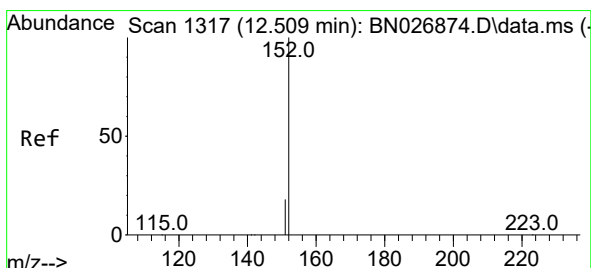
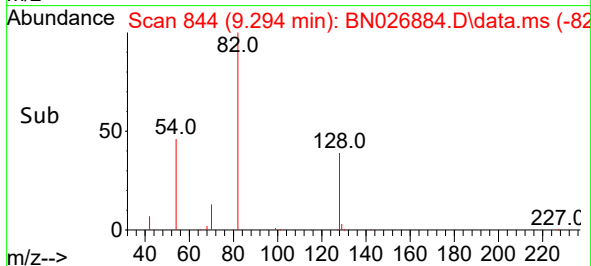
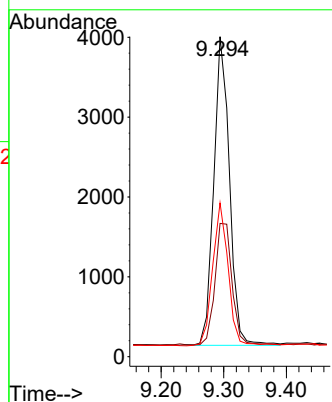
Tgt Ion: 82 Resp: 6746

Ion Ratio Lower Upper

82 100

128 41.7 34.1 51.1

54 48.0 37.0 55.4



#11

2-Methylnaphthalene-d10

Concen: 0.384 ng

RT: 12.513 min Scan# 1318

Delta R.T. 0.004 min

Lab File: BN026884.D

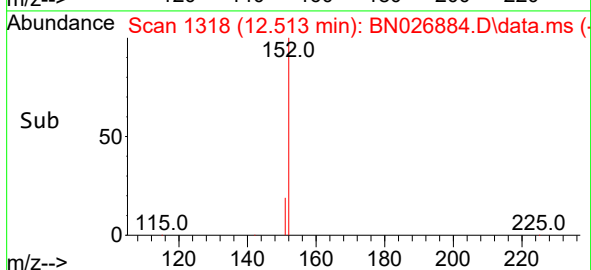
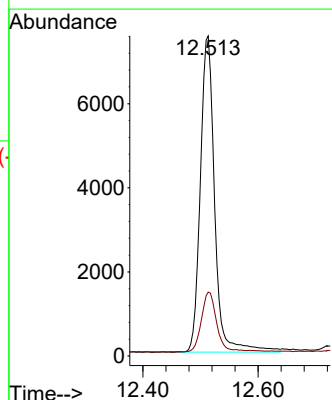
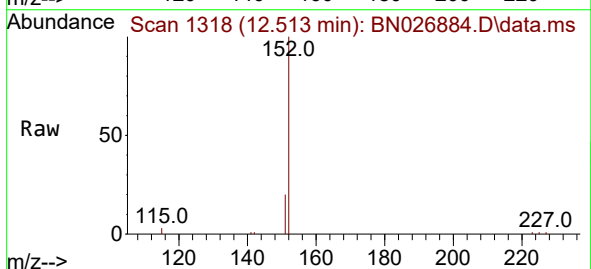
Acq: 10 Aug 2023 15:31

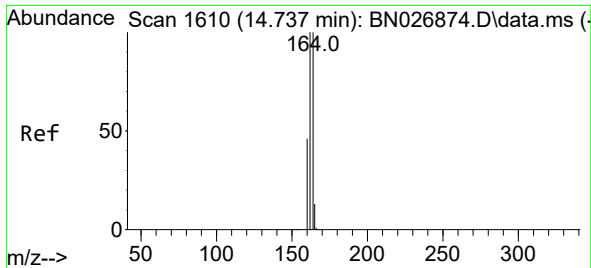
Tgt Ion: 152 Resp: 12977

Ion Ratio Lower Upper

152 100

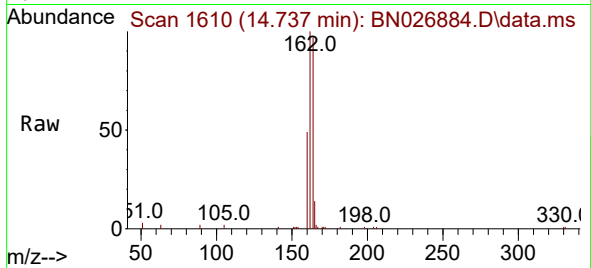
151 19.9 16.3 24.5



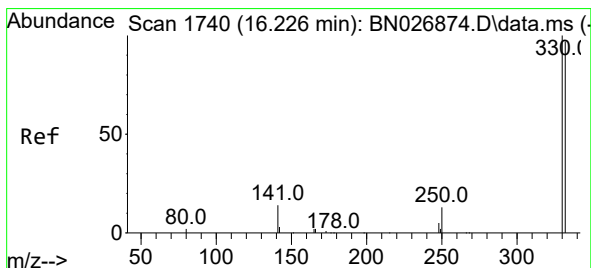
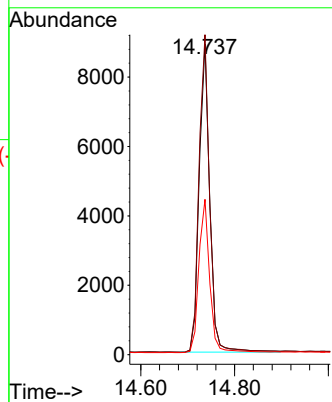
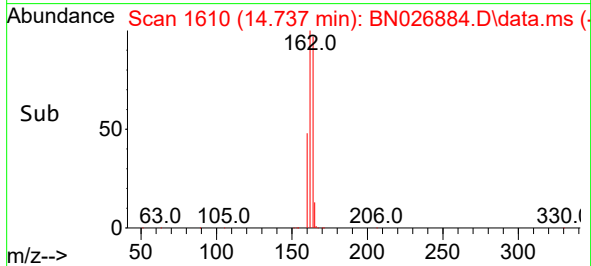


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

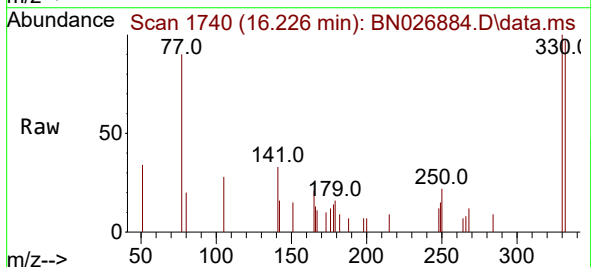
Instrument :
BNA_N
ClientSampleId :



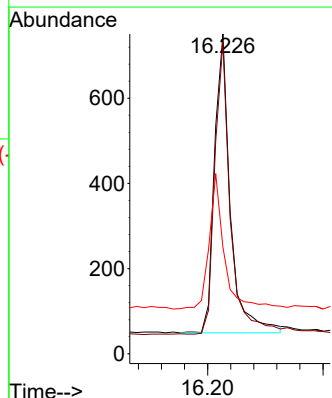
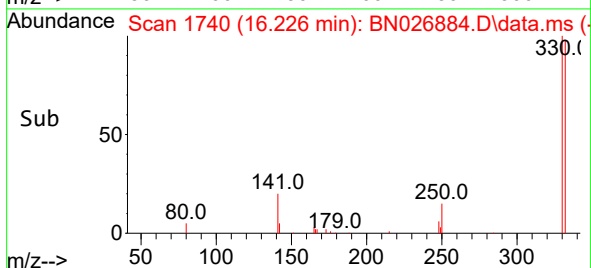
Tgt Ion:164 Resp: 13949
Ion Ratio Lower Upper
164 100
162 103.0 79.7 119.5
160 50.0 37.4 56.0

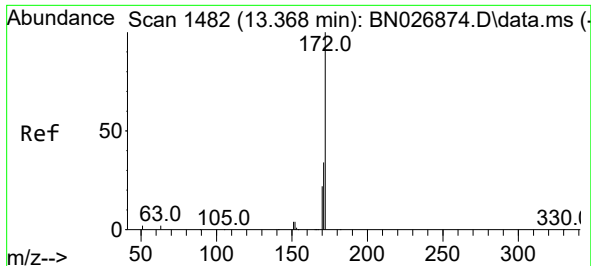


#14
2,4,6-Tribromophenol
Concen: 0.181 ng
RT: 16.226 min Scan# 1740
Delta R.T. 0.000 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31



Tgt Ion:330 Resp: 1343
Ion Ratio Lower Upper
330 100
332 95.6 76.6 114.8
141 42.1 32.3 48.5

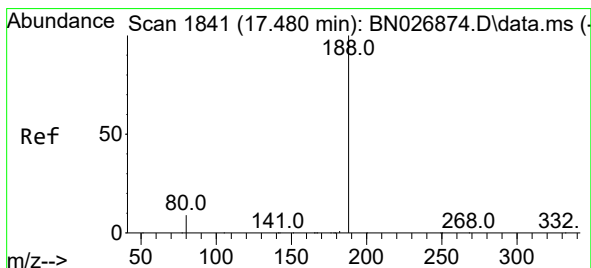
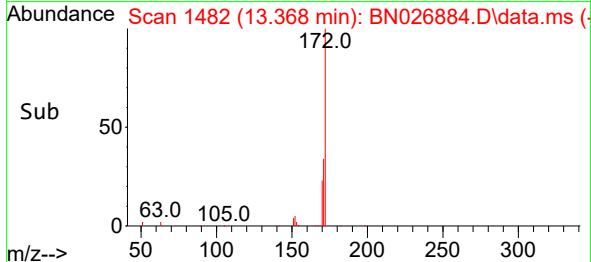
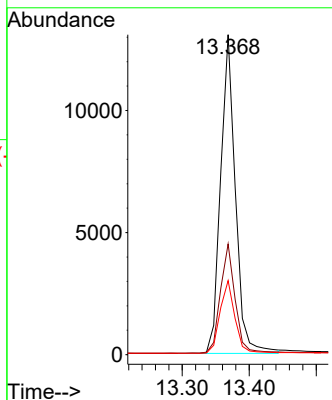
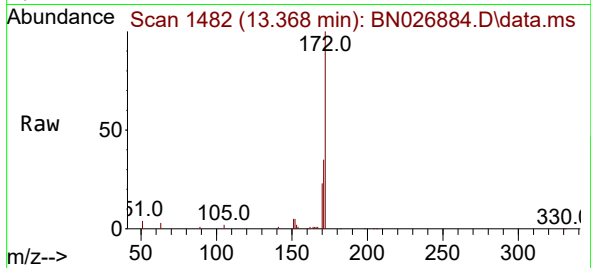




#15
2-Fluorobiphenyl
Concen: 0.387 ng
RT: 13.368 min Scan# 1482
Delta R.T. 0.000 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

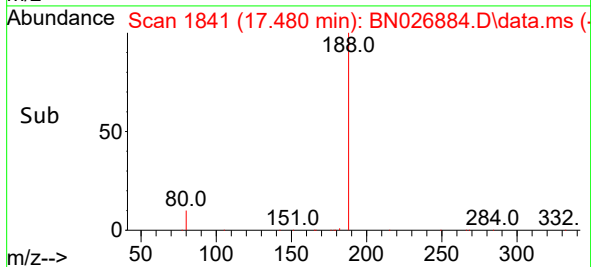
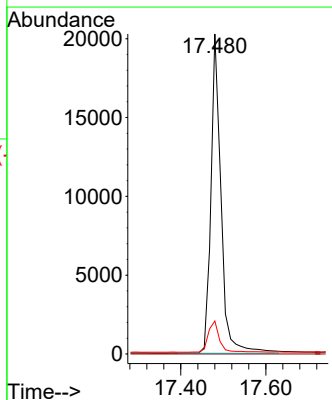
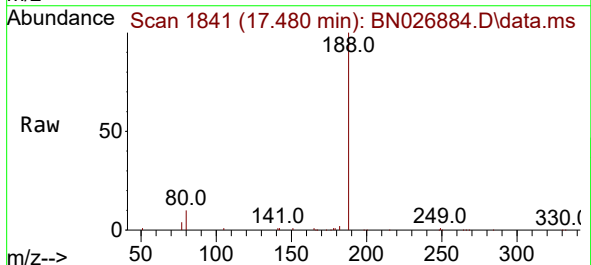
Instrument :
BNA_N
ClientSampleId :

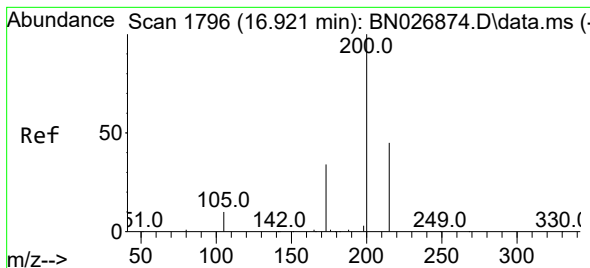
Tgt Ion:172 Resp: 20047
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.0
170 23.2 18.0 27.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1841
Delta R.T. 0.000 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

Tgt Ion:188 Resp: 33276
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.3 7.4 11.2

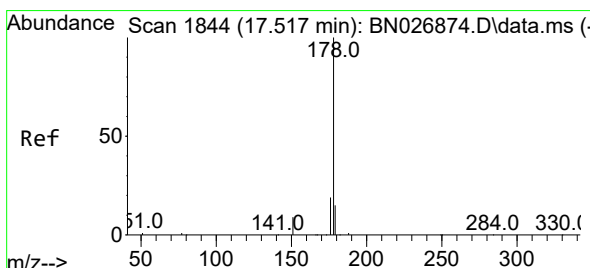
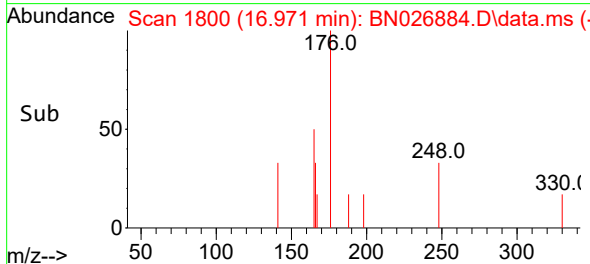
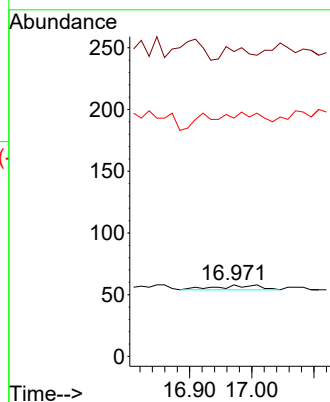
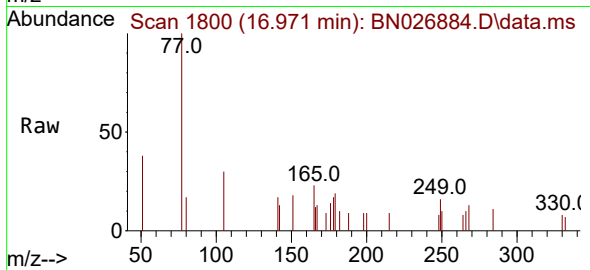




#20
4,6-Dinitro-2-methylphenol
Concen: 0.034 ng
RT: 16.971 min Scan# 18
Delta R.T. 0.050 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

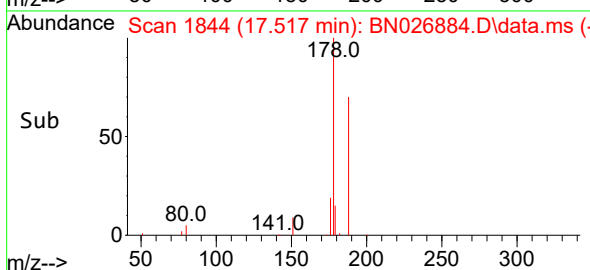
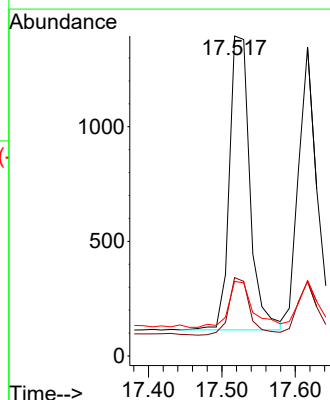
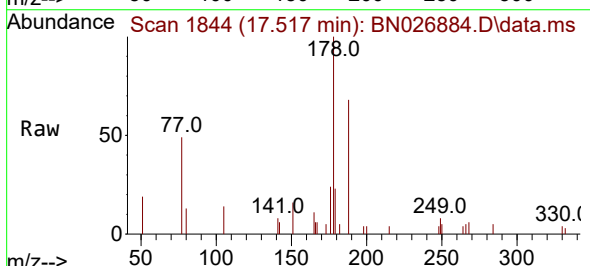
Instrument :
BNA_N
ClientSampleId :

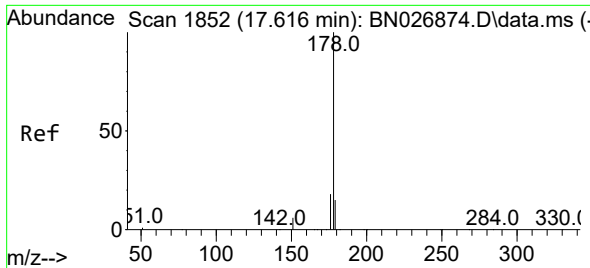
Tgt Ion:198 Resp: 18
Ion Ratio Lower Upper
198 100
51 425.9 143.8 215.8#
105 332.8 273.5 410.3



#25
Phenanthrene
Concen: 0.026 ng
RT: 17.517 min Scan# 1844
Delta R.T. 0.000 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

Tgt Ion:178 Resp: 2486
Ion Ratio Lower Upper
178 100
176 20.0 15.3 22.9
179 18.3 12.2 18.4

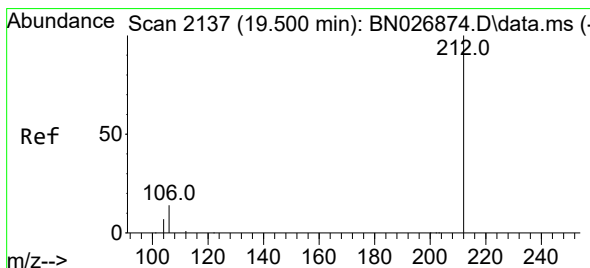
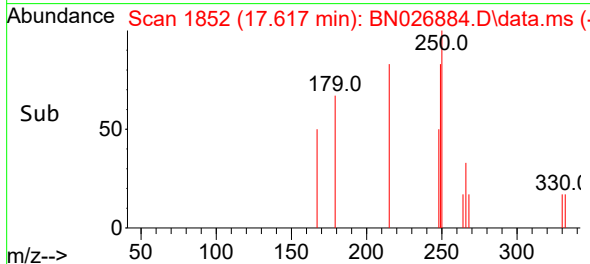
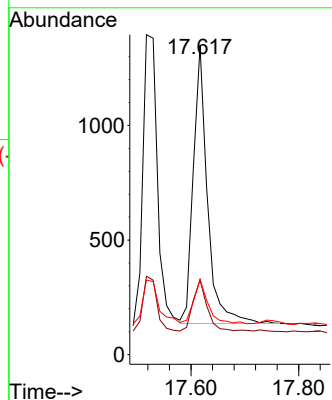
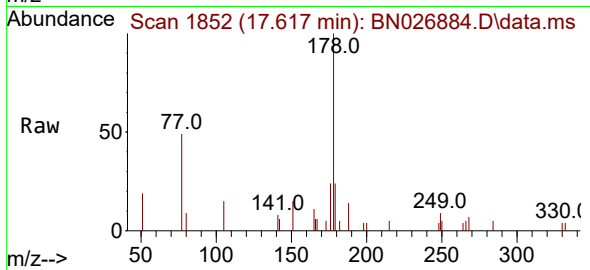




#26
 Anthracene
 Concen: 0.025 ng
 RT: 17.617 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BN026884.D
 Acq: 10 Aug 2023 15:31

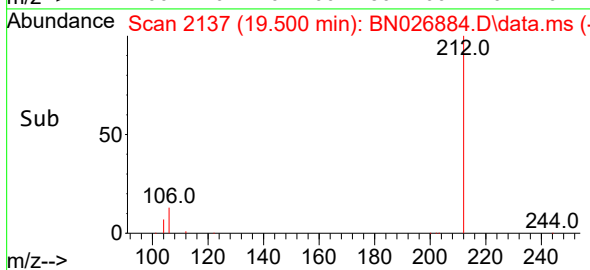
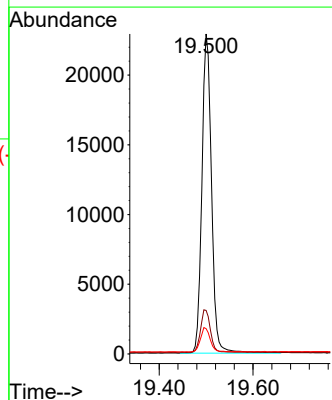
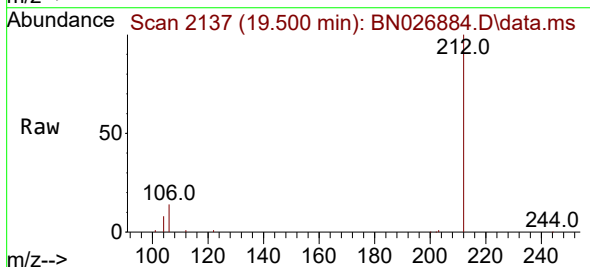
Instrument :
 BNA_N
 ClientSampleId :

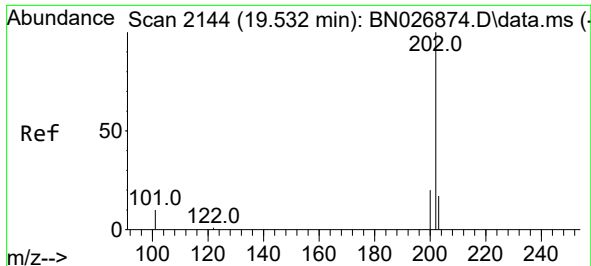
Tgt Ion:178 Resp: 2215
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.8 22.2
 179 16.1 12.1 18.1



#27
 Fluoranthene-d10
 Concen: 0.382 ng
 RT: 19.500 min Scan# 2137
 Delta R.T. 0.000 min
 Lab File: BN026884.D
 Acq: 10 Aug 2023 15:31

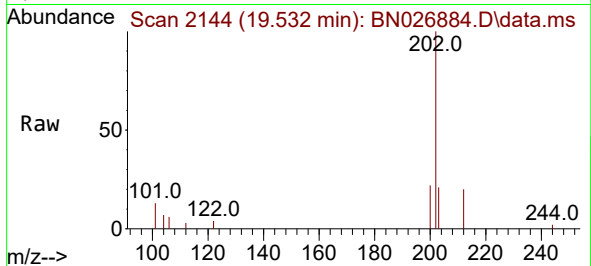
Tgt Ion:212 Resp: 32641
 Ion Ratio Lower Upper
 212 100
 106 13.7 10.9 16.3
 104 7.6 5.9 8.9



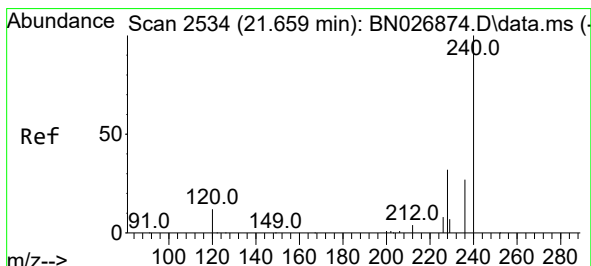
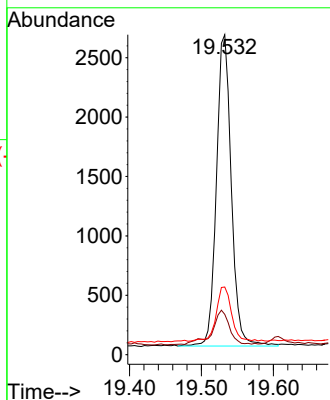
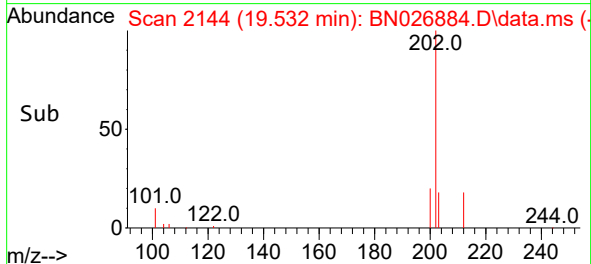


#28
Fluoranthene
Concen: 0.033 ng
RT: 19.532 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

Instrument :
BNA_N
ClientSampleId :

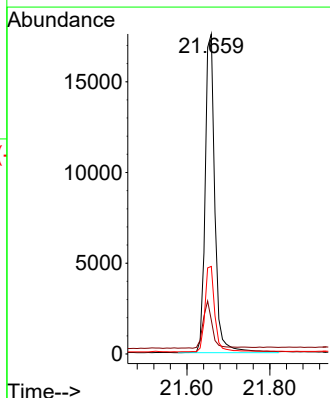
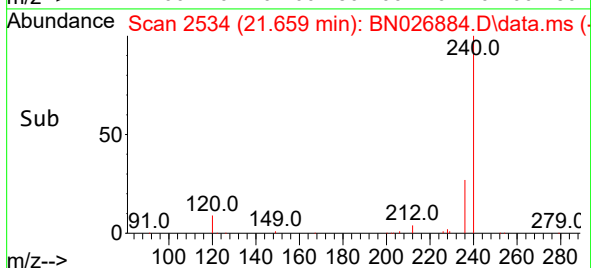
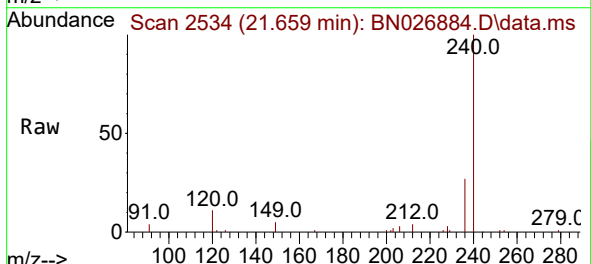


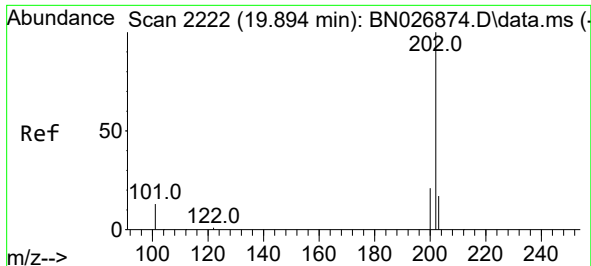
Tgt Ion:202 Resp: 3780
Ion Ratio Lower Upper
202 100
101 12.8 8.9 13.3
203 18.0 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.659 min Scan# 2534
Delta R.T. 0.000 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

Tgt Ion:240 Resp: 28633
Ion Ratio Lower Upper
240 100
120 10.5 11.1 16.7#
236 27.4 22.2 33.2

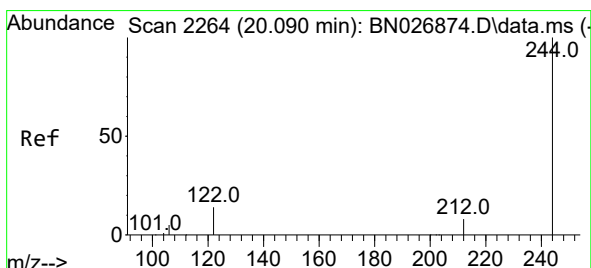
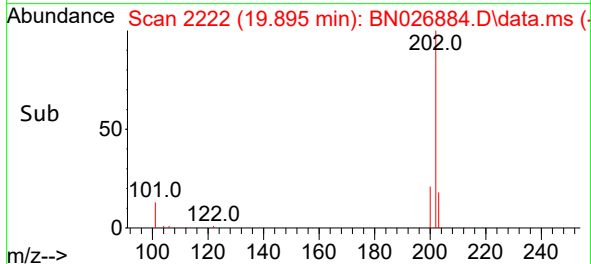
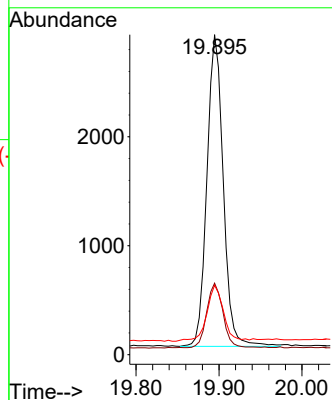
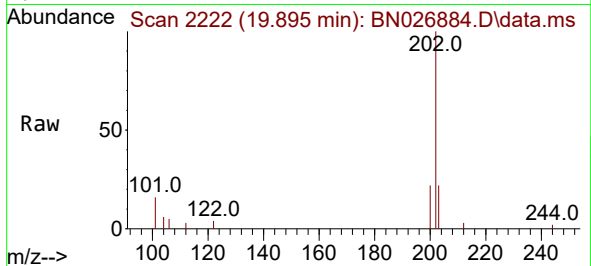




#30
Pyrene
Concen: 0.036 ng
RT: 19.895 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

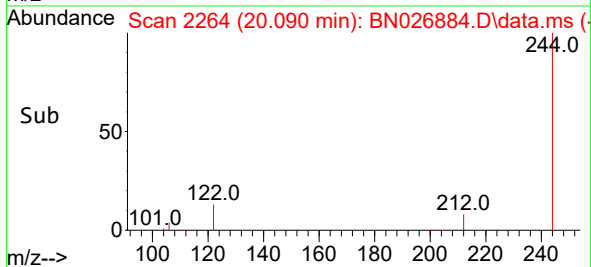
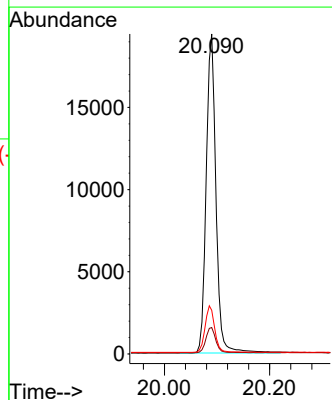
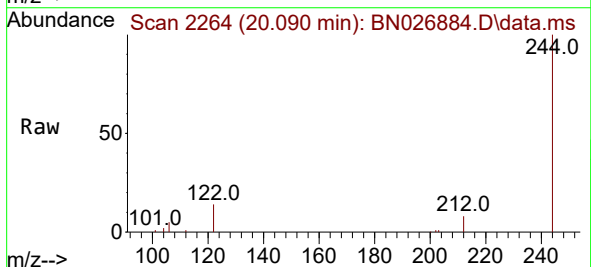
Instrument :
BNA_N
ClientSampleId :

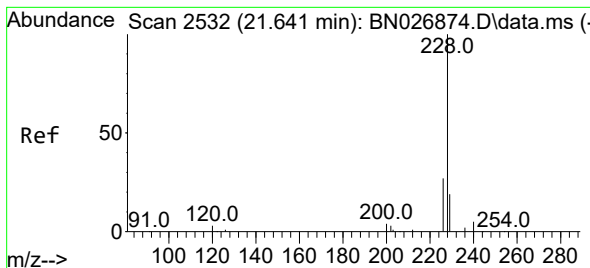
Tgt Ion:202 Resp: 3924
Ion Ratio Lower Upper
202 100
200 20.4 16.6 25.0
203 18.3 14.4 21.6



#31
Terphenyl-d14
Concen: 0.418 ng
RT: 20.090 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

Tgt Ion:244 Resp: 25015
Ion Ratio Lower Upper
244 100
212 8.3 6.9 10.3
122 13.6 11.9 17.9





#32

Benzo(a)anthracene

Concen: 0.039 ng

RT: 21.641 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN026884.D

Acq: 10 Aug 2023 15:31

Instrument :

BNA_N

ClientSampleId :

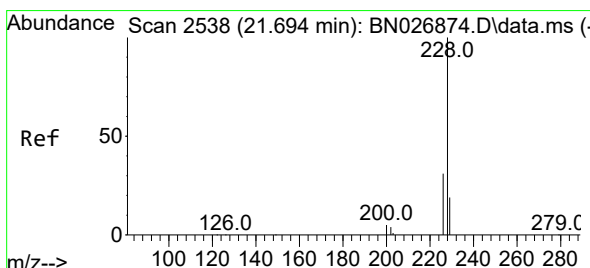
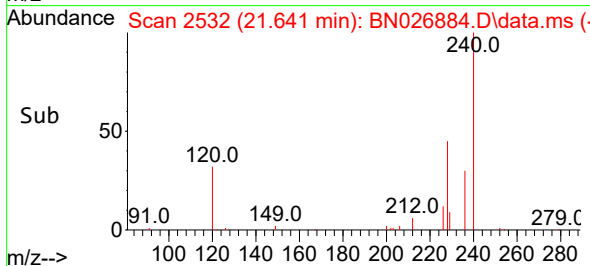
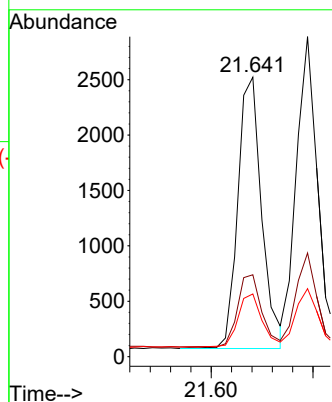
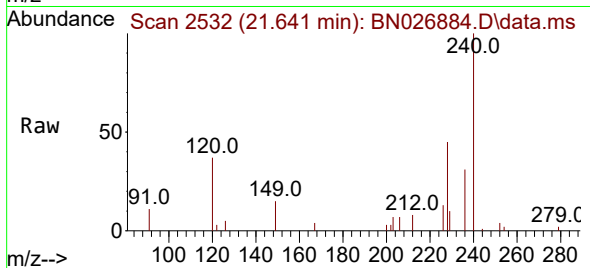
Tgt Ion:228 Resp: 3986

Ion Ratio Lower Upper

228 100

226 29.3 22.1 33.1

229 22.4 15.5 23.3



#33

Chrysene

Concen: 0.040 ng

RT: 21.695 min Scan# 2538

Delta R.T. 0.000 min

Lab File: BN026884.D

Acq: 10 Aug 2023 15:31

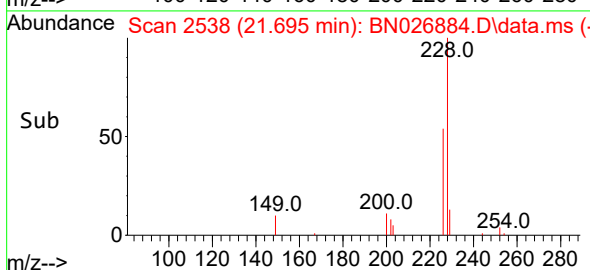
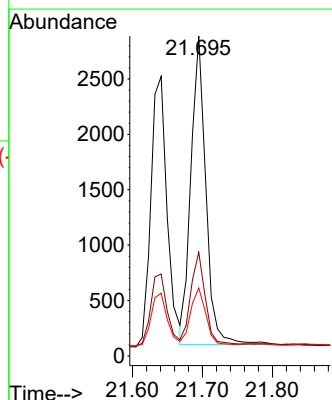
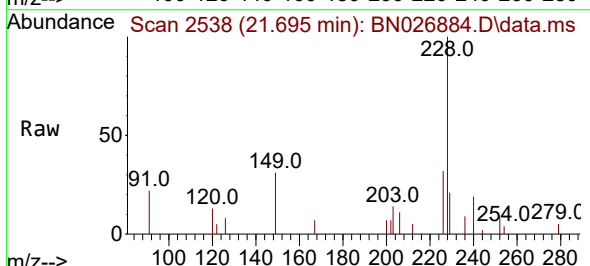
Tgt Ion:228 Resp: 4133

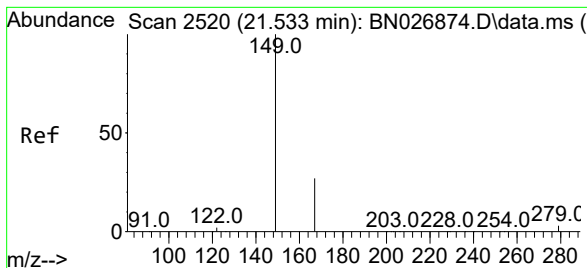
Ion Ratio Lower Upper

228 100

226 32.4 24.6 37.0

229 21.2 15.5 23.3

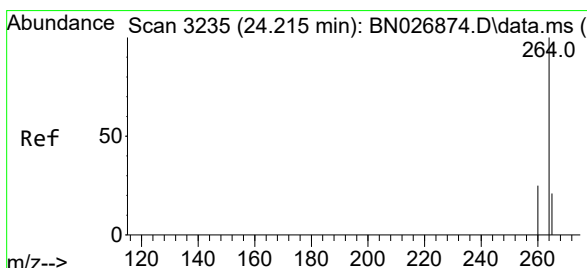
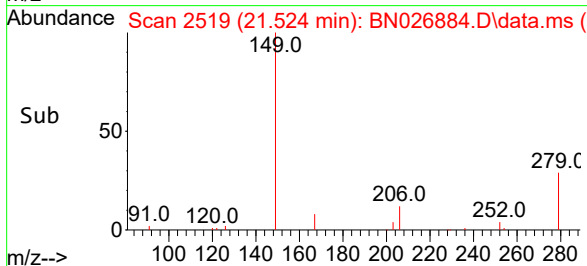
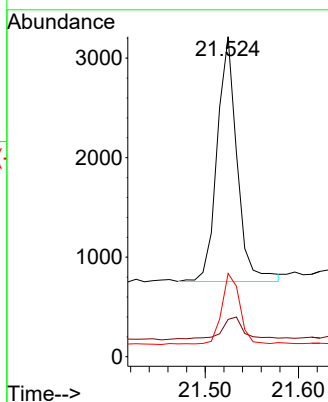
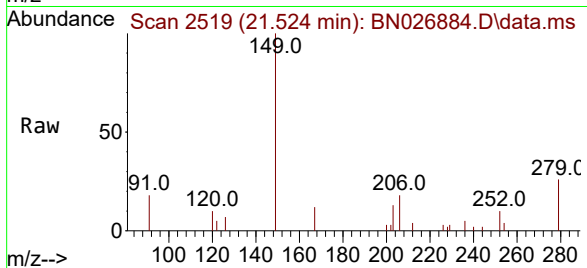




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.049 ng
 RT: 21.524 min Scan# 2151
 Delta R.T. -0.009 min
 Lab File: BN026884.D
 Acq: 10 Aug 2023 15:31

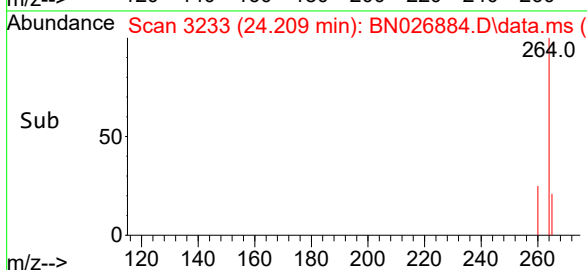
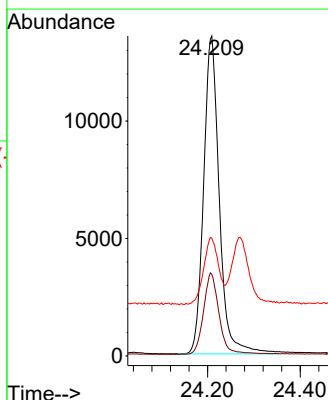
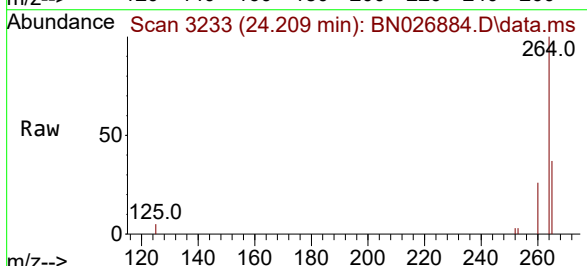
Instrument :
 BNA_N
 ClientSampleId :

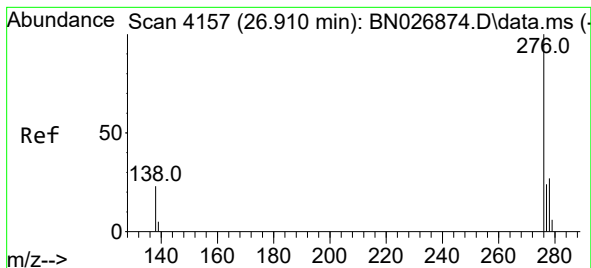
Tgt Ion:149 Resp: 3649
 Ion Ratio Lower Upper
 149 100
 167 11.8 21.4 32.0#
 279 27.2 3.6 5.4#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.209 min Scan# 3233
 Delta R.T. -0.006 min
 Lab File: BN026884.D
 Acq: 10 Aug 2023 15:31

Tgt Ion:264 Resp: 31732
 Ion Ratio Lower Upper
 264 100
 260 25.5 20.4 30.6
 265 36.9 27.0 40.6

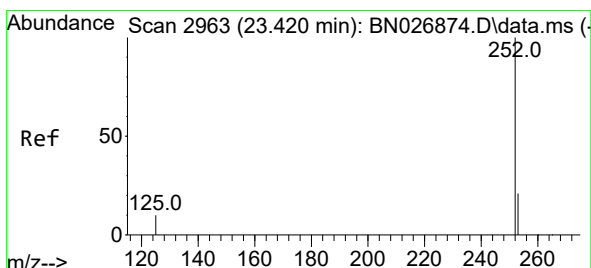
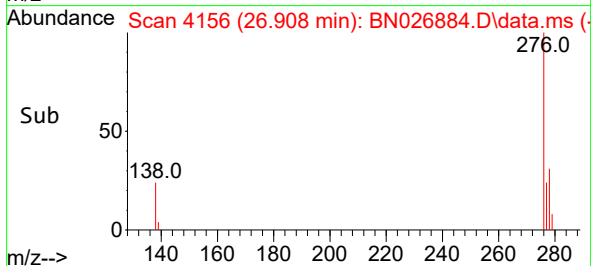
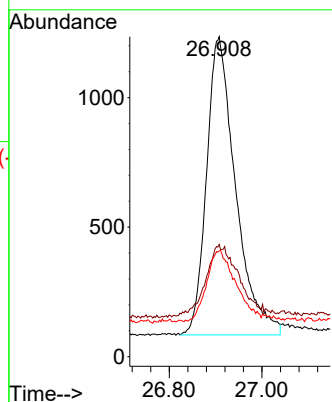
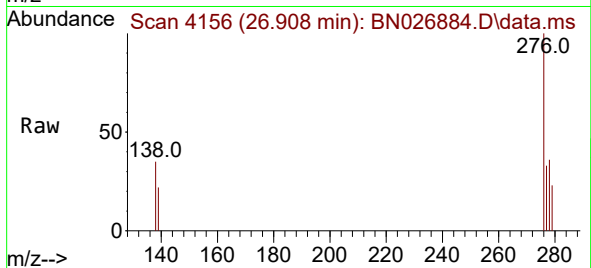




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.039 ng
 RT: 26.908 min Scan# 4157
 Delta R.T. -0.003 min
 Lab File: BN026884.D
 Acq: 10 Aug 2023 15:31

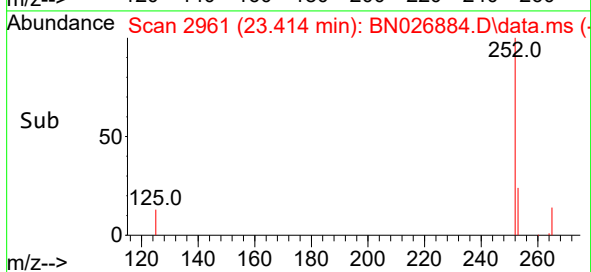
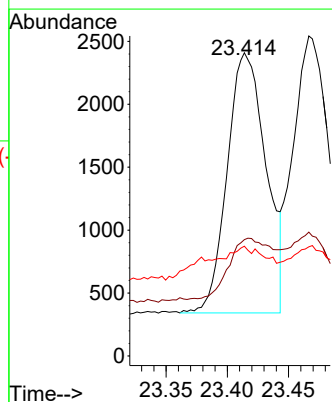
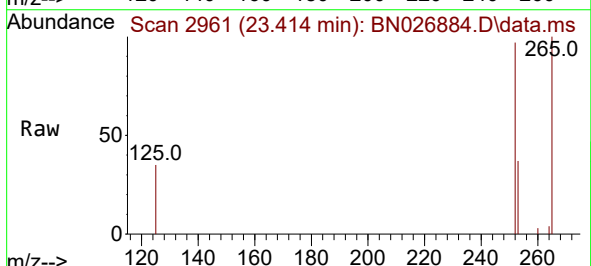
Instrument :
 BNA_N
 ClientSampleId :

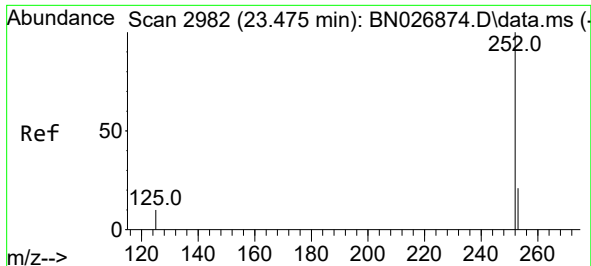
Tgt Ion:276 Resp: 5007
 Ion Ratio Lower Upper
 276 100
 138 13.1 21.1 31.7#
 277 24.1 19.9 29.9



#37
 Benzo(b)fluoranthene
 Concen: 0.043 ng
 RT: 23.414 min Scan# 2961
 Delta R.T. -0.006 min
 Lab File: BN026884.D
 Acq: 10 Aug 2023 15:31

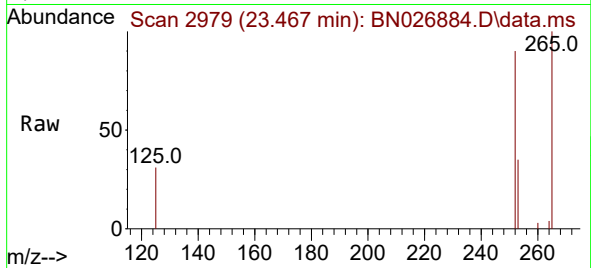
Tgt Ion:252 Resp: 4559
 Ion Ratio Lower Upper
 252 100
 253 38.4 18.4 27.6#
 125 36.2 10.2 15.2#



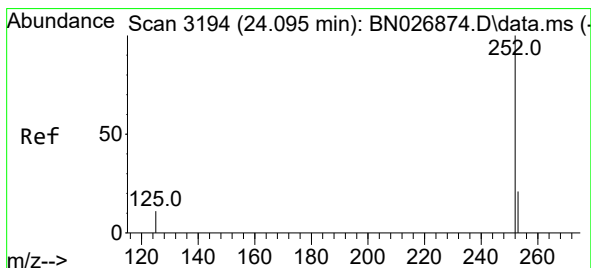
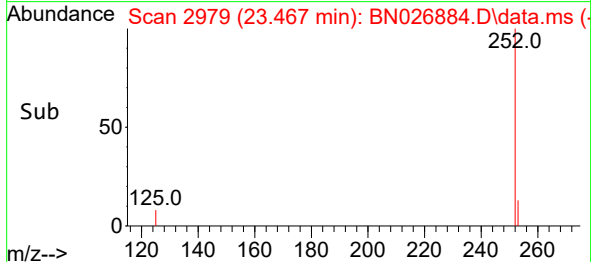
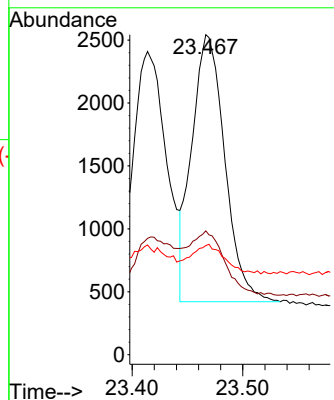


#38
Benzo(k)fluoranthene
Concen: 0.040 ng
RT: 23.467 min Scan# 2979
Delta R.T. -0.009 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

Instrument :
BNA_N
ClientSampleId :

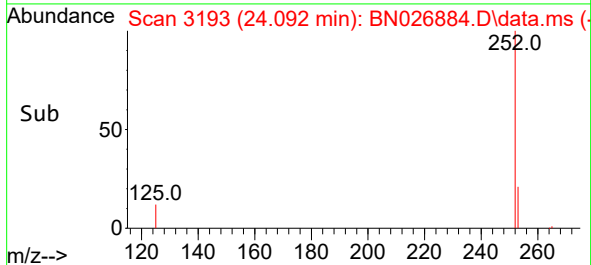
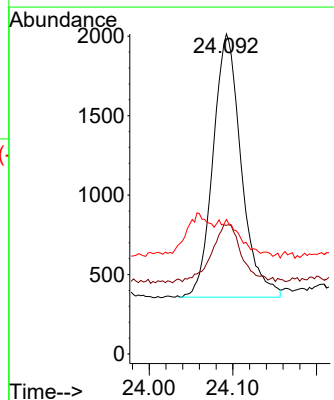
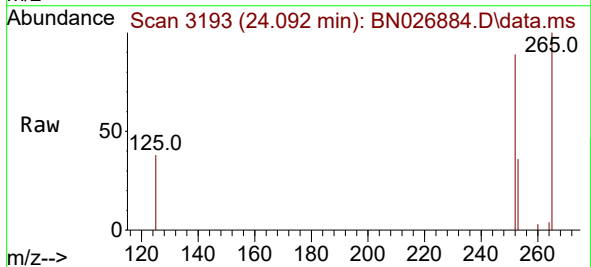


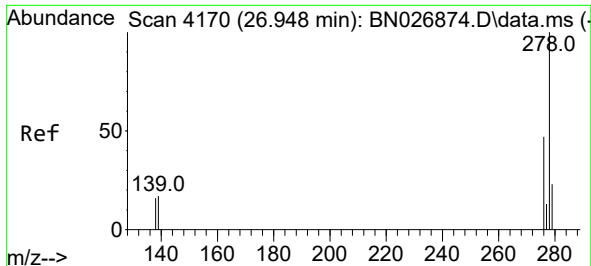
Tgt Ion:252 Resp: 4399
Ion Ratio Lower Upper
252 100
253 38.7 18.4 27.6#
125 34.1 10.2 15.2#



#39
Benzo(a)pyrene
Concen: 0.036 ng
RT: 24.092 min Scan# 3193
Delta R.T. -0.003 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

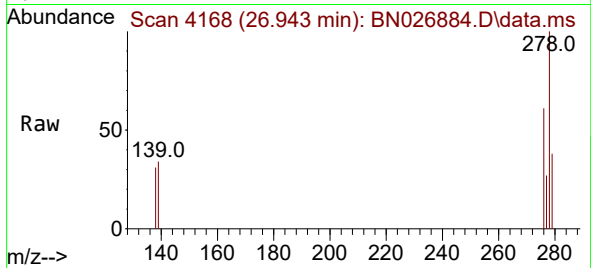
Tgt Ion:252 Resp: 3872
Ion Ratio Lower Upper
252 100
253 40.2 18.6 28.0#
125 42.0 11.7 17.5#



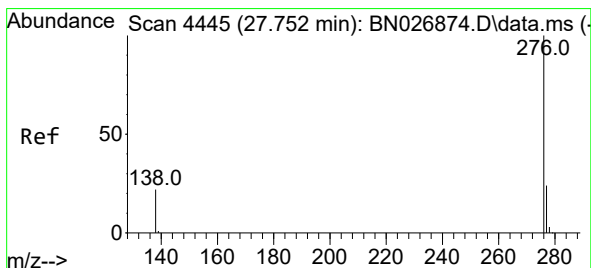
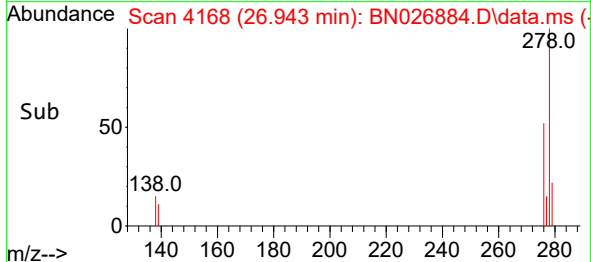
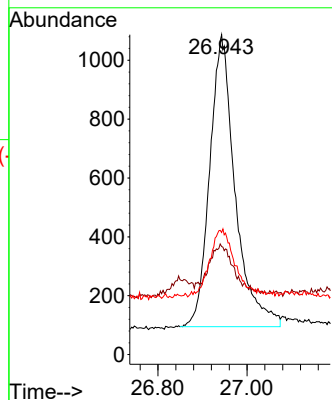


#40
Dibenzo(a,h)anthracene
Concen: 0.038 ng
RT: 26.943 min Scan# 41
Delta R.T. -0.006 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:278 Resp: 3934
Ion Ratio Lower Upper
278 100
139 33.8 15.3 22.9#
279 38.2 19.9 29.9#



#41
Benzo(g,h,i)perylene
Concen: 0.038 ng
RT: 27.750 min Scan# 4444
Delta R.T. -0.003 min
Lab File: BN026884.D
Acq: 10 Aug 2023 15:31

Tgt Ion:276 Resp: 4177
Ion Ratio Lower Upper
276 100
277 33.2 19.8 29.8#
138 34.4 19.0 28.4#

