

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082523\
 Data File : BN027136.D
 Acq On : 26 Aug 2023 01:54
 Operator : MA/JU
 Sample : 04025-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE122D1-20230814

Quant Time: Aug 26 02:40:30 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)

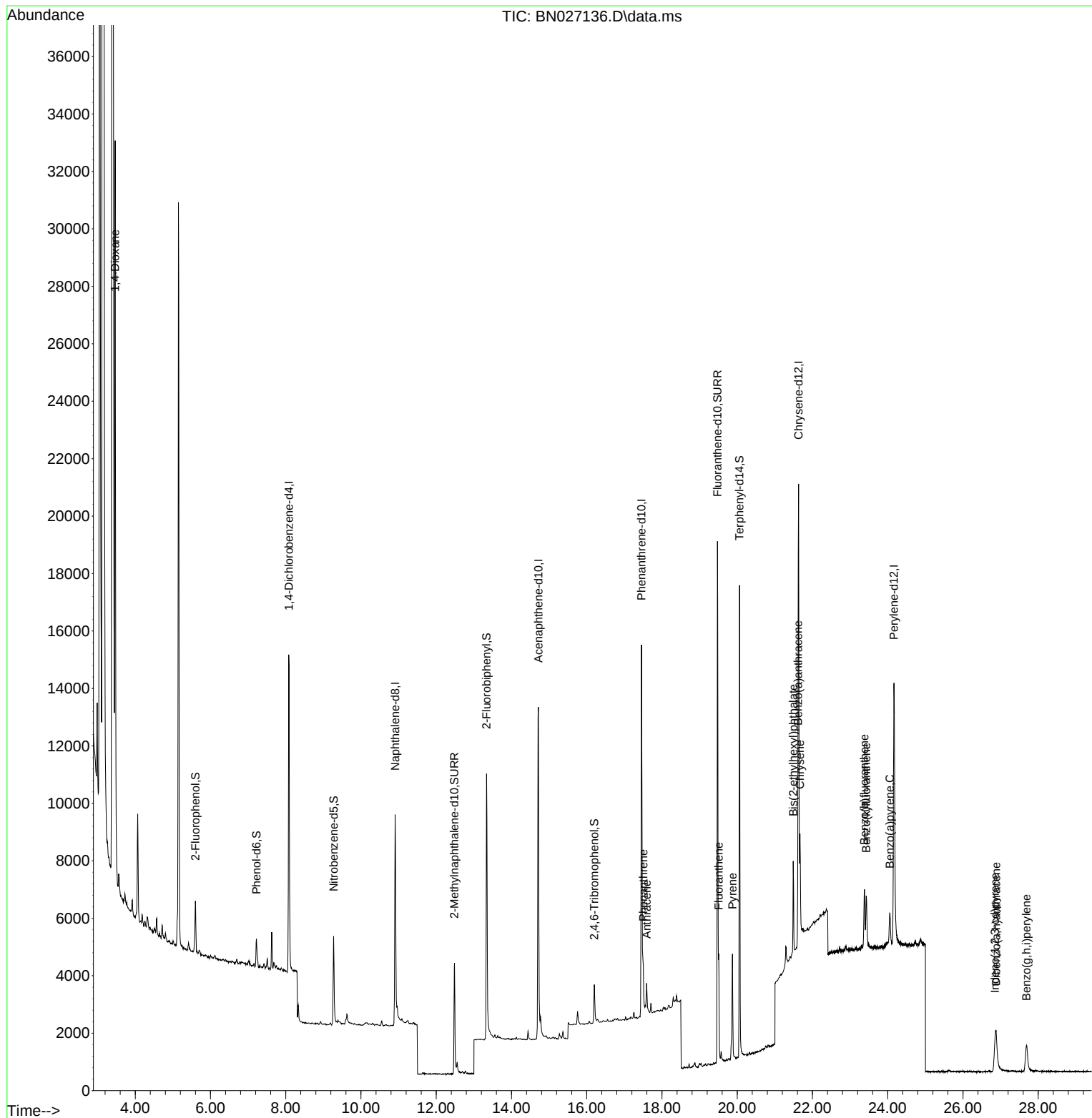
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.080	152	5503	0.400	ng	0.00
7) Naphthalene-d8	10.906	136	12112	0.400	ng	# 0.00
13) Acenaphthene-d10	14.715	164	8431	0.400	ng	0.01
19) Phenanthrene-d10	17.455	188	20120	0.400	ng	# 0.00
29) Chrysene-d12	21.632	240	16961	0.400	ng	0.00
35) Perylene-d12	24.165	264	16328	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.603	112	1520	0.098	ng	0.00
5) Phenol-d6	7.221	99	974	0.051	ng	0.00
8) Nitrobenzene-d5	9.272	82	2743	0.268	ng	0.00
11) 2-Methylnaphthalene-d10	12.483	152	6361	0.330	ng	0.00
14) 2,4,6-Tribromophenol	16.201	330	939	0.209	ng	0.00
15) 2-Fluorobiphenyl	13.336	172	9702	0.310	ng	0.00
27) Fluoranthene-d10	19.476	212	20664	0.400	ng	0.00
31) Terphenyl-d14	20.062	244	16481	0.465	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.465	88	16957	2.865	ng	95
25) Phenanthrene	17.505	178	1807	0.031	ng	96
26) Anthracene	17.592	178	1277	0.024	ng	97
28) Fluoranthene	19.509	202	3232	0.047	ng	# 96
30) Pyrene	19.871	202	3423	0.052	ng	99
32) Benzo(a)anthracene	21.614	228	2782	0.045	ng	94
33) Chrysene	21.668	228	3154	0.051	ng	96
34) Bis(2-ethylhexyl)phtha...	21.488	149	3508	0.080	ng	96
36) Indeno(1,2,3-cd)pyrene	26.852	276	2808	0.042	ng	96
37) Benzo(b)fluoranthene	23.379	252	3186	0.058	ng	# 38
38) Benzo(k)fluoranthene	23.431	252	2899	0.052	ng	# 35
39) Benzo(a)pyrene	24.054	252	2331	0.043	ng	# 8
40) Dibenzo(a,h)anthracene	26.881	278	2088	0.039	ng	# 44
41) Benzo(g,h,i)perylene	27.688	276	2640	0.046	ng	# 72

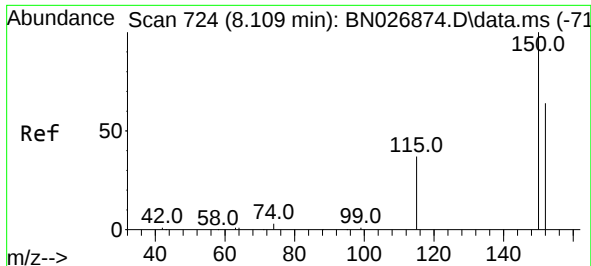
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082523\
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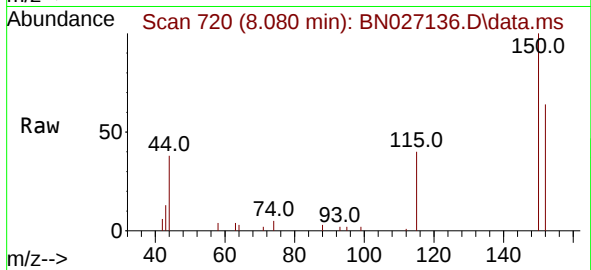
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 26 02:13:59 2023
Response via : Initial Calibration



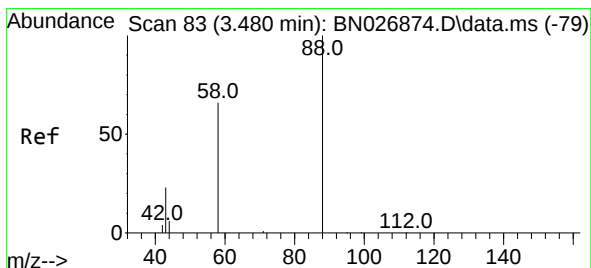
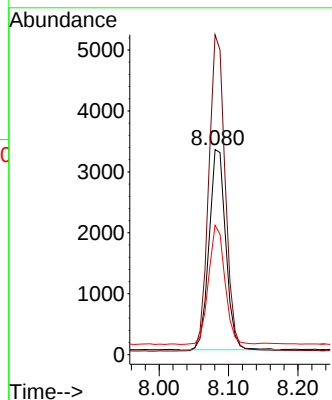
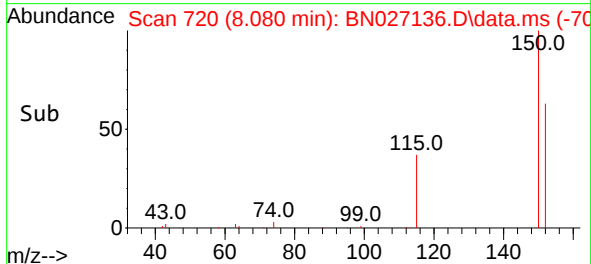


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.080 min Scan# 71
Delta R.T. -0.008 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

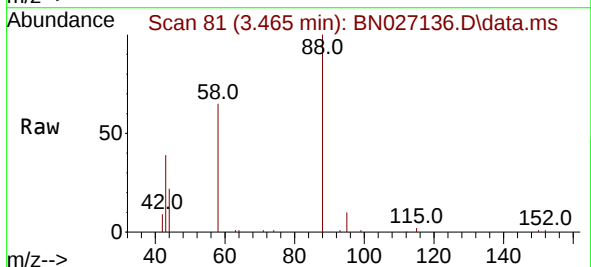
Instrument :
BNA_N
ClientSampleId :
RE122D1-20230814



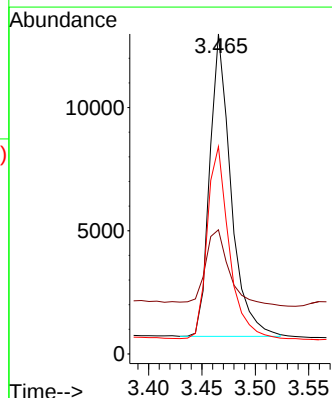
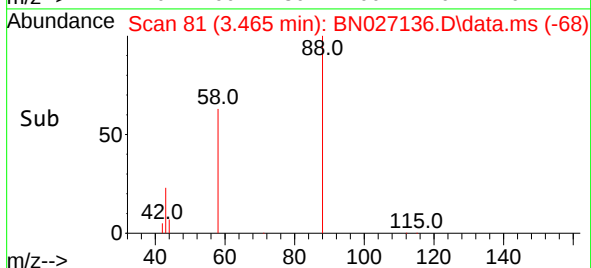
Tgt Ion:152 Resp: 5503
Ion Ratio Lower Upper
152 100
150 156.0 123.8 185.6
115 63.1 49.7 74.5

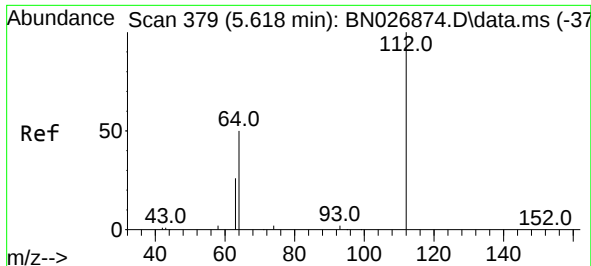


#2
1,4-Dioxane
Concen: 2.865 ng
RT: 3.465 min Scan# 81
Delta R.T. -0.007 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54



Tgt Ion: 88 Resp: 16957
Ion Ratio Lower Upper
88 100
43 28.2 19.2 28.8
58 65.5 54.5 81.7

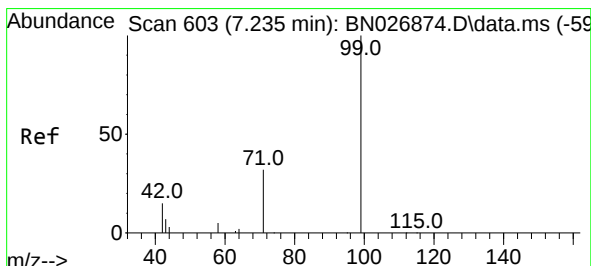
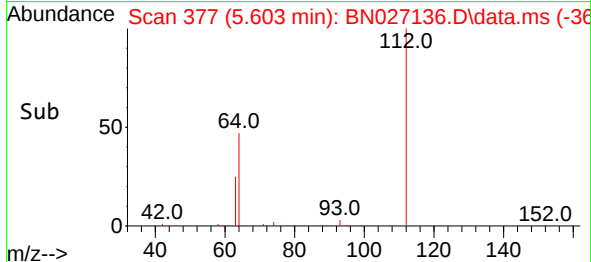
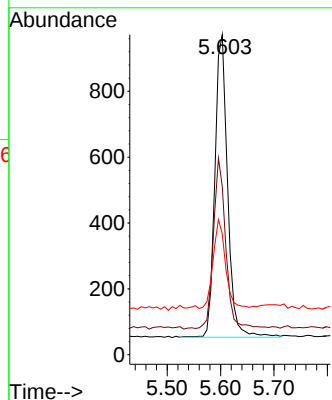
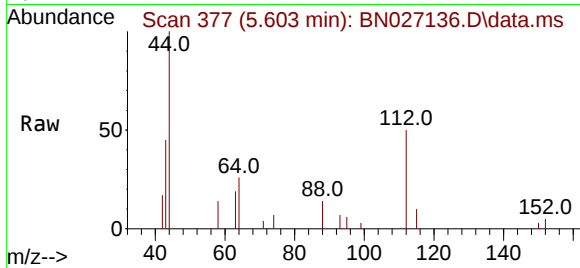




#4
2-Fluorophenol
Concen: 0.098 ng
RT: 5.603 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

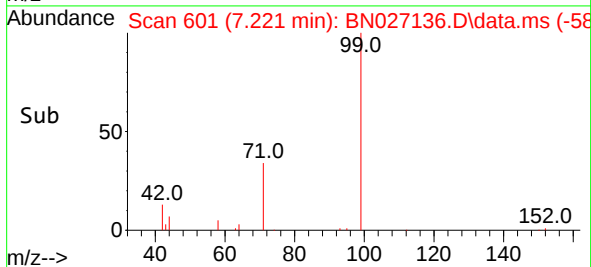
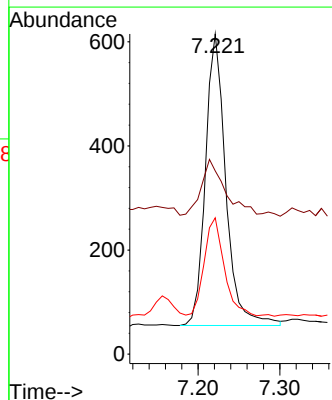
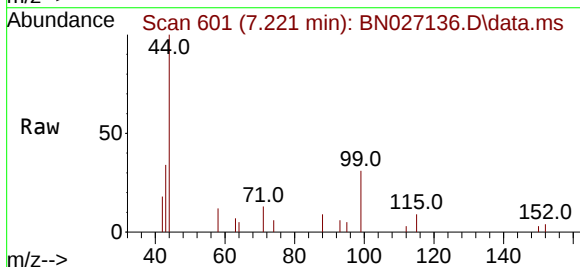
Instrument :
BNA_N
ClientSampleId :
RE122D1-20230814

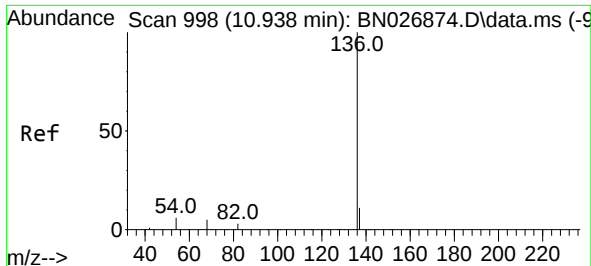
Tgt Ion:112 Resp: 1520
Ion Ratio Lower Upper
112 100
64 53.4 41.5 62.3
63 28.7 21.7 32.5



#5
Phenol-d6
Concen: 0.051 ng
RT: 7.221 min Scan# 601
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

Tgt Ion: 99 Resp: 974
Ion Ratio Lower Upper
99 100
42 22.0 13.6 20.4#
71 32.3 26.0 39.0

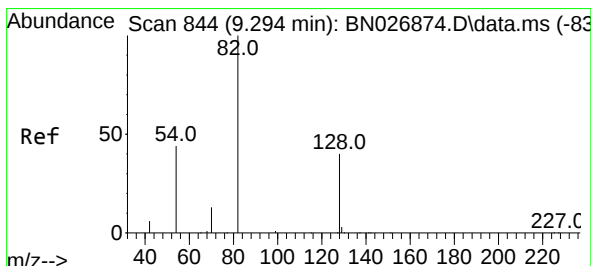
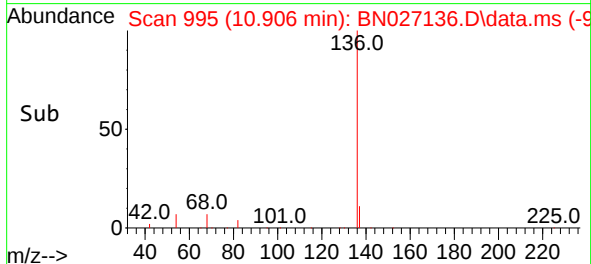
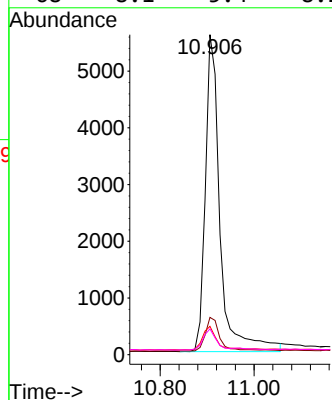
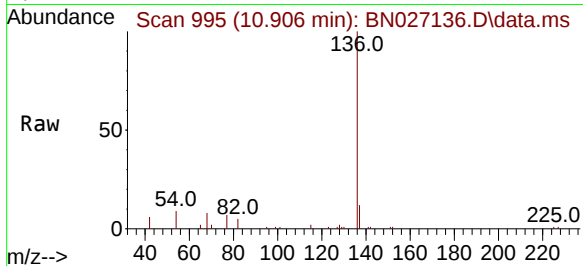




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.906 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

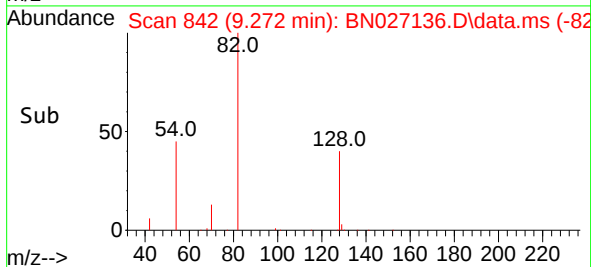
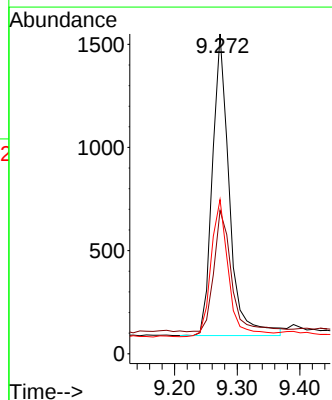
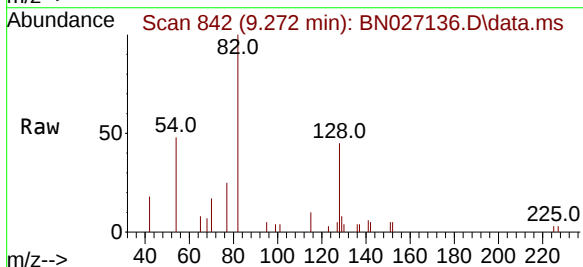
Instrument :
BNA_N
ClientSampleId :
RE122D1-20230814

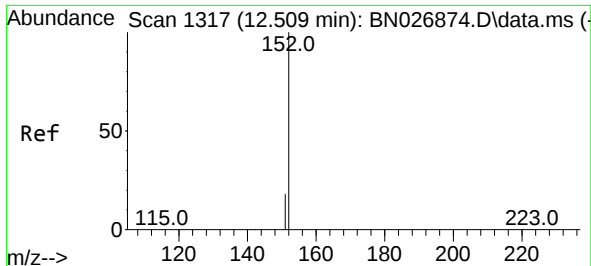
Tgt Ion:	136	Resp:	12112
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.6
54	8.9	5.5	8.3#
68	8.1	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.268 ng
RT: 9.272 min Scan# 842
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

Tgt Ion:	82	Resp:	2743
Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.1	51.1
54	48.3	37.0	55.4

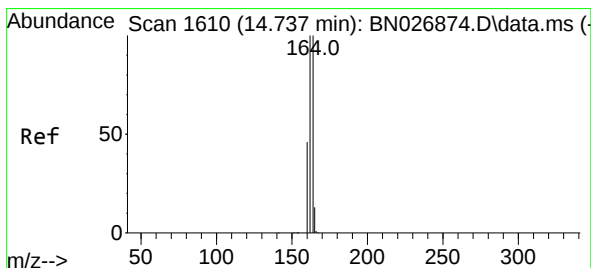
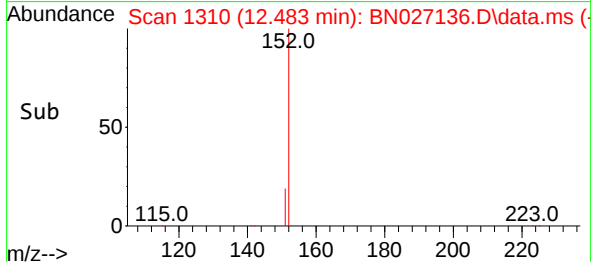
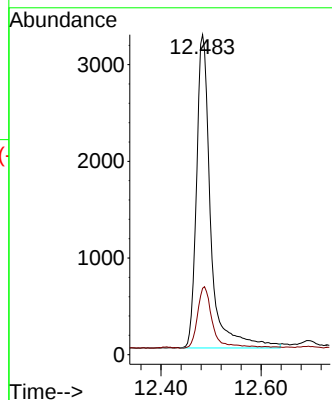
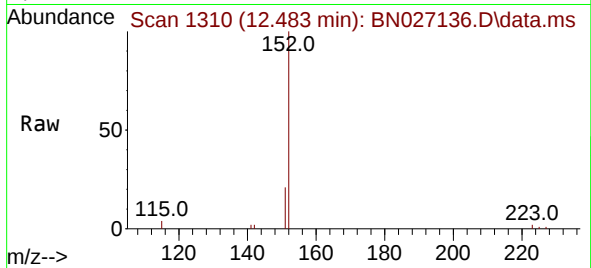




#11
2-Methylnaphthalene-d10
Concen: 0.330 ng
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

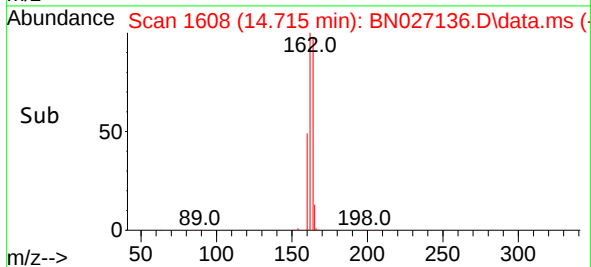
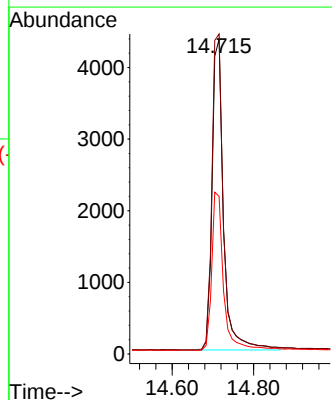
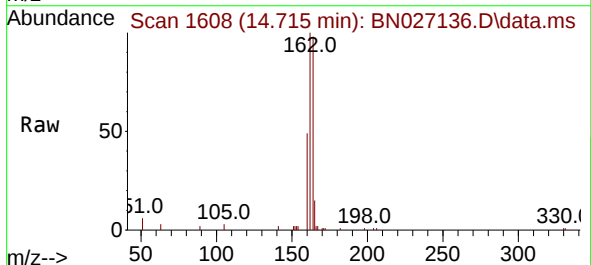
Instrument :
BNA_N
ClientSampleId :
RE122D1-20230814

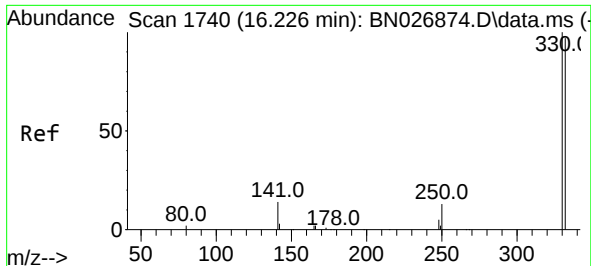
Tgt Ion:152 Resp: 6361
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.715 min Scan# 1608
Delta R.T. 0.011 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

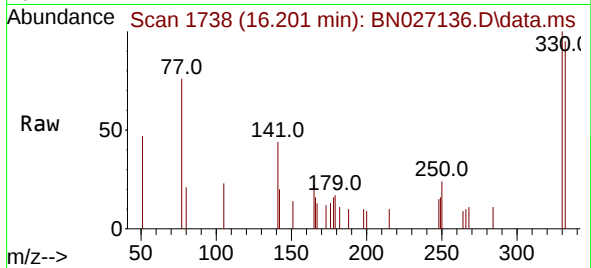
Tgt Ion:164 Resp: 8431
Ion Ratio Lower Upper
164 100
162 101.7 79.7 119.5
160 50.0 37.4 56.0



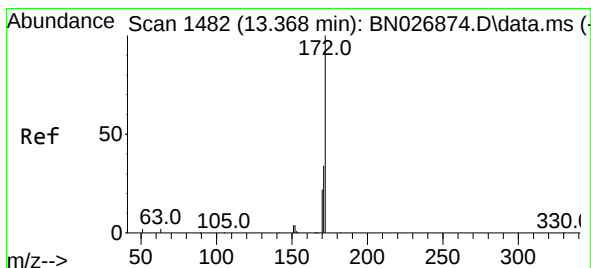
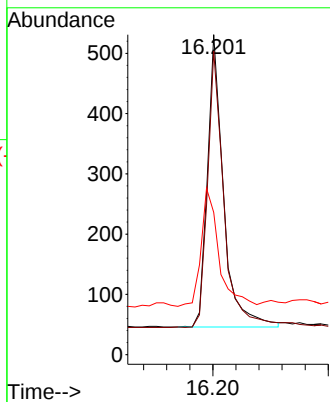
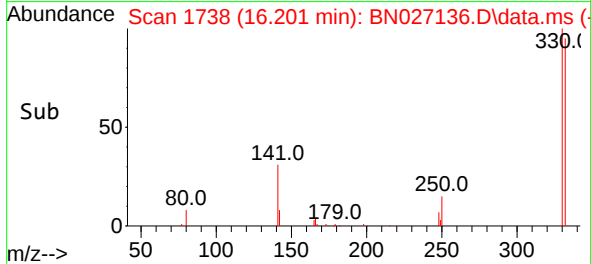


#14
2,4,6-Tribromophenol
Concen: 0.209 ng
RT: 16.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

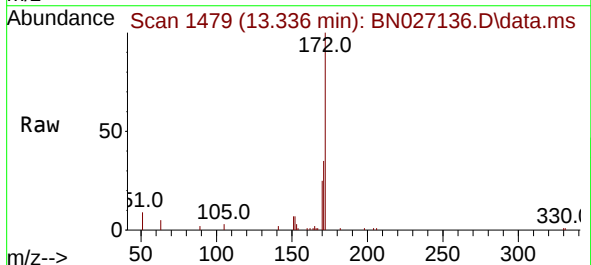
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BNA_N
ClientSampleId :
RE122D1-20230814



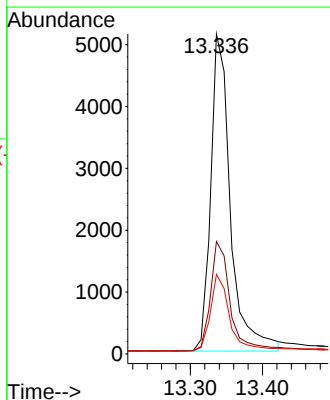
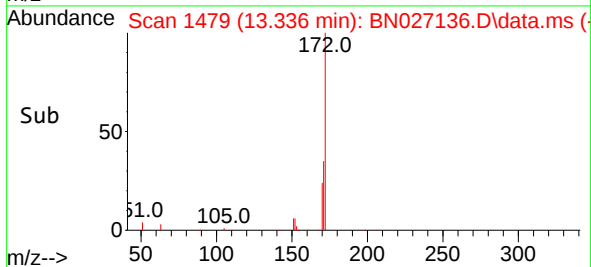
Tgt Ion:330 Resp: 939
Ion Ratio Lower Upper
330 100
332 95.8 76.6 114.8
141 44.4 32.3 48.5

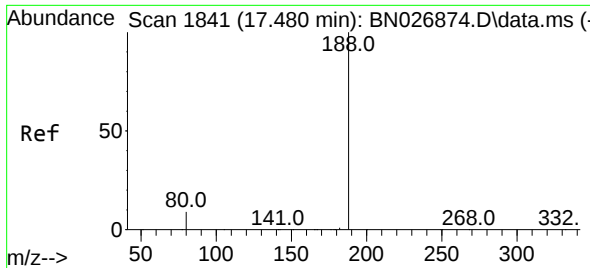


#15
2-Fluorobiphenyl
Concen: 0.310 ng
RT: 13.336 min Scan# 1479
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54



Tgt Ion:172 Resp: 9702
Ion Ratio Lower Upper
172 100
171 35.1 27.4 41.0
170 24.9 18.0 27.0

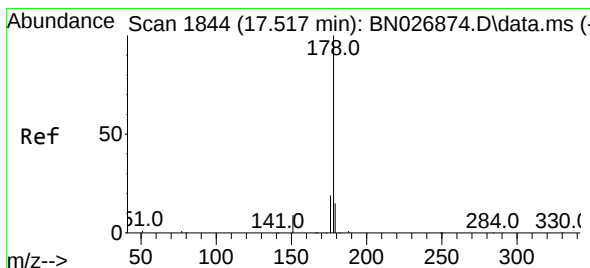
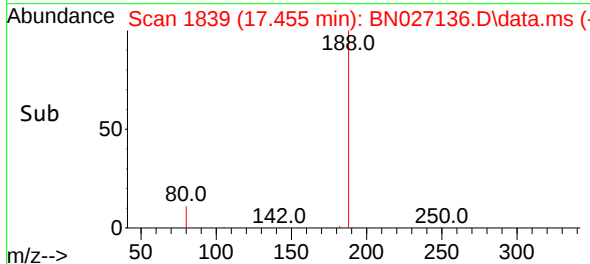
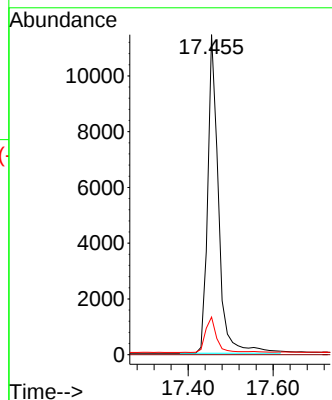
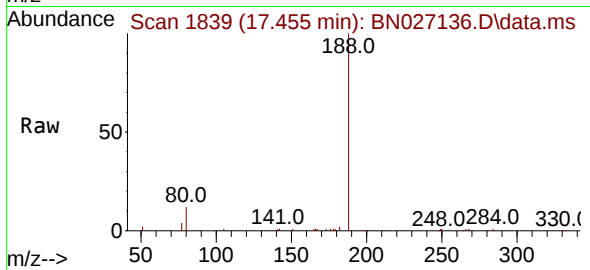




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.455 min Scan# 1839
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

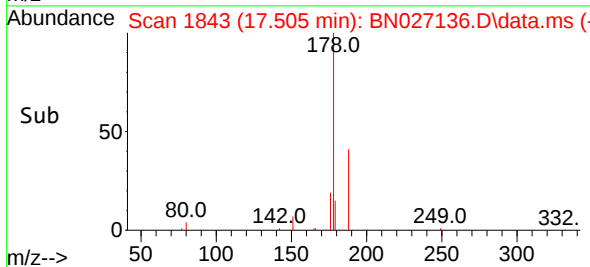
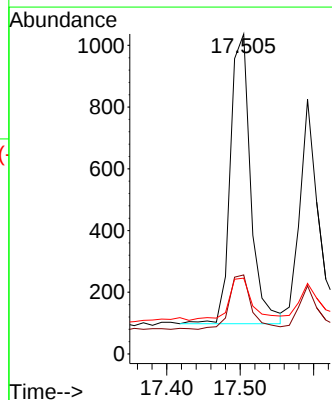
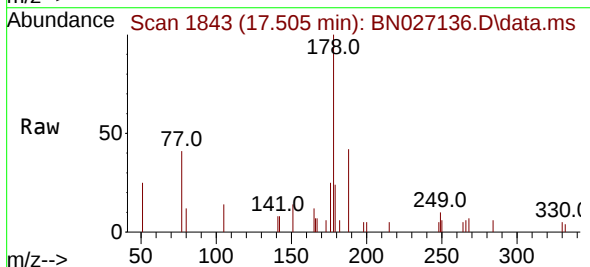
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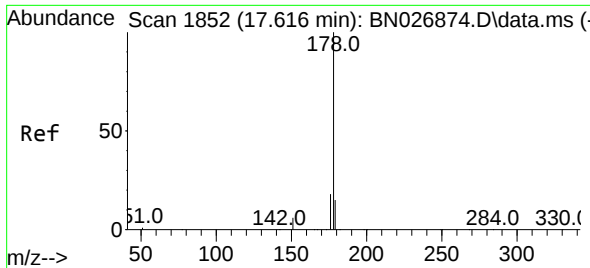
Tgt Ion:188 Resp: 20120
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.8 7.4 11.2#



#25
Phenanthrene
Concen: 0.031 ng
RT: 17.505 min Scan# 1843
Delta R.T. 0.012 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

Tgt Ion:178 Resp: 1807
Ion Ratio Lower Upper
178 100
176 20.6 15.3 22.9
179 17.0 12.2 18.4

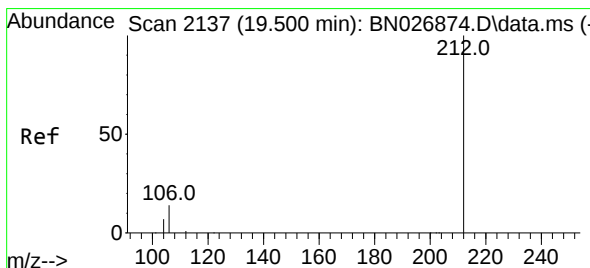
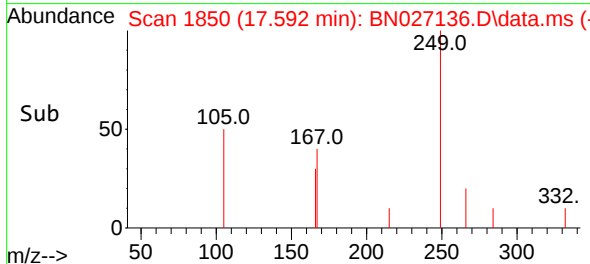
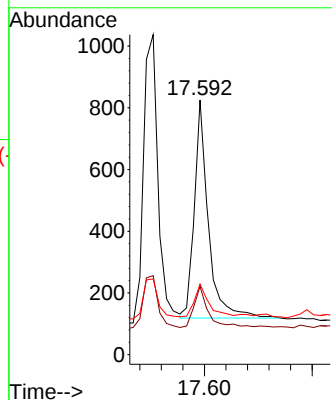
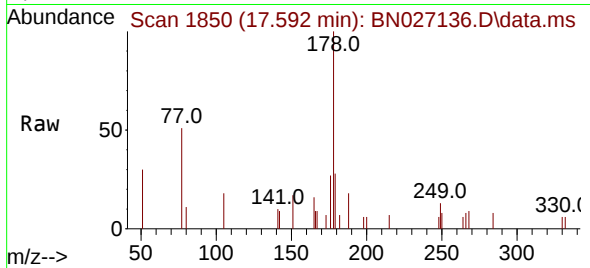




#26
 Anthracene
 Concen: 0.024 ng
 RT: 17.592 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: BN027136.D
 Acq: 26 Aug 2023 01:54

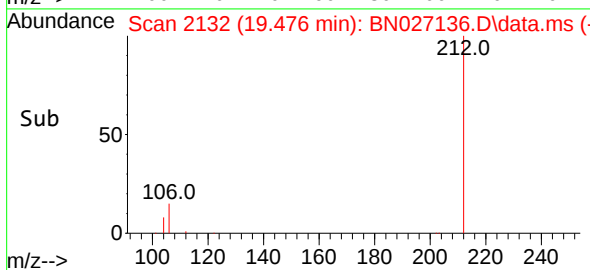
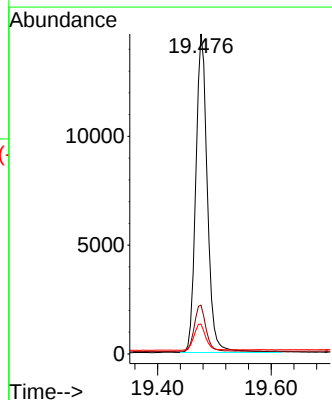
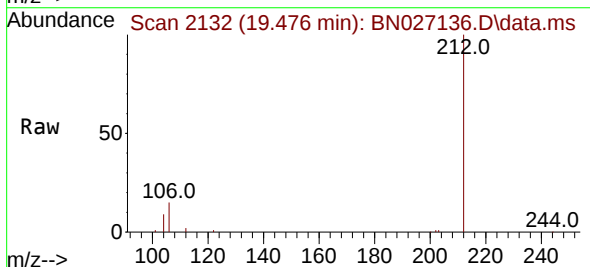
Instrument :
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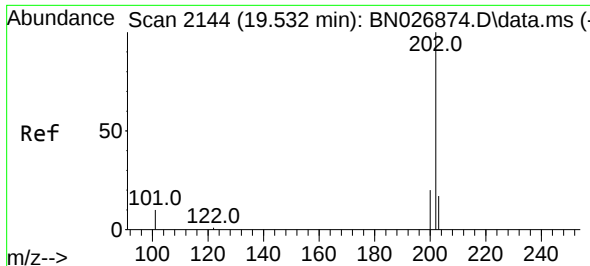
Tgt Ion:178 Resp: 1277
 Ion Ratio Lower Upper
 178 100
 176 20.0 14.8 22.2
 179 16.1 12.1 18.1



#27
 Fluoranthene-d10
 Concen: 0.400 ng
 RT: 19.476 min Scan# 2132
 Delta R.T. 0.000 min
 Lab File: BN027136.D
 Acq: 26 Aug 2023 01:54

Tgt Ion:212 Resp: 20664
 Ion Ratio Lower Upper
 212 100
 106 15.0 10.9 16.3
 104 8.4 5.9 8.9

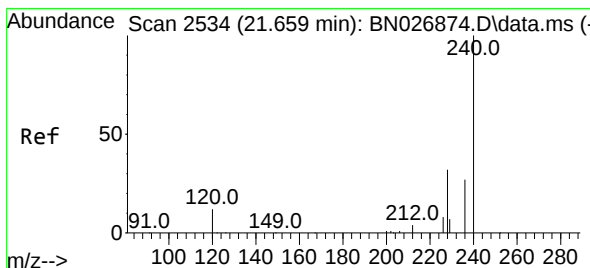
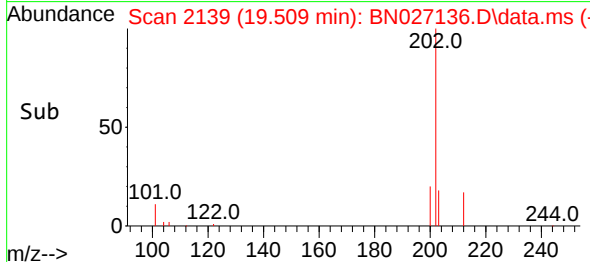
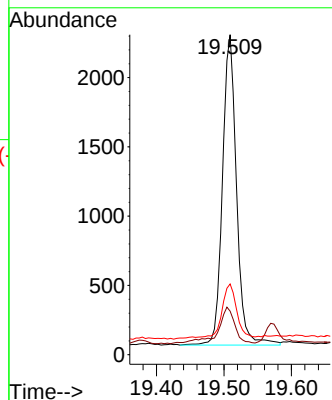
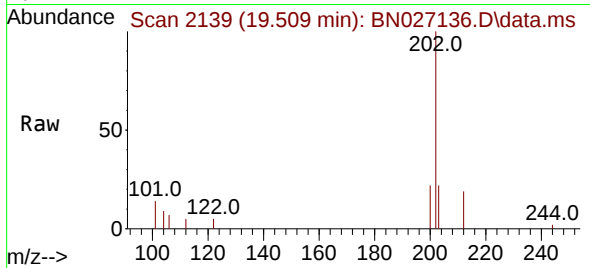




#28
Fluoranthene
Concen: 0.047 ng
RT: 19.509 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

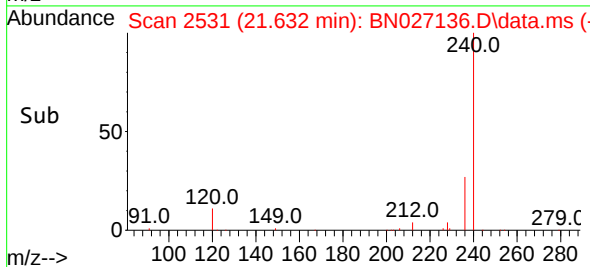
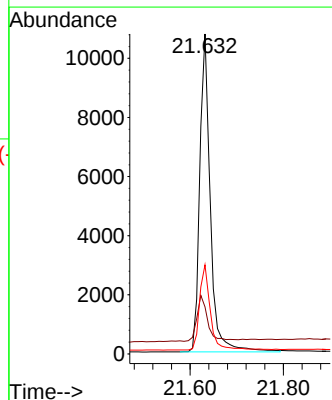
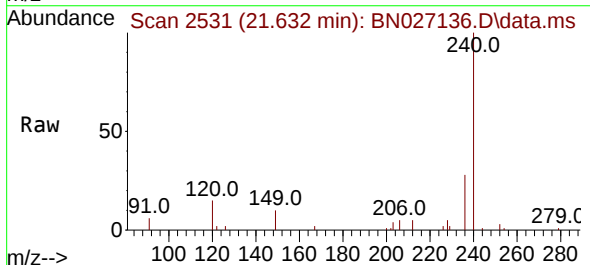
Instrument :
BNA_N
ClientSampleId :
RE122D1-20230814

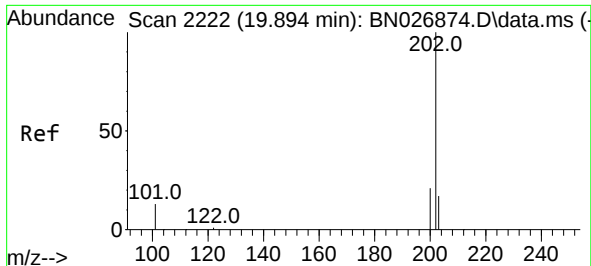
Tgt Ion:202 Resp: 3232
Ion Ratio Lower Upper
202 100
101 14.3 8.9 13.3#
203 17.8 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.632 min Scan# 2531
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

Tgt Ion:240 Resp: 16961
Ion Ratio Lower Upper
240 100
120 14.7 11.1 16.7
236 27.9 22.2 33.2

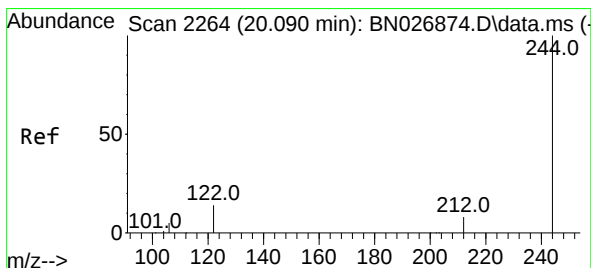
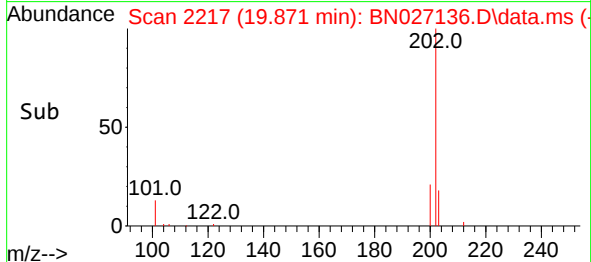
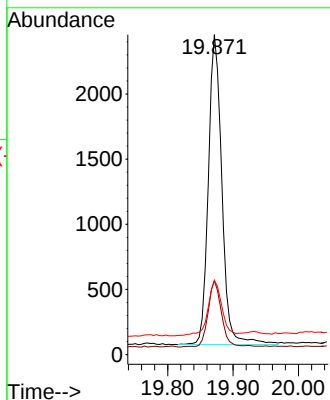
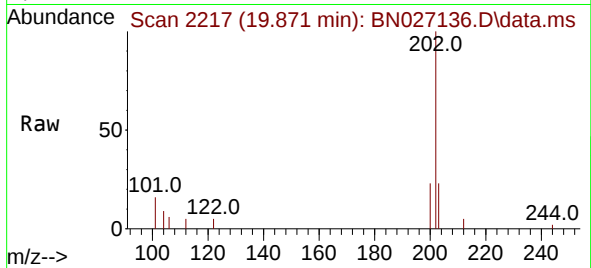




#30
Pyrene
Concen: 0.052 ng
RT: 19.871 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

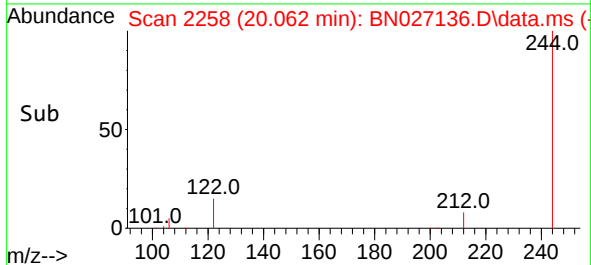
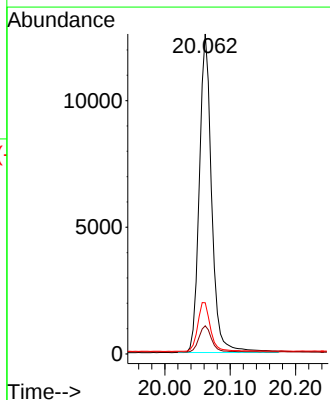
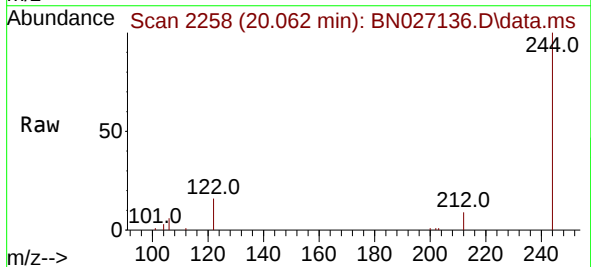
Instrument :
BNA_N
ClientSampleId :
RE122D1-20230814

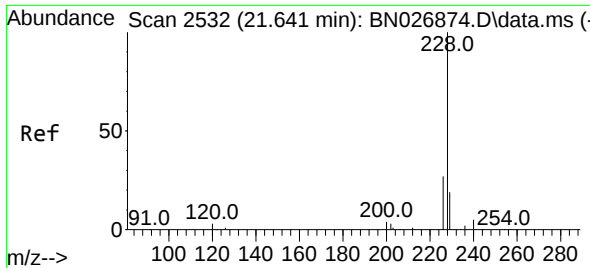
Tgt Ion:202 Resp: 3423
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 18.5 14.4 21.6



#31
Terphenyl-d14
Concen: 0.465 ng
RT: 20.062 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

Tgt Ion:244 Resp: 16481
Ion Ratio Lower Upper
244 100
212 8.8 6.9 10.3
122 16.0 11.9 17.9

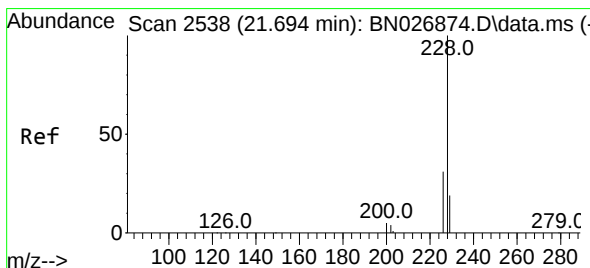
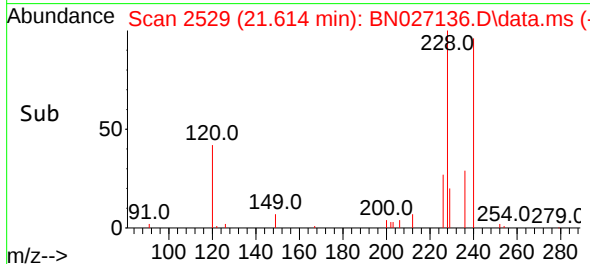
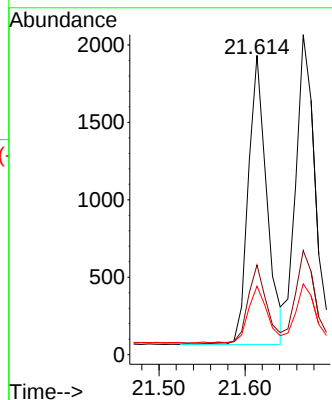
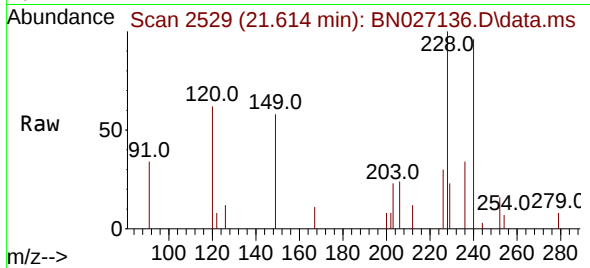




#32
Benzo(a)anthracene
Concen: 0.045 ng
RT: 21.614 min Scan# 2161
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

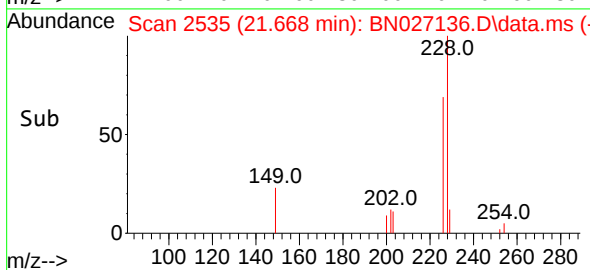
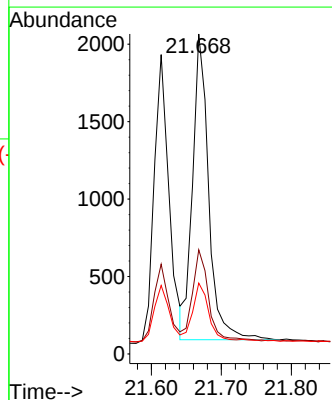
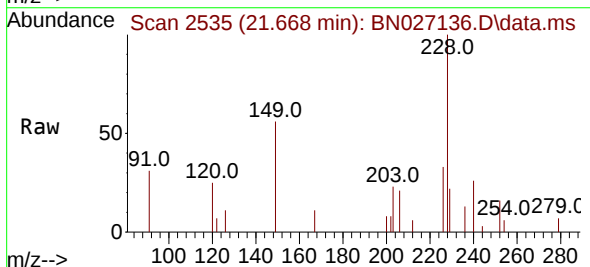
Instrument :
BNA_N
ClientSampleId :
RE122D1-20230814

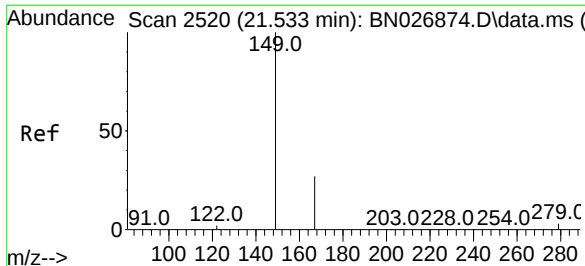
Tgt Ion:228 Resp: 2782
Ion Ratio Lower Upper
228 100
226 30.0 22.1 33.1
229 22.9 15.5 23.3



#33
Chrysene
Concen: 0.051 ng
RT: 21.668 min Scan# 2535
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

Tgt Ion:228 Resp: 3154
Ion Ratio Lower Upper
228 100
226 32.5 24.6 37.0
229 22.2 15.5 23.3

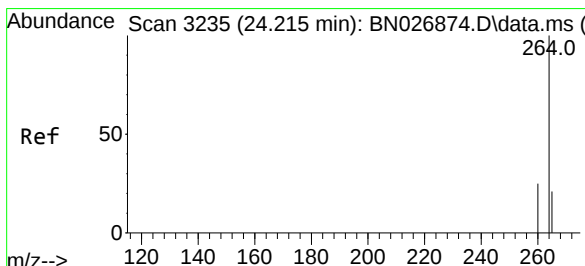
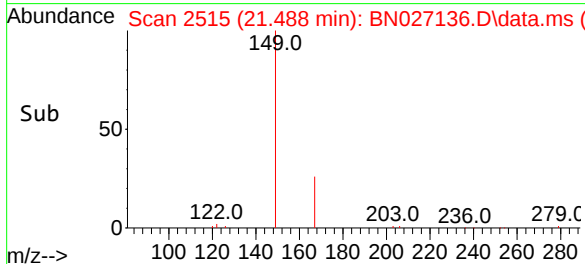
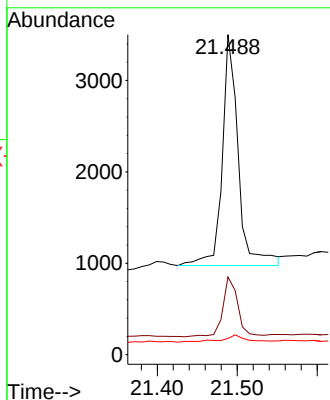
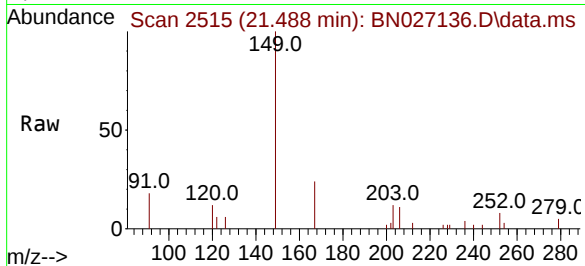




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.080 ng
RT: 21.488 min Scan# 2148
Delta R.T. -0.009 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

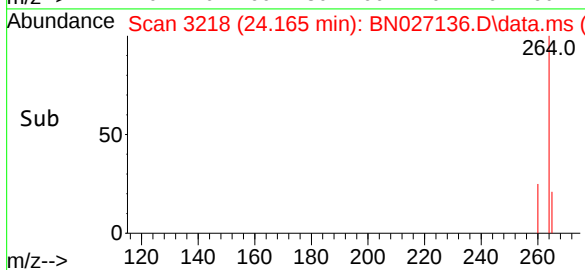
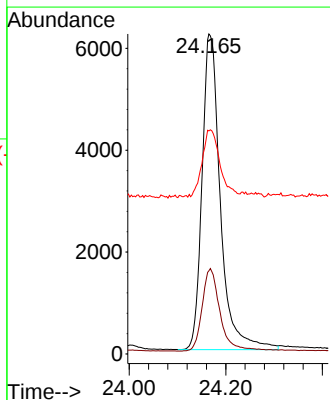
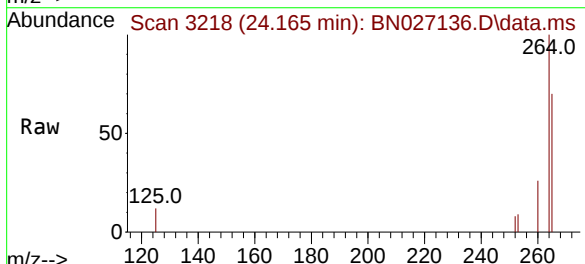
Instrument :
BNA_N
ClientSampleId :
RE122D1-20230814

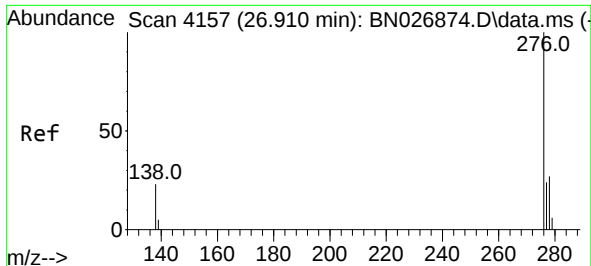
Tgt Ion:149 Resp: 3508
Ion Ratio Lower Upper
149 100
167 24.2 21.4 32.0
279 4.8 3.6 5.4



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.165 min Scan# 3218
Delta R.T. -0.006 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

Tgt Ion:264 Resp: 16328
Ion Ratio Lower Upper
264 100
260 26.0 20.4 30.6
265 69.7 27.0 40.6#

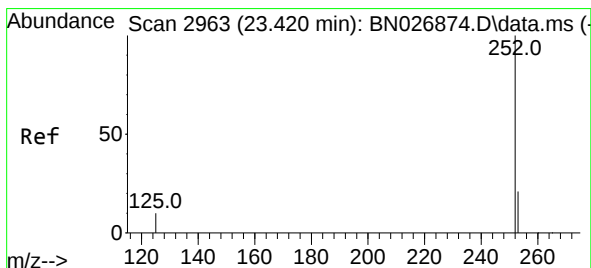
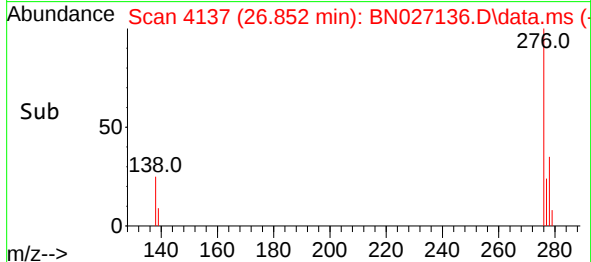
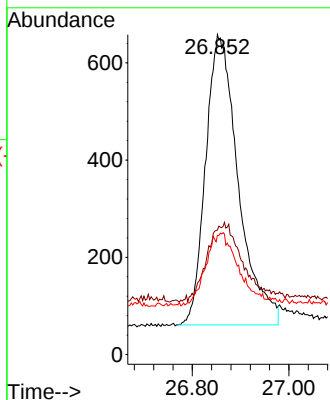
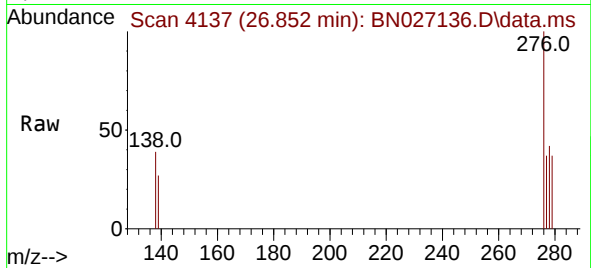




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.042 ng
RT: 26.852 min Scan# 4157
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

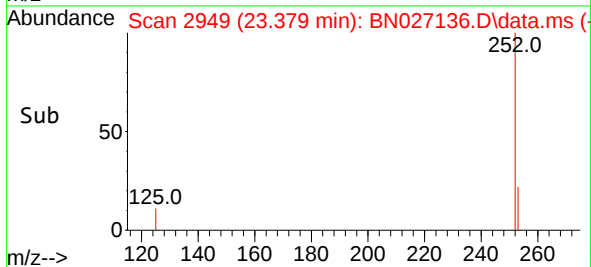
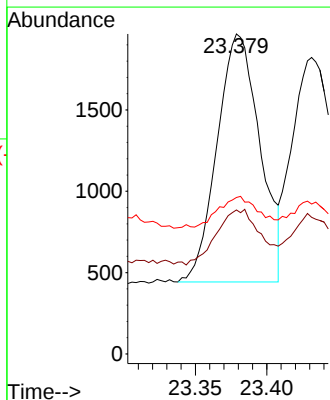
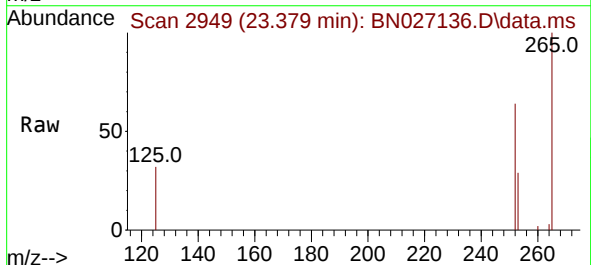
Instrument :
BNA_N
ClientSampleId :
RE122D1-20230814

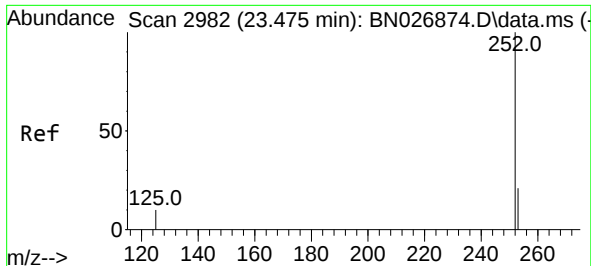
Tgt Ion:276 Resp: 2808
Ion Ratio Lower Upper
276 100
138 29.6 21.1 31.7
277 24.5 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 0.058 ng
RT: 23.379 min Scan# 2949
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

Tgt Ion:252 Resp: 3186
Ion Ratio Lower Upper
252 100
253 45.0 18.4 27.6#
125 48.9 10.2 15.2#

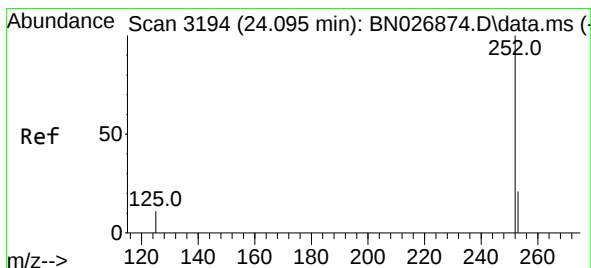
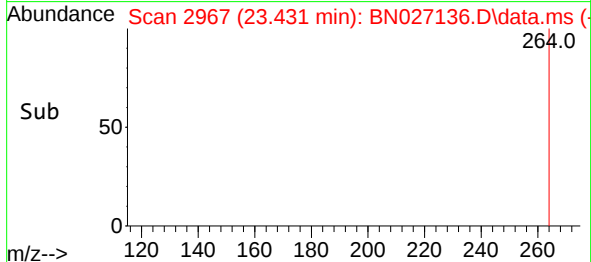
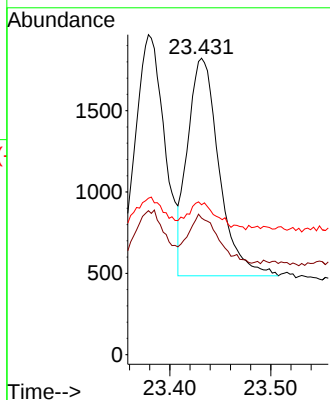
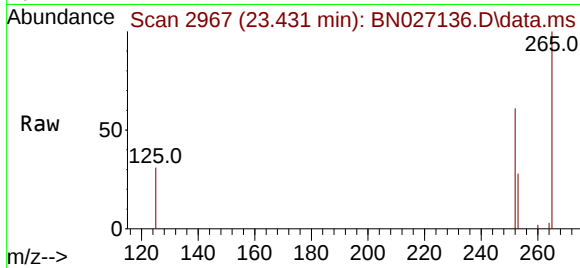




#38
Benzo(k)fluoranthene
Concen: 0.052 ng
RT: 23.431 min Scan# 2982
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

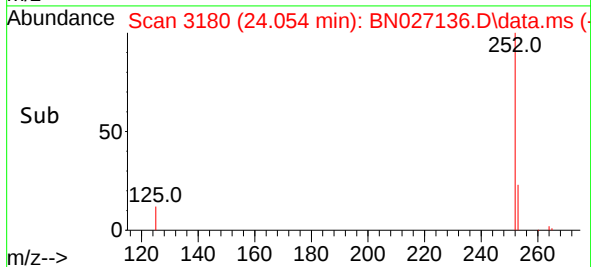
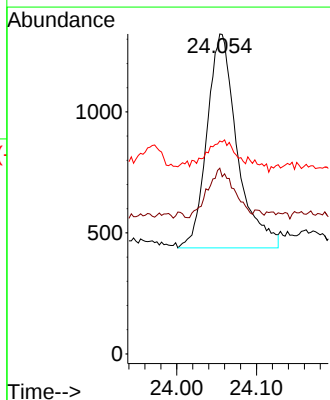
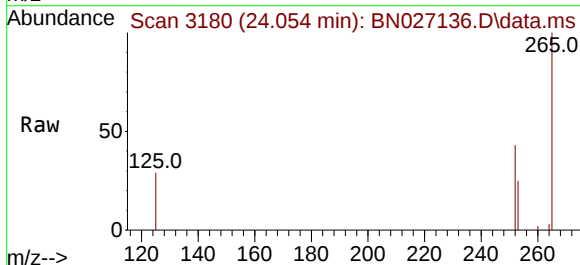
Instrument :
BNA_N
ClientSampleId :
RE122D1-20230814

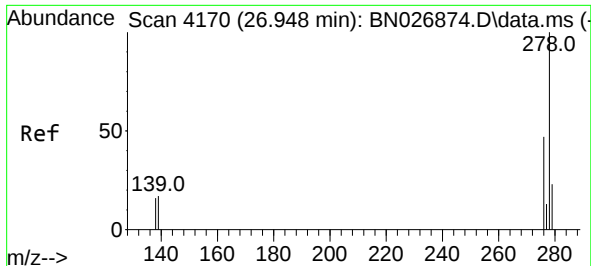
Tgt Ion:252 Resp: 2899
Ion Ratio Lower Upper
252 100
253 46.1 18.4 27.6#
125 50.6 10.2 15.2#



#39
Benzo(a)pyrene
Concen: 0.043 ng
RT: 24.054 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

Tgt Ion:252 Resp: 2331
Ion Ratio Lower Upper
252 100
253 58.0 18.6 28.0#
125 66.6 11.7 17.5#

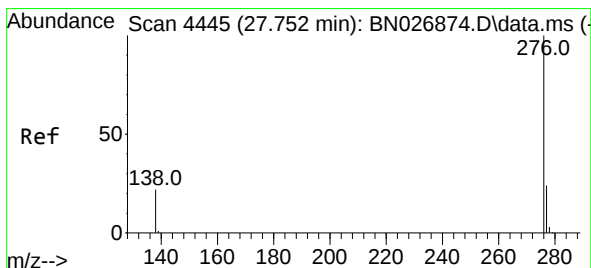
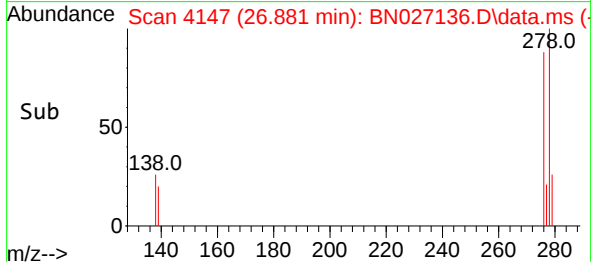
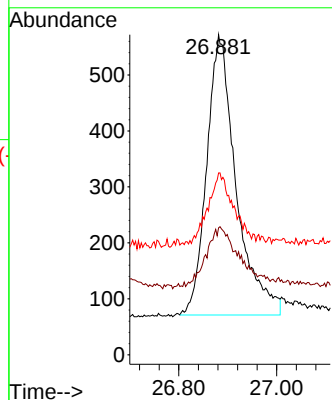
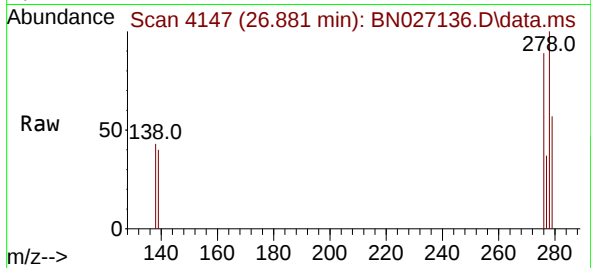




#40
Dibenzo(a,h)anthracene
Concen: 0.039 ng
RT: 26.881 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

Instrument :
BNA_N
ClientSampleId :
RE122D1-20230814

Tgt Ion:278 Resp: 2088
Ion Ratio Lower Upper
278 100
139 39.7 15.3 22.9#
279 56.8 19.9 29.9#



#41
Benzo(g,h,i)perylene
Concen: 0.046 ng
RT: 27.688 min Scan# 4423
Delta R.T. 0.000 min
Lab File: BN027136.D
Acq: 26 Aug 2023 01:54

Tgt Ion:276 Resp: 2640
Ion Ratio Lower Upper
276 100
277 37.4 19.8 29.8#
138 39.0 19.0 28.4#

