

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082923\
 Data File : BN027236.D
 Acq On : 29 Aug 2023 11:48
 Operator : MA/JU
 Sample : 04126-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE123D3-20230819

Quant Time: Aug 30 00:03:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 05:37:30 2023
 Response via : Initial Calibration

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

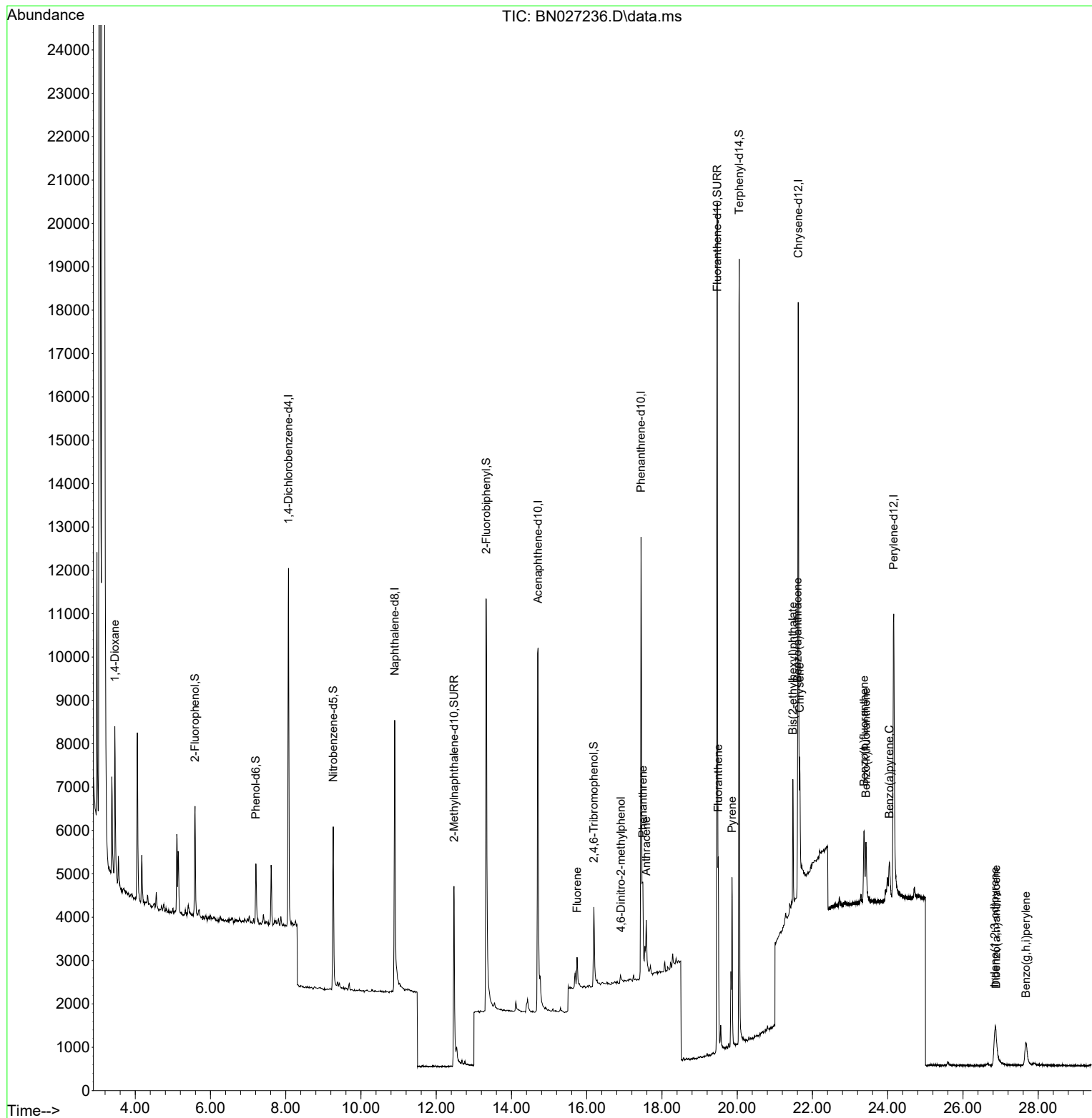
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	4126	0.400	ng	0.00
7) Naphthalene-d8	10.896	136	10117	0.400	ng	0.00
13) Acenaphthene-d10	14.705	164	6787	0.400	ng	0.01
19) Phenanthrene-d10	17.443	188	15777	0.400	ng	0.00
29) Chrysene-d12	21.623	240	13668	0.400	ng	0.00
35) Perylene-d12	24.157	264	12018	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.589	112	2246	0.209	ng	0.00
5) Phenol-d6	7.207	99	1509	0.115	ng	0.00
8) Nitrobenzene-d5	9.262	82	3509	0.476	ng	0.00
11) 2-Methylnaphthalene-d10	12.472	152	7325	0.493	ng	0.00
14) 2,4,6-Tribromophenol	16.189	330	1284	0.511	ng	0.00
15) 2-Fluorobiphenyl	13.326	172	11280	0.437	ng	0.00
27) Fluoranthene-d10	19.467	212	23722	0.605	ng	0.00
31) Terphenyl-d14	20.053	244	18195	0.663	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.458	88	2687	0.533	ng	# 92
18) Fluorene	15.742	166	716	0.026	ng	97
20) 4,6-Dinitro-2-methylph...	16.909	198	7	0.031	ng	# 8
25) Phenanthrene	17.492	178	2379	0.051	ng	97
26) Anthracene	17.579	178	1548	0.039	ng	99
28) Fluoranthene	19.495	202	3574	0.065	ng	# 96
30) Pyrene	19.862	202	3561	0.066	ng	99
32) Benzo(a)anthracene	21.605	228	2539	0.054	ng	92
33) Chrysene	21.659	228	2552	0.050	ng	95
34) Bis(2-ethylhexyl)phtha...	21.480	149	2654	0.117	ng	98
36) Indeno(1,2,3-cd)pyrene	26.843	276	1913	0.039	ng	# 63
37) Benzo(b)fluoranthene	23.370	252	2642	0.057	ng	# 40
38) Benzo(k)fluoranthene	23.423	252	2078	0.043	ng	# 28
39) Benzo(a)pyrene	24.042	252	1658	0.038	ng	# 4
40) Dibenzo(a,h)anthracene	26.881	278	1353	0.035	ng	# 32
41) Benzo(g,h,i)perylene	27.674	276	1666	0.038	ng	# 65

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

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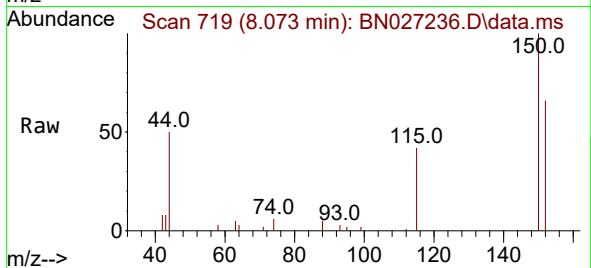
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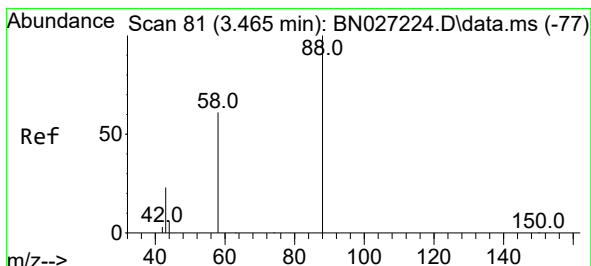
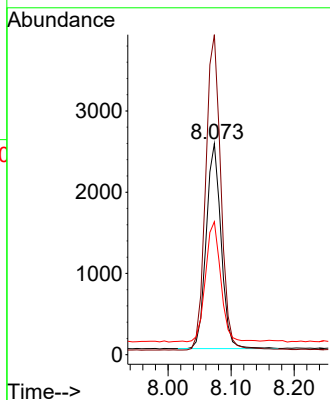
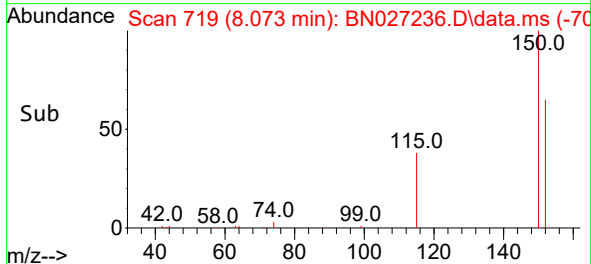


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.073 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BN027236.D
 Acq: 29 Aug 2023 11:48

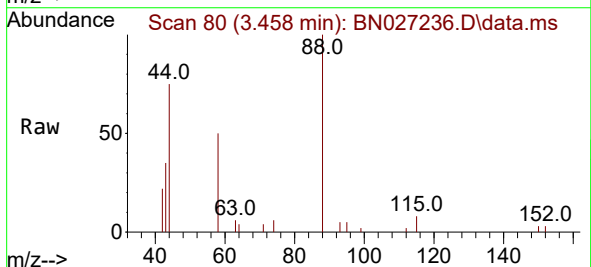
Instrument :
 BNA_N
 ClientSampleId :
 RE123D3-20230819



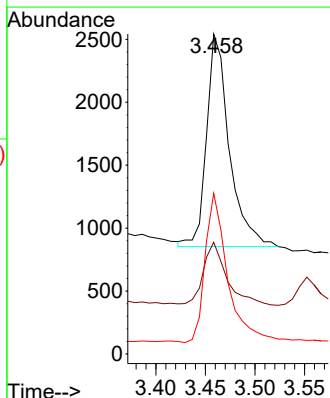
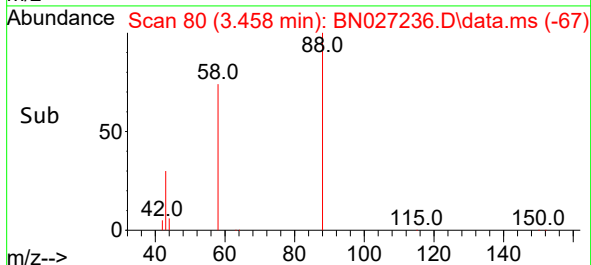
Tgt Ion:152 Resp: 4126
 Ion Ratio Lower Upper
 152 100
 150 151.7 122.7 184.1
 115 63.0 48.6 73.0



#2
 1,4-Dioxane
 Concen: 0.533 ng
 RT: 3.458 min Scan# 80
 Delta R.T. -0.007 min
 Lab File: BN027236.D
 Acq: 29 Aug 2023 11:48



Tgt Ion: 88 Resp: 2687
 Ion Ratio Lower Upper
 88 100
 43 30.8 19.1 28.7#
 58 69.9 52.2 78.2

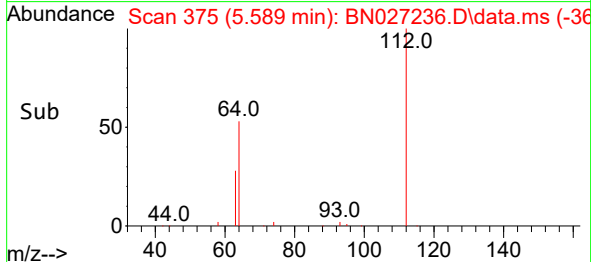
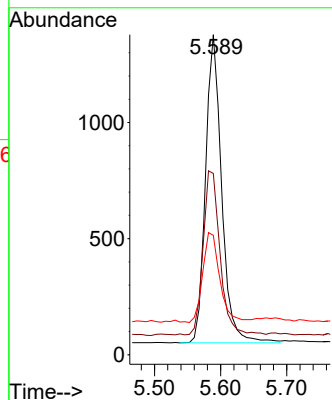
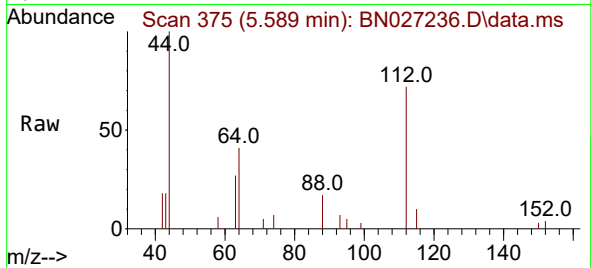




#4
2-Fluorophenol
Concen: 0.209 ng
RT: 5.589 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

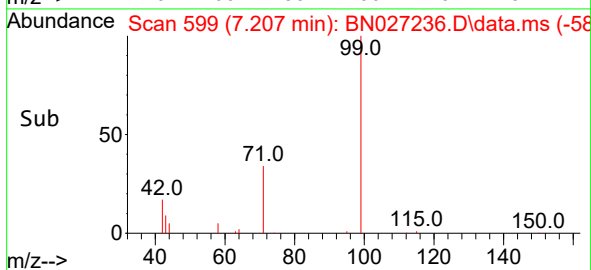
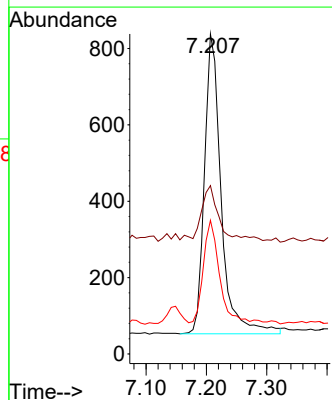
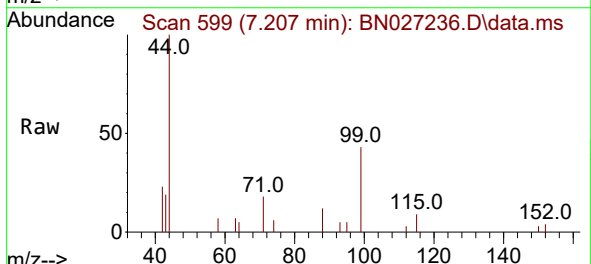
Instrument :
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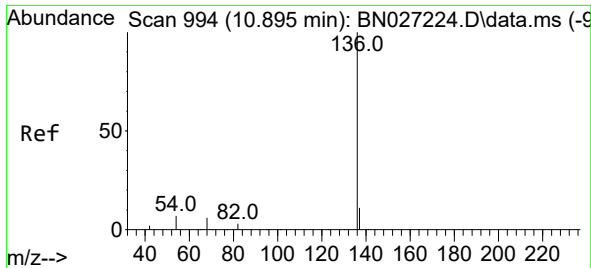
Tgt Ion:112 Resp: 2246
Ion Ratio Lower Upper
112 100
64 55.6 44.4 66.6
63 30.3 23.1 34.7



#5
Phenol-d6
Concen: 0.115 ng
RT: 7.207 min Scan# 599
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Tgt Ion: 99 Resp: 1509
Ion Ratio Lower Upper
99 100
42 20.0 14.5 21.7
71 32.9 25.8 38.6

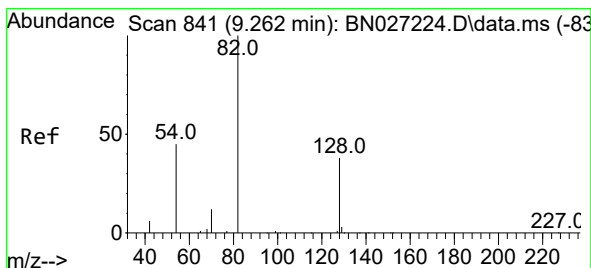
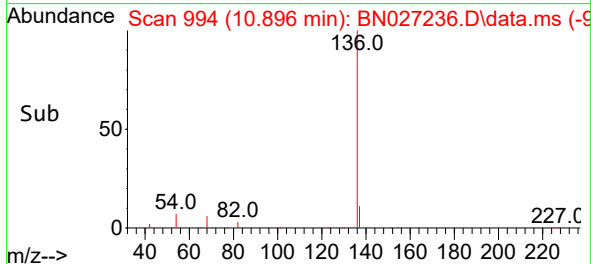
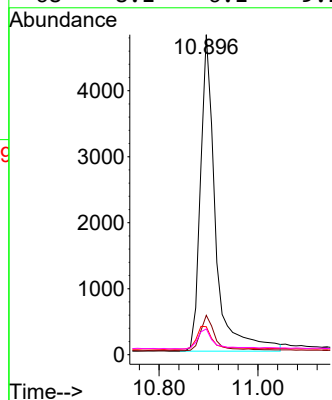
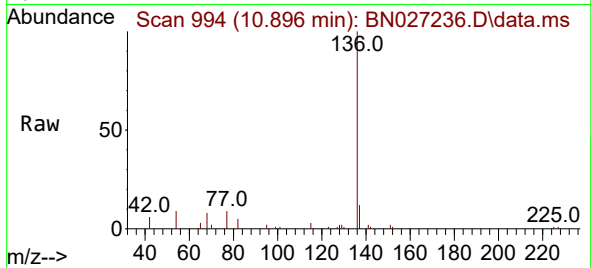




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.896 min Scan# 994
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

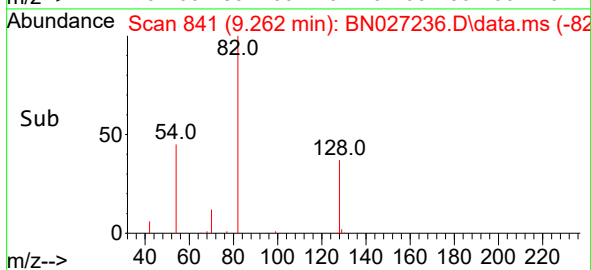
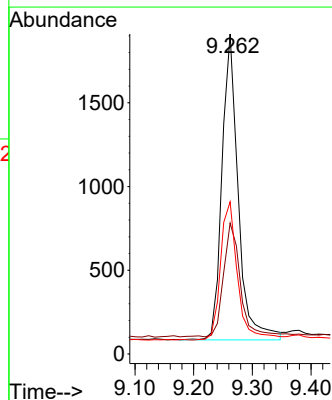
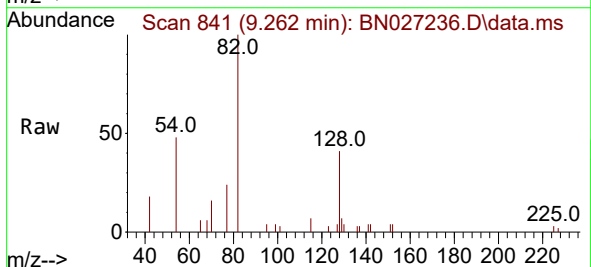
Instrument :
BNA_N
ClientSampleId :
RE123D3-20230819

Tgt Ion:	136	Resp:	10117
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.3	13.9
54	8.8	6.7	10.1
68	8.1	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.476 ng
RT: 9.262 min Scan# 841
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Tgt Ion:	82	Resp:	3509
Ion	Ratio	Lower	Upper
82	100		
128	40.9	33.4	50.0
54	47.6	37.7	56.5

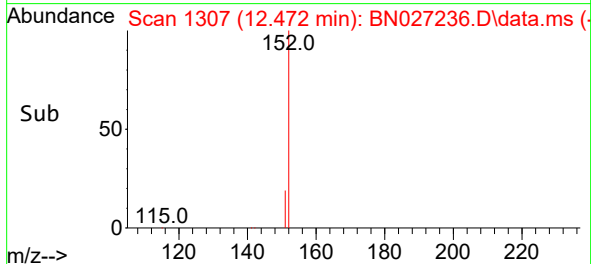
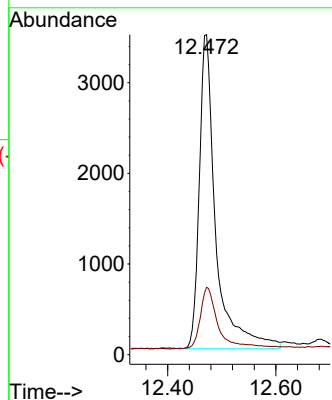
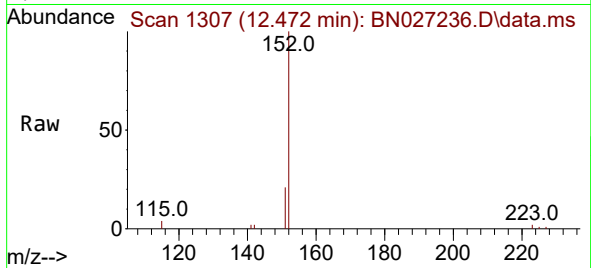




#11
2-Methylnaphthalene-d10
Concen: 0.493 ng
RT: 12.472 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

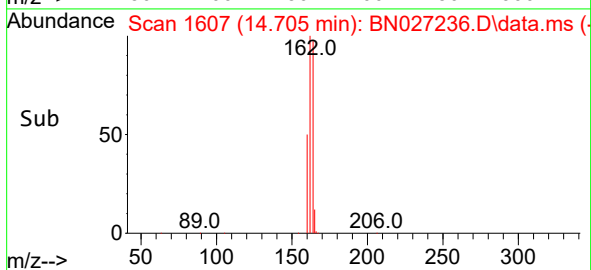
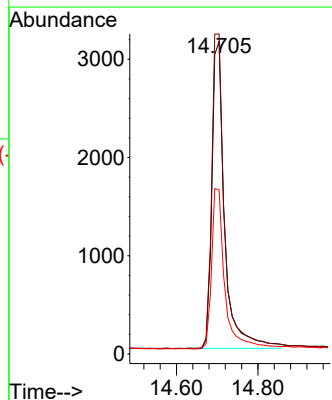
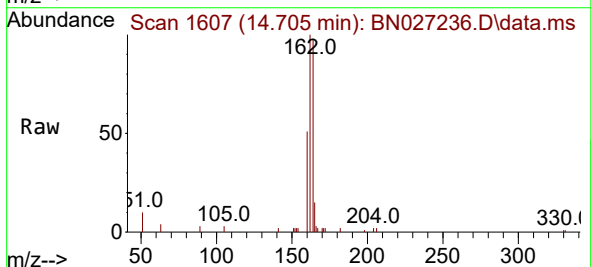
Instrument :
BNA_N
ClientSampleId :
RE123D3-20230819

Tgt Ion:152 Resp: 7325
Ion Ratio Lower Upper
152 100
151 21.1 16.6 25.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.705 min Scan# 1607
Delta R.T. 0.011 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

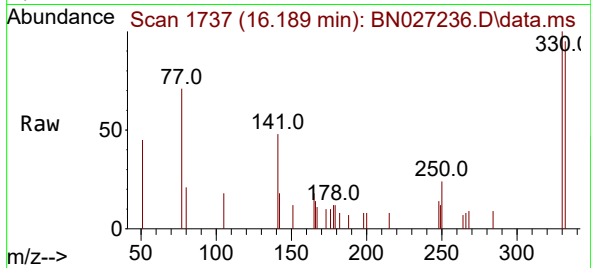
Tgt Ion:164 Resp: 6787
Ion Ratio Lower Upper
164 100
162 102.5 85.8 128.8
160 52.5 44.2 66.2



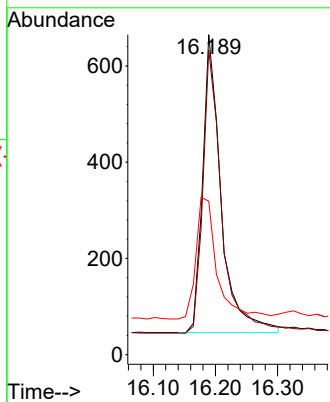
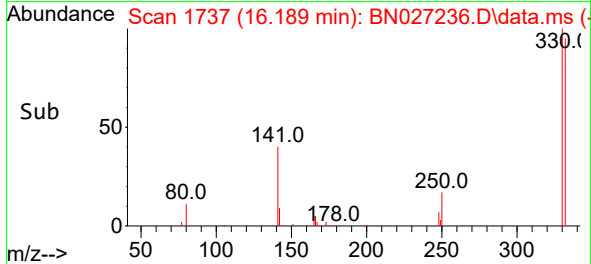


#14
2,4,6-Tribromophenol
Concen: 0.511 ng
RT: 16.189 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

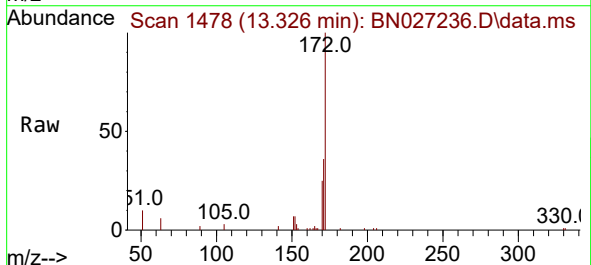
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BNA_N
ClientSampleId :
RE123D3-20230819



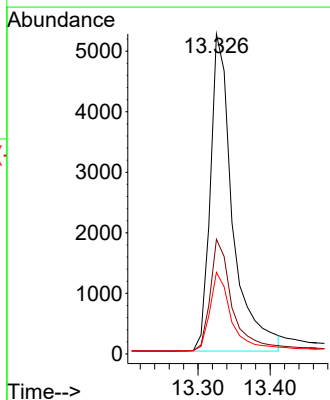
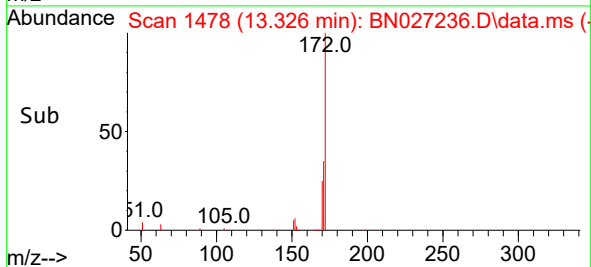
Tgt Ion:330 Resp: 1284
Ion Ratio Lower Upper
330 100
332 96.0 75.2 112.8
141 46.9 36.2 54.4

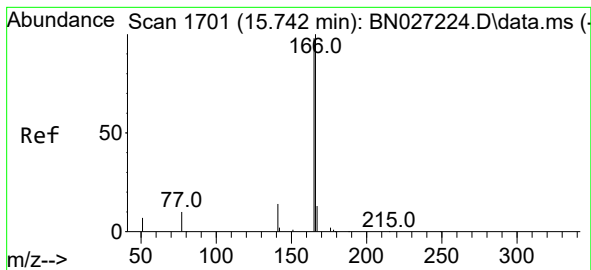


#15
2-Fluorobiphenyl
Concen: 0.437 ng
RT: 13.326 min Scan# 1478
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48



Tgt Ion:172 Resp: 11280
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.8
170 25.5 19.3 28.9





#18

Fluorene

Concen: 0.026 ng

RT: 15.742 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN027236.D

Acq: 29 Aug 2023 11:48

Instrument :

BNA_N

ClientSampleId :

RE123D3-20230819

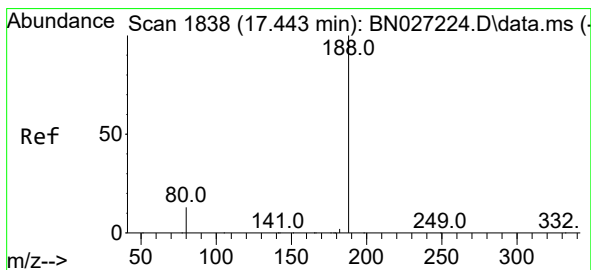
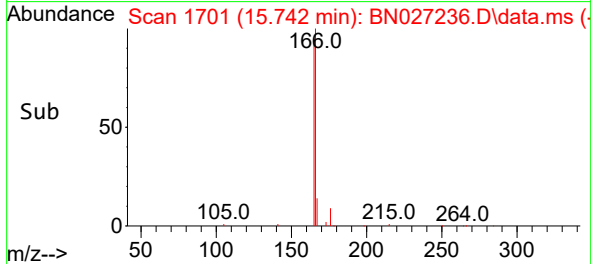
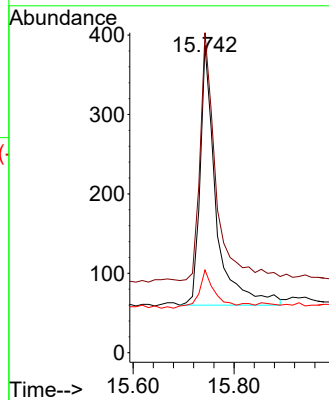
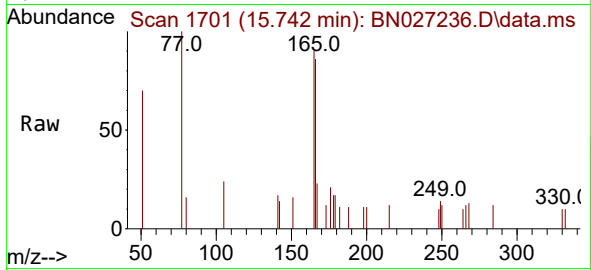
Tgt Ion:166 Resp: 716

Ion Ratio Lower Upper

166 100

165 95.9 79.0 118.4

167 14.8 10.8 16.2



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.443 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BN027236.D

Acq: 29 Aug 2023 11:48

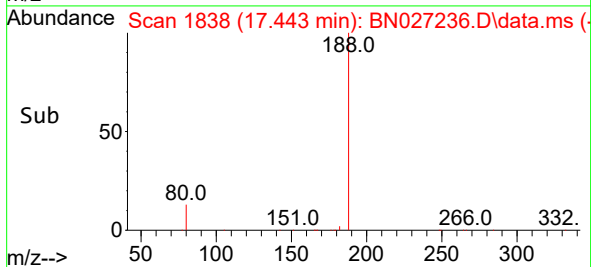
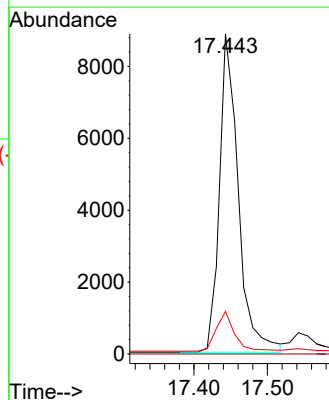
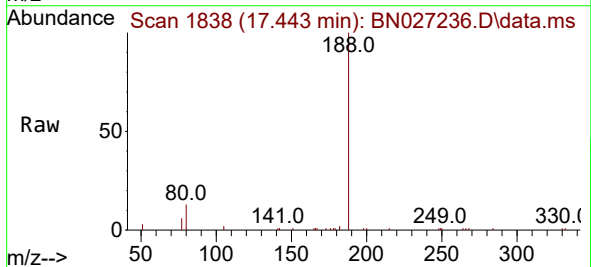
Tgt Ion:188 Resp: 15777

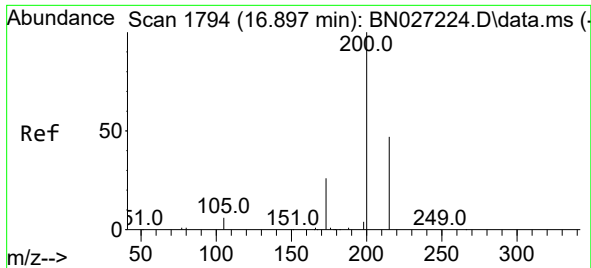
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.3 11.0 16.6

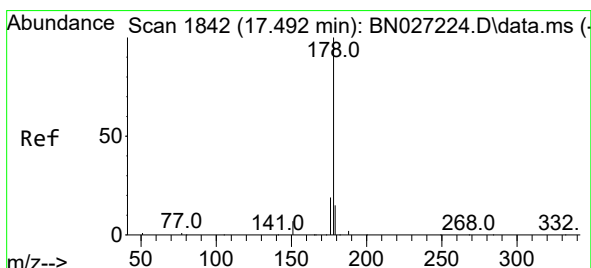
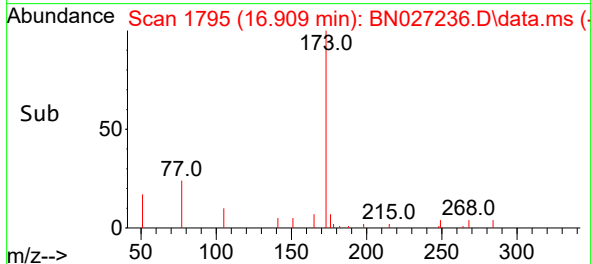
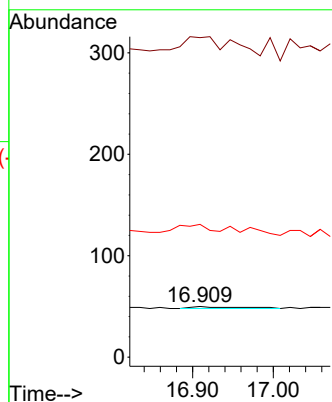
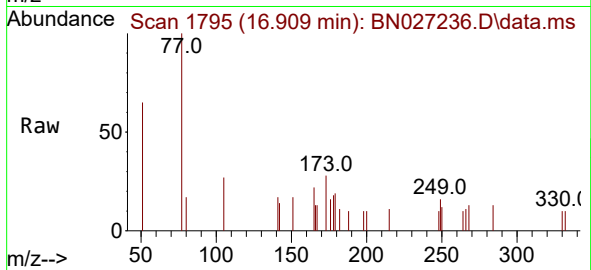




#20
4,6-Dinitro-2-methylphenol
Concen: 0.031 ng
RT: 16.909 min Scan# 1794
Delta R.T. 0.012 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

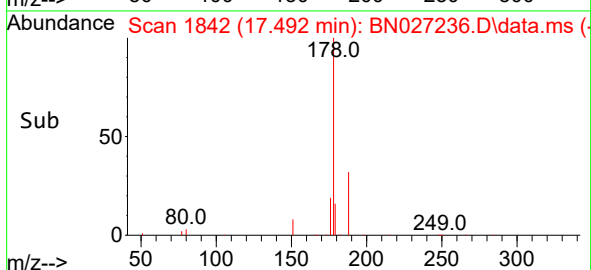
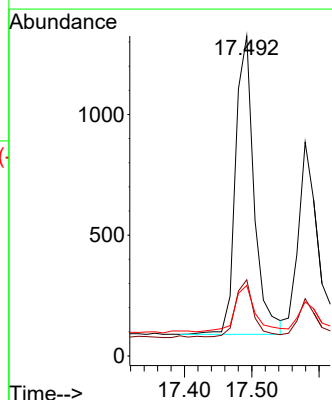
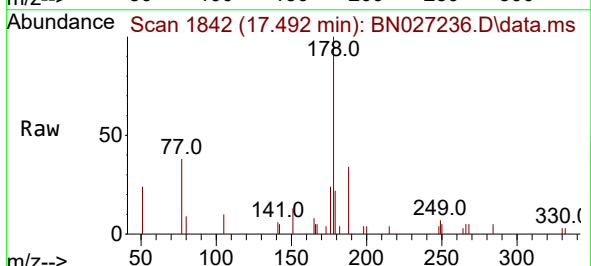
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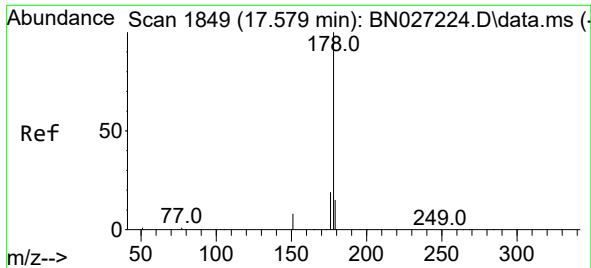
Tgt Ion:198 Resp: 7
Ion Ratio Lower Upper
198 100
51 630.0 282.2 423.2#
105 262.0 168.7 253.1#



#25
Phenanthrene
Concen: 0.051 ng
RT: 17.492 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Tgt Ion:178 Resp: 2379
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 16.9 12.3 18.5

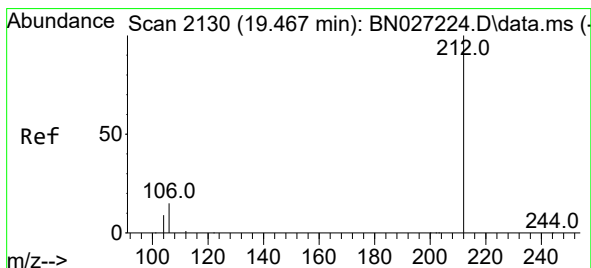
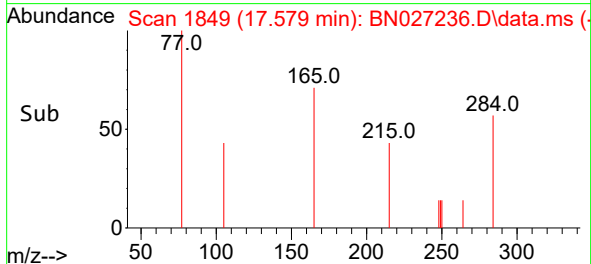
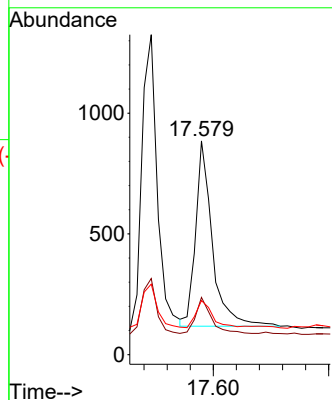
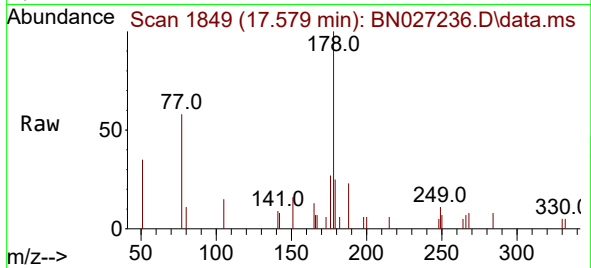




#26
 Anthracene
 Concen: 0.039 ng
 RT: 17.579 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN027236.D
 Acq: 29 Aug 2023 11:48

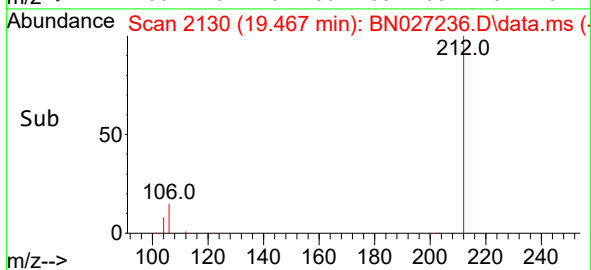
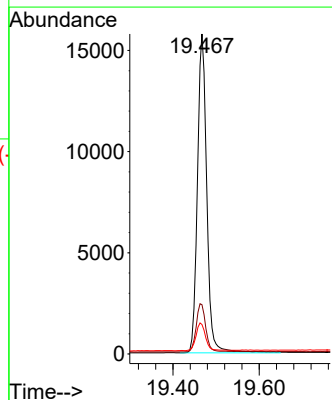
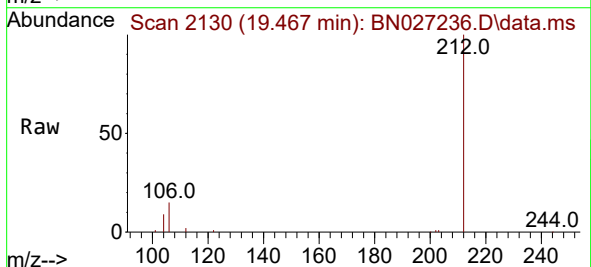
Instrument :
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 ClientSampleId :
 RE123D3-20230819

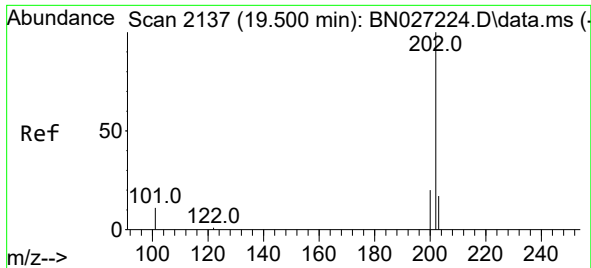
Tgt Ion:	178	Resp:	1548
Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.9	22.3
179	14.5	12.0	18.0



#27
 Fluoranthene-d10
 Concen: 0.605 ng
 RT: 19.467 min Scan# 2130
 Delta R.T. 0.000 min
 Lab File: BN027236.D
 Acq: 29 Aug 2023 11:48

Tgt Ion:	212	Resp:	23722
Ion	Ratio	Lower	Upper
212	100		
106	15.4	12.1	18.1
104	8.8	6.9	10.3

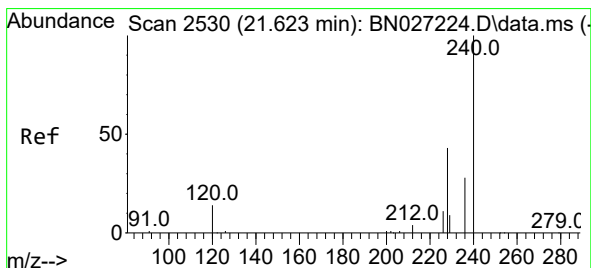
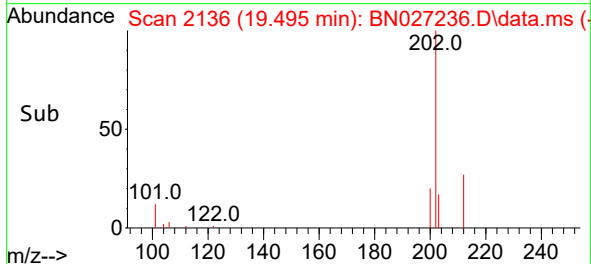
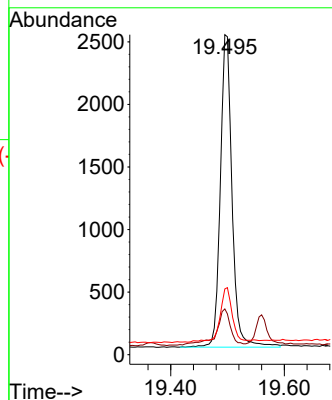
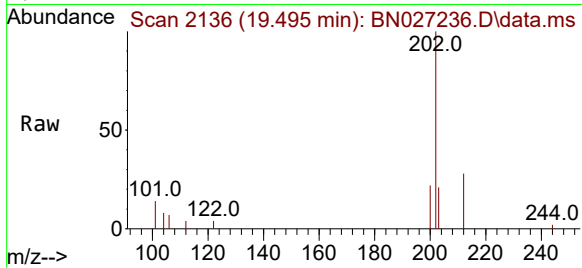




#28
Fluoranthene
Concen: 0.065 ng
RT: 19.495 min Scan# 2136
Delta R.T. -0.005 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

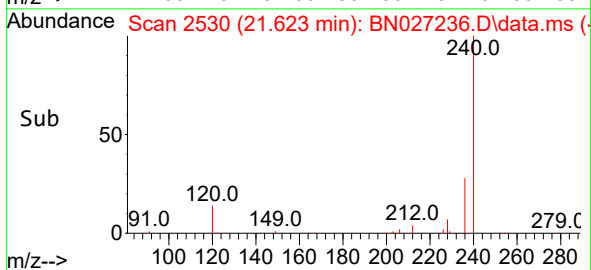
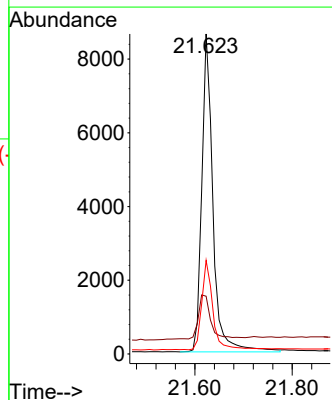
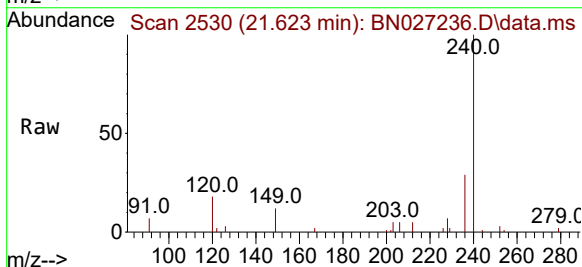
Instrument :
BNA_N
ClientSampleId :
RE123D3-20230819

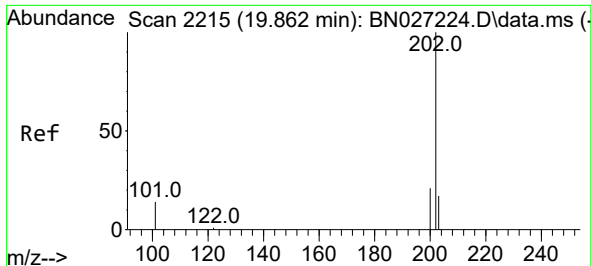
Tgt Ion:202 Resp: 3574
Ion Ratio Lower Upper
202 100
101 14.5 9.6 14.4#
203 18.1 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.623 min Scan# 2530
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Tgt Ion:240 Resp: 13668
Ion Ratio Lower Upper
240 100
120 18.0 14.2 21.4
236 29.3 22.9 34.3

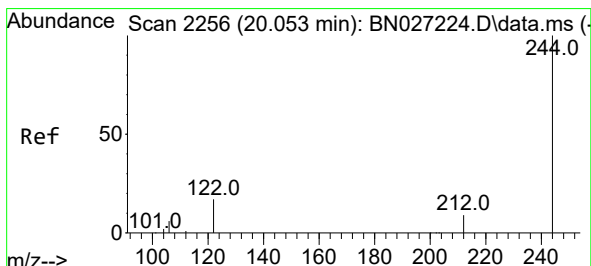
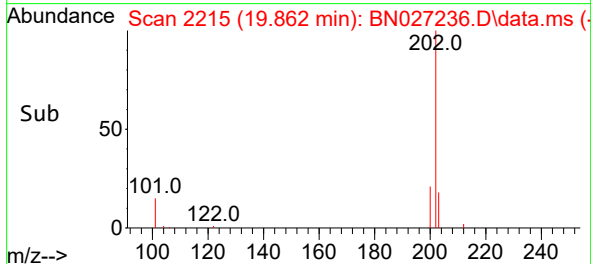
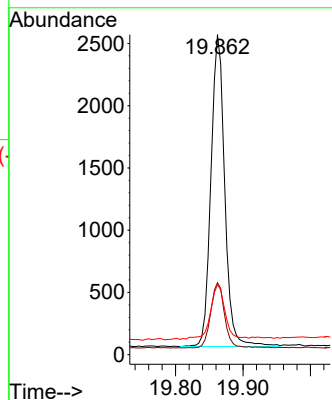
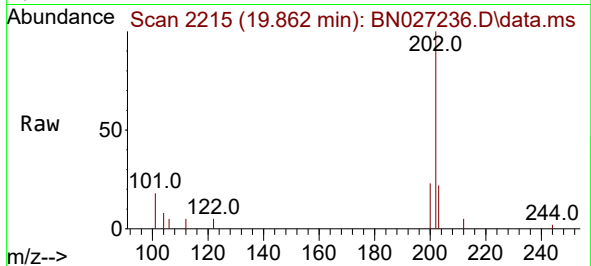




#30
Pyrene
Concen: 0.066 ng
RT: 19.862 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

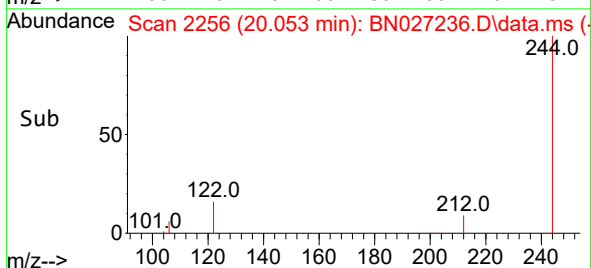
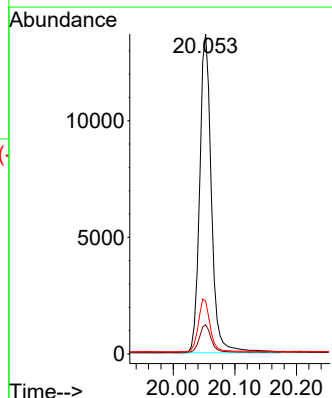
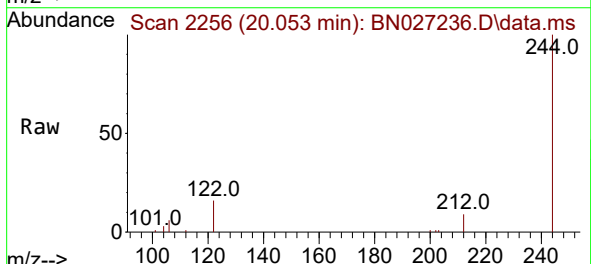
Instrument :
BNA_N
ClientSampleId :
RE123D3-20230819

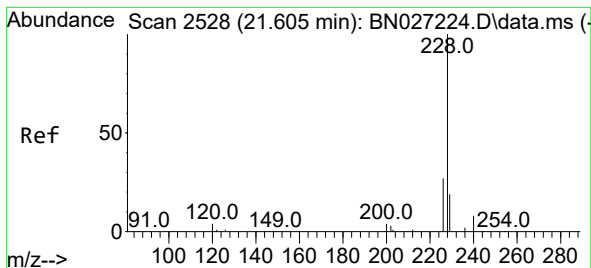
Tgt Ion:202 Resp: 3561
Ion Ratio Lower Upper
202 100
200 21.1 16.6 25.0
203 18.8 14.2 21.4



#31
Terphenyl-d14
Concen: 0.663 ng
RT: 20.053 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Tgt Ion:244 Resp: 18195
Ion Ratio Lower Upper
244 100
212 9.1 7.5 11.3
122 16.5 14.0 21.0





#32

Benzo(a)anthracene

Concen: 0.054 ng

RT: 21.605 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027236.D

Acq: 29 Aug 2023 11:48

Instrument :

BNA_N

ClientSampleId :

RE123D3-20230819

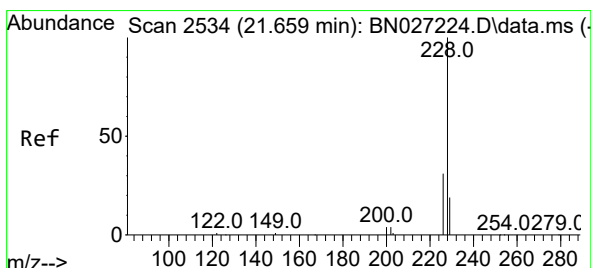
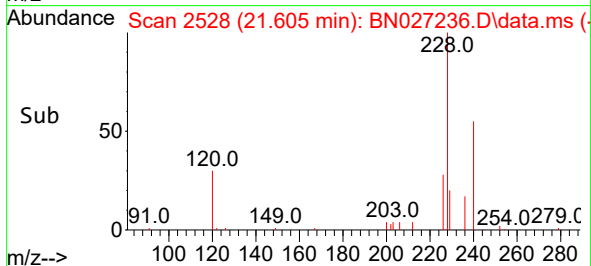
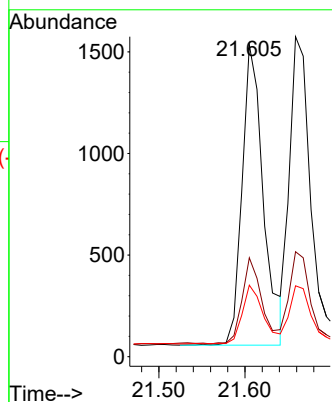
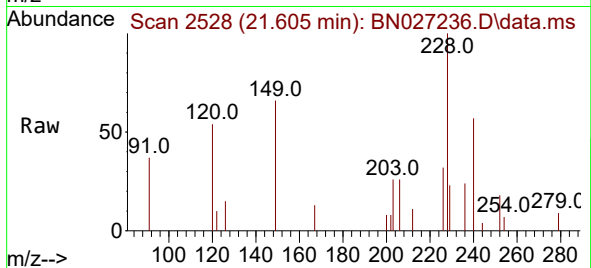
Tgt Ion:228 Resp: 2539

Ion Ratio Lower Upper

228 100

226 31.7 21.9 32.9

229 22.9 15.7 23.5



#33

Chrysene

Concen: 0.050 ng

RT: 21.659 min Scan# 2534

Delta R.T. 0.000 min

Lab File: BN027236.D

Acq: 29 Aug 2023 11:48

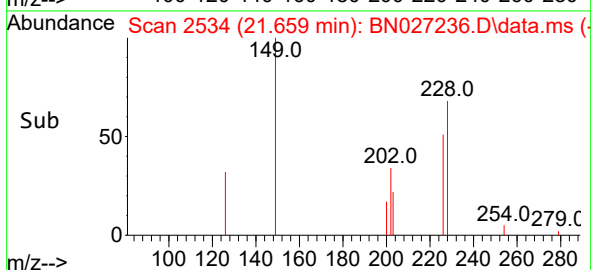
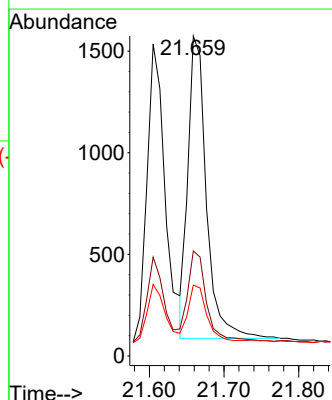
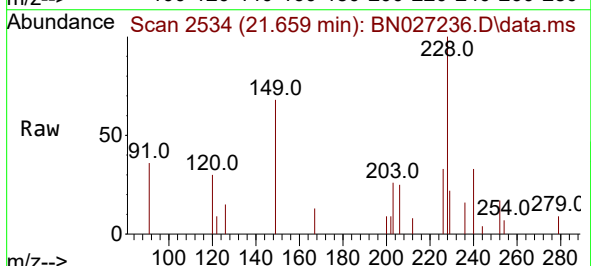
Tgt Ion:228 Resp: 2552

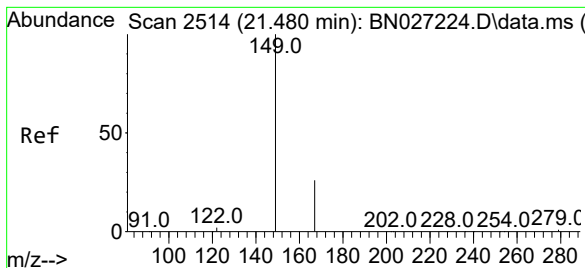
Ion Ratio Lower Upper

228 100

226 32.8 24.3 36.5

229 22.2 15.4 23.2

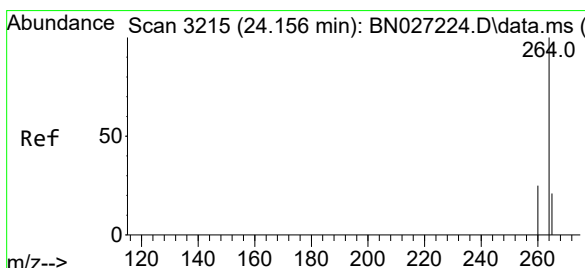
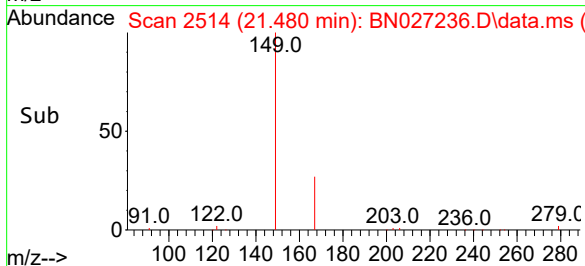
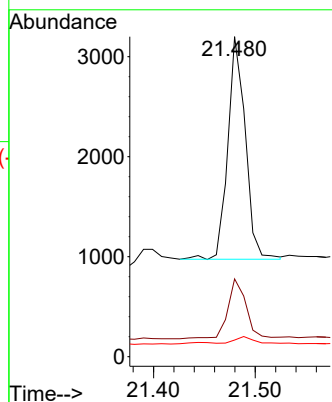
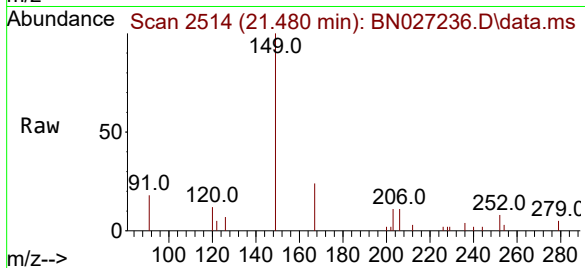




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.117 ng
 RT: 21.480 min Scan# 2148
 Delta R.T. 0.000 min
 Lab File: BN027236.D
 Acq: 29 Aug 2023 11:48

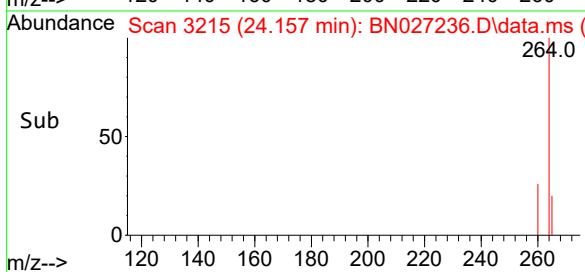
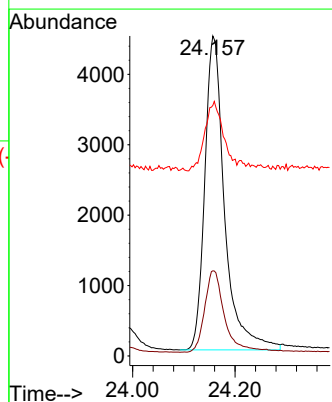
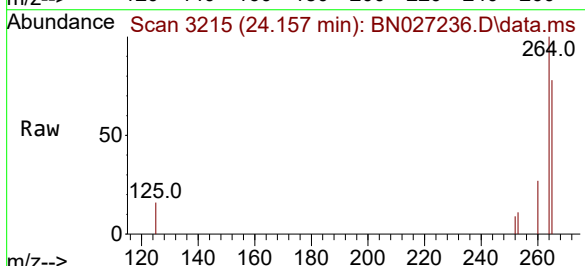
Instrument :
 BNA_N
 ClientSampleId :
 RE123D3-20230819

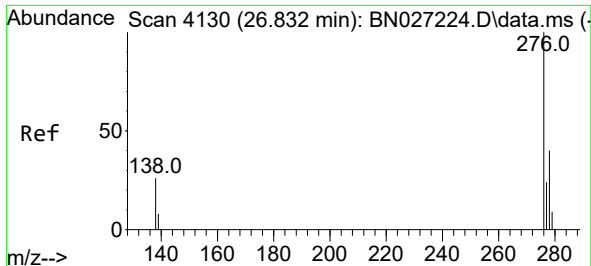
Tgt Ion:149 Resp: 2654
 Ion Ratio Lower Upper
 149 100
 167 28.5 22.1 33.1
 279 3.7 2.7 4.1



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.157 min Scan# 3215
 Delta R.T. 0.000 min
 Lab File: BN027236.D
 Acq: 29 Aug 2023 11:48

Tgt Ion:264 Resp: 12018
 Ion Ratio Lower Upper
 264 100
 260 26.6 20.7 31.1
 265 78.3 53.3 79.9

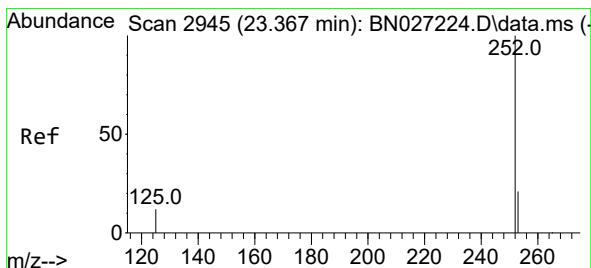
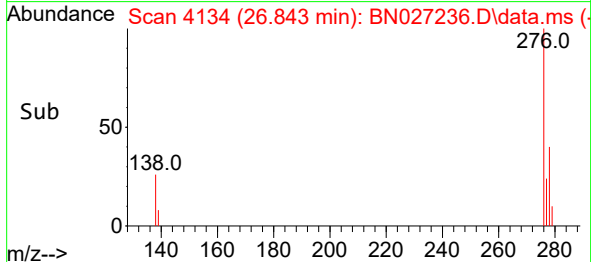
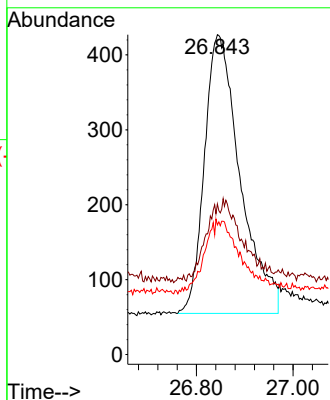
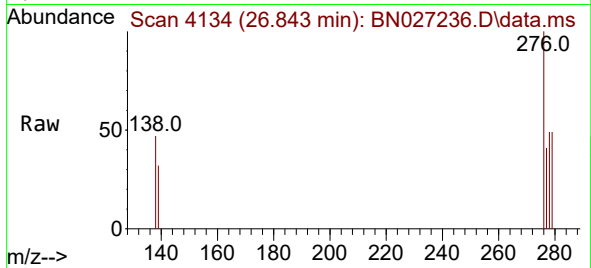




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.039 ng
 RT: 26.843 min Scan# 4130
 Delta R.T. 0.012 min
 Lab File: BN027236.D
 Acq: 29 Aug 2023 11:48

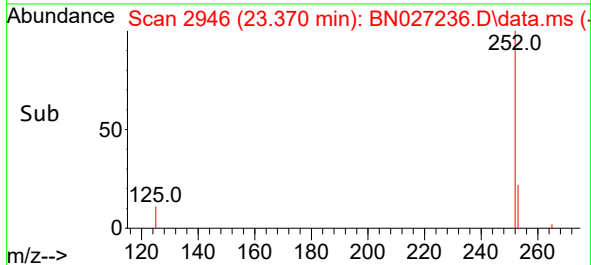
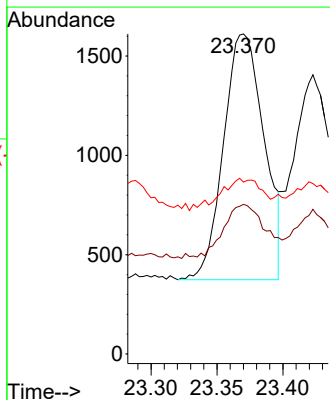
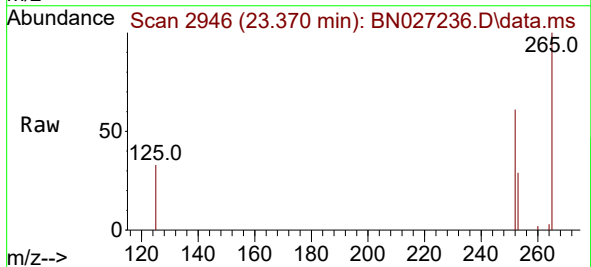
Instrument :
 BNA_N
 ClientSampleId :
 RE123D3-20230819

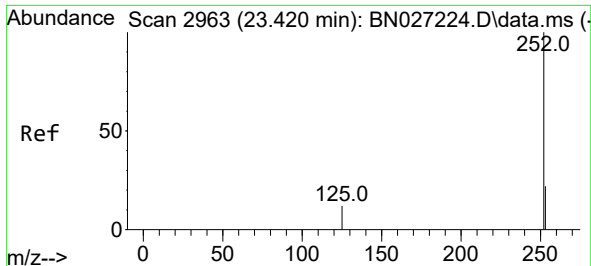
Tgt Ion:276 Resp: 1913
 Ion Ratio Lower Upper
 276 100
 138 7.7 23.4 35.2#
 277 8.5 19.8 29.8#



#37
 Benzo(b)fluoranthene
 Concen: 0.057 ng
 RT: 23.370 min Scan# 2946
 Delta R.T. 0.003 min
 Lab File: BN027236.D
 Acq: 29 Aug 2023 11:48

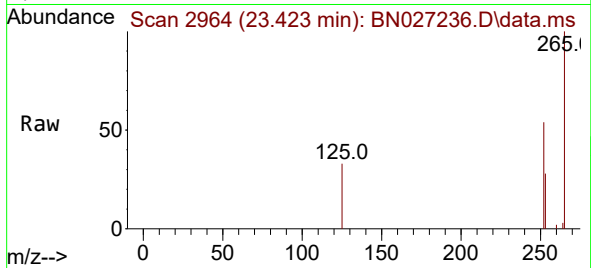
Tgt Ion:252 Resp: 2642
 Ion Ratio Lower Upper
 252 100
 253 46.7 19.9 29.9#
 125 53.7 13.8 20.6#



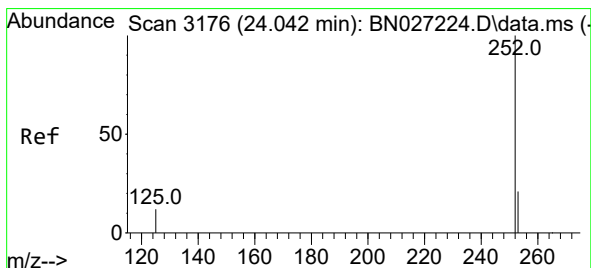
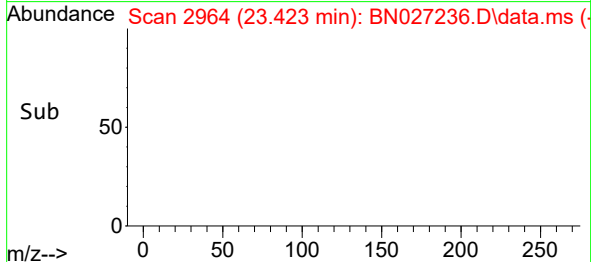
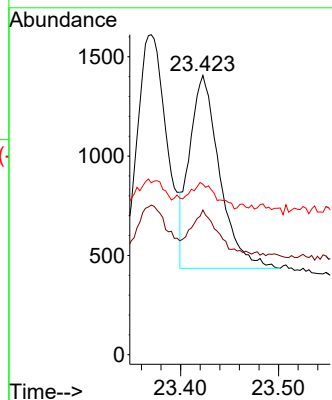


#38
Benzo(k)fluoranthene
Concen: 0.043 ng
RT: 23.423 min Scan# 2963
Delta R.T. 0.003 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Instrument :
BNA_N
ClientSampleId :
RE123D3-20230819

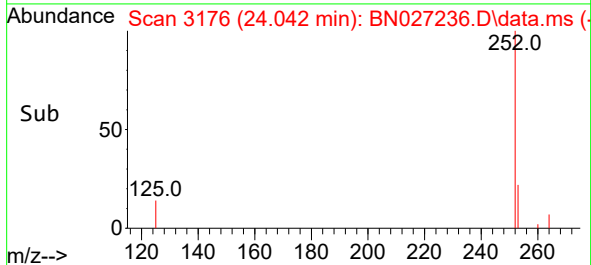
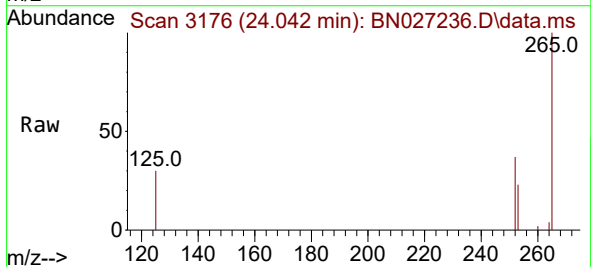
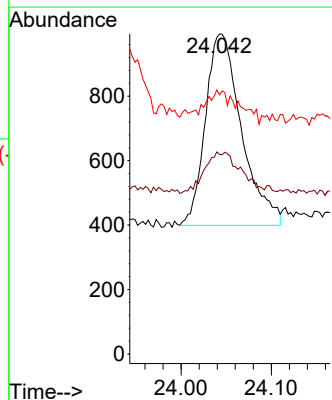


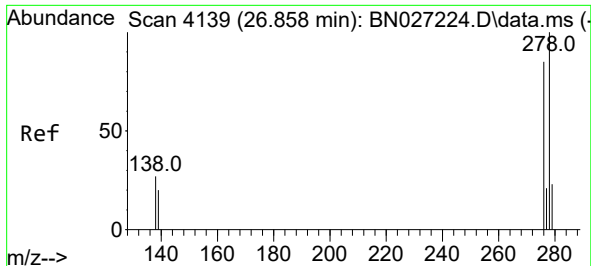
Tgt Ion:252 Resp: 2078
Ion Ratio Lower Upper
252 100
253 51.8 20.2 30.2#
125 61.0 14.1 21.1#



#39
Benzo(a)pyrene
Concen: 0.038 ng
RT: 24.042 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Tgt Ion:252 Resp: 1658
Ion Ratio Lower Upper
252 100
253 62.3 21.4 32.0#
125 81.0 16.5 24.7#

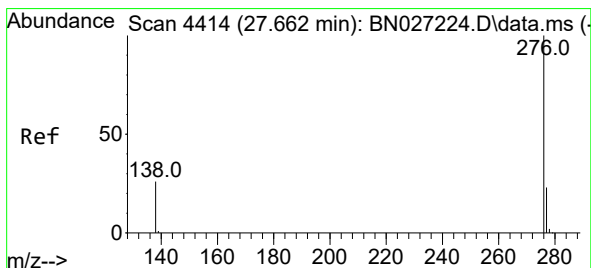
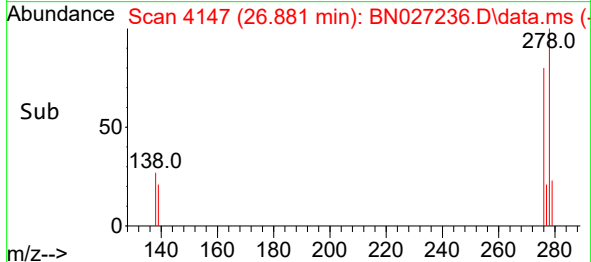
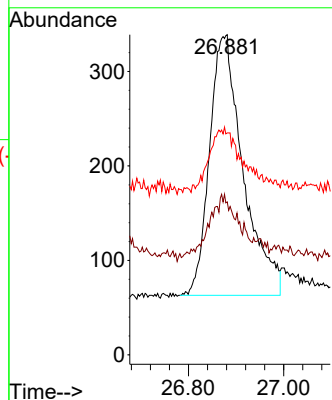
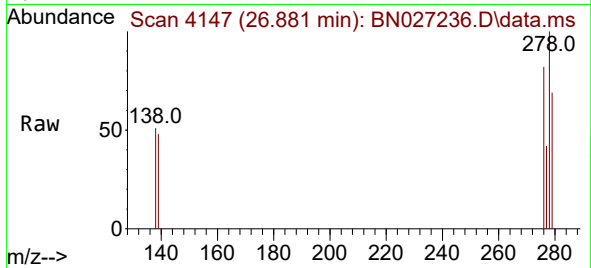




#40
Dibenzo(a,h)anthracene
Concen: 0.035 ng
RT: 26.881 min Scan# 4139
Delta R.T. 0.023 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Instrument :
BNA_N
ClientSampleId :
RE123D3-20230819

Tgt Ion:278 Resp: 1353
Ion Ratio Lower Upper
278 100
139 47.8 17.9 26.9#
279 69.3 21.8 32.6#



#41
Benzo(g,h,i)perylene
Concen: 0.038 ng
RT: 27.674 min Scan# 4418
Delta R.T. 0.012 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Tgt Ion:276 Resp: 1666
Ion Ratio Lower Upper
276 100
277 41.7 19.6 29.4#
138 46.3 22.1 33.1#

