

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
 Data File : BN028232.D
 Acq On : 11 Oct 2023 14:48
 Operator : MA/JU
 Sample : PB156212BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB156212BL

Quant Time: Oct 11 15:16:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 00:42:22 2023
 Response via : Initial Calibration

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

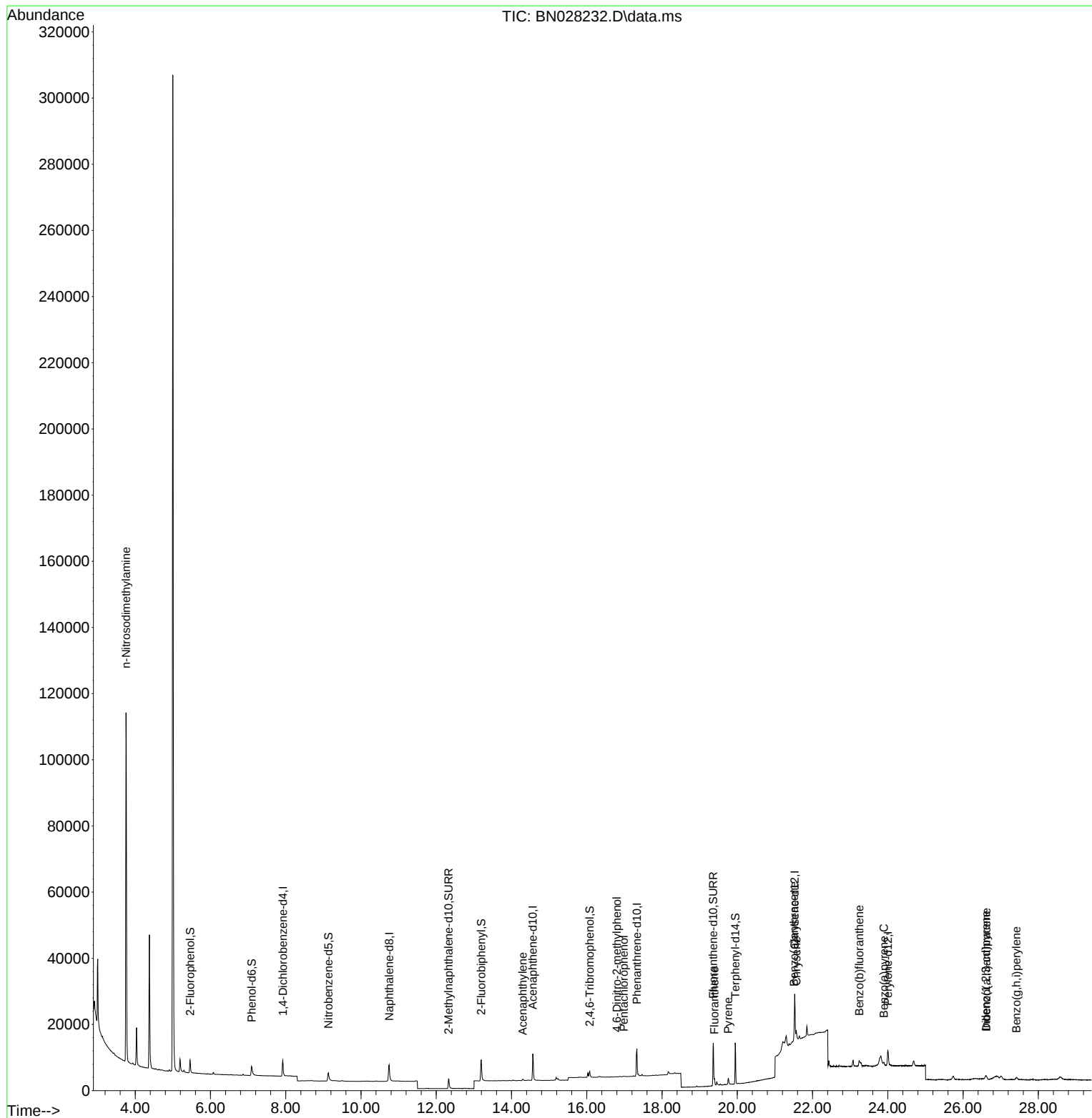
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	2754	0.400	ng	0.00
7) Naphthalene-d8	10.746	136	8852	0.400	ng	0.01
13) Acenaphthene-d10	14.566	164	5237	0.400	ng	0.00
19) Phenanthrene-d10	17.331	188	12351	0.400	ng	# 0.01
29) Chrysene-d12	21.524	240	12601	0.400	ng	# 0.00
35) Perylene-d12	24.001	264	6930	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.459	112	3606	0.439	ng	0.00
5) Phenol-d6	7.091	99	4271	0.412	ng	0.00
8) Nitrobenzene-d5	9.134	82	3050	0.405	ng	0.01
11) 2-Methylnaphthalene-d10	12.328	152	5467	0.417	ng	0.00
14) 2,4,6-Tribromophenol	16.077	330	1209	0.504	ng	0.00
15) 2-Fluorobiphenyl	13.197	172	7553	0.400	ng	0.01
27) Fluoranthene-d10	19.360	212	14507	0.468	ng	0.00
31) Terphenyl-d14	19.946	244	12353	0.420	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.754	42	4017	1.135	ng	# 1
16) Acenaphthylene	14.298	152	643	0.028	ng	97
20) 4,6-Dinitro-2-methylph...	16.797	198	5	0.030	ng	# 1
24) Pentachlorophenol	16.983	266	101	0.032	ng	# 50
28) Fluoranthene	19.393	202	2265	0.059	ng	# 94
30) Pyrene	19.760	202	2176	0.047	ng	99
32) Benzo(a)anthracene	21.506	228	2342	0.055	ng	# 47
33) Chrysene	21.569	228	2625	0.064	ng	# 55
36) Indeno(1,2,3-cd)pyrene	26.606	276	1713	0.073	ng	# 85
37) Benzo(b)fluoranthene	23.241	252	3171	0.142	ng	# 1
39) Benzo(a)pyrene	23.893	252	1297	0.061	ng	# 1
40) Dibenzo(a,h)anthracene	26.618	278	1006	0.053	ng	# 1
41) Benzo(g,h,i)perylene	27.419	276	1532	0.078	ng	# 7

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

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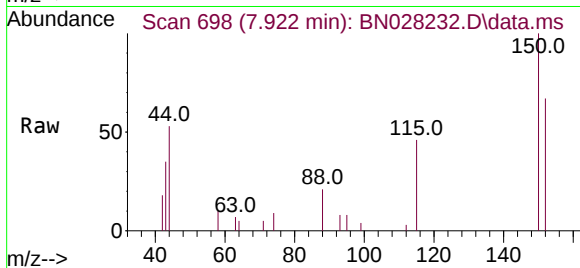
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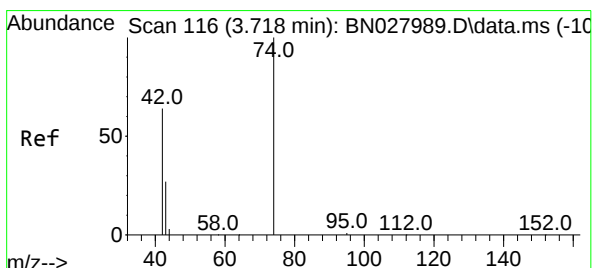
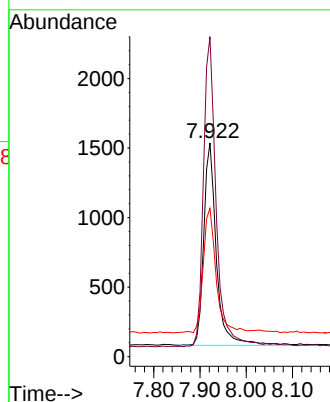
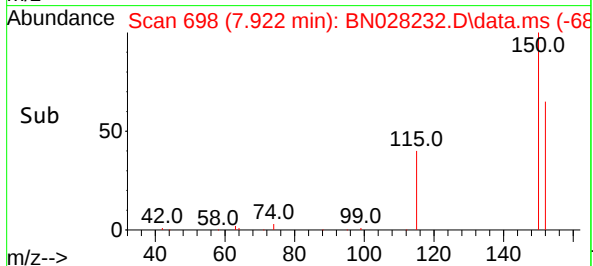


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

Instrument :
BNA_N
ClientSampleId :
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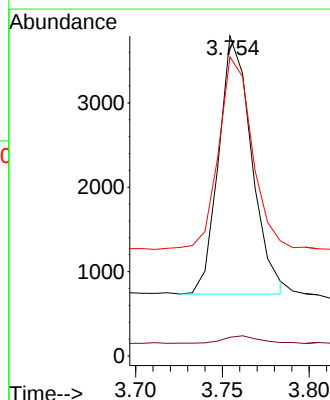
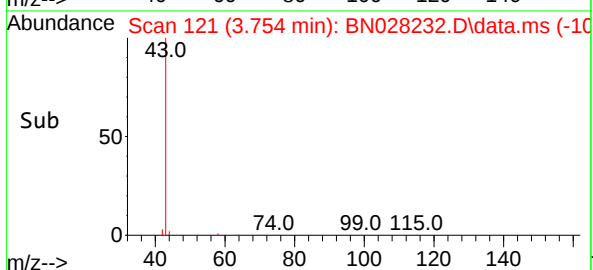
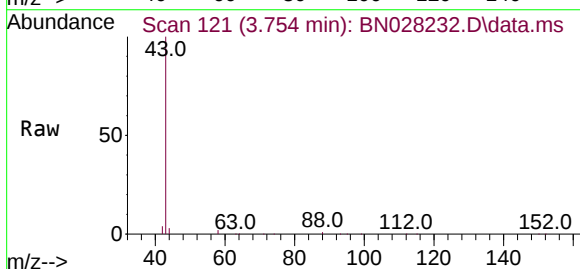


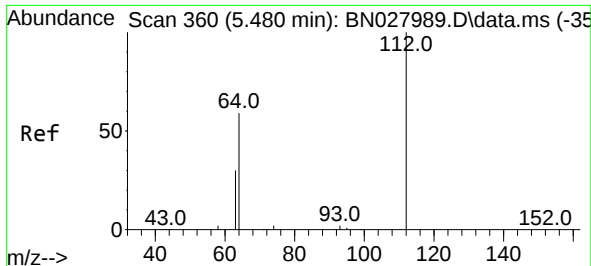
Tgt Ion:152 Resp: 2754
Ion Ratio Lower Upper
152 100
150 149.7 125.6 188.4
115 69.4 54.8 82.2



#3
n-Nitrosodimethylamine
Concen: 1.135 ng
RT: 3.754 min Scan# 121
Delta R.T. 0.043 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

Tgt Ion: 42 Resp: 4017
Ion Ratio Lower Upper
42 100
74 3.0 115.9 173.9#
44 76.1 8.0 12.0#

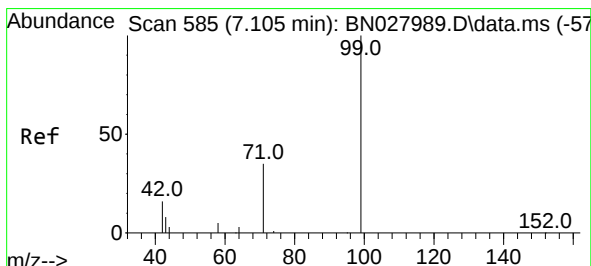
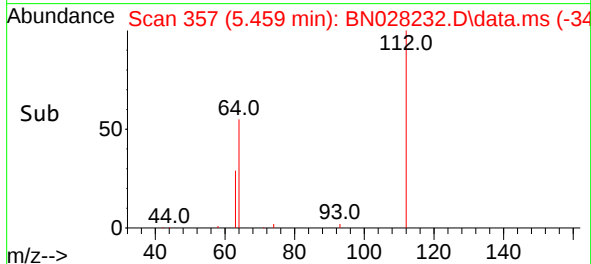
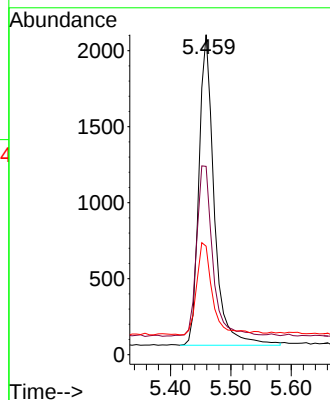
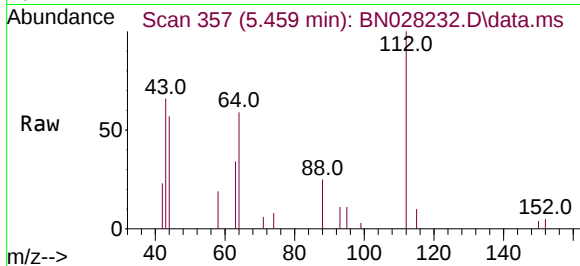




#4
2-Fluorophenol
Concen: 0.439 ng
RT: 5.459 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

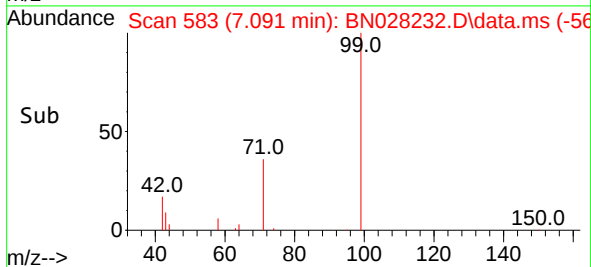
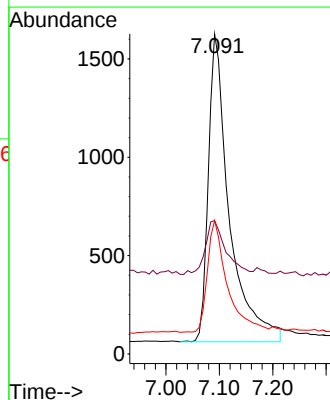
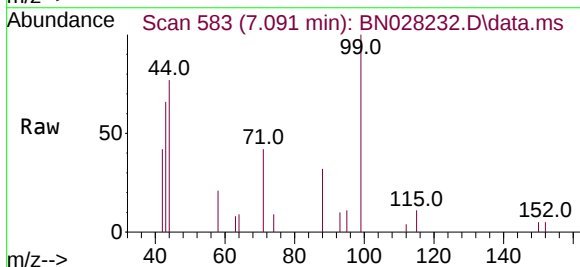
Instrument :
BNA_N
ClientSampleId :
PB156212BL

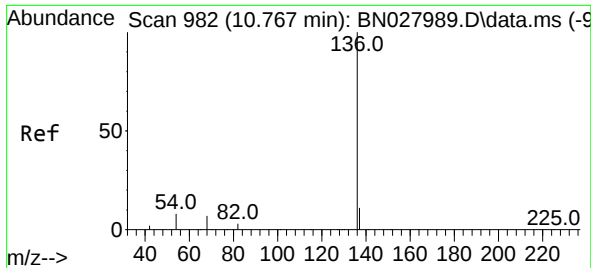
Tgt Ion:112 Resp: 3606
Ion Ratio Lower Upper
112 100
64 57.6 45.0 67.6
63 30.2 23.4 35.0



#5
Phenol-d6
Concen: 0.412 ng
RT: 7.091 min Scan# 583
Delta R.T. -0.000 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

Tgt Ion: 99 Resp: 4271
Ion Ratio Lower Upper
99 100
42 17.2 14.6 22.0
71 34.2 28.3 42.5

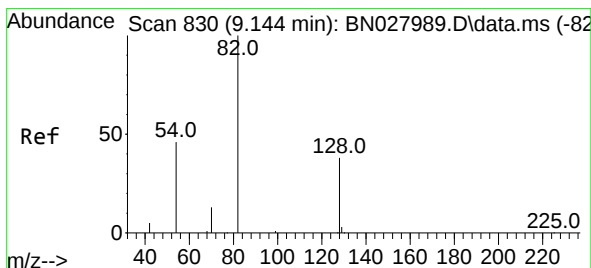
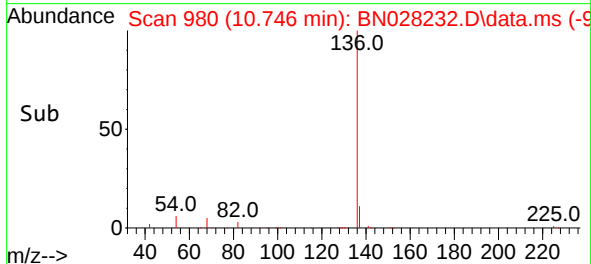
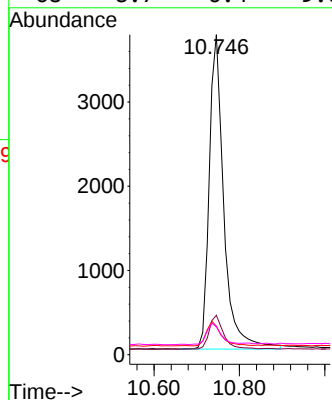
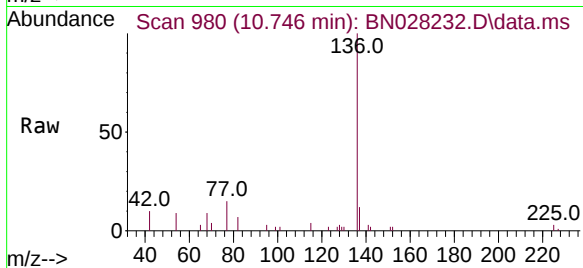




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.746 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

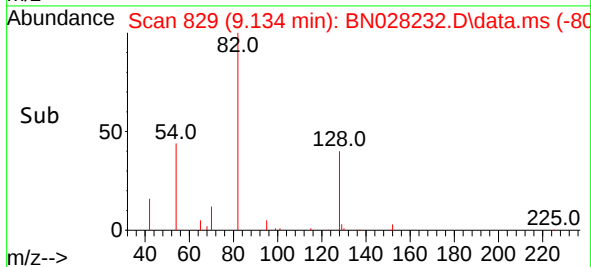
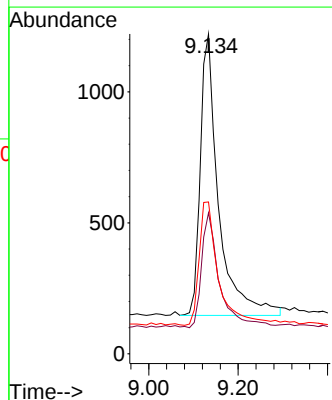
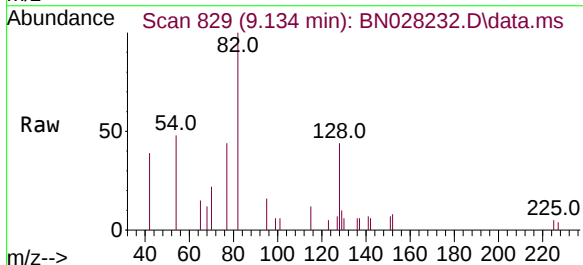
Instrument :
BNA_N
ClientSampleId :
PB156212BL

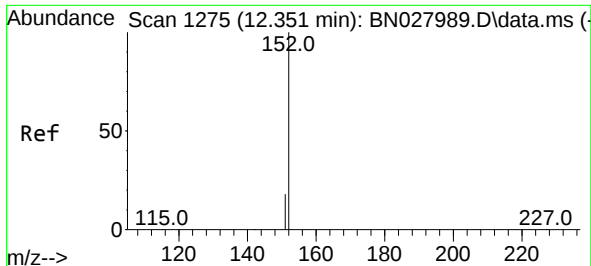
Tgt Ion:	136	Resp:	8852
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.4	14.0
54	8.9	7.0	10.6
68	8.7	6.4	9.6



#8
Nitrobenzene-d5
Concen: 0.405 ng
RT: 9.134 min Scan# 829
Delta R.T. 0.011 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

Tgt Ion:	82	Resp:	3050
Ion	Ratio	Lower	Upper
82	100		
128	44.1	32.7	49.1
54	47.5	38.7	58.1

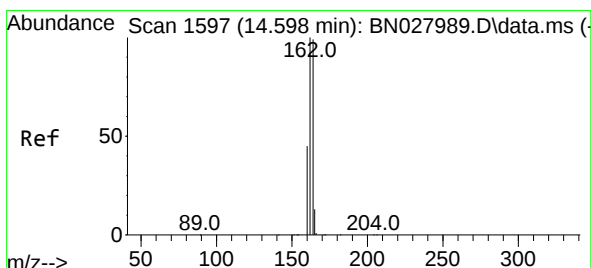
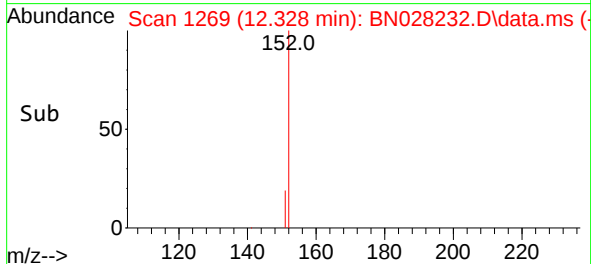
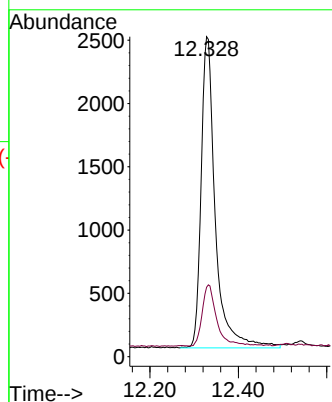
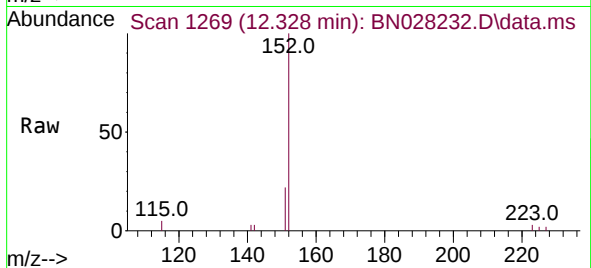




#11
2-Methylnaphthalene-d10
Concen: 0.417 ng
RT: 12.328 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

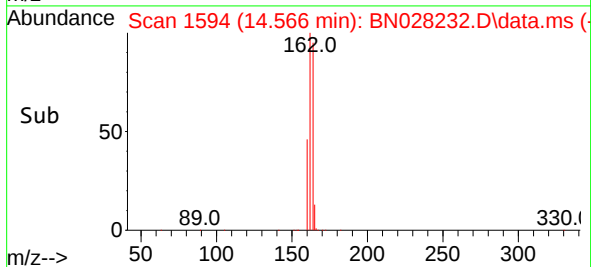
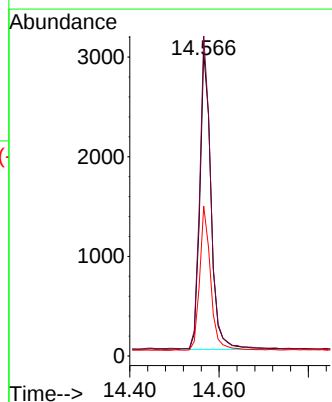
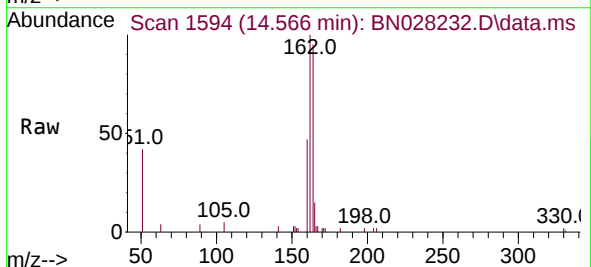
Instrument :
BNA_N
ClientSampleId :
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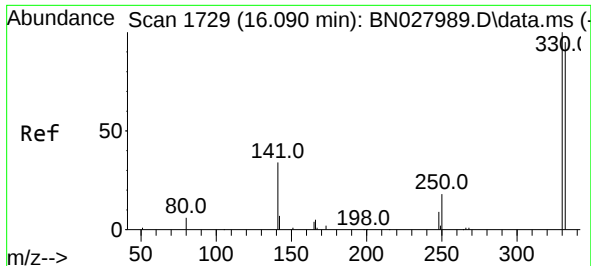
Tgt Ion:152 Resp: 5467
Ion Ratio Lower Upper
152 100
151 20.0 16.5 24.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

Tgt Ion:164 Resp: 5237
Ion Ratio Lower Upper
164 100
162 105.2 80.8 121.2
160 49.2 36.4 54.6

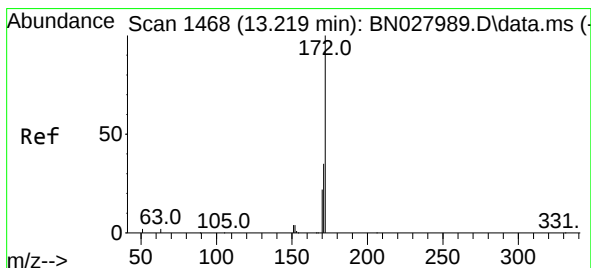
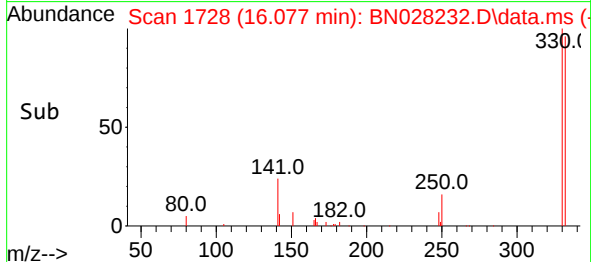
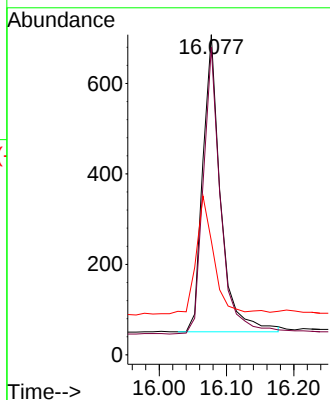
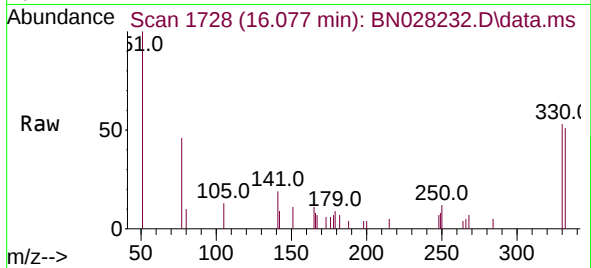




#14
2,4,6-Tribromophenol
Concen: 0.504 ng
RT: 16.077 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

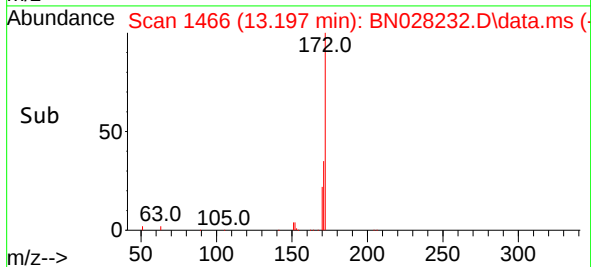
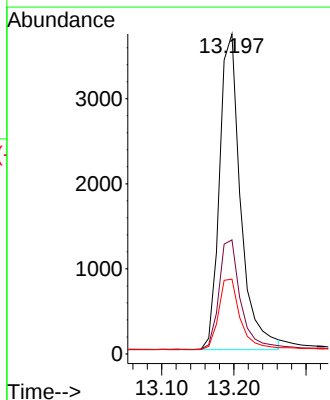
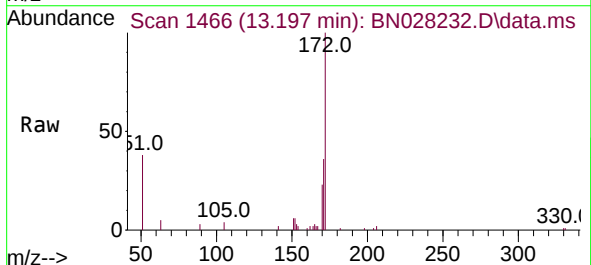
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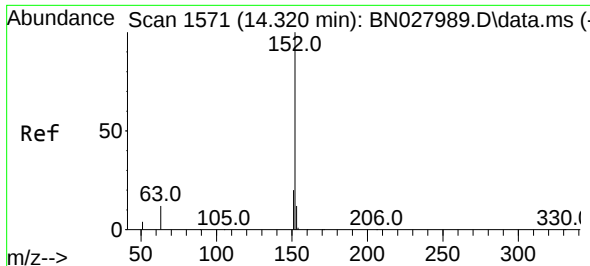
Tgt Ion:330 Resp: 1209
Ion Ratio Lower Upper
330 100
332 95.0 78.1 117.1
141 39.0 33.4 50.2



#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 13.197 min Scan# 1466
Delta R.T. 0.011 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

Tgt Ion:172 Resp: 7553
Ion Ratio Lower Upper
172 100
171 35.6 28.1 42.1
170 23.4 18.4 27.6

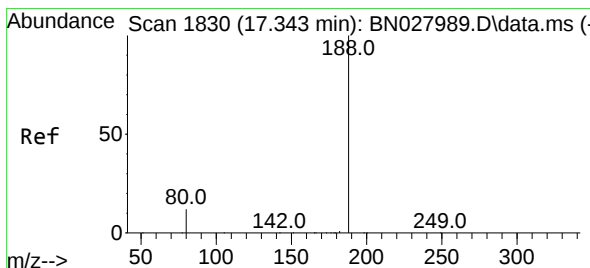
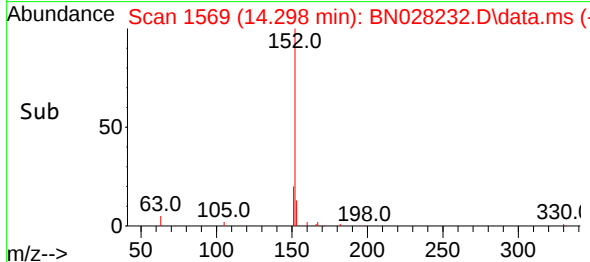
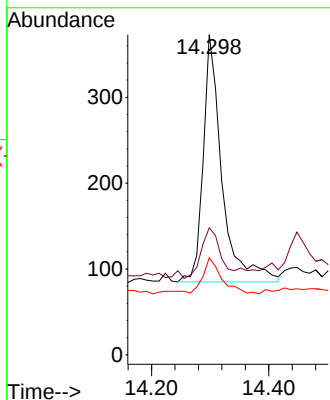
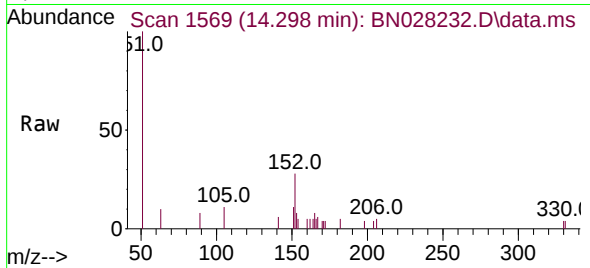




#16
Acenaphthylene
Concen: 0.028 ng
RT: 14.298 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

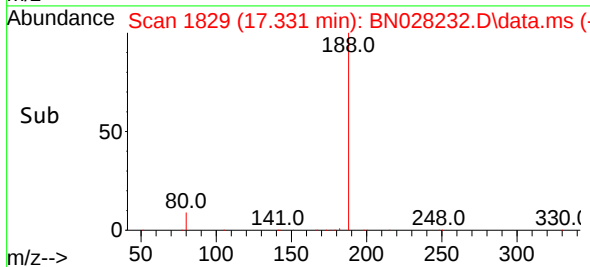
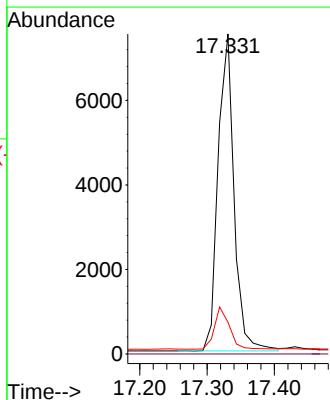
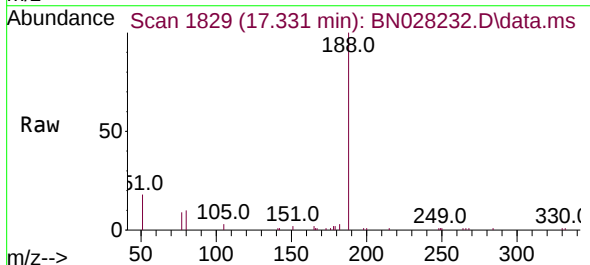
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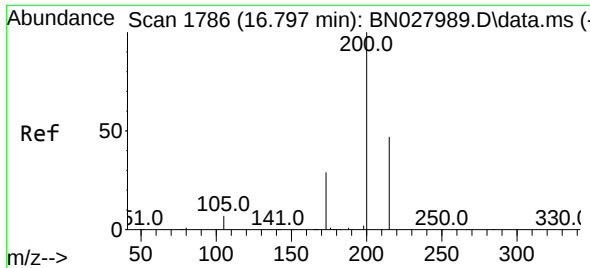
Tgt Ion:	152	Resp:	643
Ion Ratio	Lower	Upper	
152	100		
151	20.8	15.8	23.6
153	14.5	10.2	15.4



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.331 min Scan# 1829
Delta R.T. 0.012 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

Tgt Ion:	188	Resp:	12351
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.9	10.2	15.4

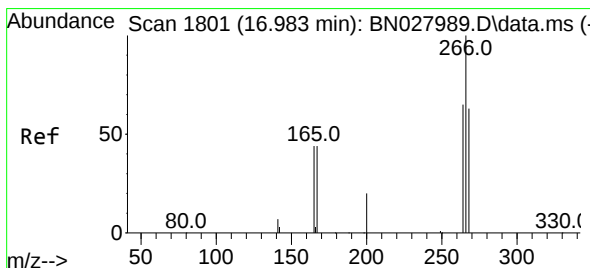
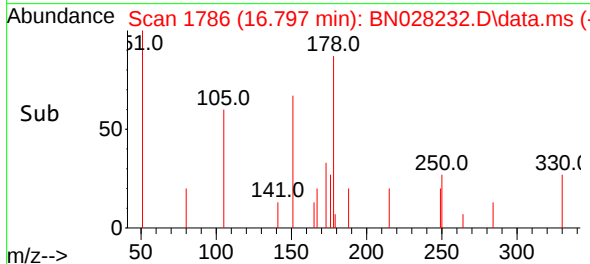
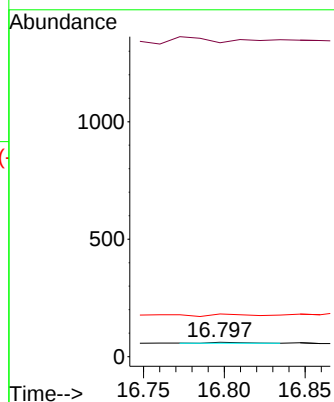
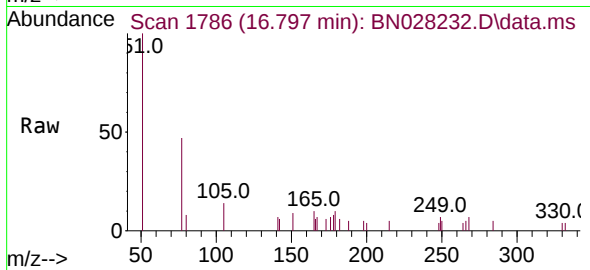




#20
4,6-Dinitro-2-methylphenol
Concen: 0.030 ng
RT: 16.797 min Scan# 11
Delta R.T. 0.012 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

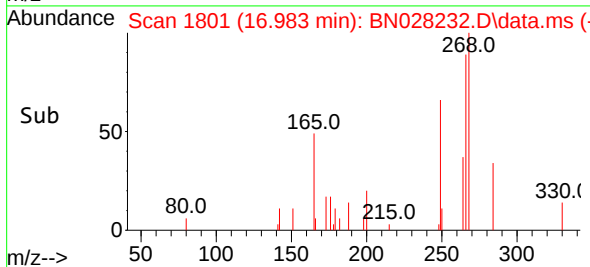
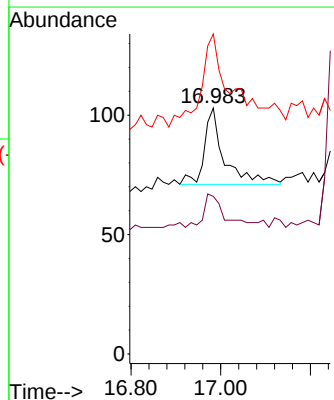
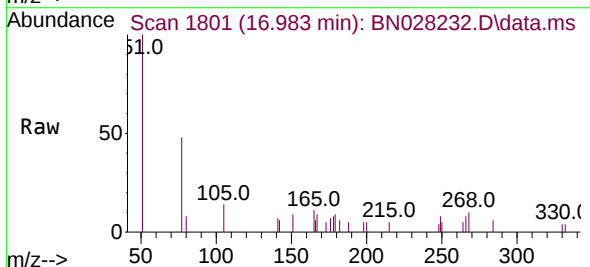
Instrument :
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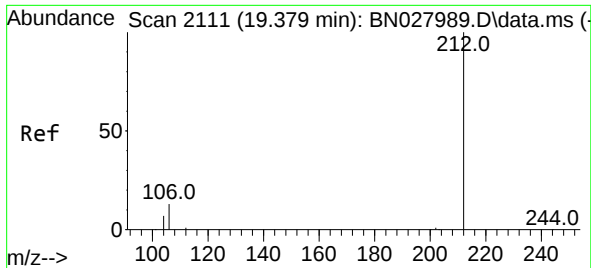
Tgt Ion:198 Resp: 5
Ion Ratio Lower Upper
198 100
51 2190.2 180.7 271.1#
105 298.4 222.2 333.2



#24
Pentachlorophenol
Concen: 0.032 ng
RT: 16.983 min Scan# 1801
Delta R.T. 0.012 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

Tgt Ion:266 Resp: 101
Ion Ratio Lower Upper
266 100
264 44.6 52.7 79.1#
268 128.7 56.2 84.2#

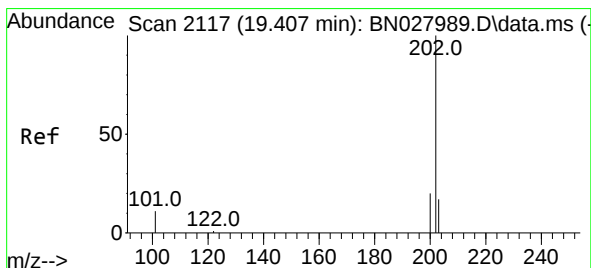
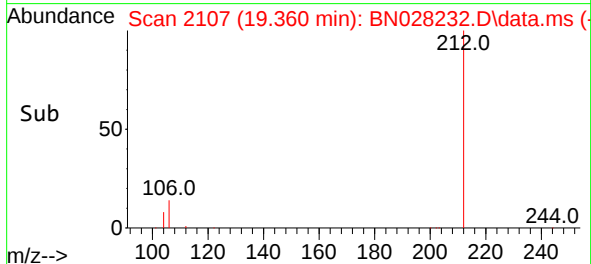
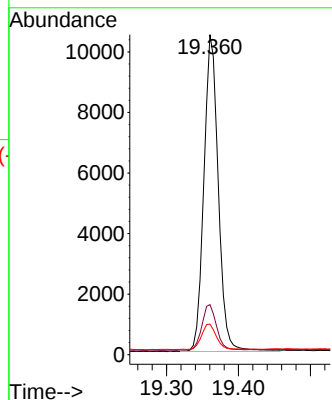
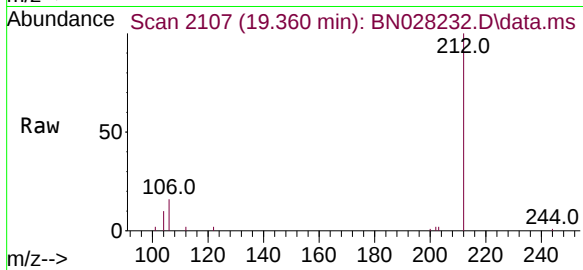




#27
Fluoranthene-d10
Concen: 0.468 ng
RT: 19.360 min Scan# 2111
Delta R.T. 0.005 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

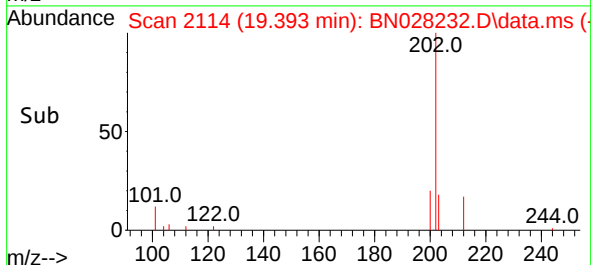
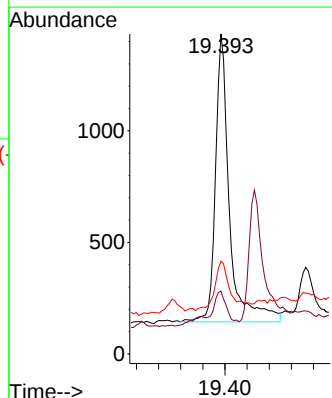
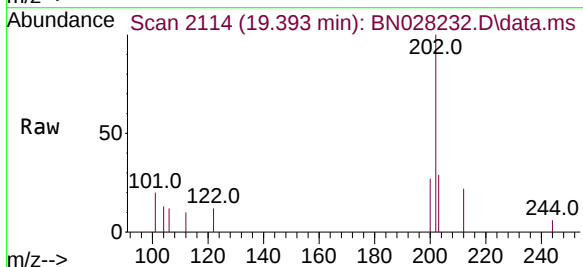
Instrument :
BNA_N
ClientSampleId :
PB156212BL

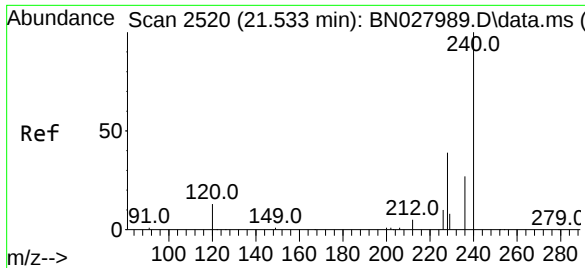
Tgt Ion:212 Resp: 14507
Ion Ratio Lower Upper
212 100
106 14.8 11.3 16.9
104 8.5 6.4 9.6



#28
Fluoranthene
Concen: 0.059 ng
RT: 19.393 min Scan# 2114
Delta R.T. 0.009 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

Tgt Ion:202 Resp: 2265
Ion Ratio Lower Upper
202 100
101 9.1 9.8 14.6#
203 19.6 13.8 20.8

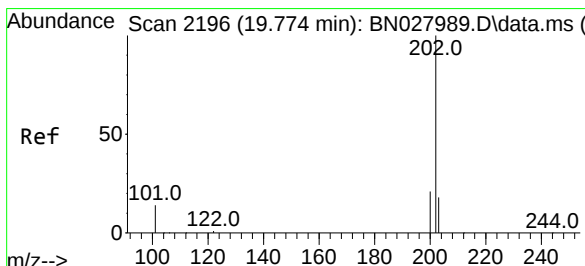
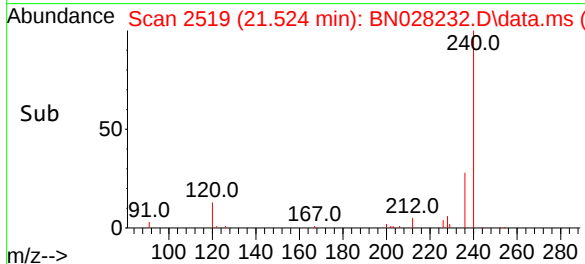
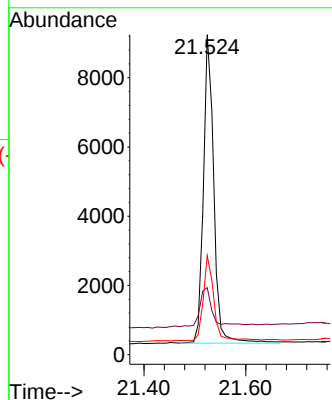
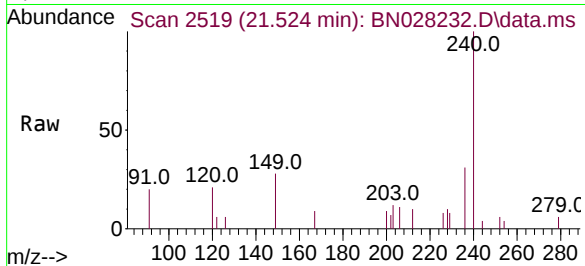




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.524 min Scan# 2119
Delta R.T. 0.009 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

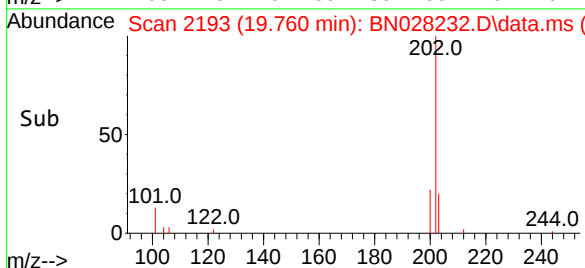
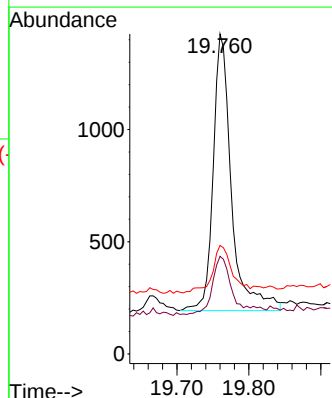
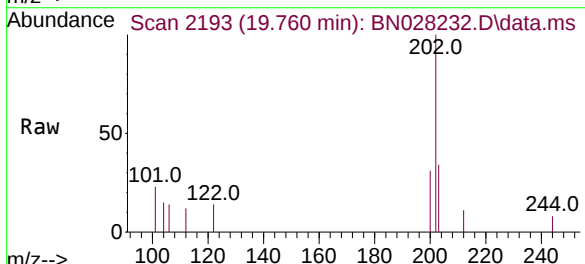
Instrument :
BNA_N
ClientSampleId :
PB156212BL

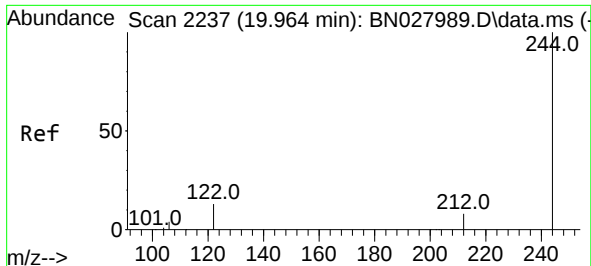
Tgt Ion:240 Resp: 12601
Ion Ratio Lower Upper
240 100
120 21.0 13.8 20.6#
236 31.0 22.6 33.8



#30
Pyrene
Concen: 0.047 ng
RT: 19.760 min Scan# 2193
Delta R.T. 0.009 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

Tgt Ion:202 Resp: 2176
Ion Ratio Lower Upper
202 100
200 21.4 16.5 24.7
203 18.3 14.7 22.1

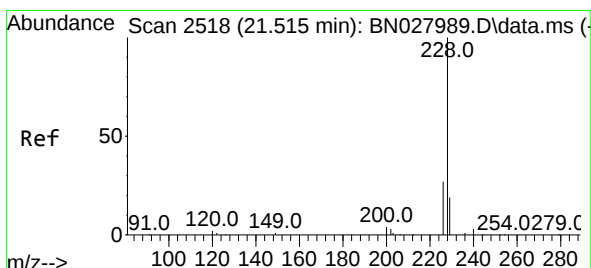
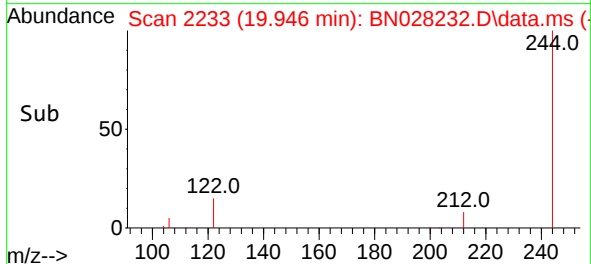
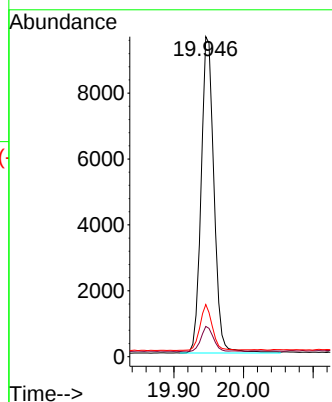
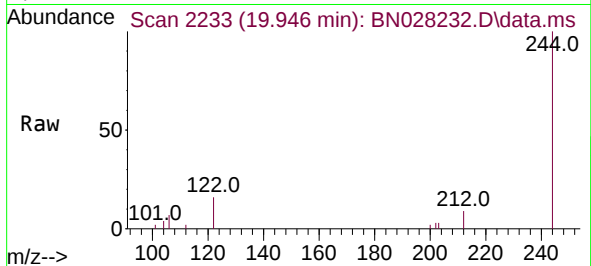




#31
 Terphenyl-d14
 Concen: 0.420 ng
 RT: 19.946 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BN028232.D
 Acq: 11 Oct 2023 14:48

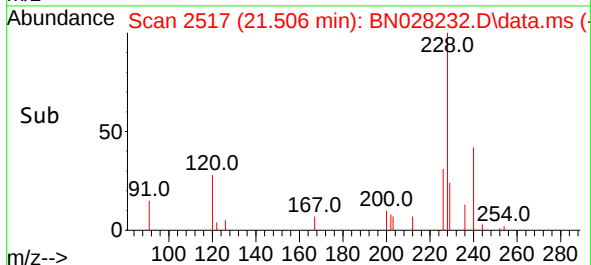
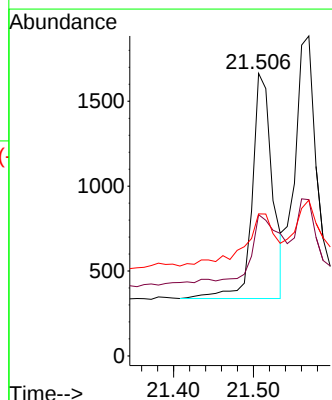
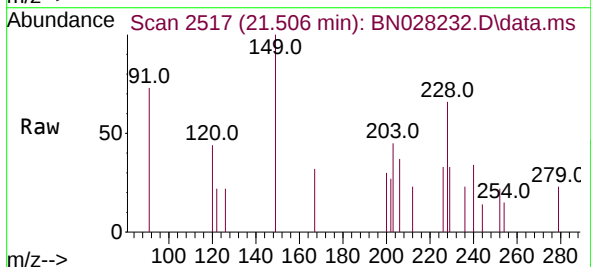
Instrument :
 BNA_N
 ClientSampleId :
 PB156212BL

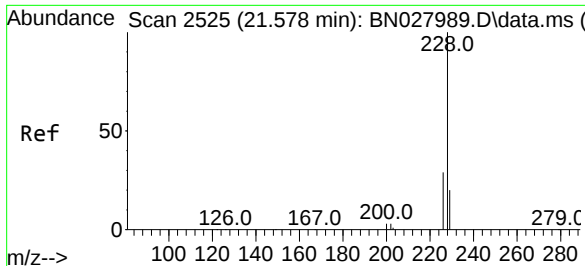
Tgt Ion:244 Resp: 12353
 Ion Ratio Lower Upper
 244 100
 212 9.4 6.6 9.8
 122 16.3 11.4 17.0



#32
 Benzo(a)anthracene
 Concen: 0.055 ng
 RT: 21.506 min Scan# 2517
 Delta R.T. 0.009 min
 Lab File: BN028232.D
 Acq: 11 Oct 2023 14:48

Tgt Ion:228 Resp: 2342
 Ion Ratio Lower Upper
 228 100
 226 50.0 22.0 33.0#
 229 50.3 16.0 24.0#

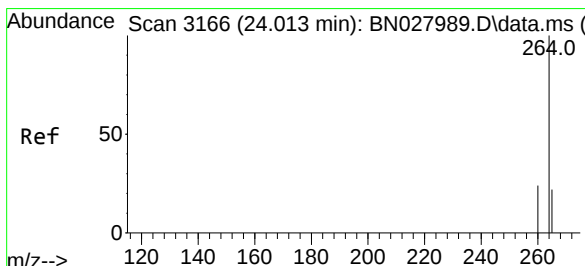
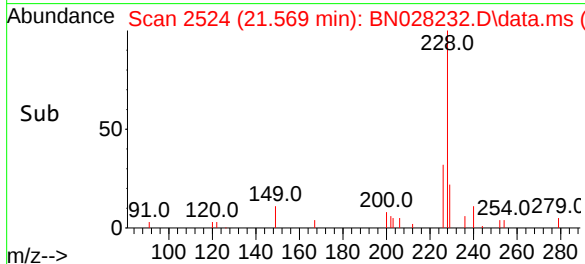
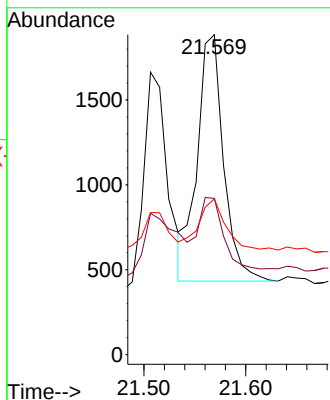
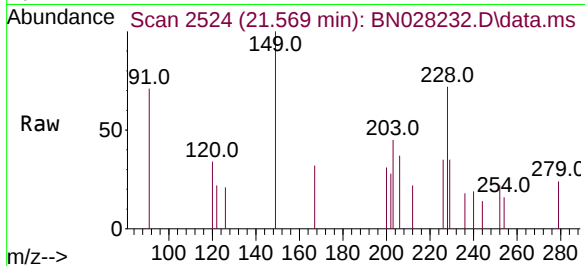




#33
Chrysene
Concen: 0.064 ng
RT: 21.569 min Scan# 21569
Delta R.T. 0.018 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

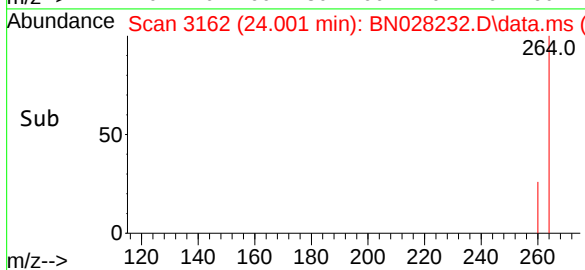
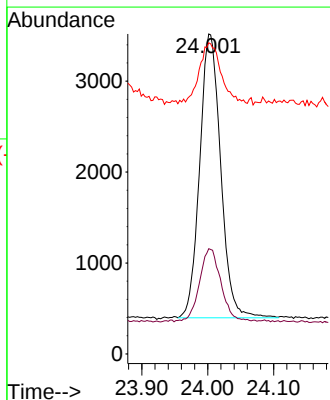
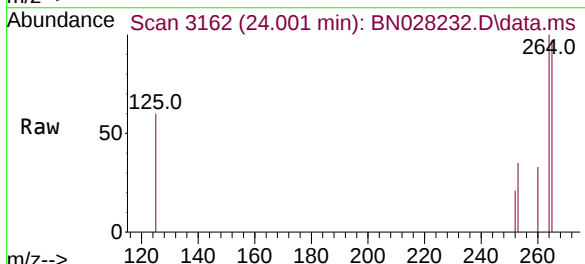
Instrument :
BNA_N
ClientSampleId :
PB156212BL

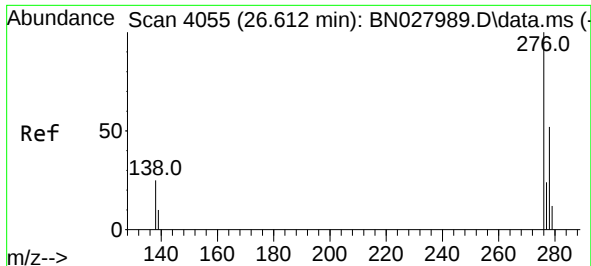
Tgt Ion:228 Resp: 2625
Ion Ratio Lower Upper
228 100
226 48.9 23.8 35.8#
229 48.7 16.6 25.0#



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.001 min Scan# 3162
Delta R.T. 0.026 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

Tgt Ion:264 Resp: 6930
Ion Ratio Lower Upper
264 100
260 32.9 20.2 30.4#
265 97.2 54.8 82.2#

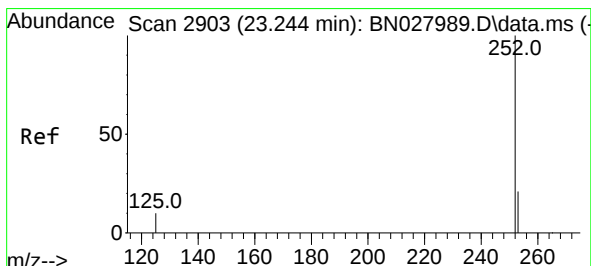
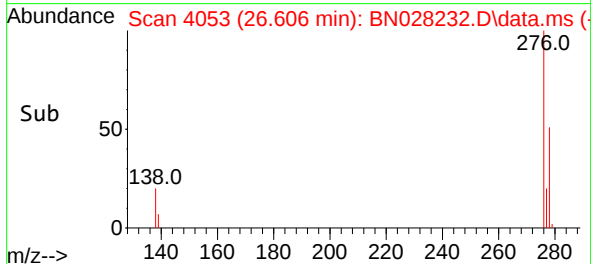
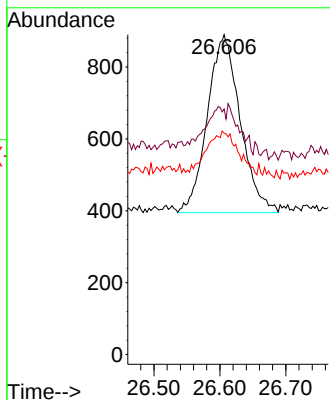
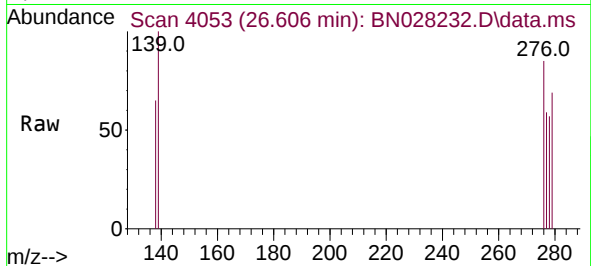




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.073 ng
RT: 26.606 min Scan# 4055
Delta R.T. 0.050 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

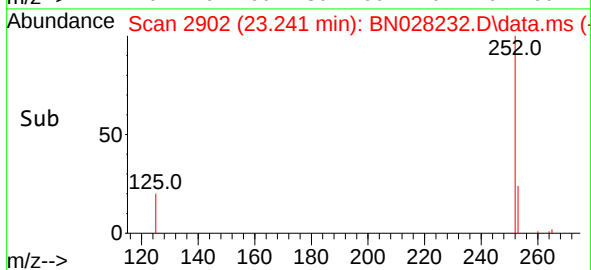
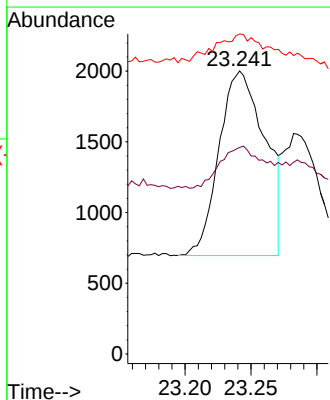
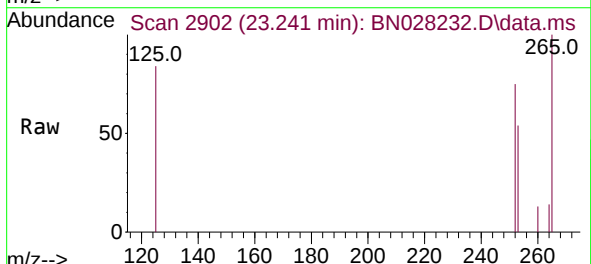
Instrument :
BNA_N
ClientSampleId :
PB156212BL

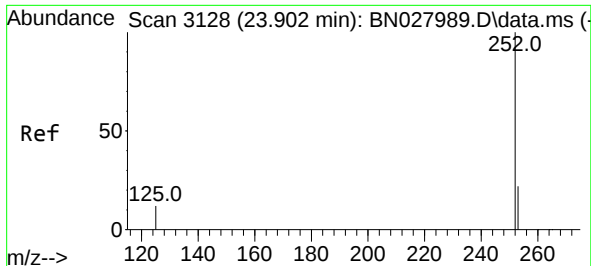
Tgt Ion:276 Resp: 1713
Ion Ratio Lower Upper
276 100
138 11.6 20.9 31.3#
277 24.3 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 0.142 ng
RT: 23.241 min Scan# 2902
Delta R.T. 0.029 min
Lab File: BN028232.D
Acq: 11 Oct 2023 14:48

Tgt Ion:252 Resp: 3171
Ion Ratio Lower Upper
252 100
253 73.0 22.9 34.3#
125 113.0 13.8 20.8#





#39

Benzo(a)pyrene

Concen: 0.061 ng

RT: 23.893 min Scan# 31

Delta R.T. 0.029 min

Lab File: BN028232.D

Acq: 11 Oct 2023 14:48

Instrument :

BNA_N

ClientSampleId :

PB156212BL

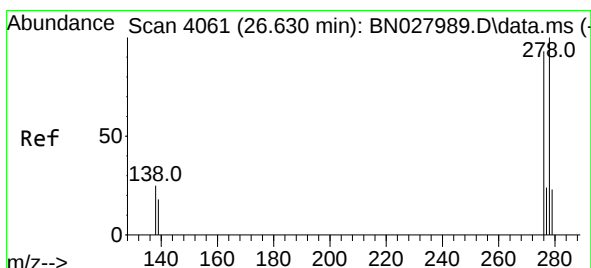
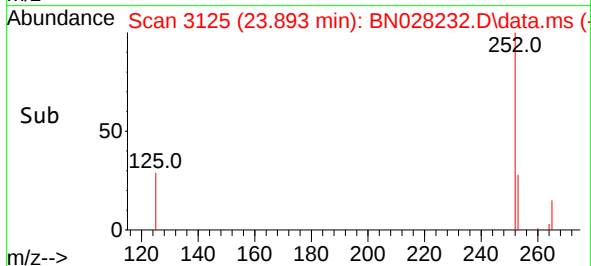
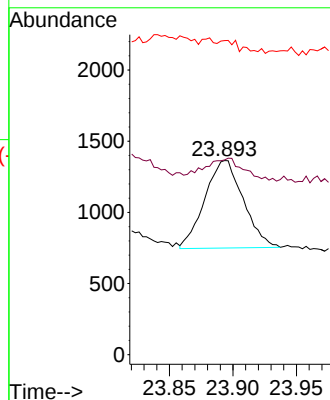
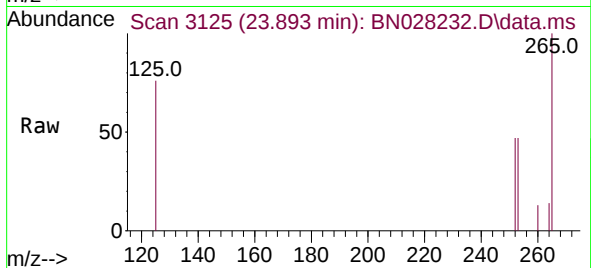
Tgt Ion:252 Resp: 1297

Ion Ratio Lower Upper

252 100

253 100.3 25.0 37.4#

125 161.7 16.6 24.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.053 ng

RT: 26.618 min Scan# 4057

Delta R.T. 0.041 min

Lab File: BN028232.D

Acq: 11 Oct 2023 14:48

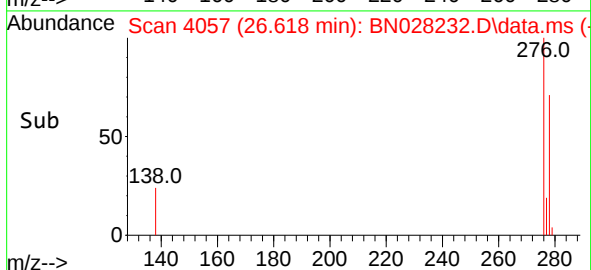
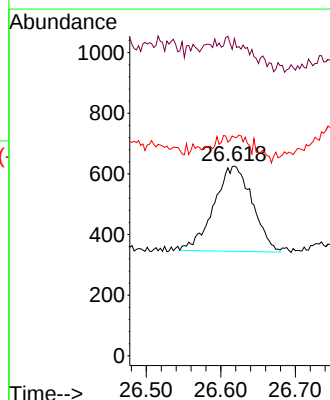
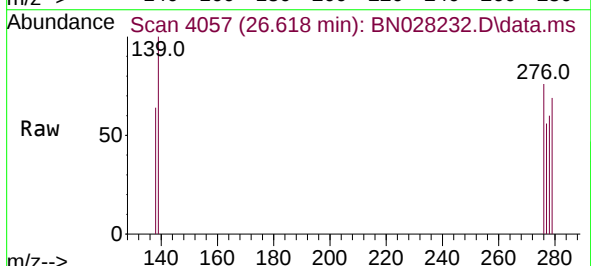
Tgt Ion:278 Resp: 1006

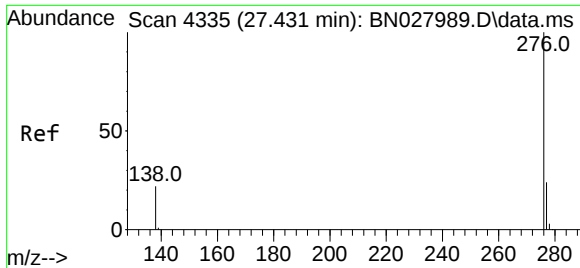
Ion Ratio Lower Upper

278 100

139 167.1 17.7 26.5#

279 115.2 25.2 37.8#





#41
 Benzo(g,h,i)perylene
 Concen: 0.078 ng
 RT: 27.419 min Scan# 41
 Delta R.T. 0.053 min
 Lab File: BN028232.D
 Acq: 11 Oct 2023 14:48

Instrument :
 BNA_N
 ClientSampleId :
 PB156212BL

Tgt Ion:	276	Resp:	1532
Ion Ratio	Lower	Upper	
276	100		
277	71.1	22.1	33.1#
138	78.4	20.8	31.2#

