

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028196.D
 Acq On : 10 Oct 2023 14:25
 Operator : MA/JU
 Sample : 04657-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 U-2(0-2IN)

Quant Time: Oct 10 15:38:12 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)

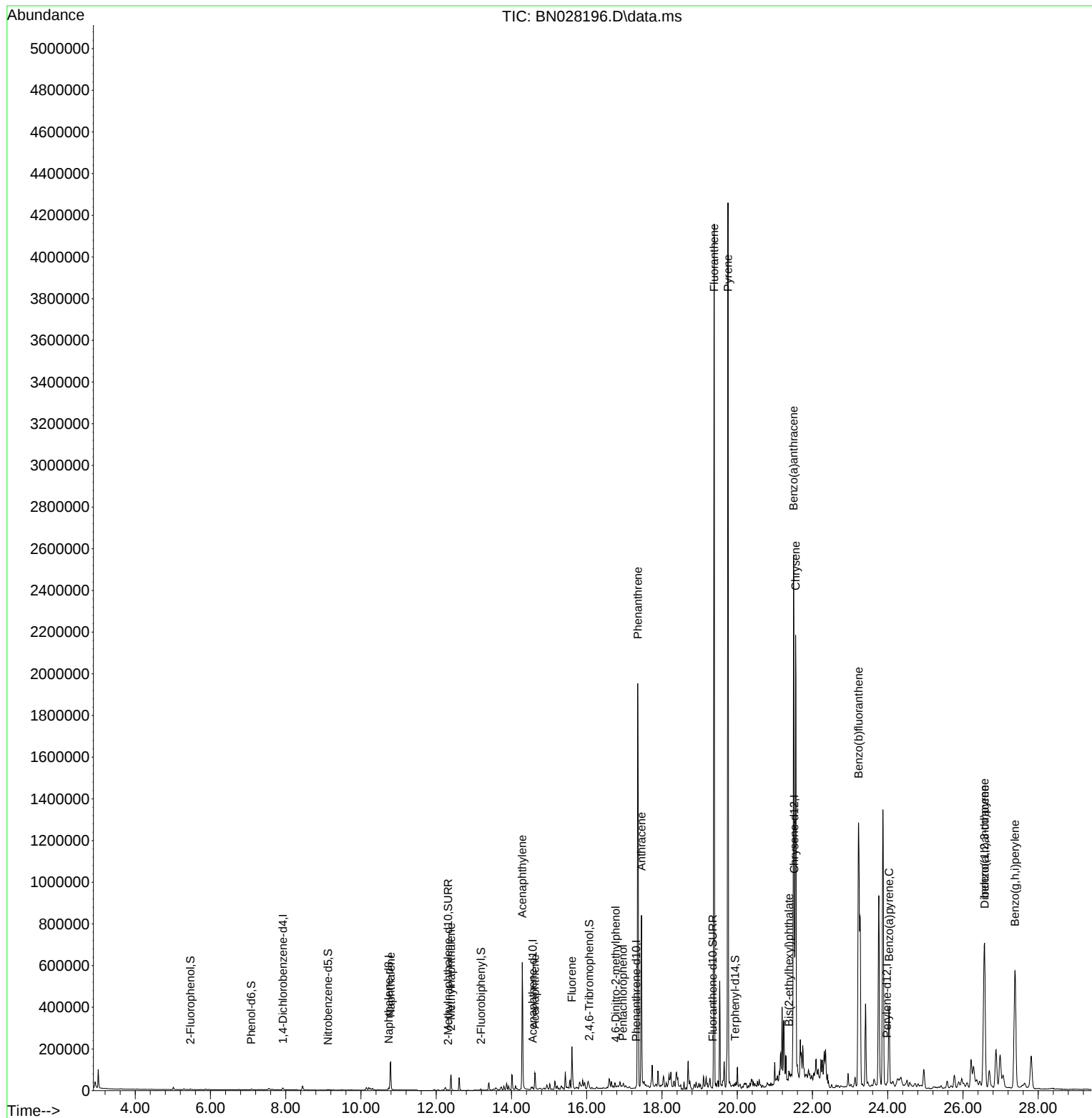
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	4508	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	13850	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	7823	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	15198	0.400	ng	0.00
29) Chrysene-d12	21.515	240	19202	0.400	ng	# 0.00
35) Perylene-d12	23.981	264	22679	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	3101	0.231	ng	0.00
5) Phenol-d6	7.084	99	3736	0.220	ng	0.00
8) Nitrobenzene-d5	9.123	82	3061	0.260	ng	0.00
11) 2-Methylnaphthalene-d10	12.317	152	4152	0.202	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	740	0.207	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	5560	0.197	ng	0.00
27) Fluoranthene-d10	19.351	212	7378	0.193	ng	0.00
31) Terphenyl-d14	19.941	244	7812	0.174	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.789	128	189494	5.295	ng	98
12) 2-Methylnaphthalene	12.392	142	53591	2.141	ng	99
16) Acenaphthylene	14.288	152	693353	20.007	ng	99
17) Acenaphthene	14.619	154	44736	2.025	ng	99
18) Fluorene	15.606	166	152711	5.322	ng	92
20) 4,6-Dinitro-2-methylph...	16.772	198	374	1.851	ng	# 44
24) Pentachlorophenol	16.959	266	174	0.044	ng	# 83
25) Phenanthrene	17.356	178	2101137	51.281	ng	100
26) Anthracene	17.455	178	904666	23.359	ng	97
28) Fluoranthene	19.388	202	3778857	79.914	ng	98
30) Pyrene	19.755	202	3803203	54.014	ng	98
32) Benzo(a)anthracene	21.497	228	2344774	35.885	ng	98
33) Chrysene	21.551	228	1963493	31.182	ng	97
34) Bis(2-ethylhexyl)phtha...	21.372	149	30824	0.717	ng	100
36) Indeno(1,2,3-cd)pyrene	26.571	276	1288375	16.889	ng	97
37) Benzo(b)fluoranthene	23.224	252	2412190	32.933	ng	# 89
39) Benzo(a)pyrene	24.034	252	491839	7.101	ng	92
40) Dibenzo(a,h)anthracene	26.577	278	366449	5.872	ng	96
41) Benzo(g,h,i)perylene	27.381	276	1278308	19.957	ng	95

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

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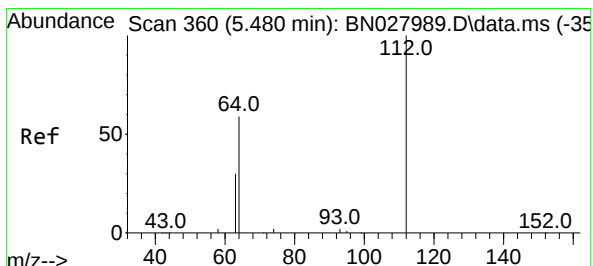
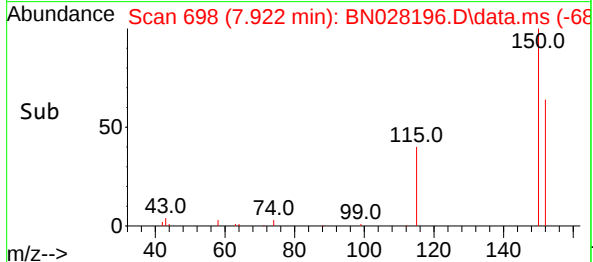
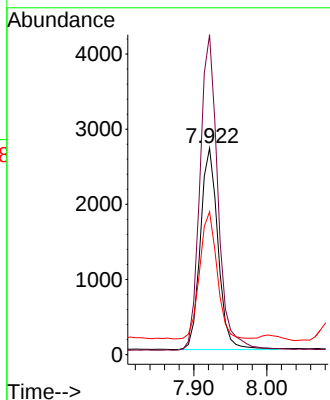
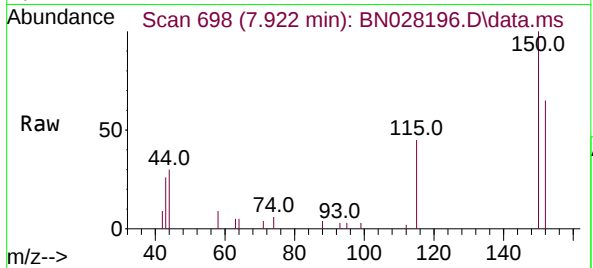




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

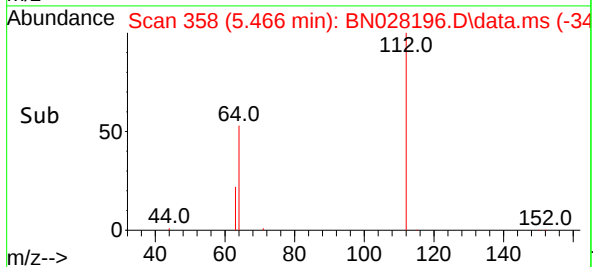
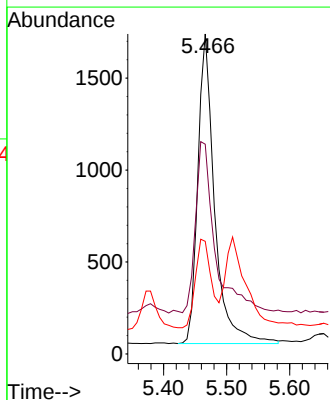
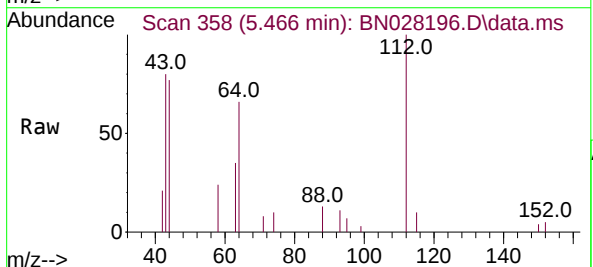
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BNA_N
ClientSampleId :
U-2(0-2IN)

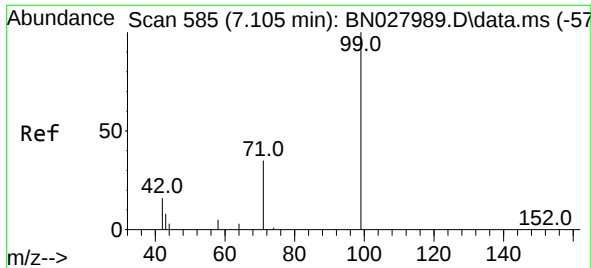
Tgt Ion:152 Resp: 4508
Ion Ratio Lower Upper
152 100
150 154.9 125.6 188.4
115 69.1 54.8 82.2



#4
2-Fluorophenol
Concen: 0.231 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

Tgt Ion:112 Resp: 3101
Ion Ratio Lower Upper
112 100
64 65.5 45.0 67.6
63 27.7 23.4 35.0

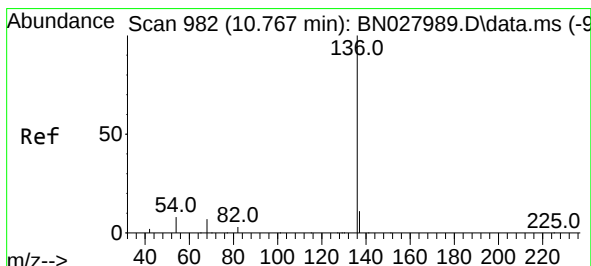
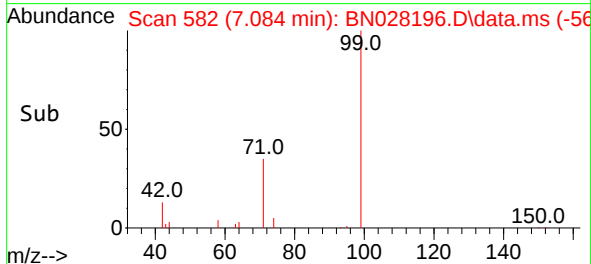
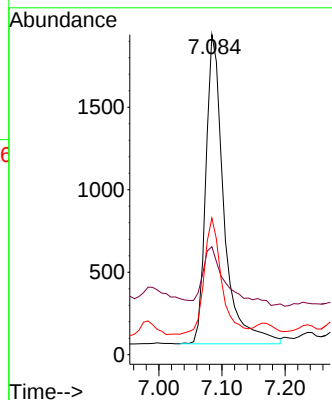
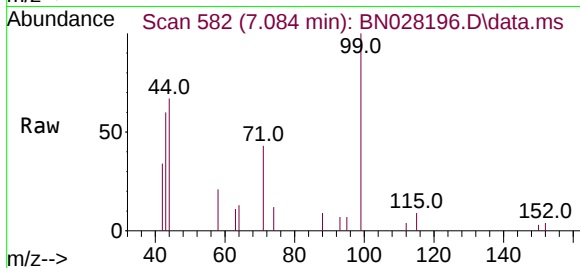




#5
Phenol-d6
Concen: 0.220 ng
RT: 7.084 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

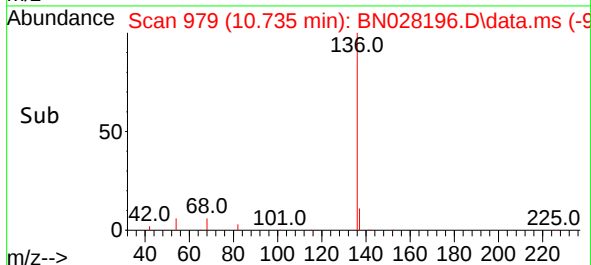
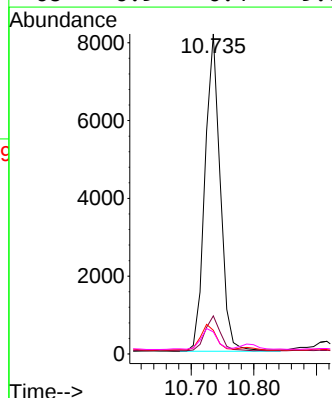
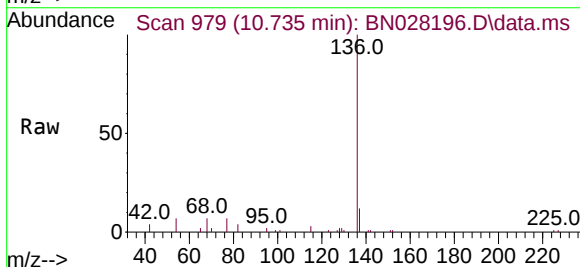
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)

Tgt Ion: 99 Resp: 3736
Ion Ratio Lower Upper
99 100
42 24.6 14.6 22.0#
71 36.1 28.3 42.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

Tgt Ion: 136 Resp: 13850
Ion Ratio Lower Upper
136 100
137 11.9 9.4 14.0
54 7.4 7.0 10.6
68 6.9 6.4 9.6

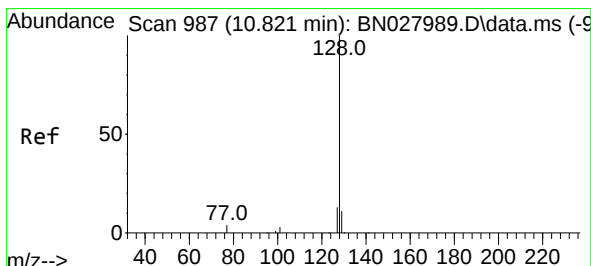
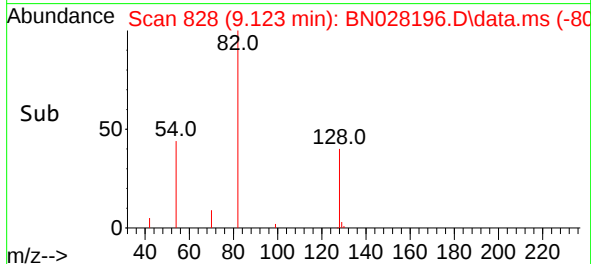
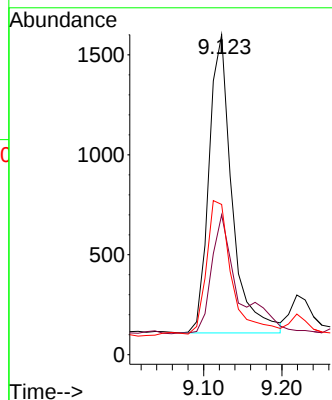
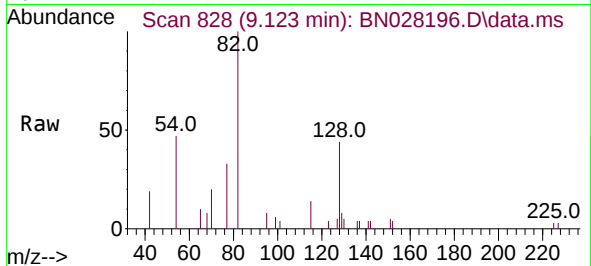




#8
Nitrobenzene-d5
Concen: 0.260 ng
RT: 9.123 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

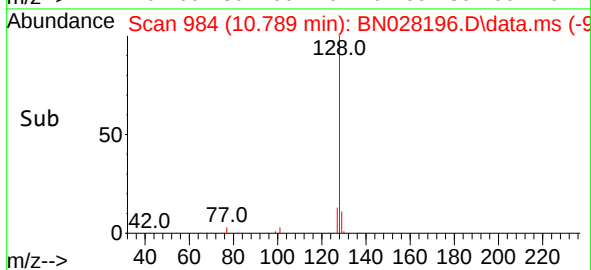
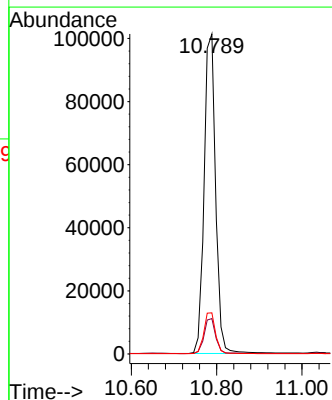
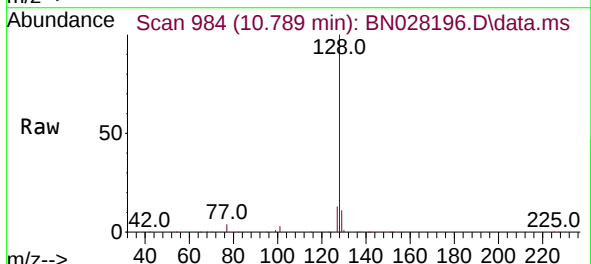
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)

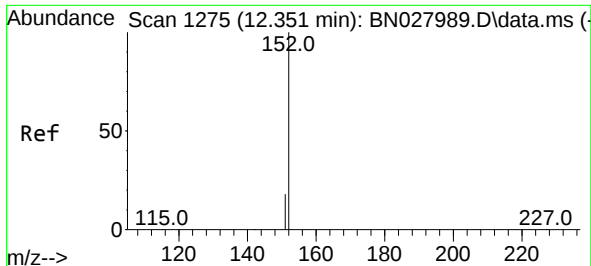
Tgt Ion: 82 Resp: 3061
Ion Ratio Lower Upper
82 100
128 43.7 32.7 49.1
54 47.0 38.7 58.1



#9
Naphthalene
Concen: 5.295 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

Tgt Ion: 128 Resp: 189494
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.9 10.9 16.3

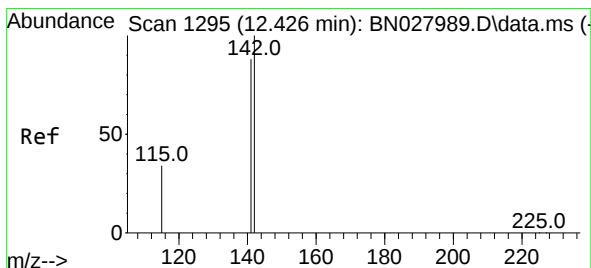
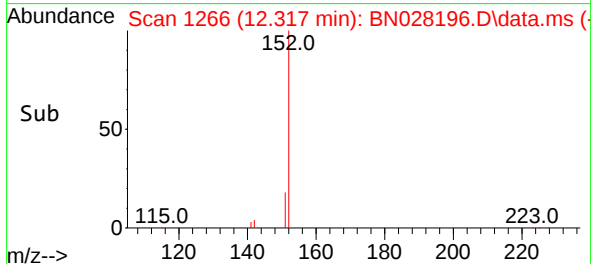
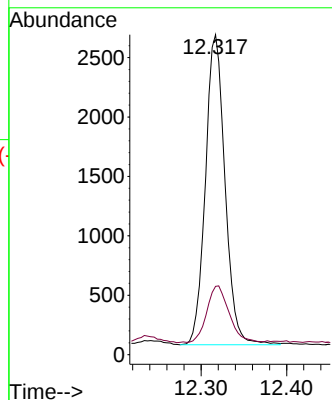
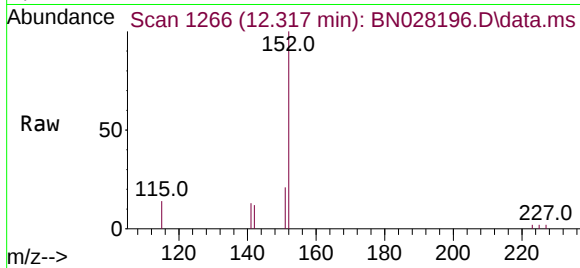




#11
2-Methylnaphthalene-d10
Concen: 0.202 ng
RT: 12.317 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

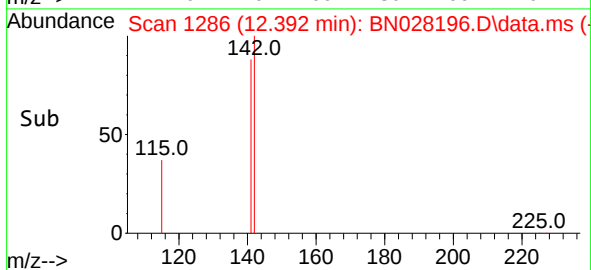
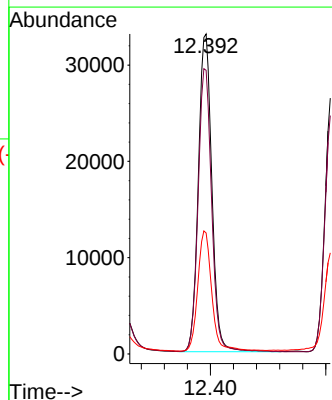
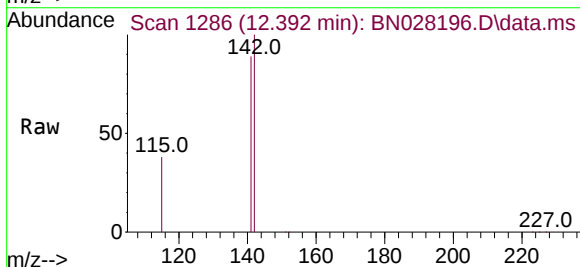
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)

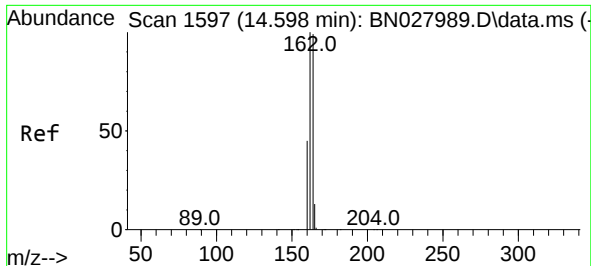
Tgt Ion:152 Resp: 4152
Ion Ratio Lower Upper
152 100
151 20.7 16.5 24.7



#12
2-Methylnaphthalene
Concen: 2.141 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

Tgt Ion:142 Resp: 53591
Ion Ratio Lower Upper
142 100
141 88.7 70.7 106.1
115 37.8 28.6 42.8

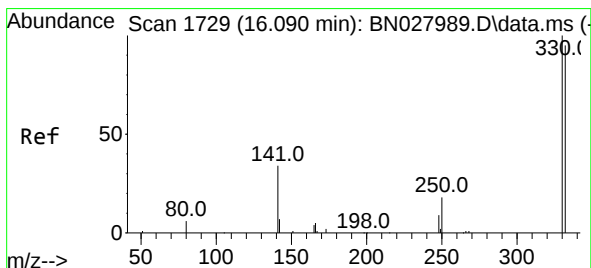
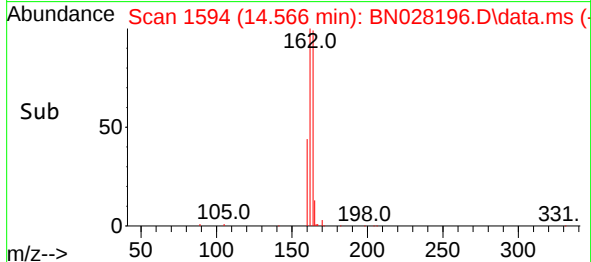
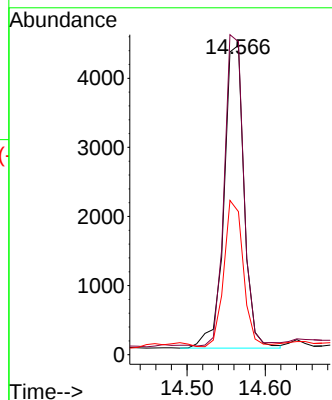
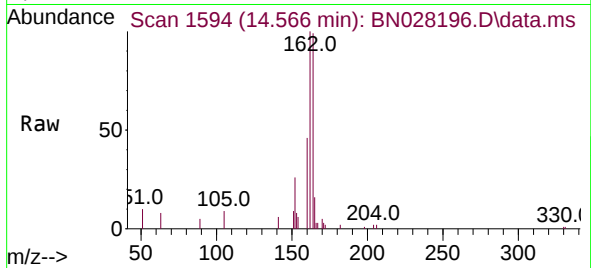




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

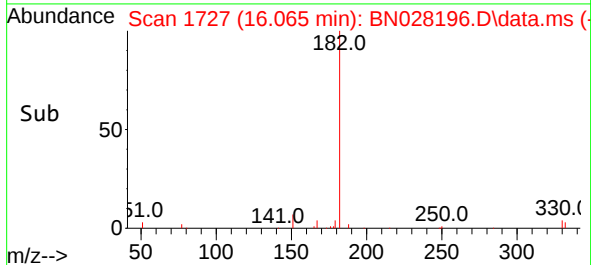
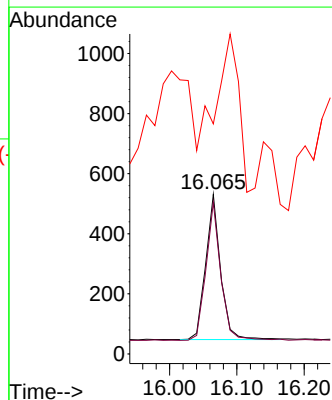
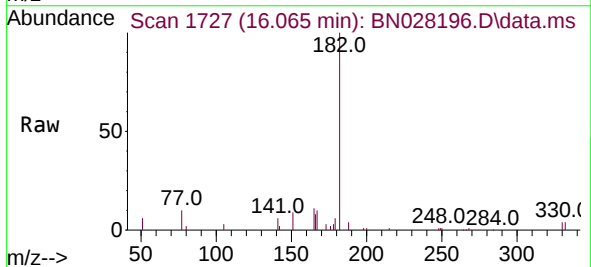
Instrument :
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ClientSampleId :
U-2(0-2IN)

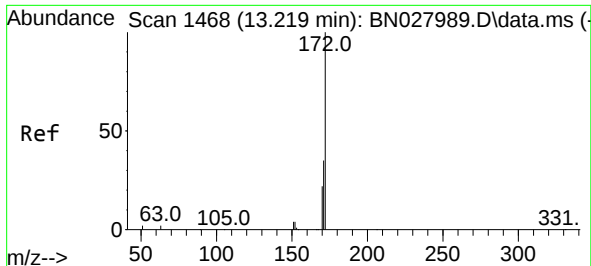
Tgt Ion:164 Resp: 7823
Ion Ratio Lower Upper
164 100
162 101.1 80.8 121.2
160 46.2 36.4 54.6



#14
2,4,6-Tribromophenol
Concen: 0.207 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

Tgt Ion:330 Resp: 740
Ion Ratio Lower Upper
330 100
332 95.7 78.1 117.1
141 0.0 33.4 50.2#

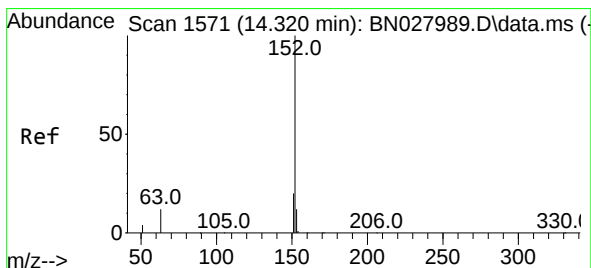
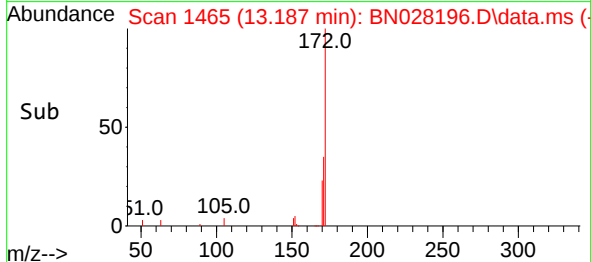
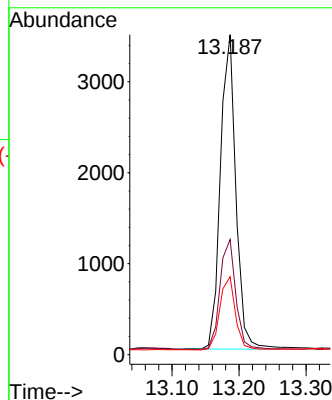
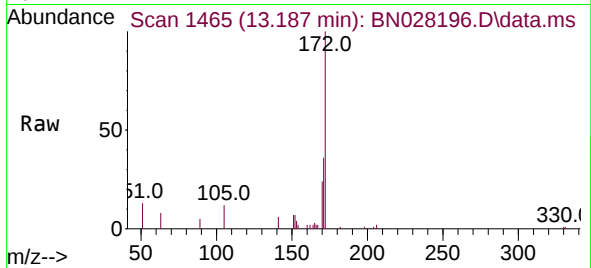




#15
2-Fluorobiphenyl
Concen: 0.197 ng
RT: 13.187 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

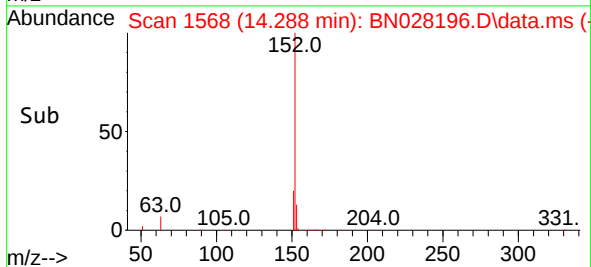
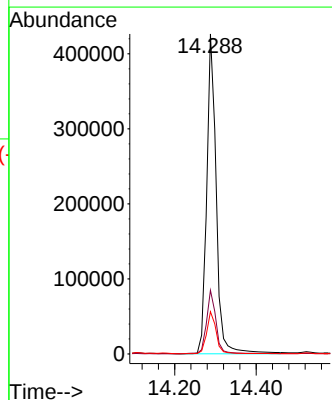
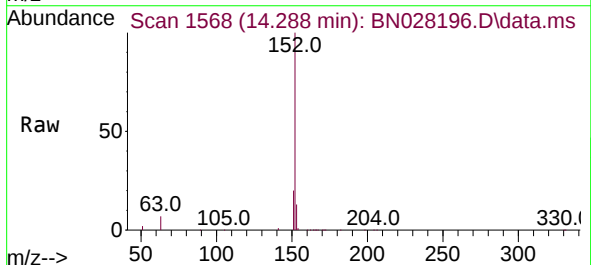
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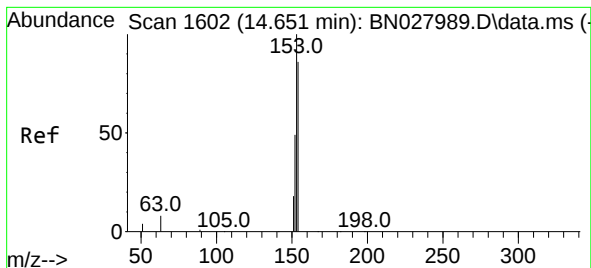
Tgt Ion:172 Resp: 5560
Ion Ratio Lower Upper
172 100
171 36.0 28.1 42.1
170 24.4 18.4 27.6



#16
Acenaphthylene
Concen: 20.007 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

Tgt Ion:152 Resp: 693353
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.1 10.2 15.4





#17

Acenaphthene

Concen: 2.025 ng

RT: 14.619 min Scan# 1599

Delta R.T. -0.011 min

Lab File: BN028196.D

Acq: 10 Oct 2023 14:25

Instrument :

BNA_N

ClientSampleId :

U-2(0-2IN)

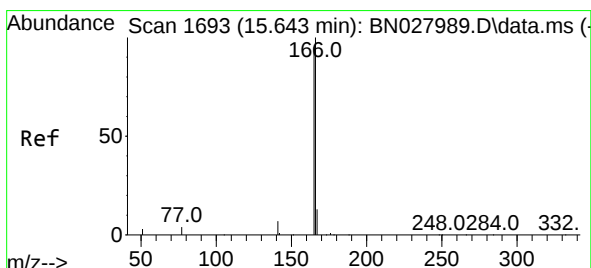
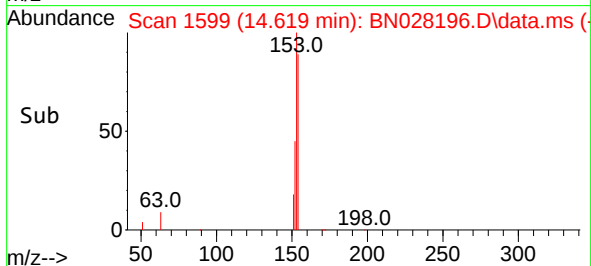
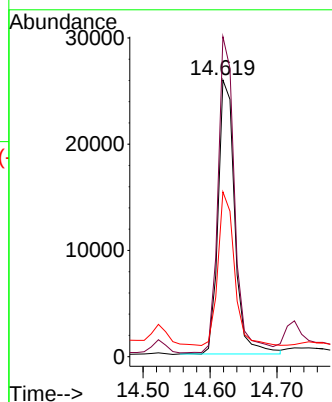
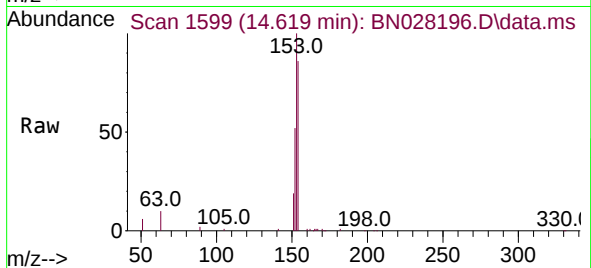
Tgt Ion:154 Resp: 44736

Ion Ratio Lower Upper

154 100

153 114.7 90.8 136.2

152 55.9 43.9 65.9



#18

Fluorene

Concen: 5.322 ng

RT: 15.606 min Scan# 1690

Delta R.T. -0.012 min

Lab File: BN028196.D

Acq: 10 Oct 2023 14:25

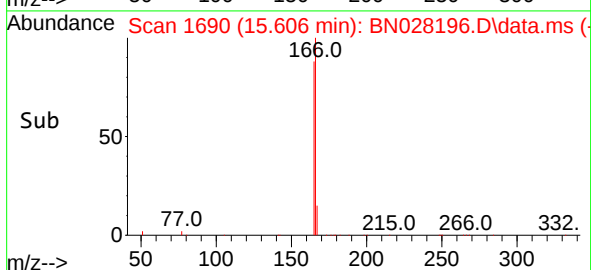
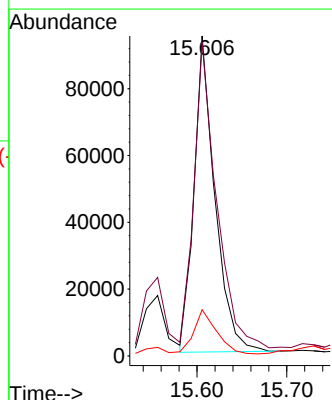
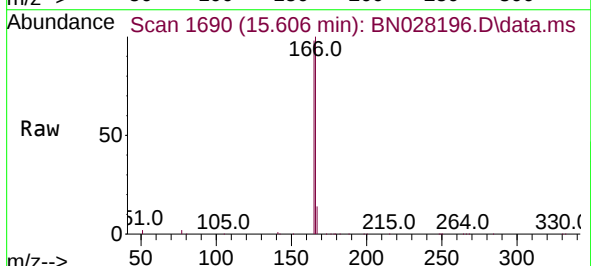
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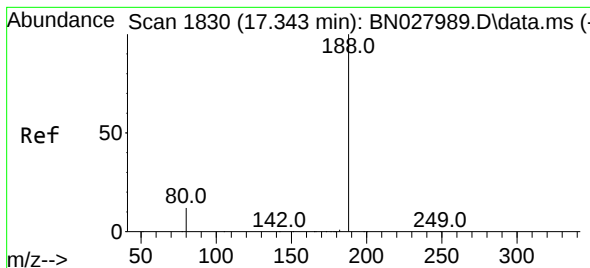
Ion Ratio Lower Upper

166 100

165 105.3 77.8 116.8

167 15.3 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.319 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BN028196.D

Acq: 10 Oct 2023 14:25

Instrument :

BNA_N

ClientSampleId :

U-2(0-2IN)

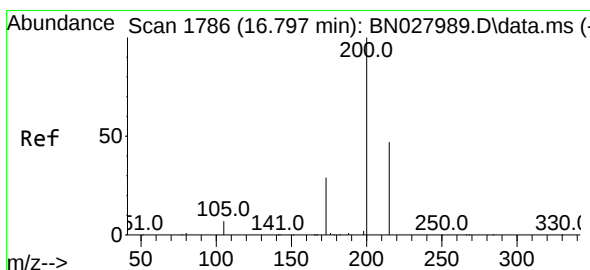
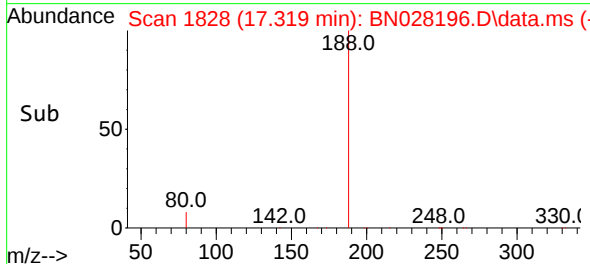
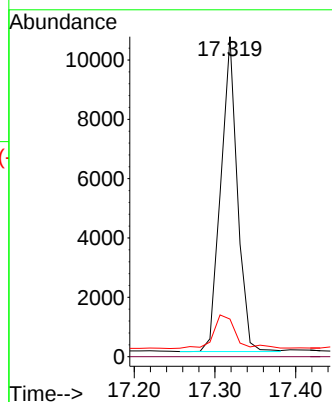
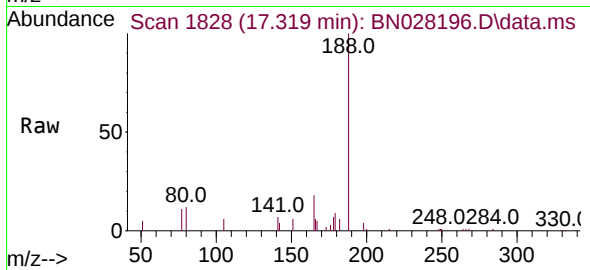
Tgt Ion:188 Resp: 15198

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.8 10.2 15.4



#20

4,6-Dinitro-2-methylphenol

Concen: 1.851 ng

RT: 16.772 min Scan# 1784

Delta R.T. -0.012 min

Lab File: BN028196.D

Acq: 10 Oct 2023 14:25

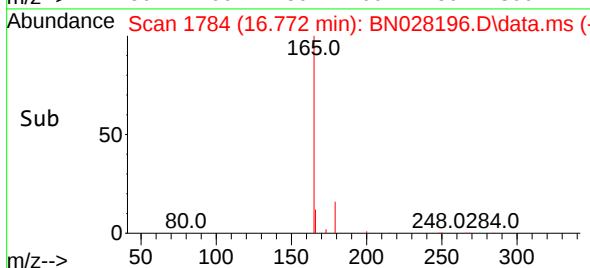
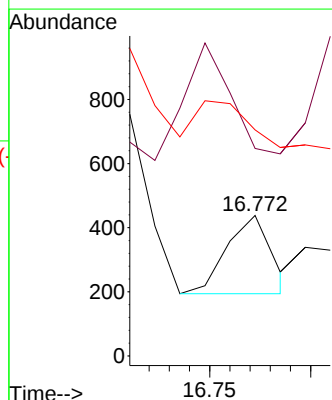
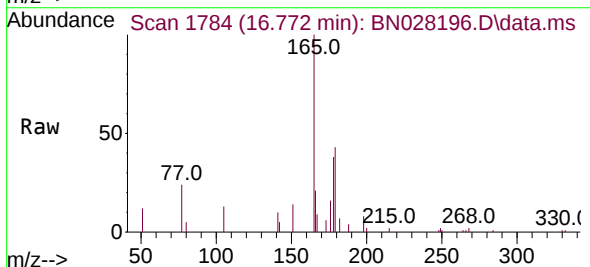
Tgt Ion:198 Resp: 374

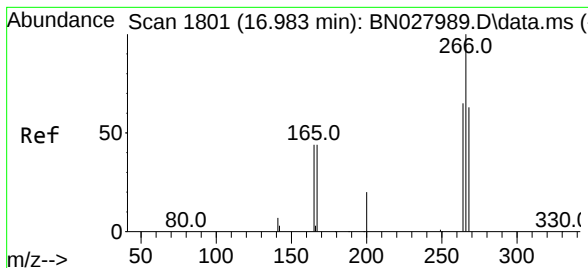
Ion Ratio Lower Upper

198 100

51 147.7 180.7 271.1#

105 161.0 222.2 333.2#





#24

Pentachlorophenol

Concen: 0.044 ng

RT: 16.959 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN028196.D

Acq: 10 Oct 2023 14:25

Instrument :

BNA_N

ClientSampleId :

U-2(0-2IN)

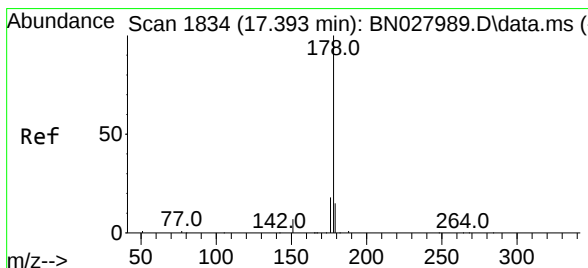
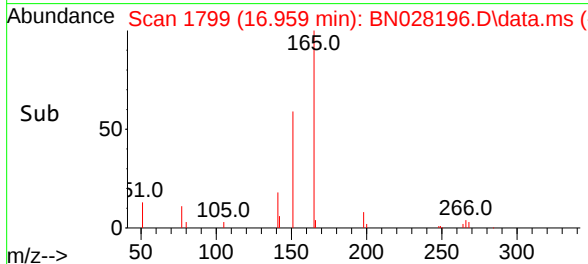
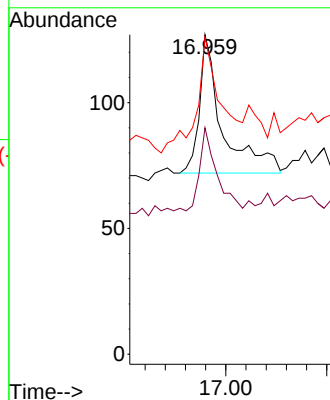
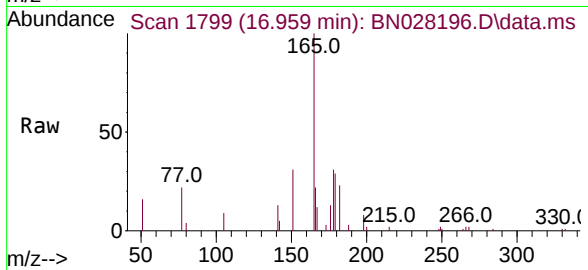
Tgt Ion:266 Resp: 174

Ion Ratio Lower Upper

266 100

264 44.8 52.7 79.1#

268 63.2 56.2 84.2



#25

Phenanthrene

Concen: 51.281 ng

RT: 17.356 min Scan# 1831

Delta R.T. -0.012 min

Lab File: BN028196.D

Acq: 10 Oct 2023 14:25

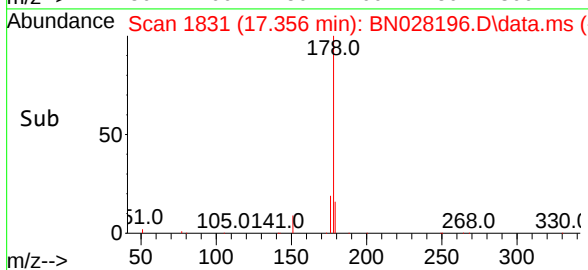
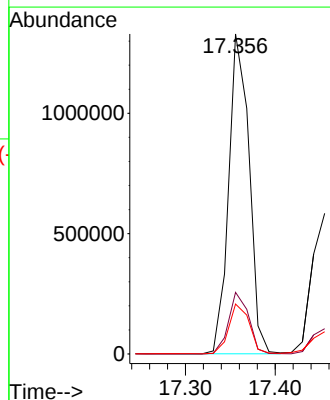
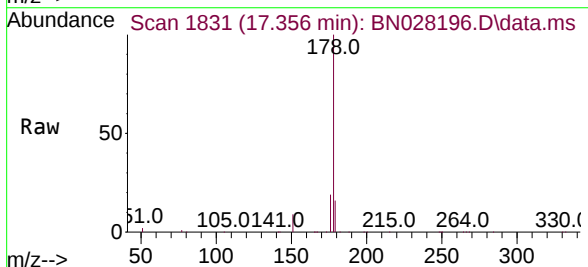
Tgt Ion:178 Resp: 2101137

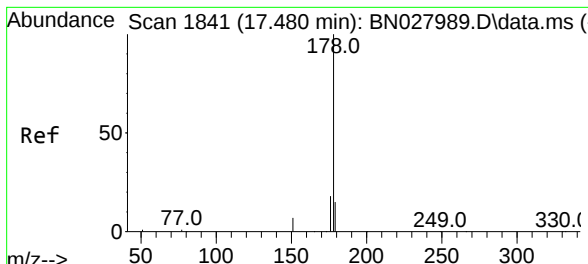
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.6 12.4 18.6



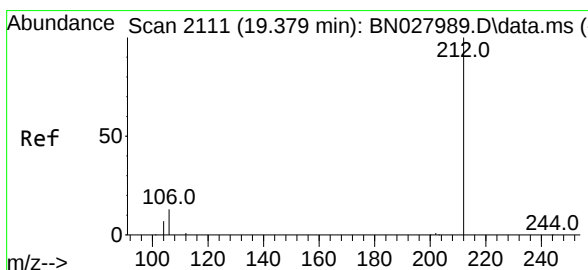
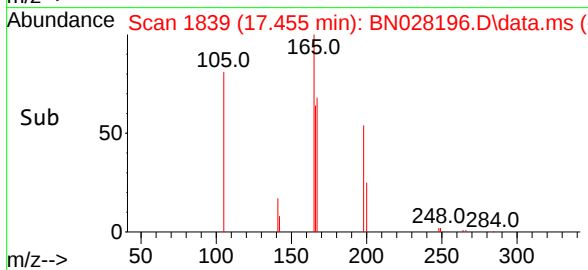
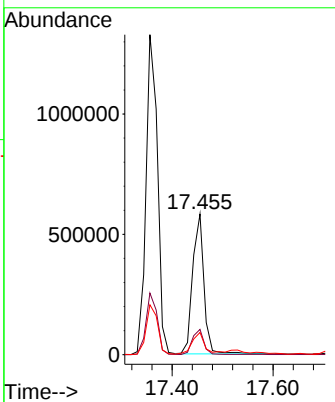
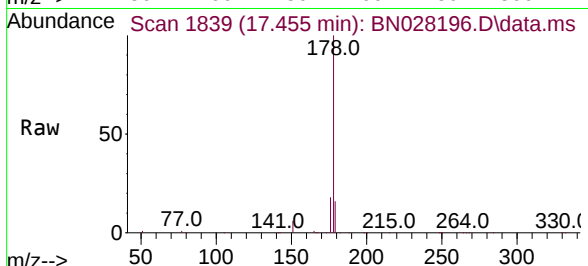


#26
 Anthracene
 Concen: 23.359 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028196.D
 Acq: 10 Oct 2023 14:25

Instrument :
 BNA_N
 ClientSampleId :
 U-2(0-2IN)

Tgt Ion:178 Resp: 904666

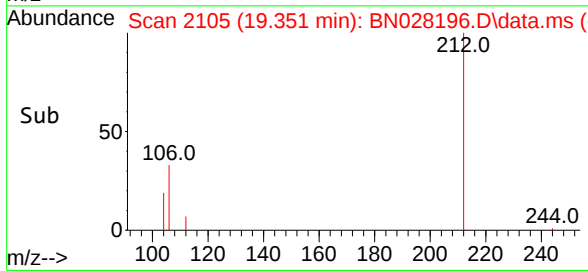
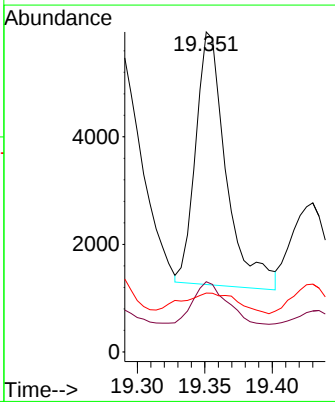
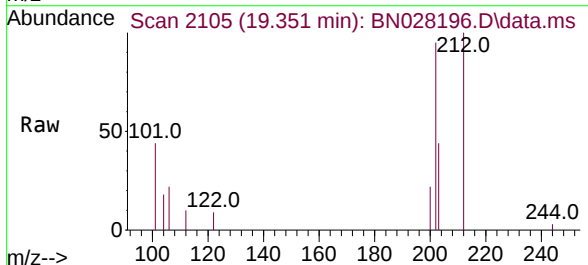
Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	17.7	12.2	18.2

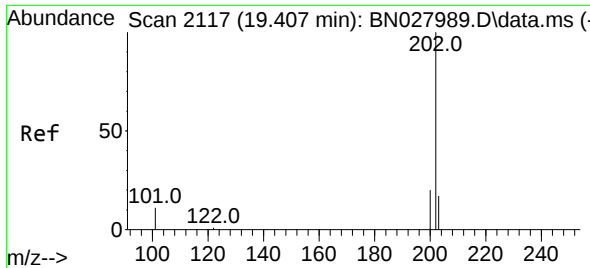


#27
 Fluoranthene-d10
 Concen: 0.193 ng
 RT: 19.351 min Scan# 2105
 Delta R.T. -0.005 min
 Lab File: BN028196.D
 Acq: 10 Oct 2023 14:25

Tgt Ion:212 Resp: 7378

Ion	Ratio	Lower	Upper
212	100		
106	18.4	11.3	16.9#
104	15.0	6.4	9.6#

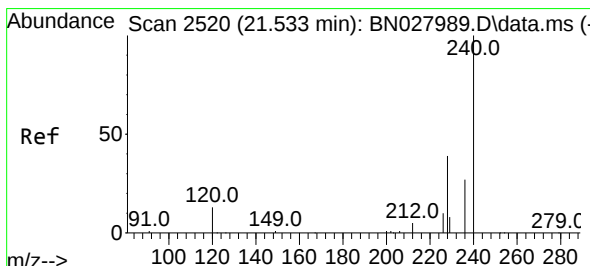
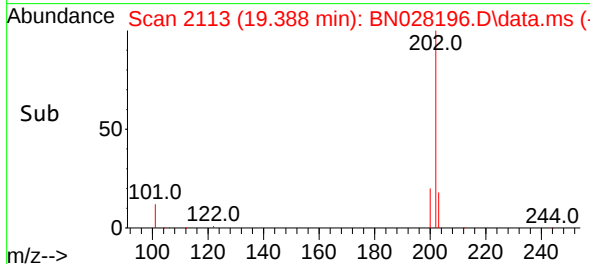
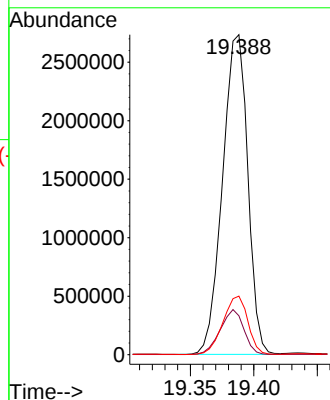
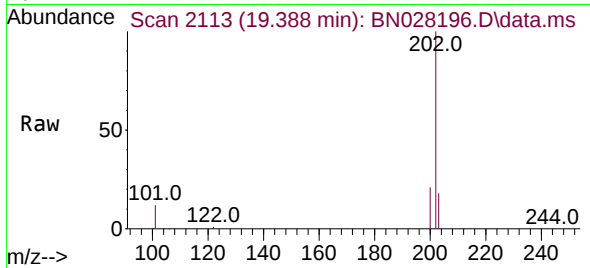




#28
Fluoranthene
Concen: 79.914 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.005 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

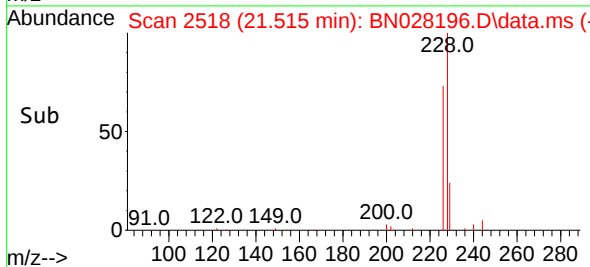
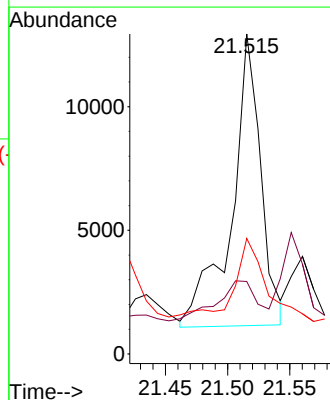
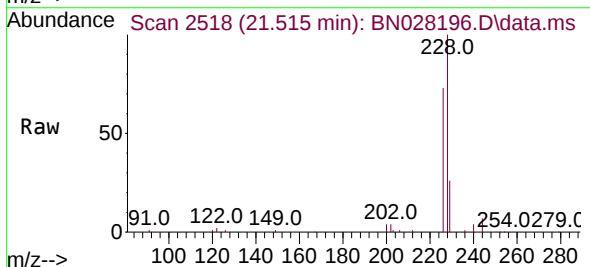
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)

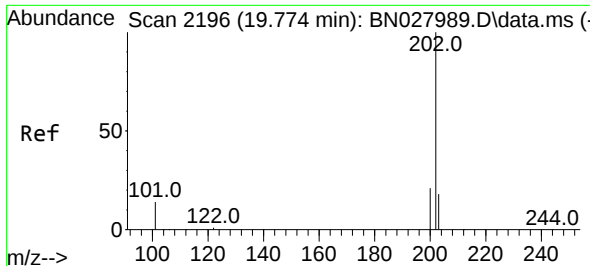
Tgt Ion:202 Resp: 3778857
Ion Ratio Lower Upper
202 100
101 13.2 9.8 14.6
203 18.0 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

Tgt Ion:240 Resp: 19202
Ion Ratio Lower Upper
240 100
120 22.6 13.8 20.6#
236 36.1 22.6 33.8#

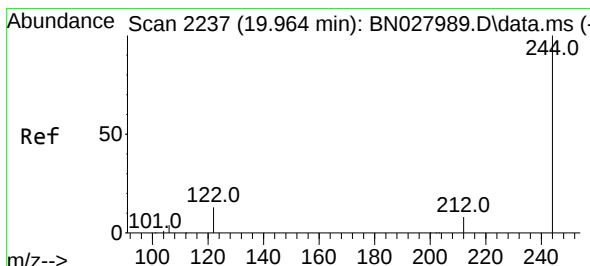
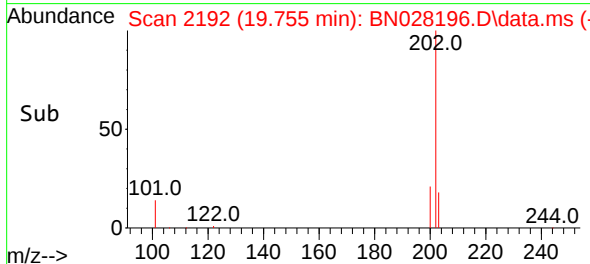
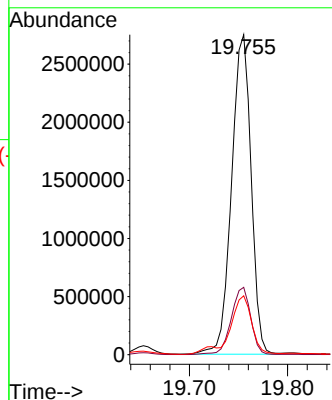
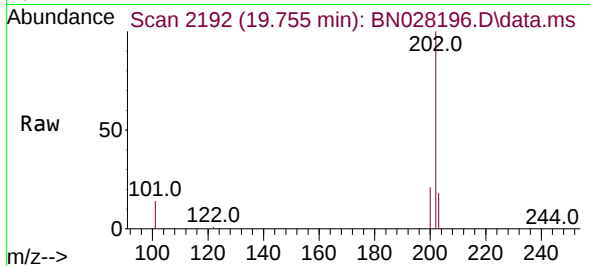




#30
Pyrene
Concen: 54.014 ng
RT: 19.755 min Scan# 2196
Delta R.T. 0.005 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

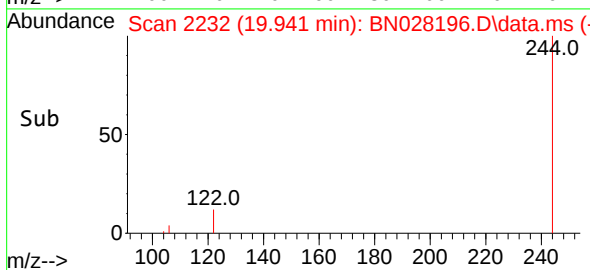
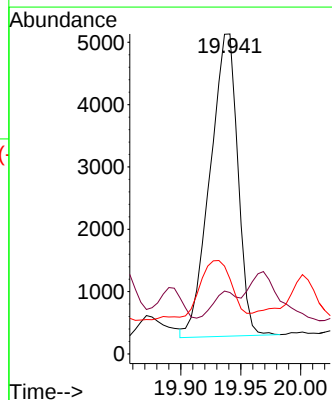
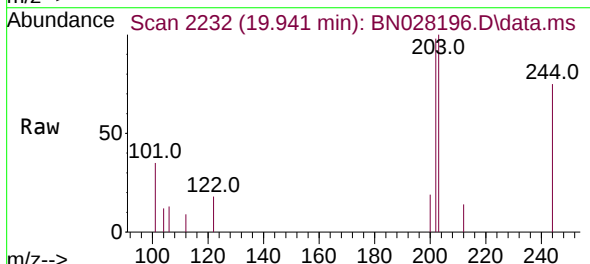
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)

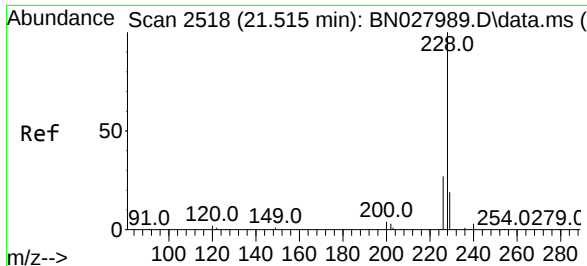
Tgt Ion:202 Resp: 3803203
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 20.4 14.7 22.1



#31
Terphenyl-d14
Concen: 0.174 ng
RT: 19.941 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

Tgt Ion:244 Resp: 7812
Ion Ratio Lower Upper
244 100
212 19.2 6.6 9.8#
122 23.5 11.4 17.0#

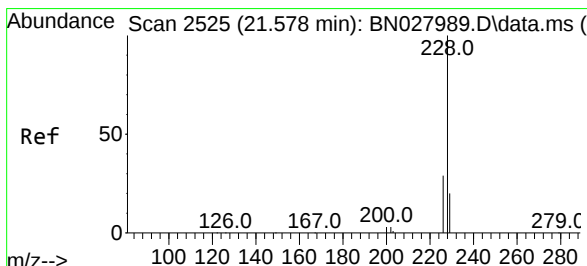
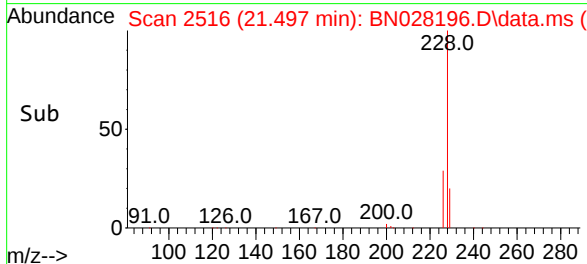
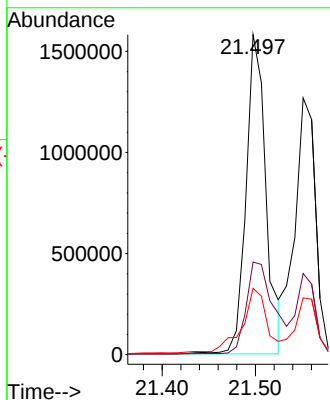
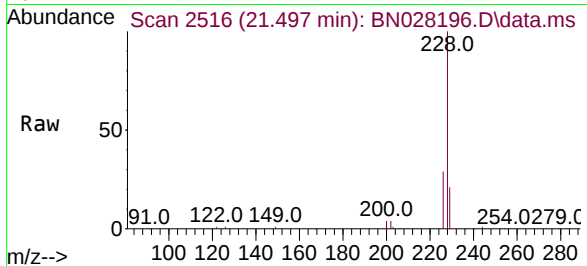




#32
Benzo(a)anthracene
Concen: 35.885 ng
RT: 21.497 min Scan# 21497
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

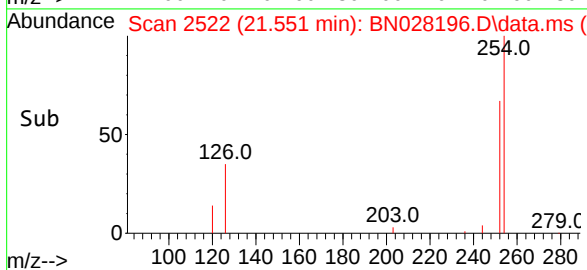
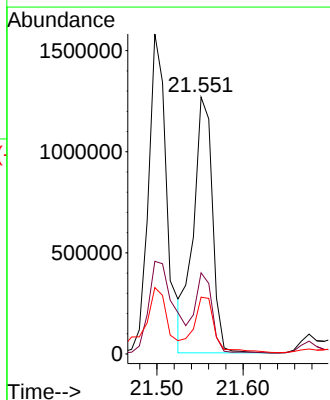
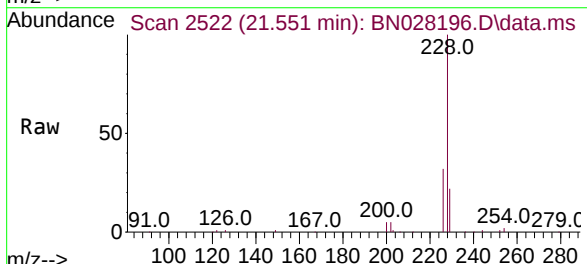
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)

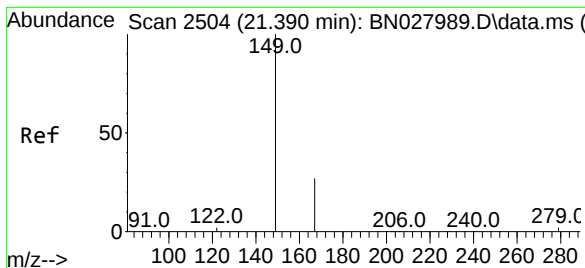
Tgt Ion:228 Resp: 2344774
Ion Ratio Lower Upper
228 100
226 28.9 22.0 33.0
229 20.7 16.0 24.0



#33
Chrysene
Concen: 31.182 ng
RT: 21.551 min Scan# 2522
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

Tgt Ion:228 Resp: 1963493
Ion Ratio Lower Upper
228 100
226 31.6 23.8 35.8
229 22.1 16.6 25.0

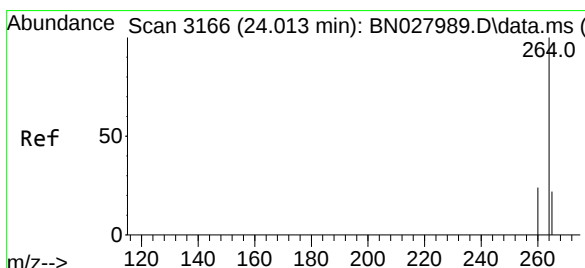
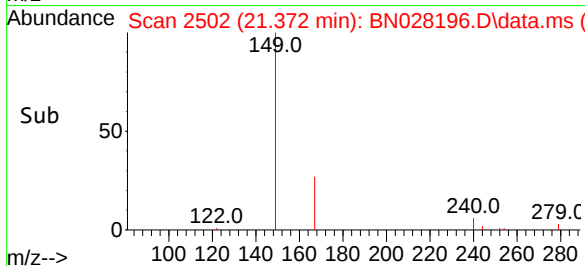
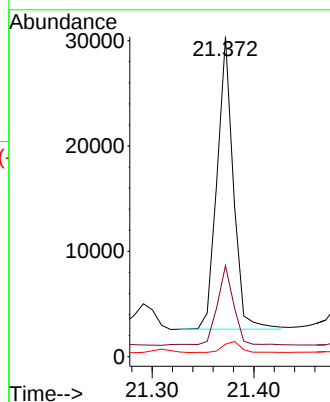
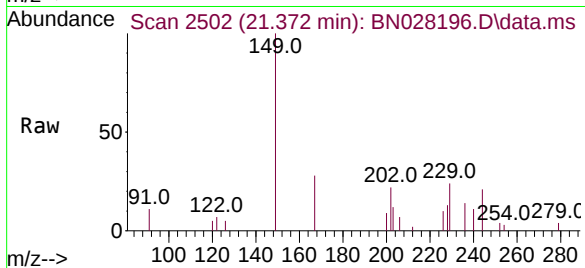




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.717 ng
 RT: 21.372 min Scan# 2135
 Delta R.T. 0.009 min
 Lab File: BN028196.D
 Acq: 10 Oct 2023 14:25

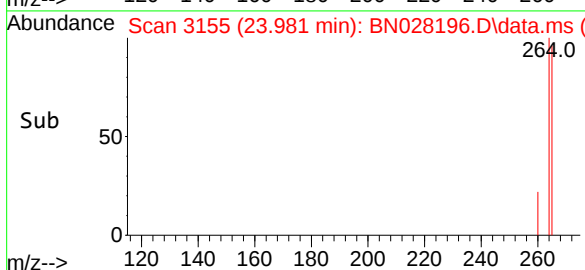
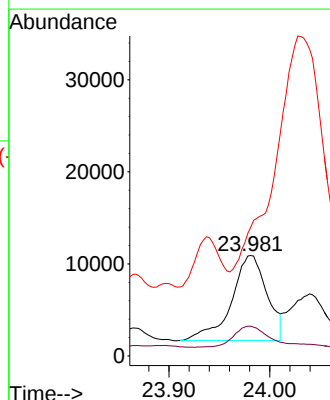
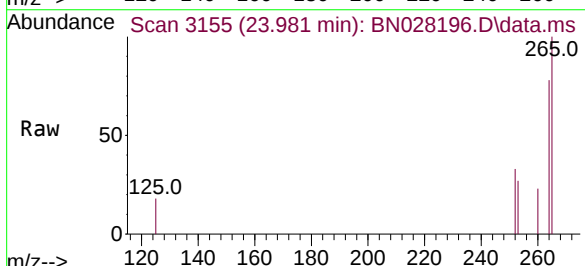
Instrument :
 BNA_N
 ClientSampleId :
 U-2(0-2IN)

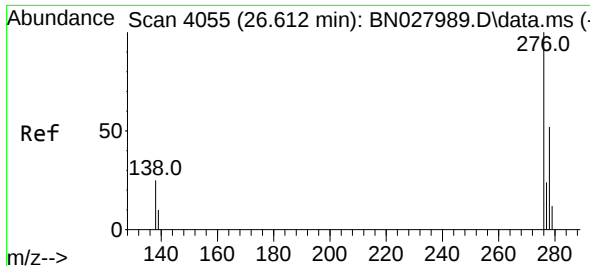
Tgt Ion:149 Resp: 30824
 Ion Ratio Lower Upper
 149 100
 167 27.8 22.1 33.1
 279 4.1 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.981 min Scan# 3155
 Delta R.T. 0.006 min
 Lab File: BN028196.D
 Acq: 10 Oct 2023 14:25

Tgt Ion:264 Resp: 22679
 Ion Ratio Lower Upper
 264 100
 260 29.7 20.2 30.4
 265 127.7 54.8 82.2#

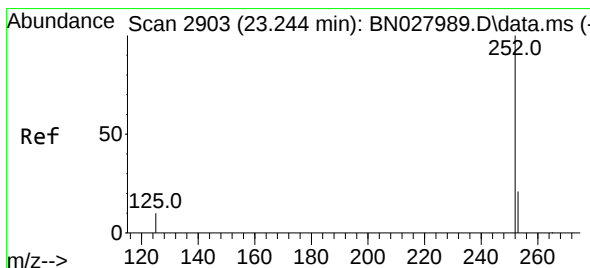
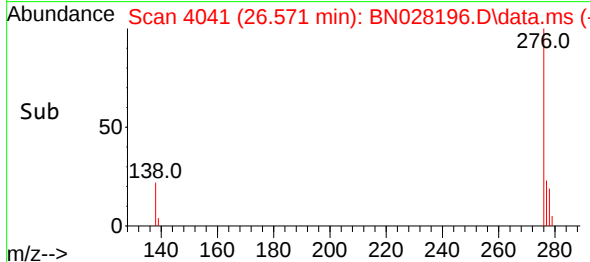
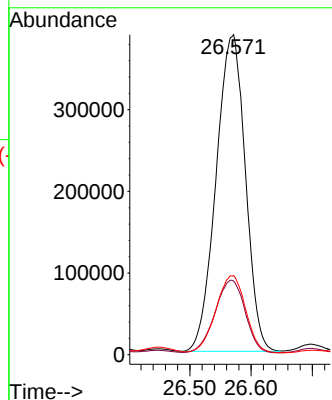
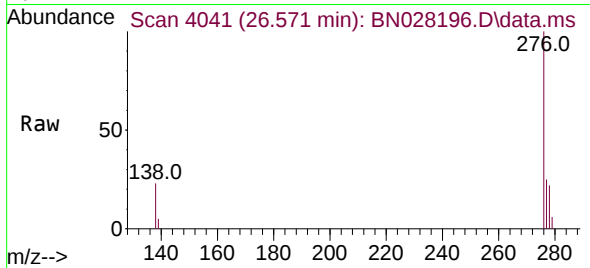




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 16.889 ng
 RT: 26.571 min Scan# 4055
 Delta R.T. 0.015 min
 Lab File: BN028196.D
 Acq: 10 Oct 2023 14:25

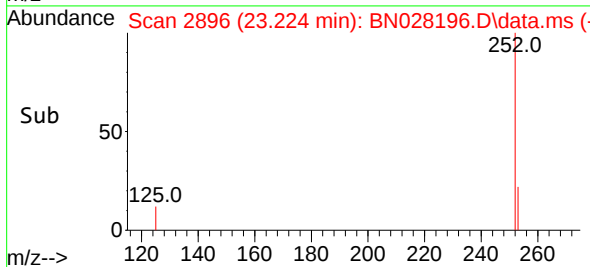
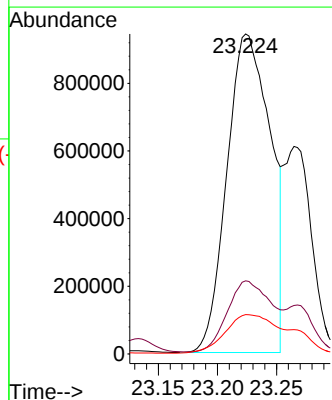
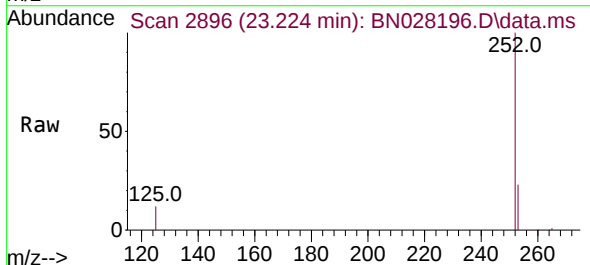
Instrument :
 BNA_N
 ClientSampleId :
 U-2(0-2IN)

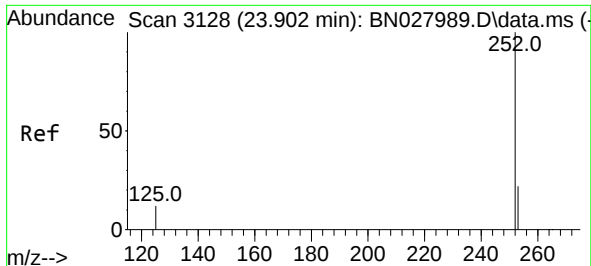
Tgt Ion:276 Resp: 1288375
 Ion Ratio Lower Upper
 276 100
 138 23.6 20.9 31.3
 277 24.8 19.8 29.6



#37
 Benzo(b)fluoranthene
 Concen: 32.933 ng
 RT: 23.224 min Scan# 2896
 Delta R.T. 0.012 min
 Lab File: BN028196.D
 Acq: 10 Oct 2023 14:25

Tgt Ion:252 Resp: 2412190
 Ion Ratio Lower Upper
 252 100
 253 22.9 22.9 34.3#
 125 12.3 13.8 20.8#

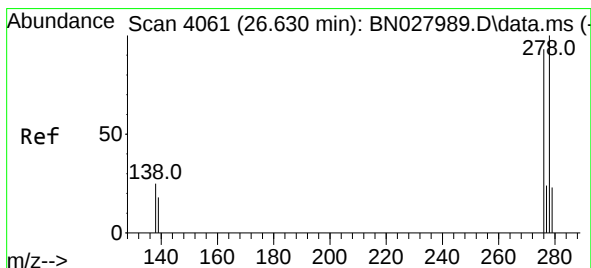
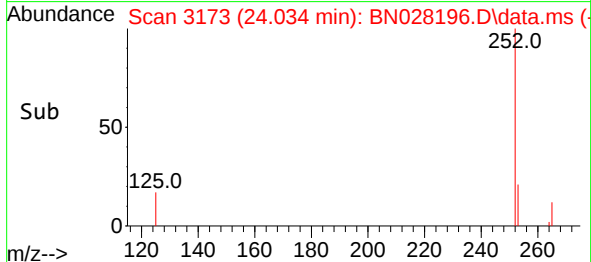
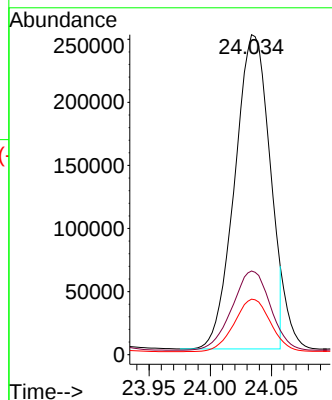
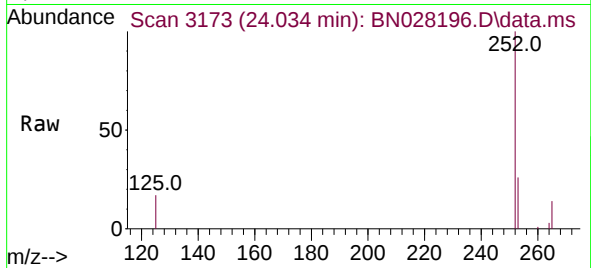




#39
Benzo(a)pyrene
Concen: 7.101 ng
RT: 24.034 min Scan# 31
Delta R.T. 0.169 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

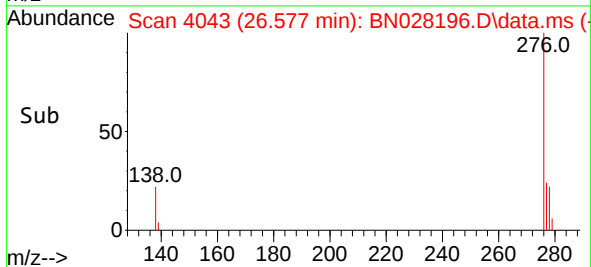
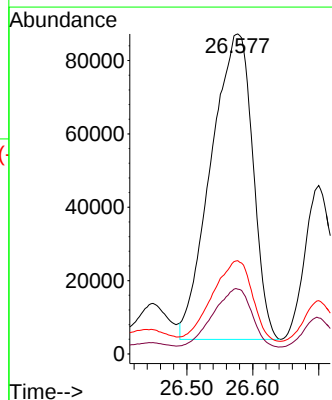
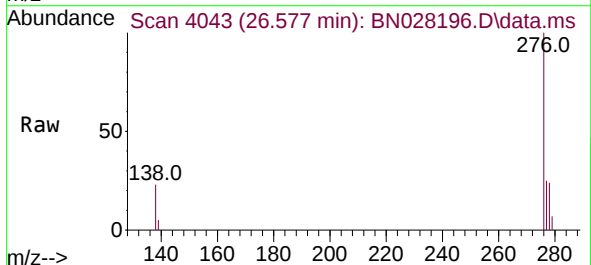
Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)

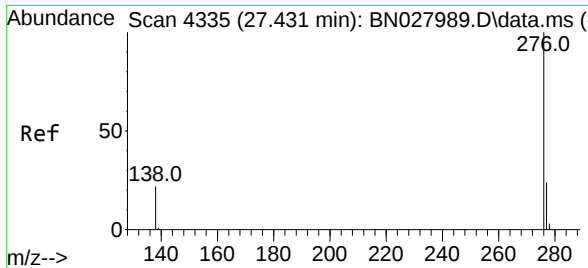
Tgt Ion:252 Resp: 491839
Ion Ratio Lower Upper
252 100
253 26.2 25.0 37.4
125 17.4 16.6 24.8



#40
Dibenzo(a,h)anthracene
Concen: 5.872 ng
RT: 26.577 min Scan# 4043
Delta R.T. -0.000 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

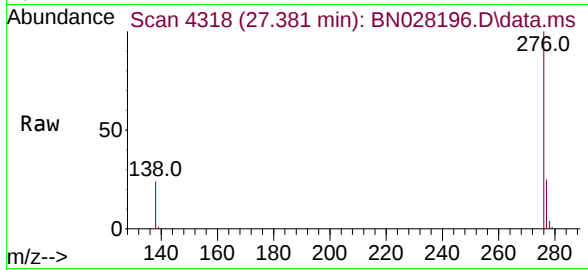
Tgt Ion:278 Resp: 366449
Ion Ratio Lower Upper
278 100
139 20.3 17.7 26.5
279 29.1 25.2 37.8





#41
Benzo(g,h,i)perylene
Concen: 19.957 ng
RT: 27.381 min Scan# 41
Delta R.T. 0.015 min
Lab File: BN028196.D
Acq: 10 Oct 2023 14:25

Instrument :
BNA_N
ClientSampleId :
U-2(0-2IN)



Tgt Ion:276 Resp: 1278308
Ion Ratio Lower Upper
276 100
277 24.5 22.1 33.1
138 23.9 20.8 31.2

