

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028228.D
 Acq On : 11 Oct 2023 10:46
 Operator : MA/JU
 Sample : 04693-01 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F-1(0-5)

Quant Time: Oct 11 11:14:17 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)

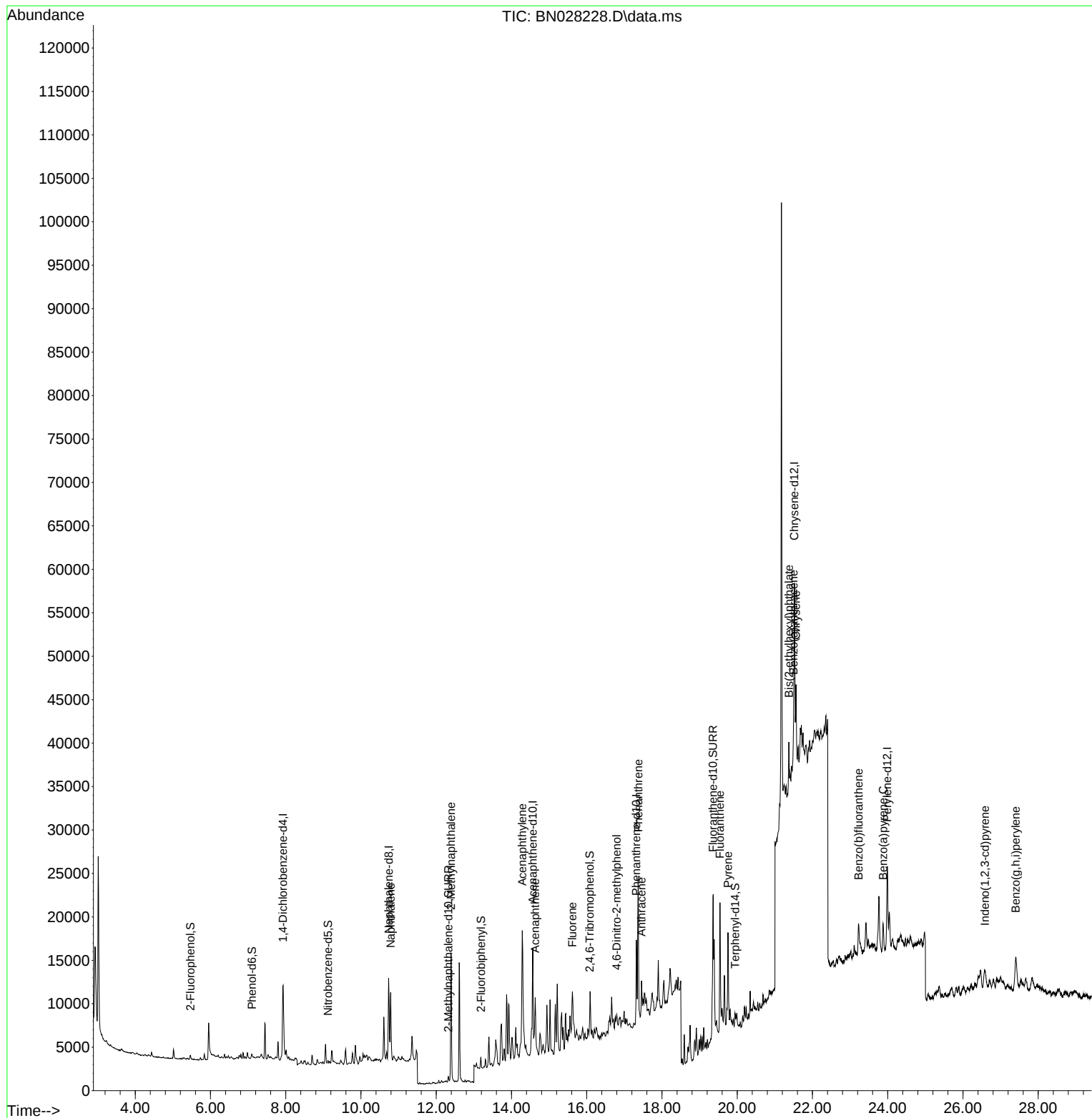
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	3986	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	12772	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	7009	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	13725	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	11972	0.400	ng	# 0.00
35) Perylene-d12	23.990	264	14380	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	502	0.042	ng	0.00
5) Phenol-d6	7.098	99	576	0.038	ng	0.00
8) Nitrobenzene-d5	9.123	82	433	0.040	ng	0.00
11) 2-Methylnaphthalene-d10	12.320	152	810	0.043	ng	0.00
14) 2,4,6-Tribromophenol	16.077	330	140	0.044	ng	0.00
15) 2-Fluorobiphenyl	13.186	172	1074	0.043	ng	0.00
27) Fluoranthene-d10	19.356	212	1475	0.043	ng	0.00
31) Terphenyl-d14	19.941	244	1406	0.050	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.789	128	7821	0.237	ng	96
12) 2-Methylnaphthalene	12.392	142	11313	0.490	ng	98
16) Acenaphthylene	14.288	152	30549	0.984	ng	97
17) Acenaphthene	14.630	154	4127	0.209	ng	# 92
18) Fluorene	15.618	166	6703	0.261	ng	# 84
20) 4,6-Dinitro-2-methylph...	16.797	198	233	1.277	ng	82
25) Phenanthrene	17.368	178	17901	0.484	ng	# 95
26) Anthracene	17.455	178	4966	0.142	ng	# 83
28) Fluoranthene	19.541	202	14934	0.350	ng	99
30) Pyrene	19.755	202	10793	0.246	ng	# 89
32) Benzo(a)anthracene	21.497	228	4598	0.113	ng	# 14
33) Chrysene	21.560	228	8575	0.218	ng	# 24
34) Bis(2-ethylhexyl)phtha...	21.372	149	4840	0.181	ng	# 79
36) Indeno(1,2,3-cd)pyrene	26.583	276	2722	0.056	ng	# 84
37) Benzo(b)fluoranthene	23.224	252	7126	0.153	ng	# 1
39) Benzo(a)pyrene	23.879	252	5179	0.118	ng	# 1
41) Benzo(g,h,i)perylene	27.402	276	7320	0.180	ng	# 20

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

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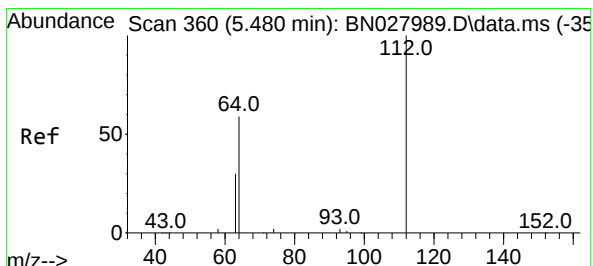
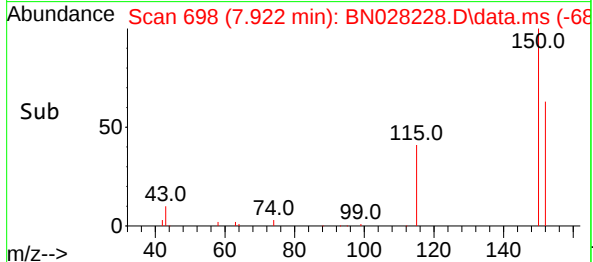
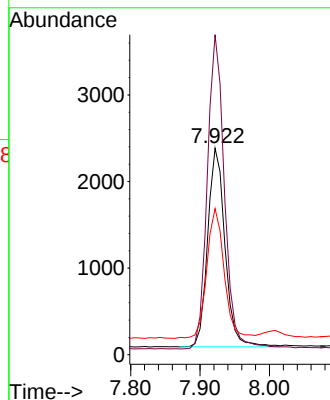
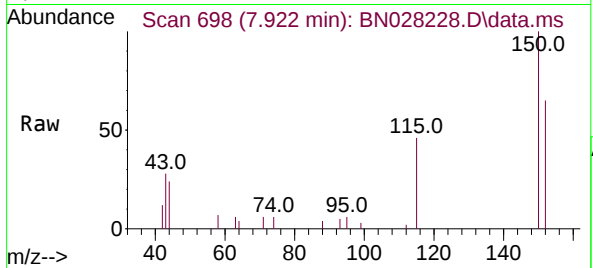




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

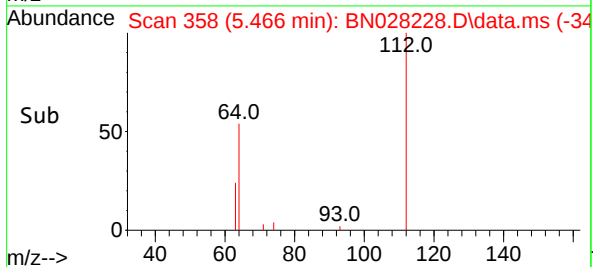
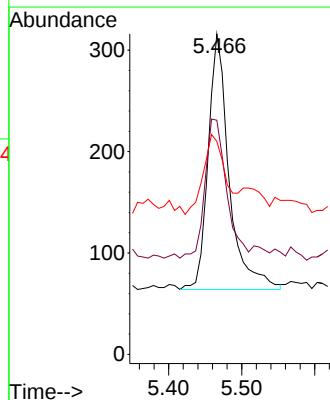
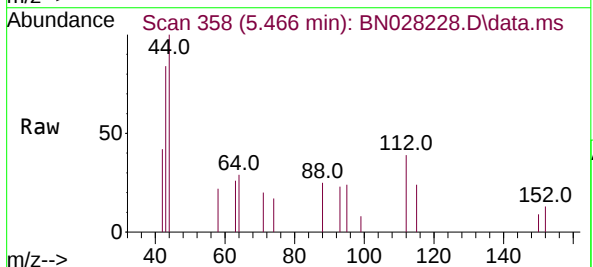
Instrument :
BNA_N
ClientSampleId :
F-1(0-5)

Tgt Ion:152 Resp: 3986
Ion Ratio Lower Upper
152 100
150 155.0 125.6 188.4
115 70.8 54.8 82.2



#4
2-Fluorophenol
Concen: 0.042 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

Tgt Ion:112 Resp: 502
Ion Ratio Lower Upper
112 100
64 55.4 45.0 67.6
63 32.9 23.4 35.0

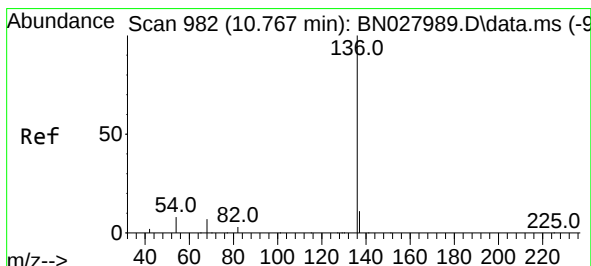
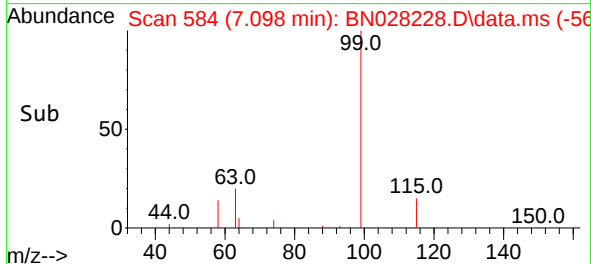
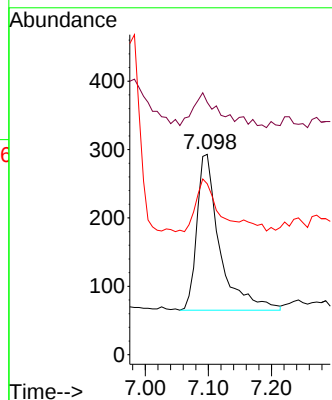
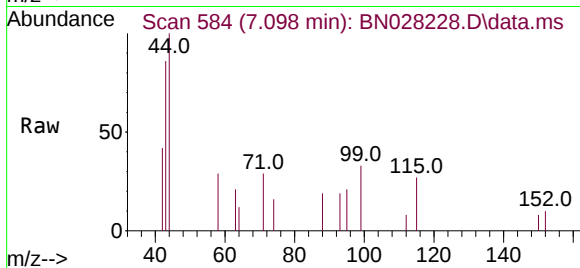




#5
Phenol-d6
Concen: 0.038 ng
RT: 7.098 min Scan# 584
Delta R.T. 0.007 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

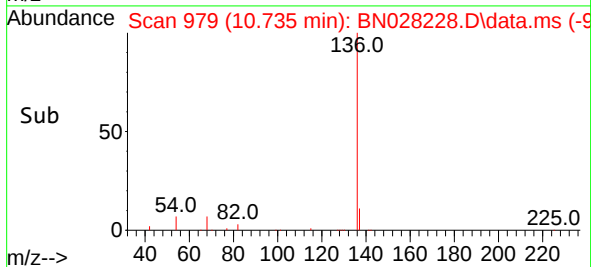
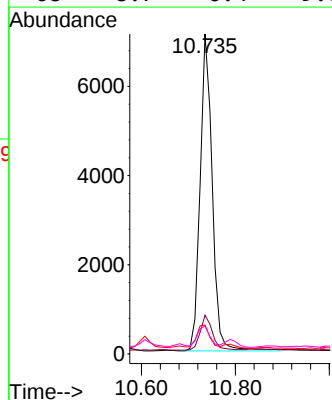
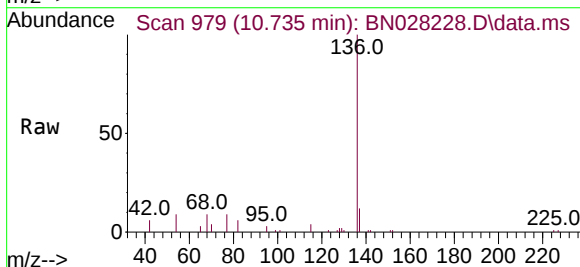
Instrument :
BNA_N
ClientSampleId :
F-1(0-5)

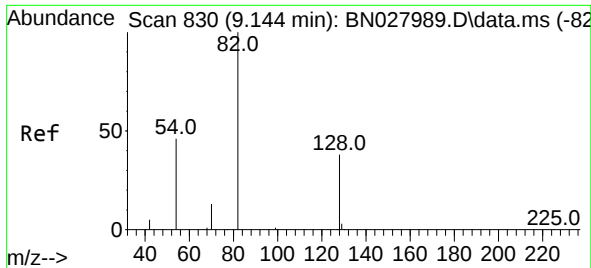
Tgt Ion: 99 Resp: 576
Ion Ratio Lower Upper
99 100
42 27.4 14.6 22.0#
71 31.1 28.3 42.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

Tgt Ion: 136 Resp: 12772
Ion Ratio Lower Upper
136 100
137 12.1 9.4 14.0
54 9.0 7.0 10.6
68 8.7 6.4 9.6

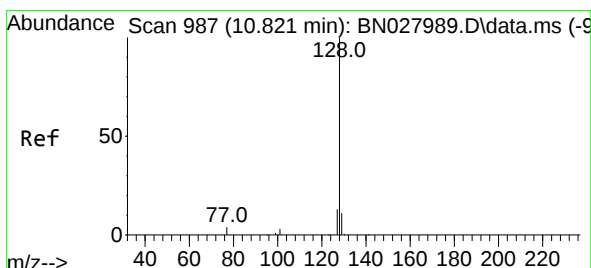
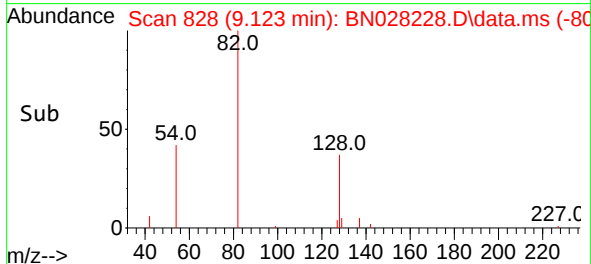
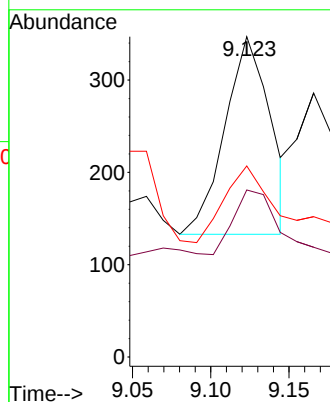
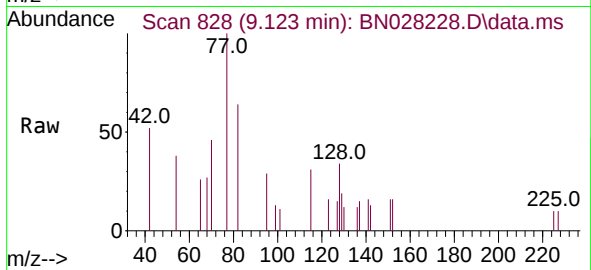




#8
Nitrobenzene-d5
Concen: 0.040 ng
RT: 9.123 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

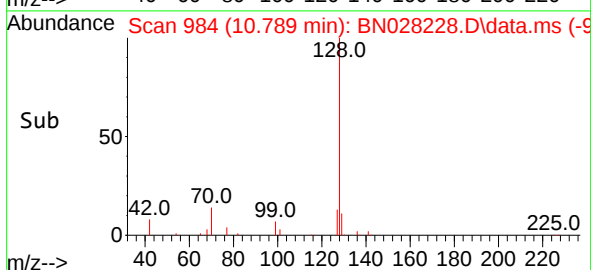
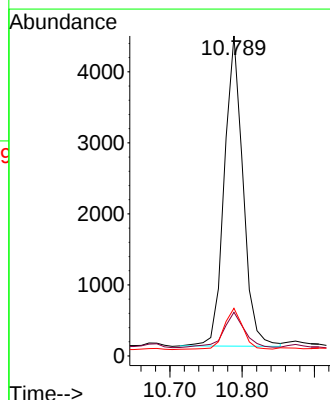
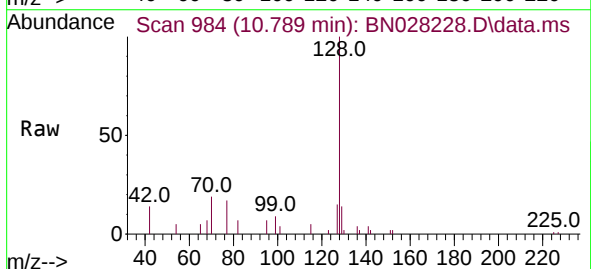
Instrument :
BNA_N
ClientSampleId :
F-1(0-5)

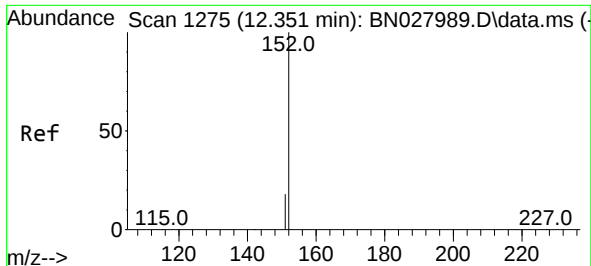
Tgt Ion: 82 Resp: 433
Ion Ratio Lower Upper
82 100
128 52.2 32.7 49.1#
54 59.7 38.7 58.1#



#9
Naphthalene
Concen: 0.237 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

Tgt Ion: 128 Resp: 7821
Ion Ratio Lower Upper
128 100
129 13.7 9.4 14.2
127 14.9 10.9 16.3

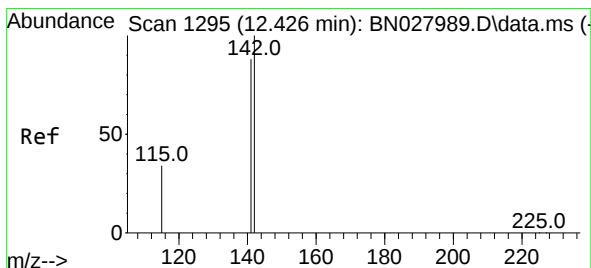
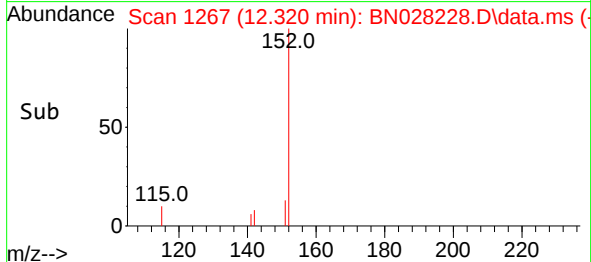
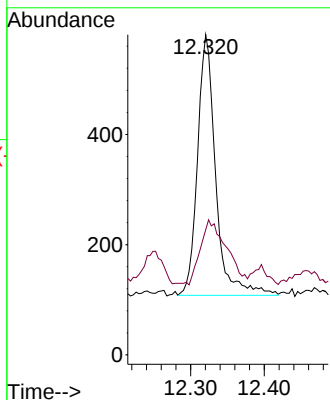
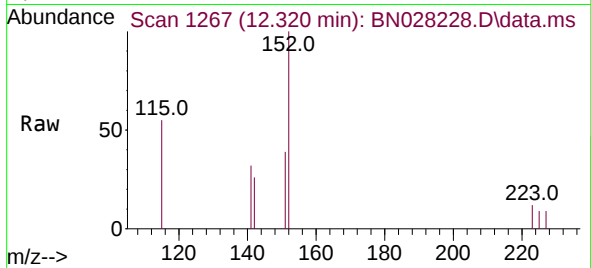




#11
2-Methylnaphthalene-d10
Concen: 0.043 ng
RT: 12.320 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

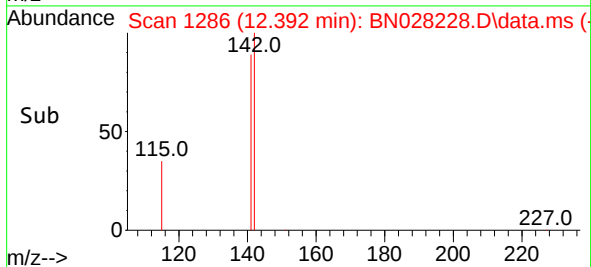
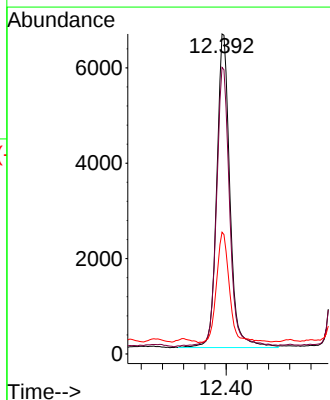
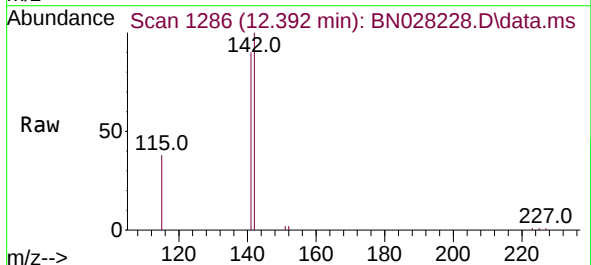
Instrument :
BNA_N
ClientSampleId :
F-1(0-5)

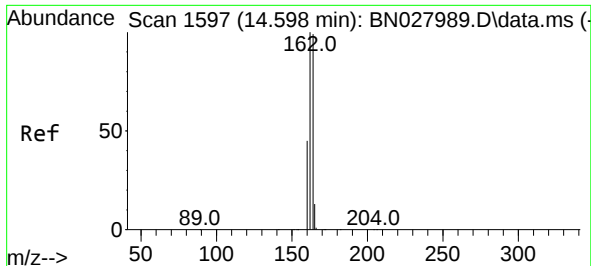
Tgt Ion:152 Resp: 810
Ion Ratio Lower Upper
152 100
151 34.2 16.5 24.7#



#12
2-Methylnaphthalene
Concen: 0.490 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

Tgt Ion:142 Resp: 11313
Ion Ratio Lower Upper
142 100
141 89.6 70.7 106.1
115 38.0 28.6 42.8

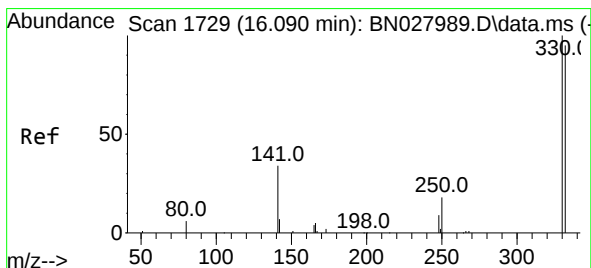
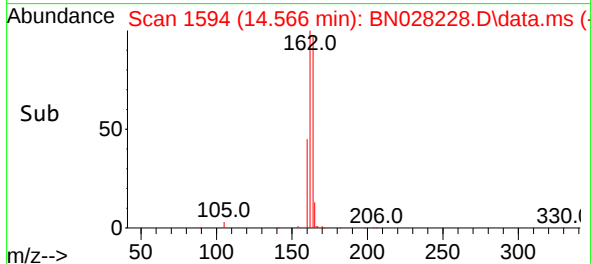
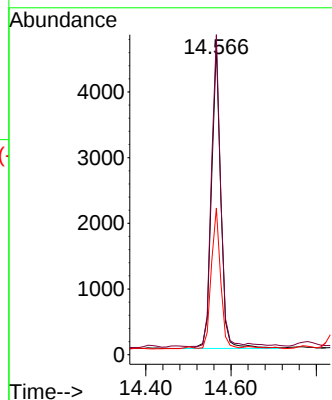
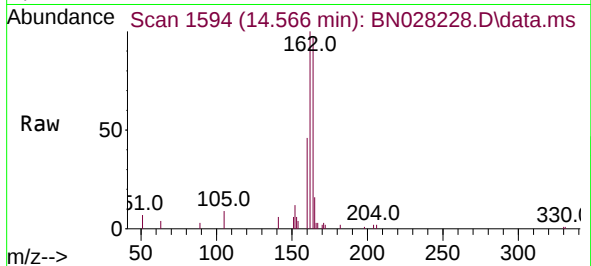




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.566 min Scan# 1594
 Delta R.T. -0.000 min
 Lab File: BN028228.D
 Acq: 11 Oct 2023 10:46

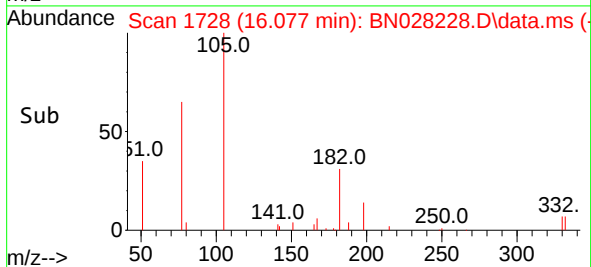
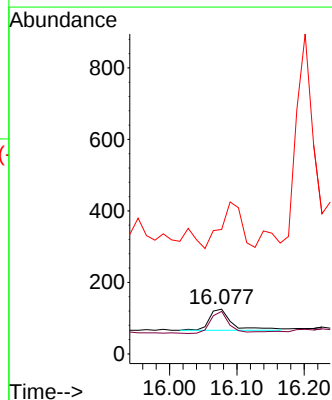
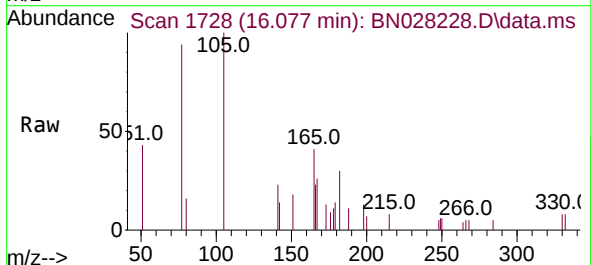
Instrument :
 BNA_N
 ClientSampleId :
 F-1(0-5)

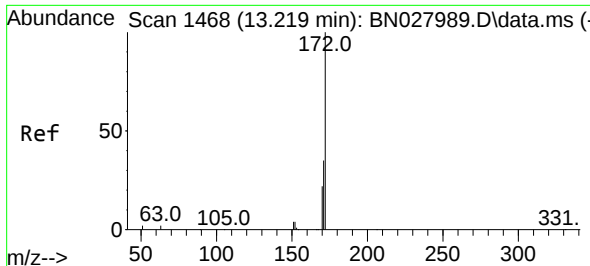
Tgt Ion:164 Resp: 7009
 Ion Ratio Lower Upper
 164 100
 162 103.4 80.8 121.2
 160 47.5 36.4 54.6



#14
 2,4,6-Tribromophenol
 Concen: 0.044 ng
 RT: 16.077 min Scan# 1728
 Delta R.T. -0.000 min
 Lab File: BN028228.D
 Acq: 11 Oct 2023 10:46

Tgt Ion:330 Resp: 140
 Ion Ratio Lower Upper
 330 100
 332 86.4 78.1 117.1
 141 195.0 33.4 50.2#

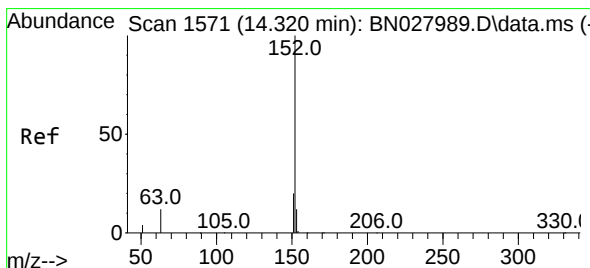
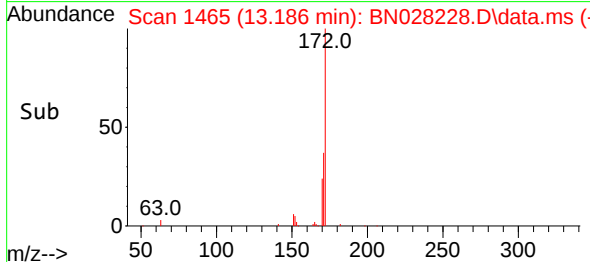
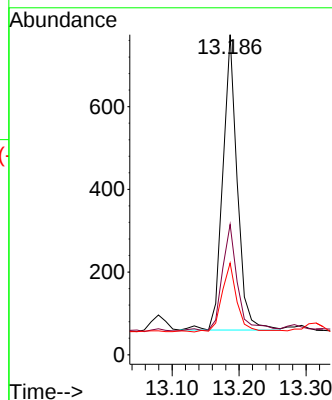
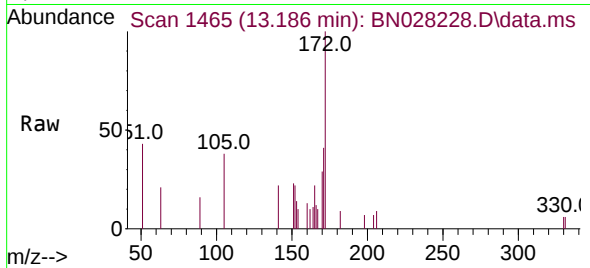




#15
2-Fluorobiphenyl
Concen: 0.043 ng
RT: 13.186 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

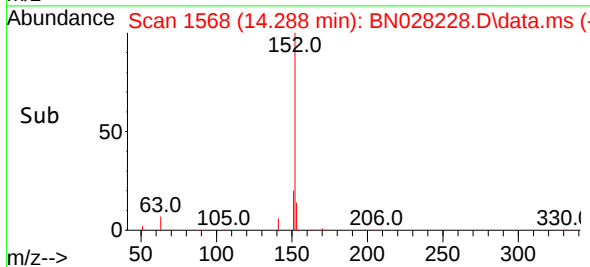
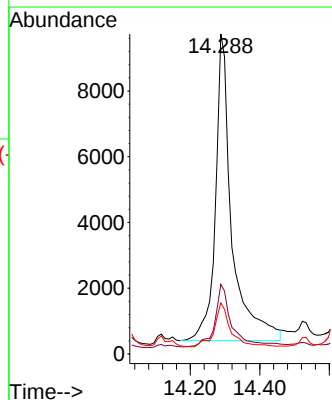
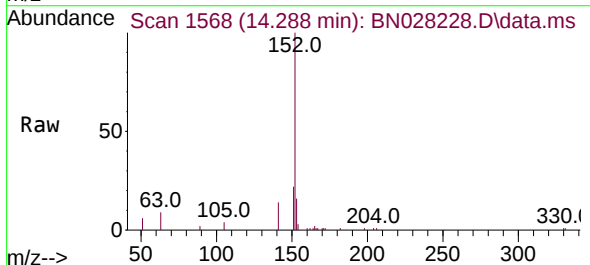
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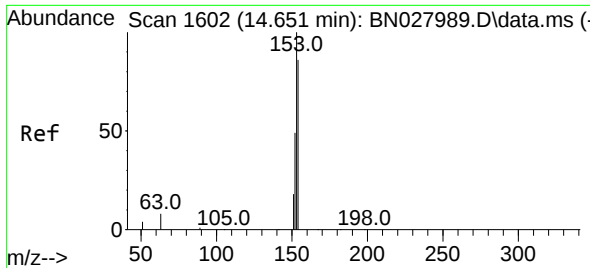
Tgt Ion:172 Resp: 1074
Ion Ratio Lower Upper
172 100
171 40.7 28.1 42.1
170 28.7 18.4 27.6#



#16
Acenaphthylene
Concen: 0.984 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

Tgt Ion:152 Resp: 30549
Ion Ratio Lower Upper
152 100
151 21.3 15.8 23.6
153 14.1 10.2 15.4

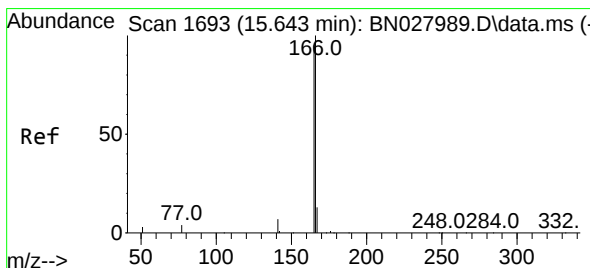
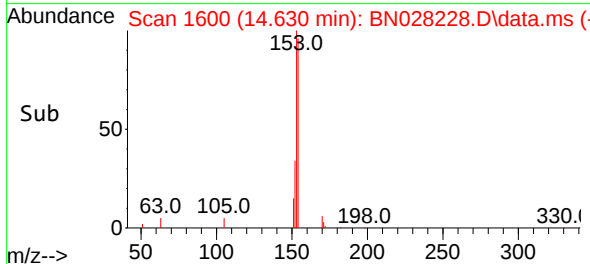
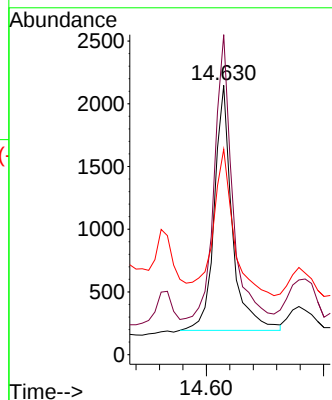
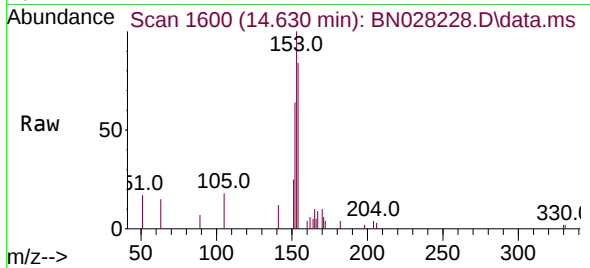




#17
Acenaphthene
Concen: 0.209 ng
RT: 14.630 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

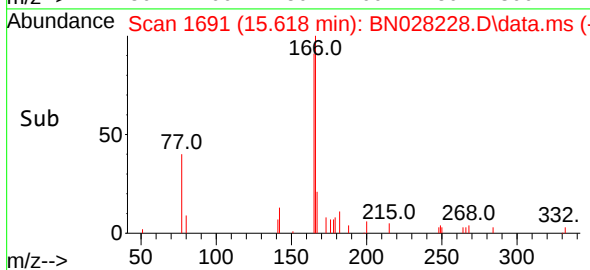
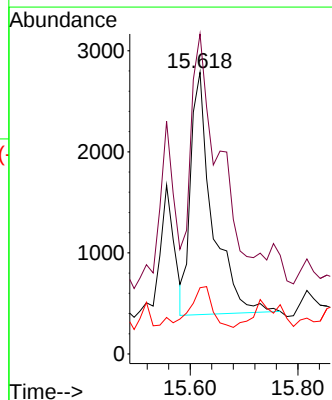
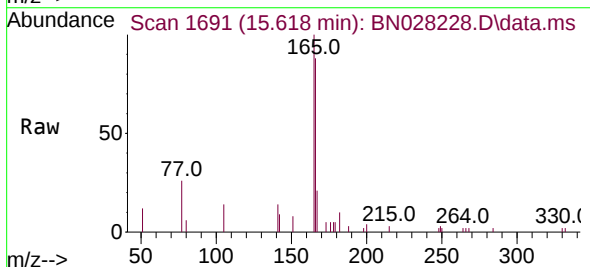
Instrument :
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F-1(0-5)

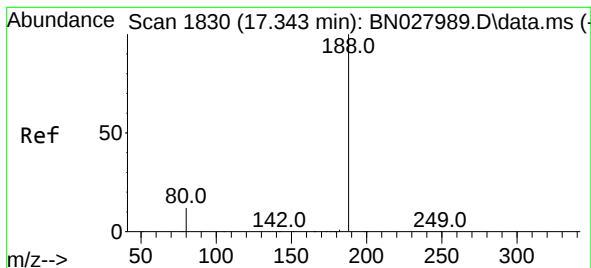
Tgt Ion:154 Resp: 4127
Ion Ratio Lower Upper
154 100
153 116.8 90.8 136.2
152 67.7 43.9 65.9#



#18
Fluorene
Concen: 0.261 ng
RT: 15.618 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

Tgt Ion:166 Resp: 6703
Ion Ratio Lower Upper
166 100
165 113.7 77.8 116.8
167 18.0 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: BN028228.D

Acq: 11 Oct 2023 10:46

Instrument :

BNA_N

ClientSampleId :

F-1(0-5)

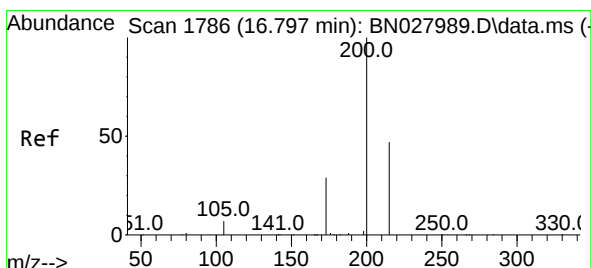
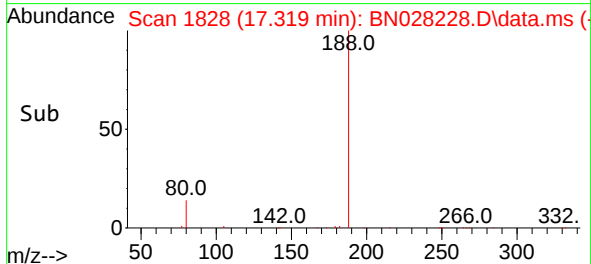
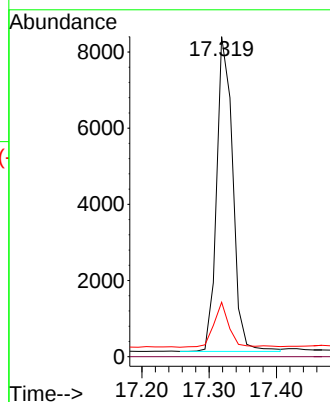
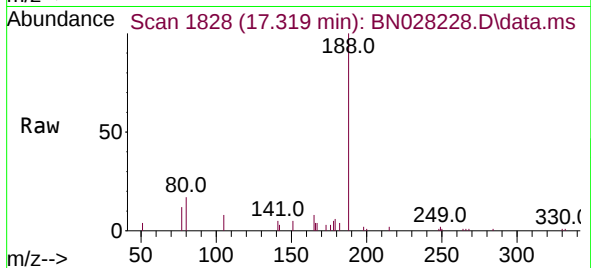
Tgt Ion:188 Resp: 13725

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 17.0 10.2 15.4#



#20

4,6-Dinitro-2-methylphenol

Concen: 1.277 ng

RT: 16.797 min Scan# 1786

Delta R.T. 0.012 min

Lab File: BN028228.D

Acq: 11 Oct 2023 10:46

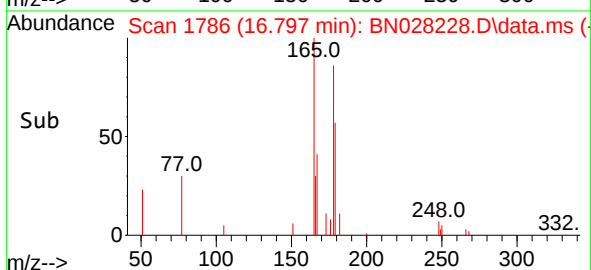
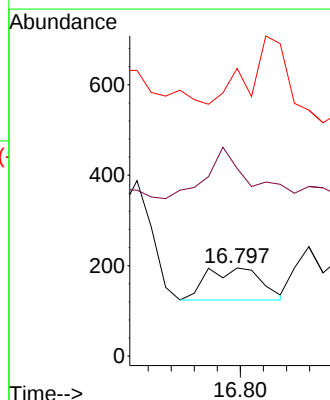
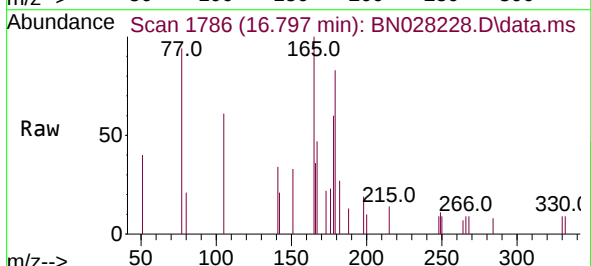
Tgt Ion:198 Resp: 233

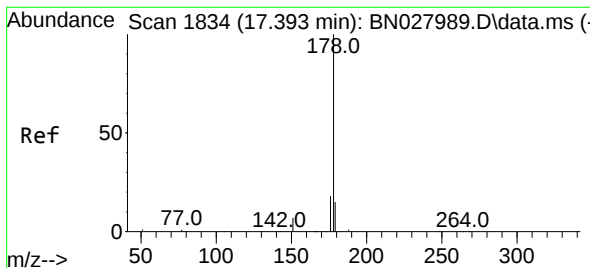
Ion Ratio Lower Upper

198 100

51 212.8 180.7 271.1

105 326.2 222.2 333.2





#25

Phenanthrene

Concen: 0.484 ng

RT: 17.368 min Scan# 1832

Delta R.T. -0.000 min

Lab File: BN028228.D

Acq: 11 Oct 2023 10:46

Instrument :

BNA_N

ClientSampleId :

F-1(0-5)

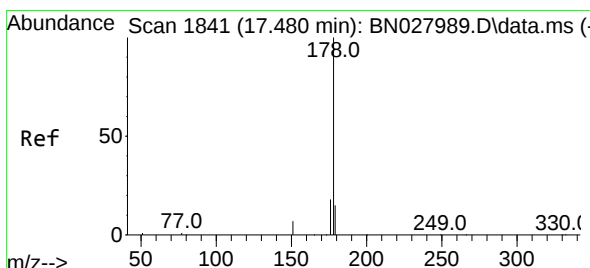
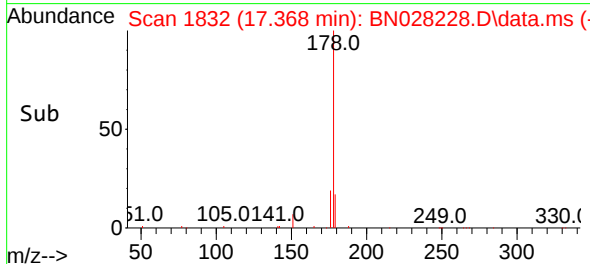
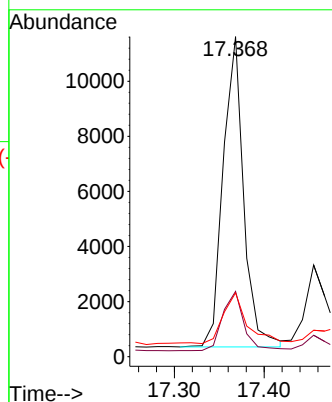
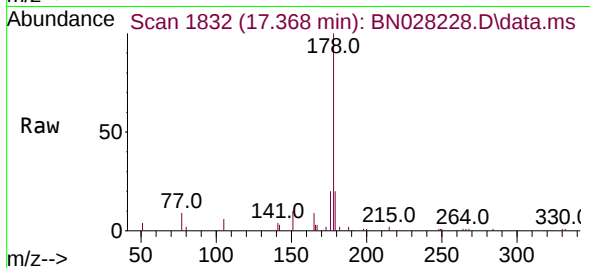
Tgt Ion:178 Resp: 17901

Ion Ratio Lower Upper

178 100

176 20.4 15.3 22.9

179 19.1 12.4 18.6#



#26

Anthracene

Concen: 0.142 ng

RT: 17.455 min Scan# 1839

Delta R.T. -0.000 min

Lab File: BN028228.D

Acq: 11 Oct 2023 10:46

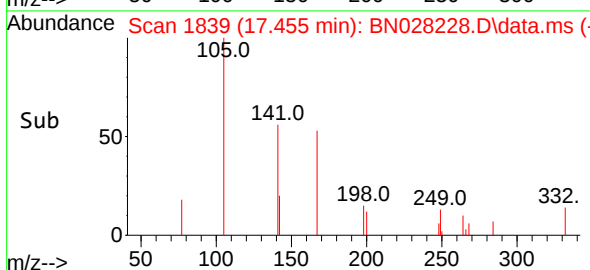
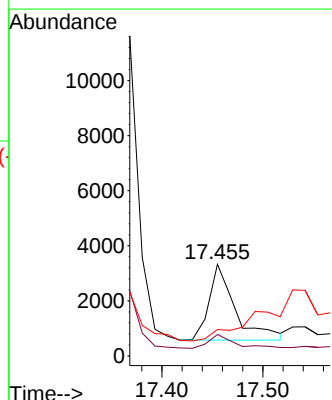
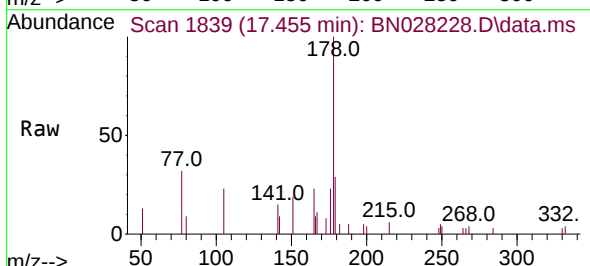
Tgt Ion:178 Resp: 4966

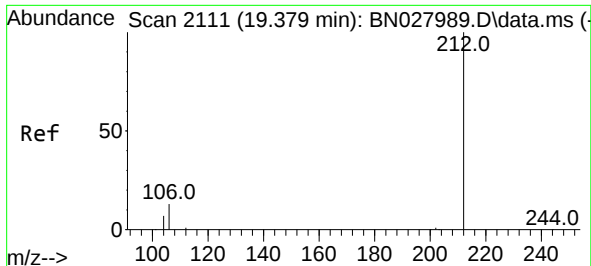
Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 0.0 12.2 18.2#





#27

Fluoranthene-d10

Concen: 0.043 ng

RT: 19.356 min Scan# 2111

Delta R.T. -0.000 min

Lab File: BN028228.D

Acq: 11 Oct 2023 10:46

Instrument :

BNA_N

ClientSampleId :

F-1(0-5)

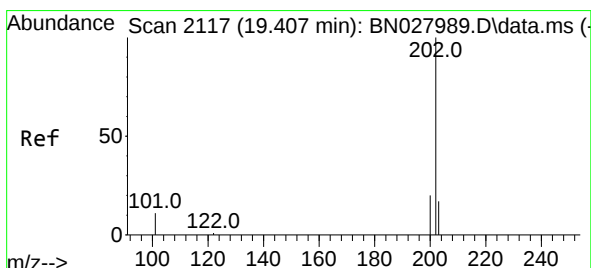
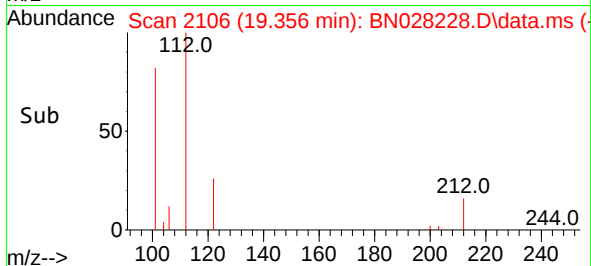
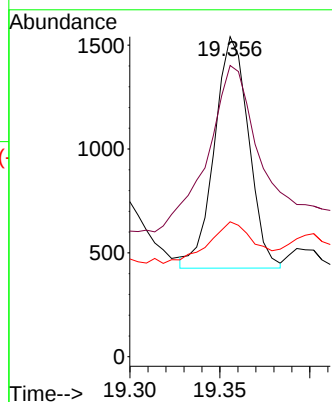
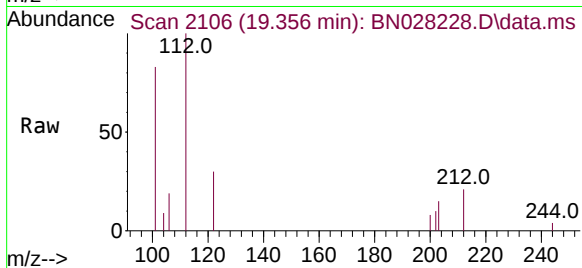
Tgt Ion:212 Resp: 1475

Ion Ratio Lower Upper

212 100

106 132.4 11.3 16.9#

104 22.3 6.4 9.6#



#28

Fluoranthene

Concen: 0.350 ng

RT: 19.541 min Scan# 2146

Delta R.T. 0.158 min

Lab File: BN028228.D

Acq: 11 Oct 2023 10:46

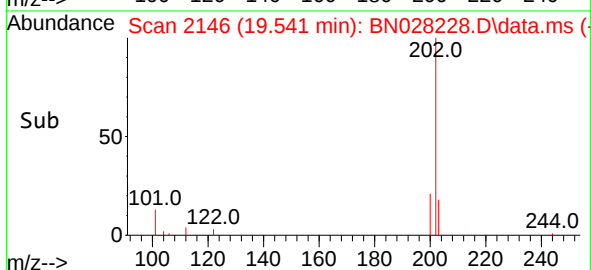
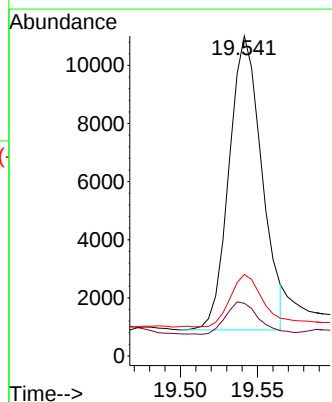
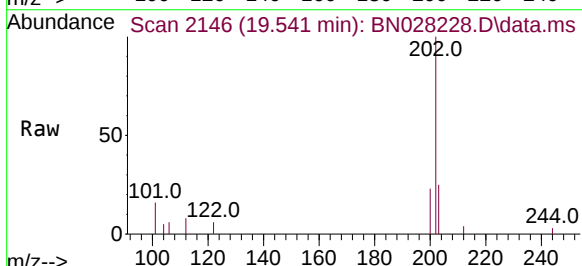
Tgt Ion:202 Resp: 14934

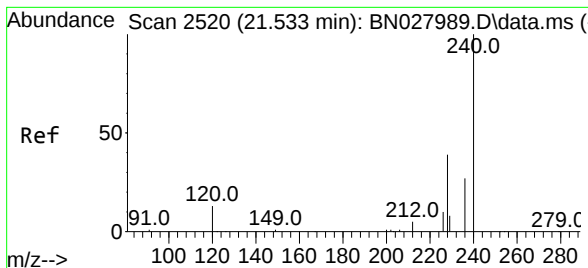
Ion Ratio Lower Upper

202 100

101 10.9 9.8 14.6

203 17.3 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.515 min Scan# 2192

Delta R.T. -0.000 min

Lab File: BN028228.D

Acq: 11 Oct 2023 10:46

Instrument :

BNA_N

ClientSampleId :

F-1(0-5)

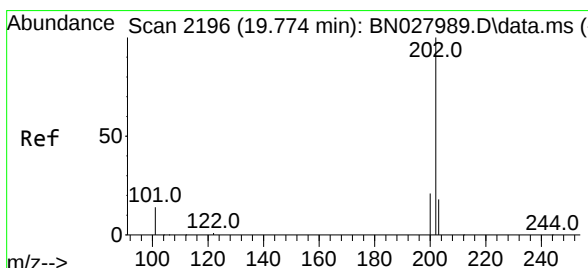
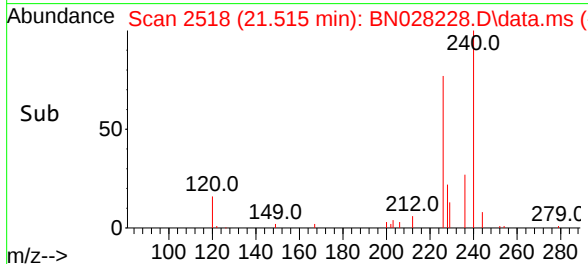
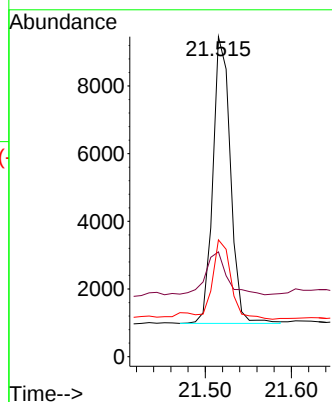
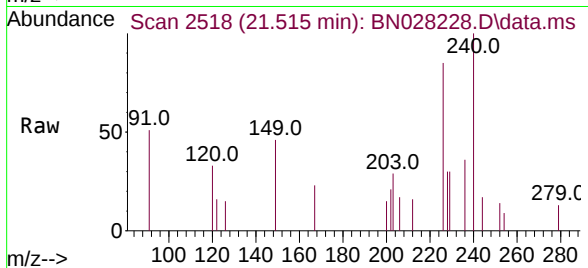
Tgt Ion:240 Resp: 11972

Ion Ratio Lower Upper

240 100

120 32.8 13.8 20.6#

236 36.5 22.6 33.8#



#30

Pyrene

Concen: 0.246 ng

RT: 19.755 min Scan# 2192

Delta R.T. 0.004 min

Lab File: BN028228.D

Acq: 11 Oct 2023 10:46

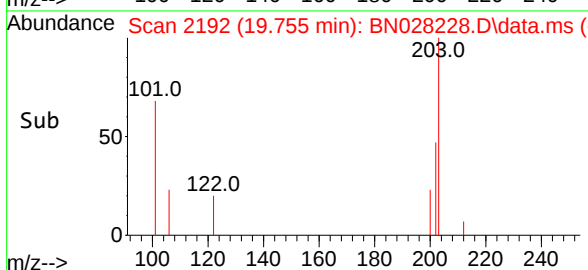
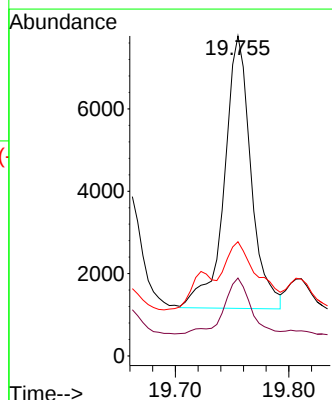
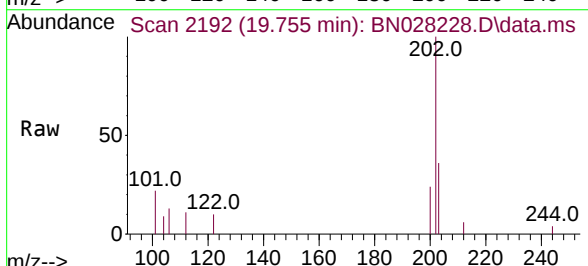
Tgt Ion:202 Resp: 10793

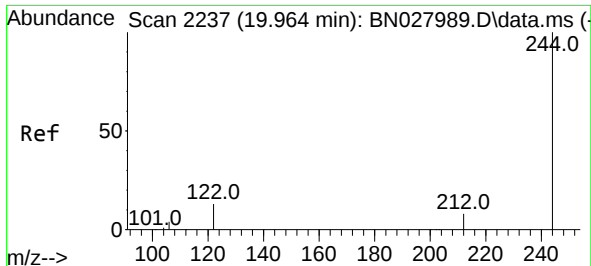
Ion Ratio Lower Upper

202 100

200 20.2 16.5 24.7

203 28.0 14.7 22.1#

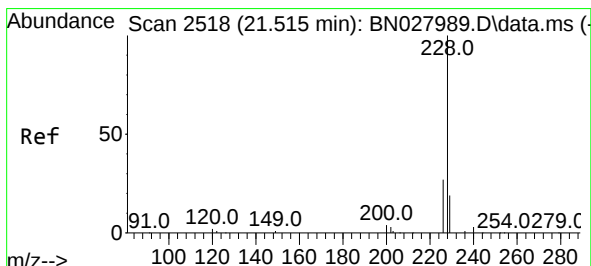
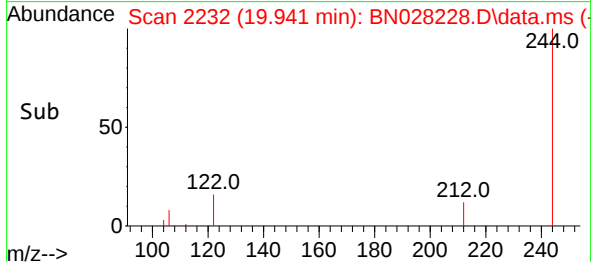
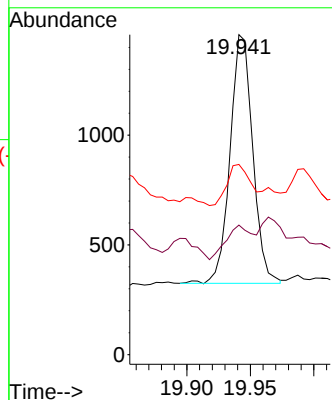
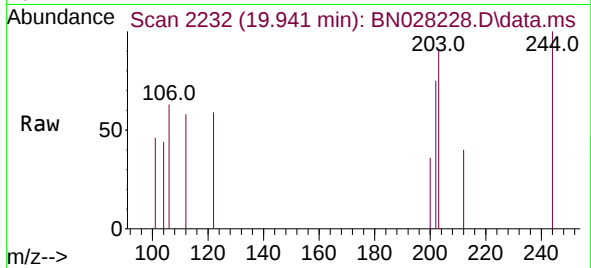




#31
 Terphenyl-d14
 Concen: 0.050 ng
 RT: 19.941 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN028228.D
 Acq: 11 Oct 2023 10:46

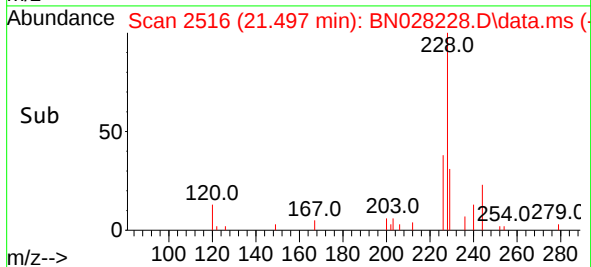
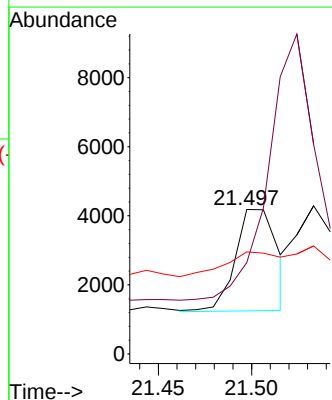
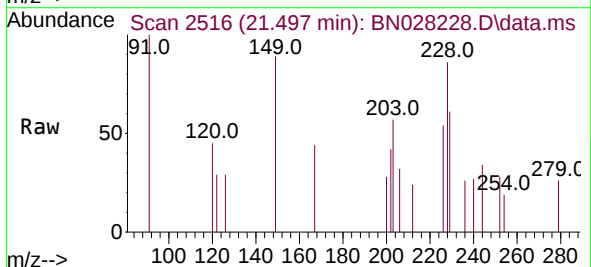
Instrument :
 BNA_N
 ClientSampleId :
 F-1(0-5)

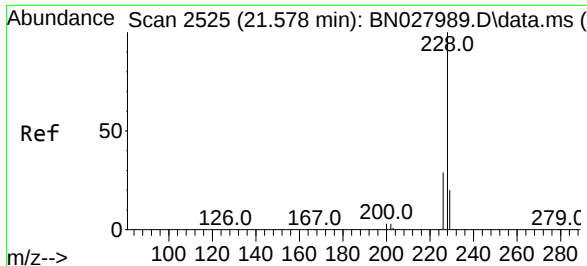
Tgt Ion:244 Resp: 1406
 Ion Ratio Lower Upper
 244 100
 212 40.5 6.6 9.8#
 122 59.5 11.4 17.0#



#32
 Benzo(a)anthracene
 Concen: 0.113 ng
 RT: 21.497 min Scan# 2516
 Delta R.T. -0.000 min
 Lab File: BN028228.D
 Acq: 11 Oct 2023 10:46

Tgt Ion:228 Resp: 4598
 Ion Ratio Lower Upper
 228 100
 226 63.2 22.0 33.0#
 229 70.6 16.0 24.0#

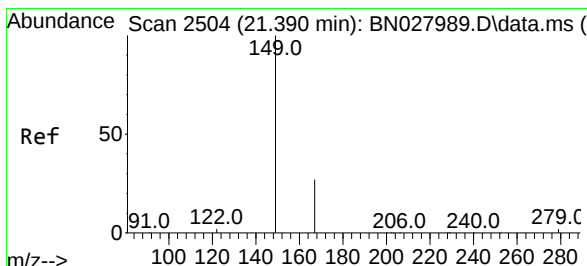
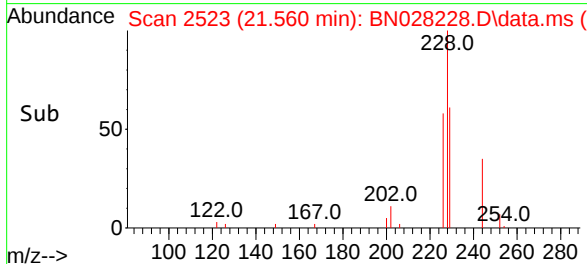
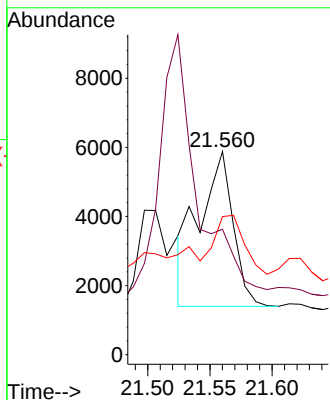
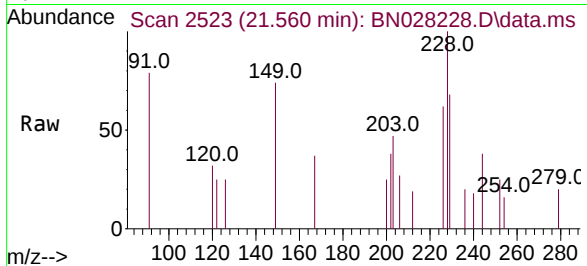




#33
Chrysene
Concen: 0.218 ng
RT: 21.560 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

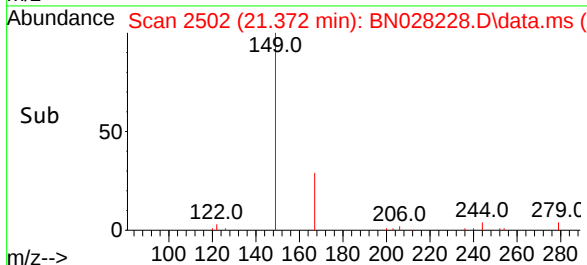
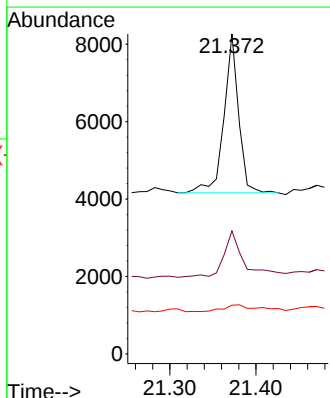
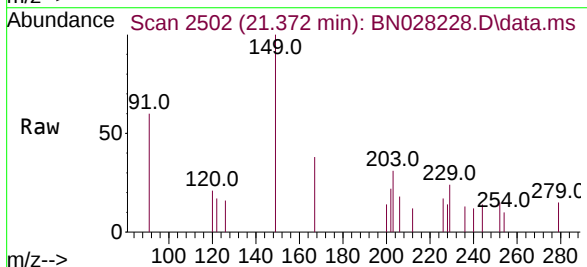
Instrument :
BNA_N
ClientSampleId :
F-1(0-5)

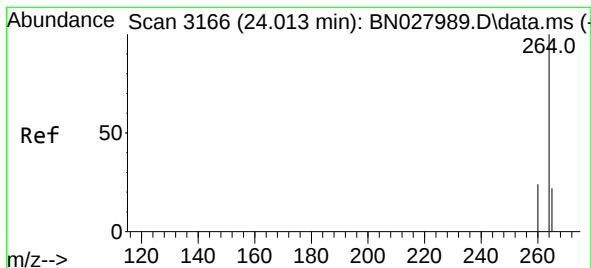
Tgt Ion:228 Resp: 8575
Ion Ratio Lower Upper
228 100
226 61.7 23.8 35.8#
229 67.9 16.6 25.0#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.181 ng
RT: 21.372 min Scan# 2502
Delta R.T. 0.009 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

Tgt Ion:149 Resp: 4840
Ion Ratio Lower Upper
149 100
167 39.2 22.1 33.1#
279 9.2 3.4 5.0#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.990 min Scan# 3166

Delta R.T. 0.014 min

Lab File: BN028228.D

Acq: 11 Oct 2023 10:46

Instrument :

BNA_N

ClientSampleId :

F-1(0-5)

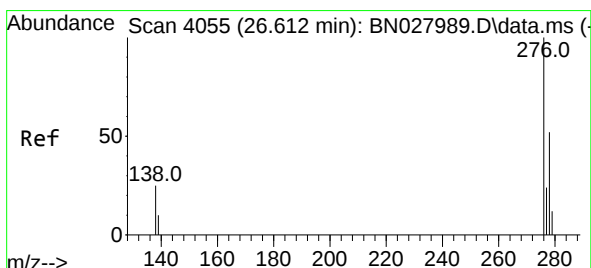
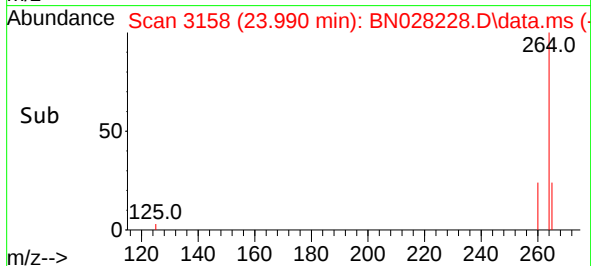
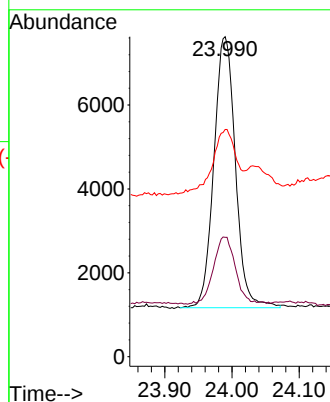
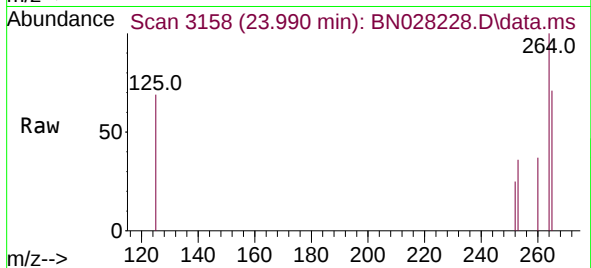
Tgt Ion:264 Resp: 14380

Ion Ratio Lower Upper

264 100

260 37.3 20.2 30.4#

265 71.0 54.8 82.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.056 ng

RT: 26.583 min Scan# 4045

Delta R.T. 0.026 min

Lab File: BN028228.D

Acq: 11 Oct 2023 10:46

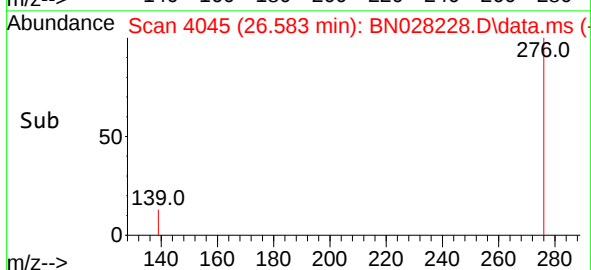
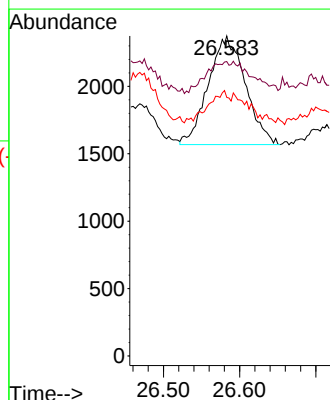
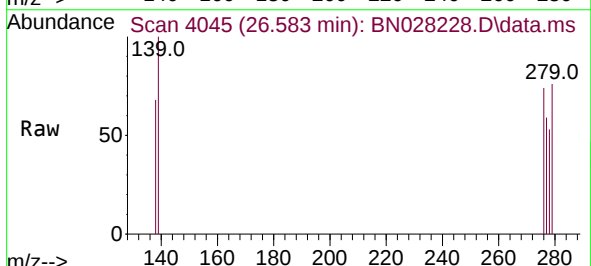
Tgt Ion:276 Resp: 2722

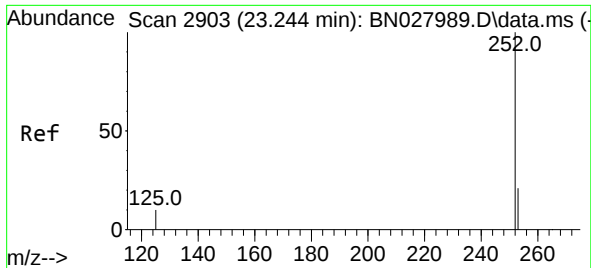
Ion Ratio Lower Upper

276 100

138 18.3 20.9 31.3#

277 16.8 19.8 29.6#

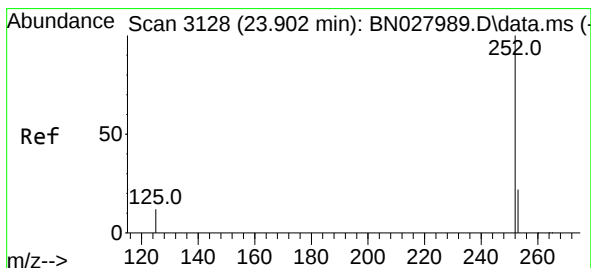
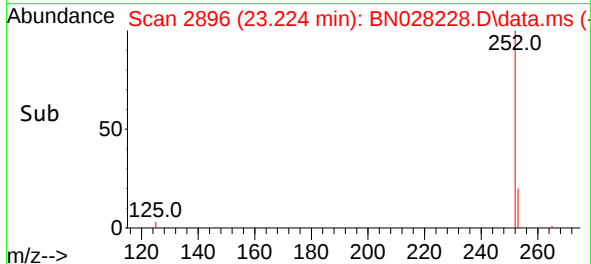
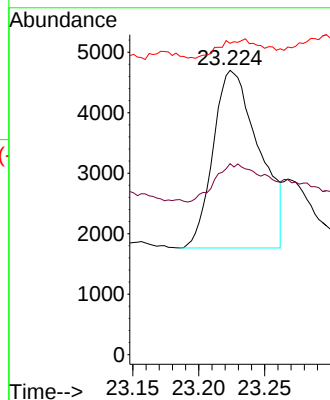
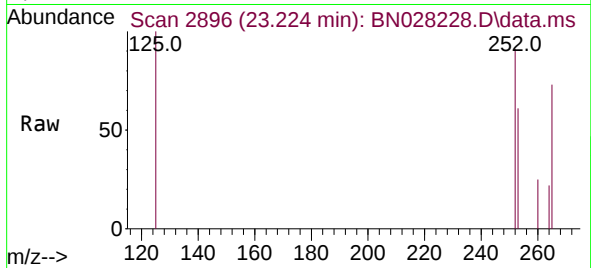




#37
Benzo(b)fluoranthene
Concen: 0.153 ng
RT: 23.224 min Scan# 21
Delta R.T. 0.012 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

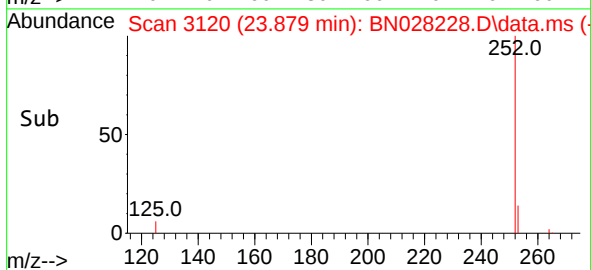
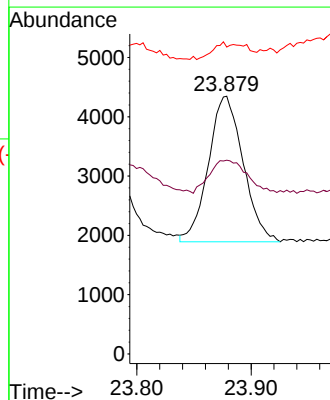
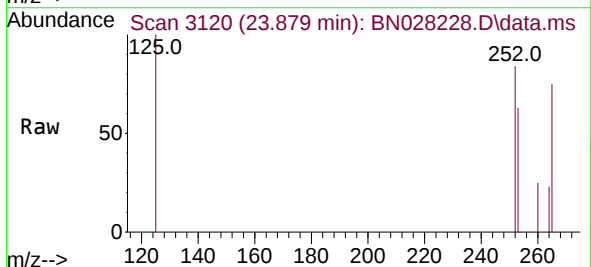
Instrument :
BNA_N
ClientSampleId :
F-1(0-5)

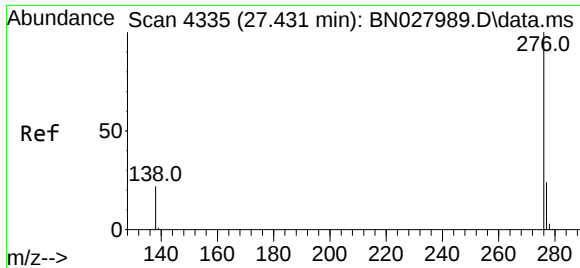
Tgt Ion:252 Resp: 7126
Ion Ratio Lower Upper
252 100
253 67.2 22.9 34.3#
125 109.5 13.8 20.8#



#39
Benzo(a)pyrene
Concen: 0.118 ng
RT: 23.879 min Scan# 3120
Delta R.T. 0.014 min
Lab File: BN028228.D
Acq: 11 Oct 2023 10:46

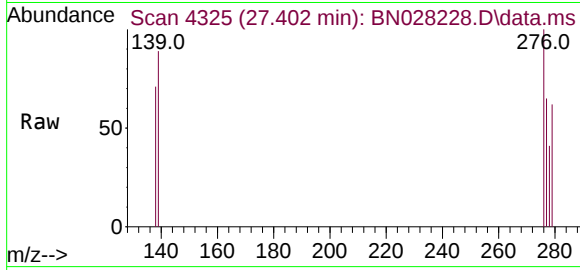
Tgt Ion:252 Resp: 5179
Ion Ratio Lower Upper
252 100
253 75.2 25.0 37.4#
125 119.1 16.6 24.8#





#41
 Benzo(g,h,i)perylene
 Concen: 0.180 ng
 RT: 27.402 min Scan# 41
 Delta R.T. 0.035 min
 Lab File: BN028228.D
 Acq: 11 Oct 2023 10:46

Instrument :
 BNA_N
 ClientSampleId :
 F-1(0-5)



Tgt Ion:	276	Resp:	7320
Ion	Ratio	Lower	Upper
276	100		
277	64.9	22.1	33.1#
138	71.1	20.8	31.2#

