

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
 Data File : BN022501.D
 Acq On : 04 Nov 2022 06:59
 Operator : CG/JU
 Sample : N5395-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-4-103122

Quant Time: Nov 04 07:34:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 03:28:17 2022
 Response via : Initial Calibration

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

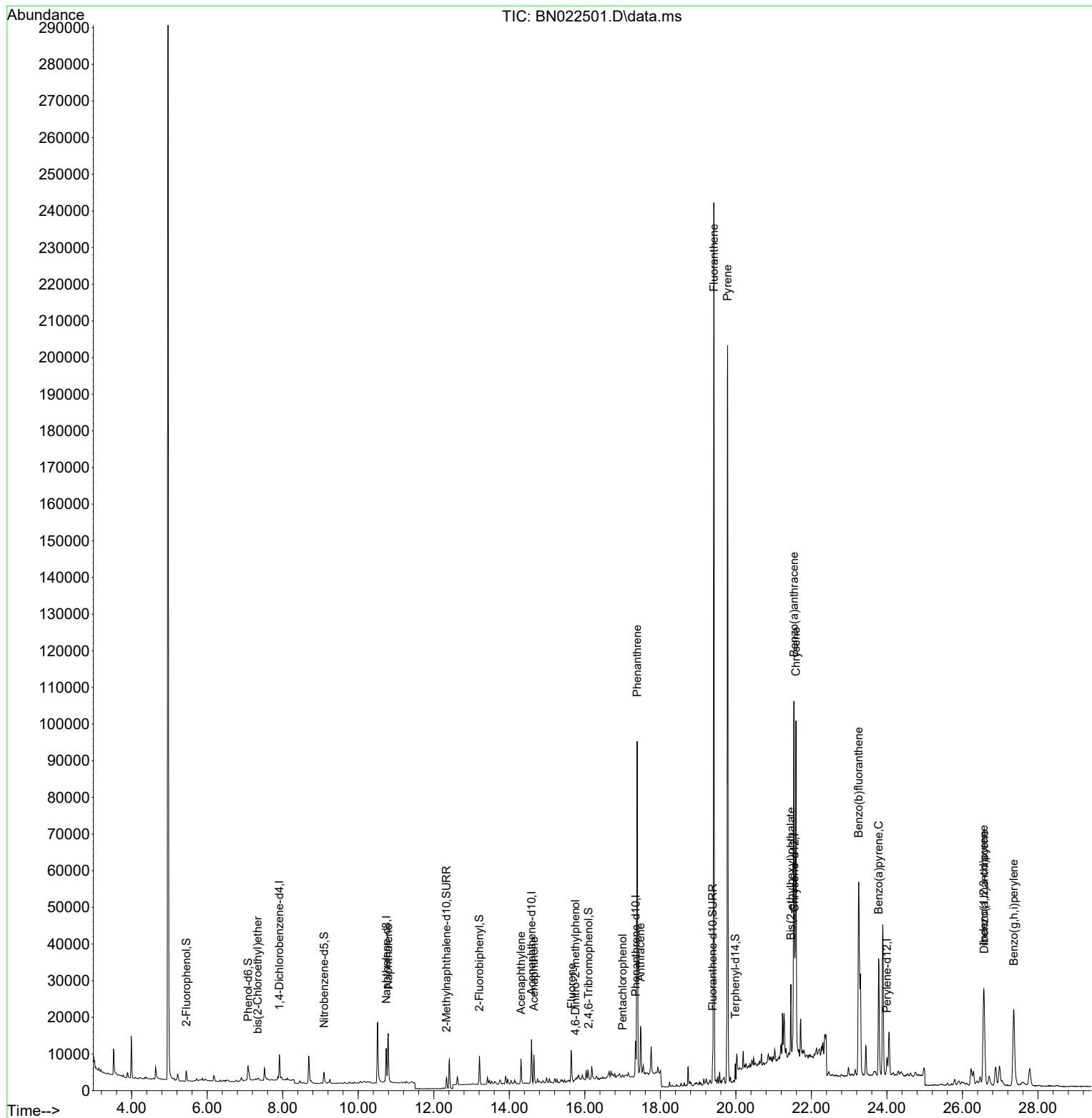
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	3568	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	12031	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	6649	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	13279	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	8924	0.400	ng	# 0.00
35) Perylene-d12	24.002	264	6750	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.450	112	2609	0.259	ng	0.00
5) Phenol-d6	7.083	99	4345	0.342	ng	0.00
8) Nitrobenzene-d5	9.097	82	2791	0.257	ng	-0.01
11) 2-Methylnaphthalene-d10	12.338	152	4564	0.226	ng	-0.01
14) 2,4,6-Tribromophenol	16.096	330	866	0.248	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	6862	0.248	ng	-0.01
27) Fluoranthene-d10	19.386	212	7644	0.211	ng	0.00
31) Terphenyl-d14	19.985	244	6669	0.240	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.335	93	365	0.032	ng	86
9) Naphthalene	10.795	128	17191	0.472	ng	97
16) Acenaphthylene	14.311	152	7358	0.218	ng	97
17) Acenaphthene	14.653	154	3678	0.169	ng	98
18) Fluorene	15.647	166	6020	0.198	ng	# 96
20) 4,6-Dinitro-2-methylph...	15.749	198	22	0.238	ng	# 1
24) Pentachlorophenol	17.002	266	40	0.178	ng	91
25) Phenanthrene	17.387	178	89847	2.024	ng	100
26) Anthracene	17.474	178	15822	0.405	ng	# 95
28) Fluoranthene	19.415	202	207728	4.343	ng	100
30) Pyrene	19.782	202	177513	4.607	ng	# 96
32) Benzo(a)anthracene	21.537	228	80300	2.238	ng	99
33) Chrysene	21.591	228	85491	2.405	ng	97
34) Bis(2-ethylhexyl)phtha...	21.457	149	16271	0.538	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.566	276	45183	1.390	ng	95
37) Benzo(b)fluoranthene	23.251	252	91459	3.446	ng	94
39) Benzo(a)pyrene	23.783	252	44209	1.945	ng	96
40) Dibenzo(a,h)anthracene	26.575	278	11114	0.430	ng	# 86
41) Benzo(g,h,i)perylene	27.359	276	45460	1.655	ng	96

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

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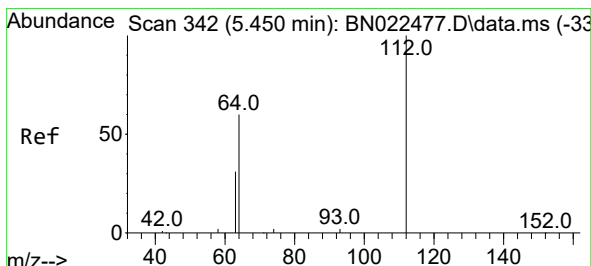
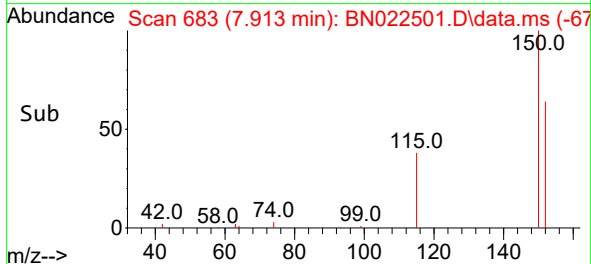
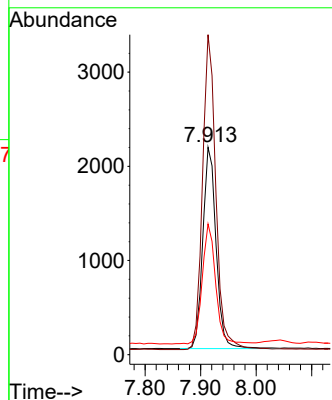
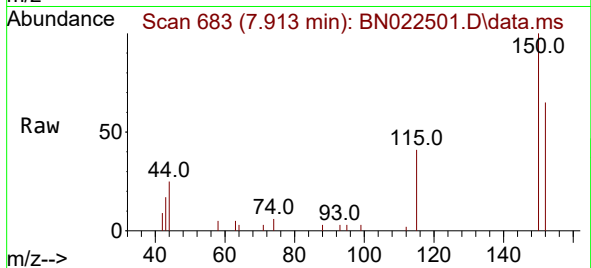




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.913 min Scan# 684
Delta R.T. -0.007 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

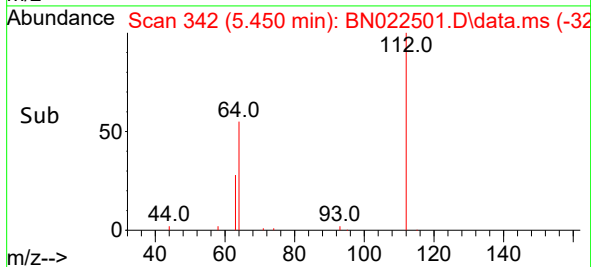
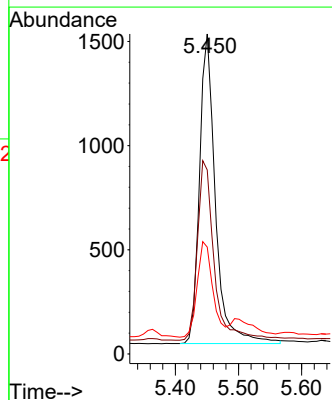
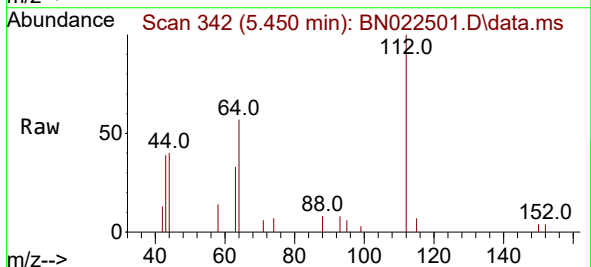
Instrument :
BNA_N
ClientSampleId :
S-4-103122

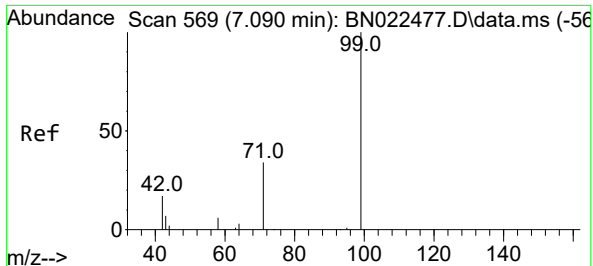
Tgt Ion:152 Resp: 3568
Ion Ratio Lower Upper
152 100
150 154.3 123.4 185.2
115 63.0 54.9 82.3



#4
2-Fluorophenol
Concen: 0.259 ng
RT: 5.450 min Scan# 342
Delta R.T. 0.000 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion:112 Resp: 2609
Ion Ratio Lower Upper
112 100
64 61.0 47.1 70.7
63 30.0 24.6 36.8

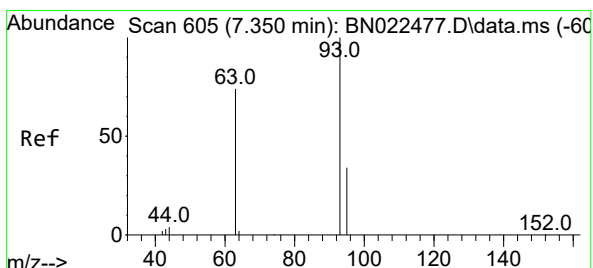
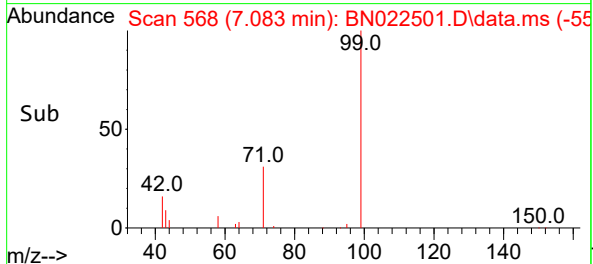
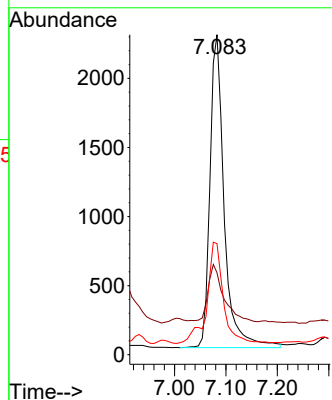
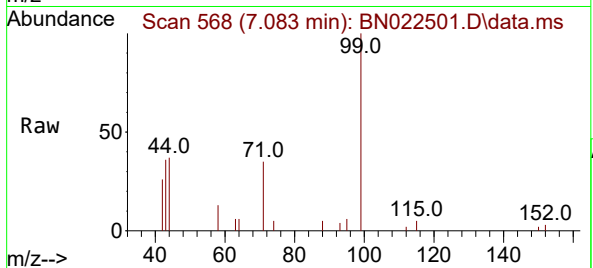




#5
Phenol-d6
Concen: 0.342 ng
RT: 7.083 min Scan# 50
Delta R.T. -0.007 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

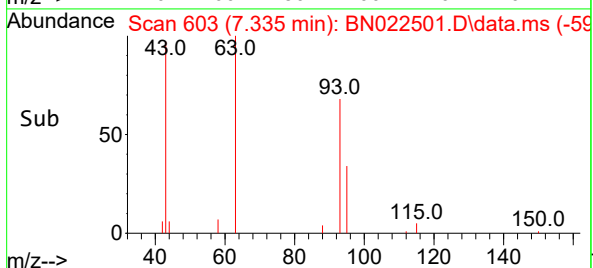
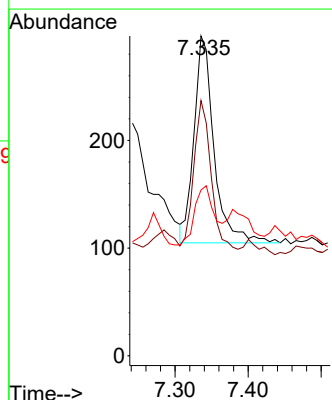
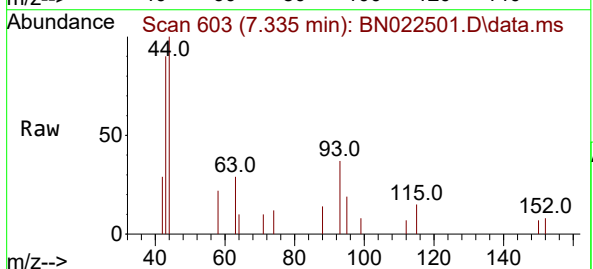
Instrument :
BNA_N
ClientSampleId :
S-4-103122

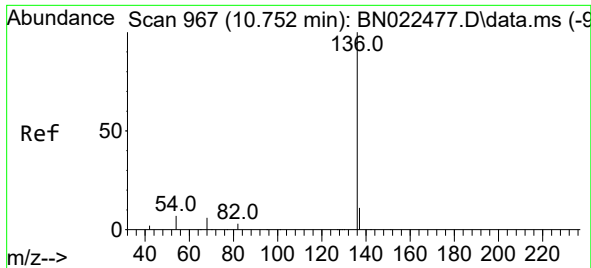
Tgt Ion: 99 Resp: 4345
Ion Ratio Lower Upper
99 100
42 19.8 14.7 22.1
71 37.9 27.0 40.6



#6
bis(2-Chloroethyl)ether
Concen: 0.032 ng
RT: 7.335 min Scan# 603
Delta R.T. -0.014 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion: 93 Resp: 365
Ion Ratio Lower Upper
93 100
63 61.4 61.2 91.8
95 28.2 25.7 38.5

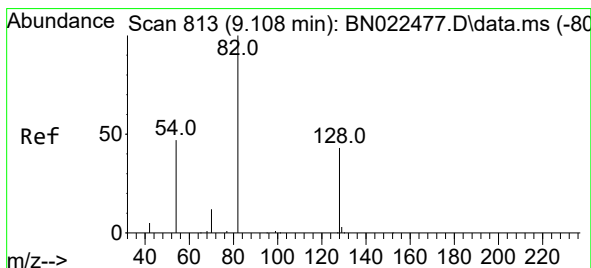
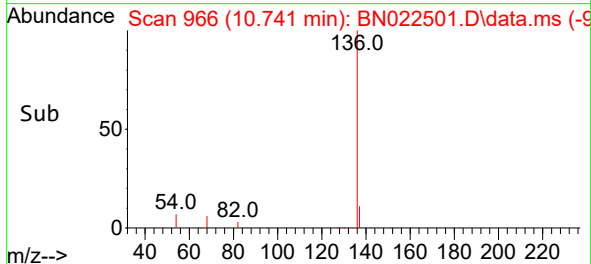
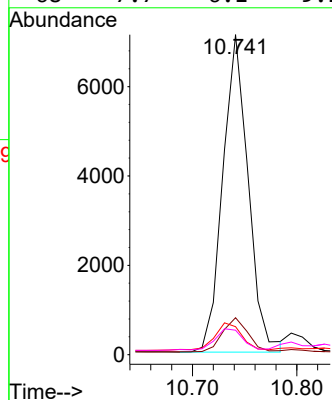
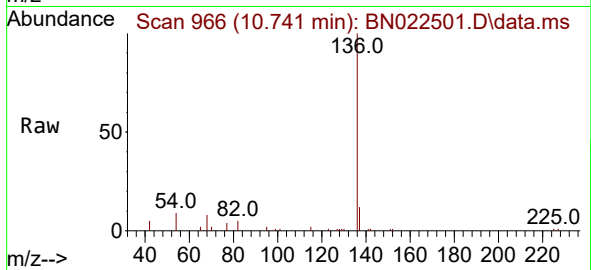




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 90
Delta R.T. -0.011 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

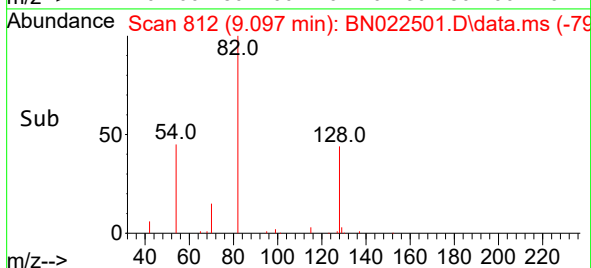
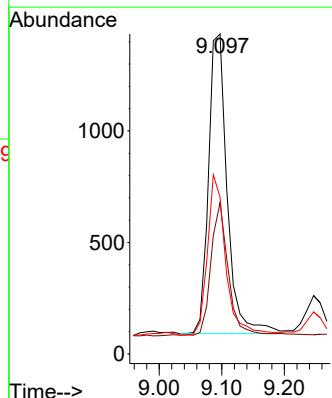
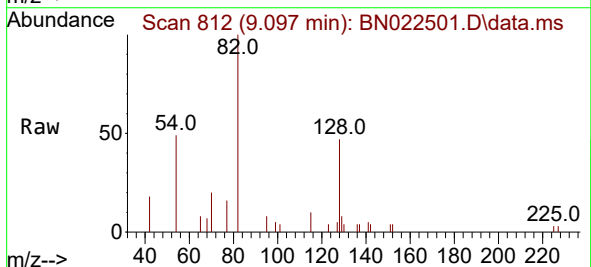
Instrument :
BNA_N
ClientSampleId :
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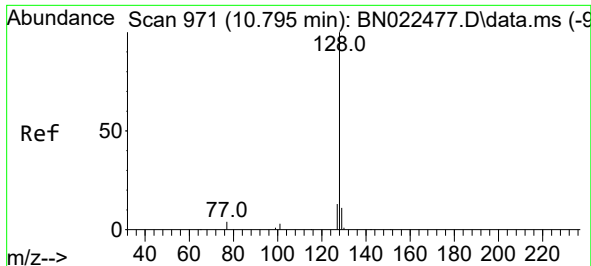
Tgt Ion:	136	Resp:	12031
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	8.7	7.1	10.7
68	7.7	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.257 ng
RT: 9.097 min Scan# 812
Delta R.T. -0.011 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion:	82	Resp:	2791
Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.3	55.9
54	49.0	40.0	60.0

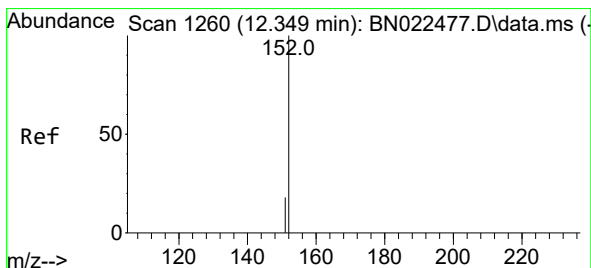
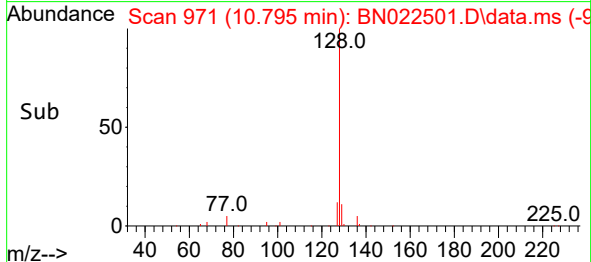
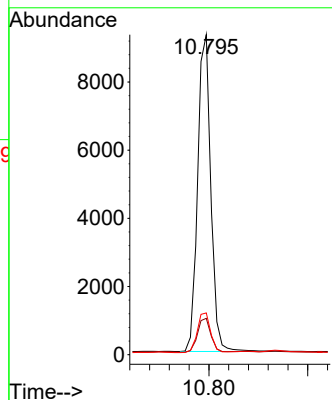
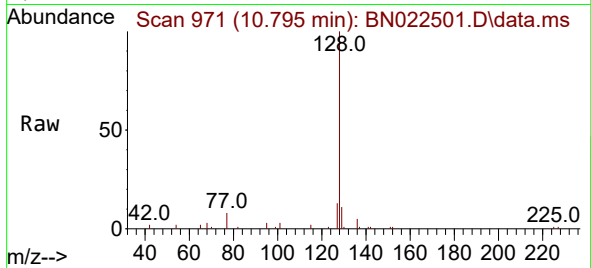




#9
Naphthalene
Concen: 0.472 ng
RT: 10.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

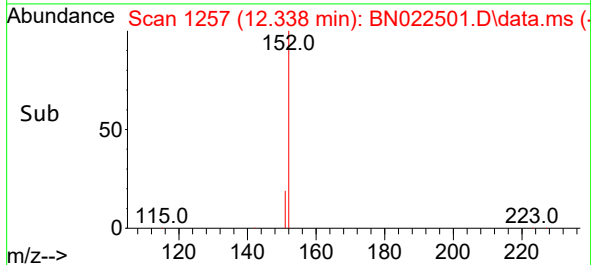
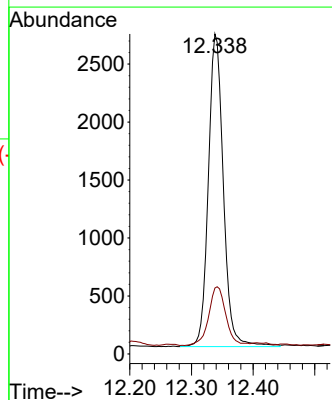
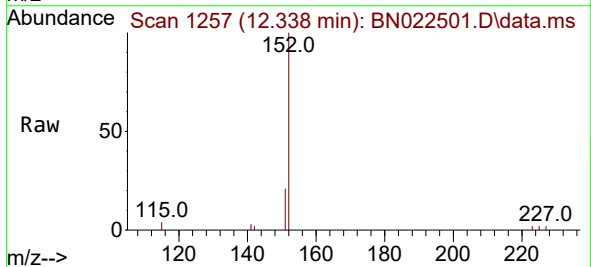
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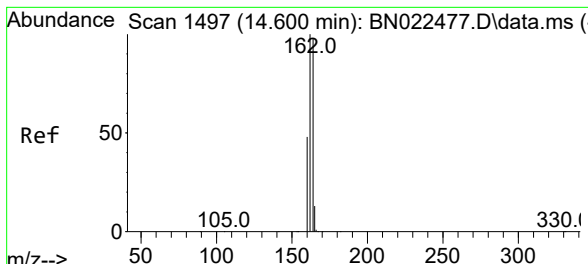
Tgt Ion:128 Resp: 17191
Ion Ratio Lower Upper
128 100
129 11.4 9.8 14.6
127 13.1 11.4 17.2



#11
2-Methylnaphthalene-d10
Concen: 0.226 ng
RT: 12.338 min Scan# 1257
Delta R.T. -0.011 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion:152 Resp: 4564
Ion Ratio Lower Upper
152 100
151 21.5 16.6 25.0

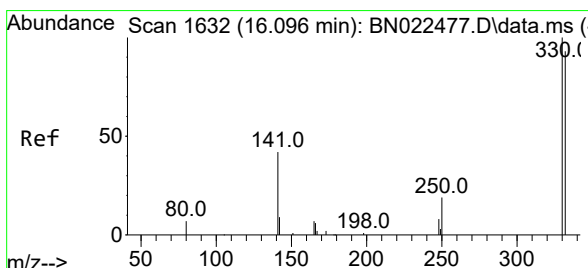
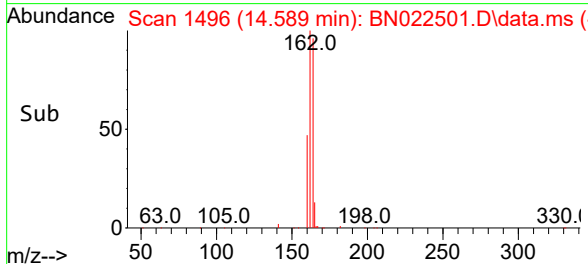
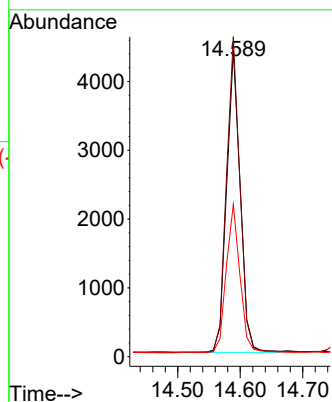
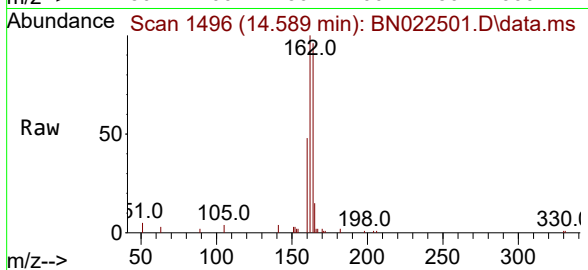




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.589 min Scan# 1496
 Delta R.T. -0.011 min
 Lab File: BN022501.D
 Acq: 04 Nov 2022 06:59

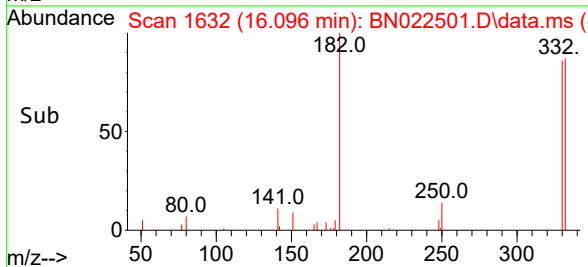
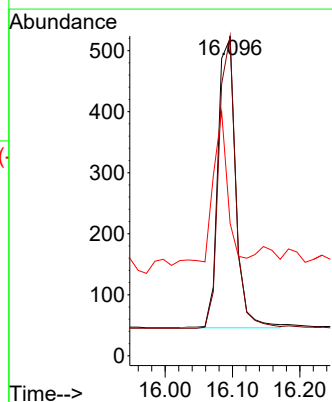
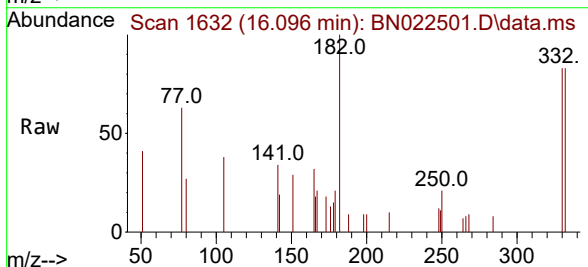
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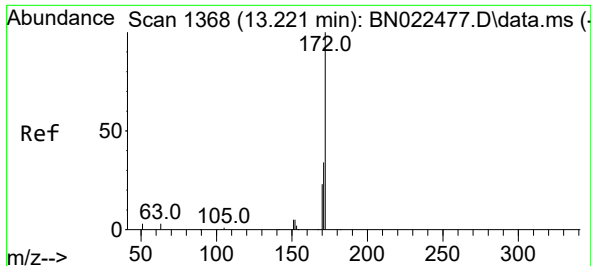
Tgt Ion:164 Resp: 6649
 Ion Ratio Lower Upper
 164 100
 162 104.4 82.0 123.0
 160 49.7 39.4 59.2



#14
 2,4,6-Tribromophenol
 Concen: 0.248 ng
 RT: 16.096 min Scan# 1632
 Delta R.T. 0.000 min
 Lab File: BN022501.D
 Acq: 04 Nov 2022 06:59

Tgt Ion:330 Resp: 866
 Ion Ratio Lower Upper
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 332 96.2 77.8 116.8
 141 45.3 35.0 52.6

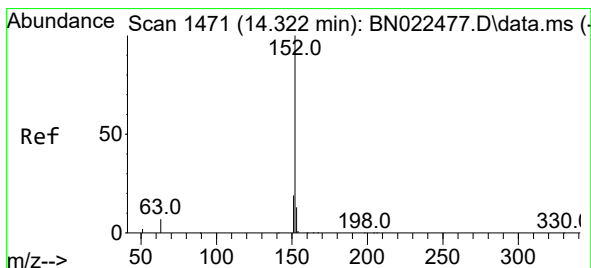
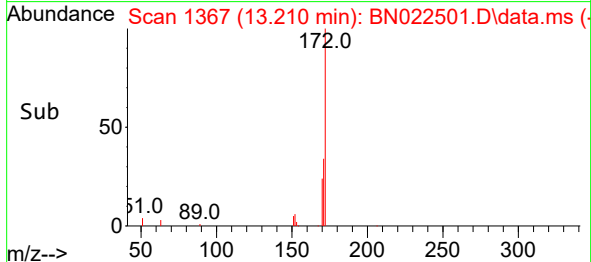
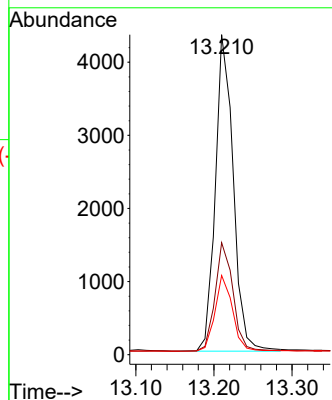
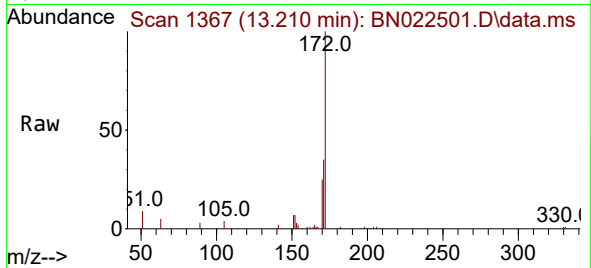




#15
2-Fluorobiphenyl
Concen: 0.248 ng
RT: 13.210 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

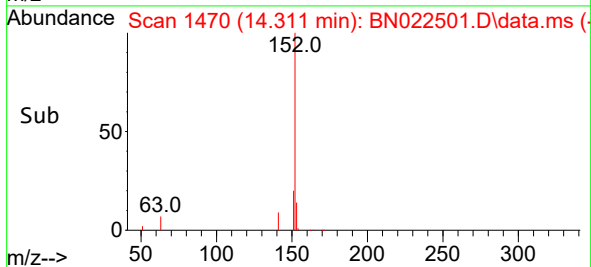
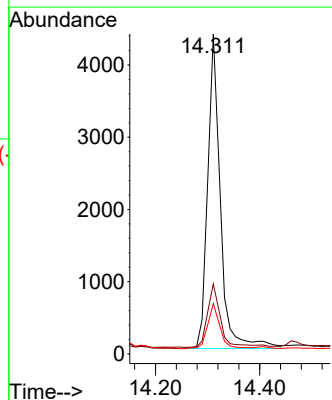
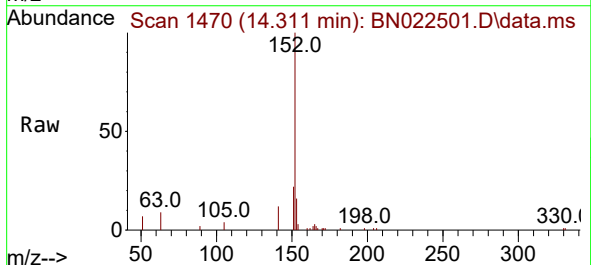
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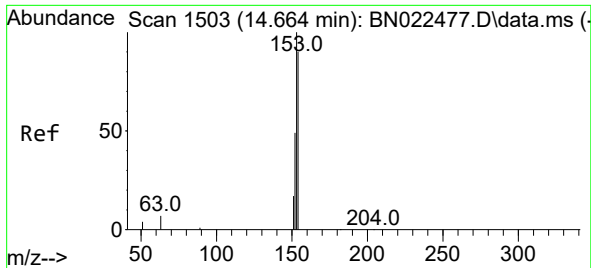
Tgt Ion:172 Resp: 6862
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 24.7 19.2 28.8



#16
Acenaphthylene
Concen: 0.218 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.011 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion:152 Resp: 7358
Ion Ratio Lower Upper
152 100
151 21.1 15.8 23.6
153 14.0 10.3 15.5

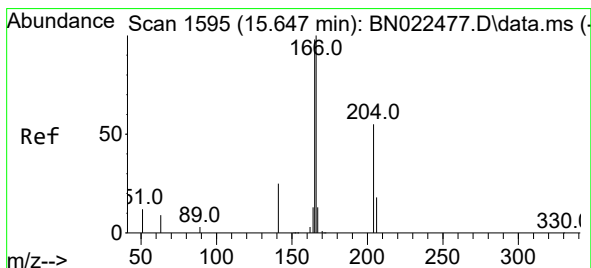
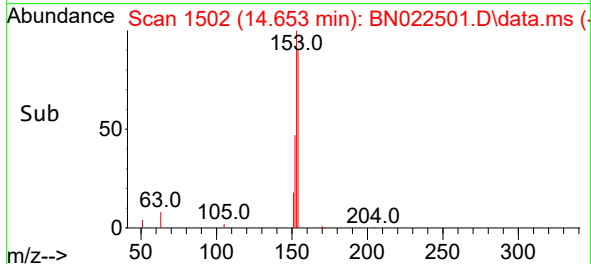
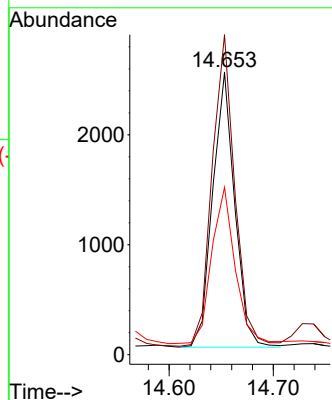
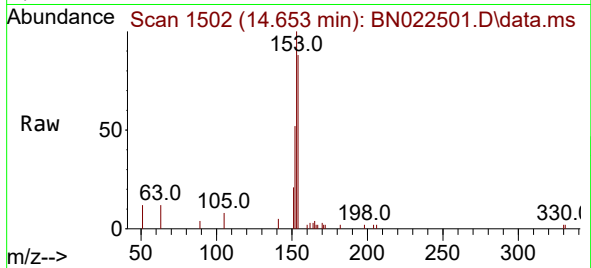




#17
Acenaphthene
Concen: 0.169 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

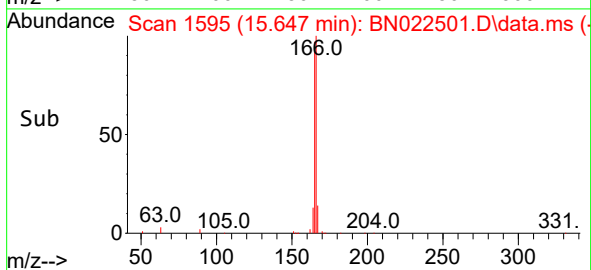
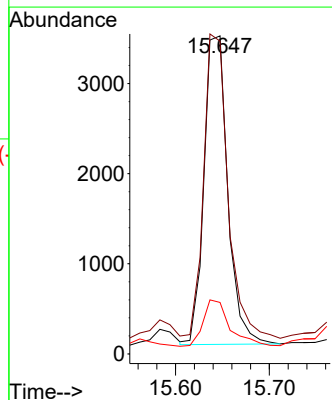
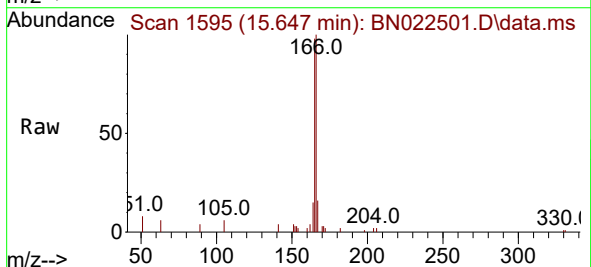
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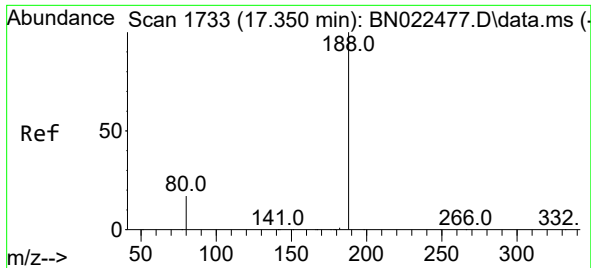
Tgt Ion:154 Resp: 3678
Ion Ratio Lower Upper
154 100
153 116.3 91.8 137.8
152 60.5 45.7 68.5



#18
Fluorene
Concen: 0.198 ng
RT: 15.647 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion:166 Resp: 6020
Ion Ratio Lower Upper
166 100
165 101.2 78.7 118.1
167 17.2 10.2 15.2#

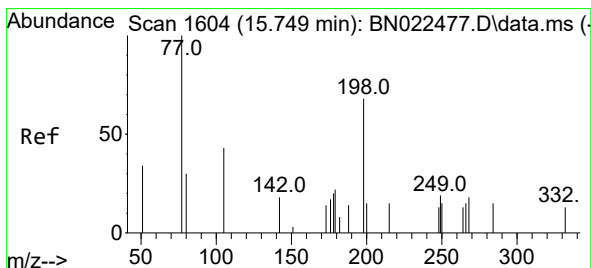
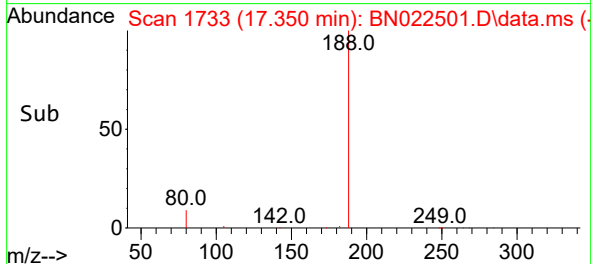
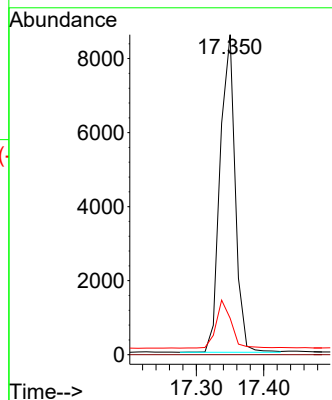
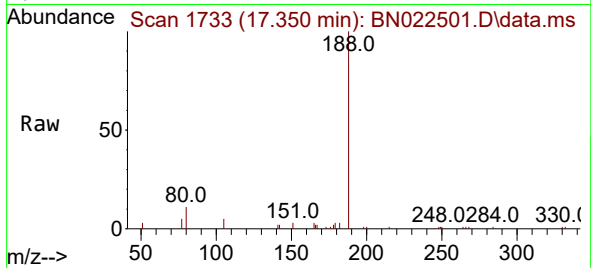




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

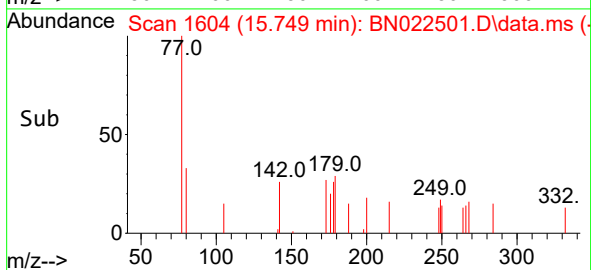
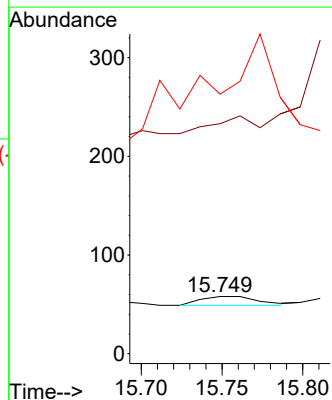
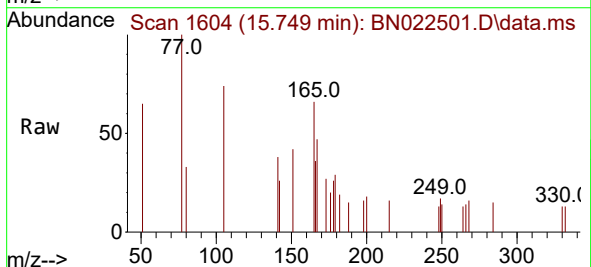
Instrument :
BNA_N
ClientSampleId :
S-4-103122

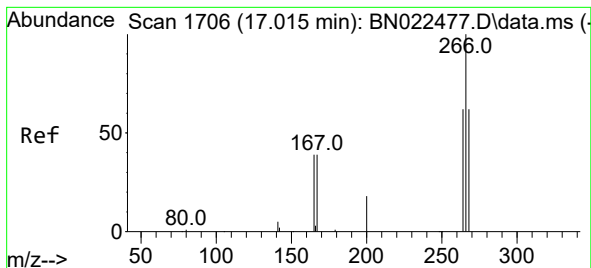
Tgt Ion:188 Resp: 13279
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 14.6 21.8#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.238 ng
RT: 15.749 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion:198 Resp: 22
Ion Ratio Lower Upper
198 100
51 401.7 83.8 125.8#
105 453.4 71.4 107.2#





#24

Pentachlorophenol

Concen: 0.178 ng

RT: 17.002 min Scan# 1705

Delta R.T. -0.013 min

Lab File: BN022501.D

Acq: 04 Nov 2022 06:59

Instrument :

BNA_N

ClientSampleId :

S-4-103122

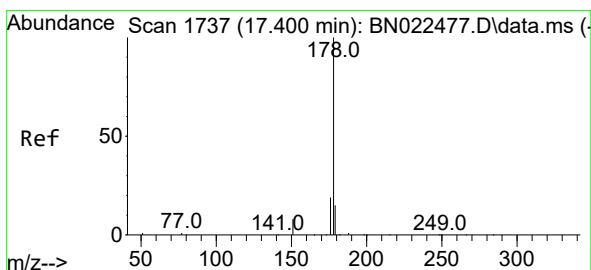
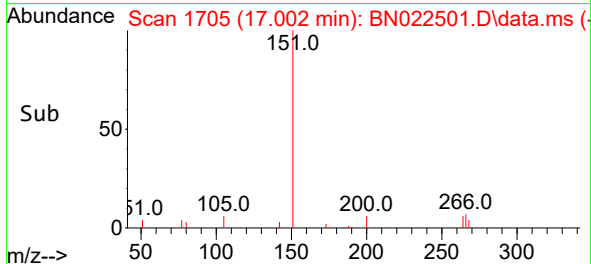
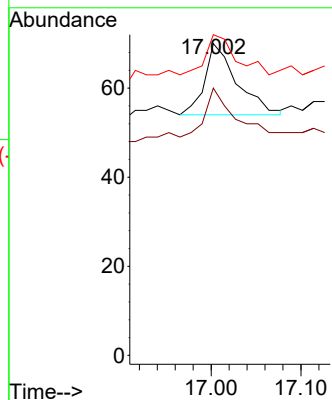
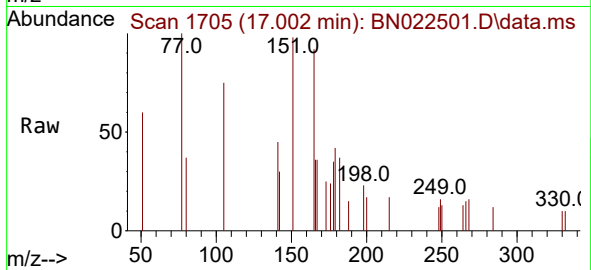
Tgt Ion:266 Resp: 40

Ion Ratio Lower Upper

266 100

264 65.0 50.6 75.8

268 55.0 54.1 81.1



#25

Phenanthrene

Concen: 2.024 ng

RT: 17.387 min Scan# 1736

Delta R.T. -0.013 min

Lab File: BN022501.D

Acq: 04 Nov 2022 06:59

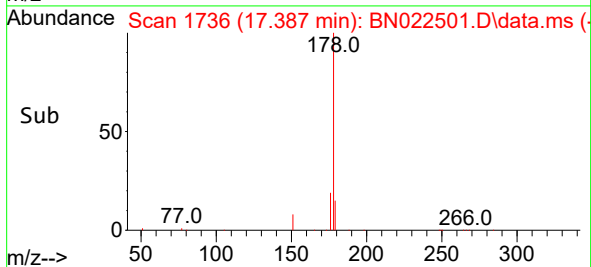
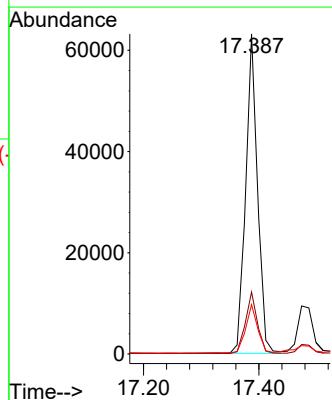
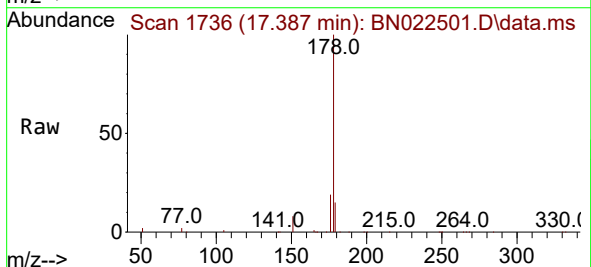
Tgt Ion:178 Resp: 89847

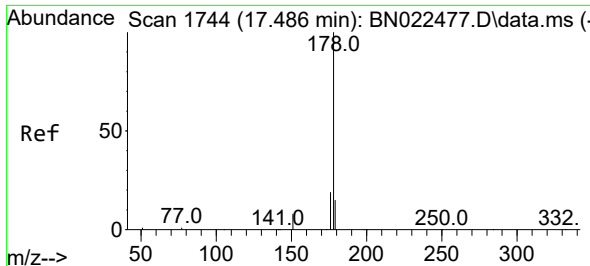
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.5 12.2 18.4

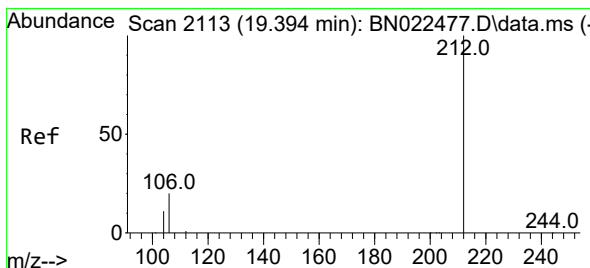
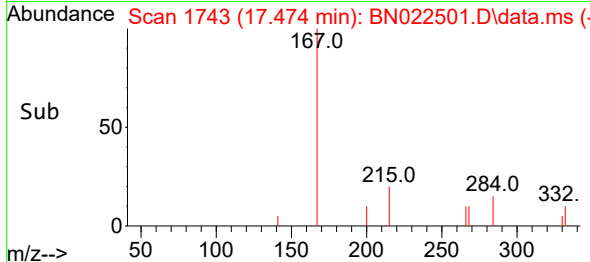
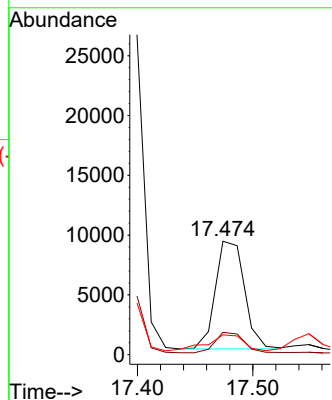
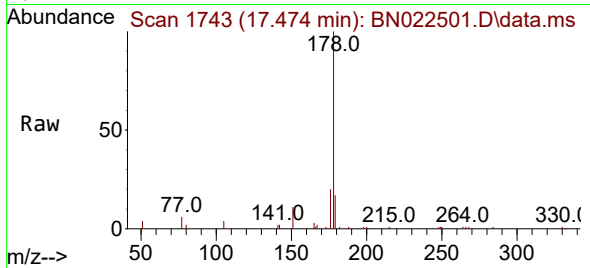




#26
 Anthracene
 Concen: 0.405 ng
 RT: 17.474 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN022501.D
 Acq: 04 Nov 2022 06:59

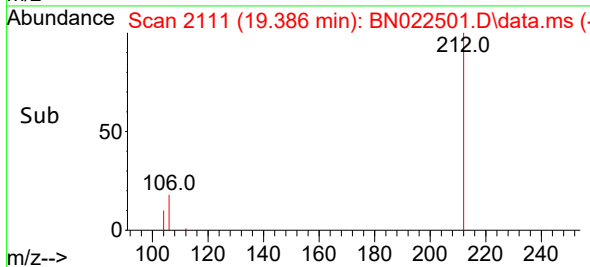
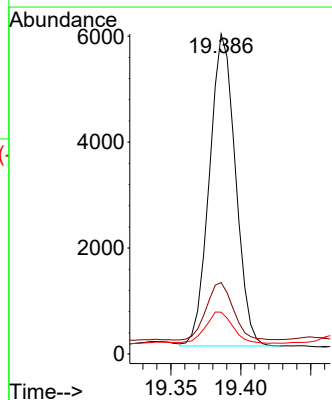
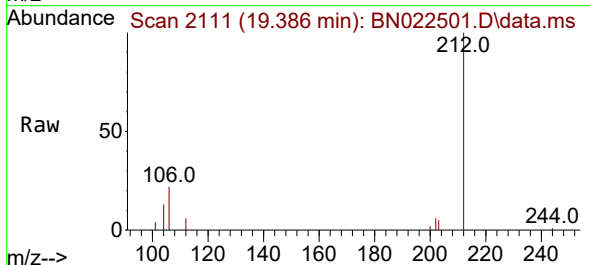
Instrument :
 BNA_N
 ClientSampleId :
 S-4-103122

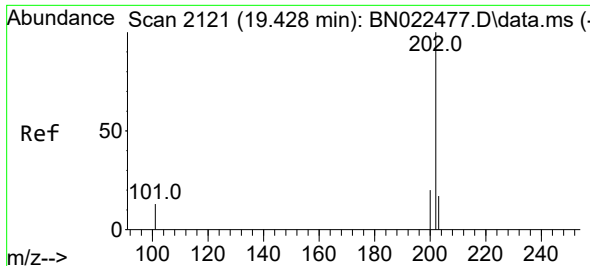
Tgt Ion:178 Resp: 15822
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.8 22.2
 179 18.5 12.2 18.2#



#27
 Fluoranthene-d10
 Concen: 0.211 ng
 RT: 19.386 min Scan# 2111
 Delta R.T. -0.008 min
 Lab File: BN022501.D
 Acq: 04 Nov 2022 06:59

Tgt Ion:212 Resp: 7644
 Ion Ratio Lower Upper
 212 100
 106 19.1 15.2 22.8
 104 10.7 8.6 12.8

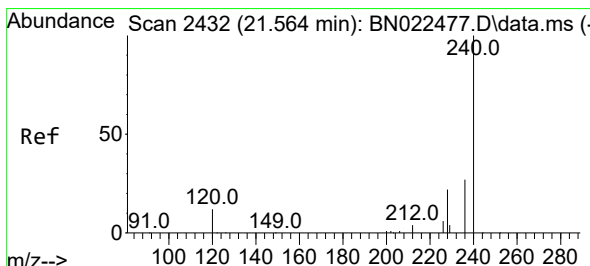
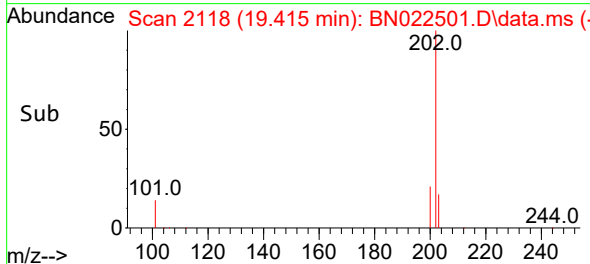
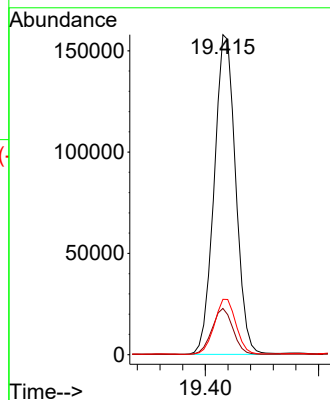
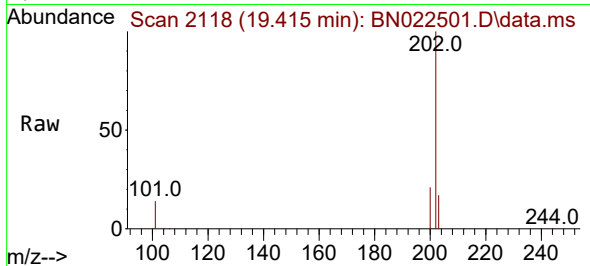




#28
Fluoranthene
Concen: 4.343 ng
RT: 19.415 min Scan# 2121
Delta R.T. -0.013 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

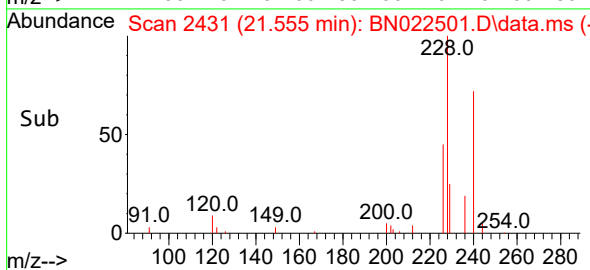
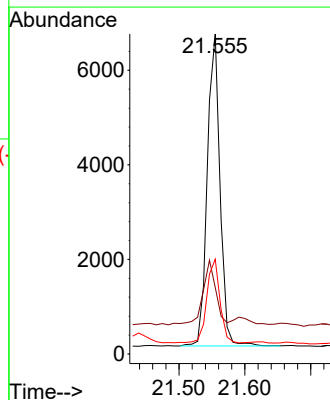
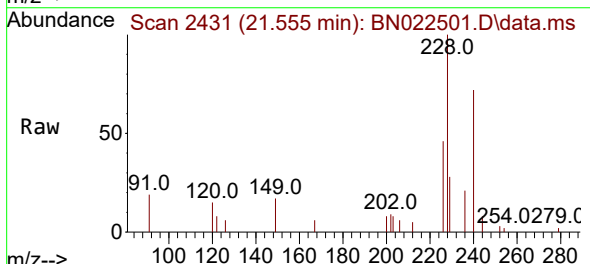
Instrument :
BNA_N
ClientSampleId :
S-4-103122

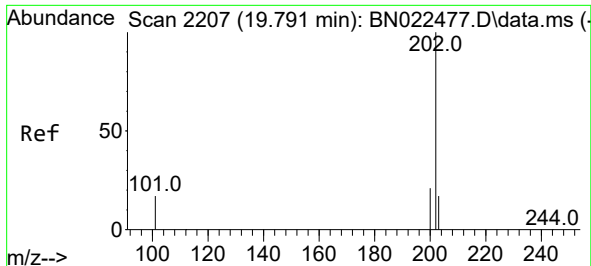
Tgt Ion:202 Resp: 207728
Ion Ratio Lower Upper
202 100
101 14.0 11.2 16.8
203 17.3 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. -0.009 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion:240 Resp: 8924
Ion Ratio Lower Upper
240 100
120 20.8 12.4 18.6#
236 29.6 22.7 34.1

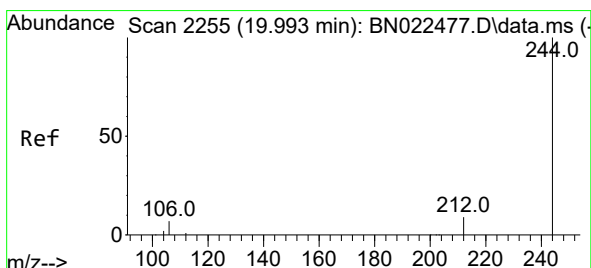
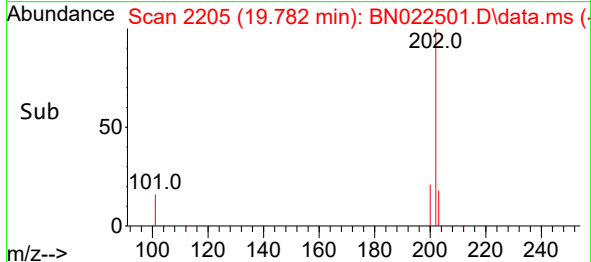
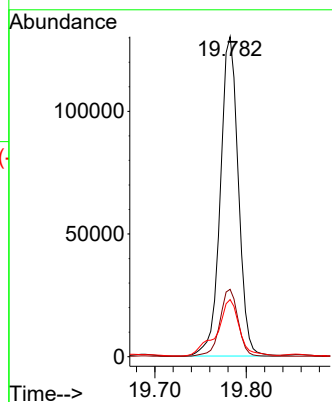
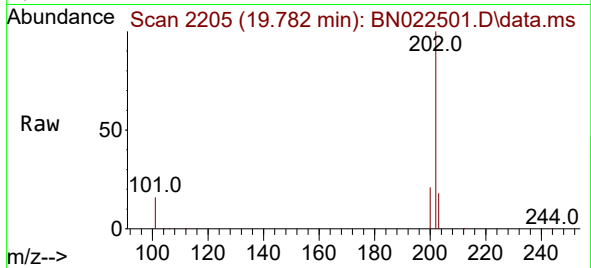




#30
Pyrene
Concen: 4.607 ng
RT: 19.782 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

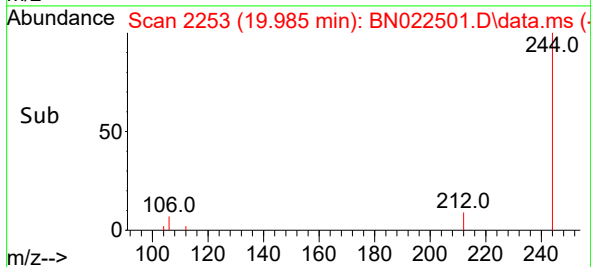
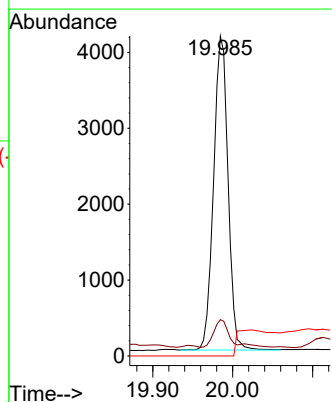
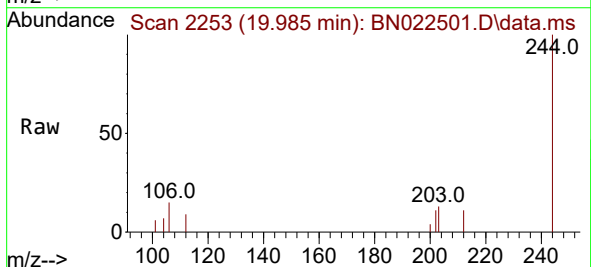
Instrument :
BNA_N
ClientSampleId :
S-4-103122

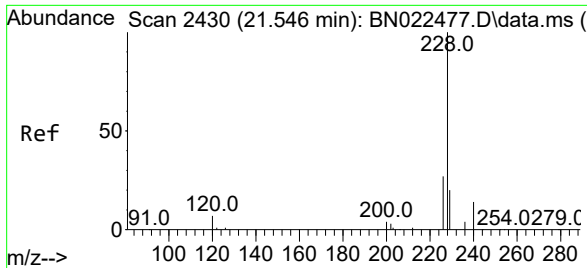
Tgt Ion:202 Resp: 177513
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 22.0 14.3 21.5#



#31
Terphenyl-d14
Concen: 0.240 ng
RT: 19.985 min Scan# 2253
Delta R.T. -0.008 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion:244 Resp: 6669
Ion Ratio Lower Upper
244 100
212 11.4 7.8 11.8
122 0.0 0.0 0.0

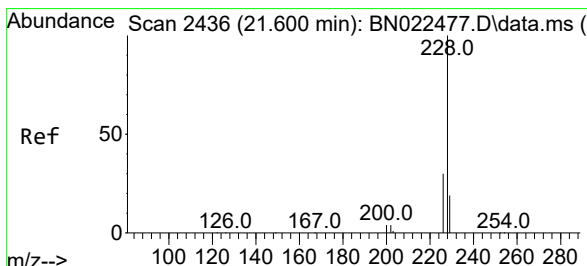
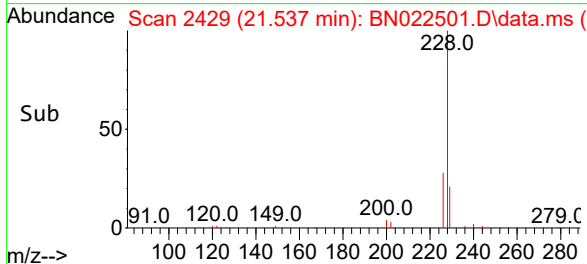
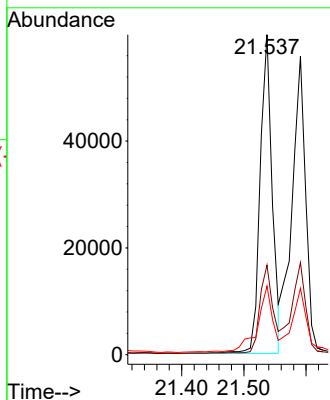
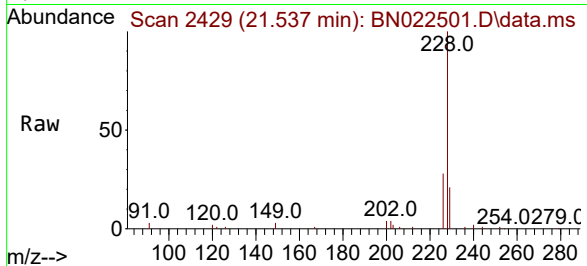




#32
Benzo(a)anthracene
Concen: 2.238 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

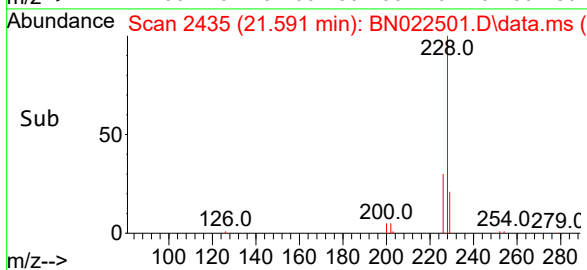
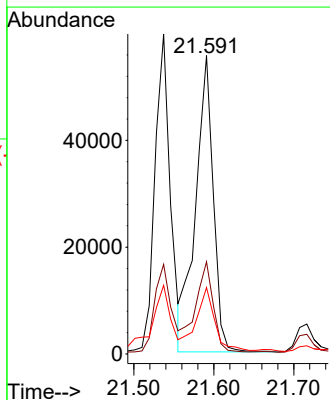
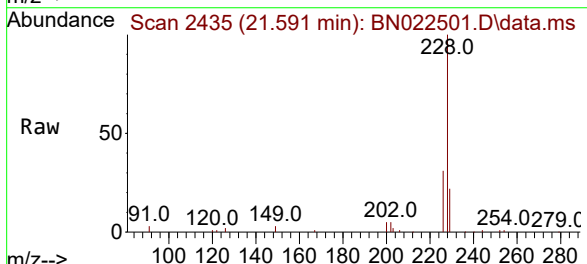
Instrument :
BNA_N
ClientSampleId :
S-4-103122

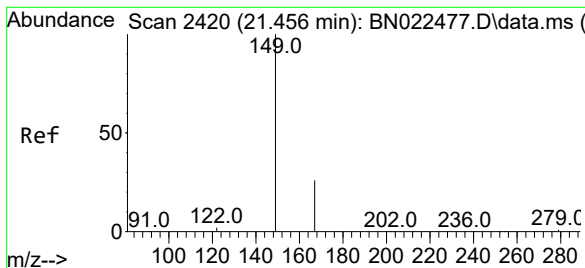
Tgt Ion:228 Resp: 80300
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 21.4 16.4 24.6



#33
Chrysene
Concen: 2.405 ng
RT: 21.591 min Scan# 2435
Delta R.T. -0.009 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion:228 Resp: 85491
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 22.3 15.9 23.9

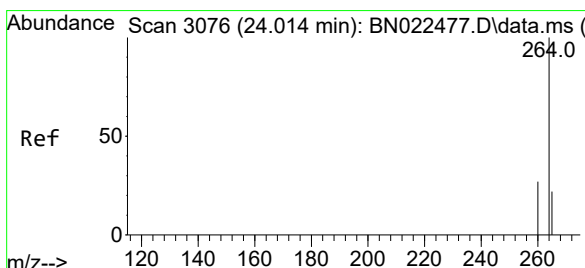
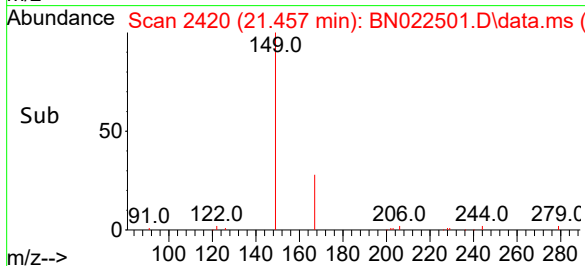
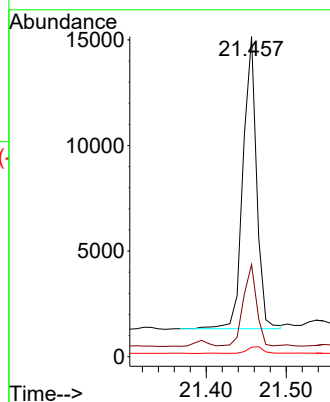
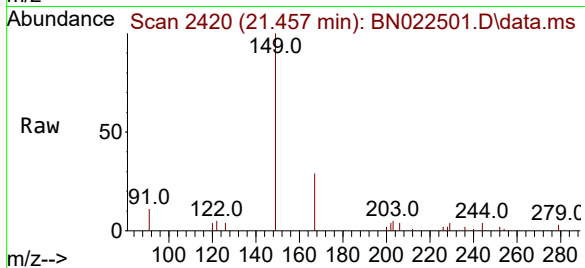




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.538 ng
 RT: 21.457 min Scan# 2420
 Delta R.T. 0.000 min
 Lab File: BN022501.D
 Acq: 04 Nov 2022 06:59

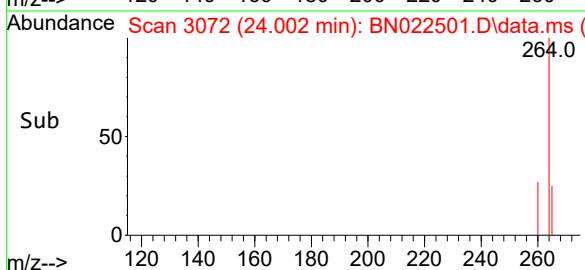
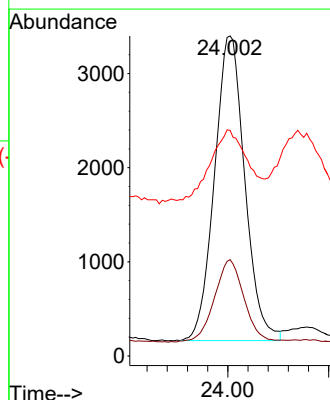
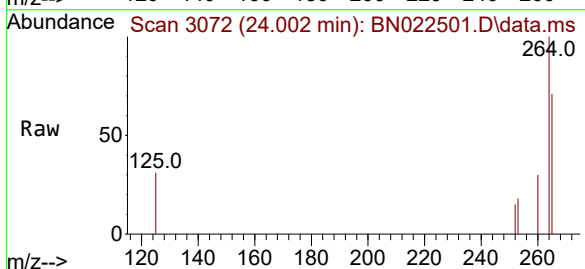
Instrument :
 BNA_N
 ClientSampleId :
 S-4-103122

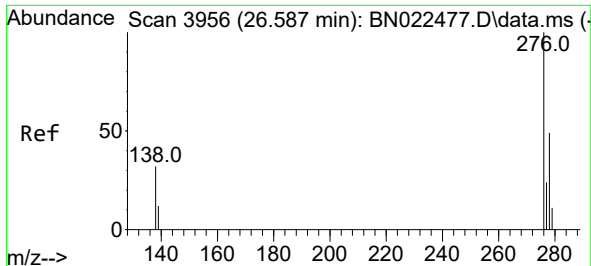
Tgt Ion:149 Resp: 16271
 Ion Ratio Lower Upper
 149 100
 167 26.9 21.3 31.9
 279 2.6 2.7 4.1#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.002 min Scan# 3072
 Delta R.T. -0.012 min
 Lab File: BN022501.D
 Acq: 04 Nov 2022 06:59

Tgt Ion:264 Resp: 6750
 Ion Ratio Lower Upper
 264 100
 260 30.1 22.4 33.6
 265 70.5 44.4 66.6#

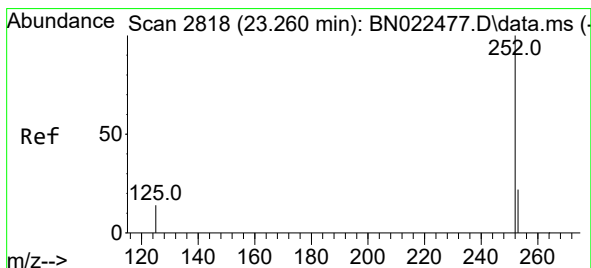
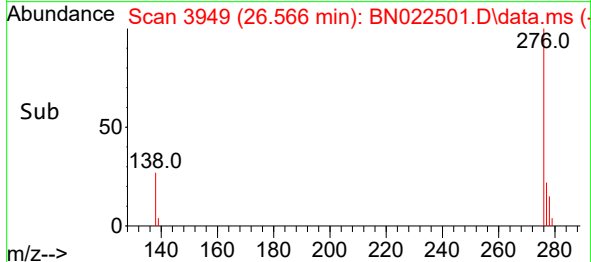
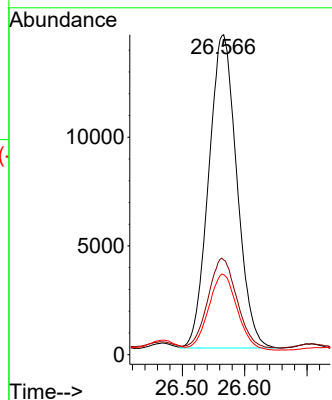
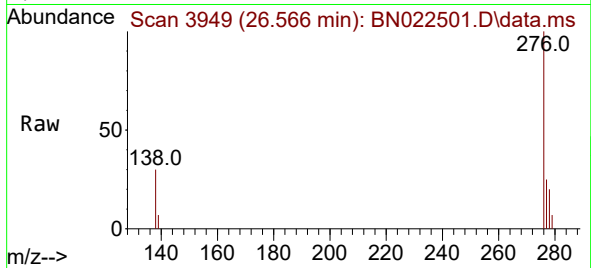




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.390 ng
 RT: 26.566 min Scan# 3949
 Delta R.T. -0.020 min
 Lab File: BN022501.D
 Acq: 04 Nov 2022 06:59

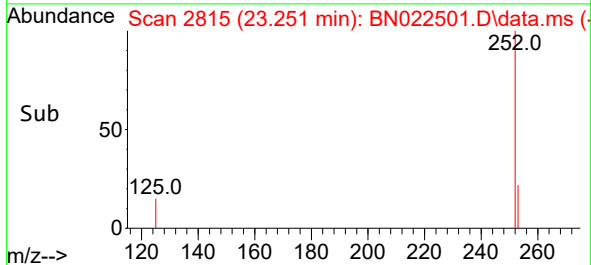
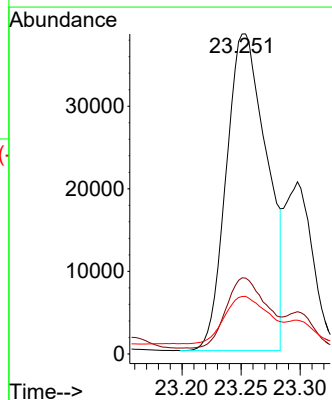
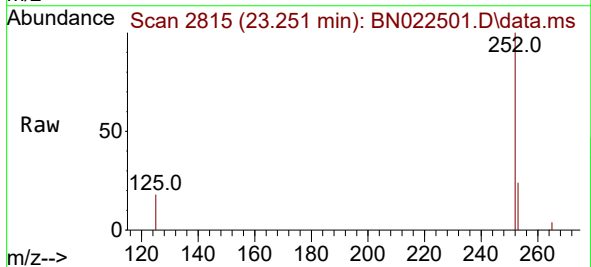
Instrument :
 BNA_N
 ClientSampleId :
 S-4-103122

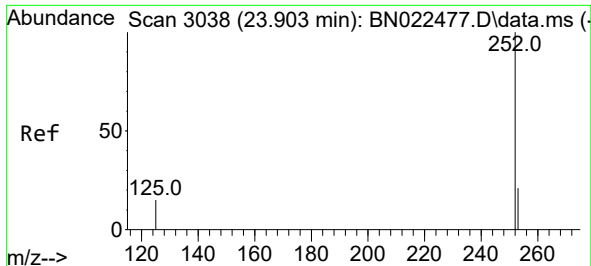
Tgt Ion:276 Resp: 45183
 Ion Ratio Lower Upper
 276 100
 138 29.5 27.5 41.3
 277 24.6 19.8 29.6



#37
 Benzo(b)fluoranthene
 Concen: 3.446 ng
 RT: 23.251 min Scan# 2815
 Delta R.T. -0.009 min
 Lab File: BN022501.D
 Acq: 04 Nov 2022 06:59

Tgt Ion:252 Resp: 91459
 Ion Ratio Lower Upper
 252 100
 253 23.8 21.1 31.7
 125 18.0 16.8 25.2





#39

Benzo(a)pyrene

Concen: 1.945 ng

RT: 23.783 min Scan# 24

Delta R.T. -0.120 min

Lab File: BN022501.D

Acq: 04 Nov 2022 06:59

Instrument :

BNA_N

ClientSampleId :

S-4-103122

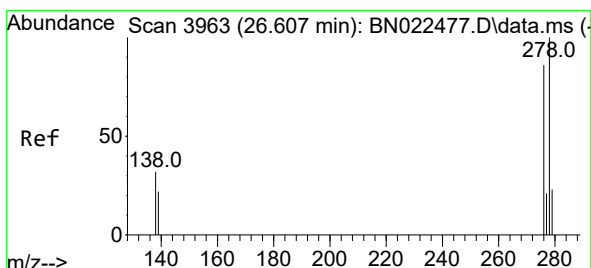
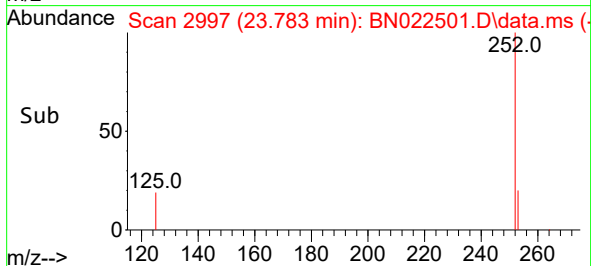
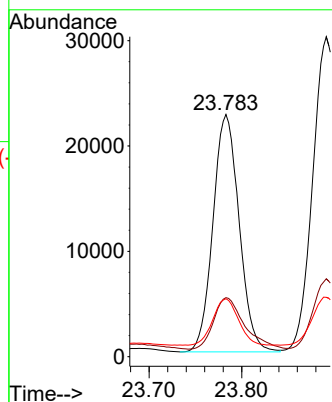
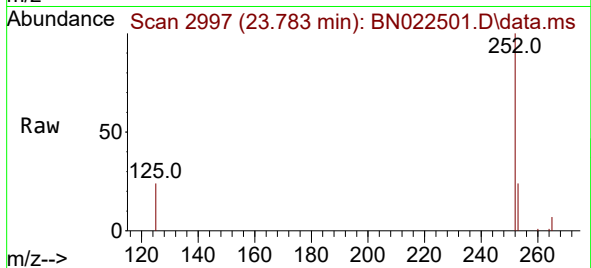
Tgt Ion:252 Resp: 44209

Ion Ratio Lower Upper

252 100

253 24.4 22.0 33.0

125 23.9 19.8 29.8



#40

Dibenzo(a,h)anthracene

Concen: 0.430 ng

RT: 26.575 min Scan# 3952

Delta R.T. -0.032 min

Lab File: BN022501.D

Acq: 04 Nov 2022 06:59

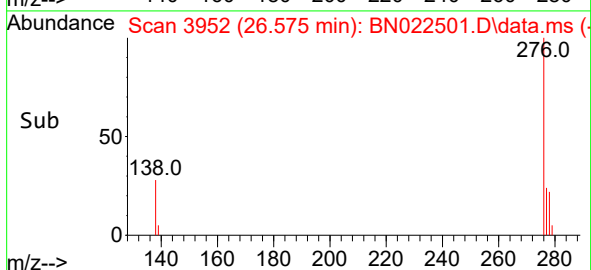
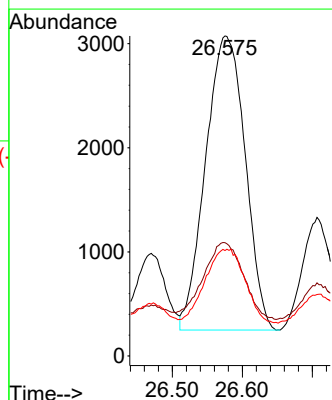
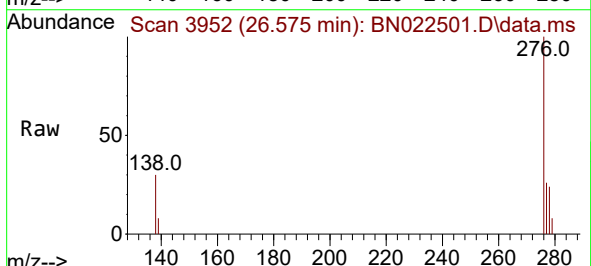
Tgt Ion:278 Resp: 11114

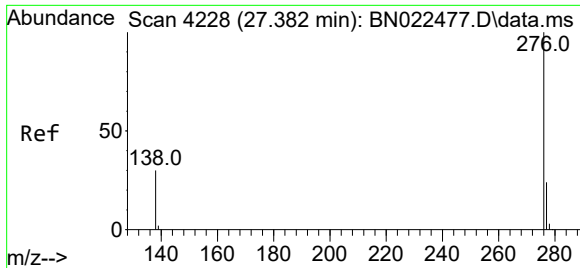
Ion Ratio Lower Upper

278 100

139 35.4 21.8 32.6#

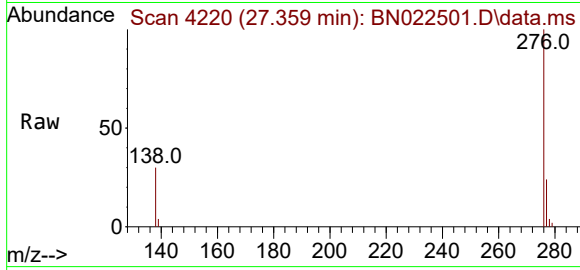
279 33.0 21.5 32.3#





#41
Benzo(g,h,i)perylene
Concen: 1.655 ng
RT: 27.359 min Scan# 41
Delta R.T. -0.023 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Instrument :
BNA_N
ClientSampleId :
S-4-103122



Tgt Ion:276 Resp: 45460
Ion Ratio Lower Upper
276 100
277 24.4 21.0 31.4
138 30.0 26.0 39.0

