

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
 Data File : BN022518.D
 Acq On : 04 Nov 2022 21:33
 Operator : CG/JU
 Sample : N5395-13DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122DL

Quant Time: Nov 05 01:59:29 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)

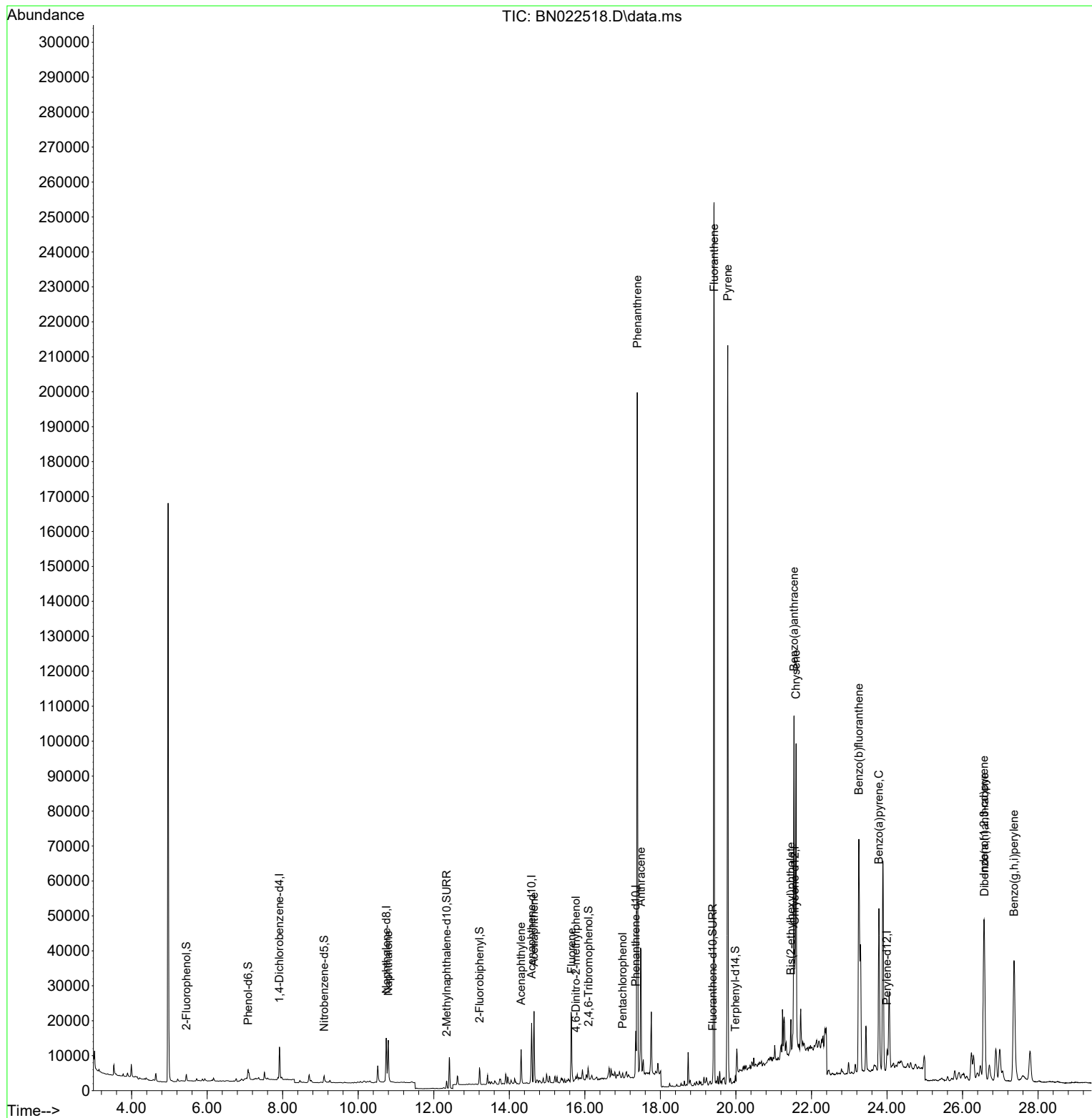
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	4745	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	16610	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	9399	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	17526	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	7031	0.400	ng	# 0.00
35) Perylene-d12	24.002	264	8745	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.451	112	1654	0.123	ng	0.00
5) Phenol-d6	7.083	99	2822	0.167	ng	0.00
8) Nitrobenzene-d5	9.097	82	1755	0.117	ng	-0.01
11) 2-Methylnaphthalene-d10	12.338	152	2920	0.105	ng	-0.01
14) 2,4,6-Tribromophenol	16.096	330	581	0.118	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	4396	0.112	ng	-0.01
27) Fluoranthene-d10	19.386	212	2803	0.059	ng	0.00
31) Terphenyl-d14	19.985	244	2556	0.117	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.795	128	16102	0.320	ng	99
16) Acenaphthylene	14.311	152	11186	0.234	ng	99
17) Acenaphthene	14.653	154	9721	0.316	ng	100
18) Fluorene	15.647	166	13505	0.313	ng	# 97
20) 4,6-Dinitro-2-methylph...	15.761	198	15	0.234	ng	# 1
24) Pentachlorophenol	17.003	266	45	0.177	ng	94
25) Phenanthrene	17.387	178	189305	3.232	ng	100
26) Anthracene	17.487	178	44145	0.857	ng	# 95
28) Fluoranthene	19.420	202	224832	3.561	ng	99
30) Pyrene	19.782	202	185941	6.125	ng	# 95
32) Benzo(a)anthracene	21.537	228	82004	2.900	ng	98
33) Chrysene	21.591	228	83051	2.966	ng	98
34) Bis(2-ethylhexyl)phtha...	21.457	149	8397	0.353	ng	98
36) Indeno(1,2,3-cd)pyrene	26.566	276	79431	1.886	ng	95
37) Benzo(b)fluoranthene	23.254	252	114752	3.337	ng	# 94
39) Benzo(a)pyrene	23.786	252	66763	2.267	ng	96
40) Dibenzo(a,h)anthracene	26.581	278	19349	0.578	ng	# 85
41) Benzo(g,h,i)perylene	27.362	276	78641	2.210	ng	98

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

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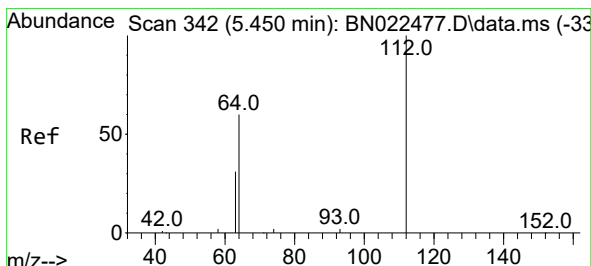
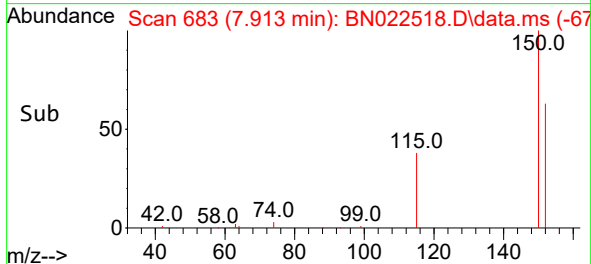
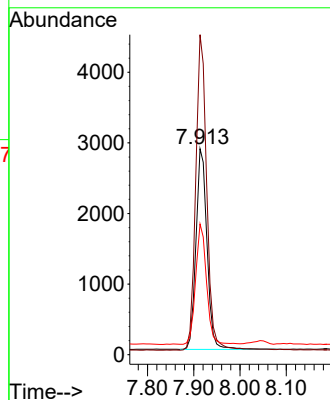
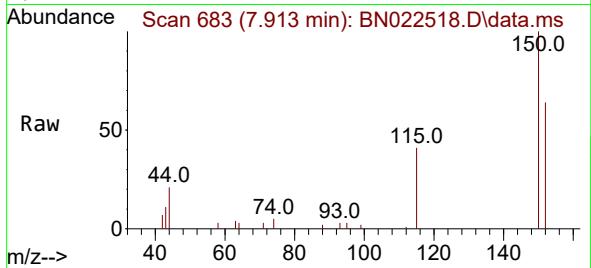




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.913 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

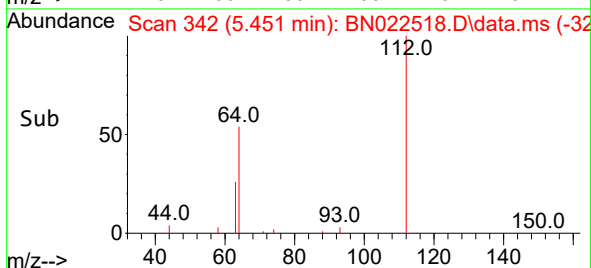
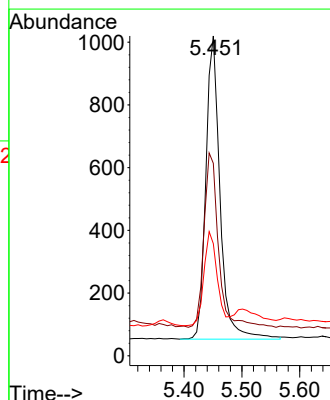
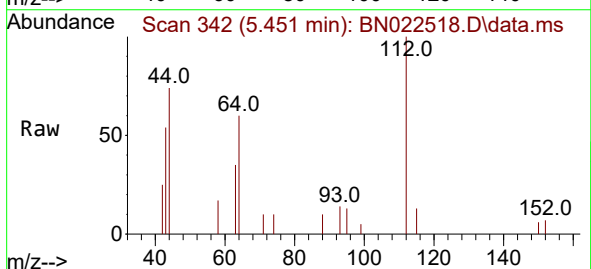
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL

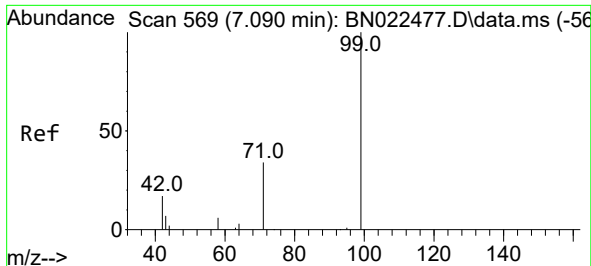
Tgt Ion:152 Resp: 4745
Ion Ratio Lower Upper
152 100
150 155.3 123.4 185.2
115 63.4 54.9 82.3



#4
2-Fluorophenol
Concen: 0.123 ng
RT: 5.451 min Scan# 342
Delta R.T. 0.000 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion:112 Resp: 1654
Ion Ratio Lower Upper
112 100
64 58.7 47.1 70.7
63 29.4 24.6 36.8

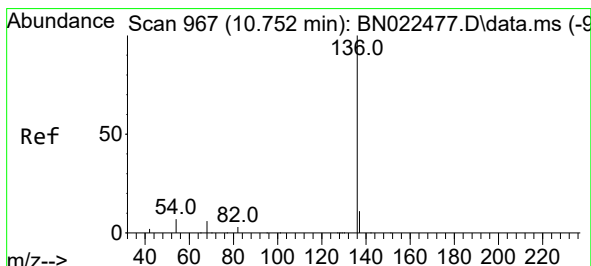
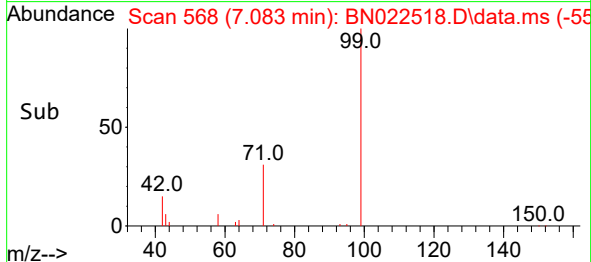
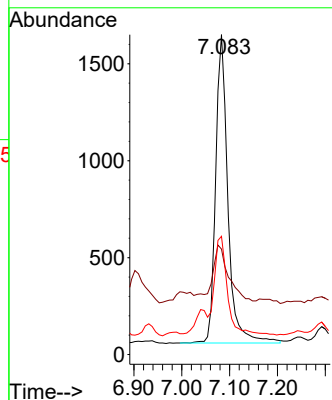
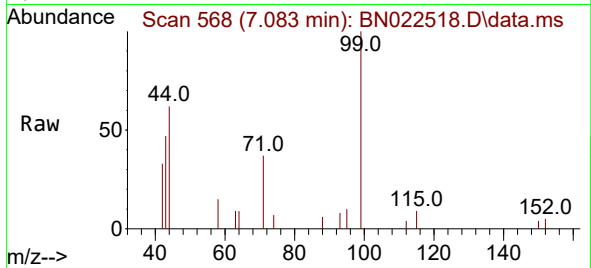




#5
Phenol-d6
Concen: 0.167 ng
RT: 7.083 min Scan# 50
Delta R.T. -0.007 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

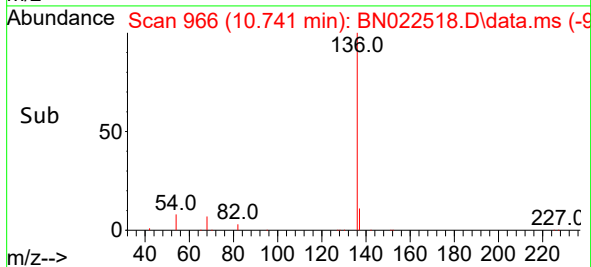
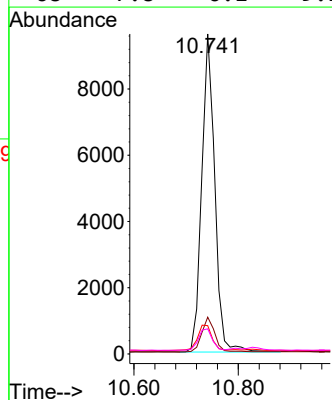
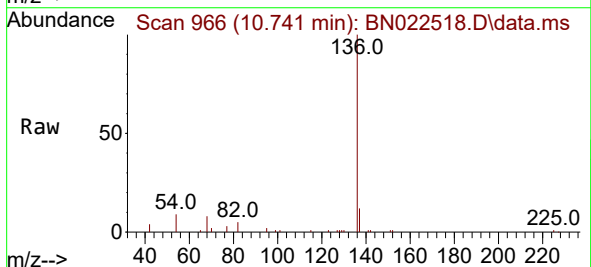
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL

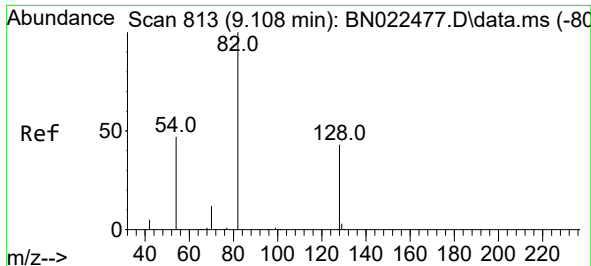
Tgt Ion: 99 Resp: 2822
Ion Ratio Lower Upper
99 100
42 22.1 14.7 22.1#
71 34.1 27.0 40.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 966
Delta R.T. -0.011 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion: 136 Resp: 16610
Ion Ratio Lower Upper
136 100
137 11.5 9.5 14.3
54 8.9 7.1 10.7
68 7.8 6.1 9.1

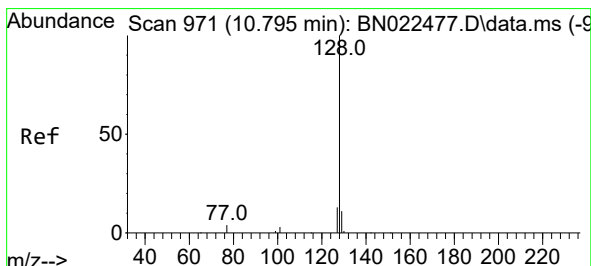
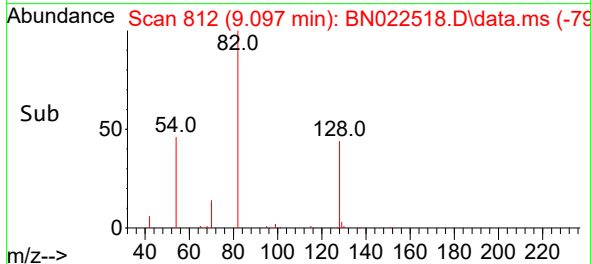
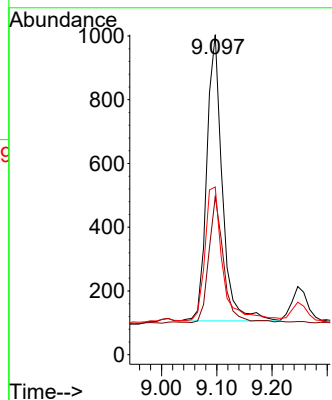
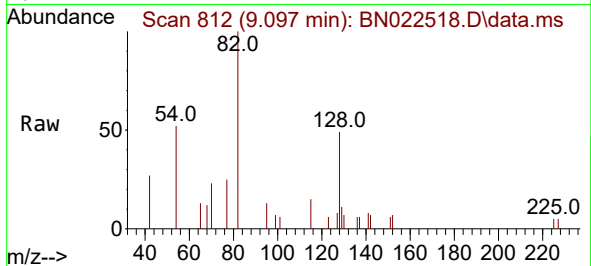




#8
Nitrobenzene-d5
Concen: 0.117 ng
RT: 9.097 min Scan# 813
Delta R.T. -0.011 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

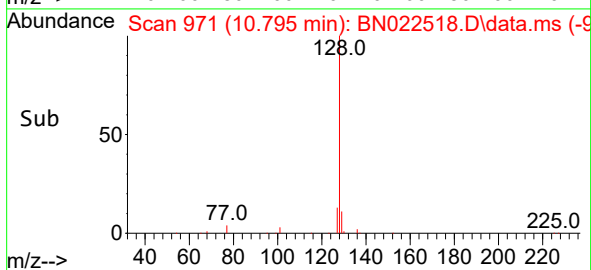
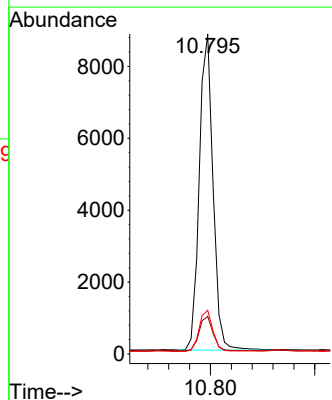
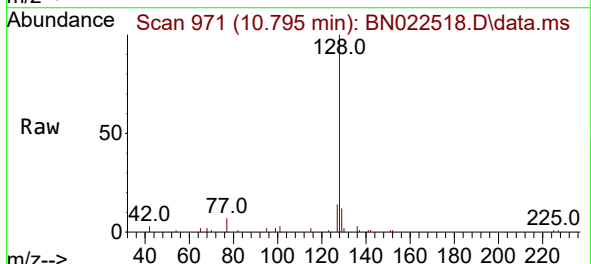
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL

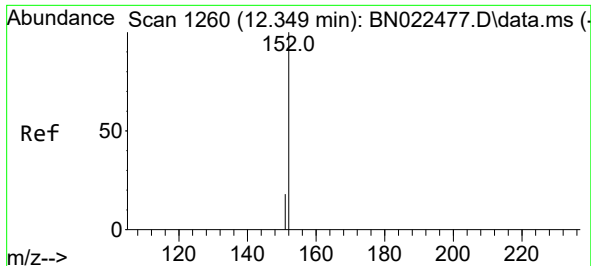
Tgt Ion: 82 Resp: 1755
Ion Ratio Lower Upper
82 100
128 49.4 37.3 55.9
54 52.4 40.0 60.0



#9
Naphthalene
Concen: 0.320 ng
RT: 10.795 min Scan# 971
Delta R.T. 0.000 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion: 128 Resp: 16102
Ion Ratio Lower Upper
128 100
129 11.8 9.8 14.6
127 13.6 11.4 17.2

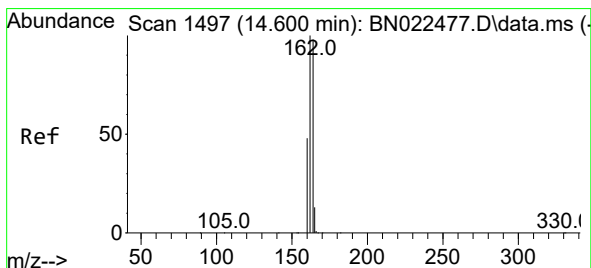
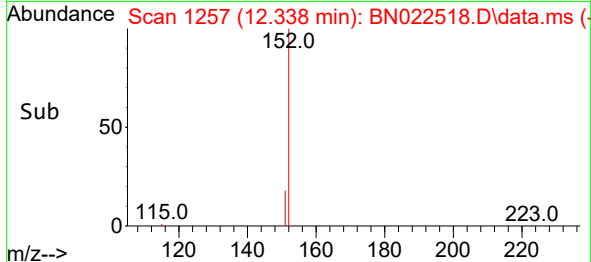
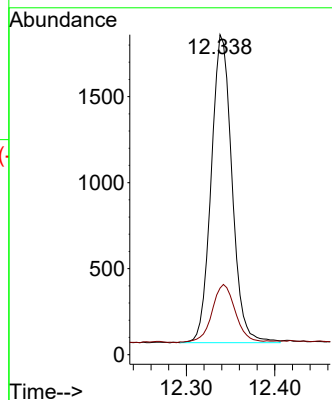
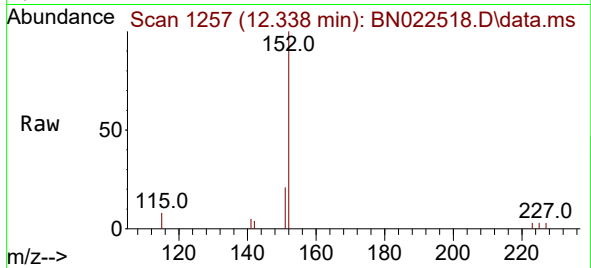




#11
2-Methylnaphthalene-d10
Concen: 0.105 ng
RT: 12.338 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

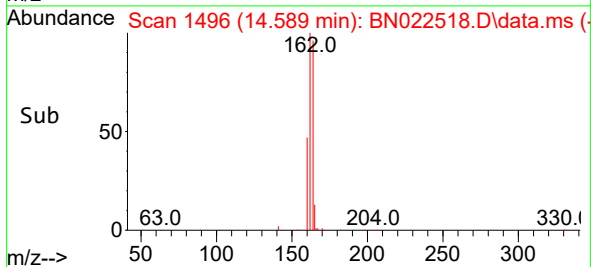
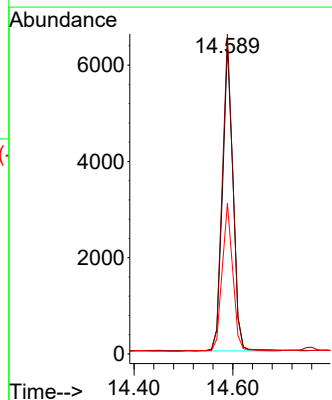
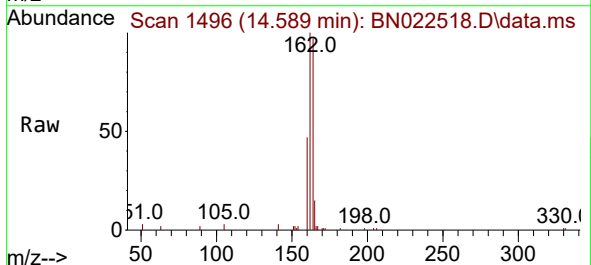
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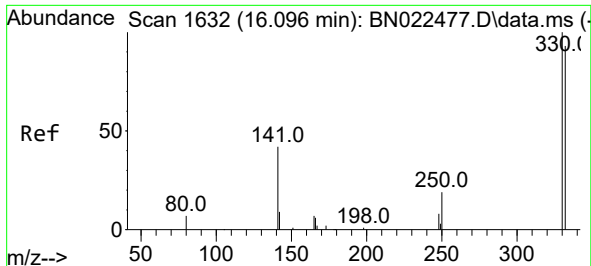
Tgt Ion:152 Resp: 2920
Ion Ratio Lower Upper
152 100
151 21.4 16.6 25.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion:164 Resp: 9399
Ion Ratio Lower Upper
164 100
162 103.5 82.0 123.0
160 48.8 39.4 59.2

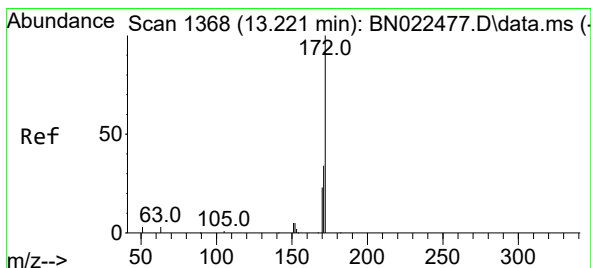
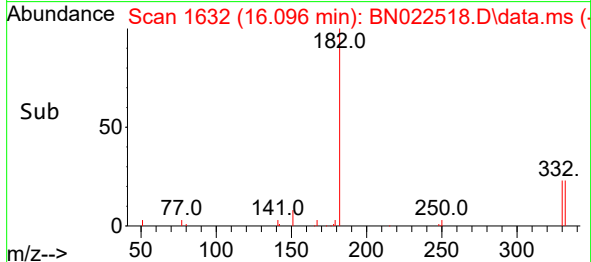
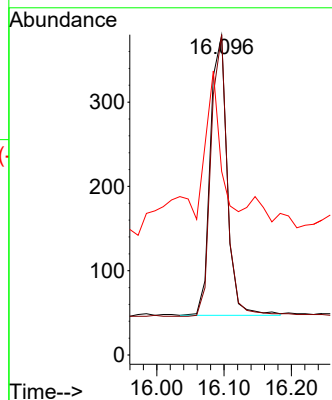
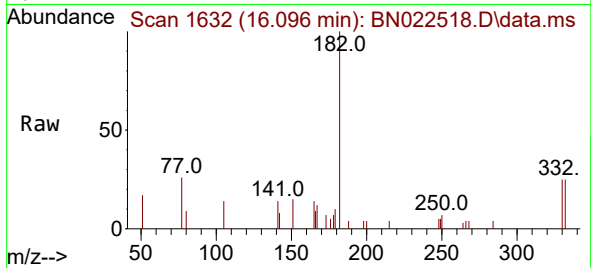




#14
2,4,6-Tribromophenol
Concen: 0.118 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

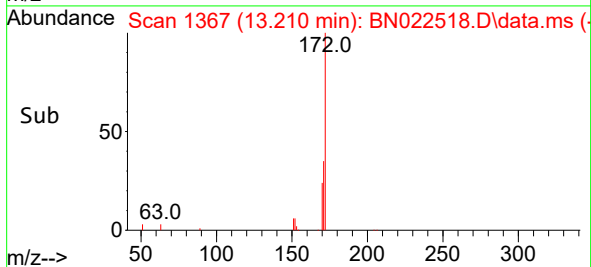
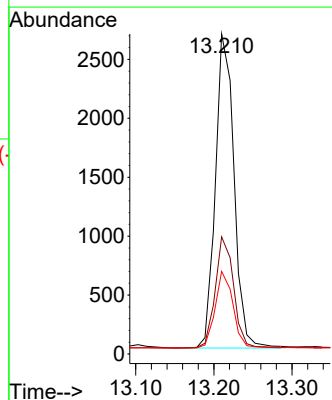
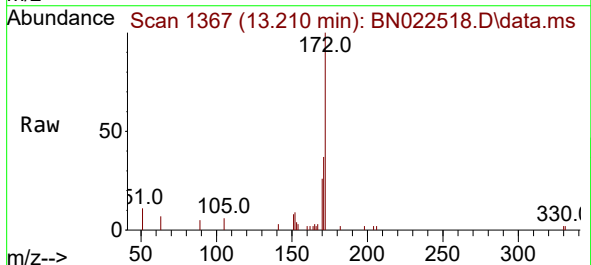
Instrument :
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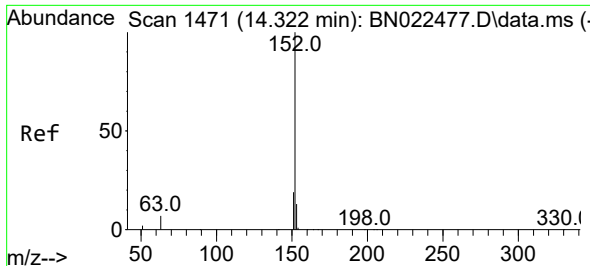
Tgt Ion:330 Resp: 581
Ion Ratio Lower Upper
330 100
332 96.7 77.8 116.8
141 44.4 35.0 52.6



#15
2-Fluorobiphenyl
Concen: 0.112 ng
RT: 13.210 min Scan# 1367
Delta R.T. -0.011 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion:172 Resp: 4396
Ion Ratio Lower Upper
172 100
171 36.6 27.9 41.9
170 25.8 19.2 28.8

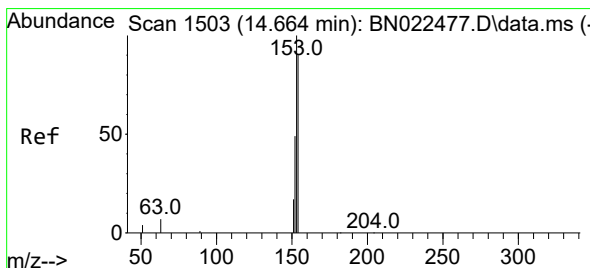
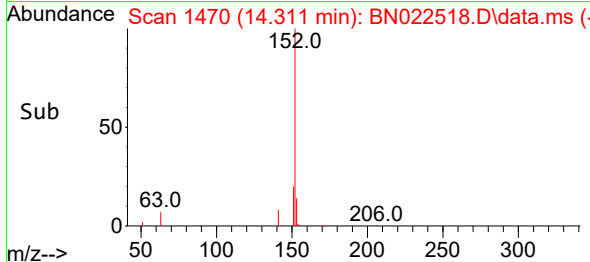
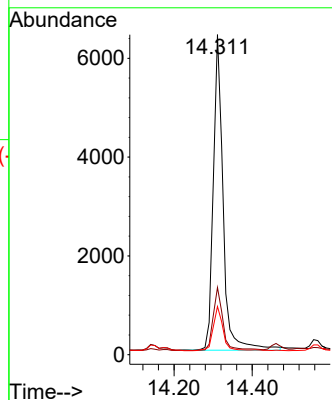
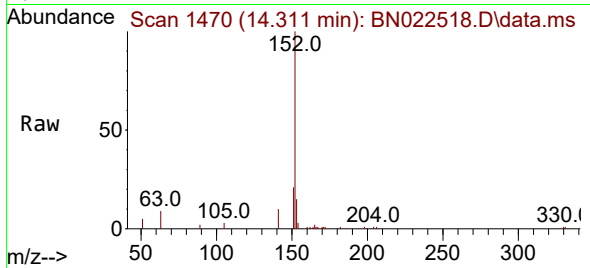




#16
Acenaphthylene
Concen: 0.234 ng
RT: 14.311 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

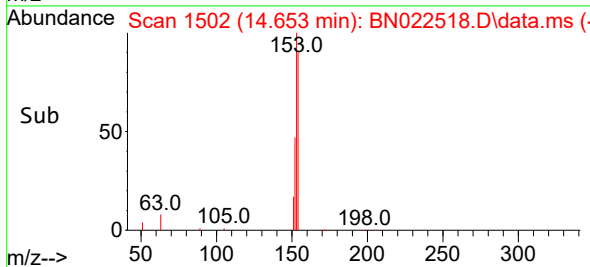
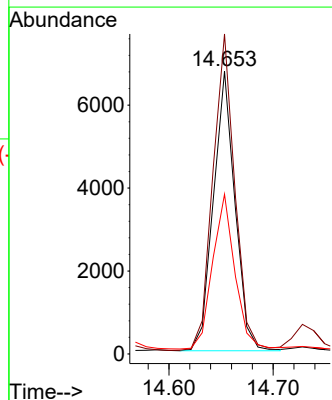
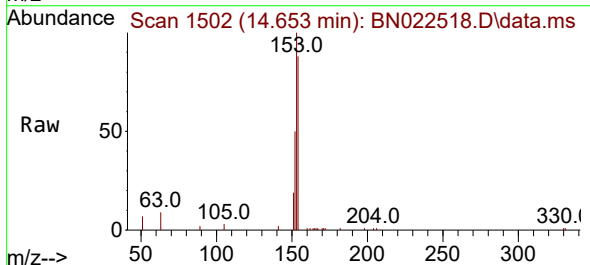
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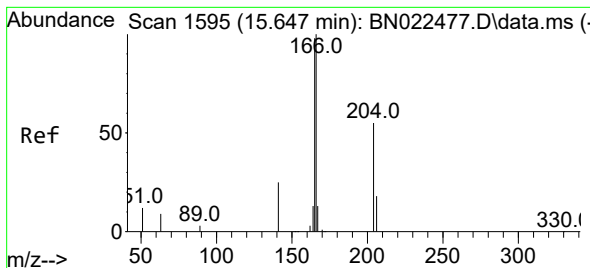
Tgt Ion:152 Resp: 11186
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.6 10.3 15.5



#17
Acenaphthene
Concen: 0.316 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion:154 Resp: 9721
Ion Ratio Lower Upper
154 100
153 114.5 91.8 137.8
152 57.1 45.7 68.5





#18

Fluorene

Concen: 0.313 ng

RT: 15.647 min Scan# 1595

Delta R.T. 0.000 min

Lab File: BN022518.D

Acq: 04 Nov 2022 21:33

Instrument :

BNA_N

ClientSampleId :

S-13-103122DL

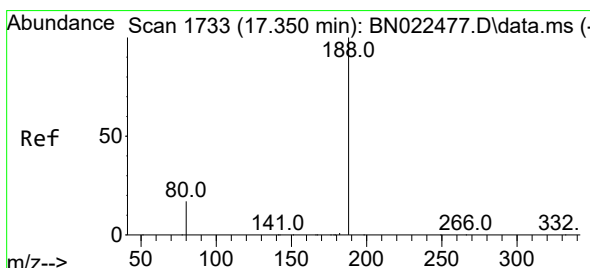
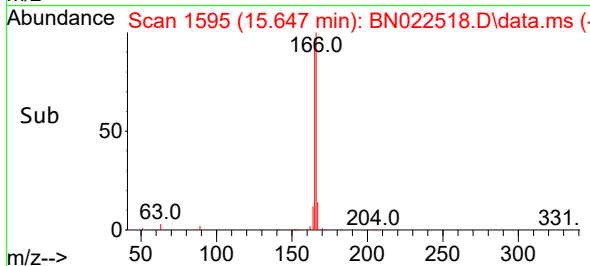
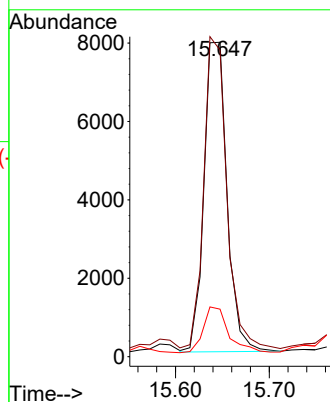
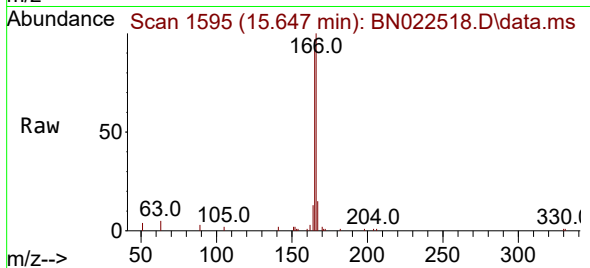
Tgt Ion:166 Resp: 13505

Ion Ratio Lower Upper

166 100

165 100.3 78.7 118.1

167 16.3 10.2 15.2#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.350 min Scan# 1733

Delta R.T. 0.000 min

Lab File: BN022518.D

Acq: 04 Nov 2022 21:33

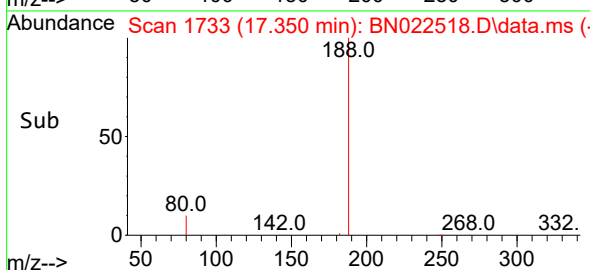
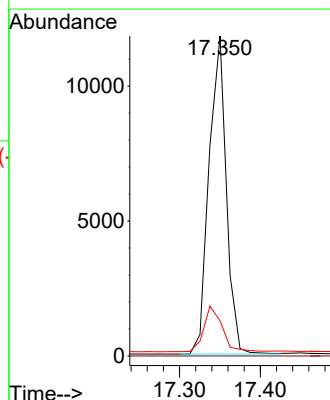
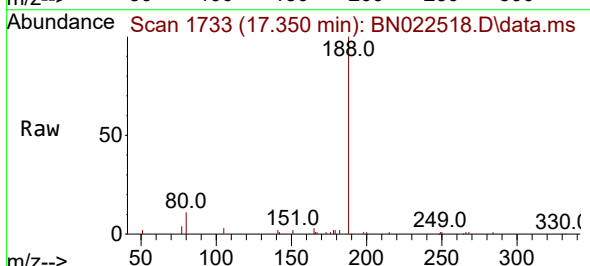
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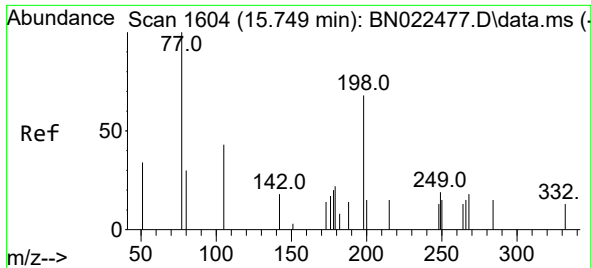
Ion Ratio Lower Upper

188 100

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80 11.0 14.6 21.8#

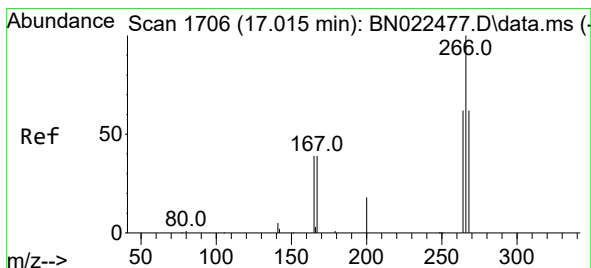
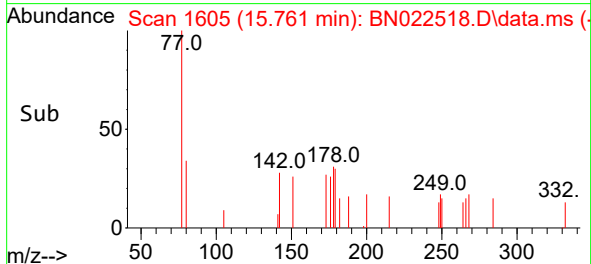
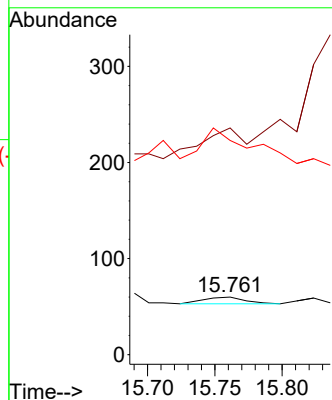
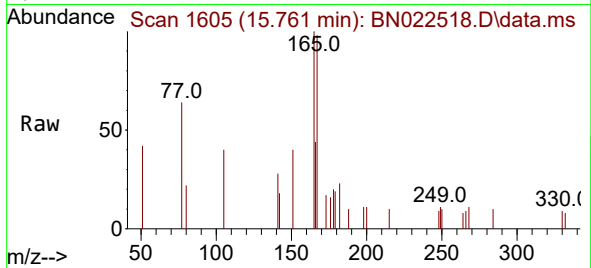




#20
4,6-Dinitro-2-methylphenol
Concen: 0.234 ng
RT: 15.761 min Scan# 11
Delta R.T. 0.012 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

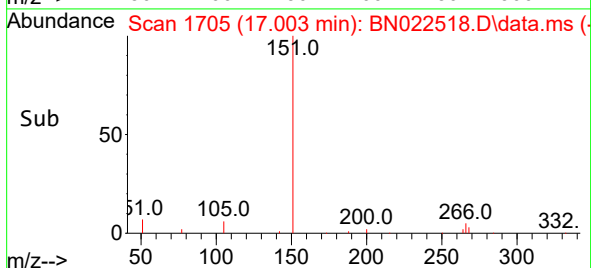
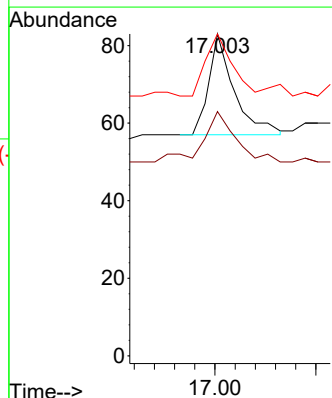
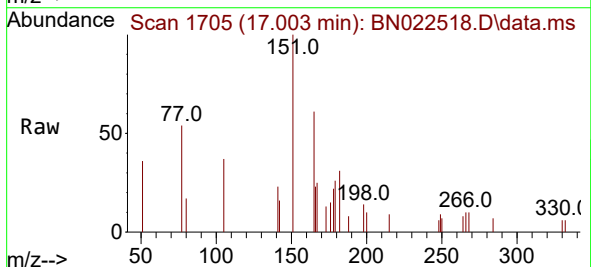
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL

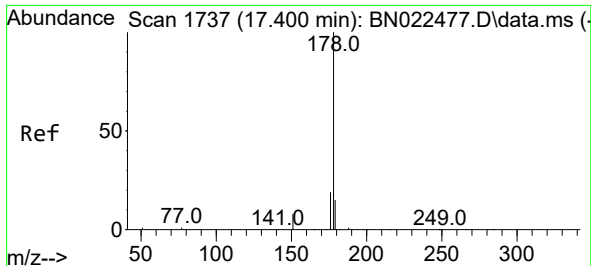
Tgt Ion:198 Resp: 15
Ion Ratio Lower Upper
198 100
51 393.3 83.8 125.8#
105 371.7 71.4 107.2#



#24
Pentachlorophenol
Concen: 0.177 ng
RT: 17.003 min Scan# 1705
Delta R.T. -0.012 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion:266 Resp: 45
Ion Ratio Lower Upper
266 100
264 64.4 50.6 75.8
268 75.6 54.1 81.1

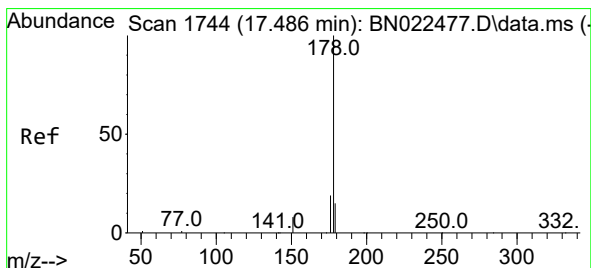
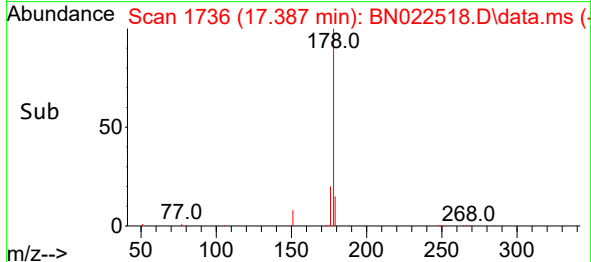
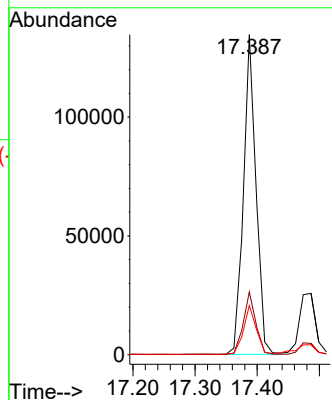
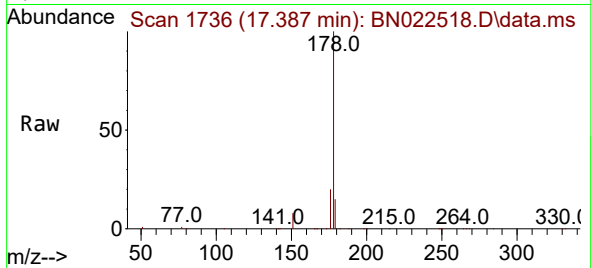




#25
Phenanthrene
Concen: 3.232 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

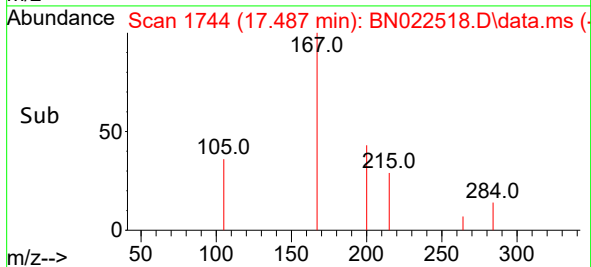
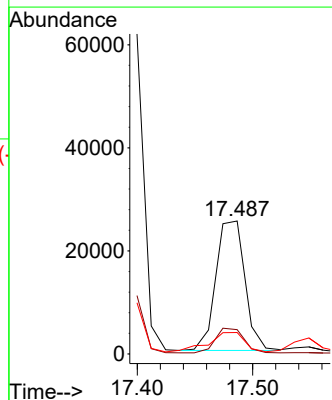
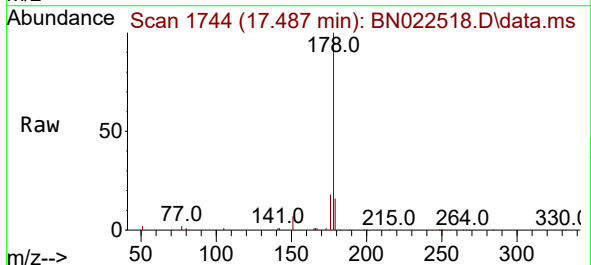
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL

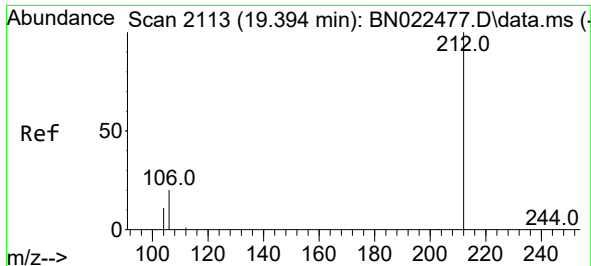
Tgt Ion:178 Resp: 189305
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.4 12.2 18.4



#26
Anthracene
Concen: 0.857 ng
RT: 17.487 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion:178 Resp: 44145
Ion Ratio Lower Upper
178 100
176 19.4 14.8 22.2
179 18.6 12.2 18.2#

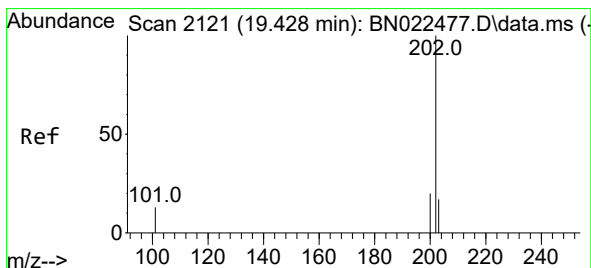
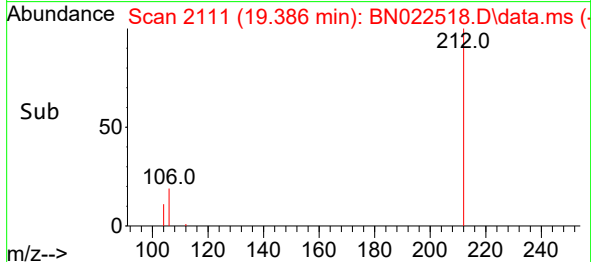
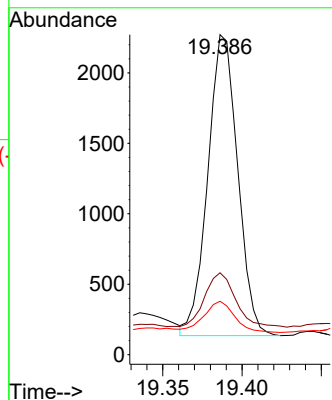
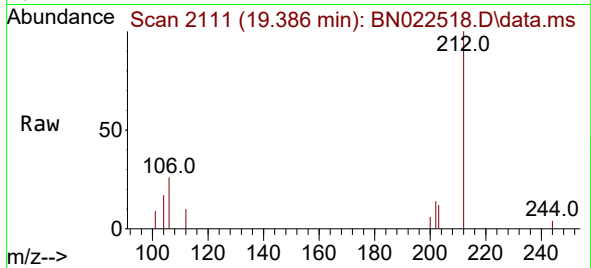




#27
Fluoranthene-d10
Concen: 0.059 ng
RT: 19.386 min Scan# 2111
Delta R.T. -0.008 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

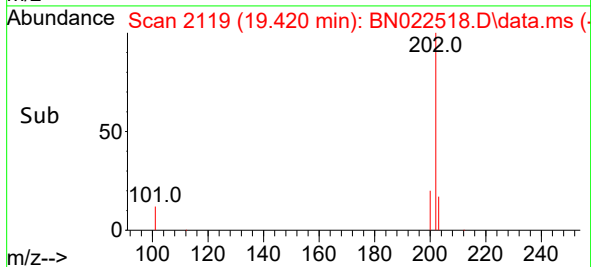
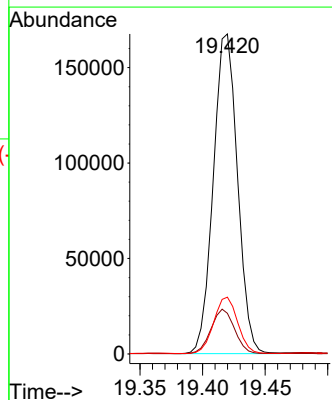
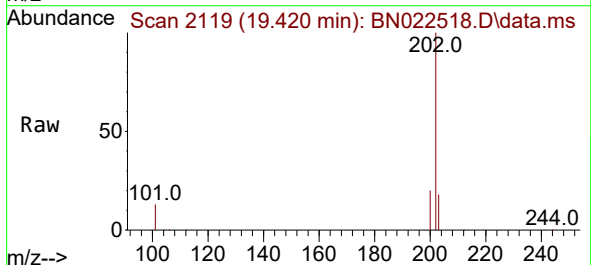
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL

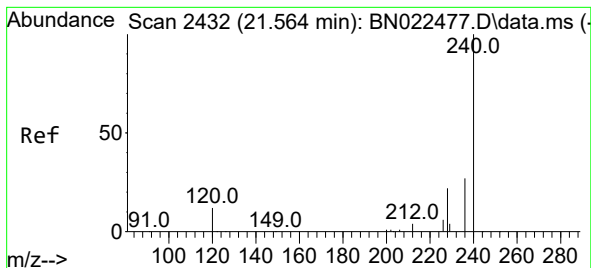
Tgt Ion:212 Resp: 2803
Ion Ratio Lower Upper
212 100
106 18.6 15.2 22.8
104 10.8 8.6 12.8



#28
Fluoranthene
Concen: 3.561 ng
RT: 19.420 min Scan# 2119
Delta R.T. -0.008 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion:202 Resp: 224832
Ion Ratio Lower Upper
202 100
101 13.5 11.2 16.8
203 17.4 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: BN022518.D

Acq: 04 Nov 2022 21:33

Instrument :

BNA_N

ClientSampleId :

S-13-103122DL

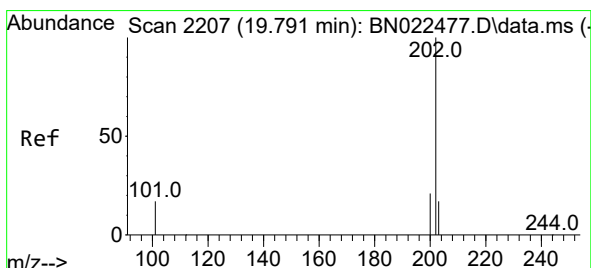
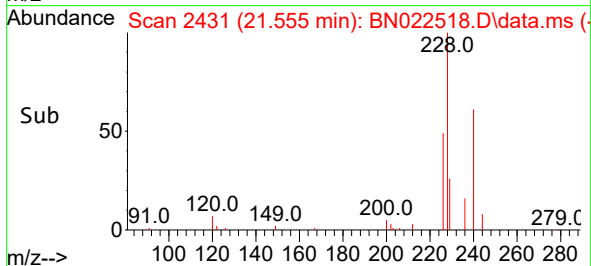
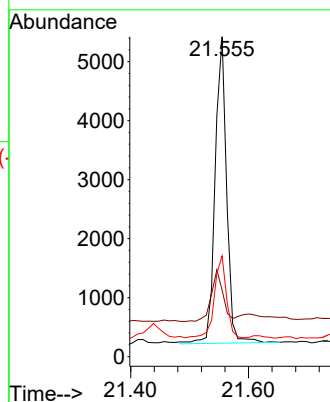
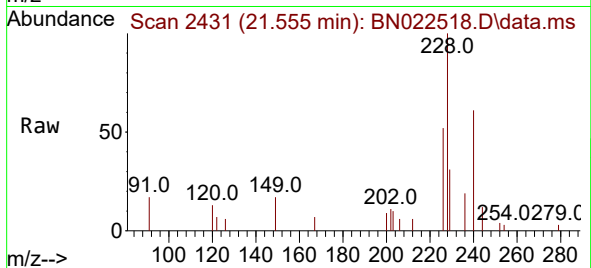
Tgt Ion:240 Resp: 7031

Ion Ratio Lower Upper

240 100

120 20.8 12.4 18.6#

236 31.5 22.7 34.1



#30

Pyrene

Concen: 6.125 ng

RT: 19.782 min Scan# 2205

Delta R.T. -0.008 min

Lab File: BN022518.D

Acq: 04 Nov 2022 21:33

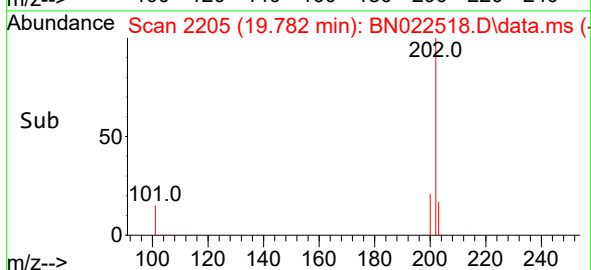
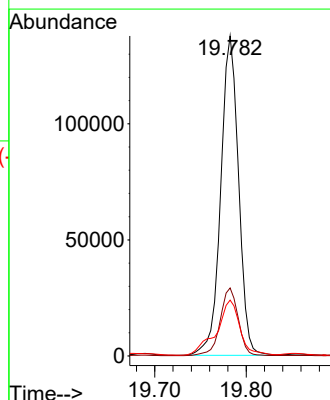
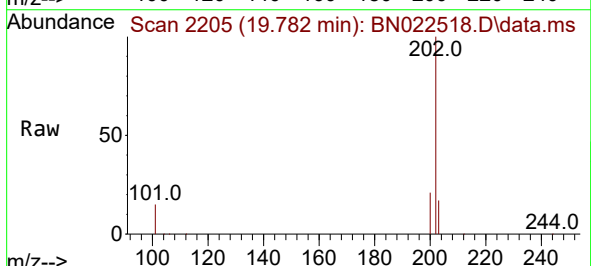
Tgt Ion:202 Resp: 185941

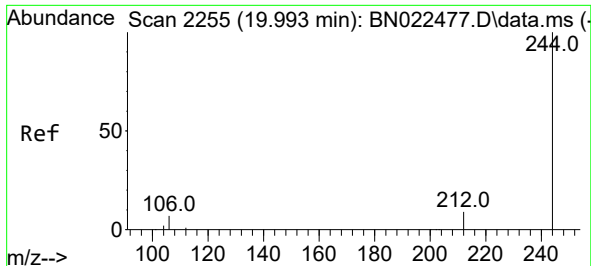
Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.4

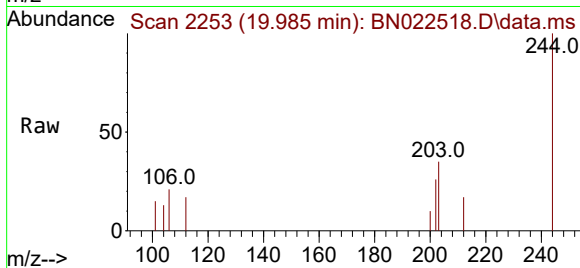
203 22.5 14.3 21.5#



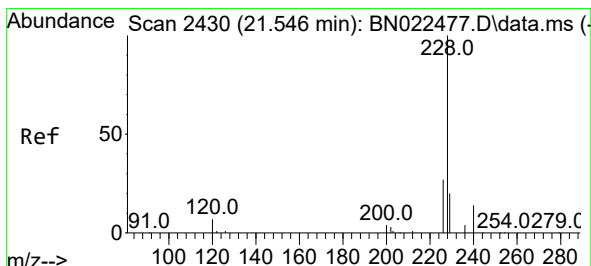
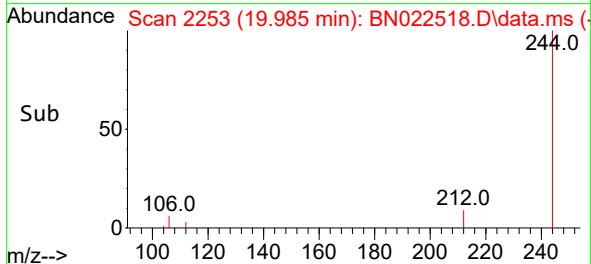
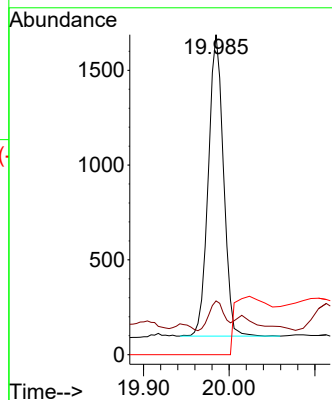


#31
Terphenyl-d14
Concen: 0.117 ng
RT: 19.985 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Instrument :
BNA_N
ClientSampleId :
S-13-103122DL

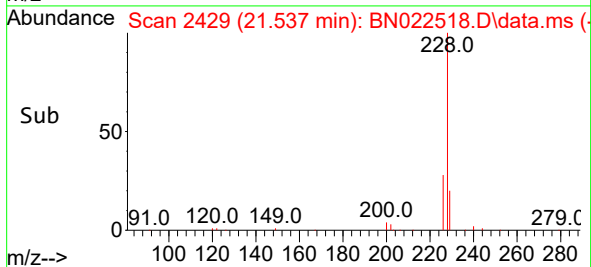
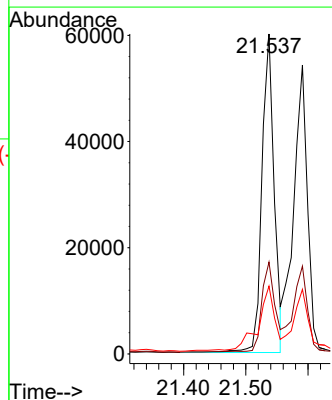
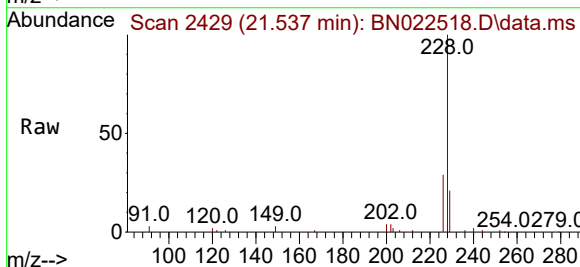


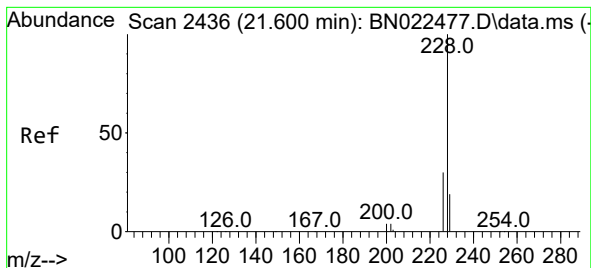
Tgt Ion:244 Resp: 2556
Ion Ratio Lower Upper
244 100
212 16.8 7.8 11.8#
122 0.0 0.0 0.0



#32
Benzo(a)anthracene
Concen: 2.900 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion:228 Resp: 82004
Ion Ratio Lower Upper
228 100
226 28.7 22.1 33.1
229 21.2 16.4 24.6





#33

Chrysene

Concen: 2.966 ng

RT: 21.591 min Scan# 2436

Delta R.T. -0.009 min

Lab File: BN022518.D

Acq: 04 Nov 2022 21:33

Instrument :

BNA_N

ClientSampleId :

S-13-103122DL

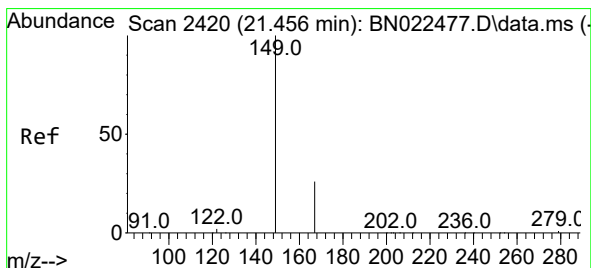
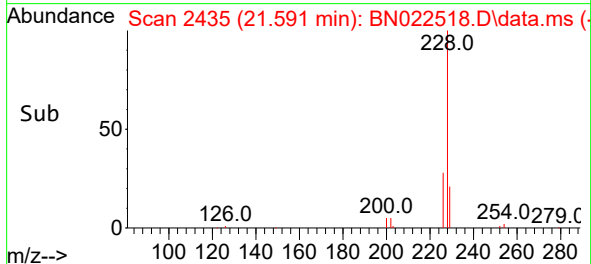
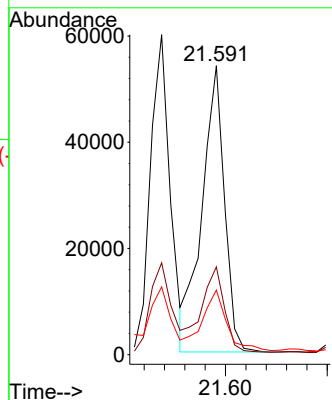
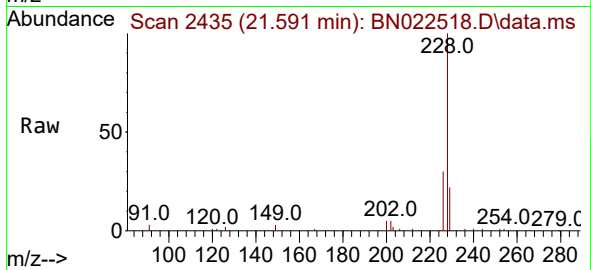
Tgt Ion:228 Resp: 83051

Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 22.4 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.353 ng

RT: 21.457 min Scan# 2420

Delta R.T. 0.000 min

Lab File: BN022518.D

Acq: 04 Nov 2022 21:33

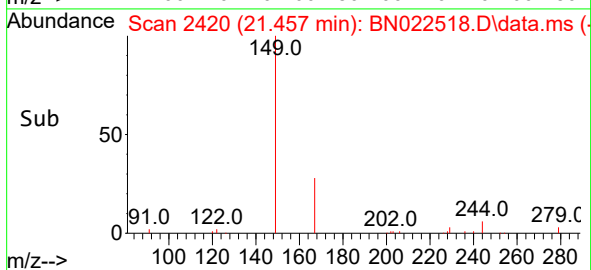
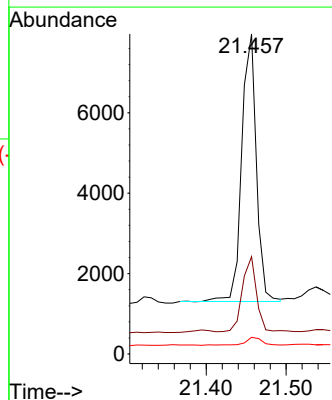
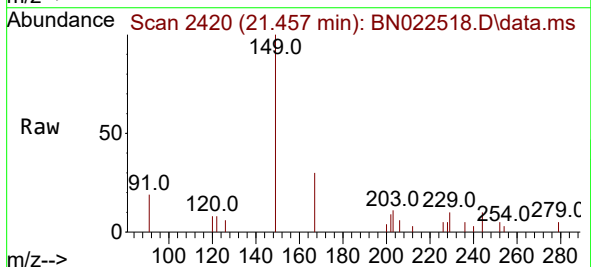
Tgt Ion:149 Resp: 8397

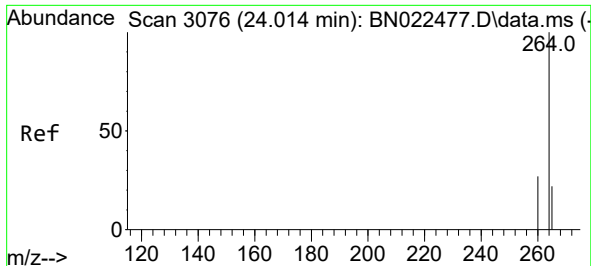
Ion Ratio Lower Upper

149 100

167 27.5 21.3 31.9

279 3.6 2.7 4.1

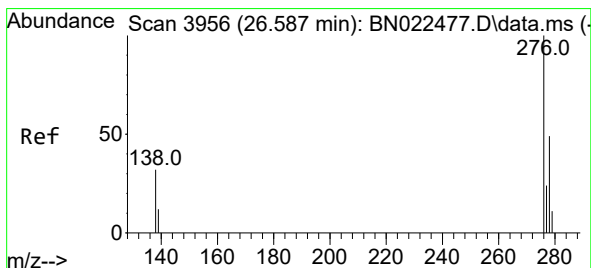
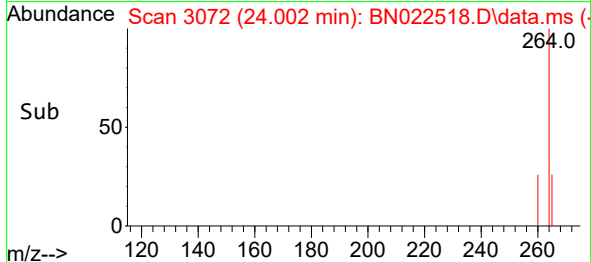
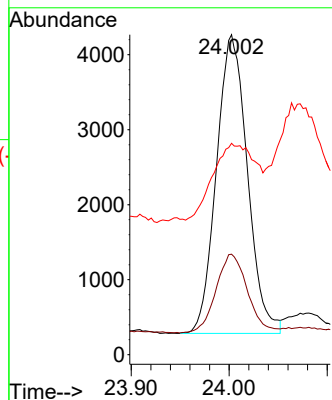
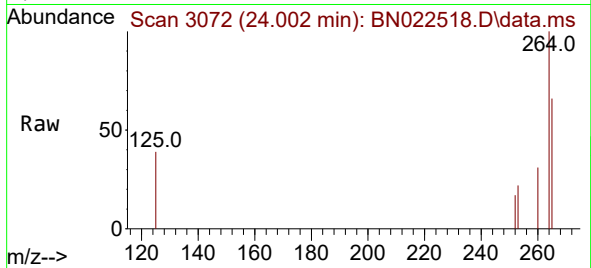




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.002 min Scan# 3072
 Delta R.T. -0.012 min
 Lab File: BN022518.D
 Acq: 04 Nov 2022 21:33

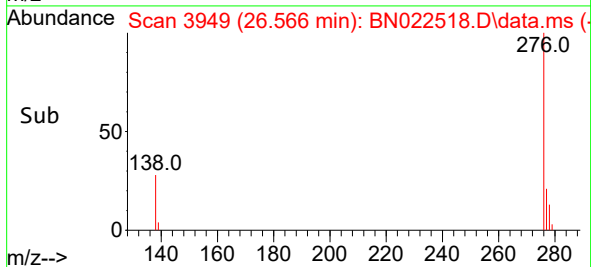
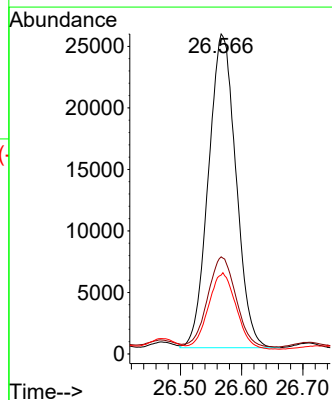
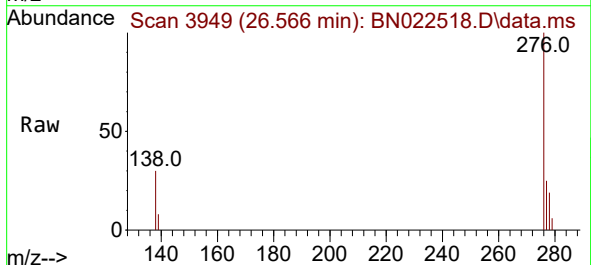
Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122DL

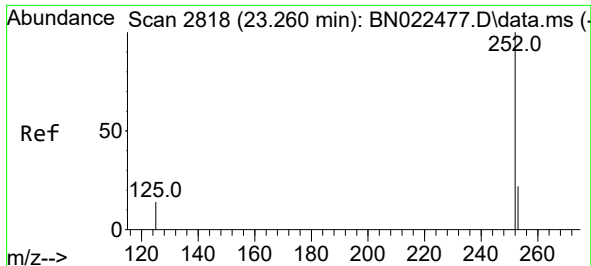
Tgt Ion:264 Resp: 8745
 Ion Ratio Lower Upper
 264 100
 260 31.4 22.4 33.6
 265 66.0 44.4 66.6



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.886 ng
 RT: 26.566 min Scan# 3949
 Delta R.T. -0.020 min
 Lab File: BN022518.D
 Acq: 04 Nov 2022 21:33

Tgt Ion:276 Resp: 79431
 Ion Ratio Lower Upper
 276 100
 138 29.4 27.5 41.3
 277 24.7 19.8 29.6

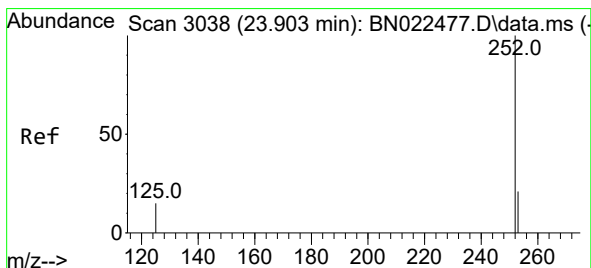
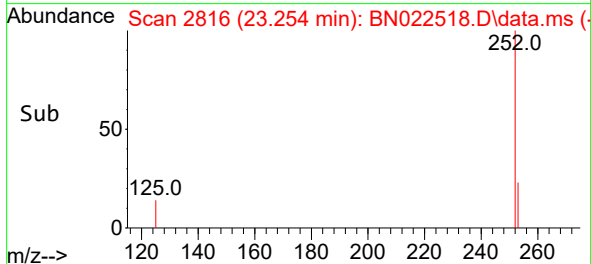
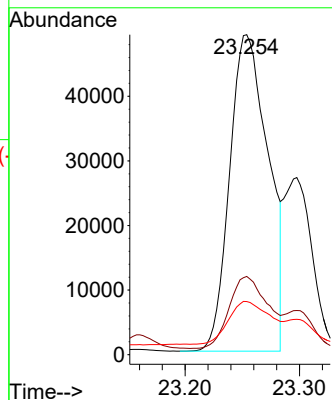
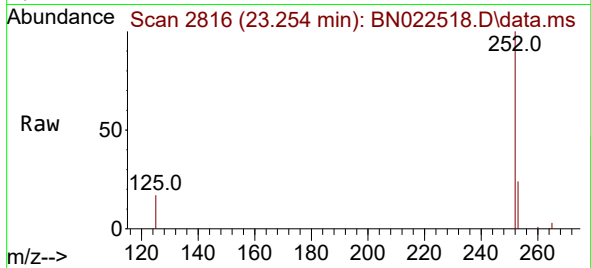




#37
Benzo(b)fluoranthene
Concen: 3.337 ng
RT: 23.254 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

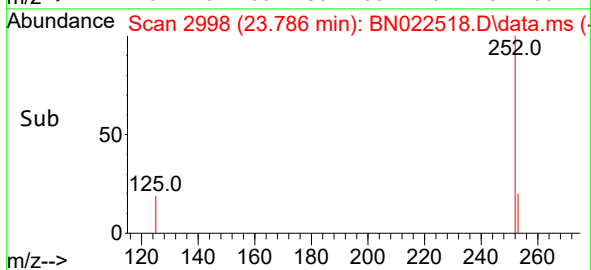
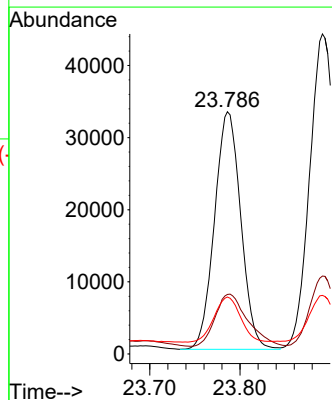
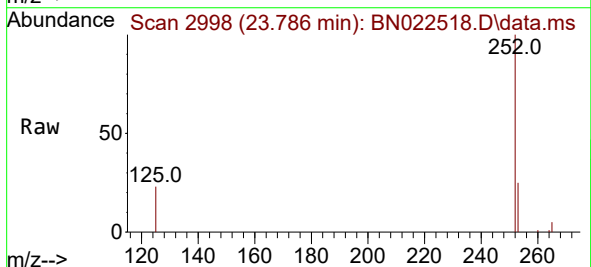
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL

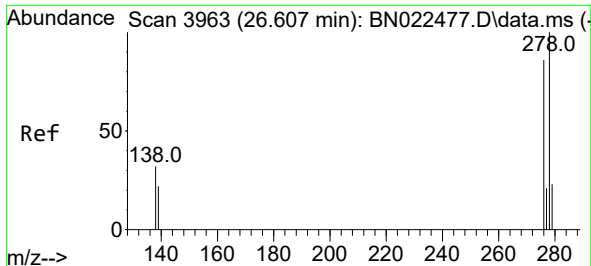
Tgt Ion:252 Resp: 114752
Ion Ratio Lower Upper
252 100
253 24.4 21.1 31.7
125 16.6 16.8 25.2#



#39
Benzo(a)pyrene
Concen: 2.267 ng
RT: 23.786 min Scan# 2998
Delta R.T. -0.117 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion:252 Resp: 66763
Ion Ratio Lower Upper
252 100
253 24.6 22.0 33.0
125 23.5 19.8 29.8

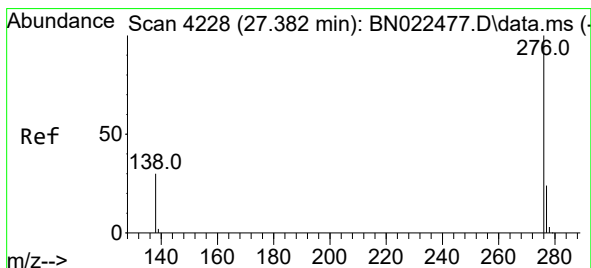
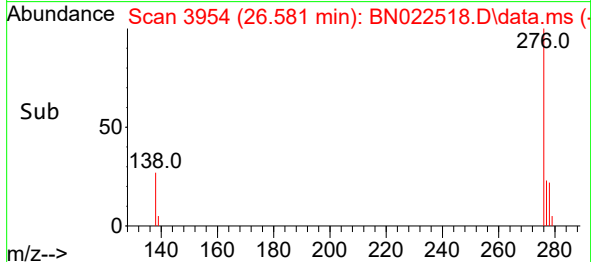
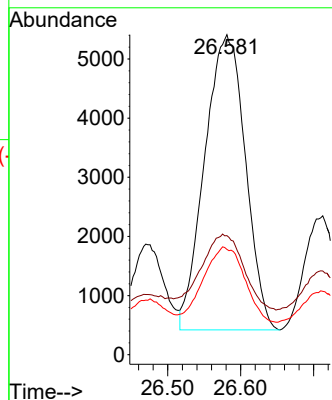
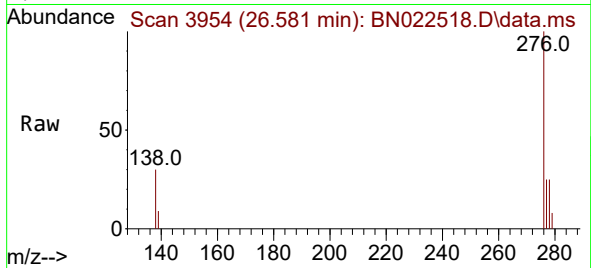




#40
Dibenzo(a,h)anthracene
Concen: 0.578 ng
RT: 26.581 min Scan# 3954
Delta R.T. -0.026 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Instrument :
BNA_N
ClientSampleId :
S-13-103122DL

Tgt Ion:278 Resp: 19349
Ion Ratio Lower Upper
278 100
139 37.2 21.8 32.6#
279 32.9 21.5 32.3#



#41
Benzo(g,h,i)perylene
Concen: 2.210 ng
RT: 27.362 min Scan# 4221
Delta R.T. -0.020 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion:276 Resp: 78641
Ion Ratio Lower Upper
276 100
277 25.2 21.0 31.4
138 31.4 26.0 39.0

