

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
 Data File : BN022519.D
 Acq On : 04 Nov 2022 22:11
 Operator : CG/JU
 Sample : N5395-13DL2 4X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122DL2

Quant Time: Nov 05 01:59:46 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

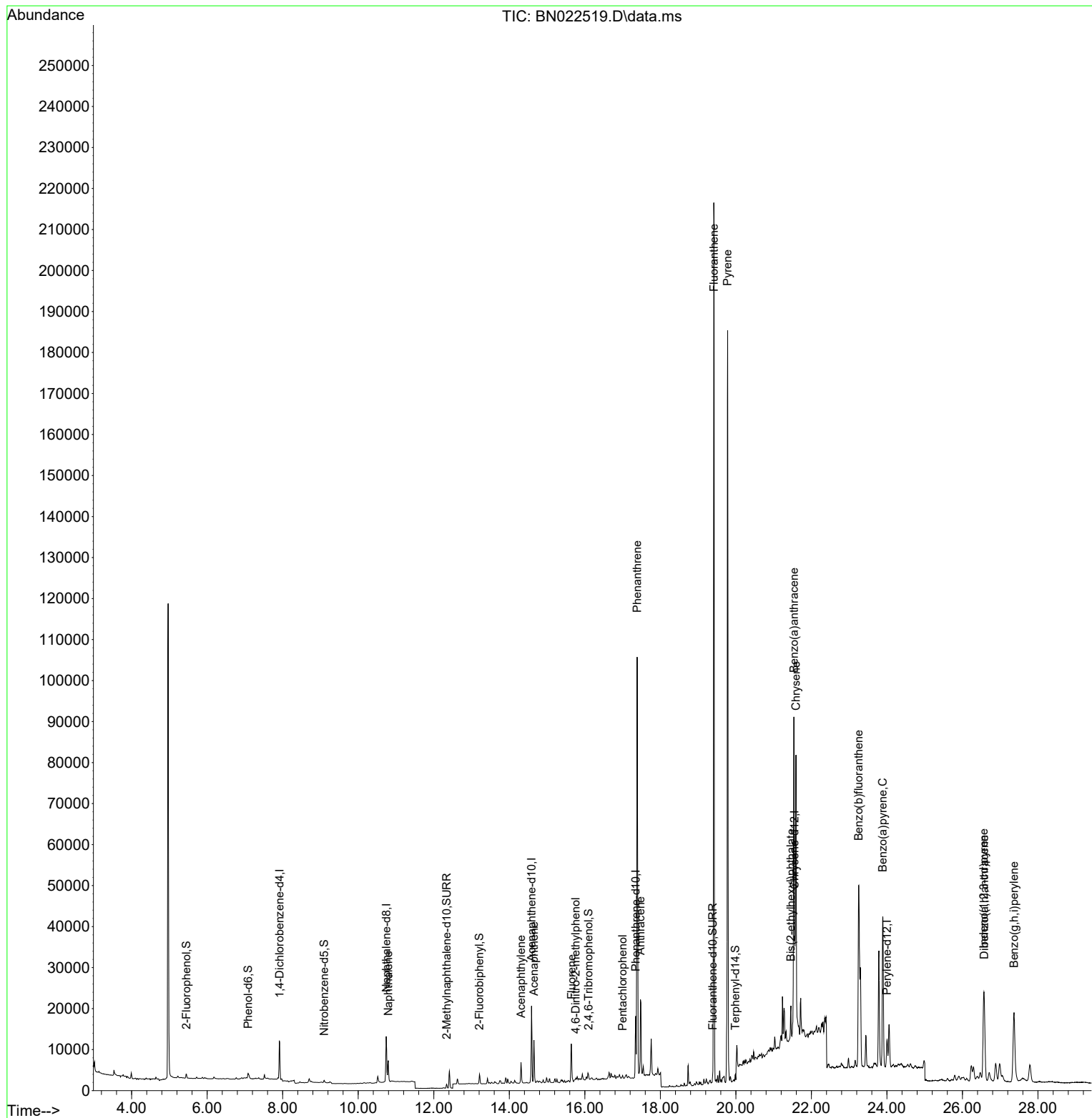
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.920	152	4757	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	15223	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	10005	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	19612	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	11173	0.400	ng	# 0.00
35) Perylene-d12	24.002	264	9831	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.450	112	965	0.072	ng	0.00
5) Phenol-d6	7.083	99	1388	0.082	ng	0.00
8) Nitrobenzene-d5	9.097	82	626	0.046	ng	-0.01
11) 2-Methylnaphthalene-d10	12.342	152	1453	0.057	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	288	0.055	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	2177	0.052	ng	-0.01
27) Fluoranthene-d10	19.386	212	2216	0.041	ng	0.00
31) Terphenyl-d14	19.985	244	1929	0.055	ng	0.00
Target Compounds						
9) Naphthalene	10.795	128	6977	0.151	ng	99
16) Acenaphthylene	14.311	152	5682	0.112	ng	98
17) Acenaphthene	14.653	154	4892	0.149	ng	100
18) Fluorene	15.647	166	6663	0.145	ng	# 97
20) 4,6-Dinitro-2-methylph...	15.761	198	7	0.232	ng	# 1
24) Pentachlorophenol	17.002	266	34	0.175	ng	# 88
25) Phenanthrene	17.387	178	98359	1.501	ng	100
26) Anthracene	17.474	178	22400	0.388	ng	95
28) Fluoranthene	19.416	202	187892	2.660	ng	99
30) Pyrene	19.782	202	156834	3.251	ng	# 95
32) Benzo(a)anthracene	21.537	228	64911	1.445	ng	98
33) Chrysene	21.591	228	64467	1.449	ng	96
34) Bis(2-ethylhexyl)phtha...	21.457	149	7426	0.196	ng	99
36) Indeno(1,2,3-cd)pyrene	26.566	276	37984	0.802	ng	95
37) Benzo(b)fluoranthene	23.254	252	79379	2.053	ng	97
39) Benzo(a)pyrene	23.891	252	53868	1.627	ng	95
40) Dibenzo(a,h)anthracene	26.581	278	9209	0.245	ng	# 70
41) Benzo(g,h,i)perylene	27.364	276	37754	0.944	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
Data File : BN022519.D
Acq On : 04 Nov 2022 22:11
Operator : CG/JU
Sample : N5395-13DL2 4X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2

Quant Time: Nov 05 01:59:46 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

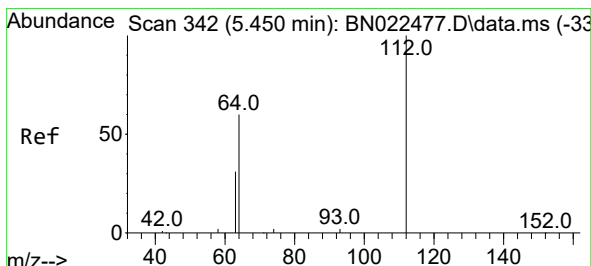
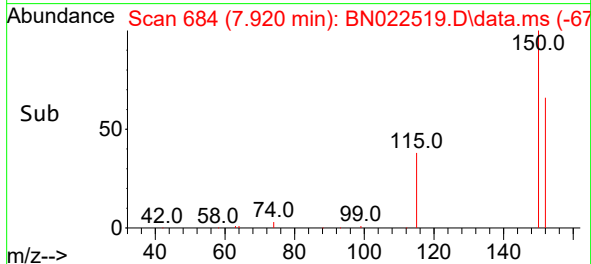
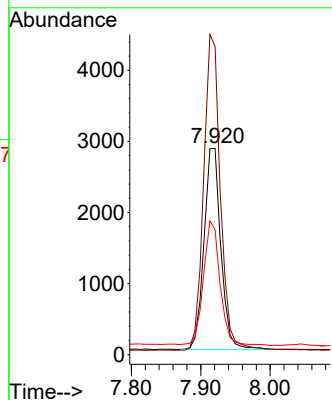
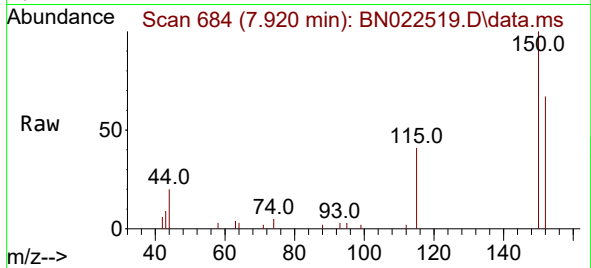




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.920 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN022519.D
 Acq: 04 Nov 2022 22:11

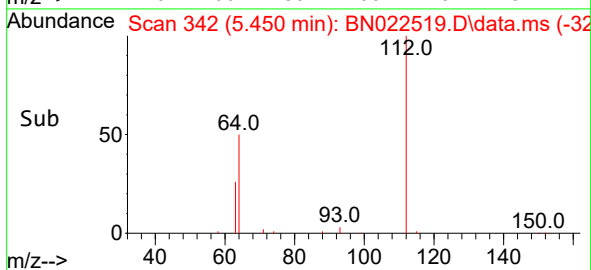
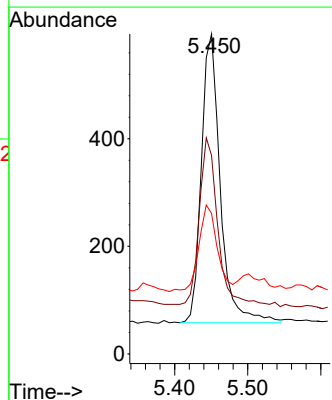
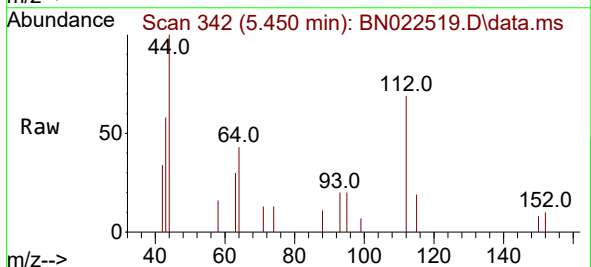
Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122DL2

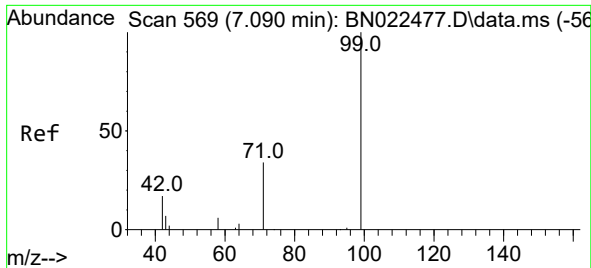
Tgt Ion:152 Resp: 4757
 Ion Ratio Lower Upper
 152 100
 150 149.5 123.4 185.2
 115 60.6 54.9 82.3



#4
 2-Fluorophenol
 Concen: 0.072 ng
 RT: 5.450 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: BN022519.D
 Acq: 04 Nov 2022 22:11

Tgt Ion:112 Resp: 965
 Ion Ratio Lower Upper
 112 100
 64 58.4 47.1 70.7
 63 29.1 24.6 36.8

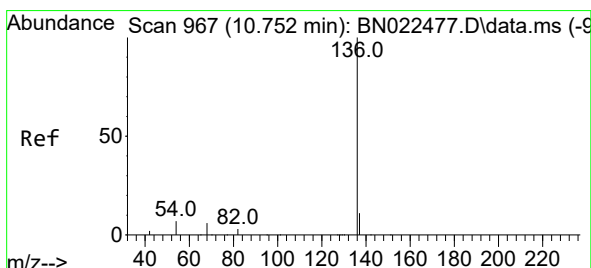
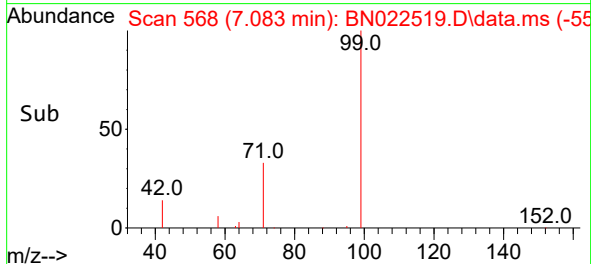
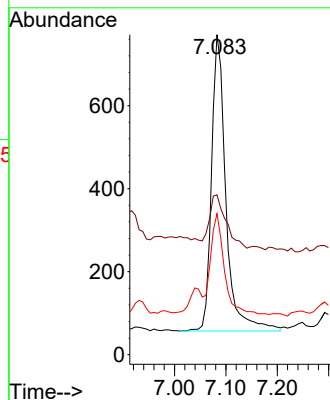
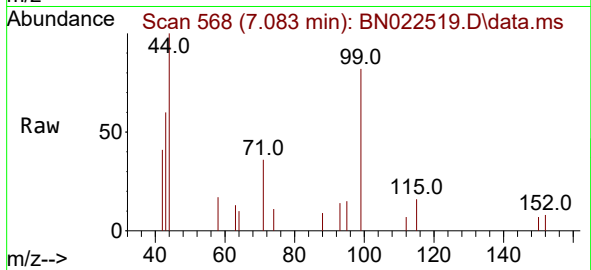




#5
Phenol-d6
Concen: 0.082 ng
RT: 7.083 min Scan# 50
Delta R.T. -0.007 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

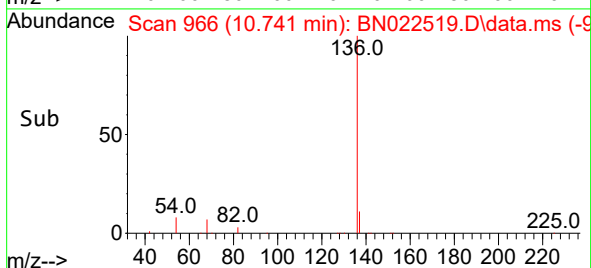
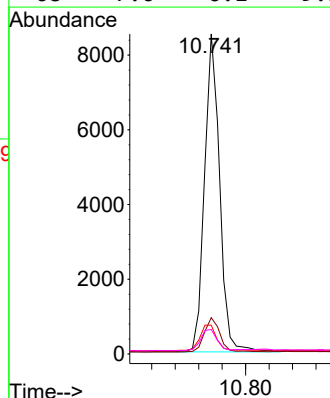
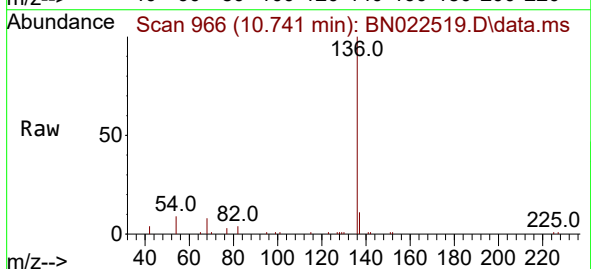
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2

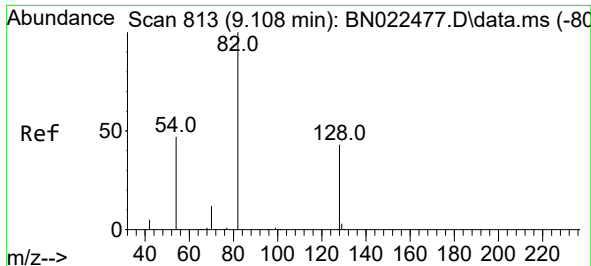
Tgt Ion: 99 Resp: 1388
Ion Ratio Lower Upper
99 100
42 19.2 14.7 22.1
71 32.7 27.0 40.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 966
Delta R.T. -0.011 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Tgt Ion: 136 Resp: 15223
Ion Ratio Lower Upper
136 100
137 11.4 9.5 14.3
54 9.0 7.1 10.7
68 7.6 6.1 9.1

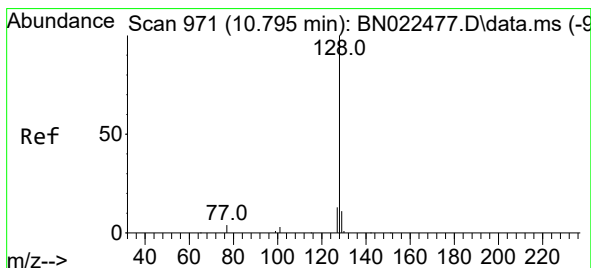
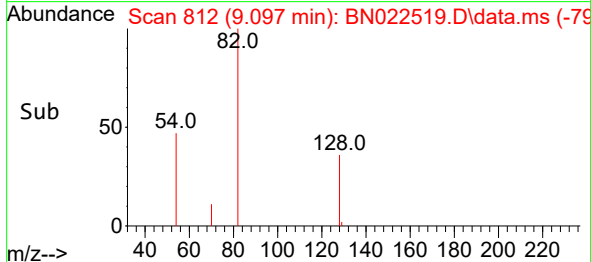
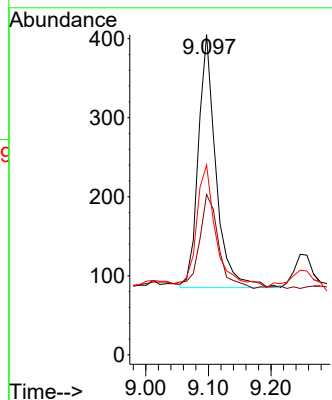
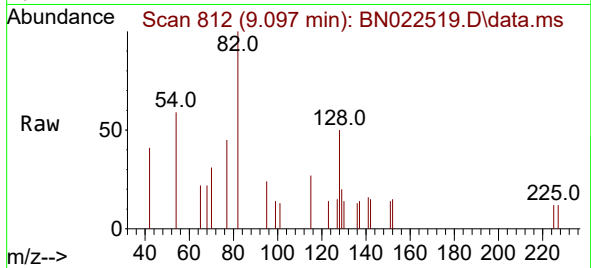




#8
Nitrobenzene-d5
Concen: 0.046 ng
RT: 9.097 min Scan# 813
Delta R.T. -0.011 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

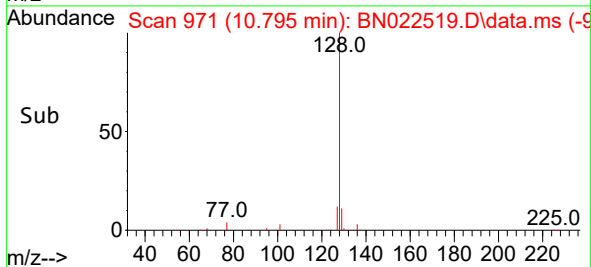
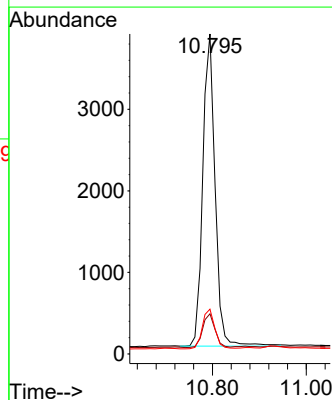
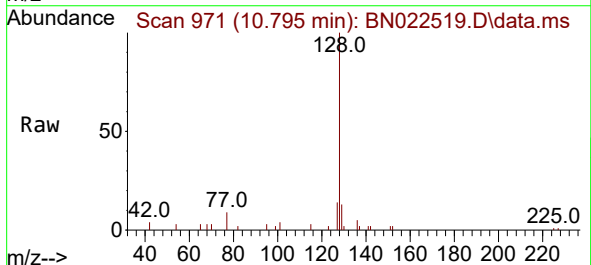
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2

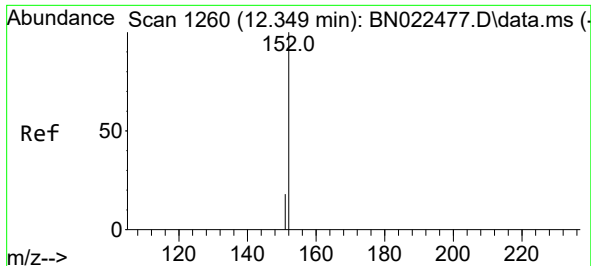
Tgt Ion: 82 Resp: 626
Ion Ratio Lower Upper
82 100
128 50.1 37.3 55.9
54 59.3 40.0 60.0



#9
Naphthalene
Concen: 0.151 ng
RT: 10.795 min Scan# 971
Delta R.T. 0.000 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Tgt Ion: 128 Resp: 6977
Ion Ratio Lower Upper
128 100
129 12.5 9.8 14.6
127 14.0 11.4 17.2

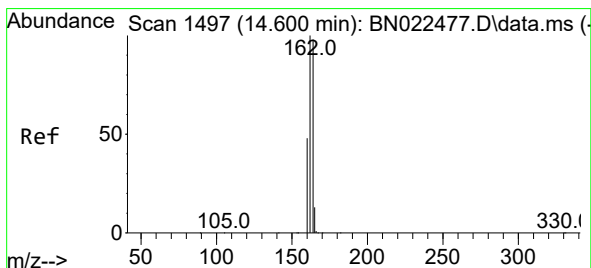
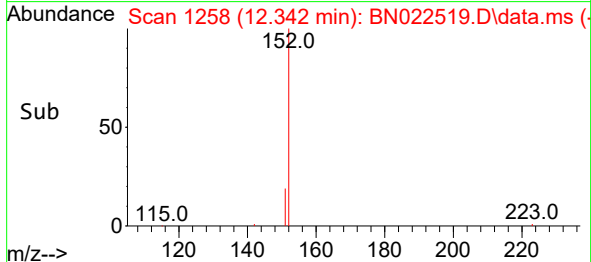
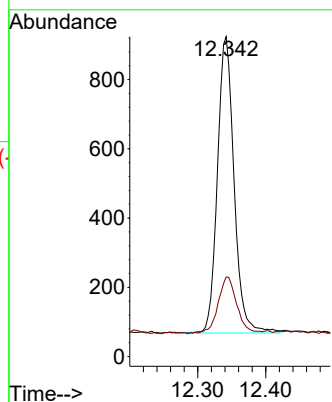
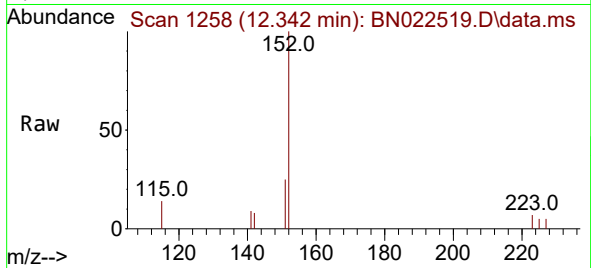




#11
2-Methylnaphthalene-d10
Concen: 0.057 ng
RT: 12.342 min Scan# 11
Delta R.T. -0.007 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

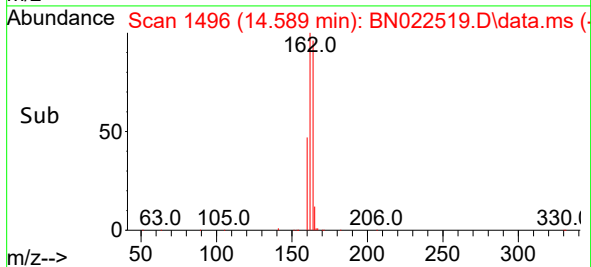
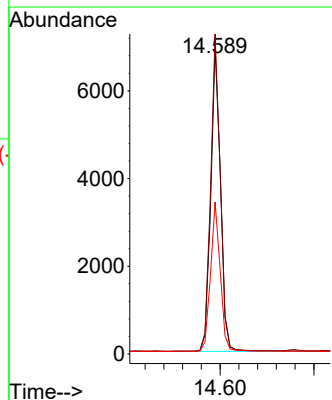
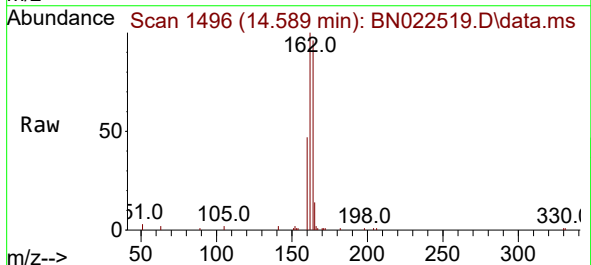
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2

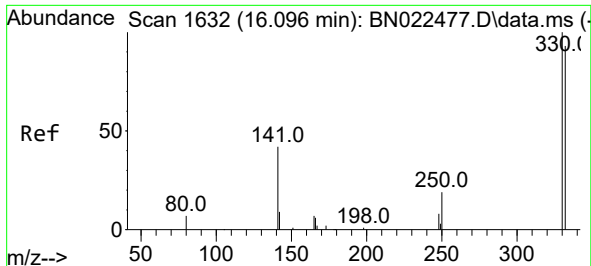
Tgt Ion:152 Resp: 1453
Ion Ratio Lower Upper
152 100
151 21.8 16.6 25.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Tgt Ion:164 Resp: 10005
Ion Ratio Lower Upper
164 100
162 104.2 82.0 123.0
160 49.4 39.4 59.2

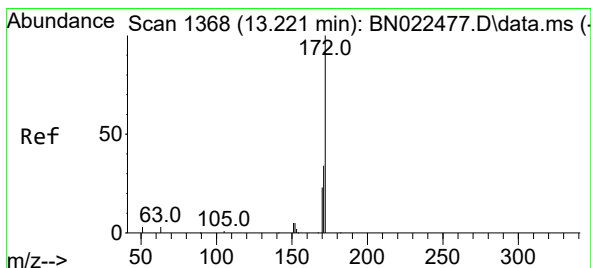
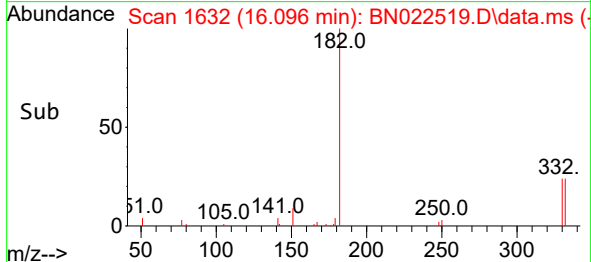
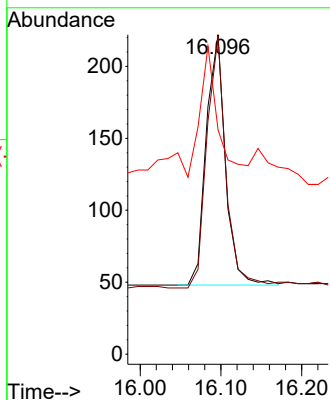
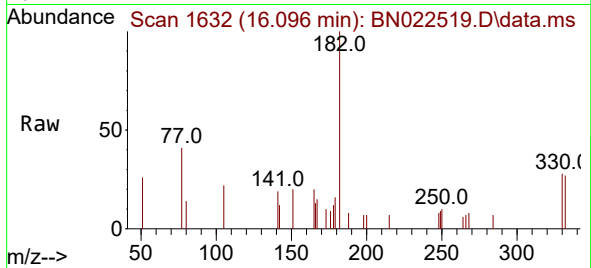




#14
2,4,6-Tribromophenol
Concen: 0.055 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

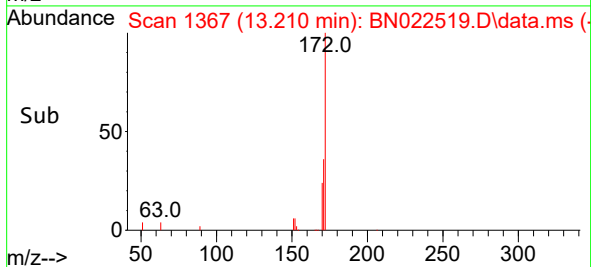
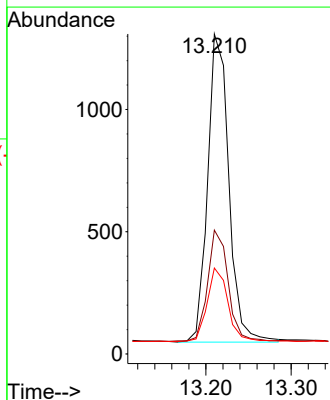
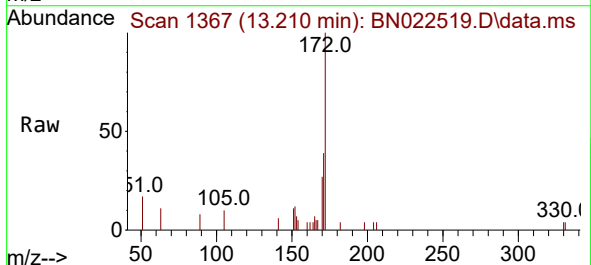
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2

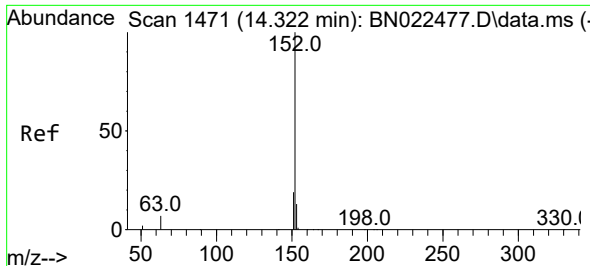
Tgt Ion: 330 Resp: 288
Ion Ratio Lower Upper
330 100
332 101.7 77.8 116.8
141 46.5 35.0 52.6



#15
2-Fluorobiphenyl
Concen: 0.052 ng
RT: 13.210 min Scan# 1367
Delta R.T. -0.011 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Tgt Ion: 172 Resp: 2177
Ion Ratio Lower Upper
172 100
171 38.7 27.9 41.9
170 26.9 19.2 28.8

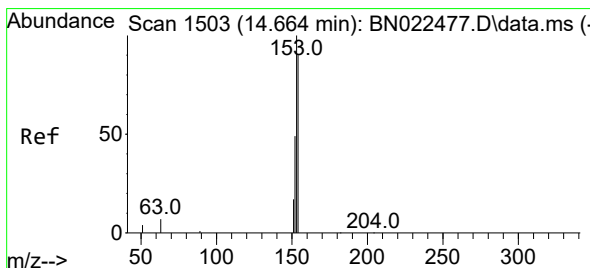
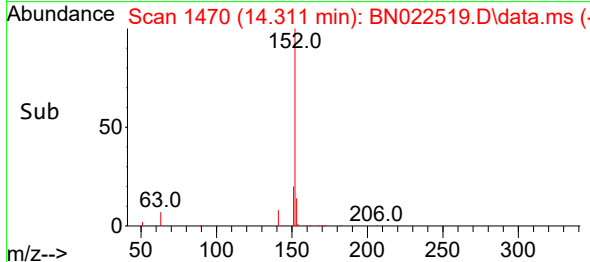
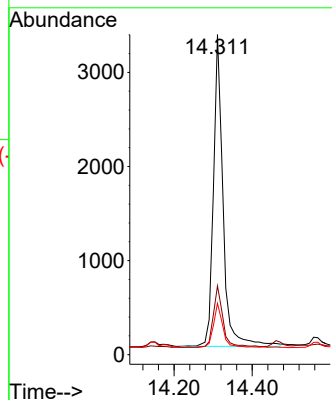
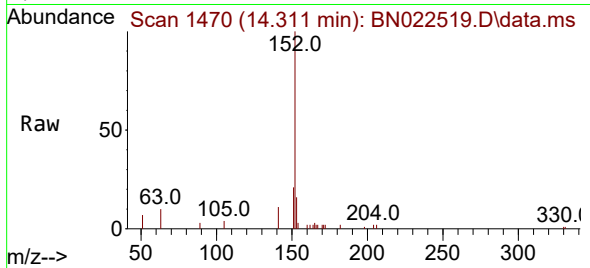




#16
 Acenaphthylene
 Concen: 0.112 ng
 RT: 14.311 min Scan# 1471
 Delta R.T. -0.011 min
 Lab File: BN022519.D
 Acq: 04 Nov 2022 22:11

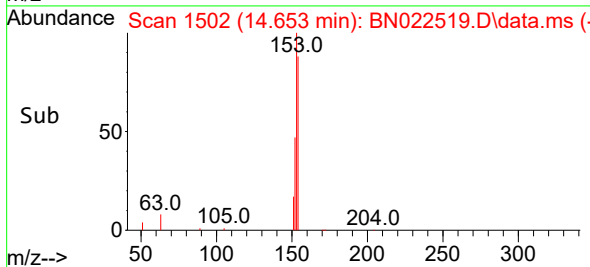
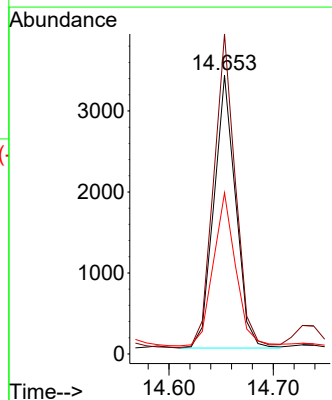
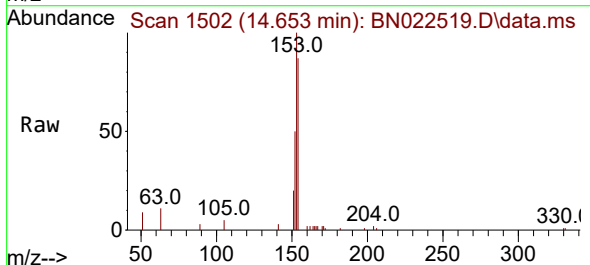
Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122DL2

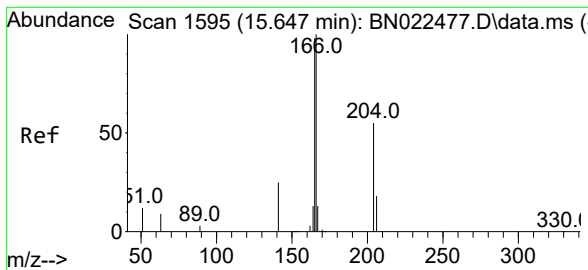
Tgt Ion:152 Resp: 5682
 Ion Ratio Lower Upper
 152 100
 151 20.1 15.8 23.6
 153 14.0 10.3 15.5



#17
 Acenaphthene
 Concen: 0.149 ng
 RT: 14.653 min Scan# 1502
 Delta R.T. -0.011 min
 Lab File: BN022519.D
 Acq: 04 Nov 2022 22:11

Tgt Ion:154 Resp: 4892
 Ion Ratio Lower Upper
 154 100
 153 114.7 91.8 137.8
 152 57.5 45.7 68.5

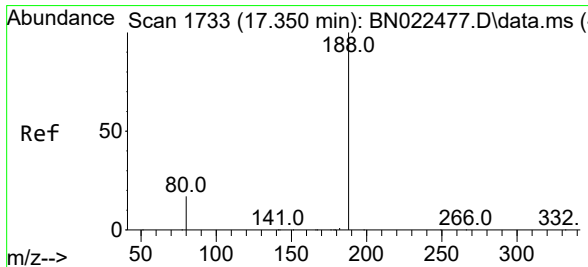
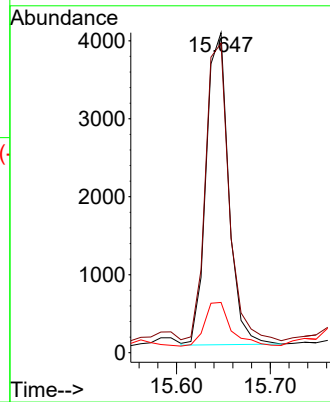
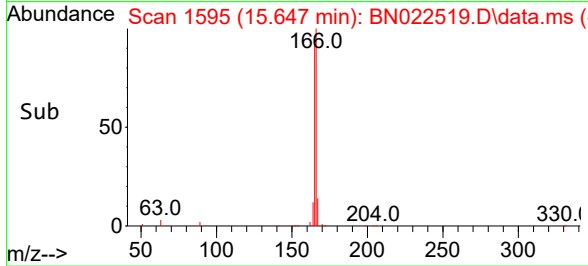
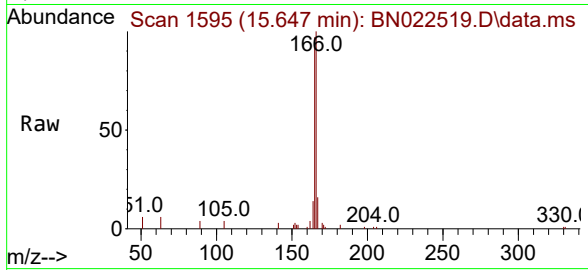




#18
 Fluorene
 Concen: 0.145 ng
 RT: 15.647 min Scan# 1595
 Delta R.T. 0.000 min
 Lab File: BN022519.D
 Acq: 04 Nov 2022 22:11

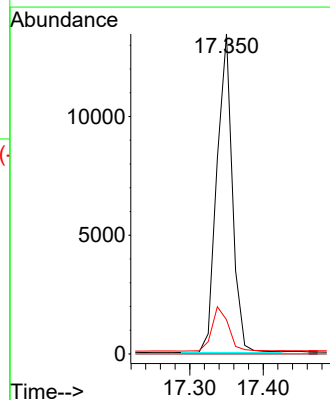
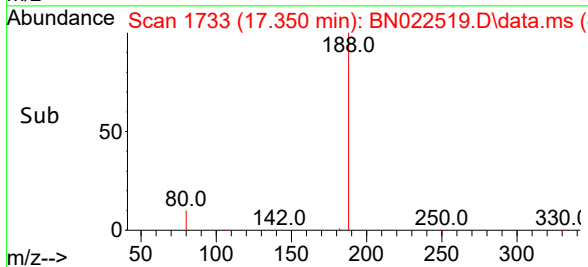
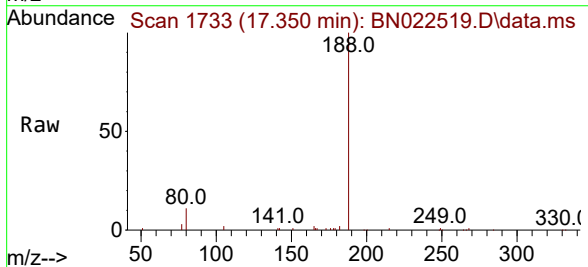
Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122DL2

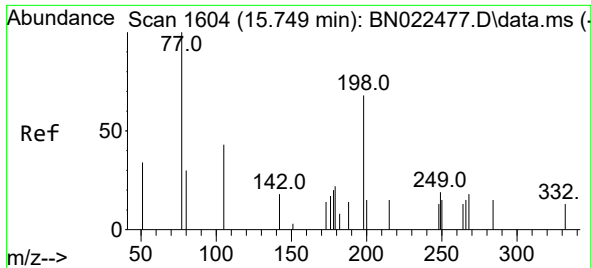
Tgt Ion:166 Resp: 6663
 Ion Ratio Lower Upper
 166 100
 165 100.2 78.7 118.1
 167 16.5 10.2 15.2#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.350 min Scan# 1733
 Delta R.T. 0.000 min
 Lab File: BN022519.D
 Acq: 04 Nov 2022 22:11

Tgt Ion:188 Resp: 19612
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 10.7 14.6 21.8#

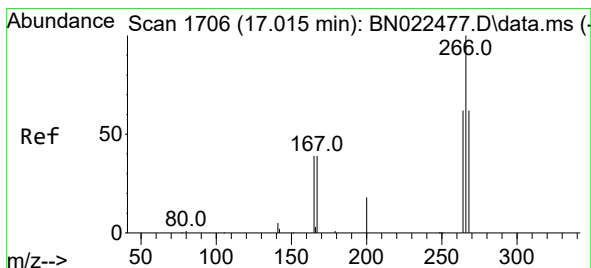
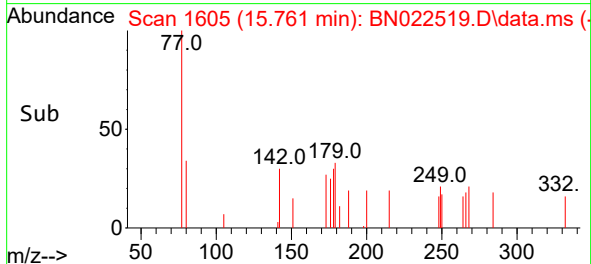
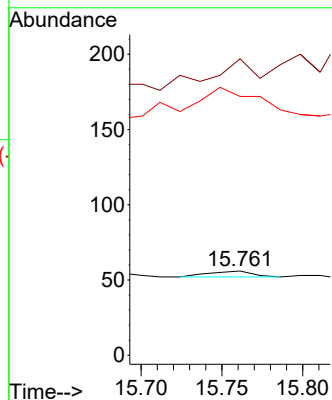
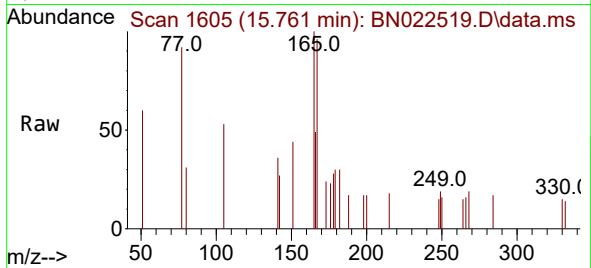




#20
4,6-Dinitro-2-methylphenol
Concen: 0.232 ng
RT: 15.761 min Scan# 1605
Delta R.T. 0.012 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

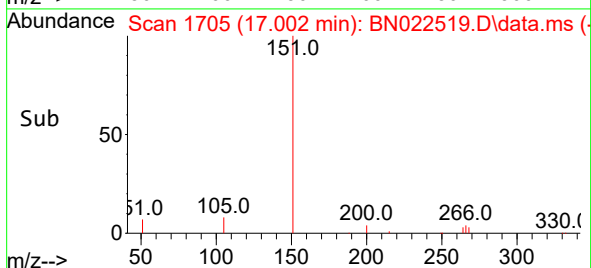
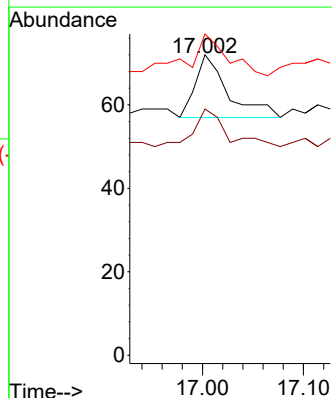
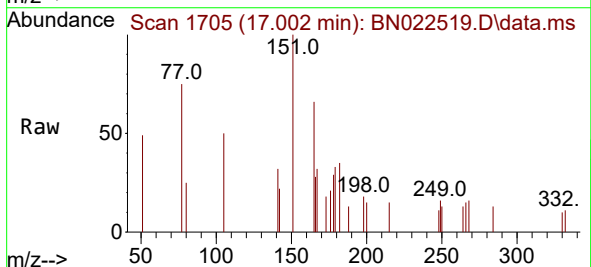
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2

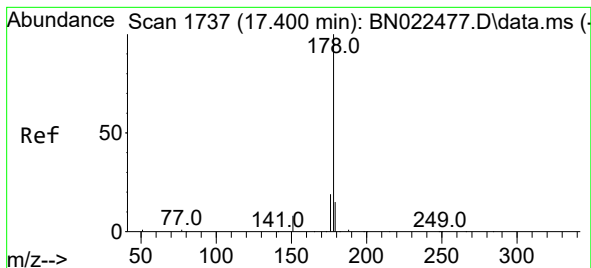
Tgt Ion:198 Resp: 7
Ion Ratio Lower Upper
198 100
51 351.8 83.8 125.8#
105 307.1 71.4 107.2#



#24
Pentachlorophenol
Concen: 0.175 ng
RT: 17.002 min Scan# 1705
Delta R.T. -0.013 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Tgt Ion:266 Resp: 34
Ion Ratio Lower Upper
266 100
264 58.8 50.6 75.8
268 82.4 54.1 81.1#





#25

Phenanthrene

Concen: 1.501 ng

RT: 17.387 min Scan# 1736

Delta R.T. -0.013 min

Lab File: BN022519.D

Acq: 04 Nov 2022 22:11

Instrument :

BNA_N

ClientSampleId :

S-13-103122DL2

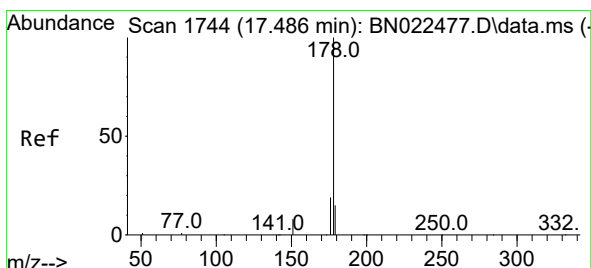
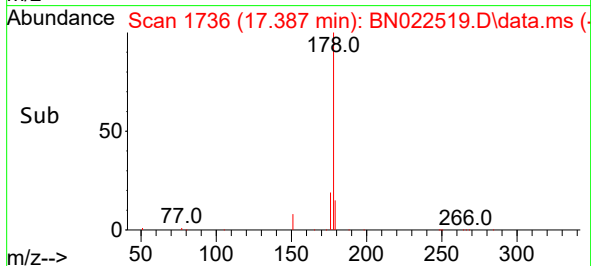
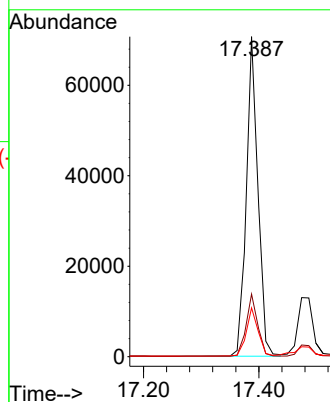
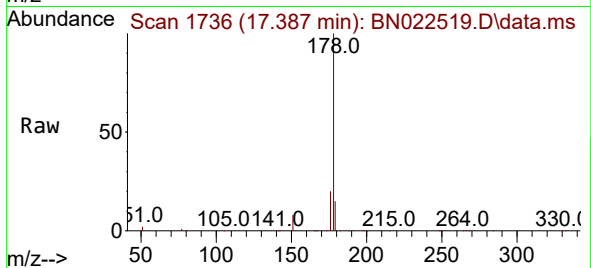
Tgt Ion:178 Resp: 98359

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.3 12.2 18.4



#26

Anthracene

Concen: 0.388 ng

RT: 17.474 min Scan# 1743

Delta R.T. -0.012 min

Lab File: BN022519.D

Acq: 04 Nov 2022 22:11

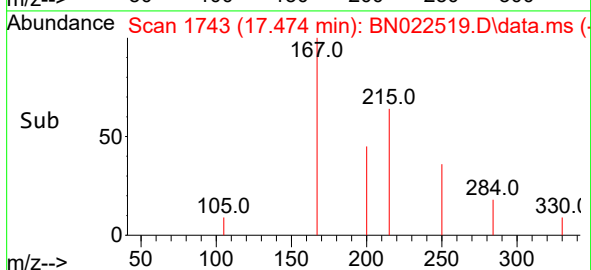
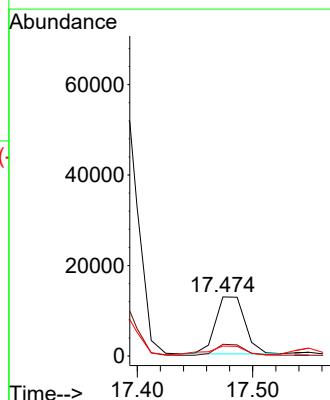
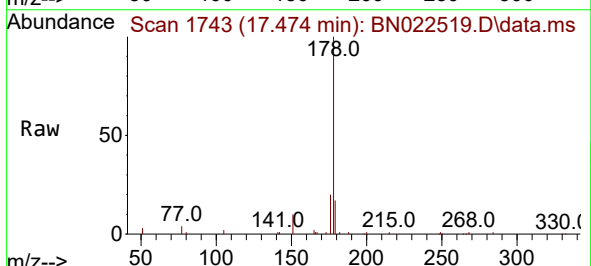
Tgt Ion:178 Resp: 22400

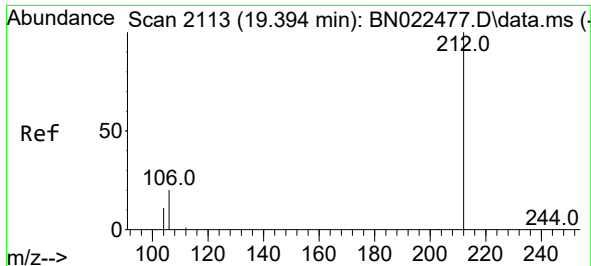
Ion Ratio Lower Upper

178 100

176 19.7 14.8 22.2

179 18.2 12.2 18.2

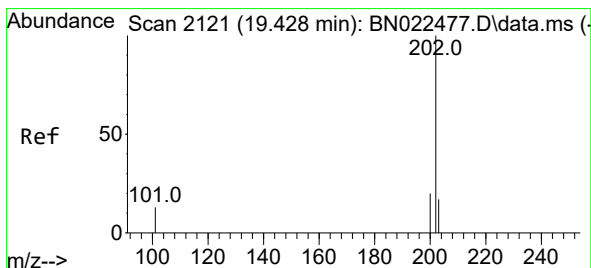
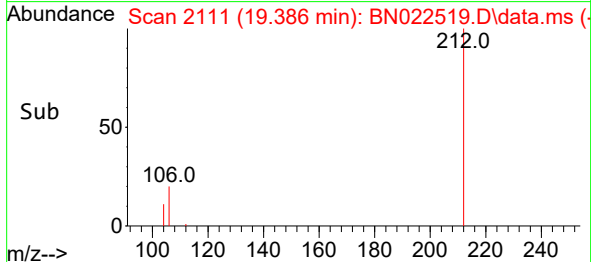
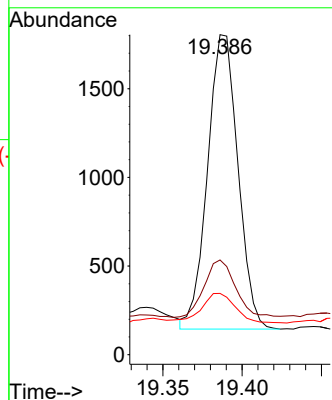
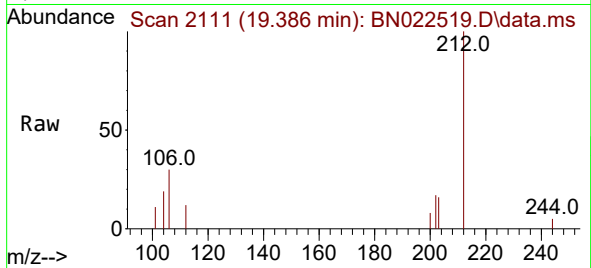




#27
Fluoranthene-d10
Concen: 0.041 ng
RT: 19.386 min Scan# 2111
Delta R.T. -0.008 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

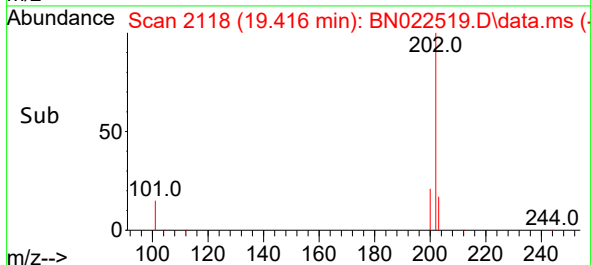
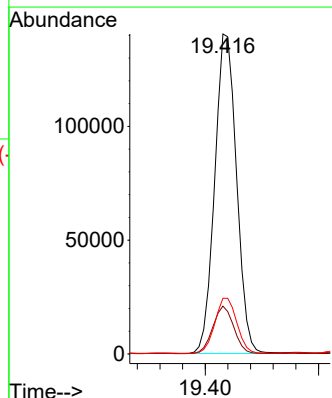
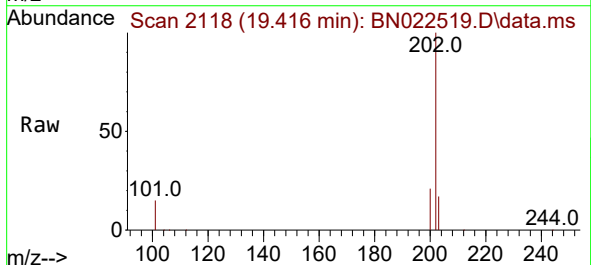
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2

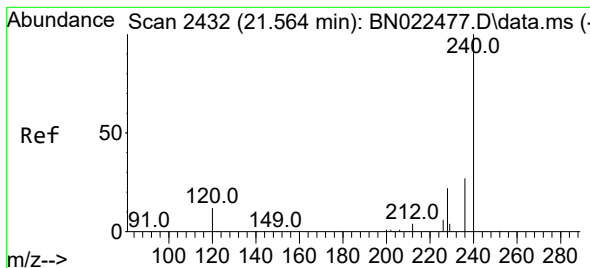
Tgt Ion:212 Resp: 2216
Ion Ratio Lower Upper
212 100
106 20.1 15.2 22.8
104 11.1 8.6 12.8



#28
Fluoranthene
Concen: 2.660 ng
RT: 19.416 min Scan# 2118
Delta R.T. -0.013 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Tgt Ion:202 Resp: 187892
Ion Ratio Lower Upper
202 100
101 14.2 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: BN022519.D

Acq: 04 Nov 2022 22:11

Instrument :

BNA_N

ClientSampleId :

S-13-103122DL2

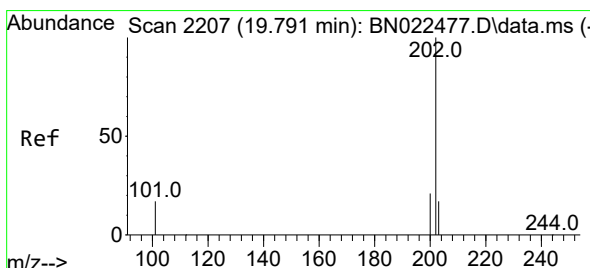
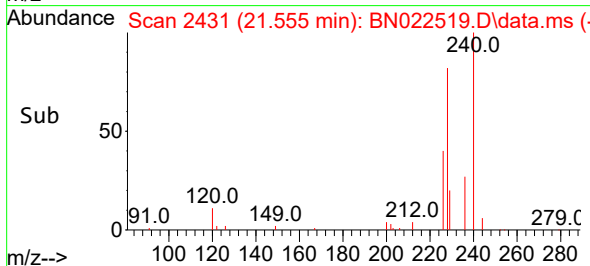
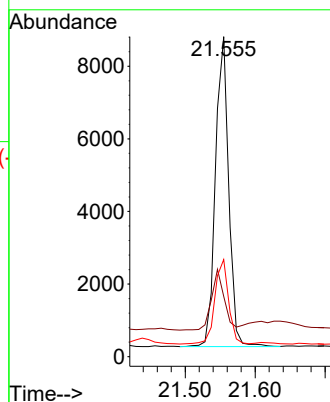
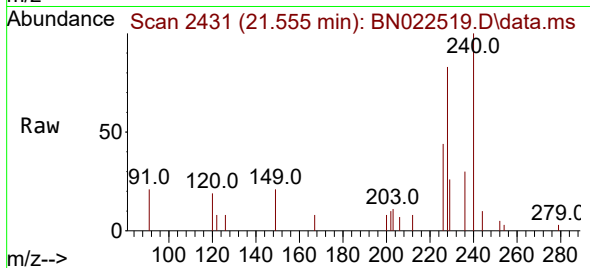
Tgt Ion:240 Resp: 11173

Ion Ratio Lower Upper

240 100

120 18.8 12.4 18.6#

236 30.3 22.7 34.1



#30

Pyrene

Concen: 3.251 ng

RT: 19.782 min Scan# 2205

Delta R.T. -0.008 min

Lab File: BN022519.D

Acq: 04 Nov 2022 22:11

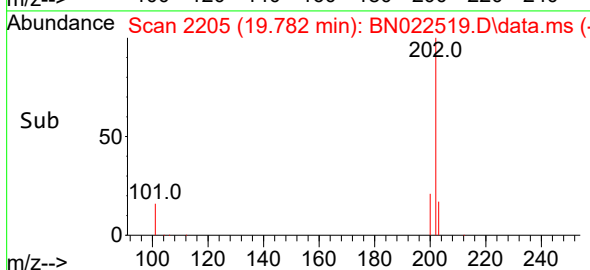
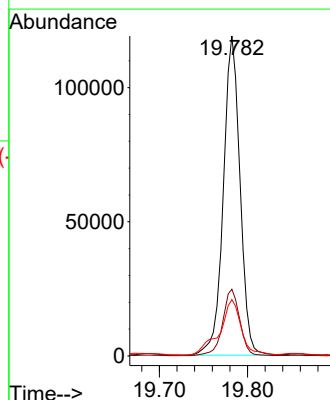
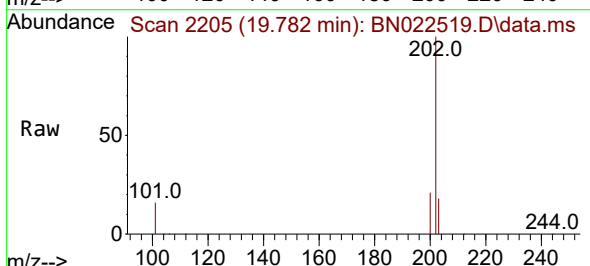
Tgt Ion:202 Resp: 156834

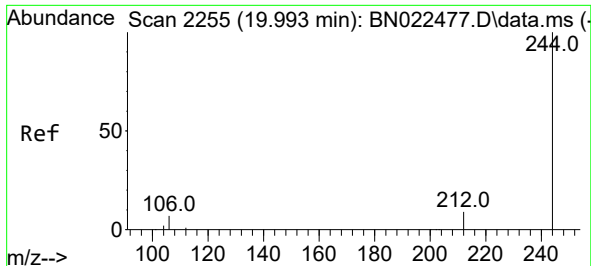
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 22.3 14.3 21.5#

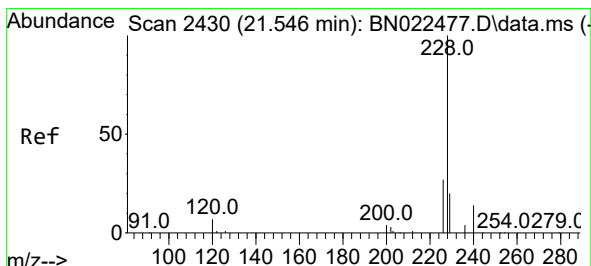
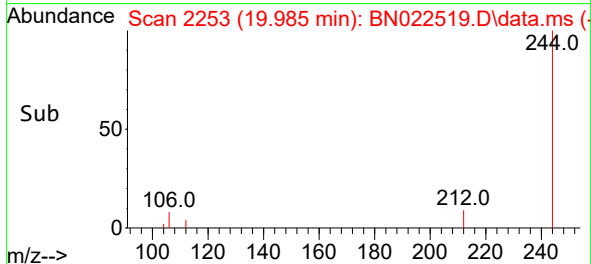
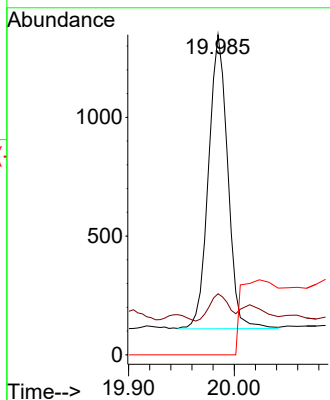
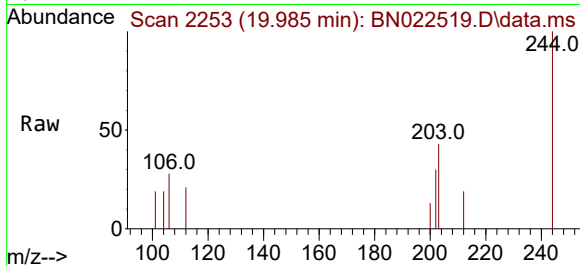




#31
 Terphenyl-d14
 Concen: 0.055 ng
 RT: 19.985 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BN022519.D
 Acq: 04 Nov 2022 22:11

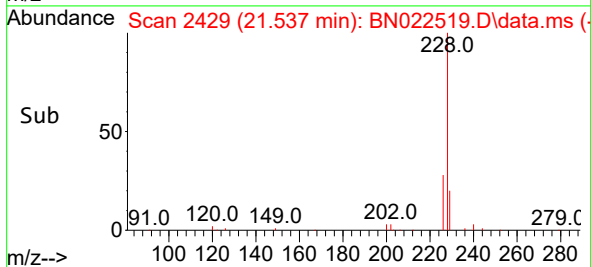
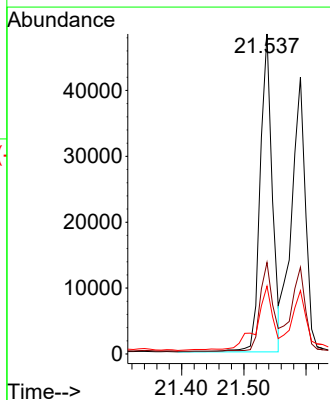
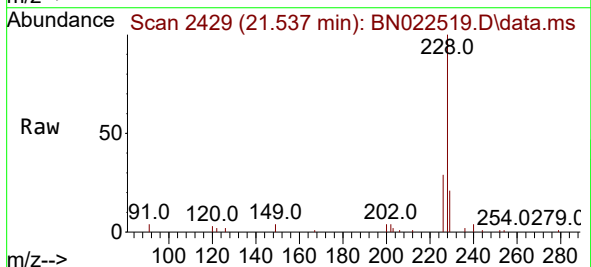
Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122DL2

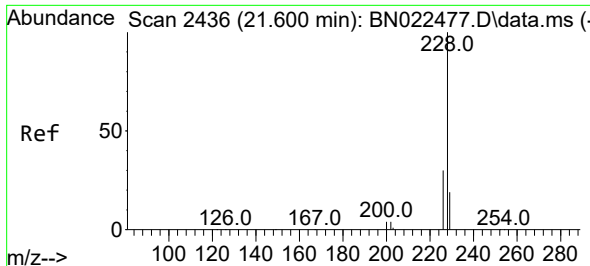
Tgt Ion:244 Resp: 1929
 Ion Ratio Lower Upper
 244 100
 212 19.1 7.8 11.8#
 122 0.0 0.0 0.0



#32
 Benzo(a)anthracene
 Concen: 1.445 ng
 RT: 21.537 min Scan# 2429
 Delta R.T. -0.009 min
 Lab File: BN022519.D
 Acq: 04 Nov 2022 22:11

Tgt Ion:228 Resp: 64911
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.1 33.1
 229 21.2 16.4 24.6





#33

Chrysene

Concen: 1.449 ng

RT: 21.591 min Scan# 2436

Delta R.T. -0.009 min

Lab File: BN022519.D

Acq: 04 Nov 2022 22:11

Instrument :

BNA_N

ClientSampleId :

S-13-103122DL2

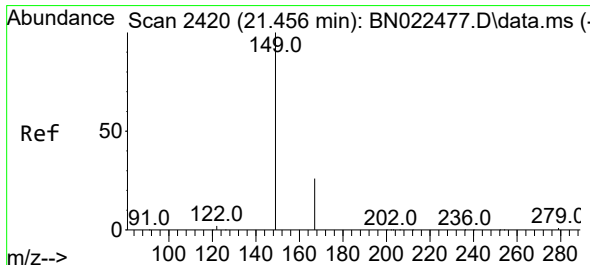
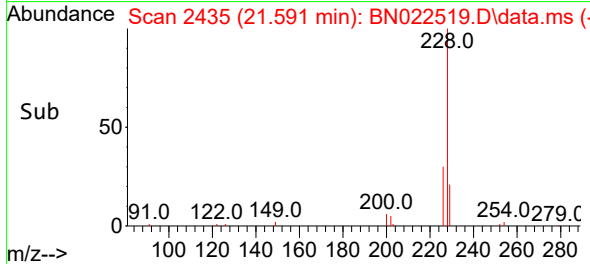
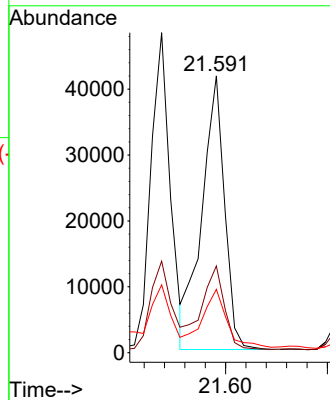
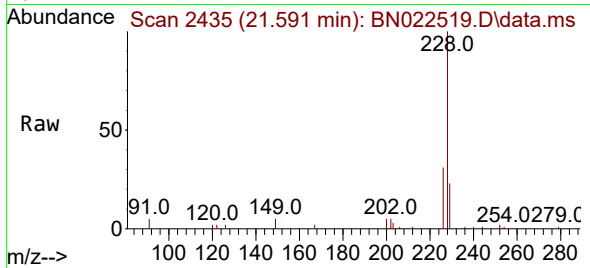
Tgt Ion:228 Resp: 64467

Ion Ratio Lower Upper

228 100

226 31.3 24.1 36.1

229 22.9 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.196 ng

RT: 21.457 min Scan# 2420

Delta R.T. 0.000 min

Lab File: BN022519.D

Acq: 04 Nov 2022 22:11

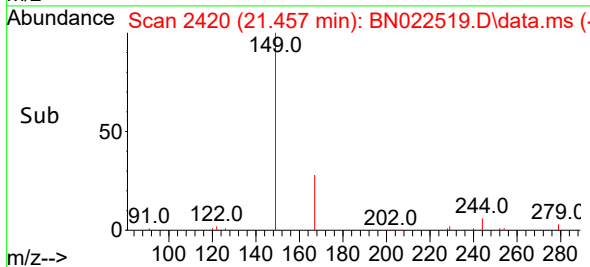
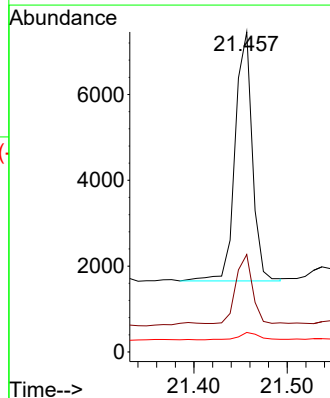
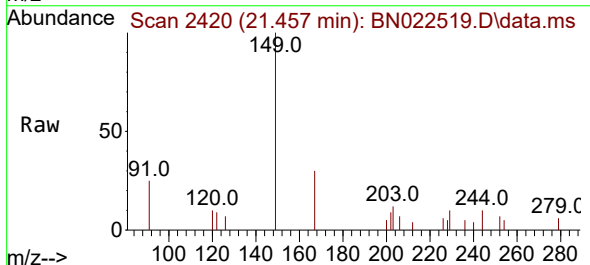
Tgt Ion:149 Resp: 7426

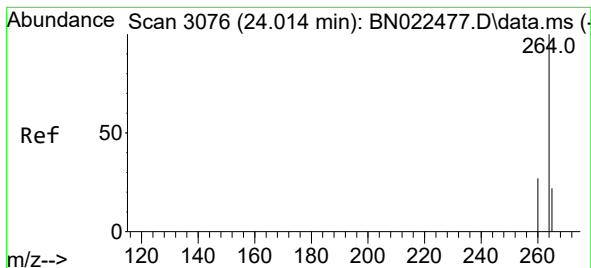
Ion Ratio Lower Upper

149 100

167 27.1 21.3 31.9

279 3.4 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: BN022519.D

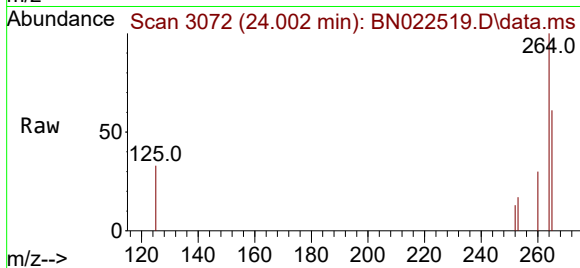
Acq: 04 Nov 2022 22:11

Instrument :

BNA_N

ClientSampleId :

S-13-103122DL2



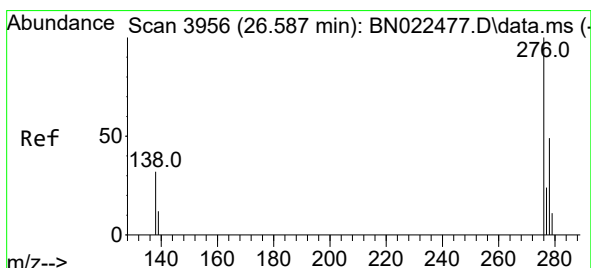
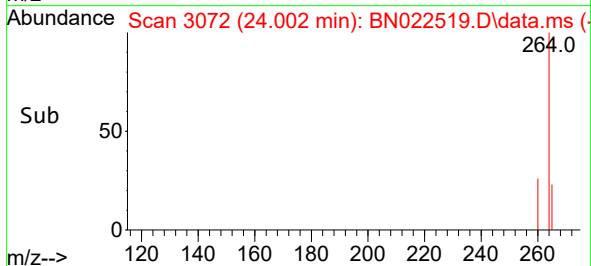
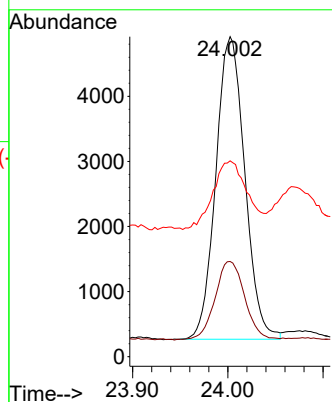
Tgt Ion:264 Resp: 9831

Ion Ratio Lower Upper

264 100

260 29.8 22.4 33.6

265 61.2 44.4 66.6



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.802 ng

RT: 26.566 min Scan# 3949

Delta R.T. -0.020 min

Lab File: BN022519.D

Acq: 04 Nov 2022 22:11

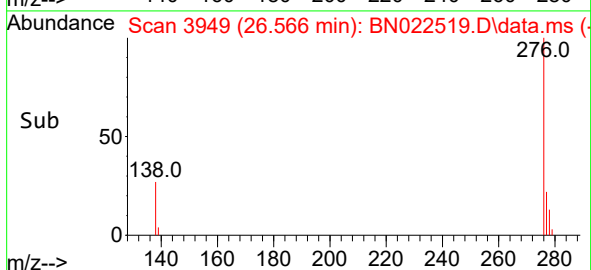
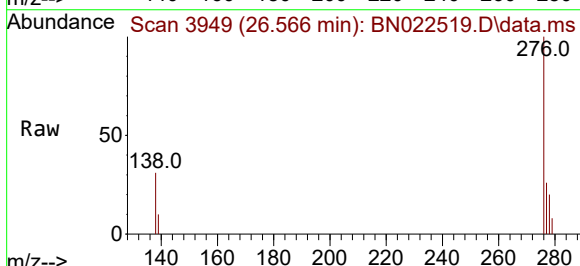
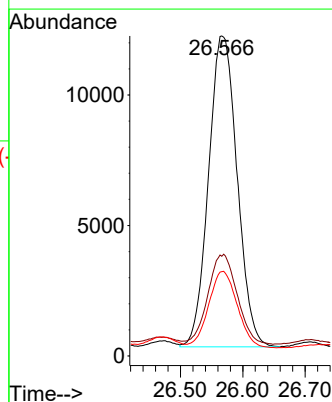
Tgt Ion:276 Resp: 37984

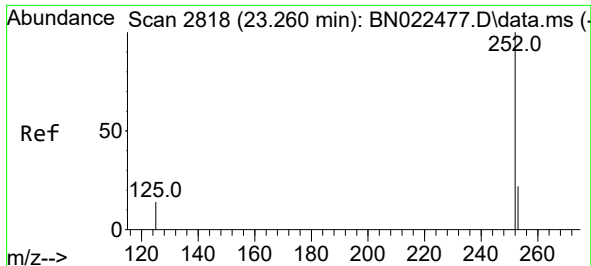
Ion Ratio Lower Upper

276 100

138 29.5 27.5 41.3

277 24.8 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 2.053 ng

RT: 23.254 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN022519.D

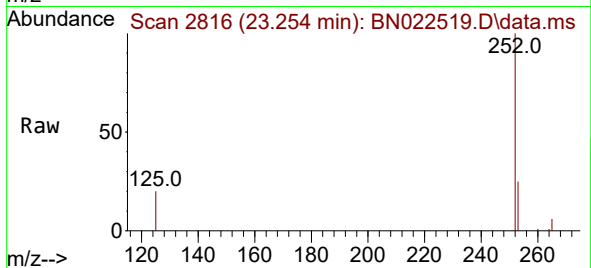
Acq: 04 Nov 2022 22:11

Instrument :

BNA_N

ClientSampleId :

S-13-103122DL2



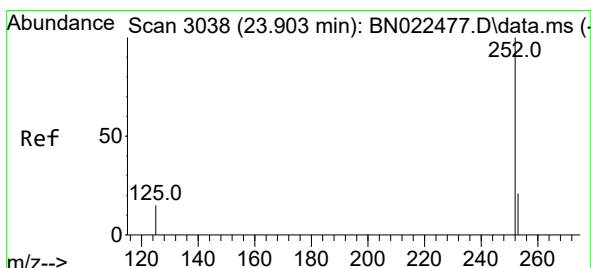
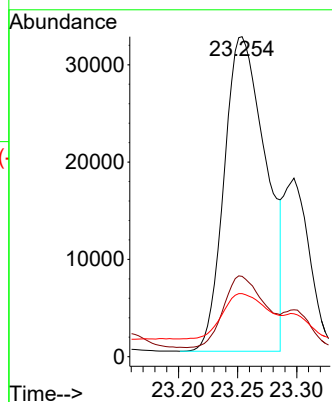
Tgt Ion:252 Resp: 79379

Ion Ratio Lower Upper

252 100

253 25.1 21.1 31.7

125 19.7 16.8 25.2



#39

Benzo(a)pyrene

Concen: 1.627 ng

RT: 23.891 min Scan# 3034

Delta R.T. -0.012 min

Lab File: BN022519.D

Acq: 04 Nov 2022 22:11

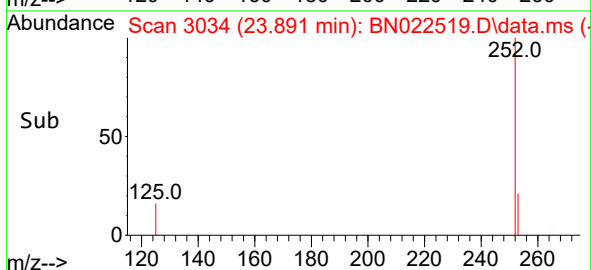
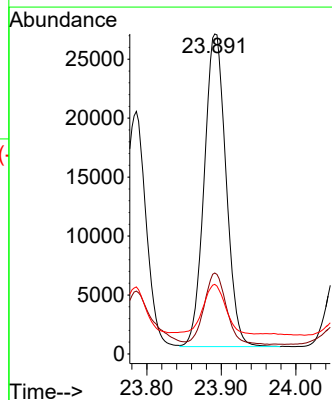
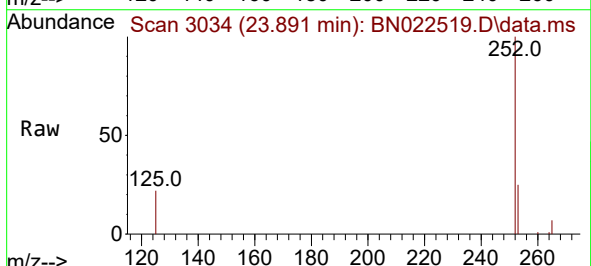
Tgt Ion:252 Resp: 53868

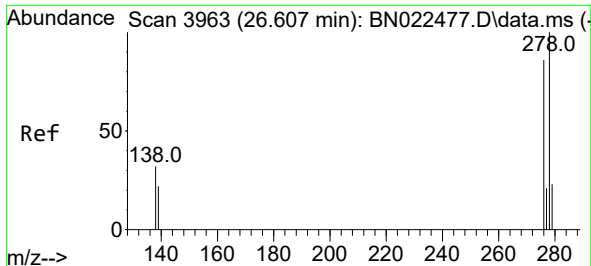
Ion Ratio Lower Upper

252 100

253 25.3 22.0 33.0

125 21.8 19.8 29.8

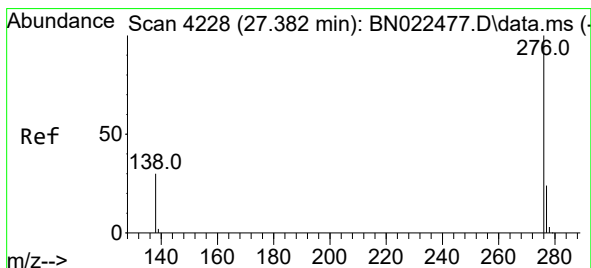
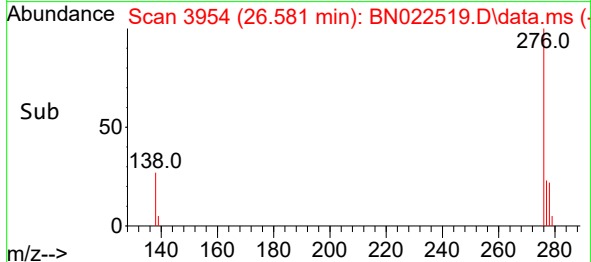
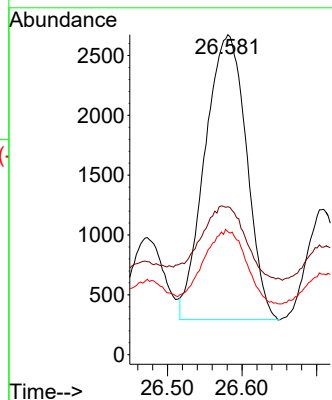
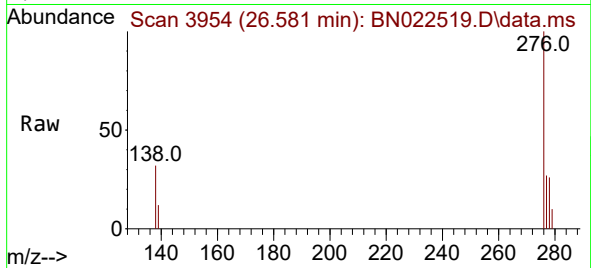




#40
Dibenzo(a,h)anthracene
Concen: 0.245 ng
RT: 26.581 min Scan# 3954
Delta R.T. -0.026 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2

Tgt Ion:278 Resp: 9209
Ion Ratio Lower Upper
278 100
139 46.3 21.8 32.6#
279 38.4 21.5 32.3#



#41
Benzo(g,h,i)perylene
Concen: 0.944 ng
RT: 27.364 min Scan# 4222
Delta R.T. -0.017 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Tgt Ion:276 Resp: 37754
Ion Ratio Lower Upper
276 100
277 25.5 21.0 31.4
138 32.4 26.0 39.0

