

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
 Data File : BN022517.D
 Acq On : 04 Nov 2022 20:55
 Operator : CG/JU
 Sample : N5395-12DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-9-103122DL

Quant Time: Nov 05 01:59:13 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

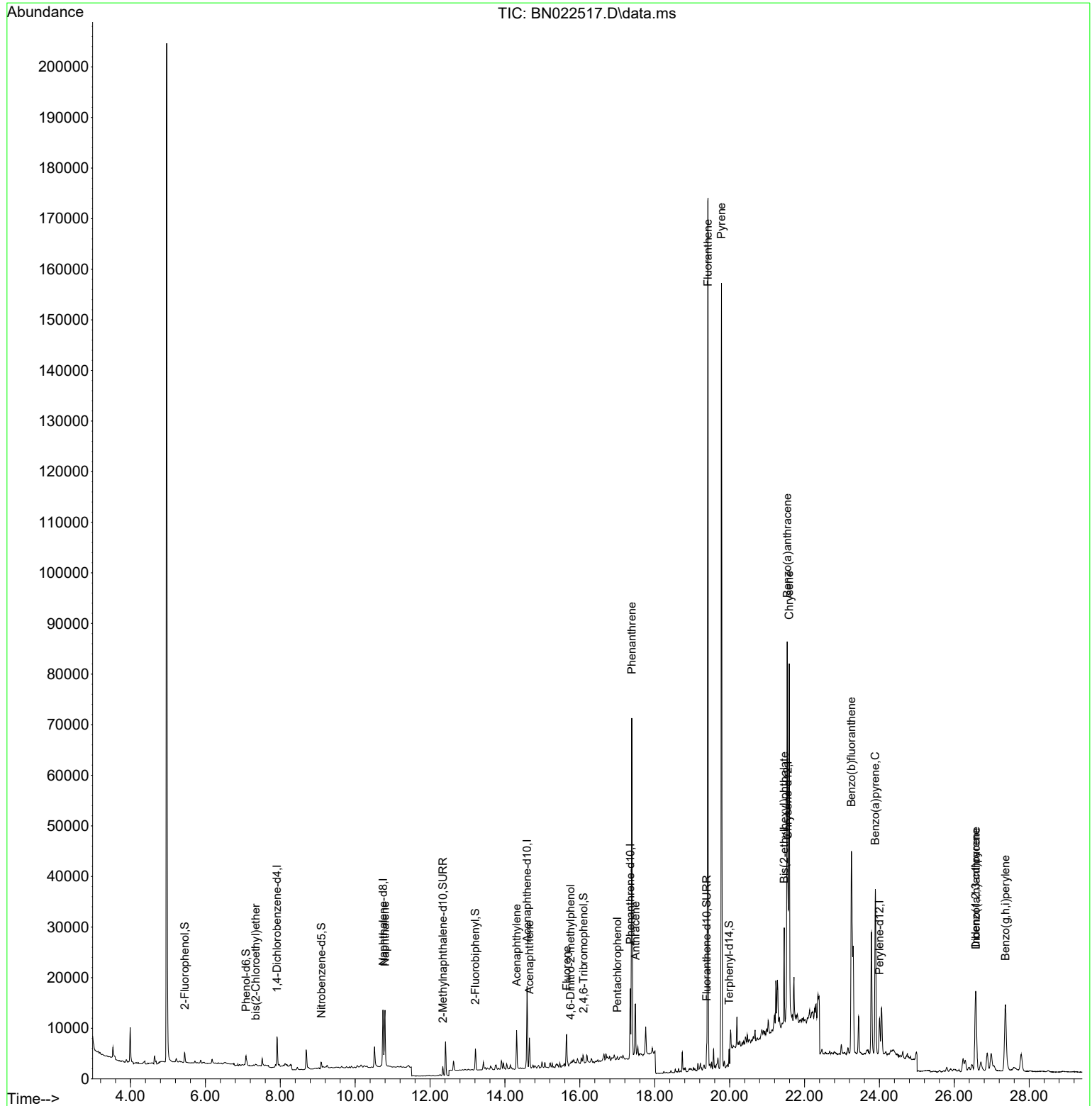
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	3060	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	14796	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	8910	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	18161	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	12751	0.400	ng	# 0.00
35) Perylene-d12	24.002	264	10160	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.451	112	1742	0.202	ng	0.00
5) Phenol-d6	7.083	99	2028	0.186	ng	0.00
8) Nitrobenzene-d5	9.097	82	1274	0.095	ng	-0.01
11) 2-Methylnaphthalene-d10	12.342	152	2504	0.101	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	535	0.114	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	3873	0.104	ng	-0.01
27) Fluoranthene-d10	19.386	212	4880	0.098	ng	0.00
31) Terphenyl-d14	19.985	244	4327	0.109	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.343	93	247	0.025	ng	# 85
9) Naphthalene	10.795	128	13680	0.305	ng	98
16) Acenaphthylene	14.311	152	8407	0.186	ng	99
17) Acenaphthene	14.653	154	2865	0.098	ng	99
18) Fluorene	15.648	166	4689	0.115	ng	# 97
20) 4,6-Dinitro-2-methylph...	15.749	198	15	0.234	ng	# 1
24) Pentachlorophenol	17.003	266	42	0.176	ng	# 81
25) Phenanthrene	17.387	178	64637	1.065	ng	100
26) Anthracene	17.487	178	12795	0.240	ng	97
28) Fluoranthene	19.420	202	151241	2.312	ng	99
30) Pyrene	19.782	202	134767	2.448	ng	# 96
32) Benzo(a)anthracene	21.537	228	60959	1.189	ng	99
33) Chrysene	21.591	228	58684	1.156	ng	97
34) Bis(2-ethylhexyl)phtha...	21.457	149	16184	0.375	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.569	276	26377	0.539	ng	94
37) Benzo(b)fluoranthene	23.251	252	70534	1.766	ng	97
39) Benzo(a)pyrene	23.891	252	47628	1.392	ng	94
40) Dibenzo(a,h)anthracene	26.578	278	6671	0.171	ng	# 73
41) Benzo(g,h,i)perylene	27.368	276	29189	0.706	ng	98

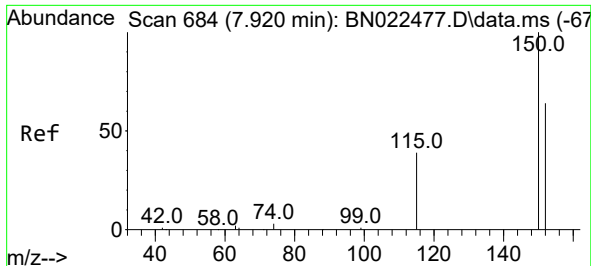
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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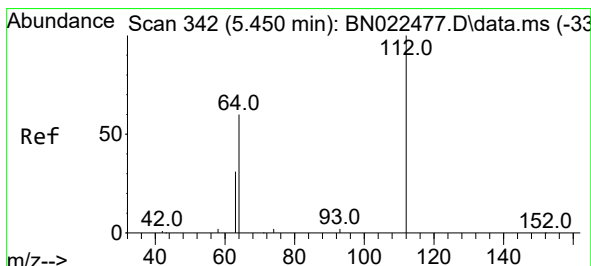
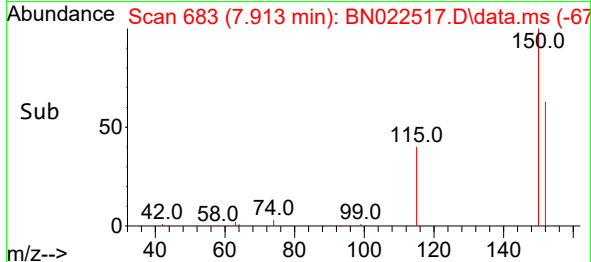
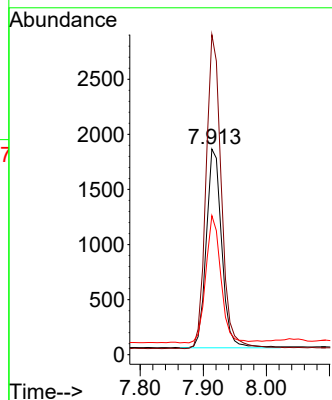
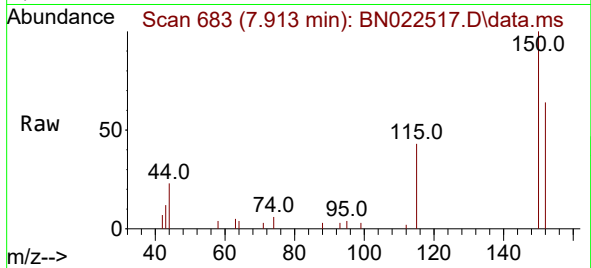




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.913 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN022517.D
 Acq: 04 Nov 2022 20:55

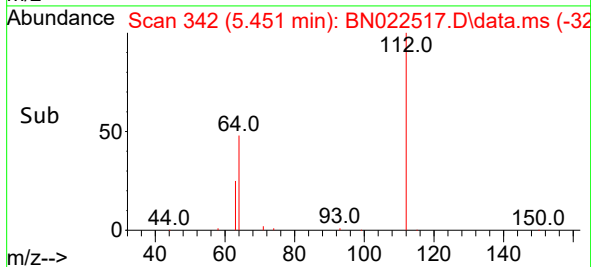
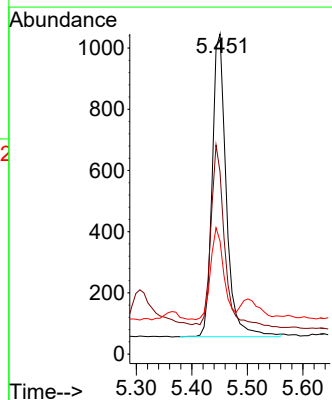
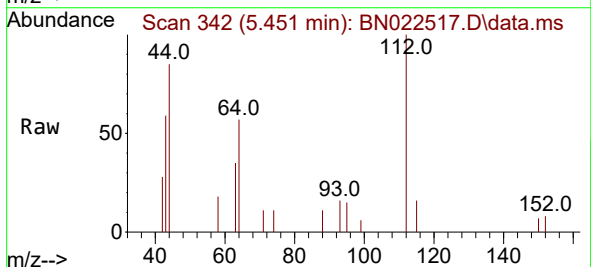
Instrument :
 BNA_N
 ClientSampleId :
 S-9-103122DL

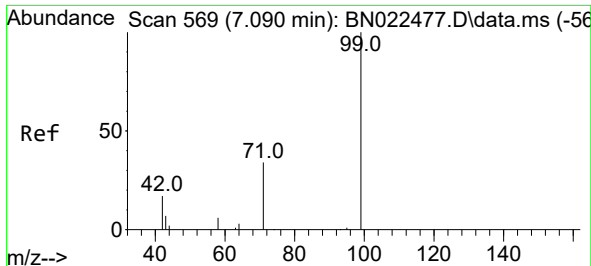
Tgt Ion:152 Resp: 3060
 Ion Ratio Lower Upper
 152 100
 150 155.7 123.4 185.2
 115 67.6 54.9 82.3



#4
 2-Fluorophenol
 Concen: 0.202 ng
 RT: 5.451 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: BN022517.D
 Acq: 04 Nov 2022 20:55

Tgt Ion:112 Resp: 1742
 Ion Ratio Lower Upper
 112 100
 64 59.1 47.1 70.7
 63 28.6 24.6 36.8

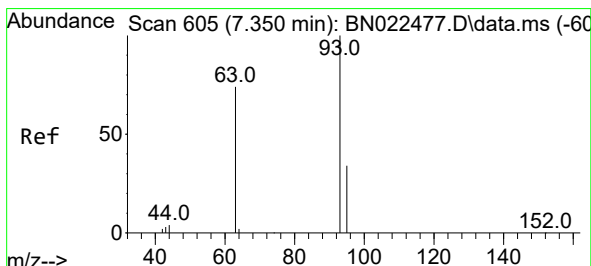
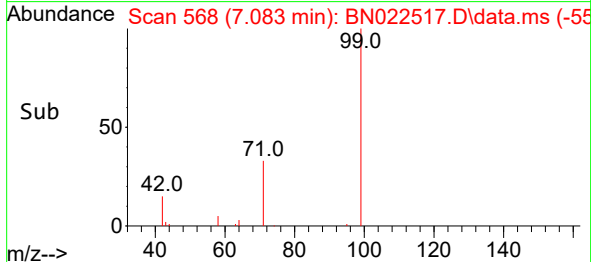
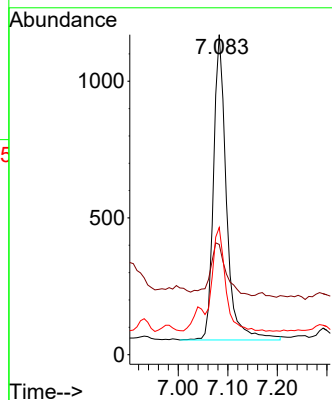
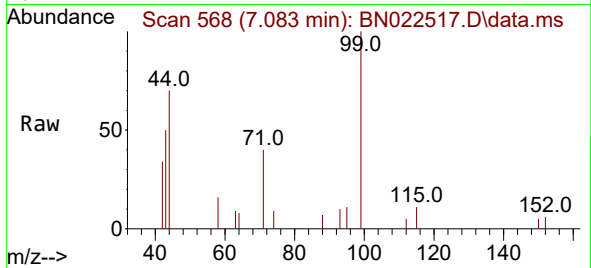




#5
Phenol-d6
Concen: 0.186 ng
RT: 7.083 min Scan# 501
Delta R.T. -0.007 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

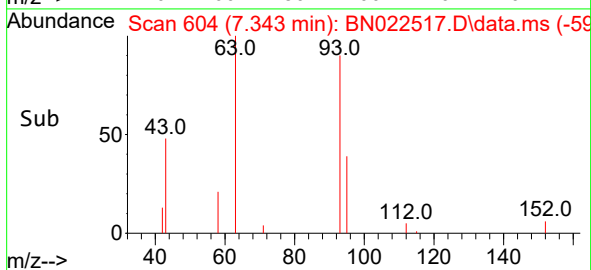
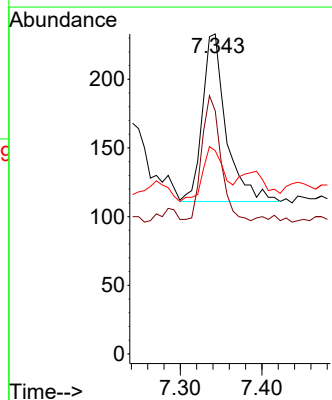
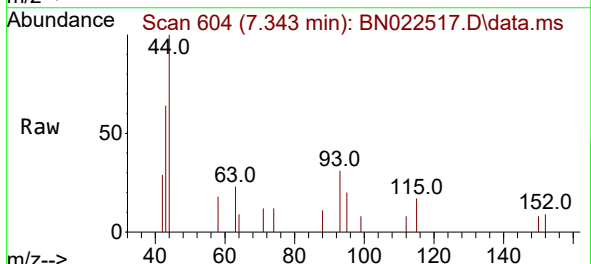
Instrument :
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ClientSampleId :
S-9-103122DL

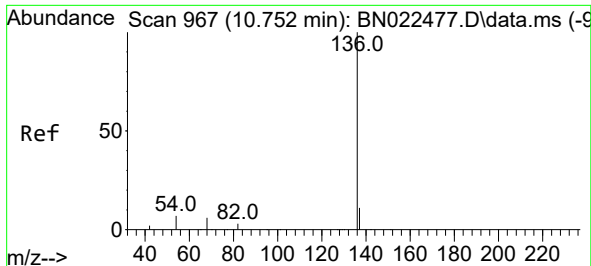
Tgt Ion:	99	Resp:	2028
Ion	Ratio	Lower	Upper
99	100		
42	21.2	14.7	22.1
71	34.2	27.0	40.6



#6
bis(2-Chloroethyl)ether
Concen: 0.025 ng
RT: 7.343 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

Tgt Ion:	93	Resp:	247
Ion	Ratio	Lower	Upper
93	100		
63	59.9	61.2	91.8#
95	29.1	25.7	38.5

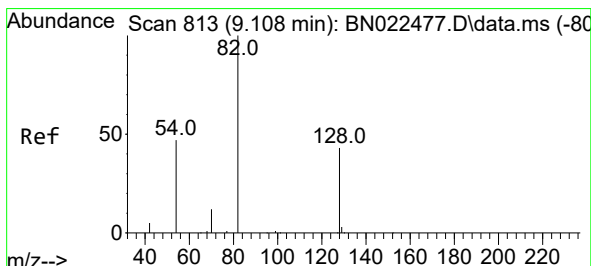
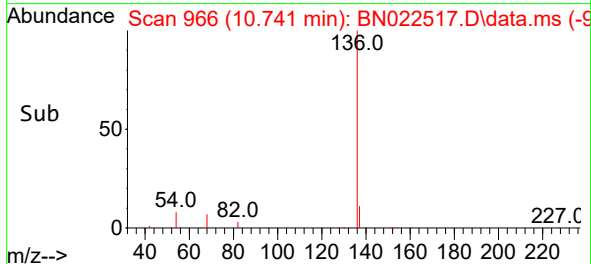
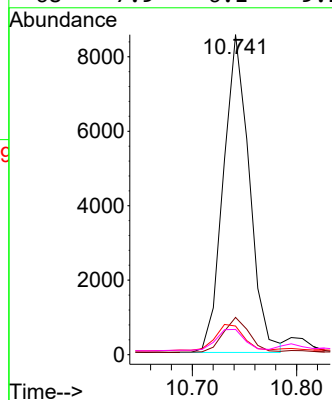
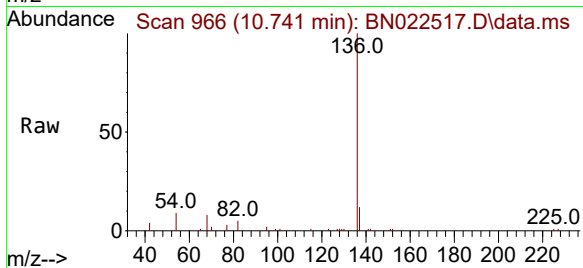




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 90
Delta R.T. -0.010 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

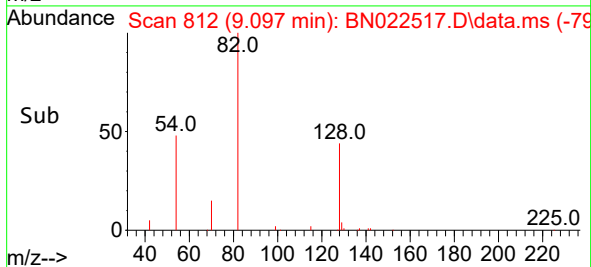
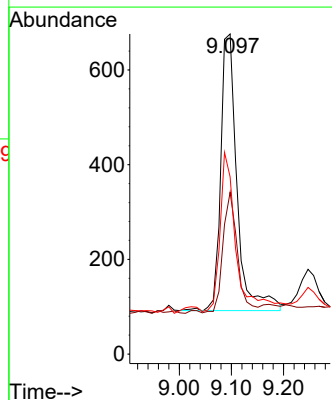
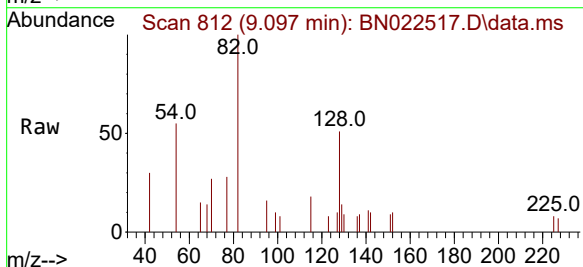
Instrument :
BNA_N
ClientSampleId :
S-9-103122DL

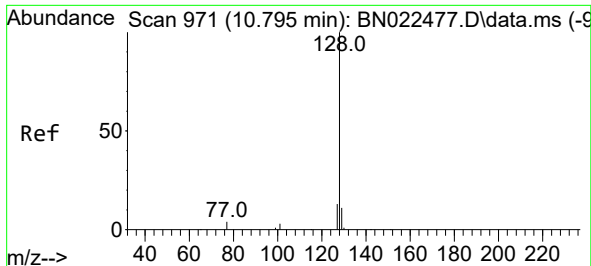
Tgt Ion:	136	Resp:	14796
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.5	14.3
54	8.9	7.1	10.7
68	7.9	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.095 ng
RT: 9.097 min Scan# 812
Delta R.T. -0.010 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

Tgt Ion:	82	Resp:	1274
Ion	Ratio	Lower	Upper
82	100		
128	50.6	37.3	55.9
54	55.3	40.0	60.0

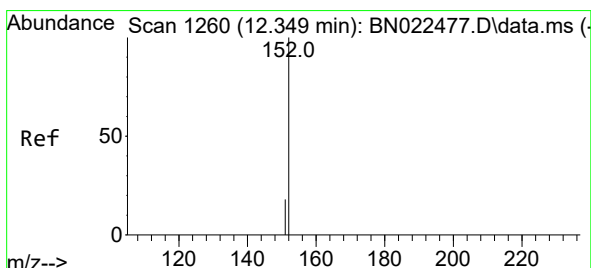
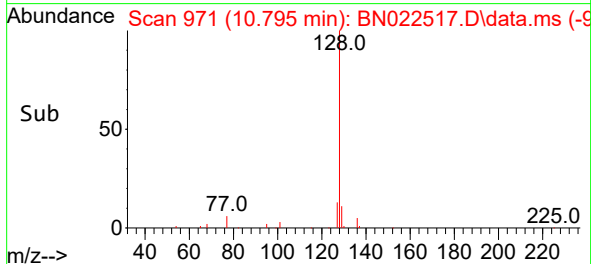
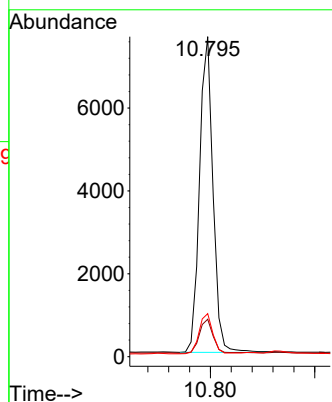
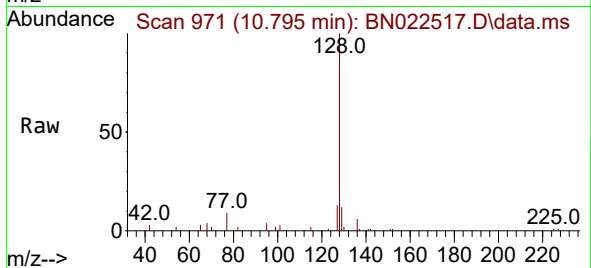




#9
Naphthalene
Concen: 0.305 ng
RT: 10.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

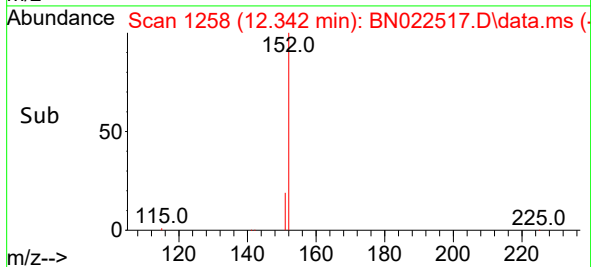
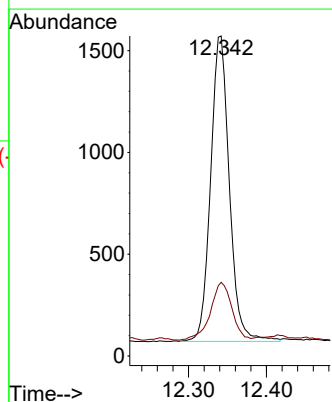
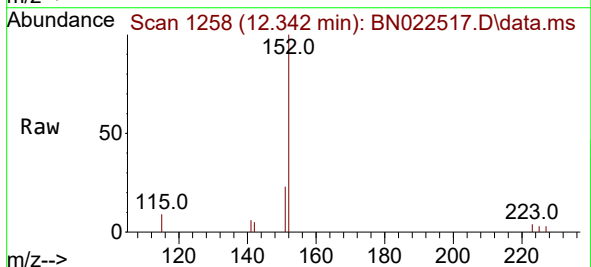
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ClientSampleId :
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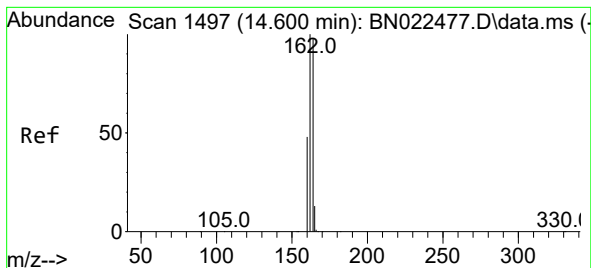
Tgt Ion:128 Resp: 13680
Ion Ratio Lower Upper
128 100
129 11.7 9.8 14.6
127 13.4 11.4 17.2



#11
2-Methylnaphthalene-d10
Concen: 0.101 ng
RT: 12.342 min Scan# 1258
Delta R.T. -0.007 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

Tgt Ion:152 Resp: 2504
Ion Ratio Lower Upper
152 100
151 21.7 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: BN022517.D

Acq: 04 Nov 2022 20:55

Instrument :

BNA_N

ClientSampleId :

S-9-103122DL

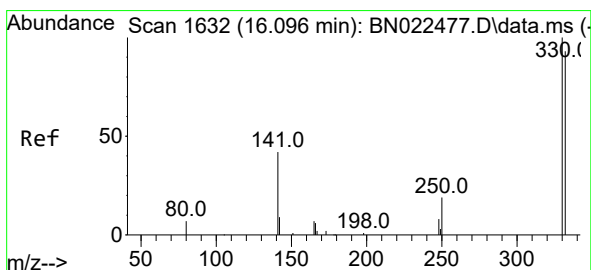
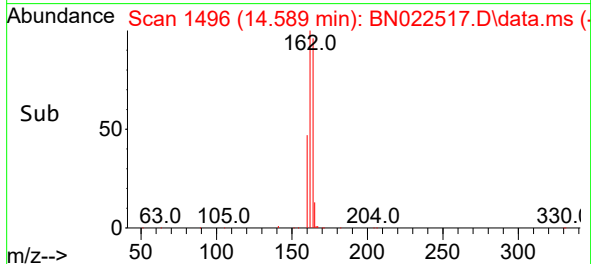
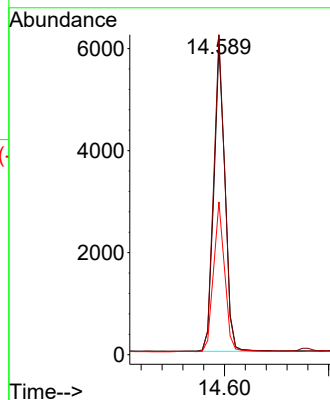
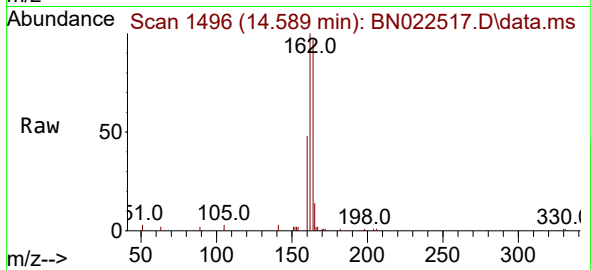
Tgt Ion:164 Resp: 8910

Ion Ratio Lower Upper

164 100

162 103.5 82.0 123.0

160 49.4 39.4 59.2



#14

2,4,6-Tribromophenol

Concen: 0.114 ng

RT: 16.096 min Scan# 1632

Delta R.T. 0.000 min

Lab File: BN022517.D

Acq: 04 Nov 2022 20:55

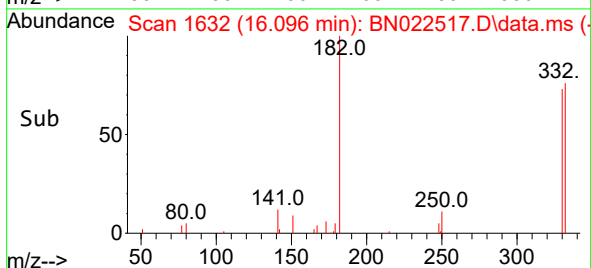
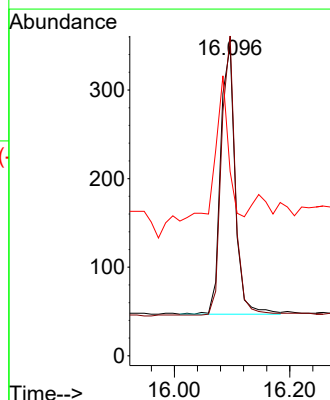
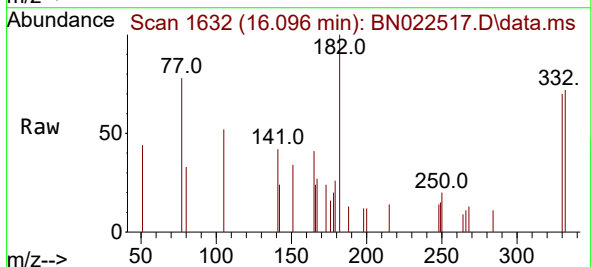
Tgt Ion:330 Resp: 535

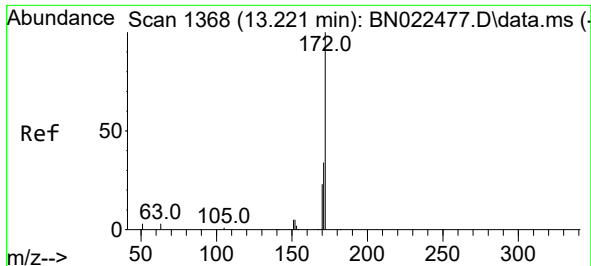
Ion Ratio Lower Upper

330 100

332 97.4 77.8 116.8

141 47.9 35.0 52.6

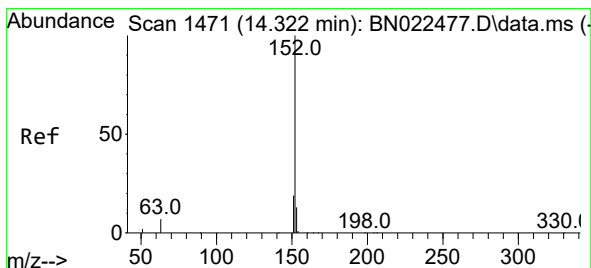
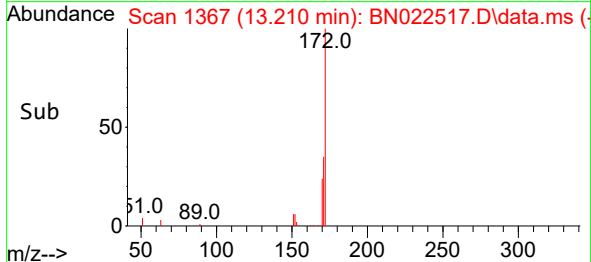
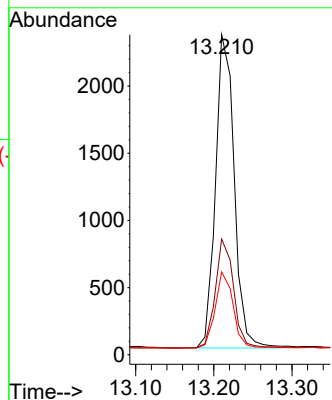
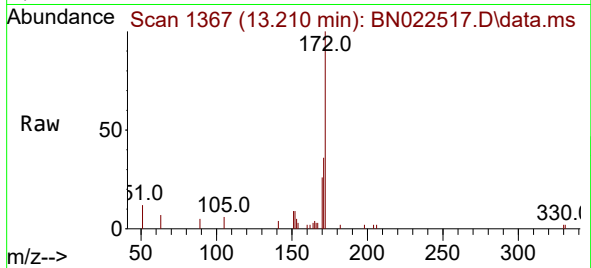




#15
2-Fluorobiphenyl
Concen: 0.104 ng
RT: 13.210 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

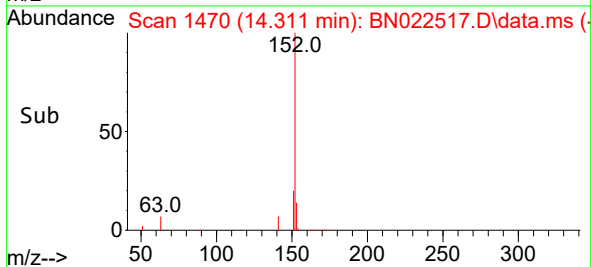
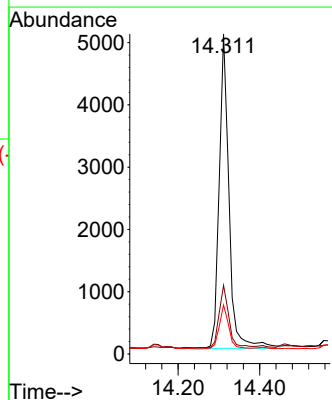
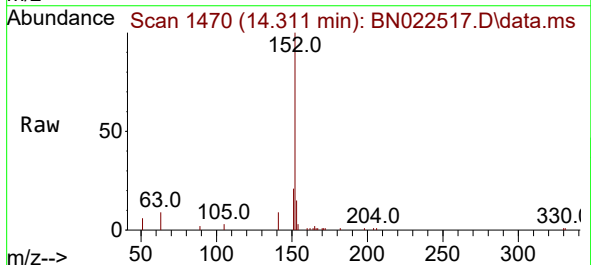
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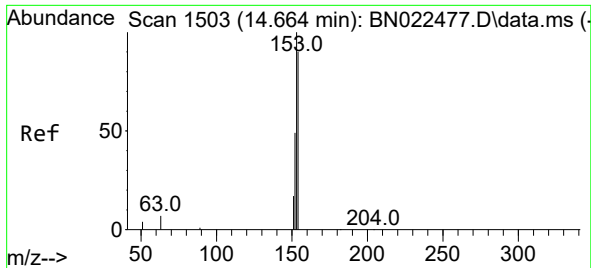
Tgt Ion:172 Resp: 3873
Ion Ratio Lower Upper
172 100
171 36.2 27.9 41.9
170 25.9 19.2 28.8



#16
Acenaphthylene
Concen: 0.186 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.010 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

Tgt Ion:152 Resp: 8407
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.6
153 13.6 10.3 15.5

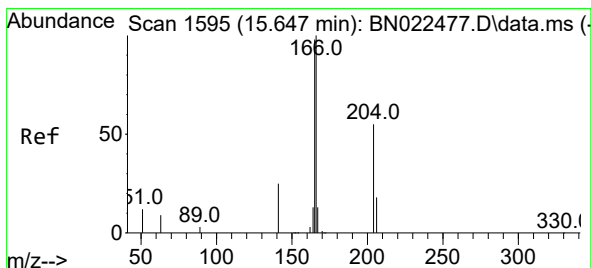
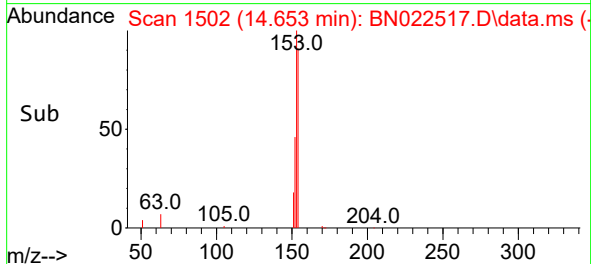
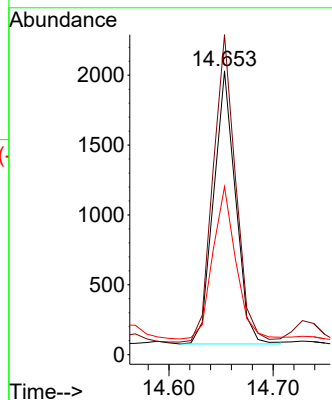
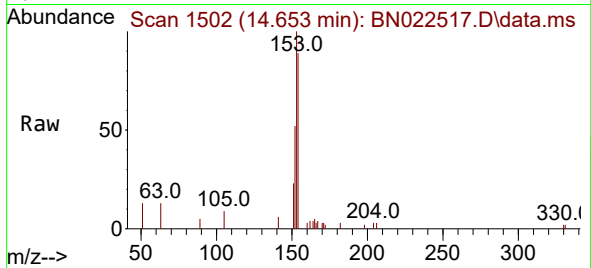




#17
Acenaphthene
Concen: 0.098 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

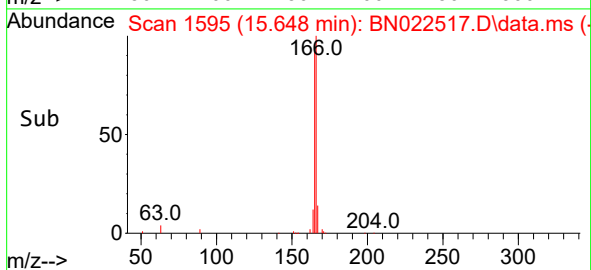
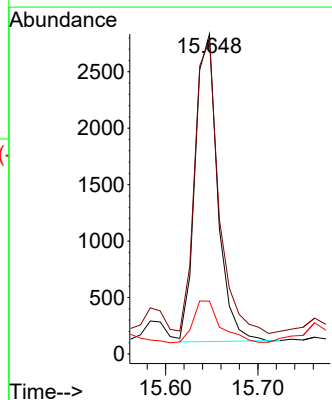
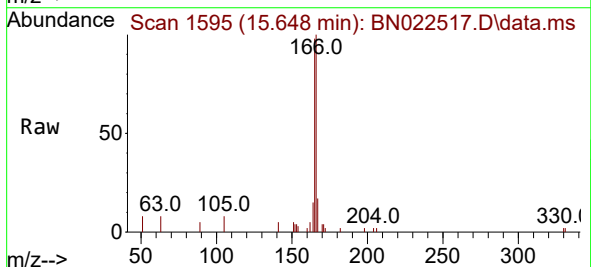
Instrument :
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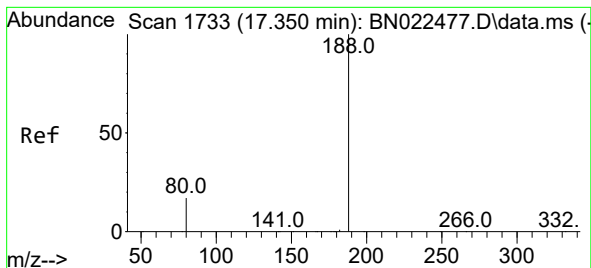
Tgt Ion:154 Resp: 2865
Ion Ratio Lower Upper
154 100
153 115.3 91.8 137.8
152 58.8 45.7 68.5



#18
Fluorene
Concen: 0.115 ng
RT: 15.648 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

Tgt Ion:166 Resp: 4689
Ion Ratio Lower Upper
166 100
165 100.4 78.7 118.1
167 16.4 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: BN022517.D

Acq: 04 Nov 2022 20:55

Instrument :

BNA_N

ClientSampleId :

S-9-103122DL

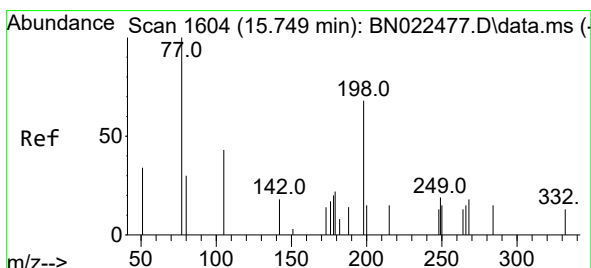
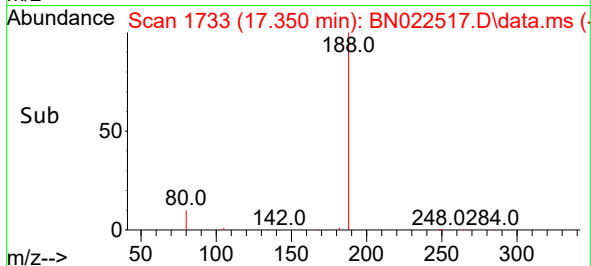
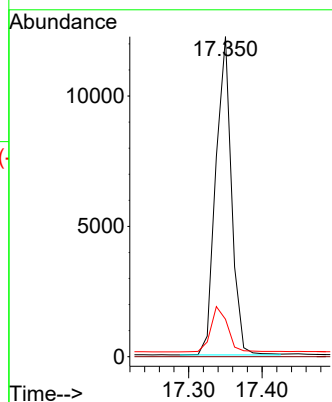
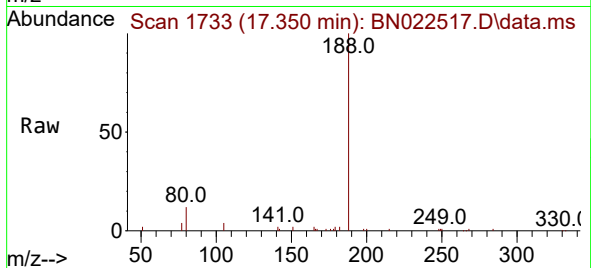
Tgt Ion:188 Resp: 18161

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.7 14.6 21.8#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.234 ng

RT: 15.749 min Scan# 1604

Delta R.T. -0.000 min

Lab File: BN022517.D

Acq: 04 Nov 2022 20:55

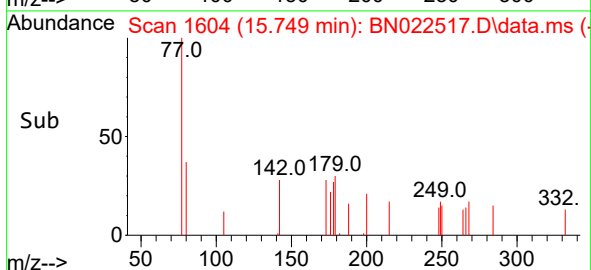
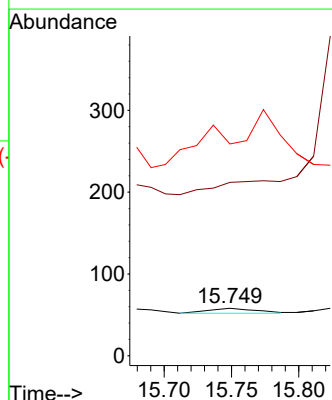
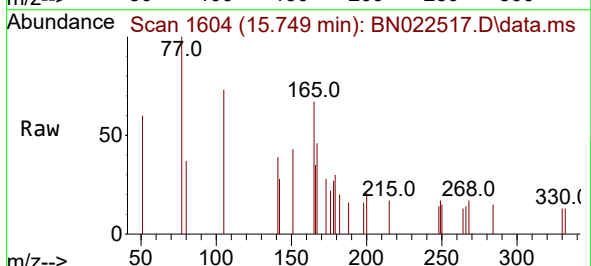
Tgt Ion:198 Resp: 15

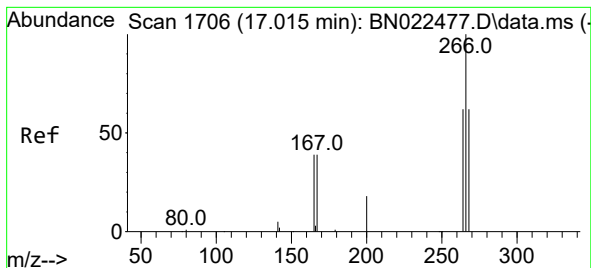
Ion Ratio Lower Upper

198 100

51 365.5 83.8 125.8#

105 446.6 71.4 107.2#





#24

Pentachlorophenol

Concen: 0.176 ng

RT: 17.003 min Scan# 1705

Delta R.T. -0.012 min

Lab File: BN022517.D

Acq: 04 Nov 2022 20:55

Instrument :

BNA_N

ClientSampleId :

S-9-103122DL

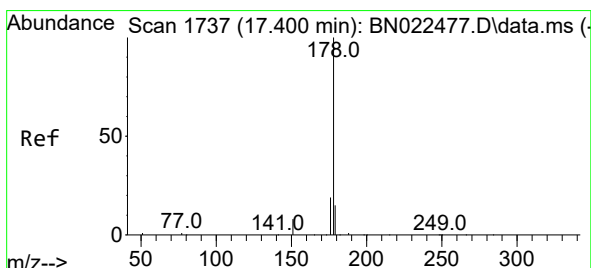
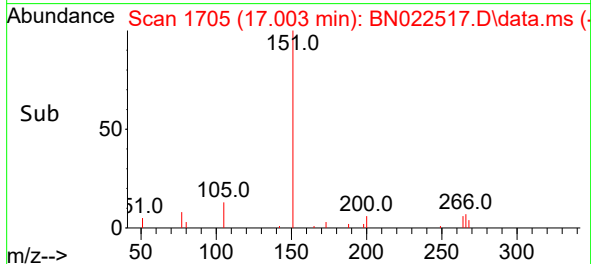
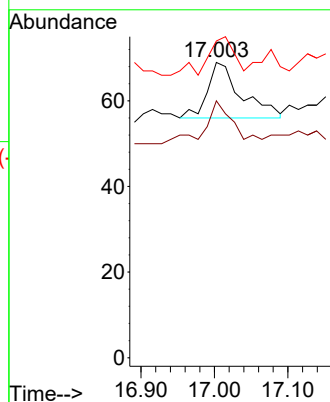
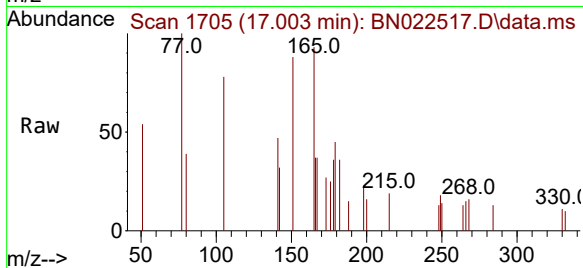
Tgt Ion:266 Resp: 42

Ion Ratio Lower Upper

266 100

264 45.2 50.6 75.8#

268 54.8 54.1 81.1



#25

Phenanthrene

Concen: 1.065 ng

RT: 17.387 min Scan# 1736

Delta R.T. -0.013 min

Lab File: BN022517.D

Acq: 04 Nov 2022 20:55

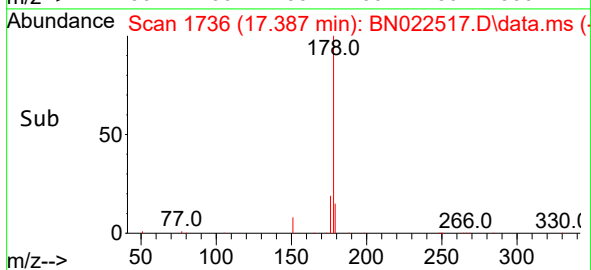
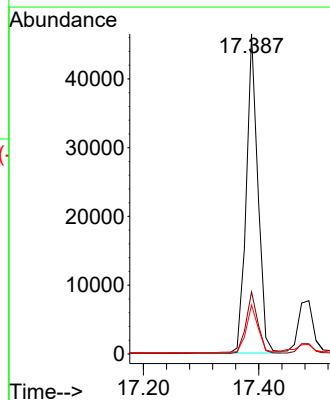
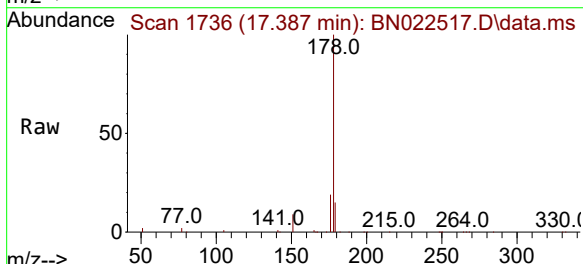
Tgt Ion:178 Resp: 64637

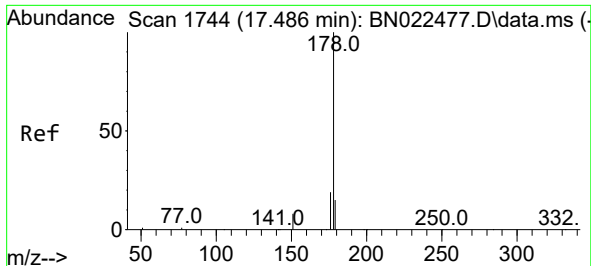
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.4 12.2 18.4

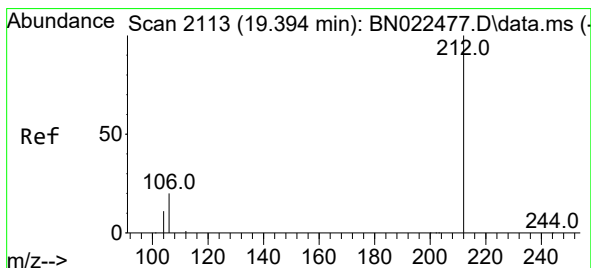
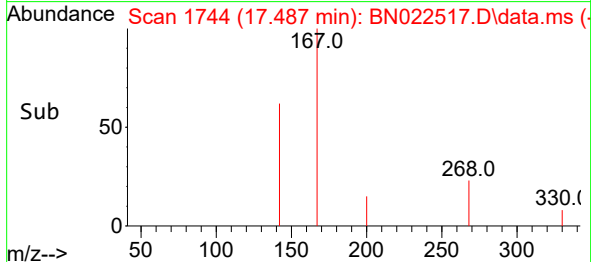
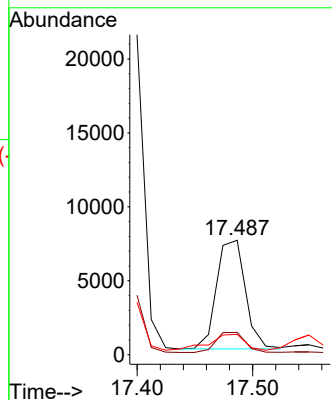
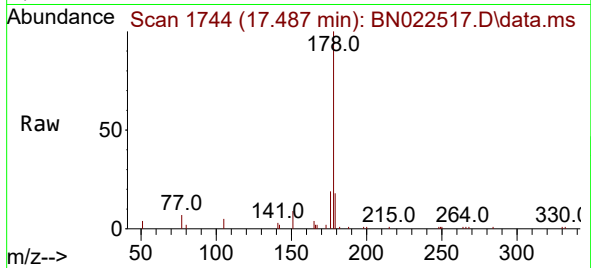




#26
 Anthracene
 Concen: 0.240 ng
 RT: 17.487 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN022517.D
 Acq: 04 Nov 2022 20:55

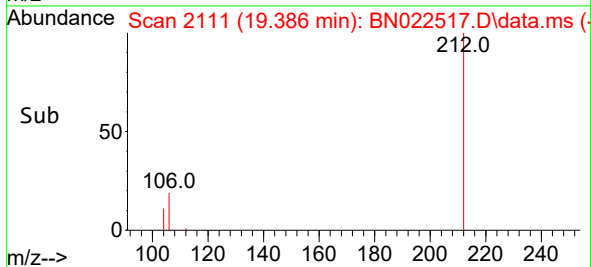
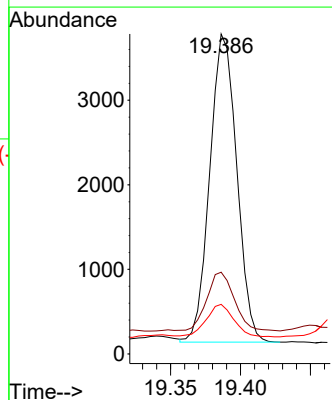
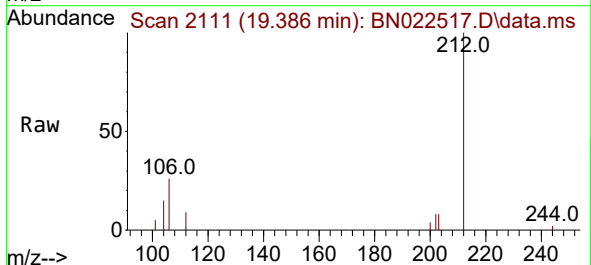
Instrument :
 BNA_N
 ClientSampleId :
 S-9-103122DL

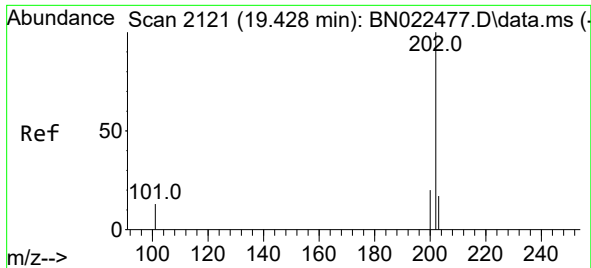
Tgt Ion:178 Resp: 12795
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 17.9 12.2 18.2



#27
 Fluoranthene-d10
 Concen: 0.098 ng
 RT: 19.386 min Scan# 2111
 Delta R.T. -0.008 min
 Lab File: BN022517.D
 Acq: 04 Nov 2022 20:55

Tgt Ion:212 Resp: 4880
 Ion Ratio Lower Upper
 212 100
 106 19.4 15.2 22.8
 104 11.0 8.6 12.8

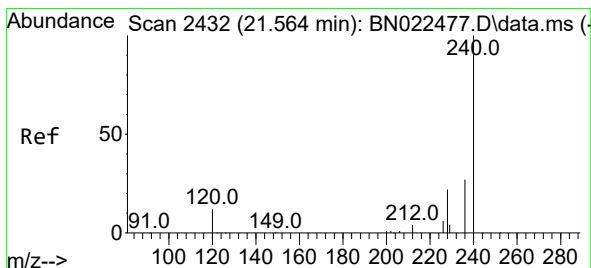
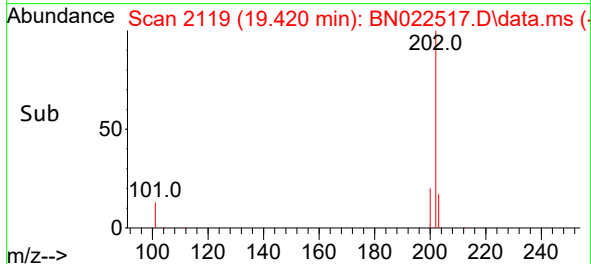
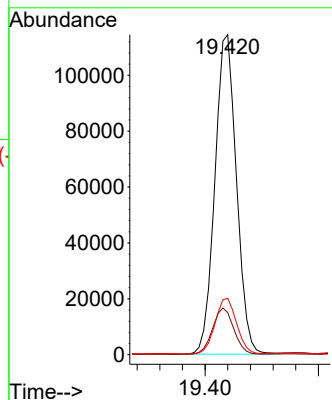
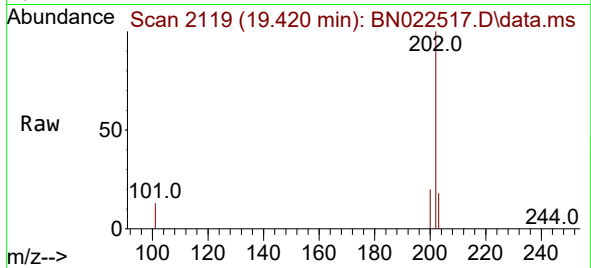




#28
Fluoranthene
Concen: 2.312 ng
RT: 19.420 min Scan# 2119
Delta R.T. -0.008 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

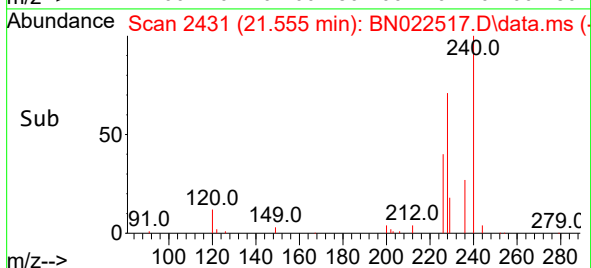
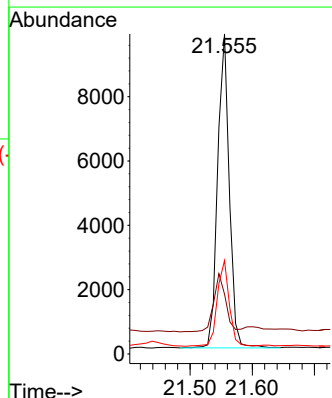
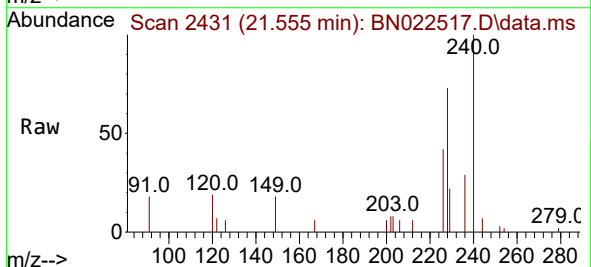
Instrument :
BNA_N
ClientSampleId :
S-9-103122DL

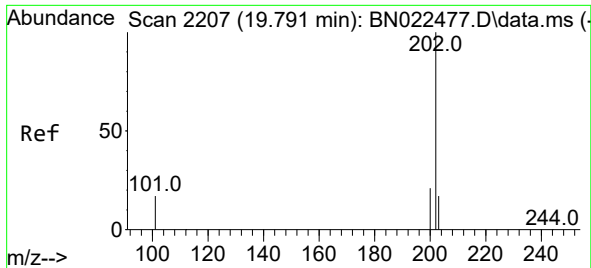
Tgt Ion:202 Resp: 151241
Ion Ratio Lower Upper
202 100
101 14.2 11.2 16.8
203 17.4 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. -0.009 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

Tgt Ion:240 Resp: 12751
Ion Ratio Lower Upper
240 100
120 18.7 12.4 18.6#
236 29.2 22.7 34.1

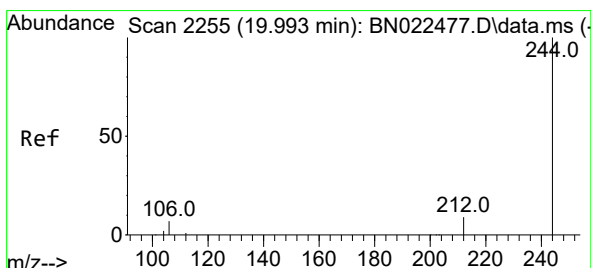
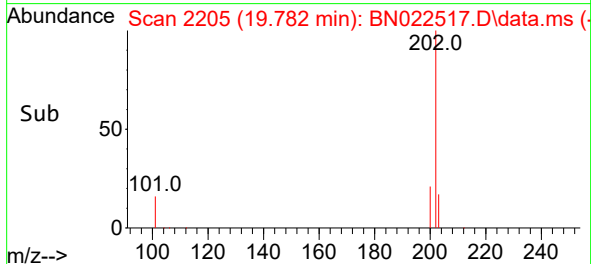
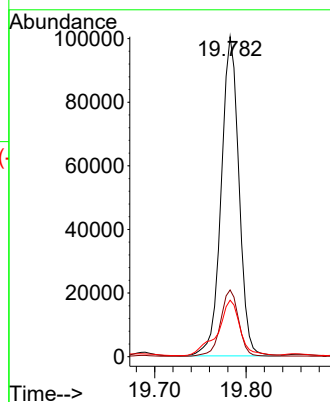
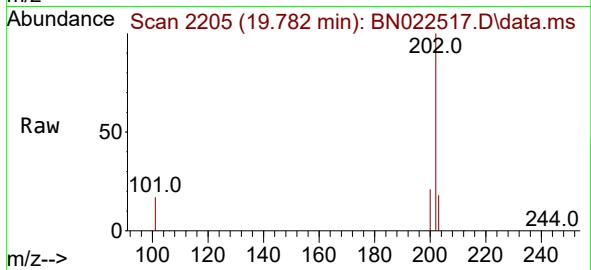




#30
 Pyrene
 Concen: 2.448 ng
 RT: 19.782 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BN022517.D
 Acq: 04 Nov 2022 20:55

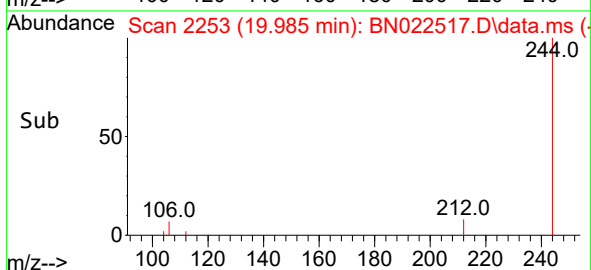
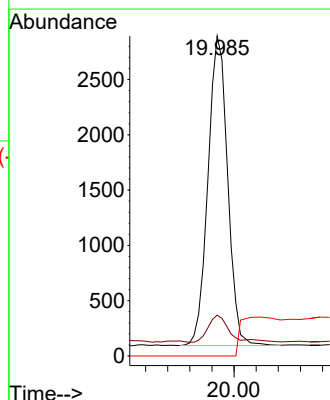
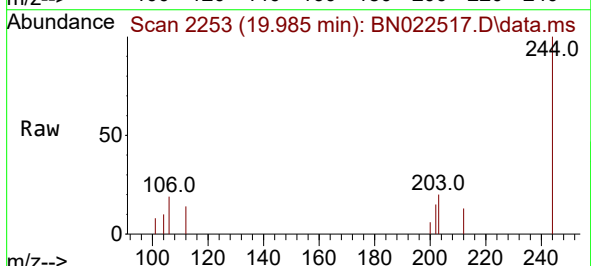
Instrument :
 BNA_N
 ClientSampleId :
 S-9-103122DL

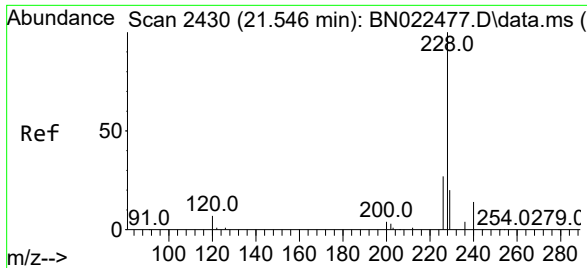
Tgt Ion:202 Resp: 134767
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.0 25.4
 203 21.8 14.3 21.5#



#31
 Terphenyl-d14
 Concen: 0.109 ng
 RT: 19.985 min Scan# 2253
 Delta R.T. -0.008 min
 Lab File: BN022517.D
 Acq: 04 Nov 2022 20:55

Tgt Ion:244 Resp: 4327
 Ion Ratio Lower Upper
 244 100
 212 12.8 7.8 11.8#
 122 0.0 0.0 0.0

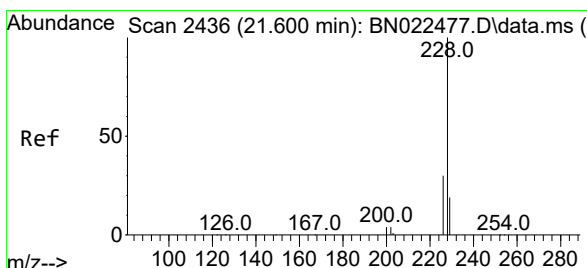
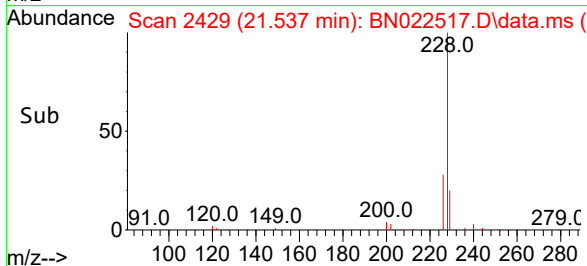
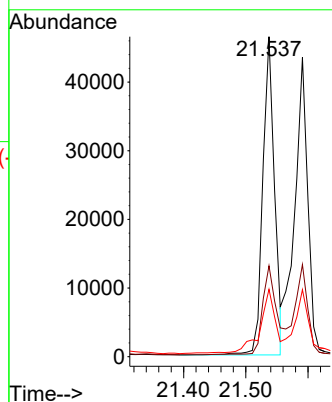
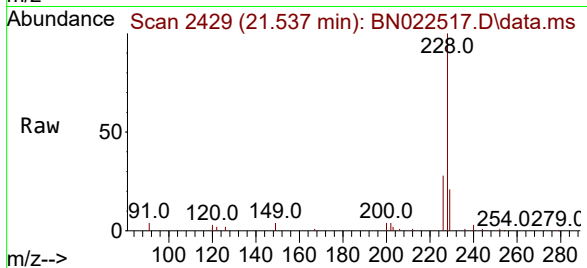




#32
Benzo(a)anthracene
Concen: 1.189 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

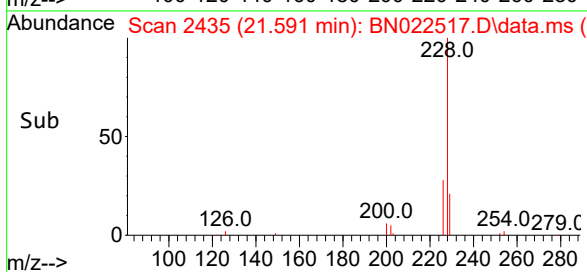
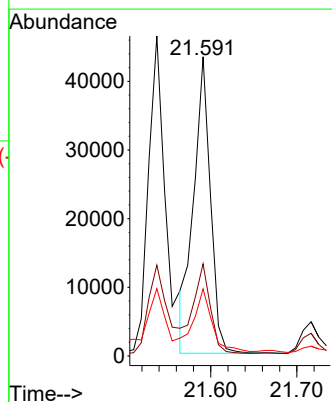
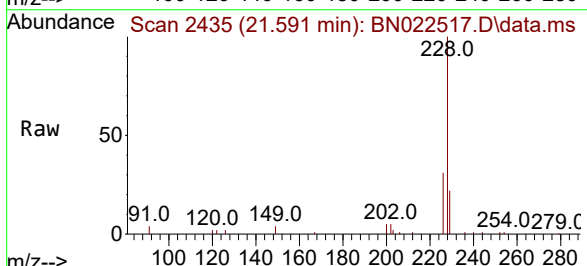
Instrument :
BNA_N
ClientSampleId :
S-9-103122DL

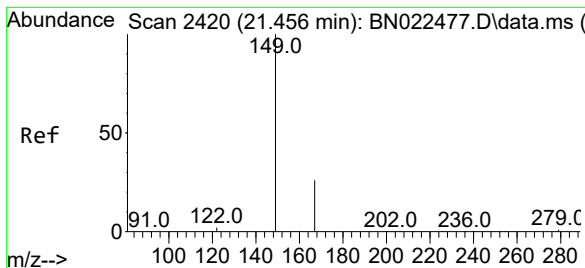
Tgt Ion:228 Resp: 60959
Ion Ratio Lower Upper
228 100
226 28.4 22.1 33.1
229 21.1 16.4 24.6



#33
Chrysene
Concen: 1.156 ng
RT: 21.591 min Scan# 2435
Delta R.T. -0.009 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

Tgt Ion:228 Resp: 58684
Ion Ratio Lower Upper
228 100
226 30.8 24.1 36.1
229 22.4 15.9 23.9

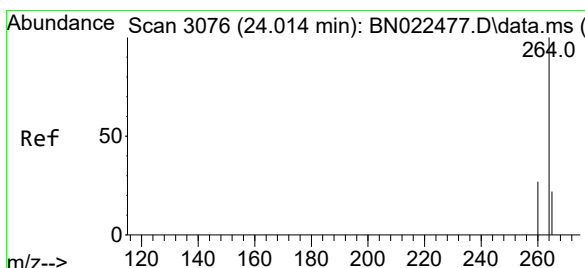
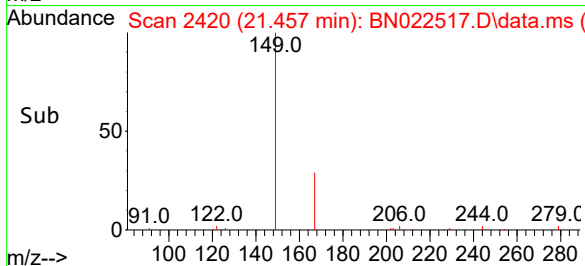
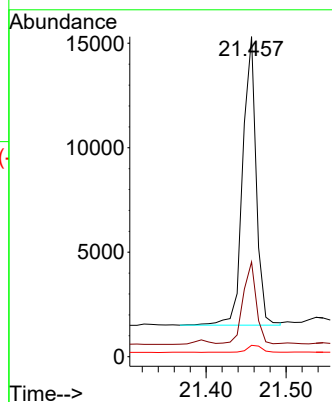
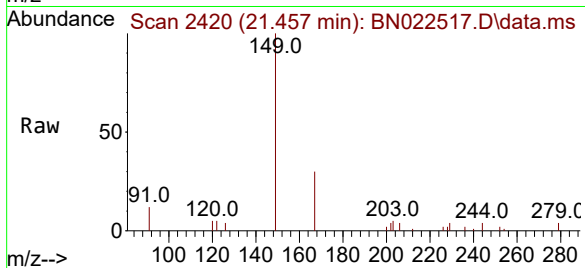




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.375 ng
 RT: 21.457 min Scan# 2420
 Delta R.T. 0.000 min
 Lab File: BN022517.D
 Acq: 04 Nov 2022 20:55

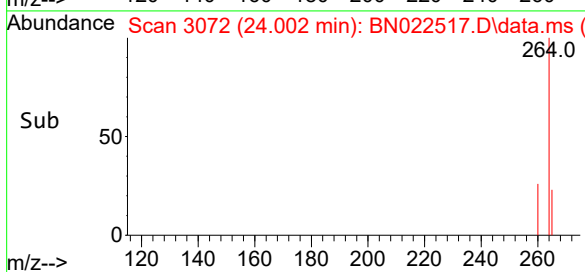
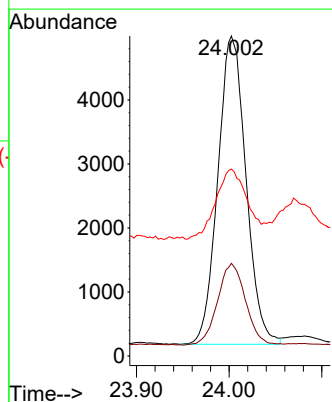
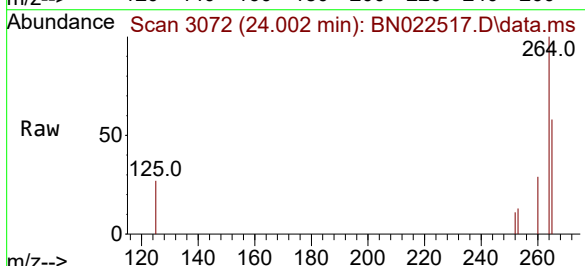
Instrument :
 BNA_N
 ClientSampleId :
 S-9-103122DL

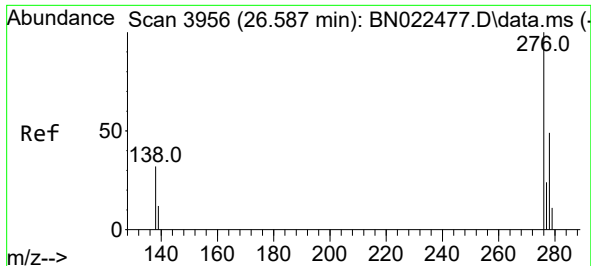
Tgt Ion:149 Resp: 16184
 Ion Ratio Lower Upper
 149 100
 167 27.3 21.3 31.9
 279 2.6 2.7 4.1#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.002 min Scan# 3072
 Delta R.T. -0.011 min
 Lab File: BN022517.D
 Acq: 04 Nov 2022 20:55

Tgt Ion:264 Resp: 10160
 Ion Ratio Lower Upper
 264 100
 260 28.9 22.4 33.6
 265 58.4 44.4 66.6

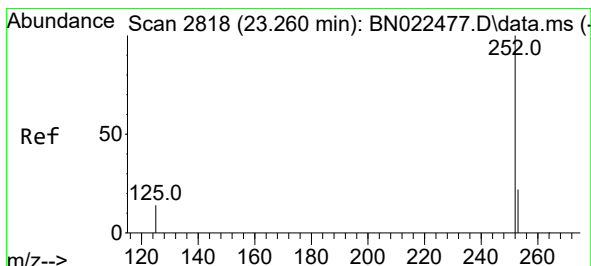
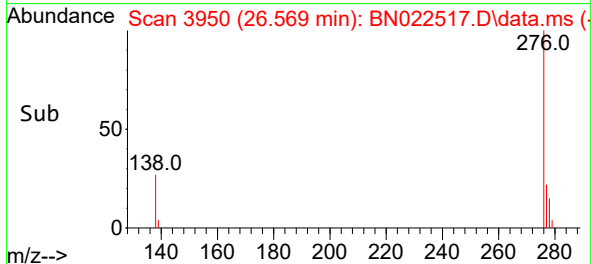
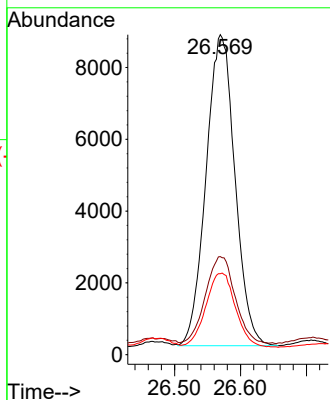
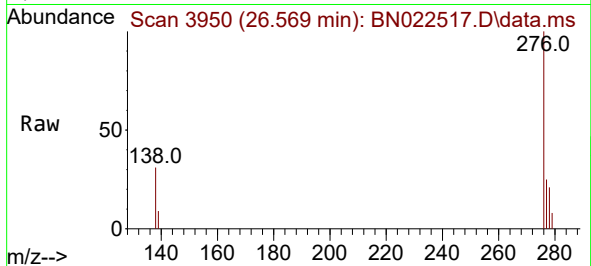




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.539 ng
RT: 26.569 min Scan# 3950
Delta R.T. -0.017 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

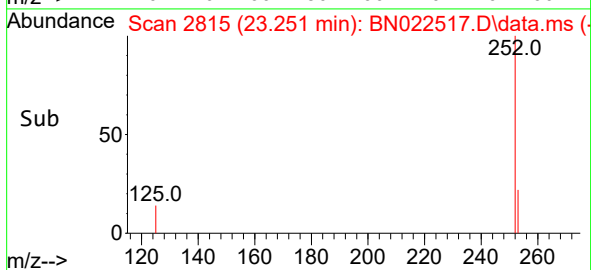
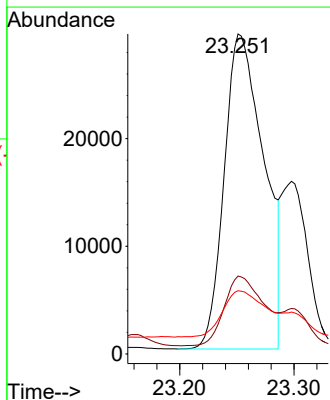
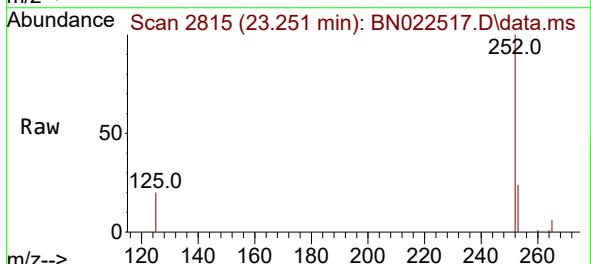
Instrument :
BNA_N
ClientSampleId :
S-9-103122DL

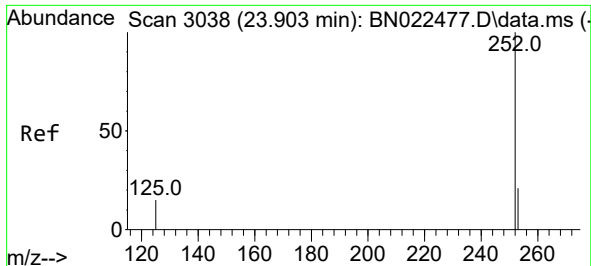
Tgt Ion:276 Resp: 26377
Ion Ratio Lower Upper
276 100
138 28.3 27.5 41.3
277 24.6 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 1.766 ng
RT: 23.251 min Scan# 2815
Delta R.T. -0.009 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

Tgt Ion:252 Resp: 70534
Ion Ratio Lower Upper
252 100
253 24.3 21.1 31.7
125 19.8 16.8 25.2





#39

Benzo(a)pyrene

Concen: 1.392 ng

RT: 23.891 min Scan# 3038

Delta R.T. -0.012 min

Lab File: BN022517.D

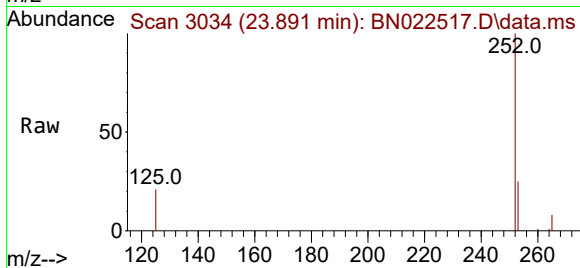
Acq: 04 Nov 2022 20:55

Instrument :

BNA_N

ClientSampleId :

S-9-103122DL



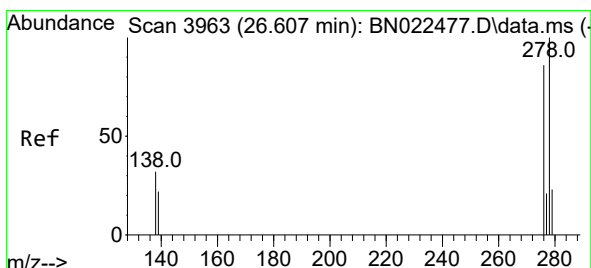
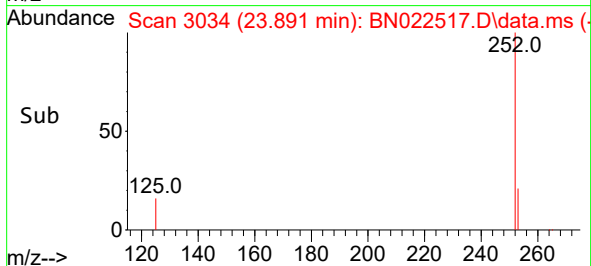
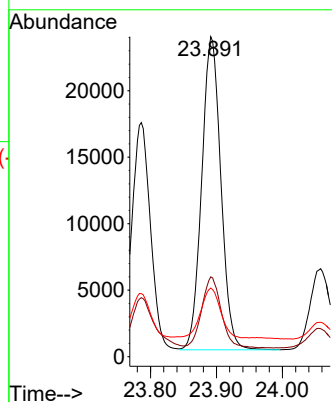
Tgt Ion:252 Resp: 47628

Ion Ratio Lower Upper

252 100

253 25.0 22.0 33.0

125 21.5 19.8 29.8



#40

Dibenzo(a,h)anthracene

Concen: 0.171 ng

RT: 26.578 min Scan# 3953

Delta R.T. -0.029 min

Lab File: BN022517.D

Acq: 04 Nov 2022 20:55

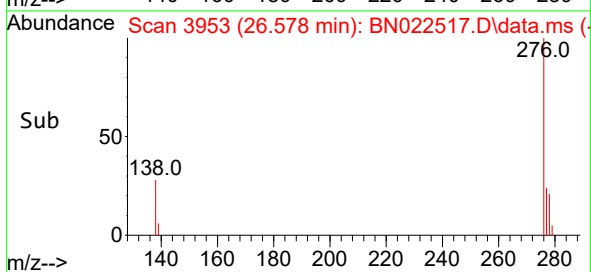
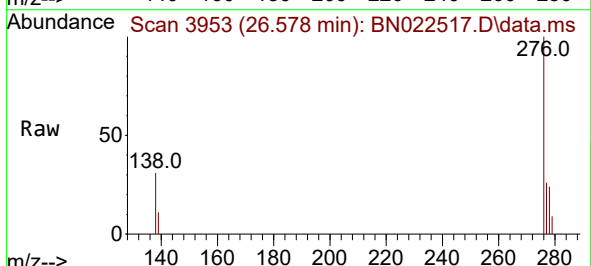
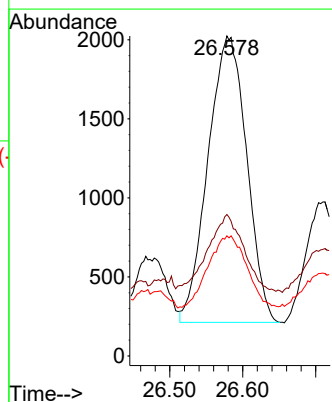
Tgt Ion:278 Resp: 6671

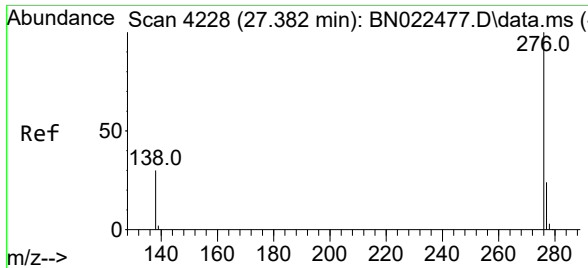
Ion Ratio Lower Upper

278 100

139 44.2 21.8 32.6#

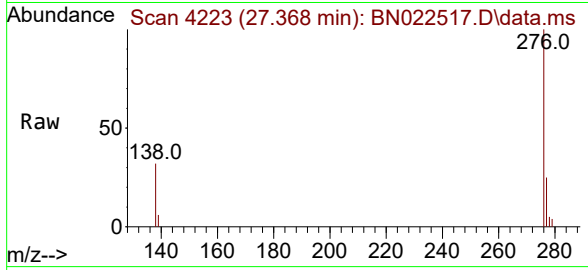
279 37.5 21.5 32.3#





#41
Benzo(g,h,i)perylene
Concen: 0.706 ng
RT: 27.368 min Scan# 41
Delta R.T. -0.014 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

Instrument :
BNA_N
ClientSampleId :
S-9-103122DL



Tgt Ion:276 Resp: 29189
Ion Ratio Lower Upper
276 100
277 25.0 21.0 31.4
138 31.6 26.0 39.0

