

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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/05/2022
 Supervised By : Jagrut Upadhyay 11/07/2022

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	1332m	0.100	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						Qvalue
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
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	63920m	1.259	ng	
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
38) Benzo(k)fluoranthene	23.298	252	25563m	0.627	ng	
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

Manual Integrations APPROVED

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





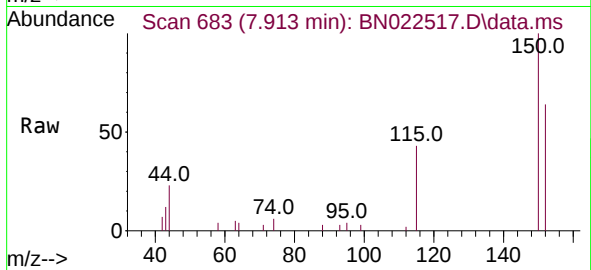
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.913 min Scan# 684
Delta R.T. -0.007 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

Instrument :

BNA_N

ClientSampleId :

S-9-103122DL

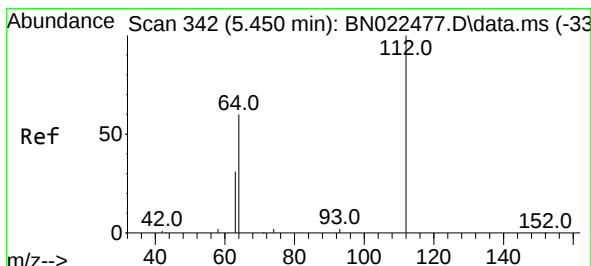
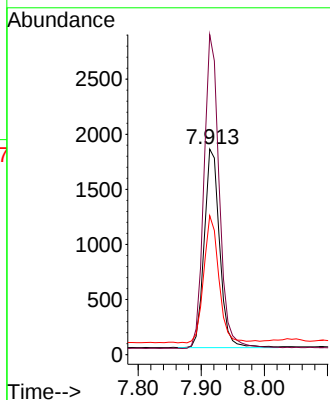
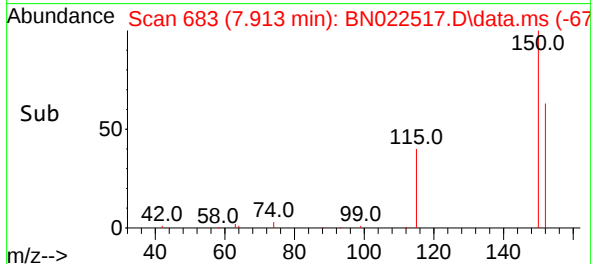


Tgt Ion:152 Resp: 3060
Ion Ratio Lower Upper
152 100
150 155.7 123.4 185.2
115 67.6 54.9 82.3

Manual Integrations

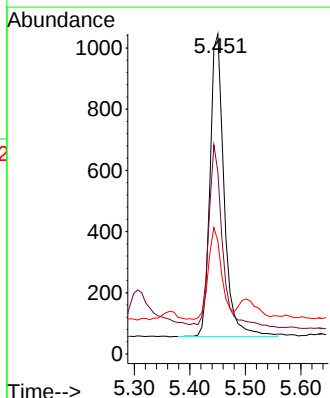
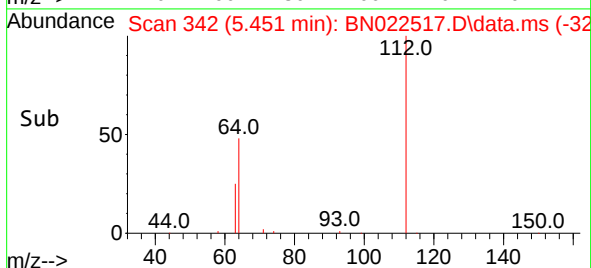
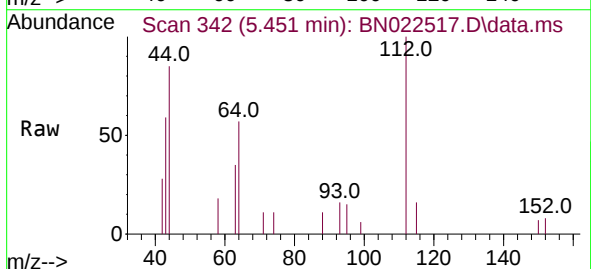
APPROVED

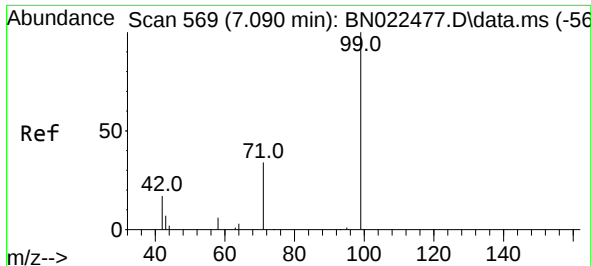
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#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





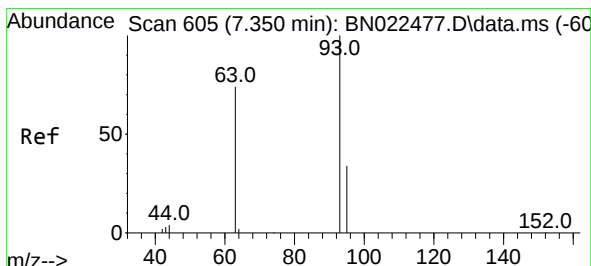
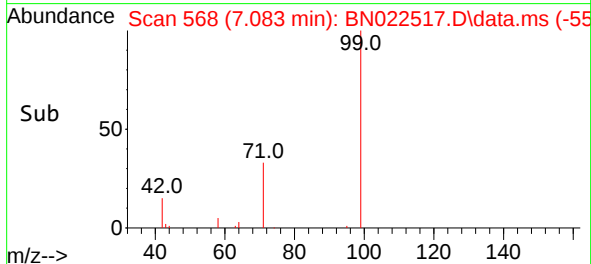
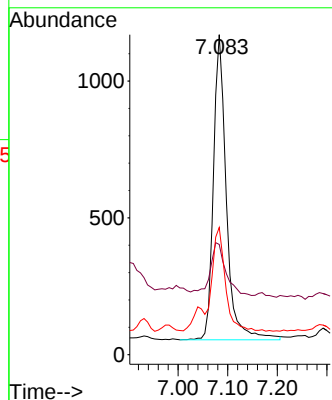
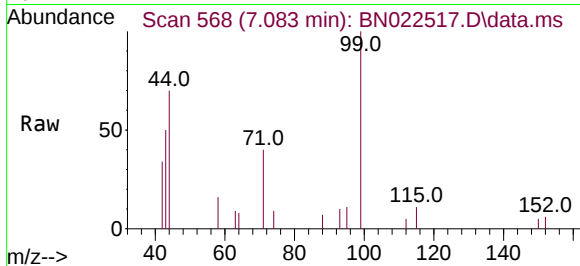
#5
Phenol-d6
Concen: 0.186 ng
RT: 7.083 min Scan# 50
Delta R.T. -0.007 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

Instrument :
BNA_N
ClientSampleId :
S-9-103122DL

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

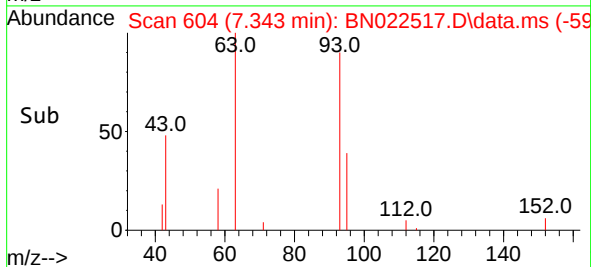
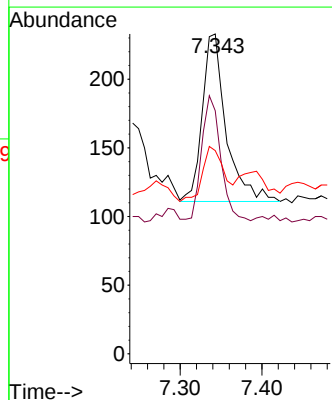
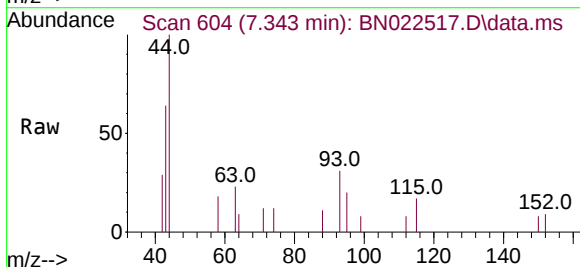
Manual Integrations
APPROVED

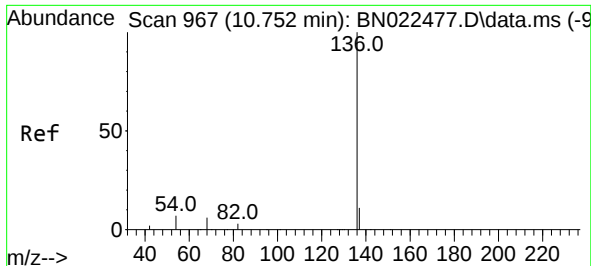
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#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# 967
Delta R.T. -0.010 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

Instrument :

BNA_N

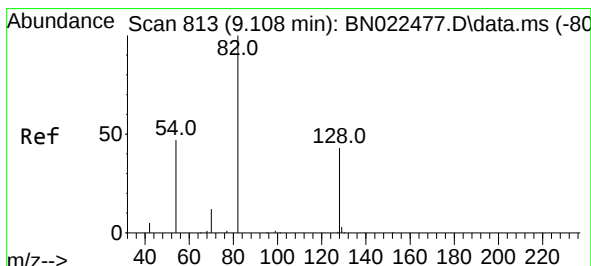
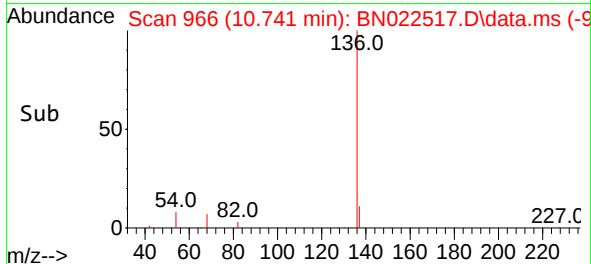
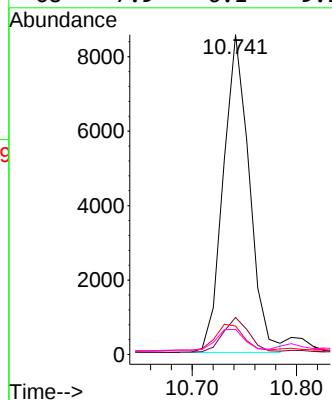
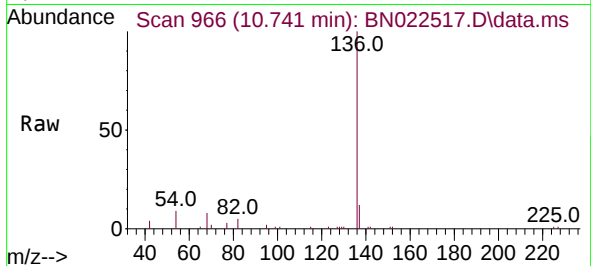
ClientSampleId :

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

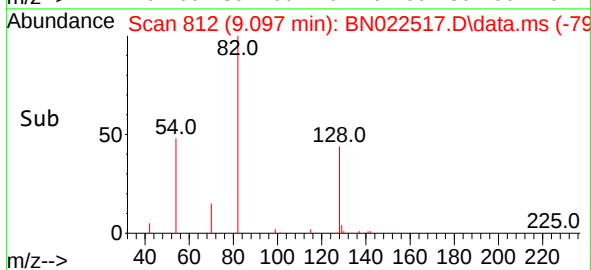
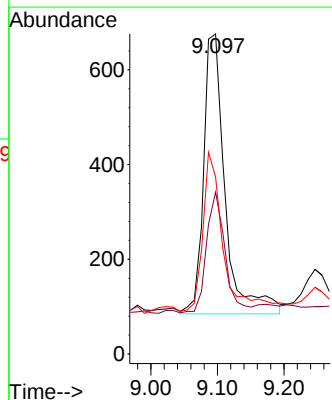
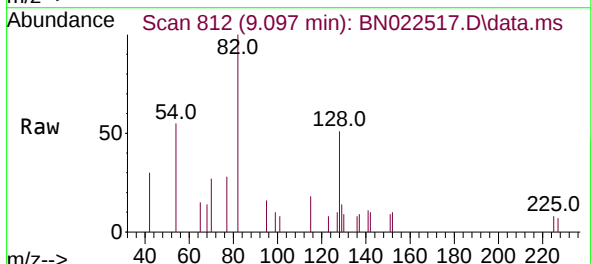
Manual Integrations
APPROVED

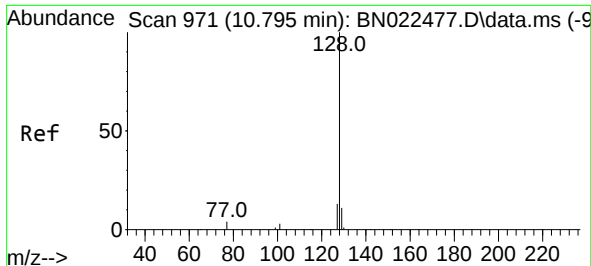
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#8
Nitrobenzene-d5
Concen: 0.100 ng m
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: 1332
Ion Ratio Lower Upper
82 100
128 50.6 37.3 55.9
54 55.3 40.0 60.0





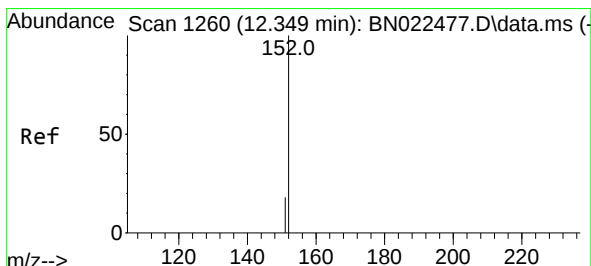
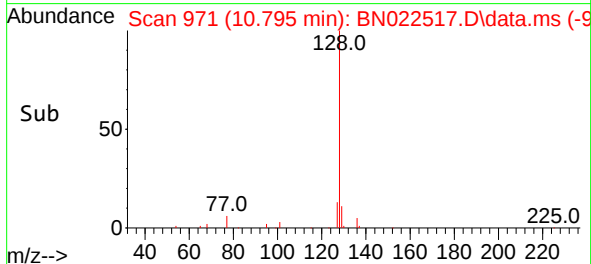
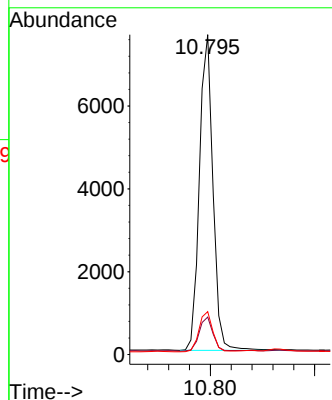
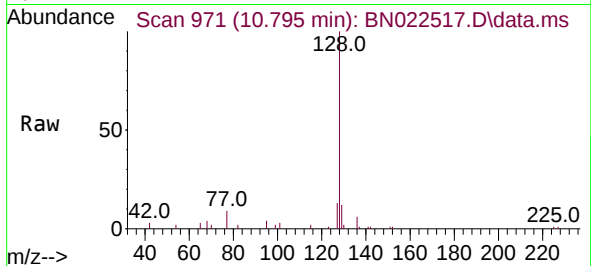
#9
Naphthalene
Concen: 0.305 ng
RT: 10.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

Instrument :
BNA_N
ClientSampleId :
S-9-103122DL

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

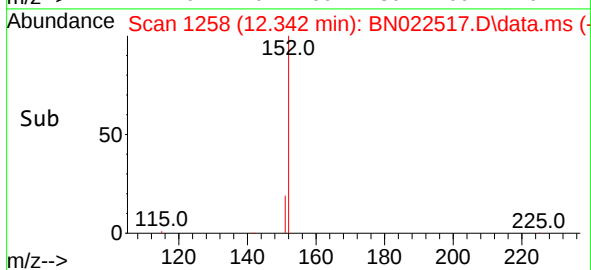
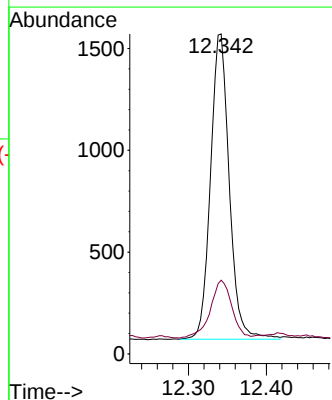
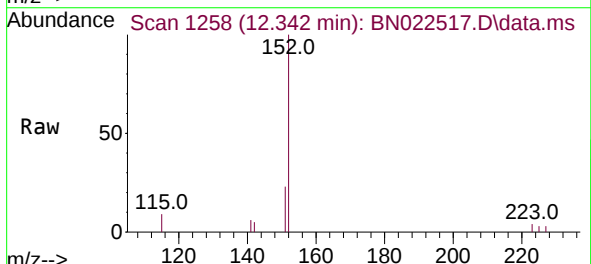
Manual Integrations
APPROVED

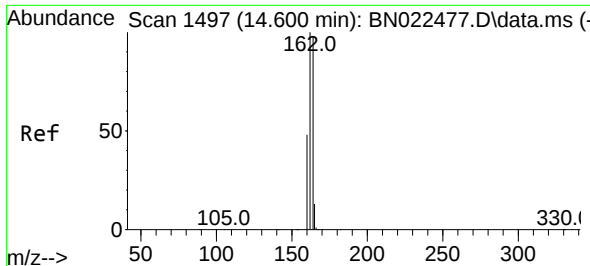
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#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

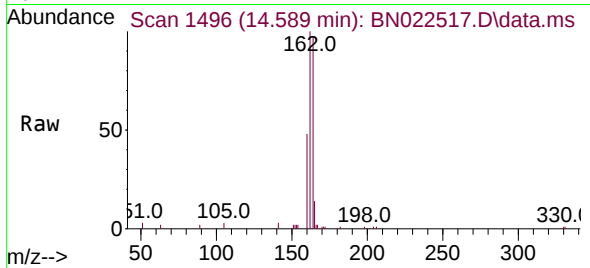
Tgt Ion:152 Resp: 2504
Ion Ratio Lower Upper
152 100
151 21.7 16.6 25.0





#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

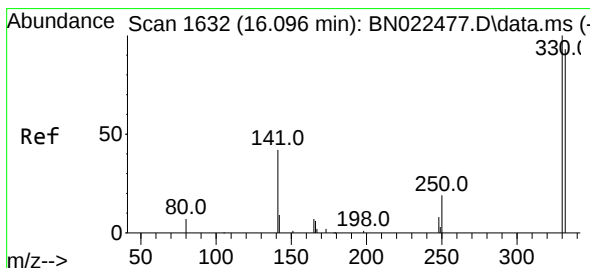
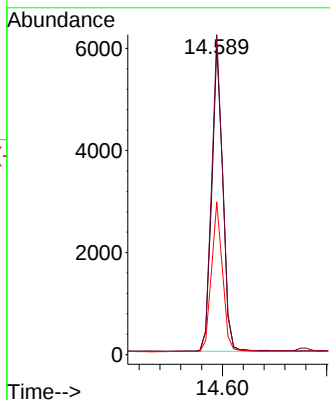
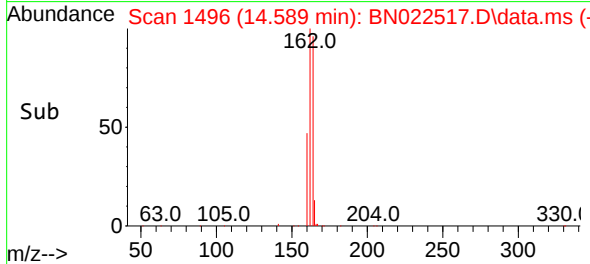
Instrument :
BNA_N
ClientSampleId :
S-9-103122DL



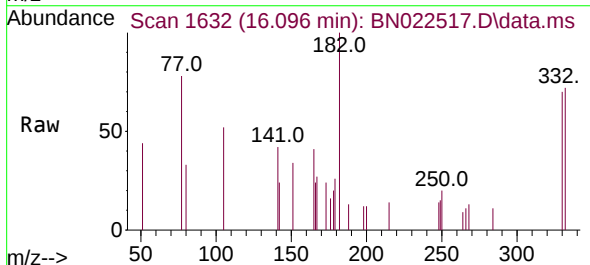
Tgt Ion:164 Resp: 8910
Ion Ratio Lower Upper
164 100
162 103.5 82.0 123.0
160 49.4 39.4 59.2

Manual Integrations
APPROVED

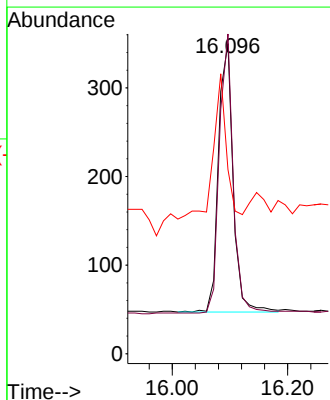
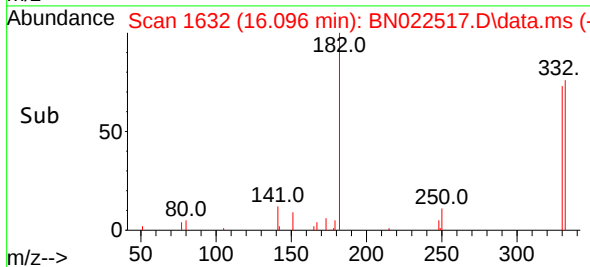
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

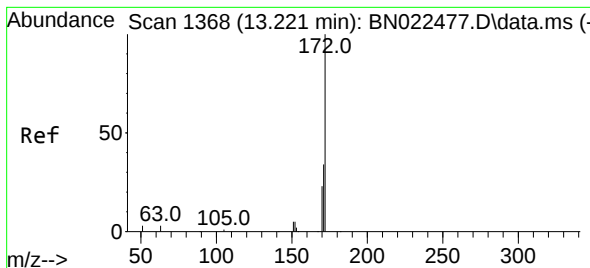


#14
2,4,6-Tribromophenol
Concen: 0.114 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55



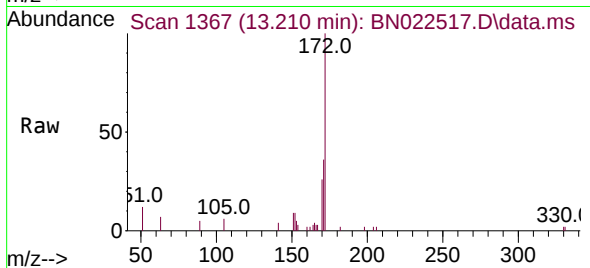
Tgt Ion:330 Resp: 535
Ion Ratio Lower Upper
330 100
332 97.4 77.8 116.8
141 47.9 35.0 52.6





#15
2-Fluorobiphenyl
Concen: 0.104 ng
RT: 13.210 min Scan# 1368
Delta R.T. -0.010 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

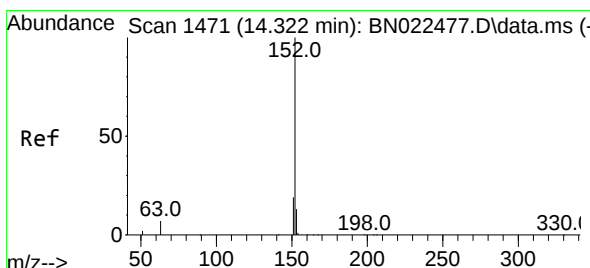
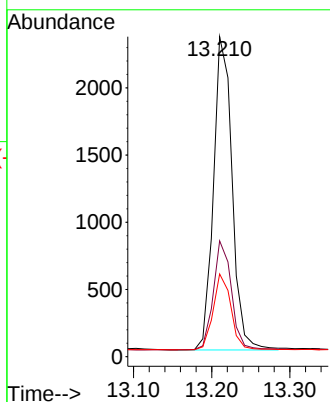
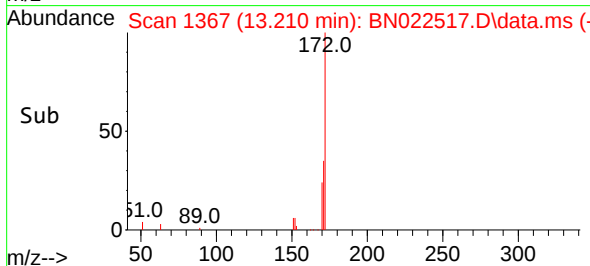
Instrument :
BNA_N
ClientSampleId :
S-9-103122DL



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

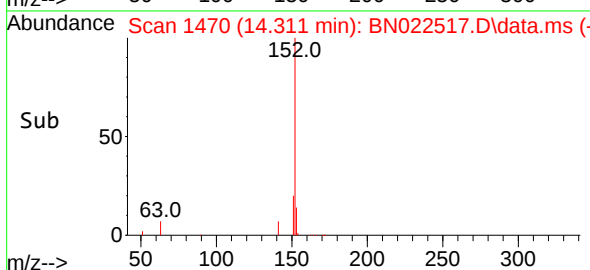
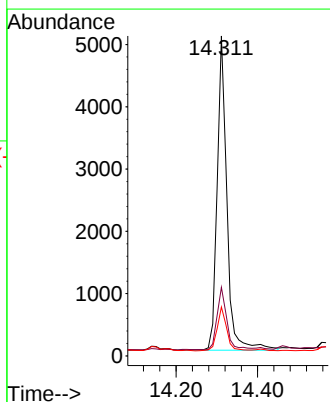
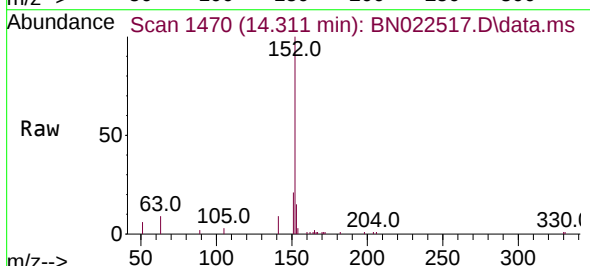
Manual Integrations
APPROVED

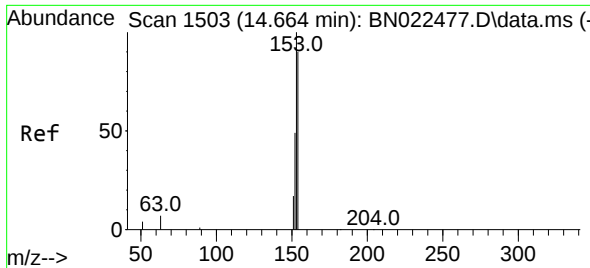
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#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

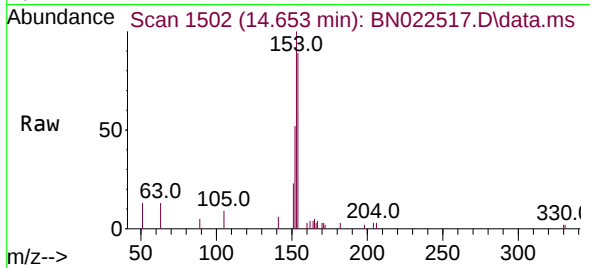
Tgt Ion:152 Resp: 8407
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.6
153 13.6 10.3 15.5





#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

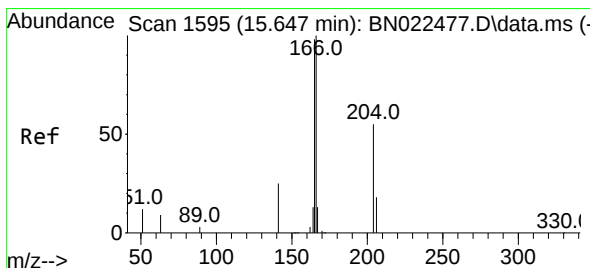
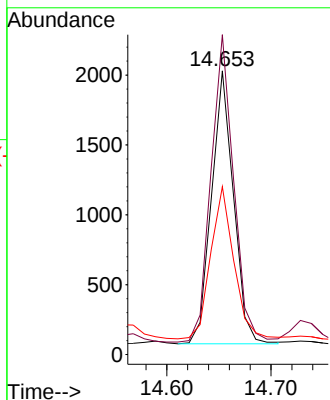
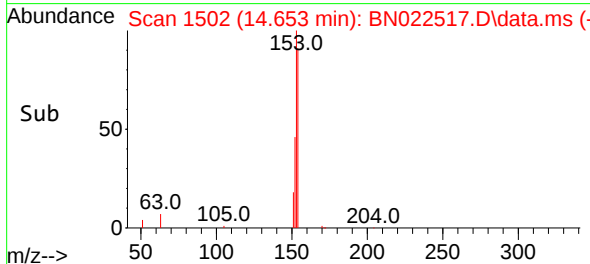
Instrument :
BNA_N
ClientSampleId :
S-9-103122DL



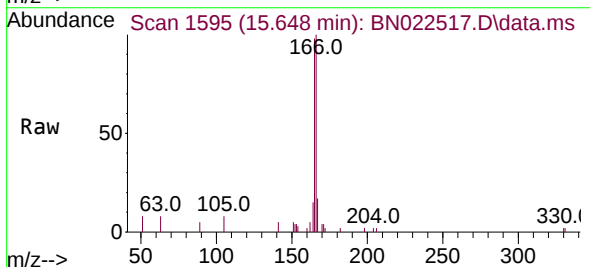
Tgt Ion:154 Resp: 286
Ion Ratio Lower Upper
154 100
153 115.3 91.8 137.8
152 58.8 45.7 68.5

Manual Integrations
APPROVED

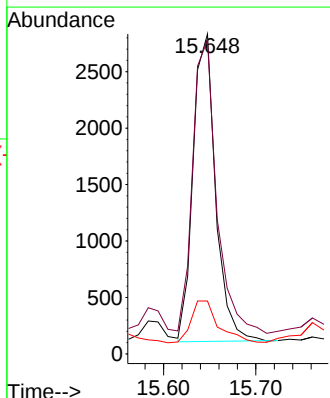
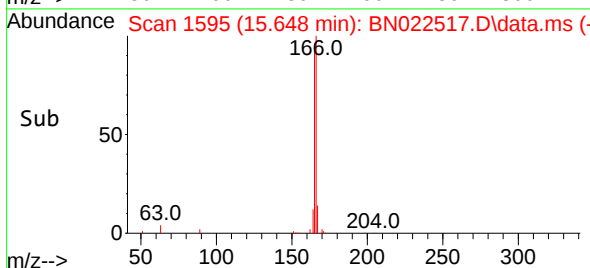
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

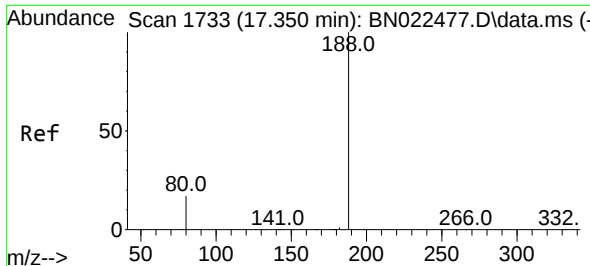


#18
Fluorene
Concen: 0.115 ng
RT: 15.648 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55



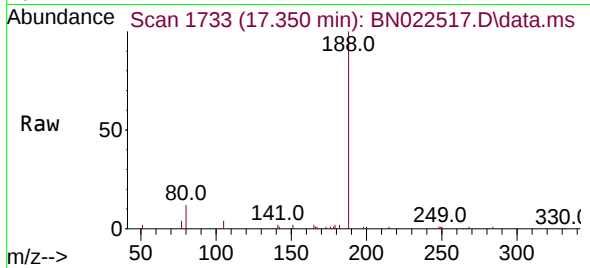
Tgt Ion:166 Resp: 4689
Ion Ratio Lower Upper
166 100
165 100.4 78.7 118.1
167 16.4 10.2 15.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

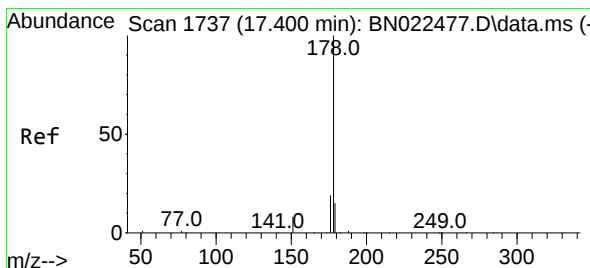
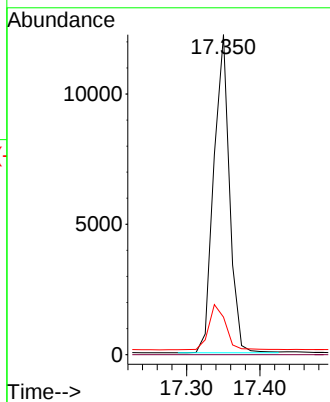
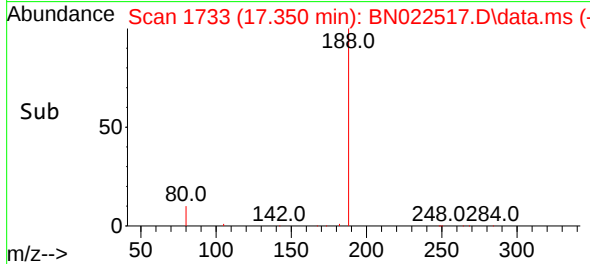
Instrument :
BNA_N
ClientSampleId :
S-9-103122DL



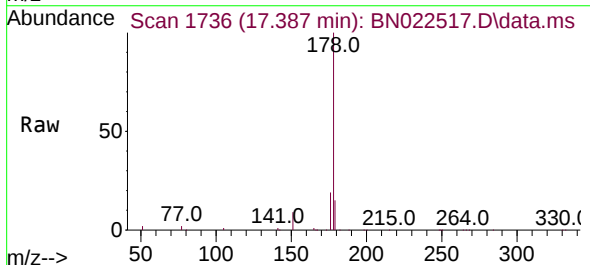
Tgt Ion:188 Resp: 1816
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.7 14.6 21.8

Manual Integrations
APPROVED

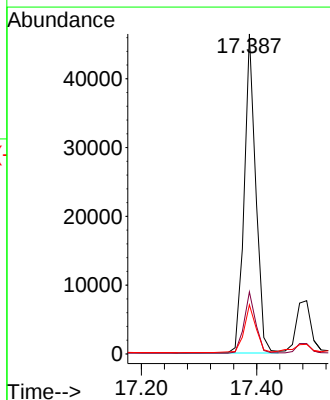
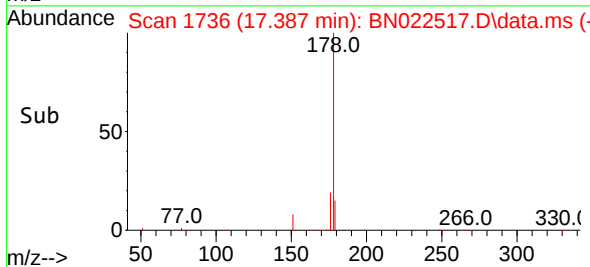
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

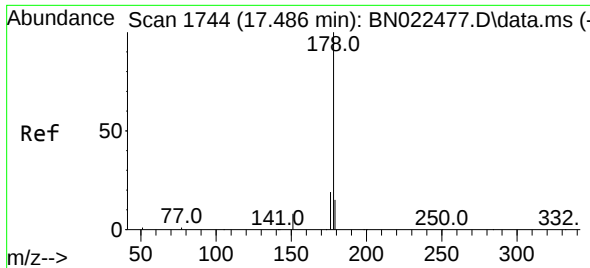


#25
Phenanthrene
Concen: 1.065 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55



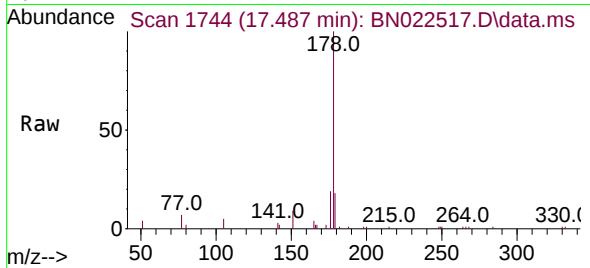
Tgt Ion:178 Resp: 64637
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.4 12.2 18.4





#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

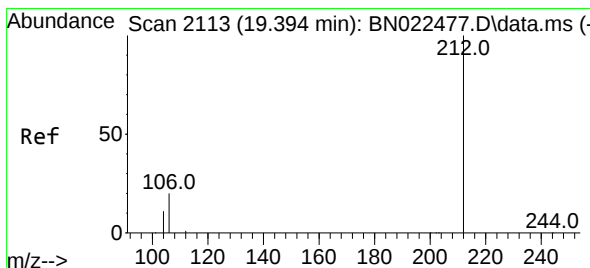
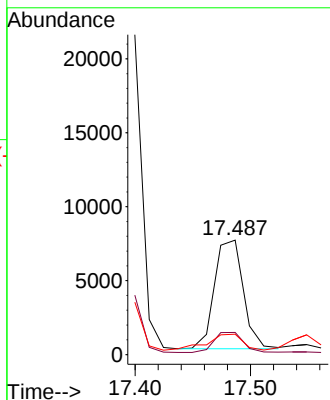
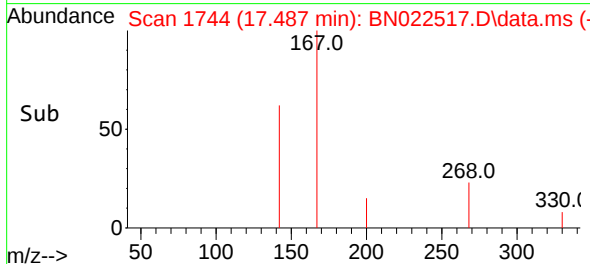
Instrument :
 BNA_N
 ClientSampleId :
 S-9-103122DL



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

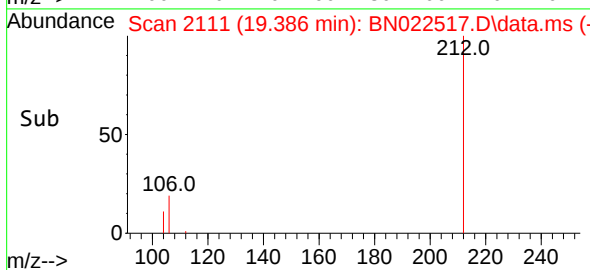
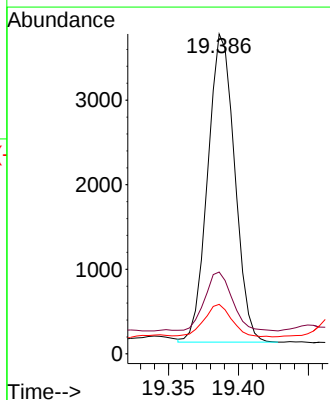
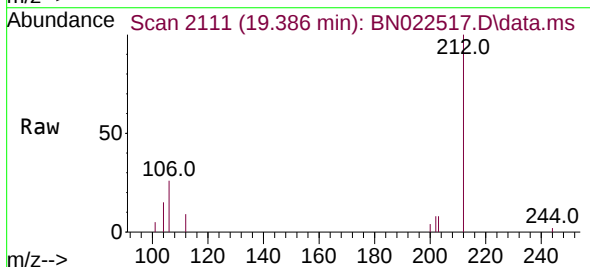
Manual Integrations
 APPROVED

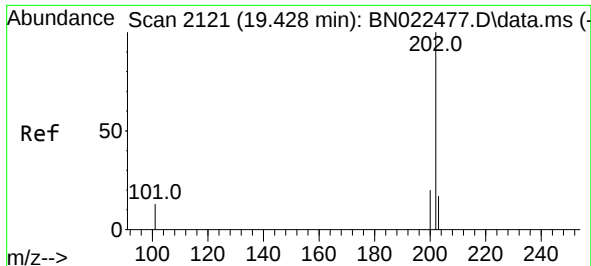
Reviewed By :Christian Giraldo 11/05/2022
 Supervised By :Jagrut Upadhyay 11/07/2022



#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

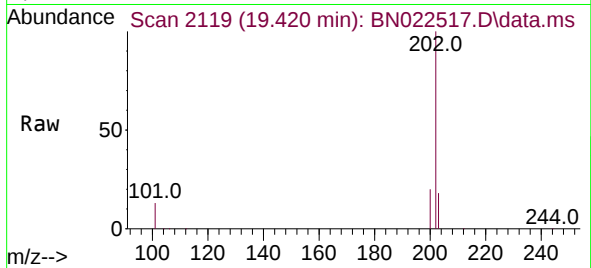
Tgt Ion:212 Resp: 4880
 Ion Ratio Lower Upper
 212 100
 106 19.4 15.2 22.8
 104 11.0 8.6 12.8





#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

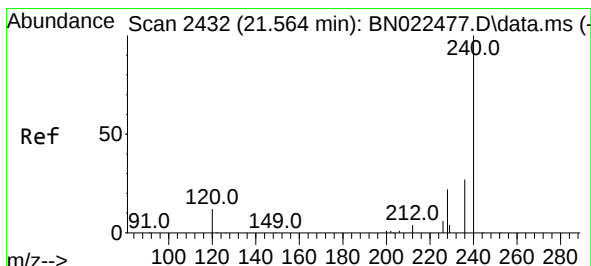
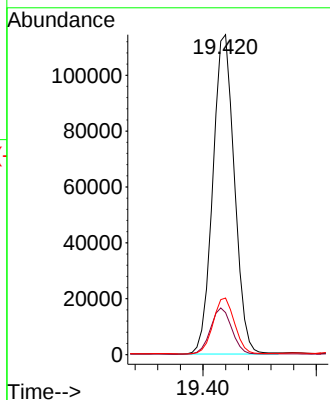
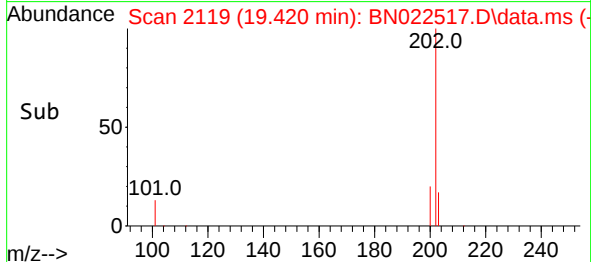
Instrument :
BNA_N
ClientSampleId :
S-9-103122DL



Tgt Ion:202 Resp: 15124
Ion Ratio Lower Upper
202 100
101 14.2 11.2 16.8
203 17.4 13.6 20.4

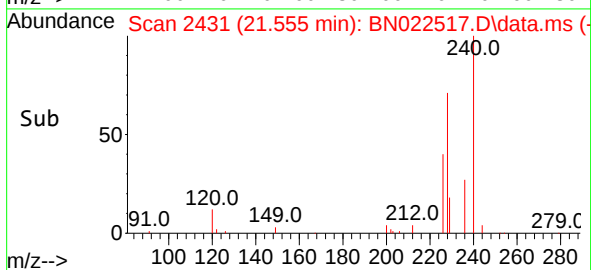
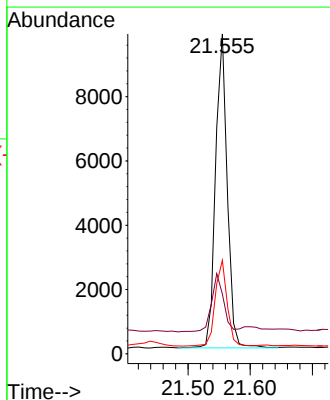
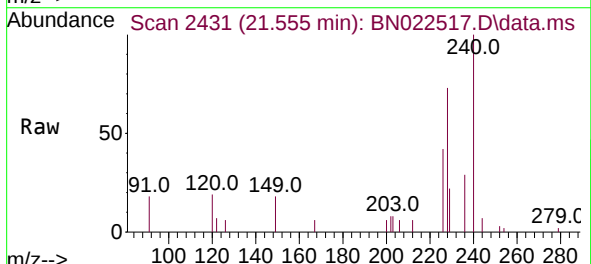
Manual Integrations
APPROVED

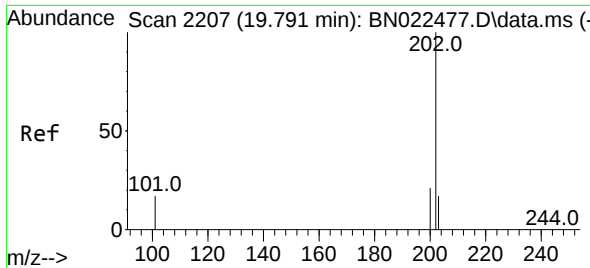
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#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





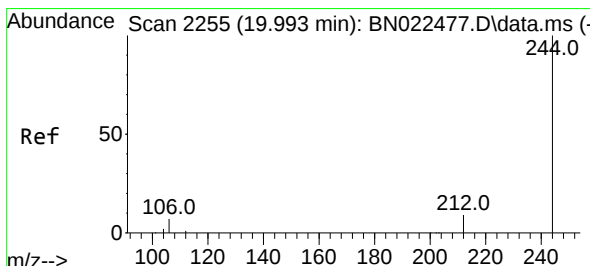
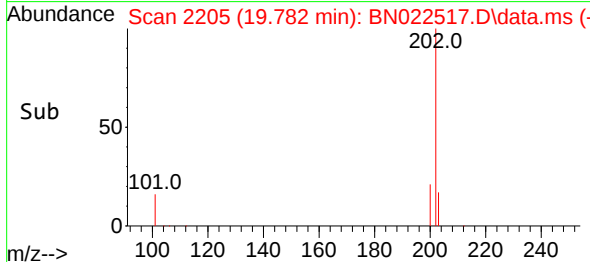
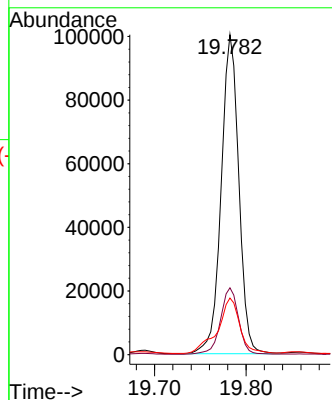
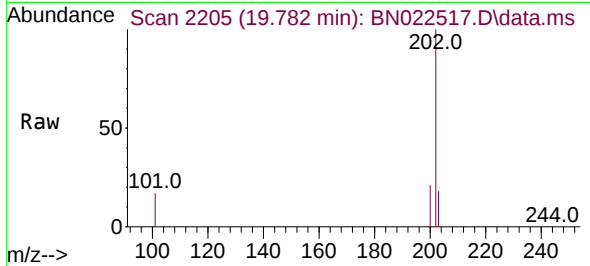
#30
 Pyrene
 Concen: 2.448 ng
 RT: 19.782 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BN022517.D
 Acq: 04 Nov 2022 20:55

Instrument :
 BNA_N
 ClientSampleId :
 S-9-103122DL

Tgt Ion:202 Resp: 134762
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.0 25.4
 203 21.8 14.3 21.5

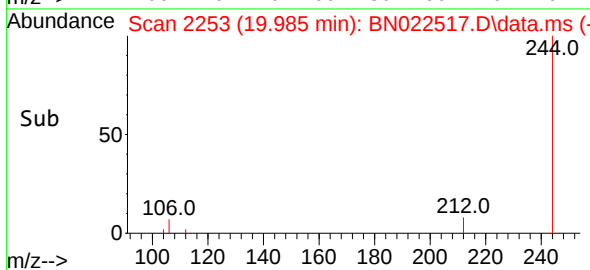
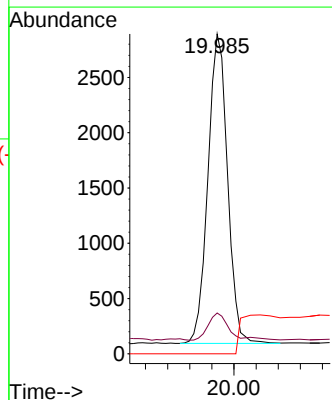
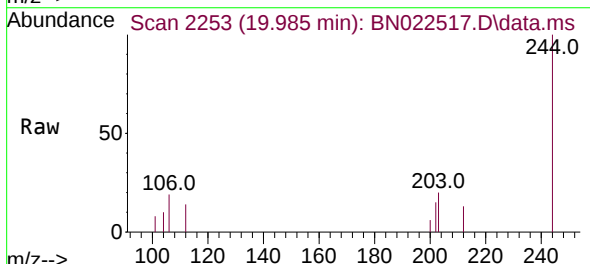
Manual Integrations
 APPROVED

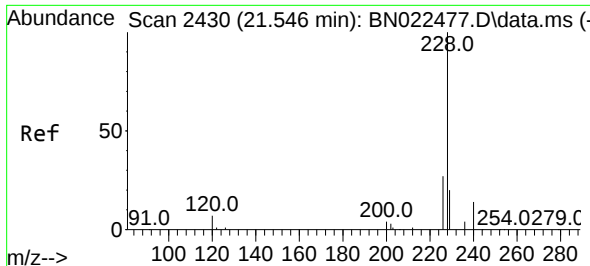
Reviewed By :Christian Giraldo 11/05/2022
 Supervised By :Jagrut Upadhyay 11/07/2022



#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

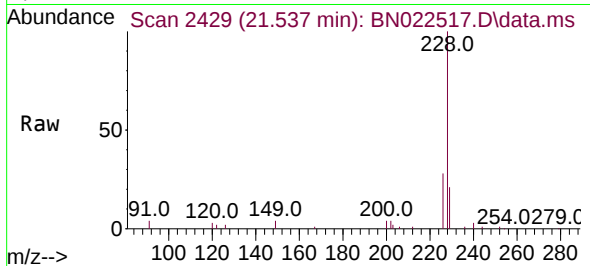
Tgt Ion:244 Resp: 4327
 Ion Ratio Lower Upper
 244 100
 212 12.8 7.8 11.8#
 122 0.0 0.0 0.0





#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

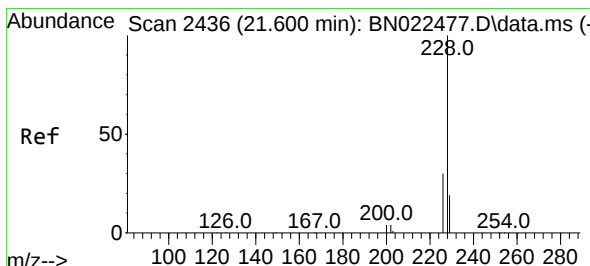
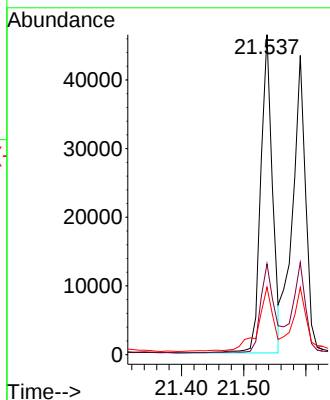
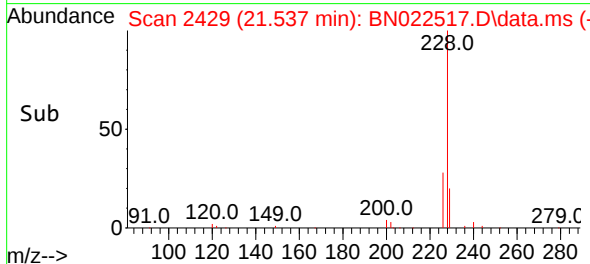
Instrument :
BNA_N
ClientSampleId :
S-9-103122DL



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

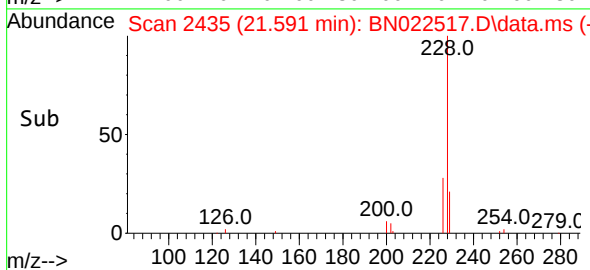
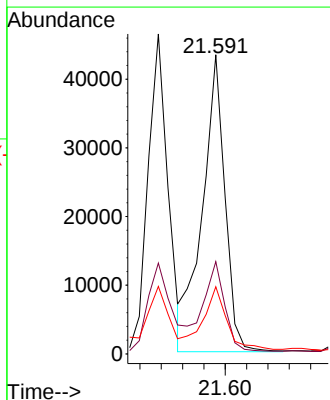
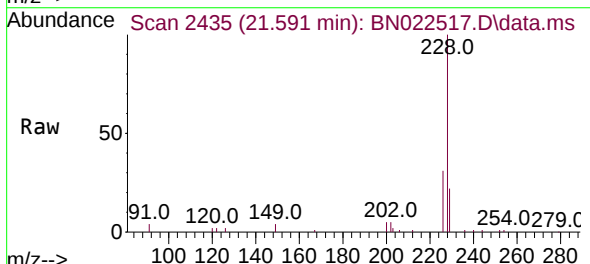
Manual Integrations
APPROVED

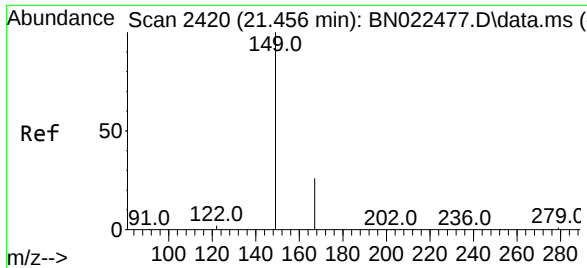
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#33
Chrysene
Concen: 1.259 ng m
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: 63920
Ion Ratio Lower Upper
228 100
226 30.8 24.1 36.1
229 22.4 15.9 23.9





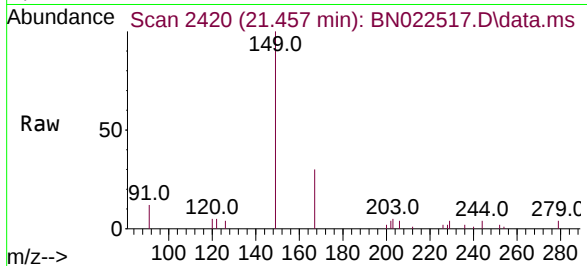
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.375 ng
RT: 21.457 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

Instrument :

BNA_N

ClientSampleId :

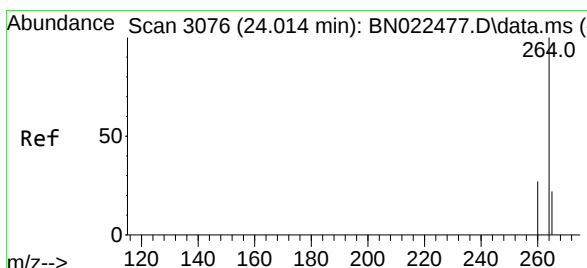
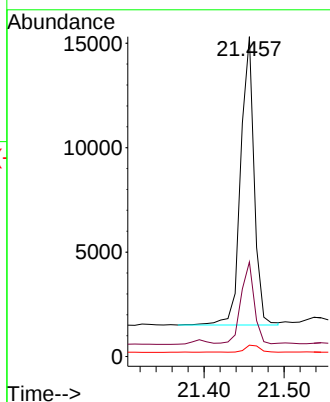
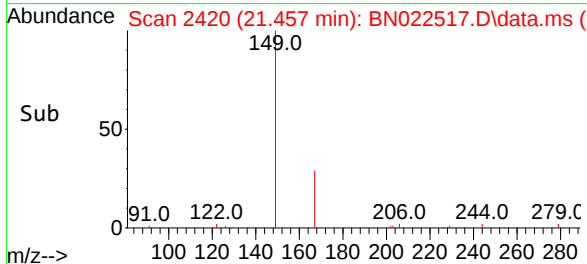
S-9-103122DL



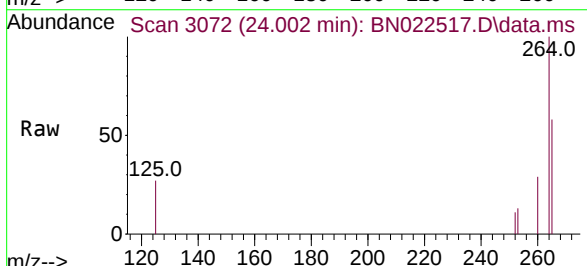
Tgt Ion:149 Resp: 16184
Ion Ratio Lower Upper
149 100
167 27.3 21.3 31.9
279 2.6 2.7 4.1

Manual Integrations
APPROVED

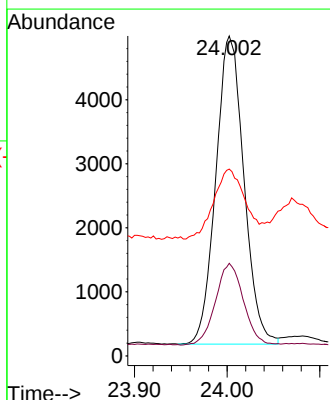
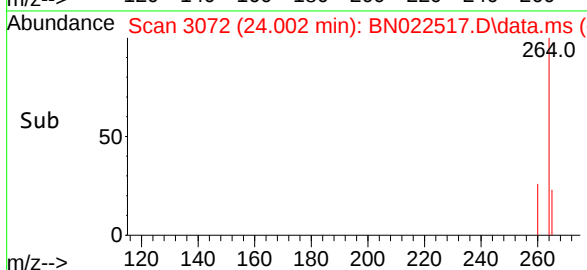
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

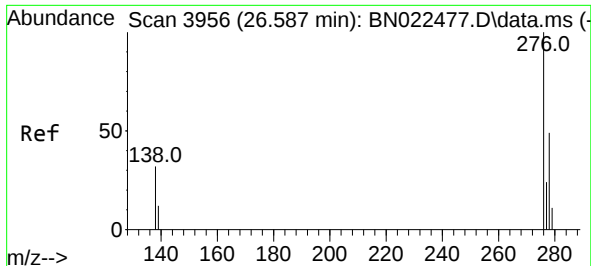


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.002 min Scan# 3072
Delta R.T. -0.011 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55



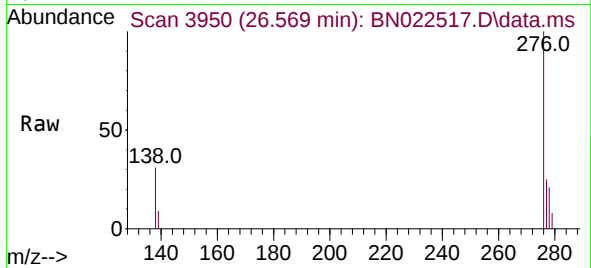
Tgt Ion:264 Resp: 10160
Ion Ratio Lower Upper
264 100
260 28.9 22.4 33.6
265 58.4 44.4 66.6





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.539 ng
RT: 26.569 min Scan# 3956
Delta R.T. -0.017 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

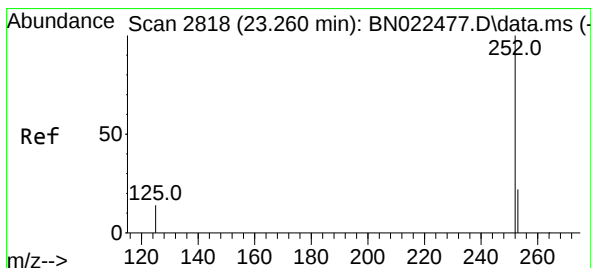
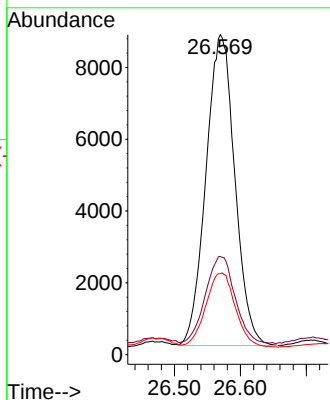
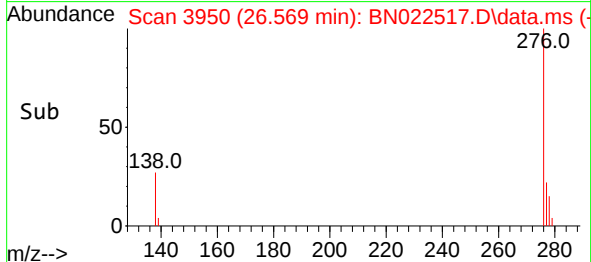
Instrument :
BNA_N
ClientSampleId :
S-9-103122DL



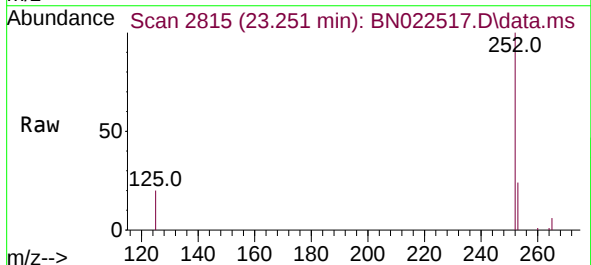
Tgt Ion:276 Resp: 26372
Ion Ratio Lower Upper
276 100
138 28.3 27.5 41.3
277 24.6 19.8 29.6

Manual Integrations
APPROVED

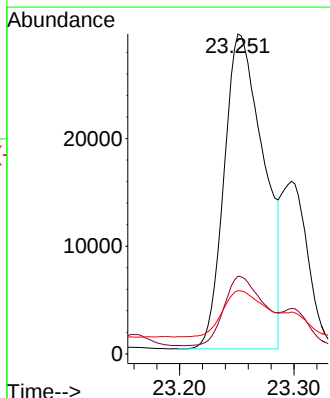
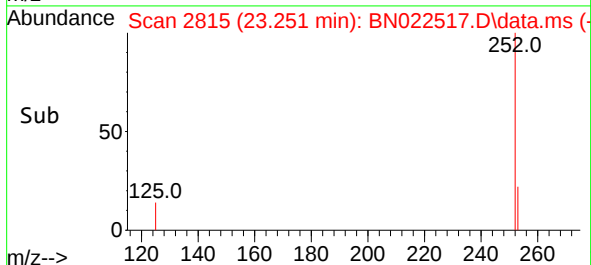
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

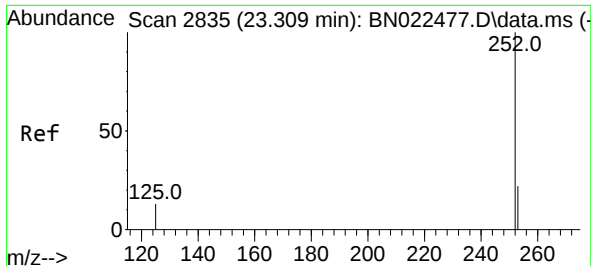


#37
Benzo(b)fluoranthene
Concen: 1.766 ng
RT: 23.251 min Scan# 2815
Delta R.T. -0.009 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55



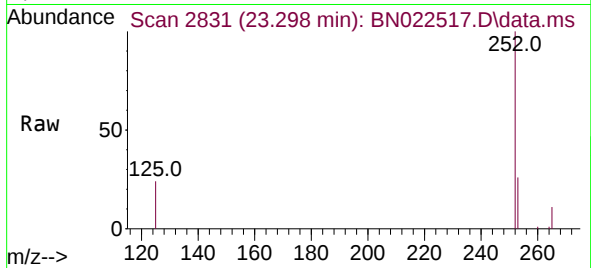
Tgt Ion:252 Resp: 70534
Ion Ratio Lower Upper
252 100
253 24.3 21.1 31.7
125 19.8 16.8 25.2





#38
Benzo(k)fluoranthene
Concen: 0.627 ng m
RT: 23.298 min Scan# 2835
Delta R.T. -0.011 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

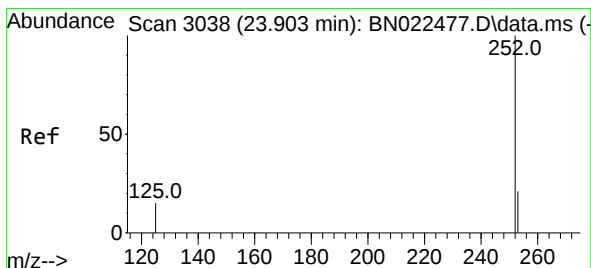
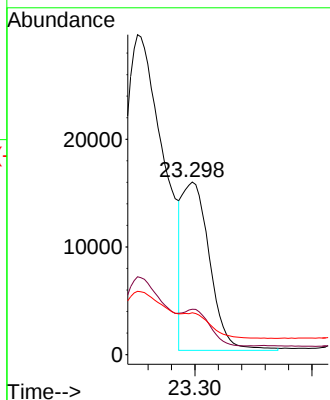
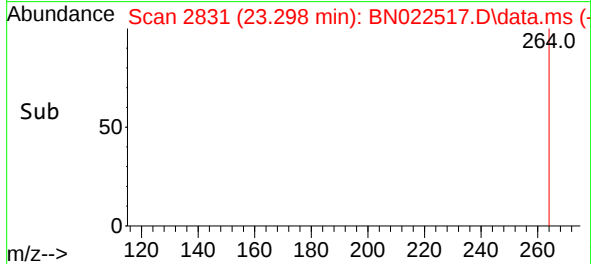
Instrument :
BNA_N
ClientSampleId :
S-9-103122DL



Tgt Ion:252 Resp: 25563
Ion Ratio Lower Upper
252 100
253 26.3 20.9 31.3
125 24.3 16.1 24.1

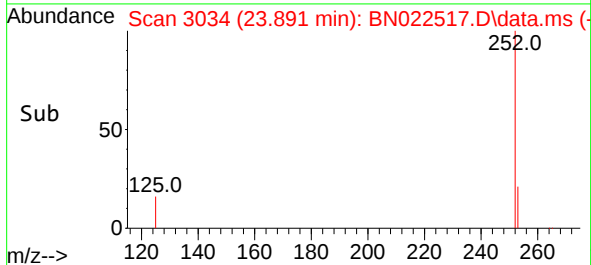
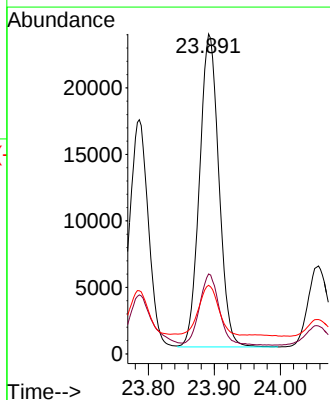
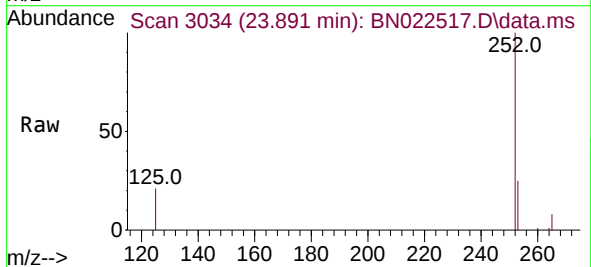
Manual Integrations
APPROVED

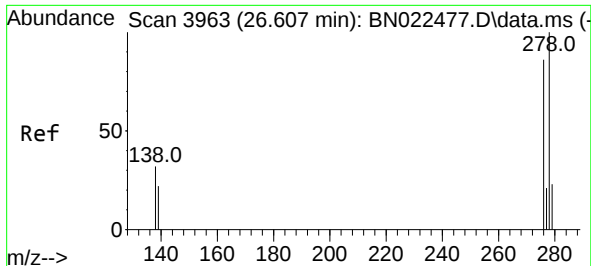
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#39
Benzo(a)pyrene
Concen: 1.392 ng
RT: 23.891 min Scan# 3034
Delta R.T. -0.012 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

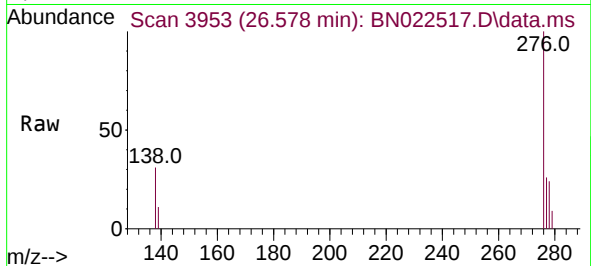
Tgt Ion:252 Resp: 47628
Ion Ratio Lower Upper
252 100
253 25.0 22.0 33.0
125 21.5 19.8 29.8





#40
Dibenzo(a,h)anthracene
Concen: 0.171 ng
RT: 26.578 min Scan# 3963
Delta R.T. -0.029 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55

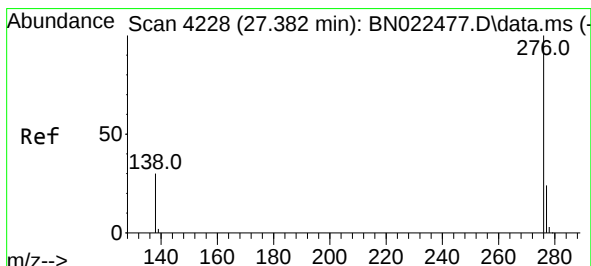
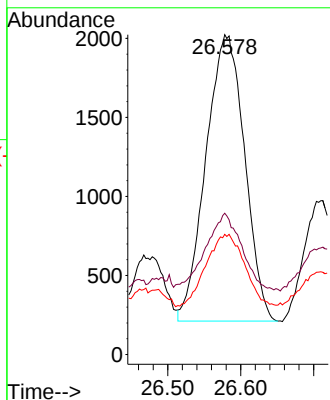
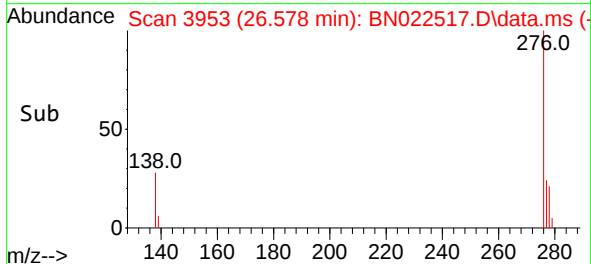
Instrument :
BNA_N
ClientSampleId :
S-9-103122DL



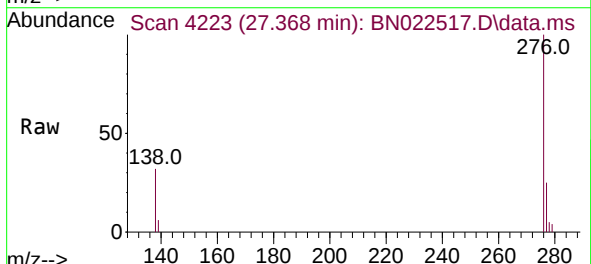
Tgt Ion:278 Resp: 667
Ion Ratio Lower Upper
278 100
139 44.2 21.8 32.6
279 37.5 21.5 32.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#41
Benzo(g,h,i)perylene
Concen: 0.706 ng
RT: 27.368 min Scan# 4223
Delta R.T. -0.014 min
Lab File: BN022517.D
Acq: 04 Nov 2022 20:55



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

