

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
 Data File : BN022515.D
 Acq On : 04 Nov 2022 19:38
 Operator : CG/JU
 Sample : N5395-09DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-6-103122DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/05/2022
 Supervised By : mohammad ahmed 11/08/2022

Quant Time: Nov 05 01:58:42 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	4156	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	14796	0.400	ng	-0.01
13) Acenaphthene-d10	14.593	164	7835	0.400	ng	0.00
19) Phenanthrene-d10	17.341	188	18928	0.400	ng	0.00
29) Chrysene-d12	21.555	240	13412	0.400	ng	# 0.00
35) Perylene-d12	24.002	264	11068	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.450	112	1248	0.106	ng	0.00
5) Phenol-d6	7.083	99	2531	0.171	ng	0.00
8) Nitrobenzene-d5	9.097	82	1475	0.110	ng	-0.01
11) 2-Methylnaphthalene-d10	12.342	152	2491	0.100	ng	0.00
14) 2,4,6-Tribromophenol	16.088	330	522	0.127	ng	0.00
15) 2-Fluorobiphenyl	13.214	172	3748	0.115	ng	0.00
27) Fluoranthene-d10	19.390	212	4491	0.087	ng	0.00
31) Terphenyl-d14	19.984	244	3670	0.088	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.795	128	9848	0.220	ng	99
16) Acenaphthylene	14.315	152	9685	0.244	ng	99
17) Acenaphthene	14.657	154	3694	0.144	ng	99
18) Fluorene	15.640	166	4488	0.125	ng	# 96
25) Phenanthrene	17.391	178	147696	2.335	ng	100
26) Anthracene	17.478	178	27104	0.487	ng	# 95
28) Fluoranthene	19.419	202	324262	4.756	ng	99
30) Pyrene	19.782	202	272278	4.702	ng	# 96
32) Benzo(a)anthracene	21.537	228	133635	2.478	ng	99
33) Chrysene	21.591	228	128605	2.408	ng	98
34) Bis(2-ethylhexyl)phtha...	21.456	149	18865	0.415	ng	99
36) Indeno(1,2,3-cd)pyrene	26.569	276	69907	1.312	ng	95
37) Benzo(b)fluoranthene	23.253	252	155512	3.573	ng	# 93
38) Benzo(k)fluoranthene	23.297	252	56452m	1.272	ng	
39) Benzo(a)pyrene	23.894	252	102084m	2.739	ng	
40) Dibenzo(a,h)anthracene	26.581	278	17113	0.404	ng	# 89
41) Benzo(g,h,i)perylene	27.361	276	69335	1.540	ng	97

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

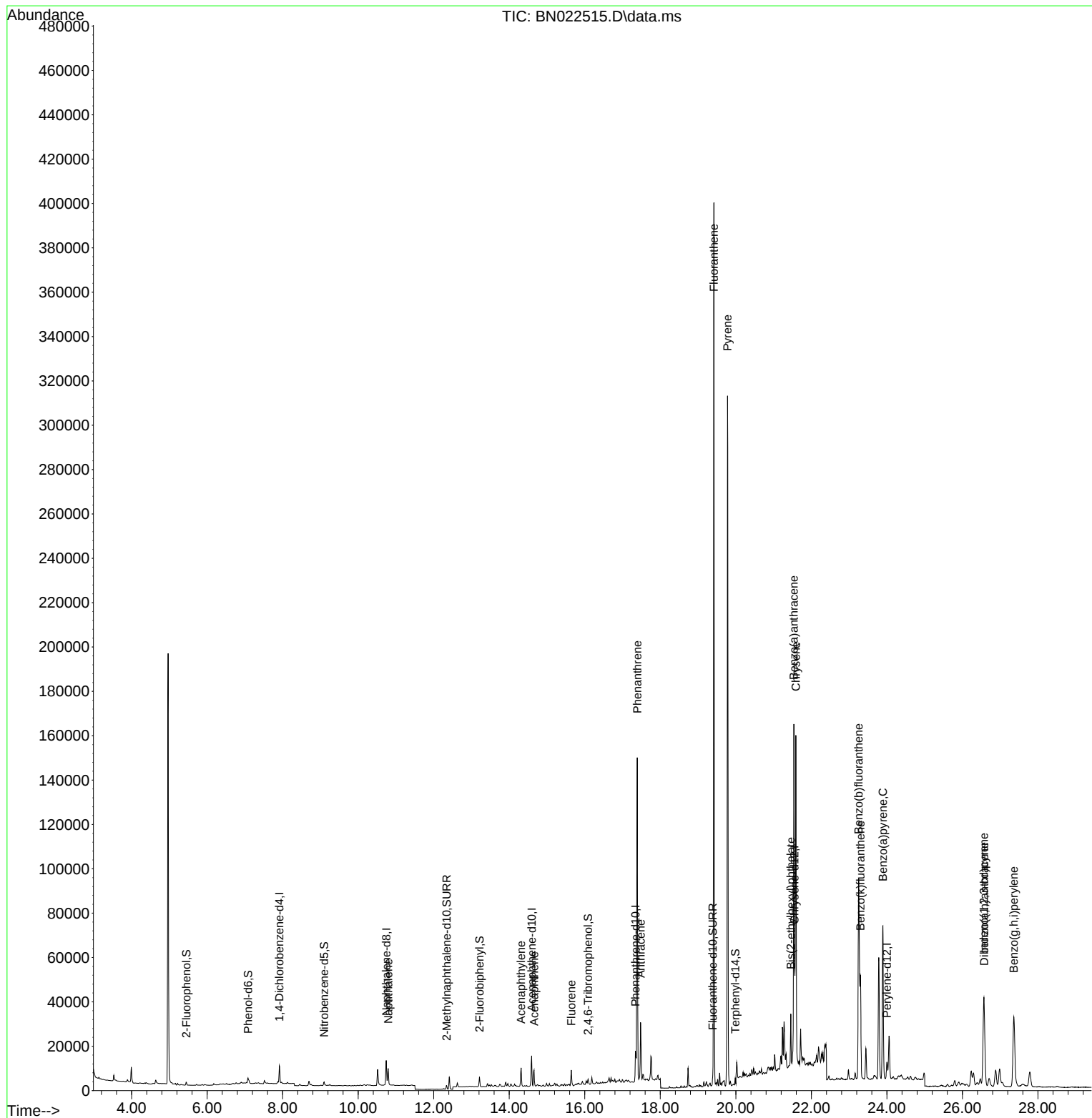
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
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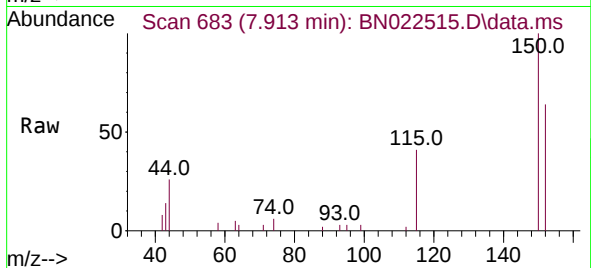
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.913 min Scan# 684
Delta R.T. -0.007 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

Instrument :

BNA_N

ClientSampleId :

S-6-103122DL

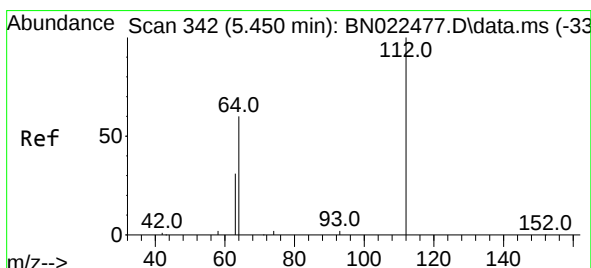
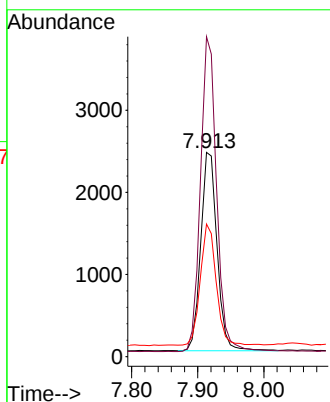
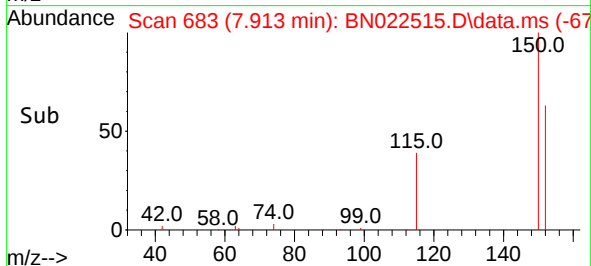


Tgt Ion:152 Resp: 4156
Ion Ratio Lower Upper
152 100
150 156.7 123.4 185.2
115 64.9 54.9 82.3

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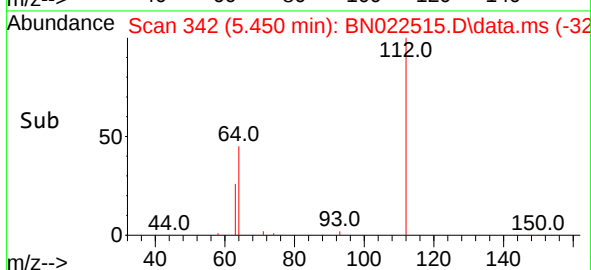
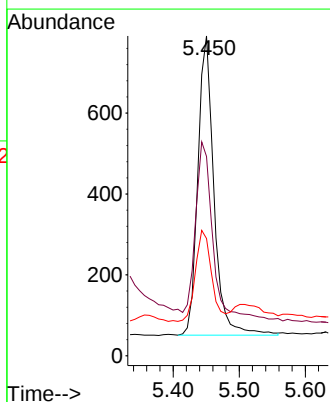
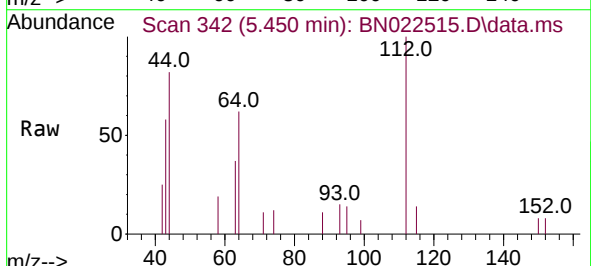
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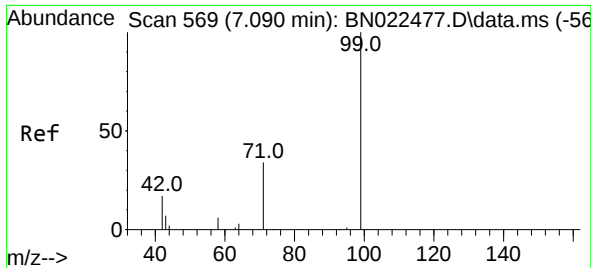
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :mohammad ahmed 11/08/2022



#4
2-Fluorophenol
Concen: 0.106 ng
RT: 5.450 min Scan# 342
Delta R.T. -0.000 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

Tgt Ion:112 Resp: 1248
Ion Ratio Lower Upper
112 100
64 65.9 47.1 70.7
63 30.4 24.6 36.8





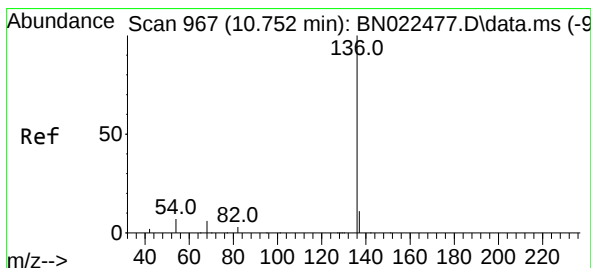
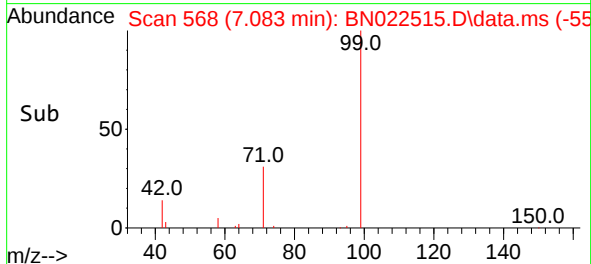
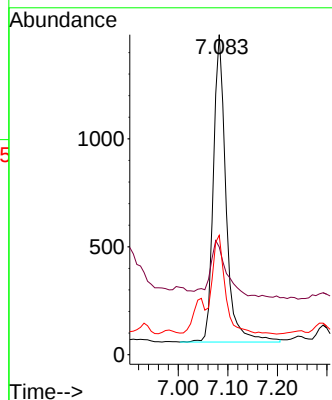
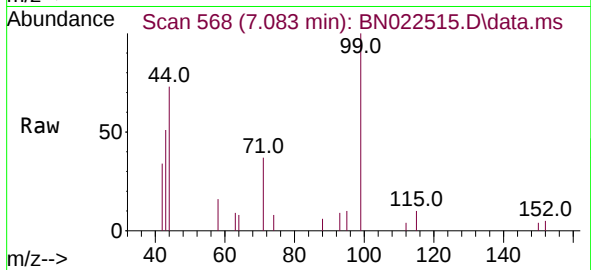
#5
Phenol-d6
Concen: 0.171 ng
RT: 7.083 min Scan# 569
Delta R.T. -0.007 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

Instrument :
BNA_N
ClientSampleId :
S-6-103122DL

Tgt Ion: 99 Resp: 2531
Ion Ratio Lower Upper
99 100
42 23.4 14.7 22.1
71 33.9 27.0 40.6

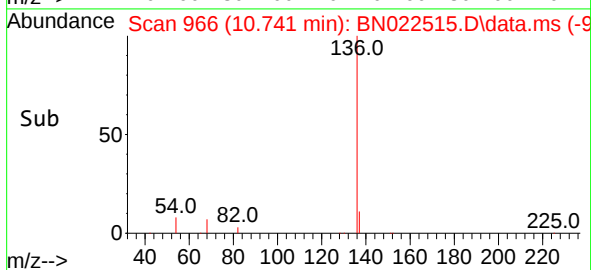
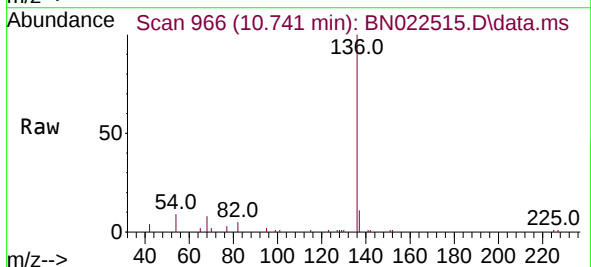
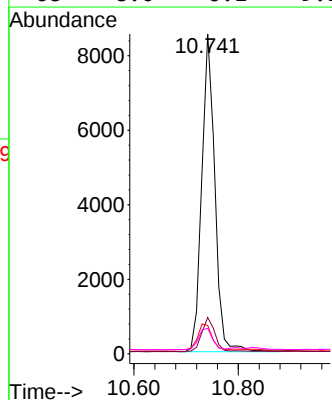
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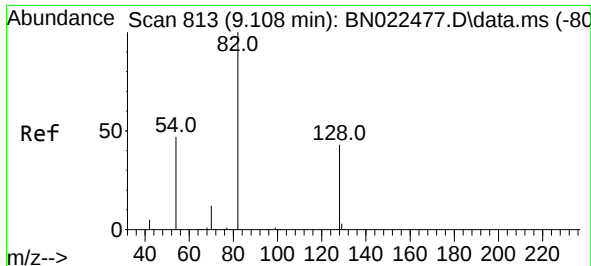
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :mohammad ahmed 11/08/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 966
Delta R.T. -0.011 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

Tgt Ion:136 Resp: 14796
Ion Ratio Lower Upper
136 100
137 11.4 9.5 14.3
54 8.9 7.1 10.7
68 8.0 6.1 9.1





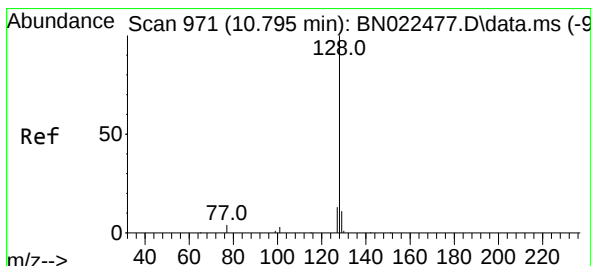
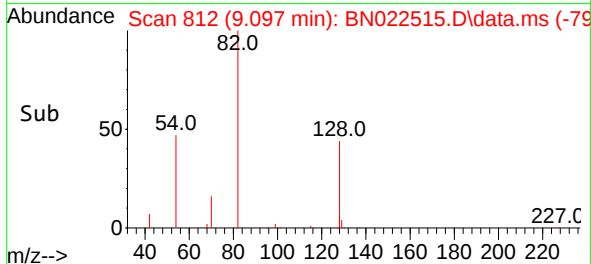
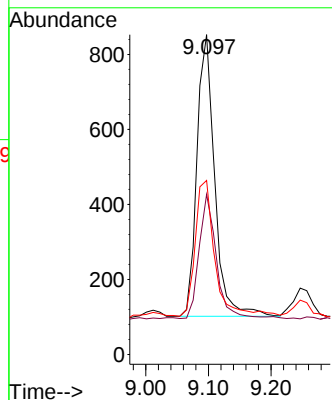
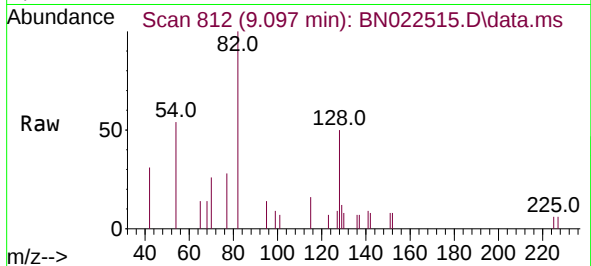
#8
Nitrobenzene-d5
Concen: 0.110 ng
RT: 9.097 min Scan# 813
Delta R.T. -0.011 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

Instrument :
BNA_N
ClientSampleId :
S-6-103122DL

Tgt Ion: 82 Resp: 1475
Ion Ratio Lower Upper
82 100
128 50.1 37.3 55.9
54 54.4 40.0 60.0

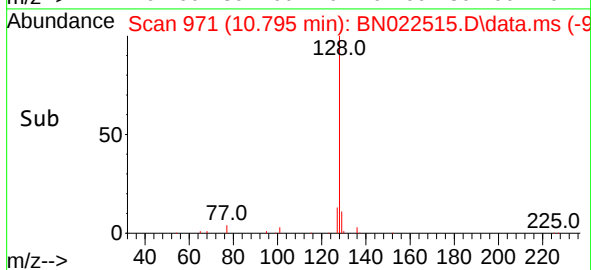
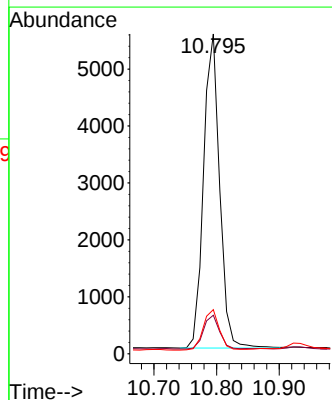
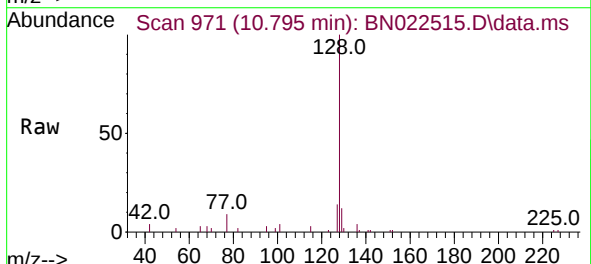
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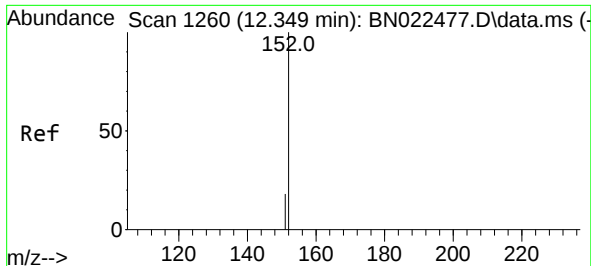
Reviewed By :Christian Giraldo 11/05/2022
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#9
Naphthalene
Concen: 0.220 ng
RT: 10.795 min Scan# 971
Delta R.T. -0.000 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

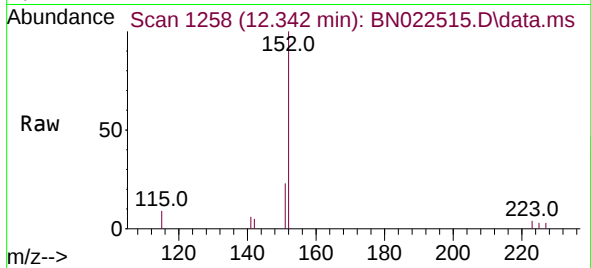
Tgt Ion:128 Resp: 9848
Ion Ratio Lower Upper
128 100
129 12.1 9.8 14.6
127 13.8 11.4 17.2





#11
2-Methylnaphthalene-d10
Concen: 0.100 ng
RT: 12.342 min Scan# 1258
Delta R.T. -0.008 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

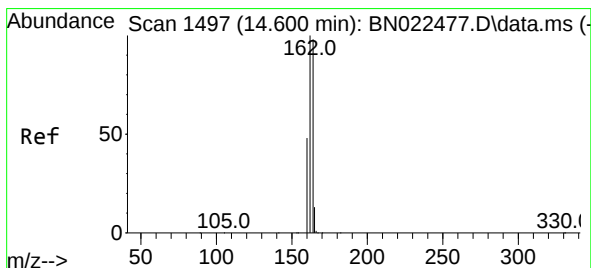
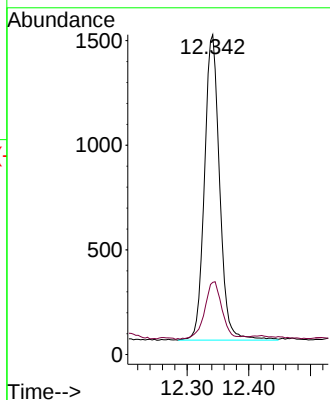
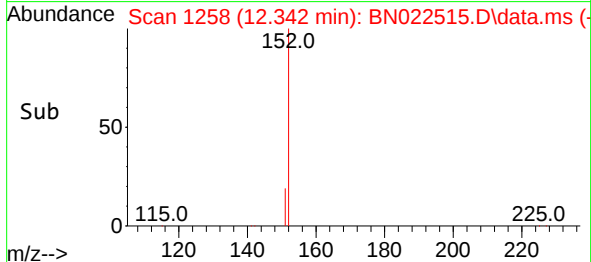
Instrument :
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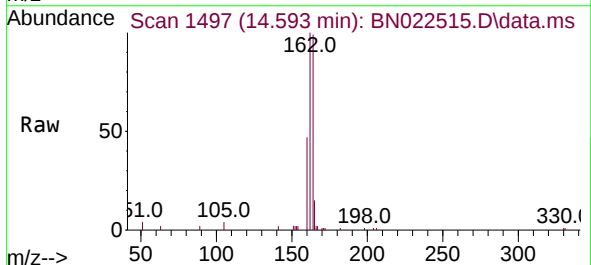
Tgt Ion:152 Resp: 2491
Ion Ratio Lower Upper
152 100
151 21.5 16.6 25.0

Manual Integrations
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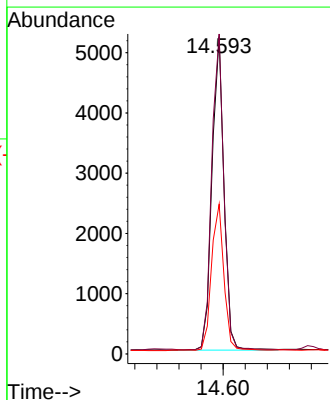
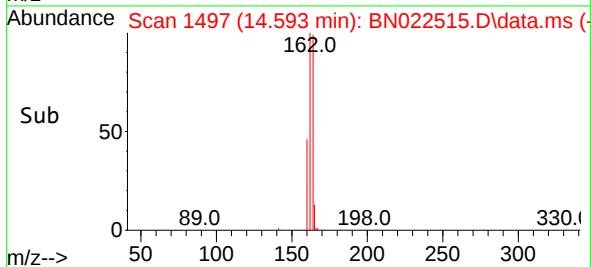
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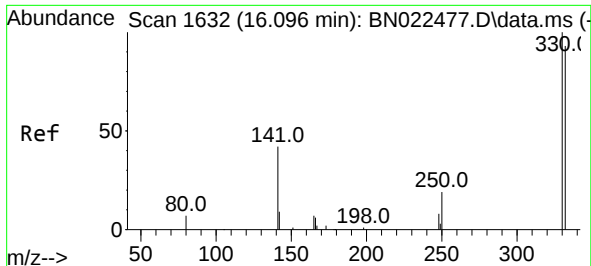


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.593 min Scan# 1497
Delta R.T. -0.007 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38



Tgt Ion:164 Resp: 7835
Ion Ratio Lower Upper
164 100
162 100.9 82.0 123.0
160 47.2 39.4 59.2





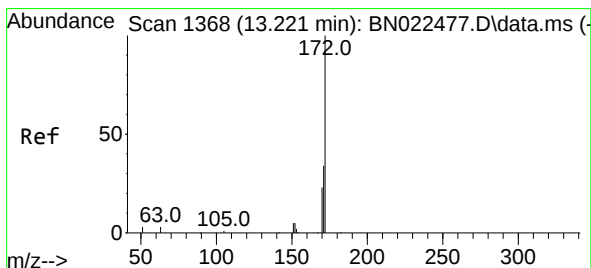
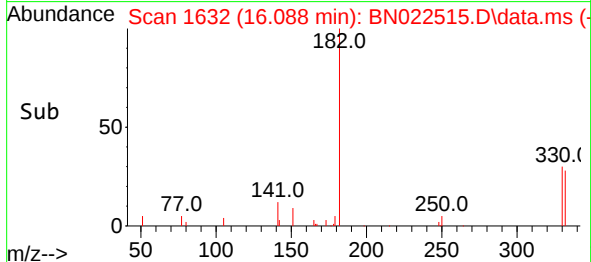
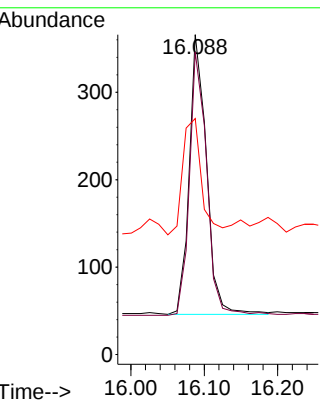
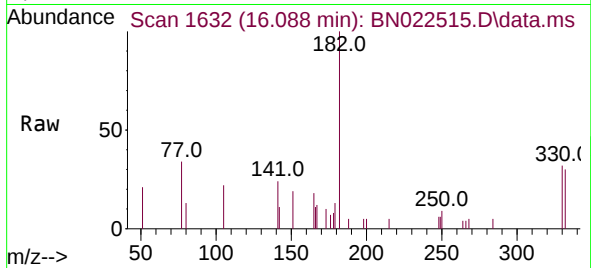
#14
2,4,6-Tribromophenol
Concen: 0.127 ng
RT: 16.088 min Scan# 1632
Delta R.T. -0.009 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

Instrument :
BNA_N
ClientSampleId :
S-6-103122DL

Tgt Ion:330 Resp: 522
Ion Ratio Lower Upper
330 100
332 94.3 77.8 116.8
141 45.0 35.0 52.6

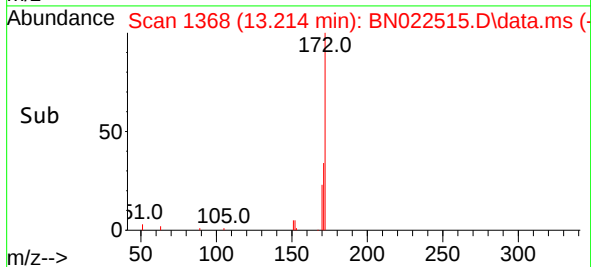
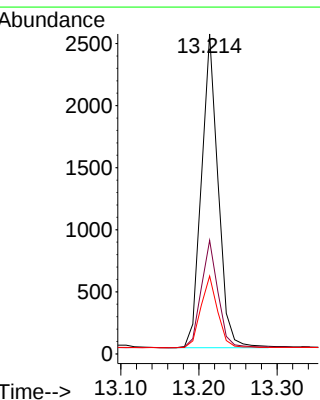
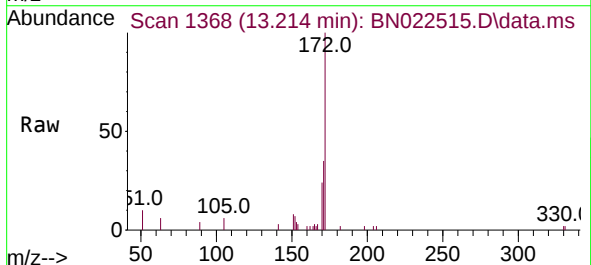
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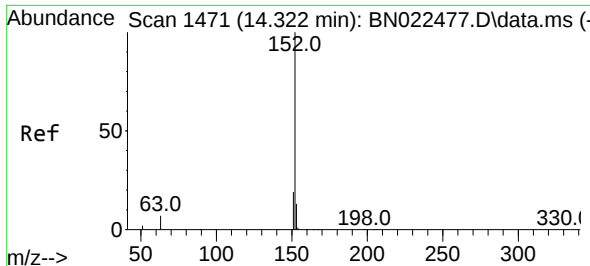
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :mohammad ahmed 11/08/2022



#15
2-Fluorobiphenyl
Concen: 0.115 ng
RT: 13.214 min Scan# 1368
Delta R.T. -0.007 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

Tgt Ion:172 Resp: 3748
Ion Ratio Lower Upper
172 100
171 35.5 27.9 41.9
170 24.3 19.2 28.8





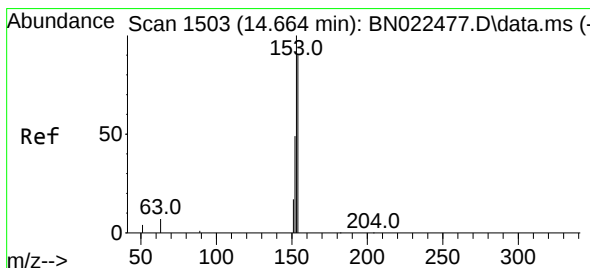
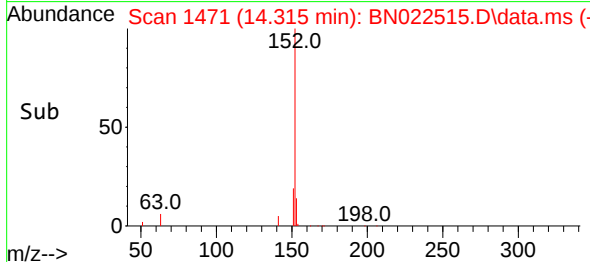
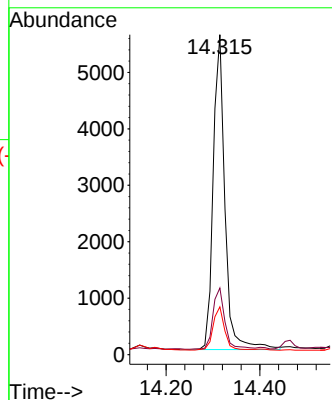
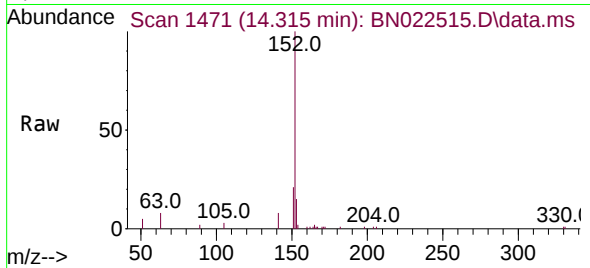
#16
Acenaphthylene
Concen: 0.244 ng
RT: 14.315 min Scan# 1471
Delta R.T. -0.007 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

Instrument :
BNA_N
ClientSampleId :
S-6-103122DL

Tgt Ion:152 Resp: 9685
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.4 10.3 15.5

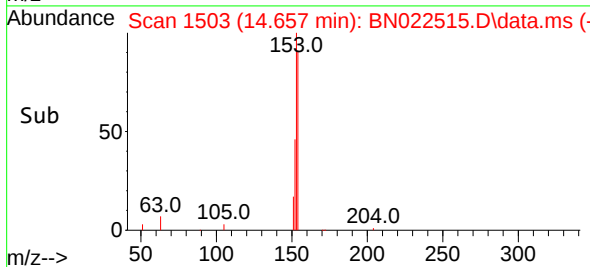
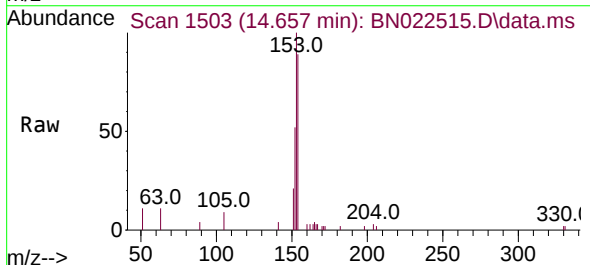
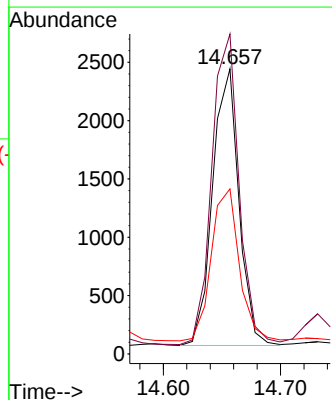
Manual Integrations
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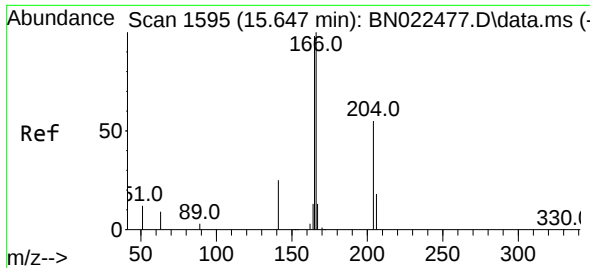
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :mohammad ahmed 11/08/2022



#17
Acenaphthene
Concen: 0.144 ng
RT: 14.657 min Scan# 1503
Delta R.T. -0.007 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

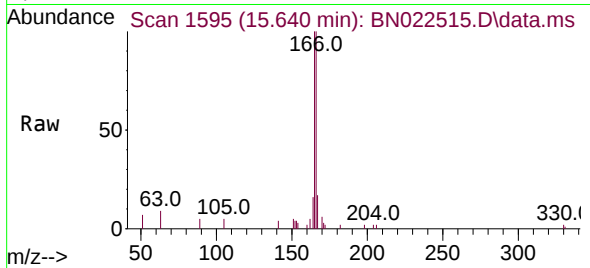
Tgt Ion:154 Resp: 3694
Ion Ratio Lower Upper
154 100
153 116.2 91.8 137.8
152 58.4 45.7 68.5





#18
Fluorene
Concen: 0.125 ng
RT: 15.640 min Scan# 1595
Delta R.T. -0.007 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

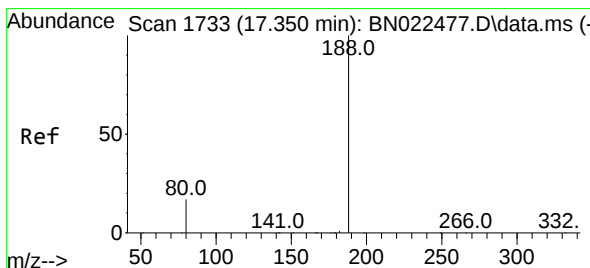
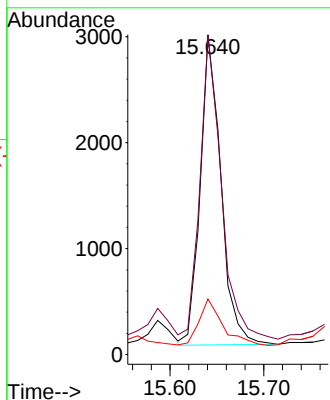
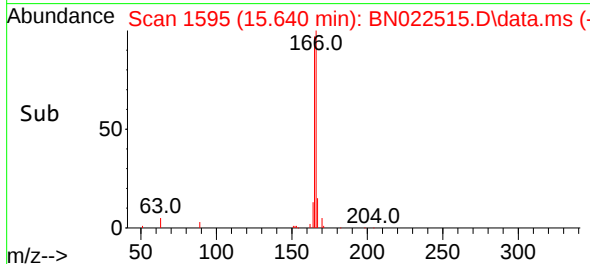
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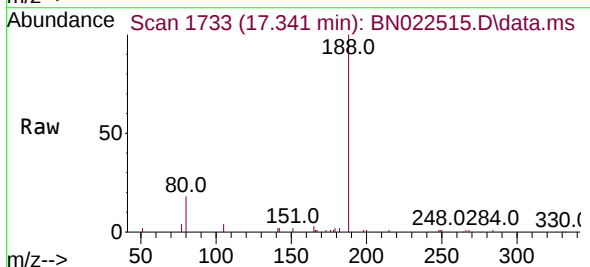
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Ion Ratio Lower Upper
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165 101.2 78.7 118.1
167 17.1 10.2 15.2

Manual Integrations
APPROVED

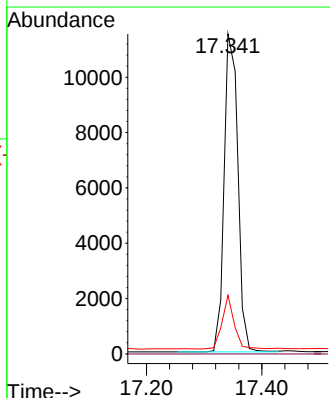
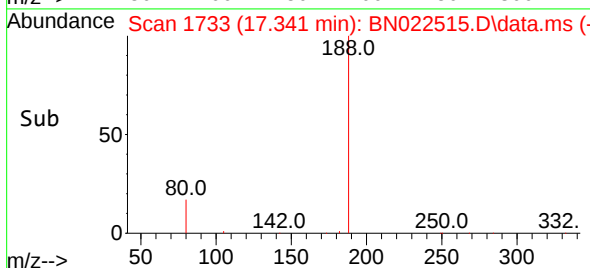
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :mohammad ahmed 11/08/2022

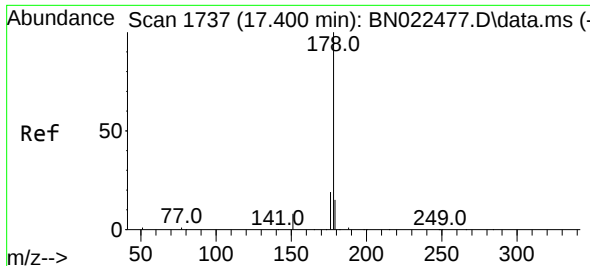


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.341 min Scan# 1733
Delta R.T. -0.009 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38



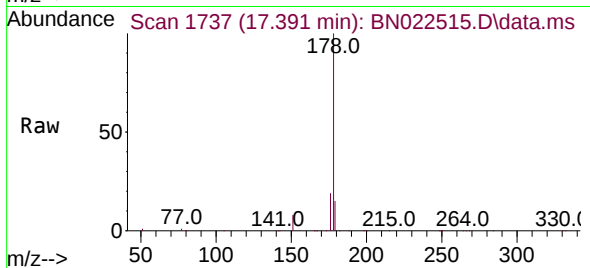
Tgt Ion:188 Resp: 18928
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 18.3 14.6 21.8





#25
Phenanthrene
Concen: 2.335 ng
RT: 17.391 min Scan# 1737
Delta R.T. -0.009 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

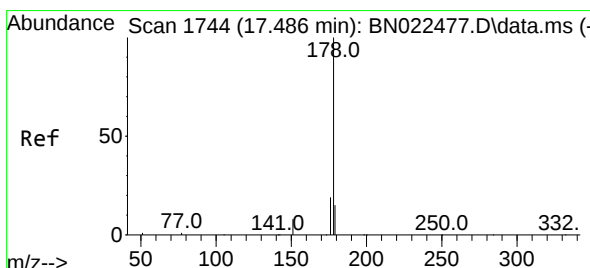
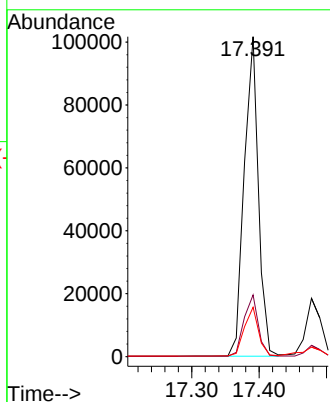
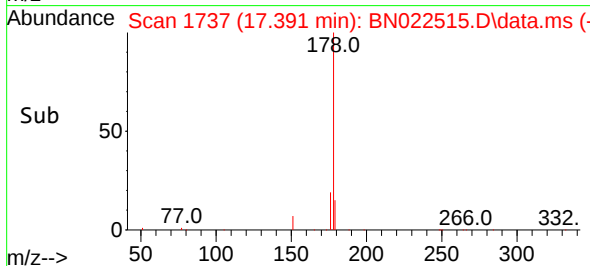
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL



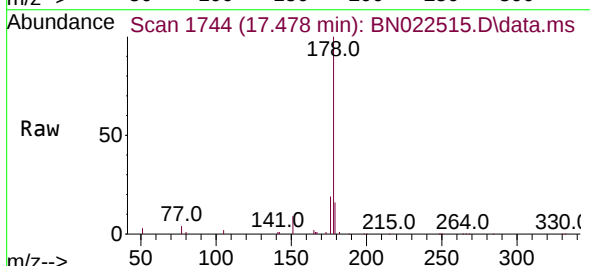
Tgt Ion:178 Resp: 147696
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.4 12.2 18.4

Manual Integrations
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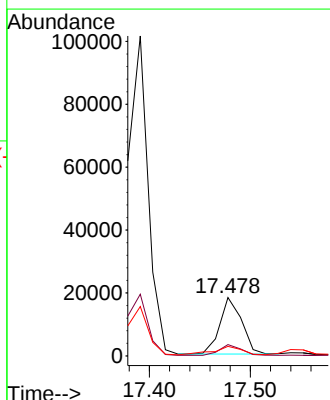
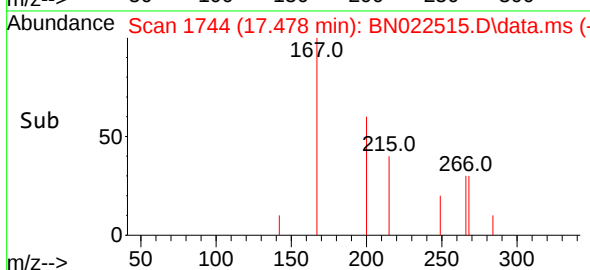
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :mohammad ahmed 11/08/2022

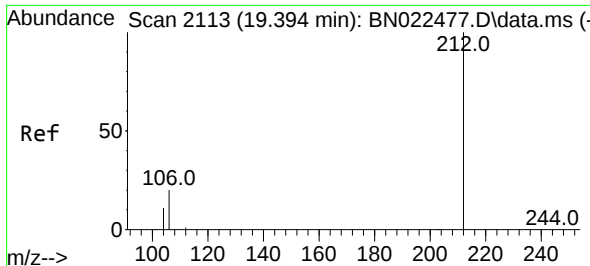


#26
Anthracene
Concen: 0.487 ng
RT: 17.478 min Scan# 1744
Delta R.T. -0.009 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38



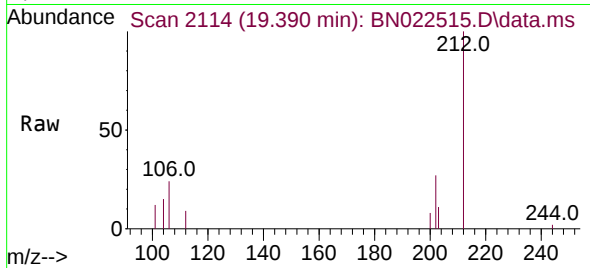
Tgt Ion:178 Resp: 27104
Ion Ratio Lower Upper
178 100
176 19.3 14.8 22.2
179 19.2 12.2 18.2#





#27
Fluoranthene-d10
Concen: 0.087 ng
RT: 19.390 min Scan# 2113
Delta R.T. -0.004 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

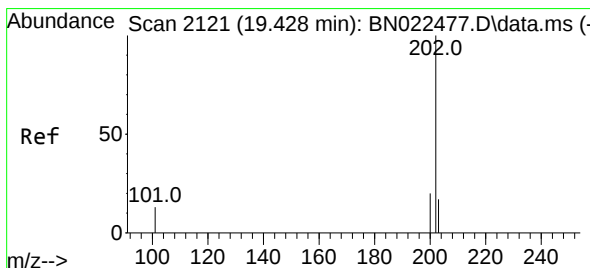
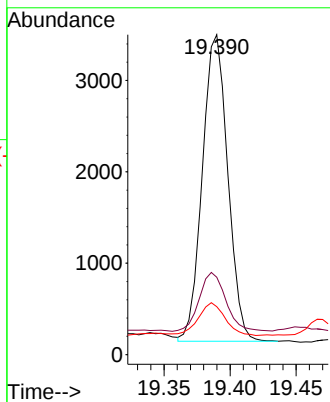
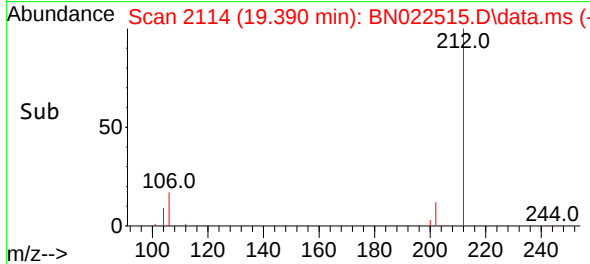
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL



Tgt Ion:212 Resp: 4491
Ion Ratio Lower Upper
212 100
106 20.1 15.2 22.8
104 11.4 8.6 12.8

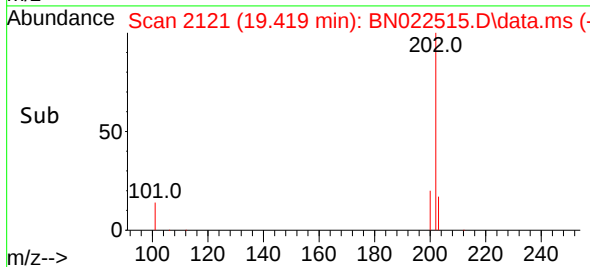
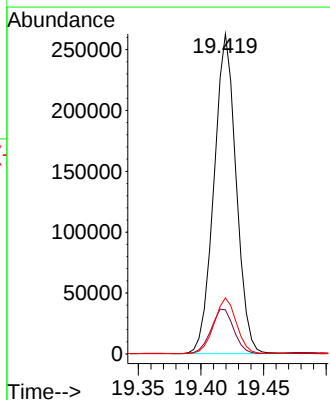
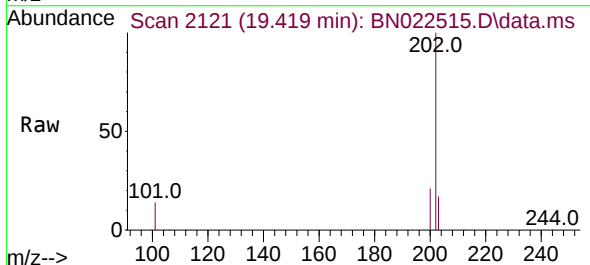
Manual Integrations
APPROVED

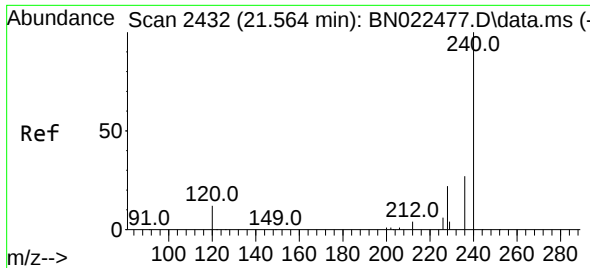
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :mohammad ahmed 11/08/2022



#28
Fluoranthene
Concen: 4.756 ng
RT: 19.419 min Scan# 2121
Delta R.T. -0.009 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

Tgt Ion:202 Resp: 324262
Ion Ratio Lower Upper
202 100
101 14.3 11.2 16.8
203 17.4 13.6 20.4





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

Instrument :

BNA_N

ClientSampleId :

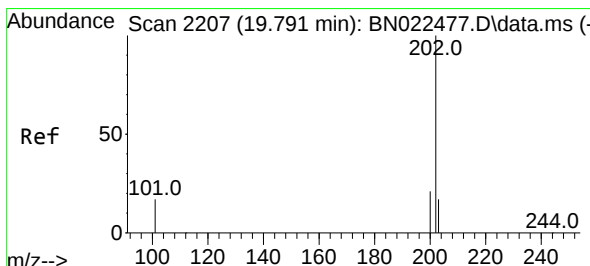
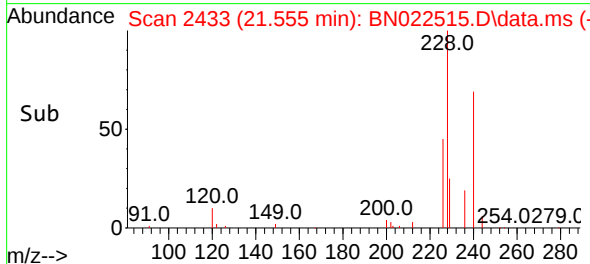
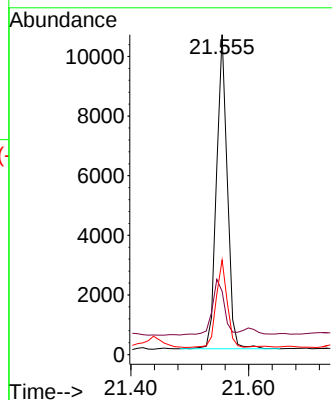
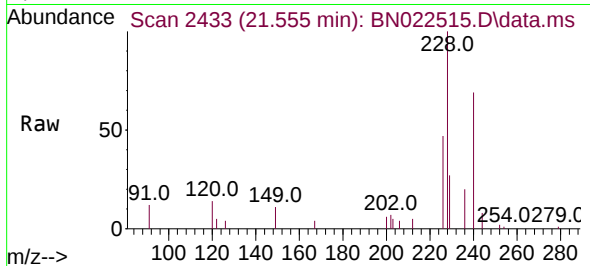
S-6-103122DL

Tgt Ion:240 Resp: 13412
Ion Ratio Lower Upper
240 100
120 19.8 12.4 18.6
236 29.6 22.7 34.1

Manual Integrations

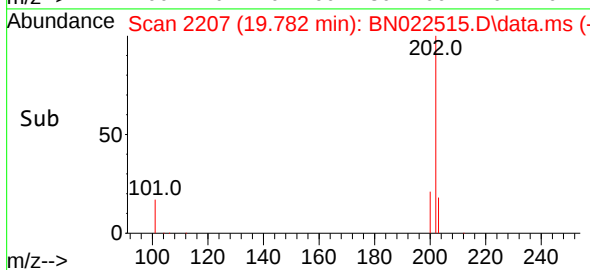
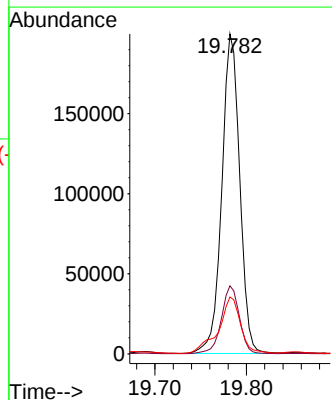
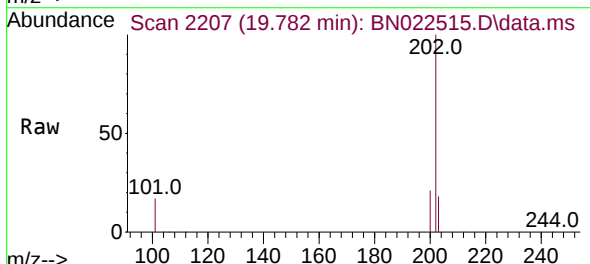
APPROVED

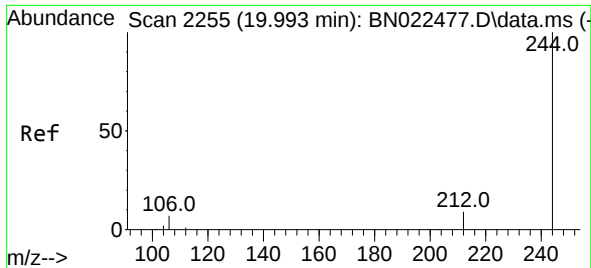
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :mohammad ahmed 11/08/2022



#30
Pyrene
Concen: 4.702 ng
RT: 19.782 min Scan# 2207
Delta R.T. -0.009 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

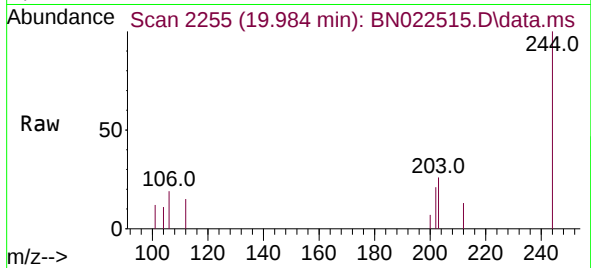
Tgt Ion:202 Resp: 272278
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 21.5 14.3 21.5#





#31
 Terphenyl-d14
 Concen: 0.088 ng
 RT: 19.984 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN022515.D
 Acq: 04 Nov 2022 19:38

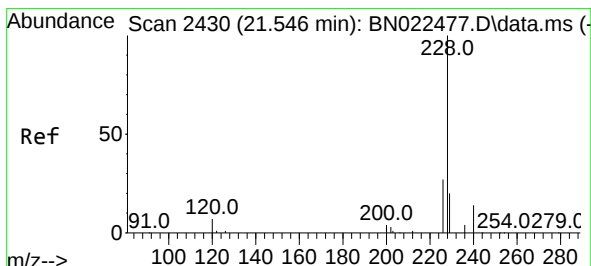
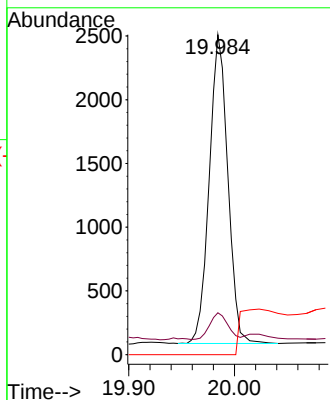
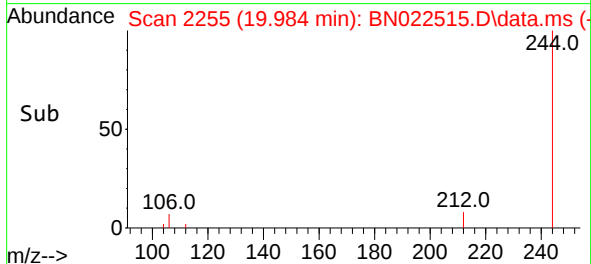
Instrument :
 BNA_N
 ClientSampleId :
 S-6-103122DL



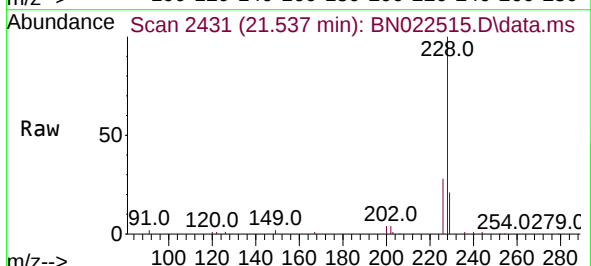
Tgt Ion:244 Resp: 3670
 Ion Ratio Lower Upper
 244 100
 212 13.1 7.8 11.8
 122 0.0 0.0 0.0

Manual Integrations
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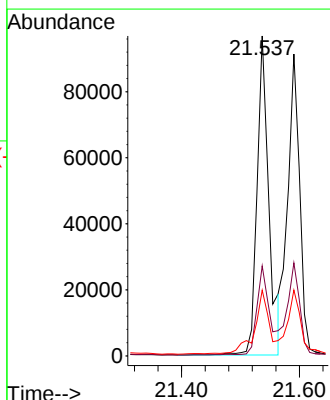
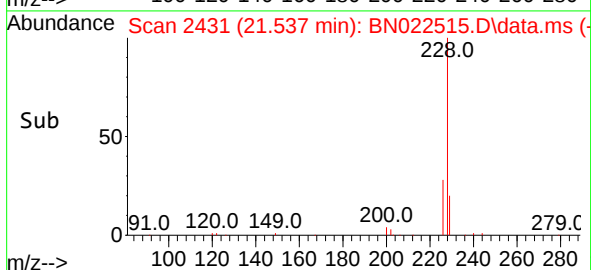
Reviewed By :Christian Giraldo 11/05/2022
 Supervised By :mohammad ahmed 11/08/2022

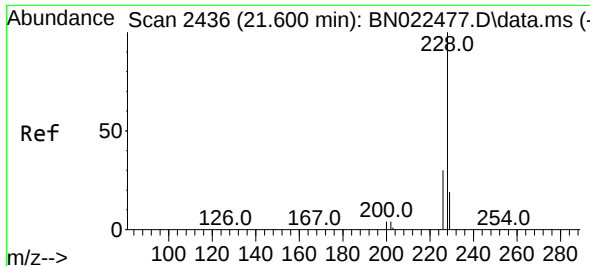


#32
 Benzo(a)anthracene
 Concen: 2.478 ng
 RT: 21.537 min Scan# 2431
 Delta R.T. -0.009 min
 Lab File: BN022515.D
 Acq: 04 Nov 2022 19:38



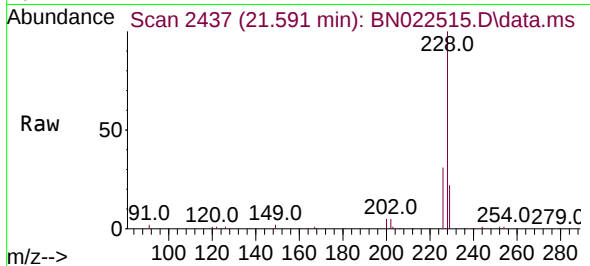
Tgt Ion:228 Resp: 133635
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.1 33.1
 229 20.6 16.4 24.6





#33
Chrysene
Concen: 2.408 ng
RT: 21.591 min Scan# 2436
Delta R.T. -0.009 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

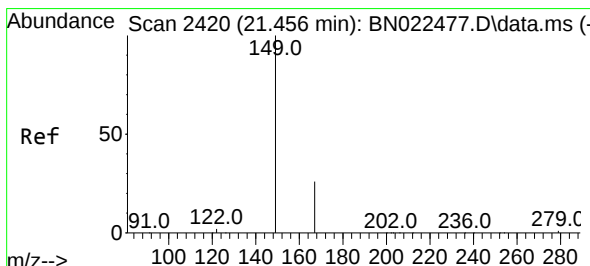
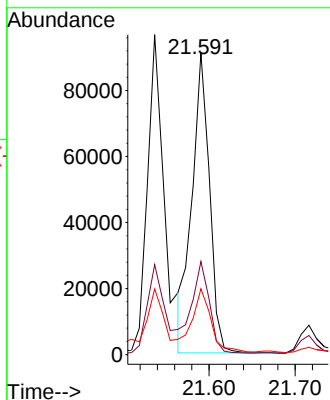
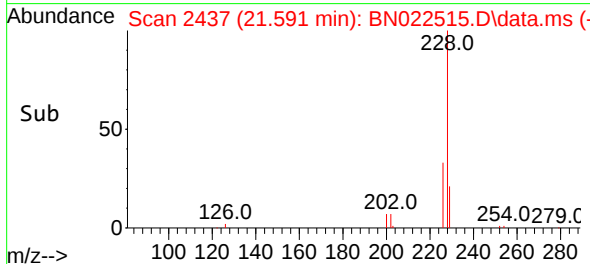
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL



Tgt Ion:228 Resp: 128605
Ion Ratio Lower Upper
228 100
226 30.8 24.1 36.1
229 21.8 15.9 23.9

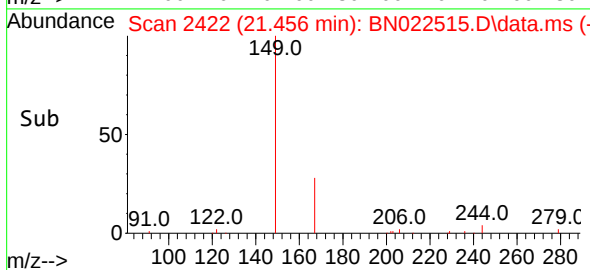
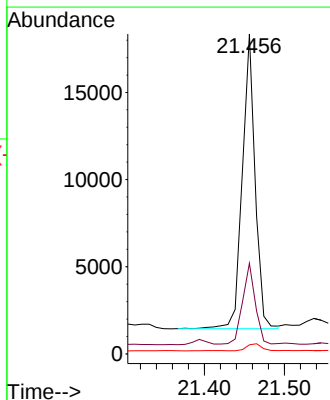
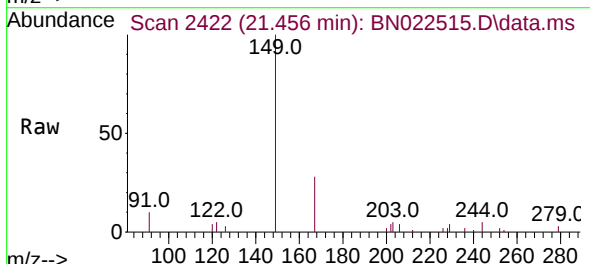
Manual Integrations
APPROVED

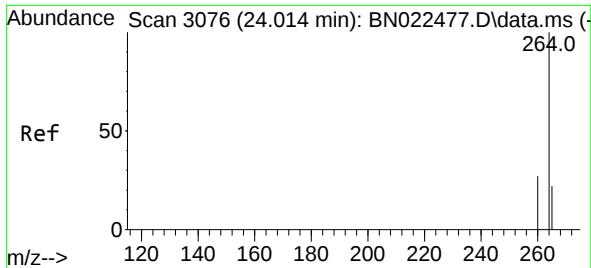
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :mohammad ahmed 11/08/2022



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.415 ng
RT: 21.456 min Scan# 2422
Delta R.T. -0.000 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

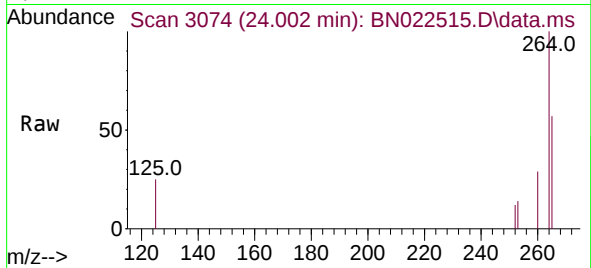
Tgt Ion:149 Resp: 18865
Ion Ratio Lower Upper
149 100
167 27.1 21.3 31.9
279 2.8 2.7 4.1





#35
Perylene-d12
Concen: 0.400 ng
RT: 24.002 min Scan# 3074
Delta R.T. -0.012 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

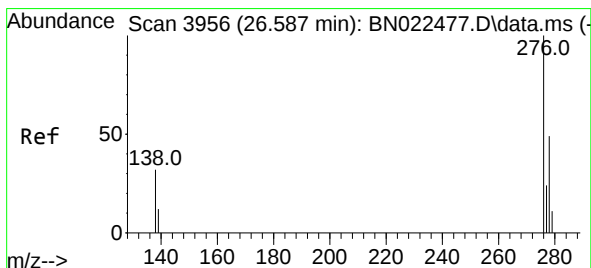
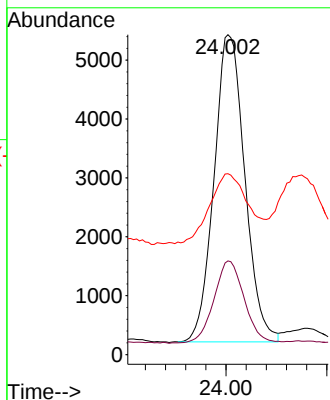
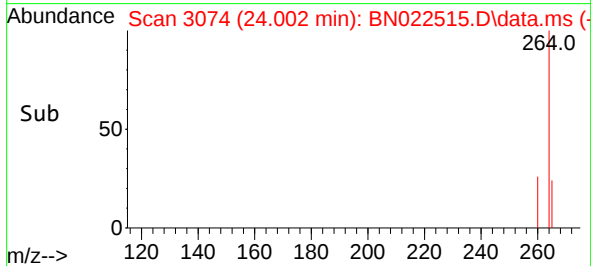
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL



Tgt Ion:264 Resp: 11068
Ion Ratio Lower Upper
264 100
260 29.3 22.4 33.6
265 56.6 44.4 66.6

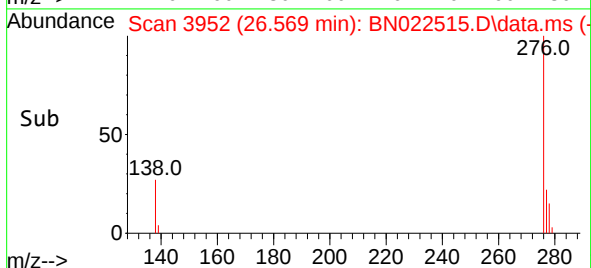
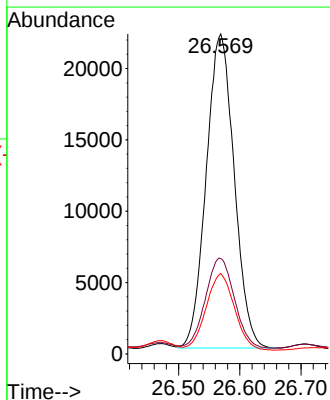
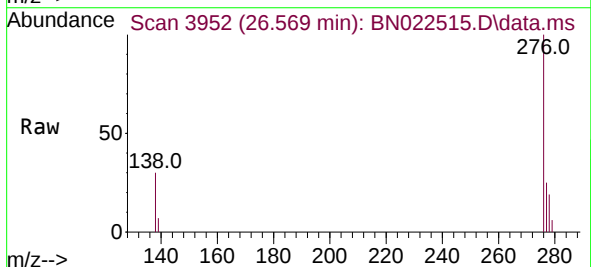
Manual Integrations
APPROVED

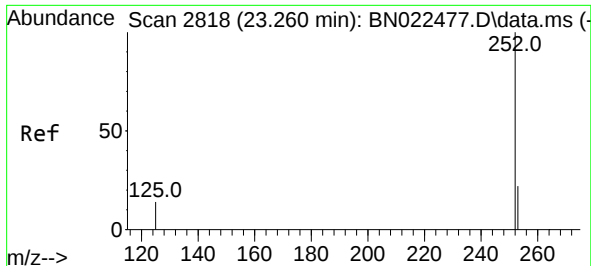
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :mohammad ahmed 11/08/2022



#36
Indeno(1,2,3-cd)pyrene
Concen: 1.312 ng
RT: 26.569 min Scan# 3952
Delta R.T. -0.018 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

Tgt Ion:276 Resp: 69907
Ion Ratio Lower Upper
276 100
138 29.6 27.5 41.3
277 24.7 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 3.573 ng

RT: 23.253 min Scan# 2818

Delta R.T. -0.006 min

Lab File: BN022515.D

Acq: 04 Nov 2022 19:38

Instrument :

BNA_N

ClientSampleId :

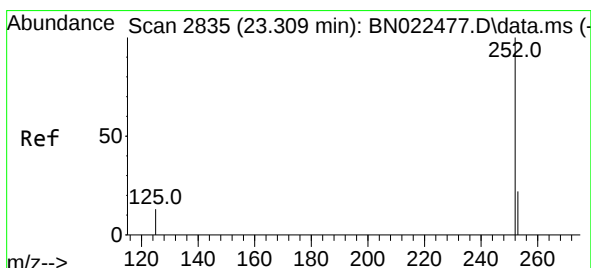
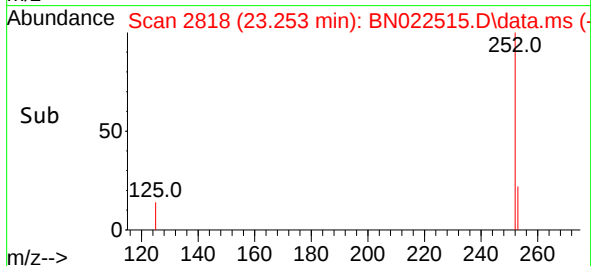
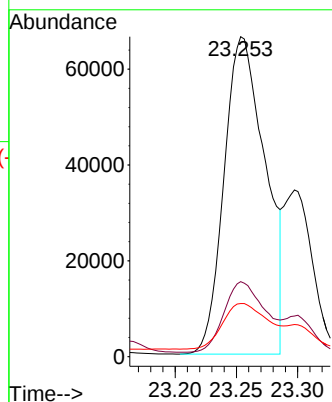
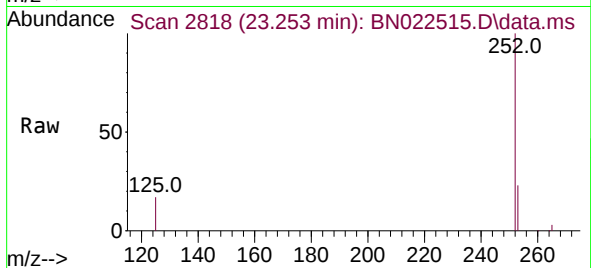
S-6-103122DL

Tgt Ion:	252	Resp:	15551
Ion Ratio	Lower	Upper	
252	100		
253	23.4	21.1	31.7
125	16.6	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/05/2022
Supervised By :mohammad ahmed 11/08/2022



#38

Benzo(k)fluoranthene

Concen: 1.272 ng m

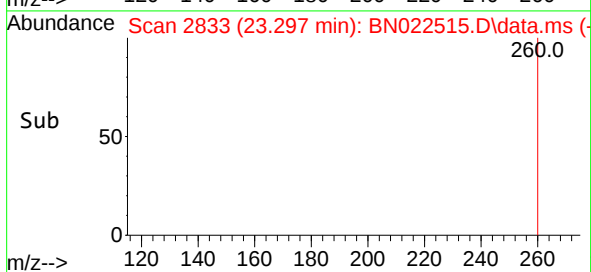
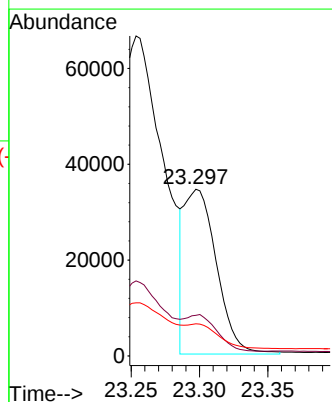
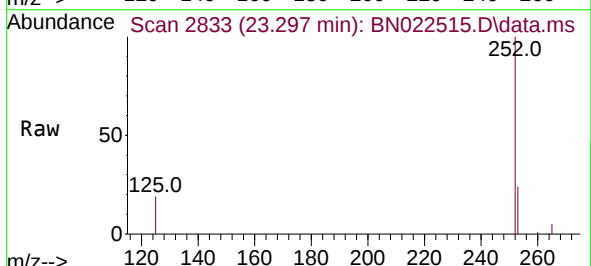
RT: 23.297 min Scan# 2833

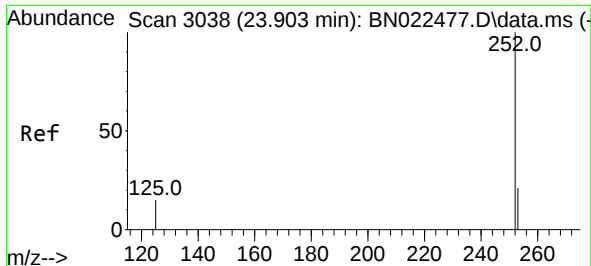
Delta R.T. -0.012 min

Lab File: BN022515.D

Acq: 04 Nov 2022 19:38

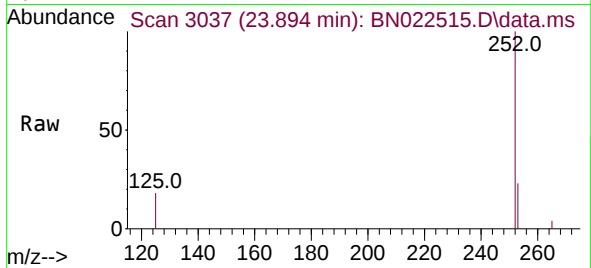
Tgt Ion:	252	Resp:	56452
Ion Ratio	Lower	Upper	
252	100		
253	24.3	20.9	31.3
125	19.2	16.1	24.1





#39
Benzo(a)pyrene
Concen: 2.739 ng m
RT: 23.894 min Scan# 3038
Delta R.T. -0.009 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

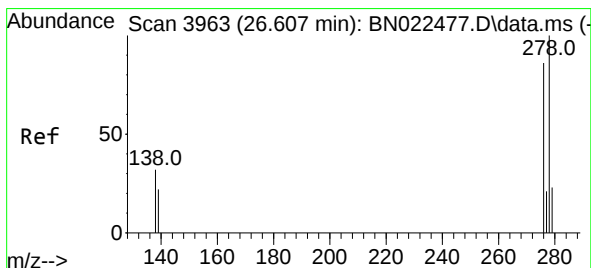
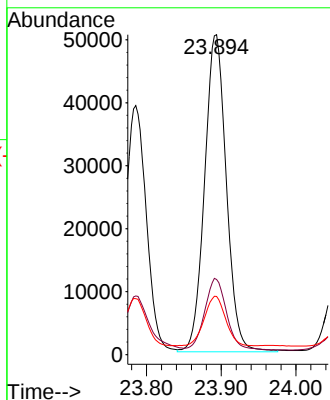
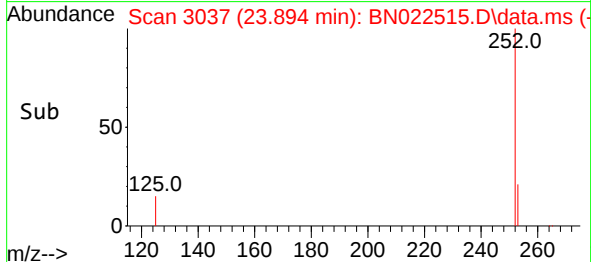
Instrument :
BNA_N
ClientSampleId :
S-6-103122DL



Tgt Ion:252 Resp: 102084
Ion Ratio Lower Upper
252 100
253 23.5 22.0 33.0
125 18.2 19.8 29.8

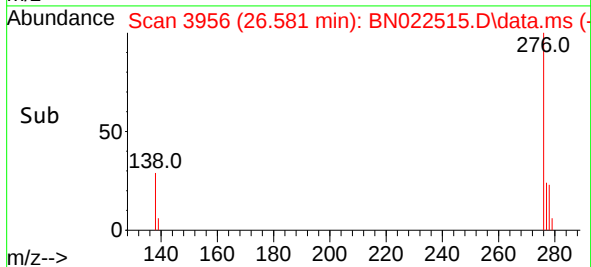
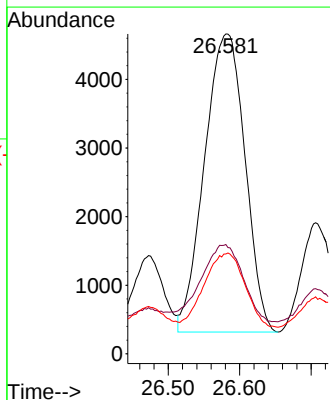
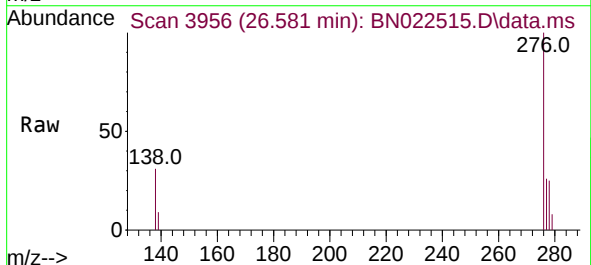
Manual Integrations
APPROVED

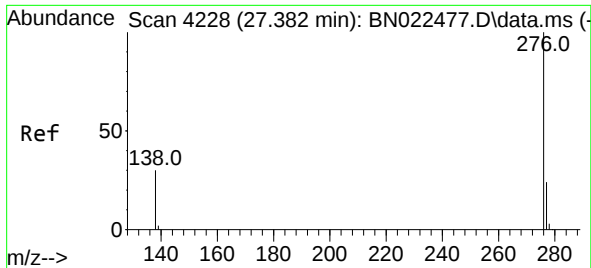
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :mohammad ahmed 11/08/2022



#40
Dibenzo(a,h)anthracene
Concen: 0.404 ng
RT: 26.581 min Scan# 3956
Delta R.T. -0.027 min
Lab File: BN022515.D
Acq: 04 Nov 2022 19:38

Tgt Ion:278 Resp: 17113
Ion Ratio Lower Upper
278 100
139 34.2 21.8 32.6
279 31.2 21.5 32.3





#41

Benzo(g,h,i)perylene

Concen: 1.540 ng

RT: 27.361 min Scan# 41

Delta R.T. -0.021 min

Lab File: BN022515.D

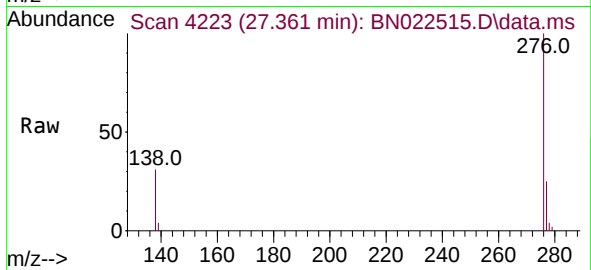
Acq: 04 Nov 2022 19:38

Instrument :

BNA_N

ClientSampleId :

S-6-103122DL



Tgt Ion:276 Resp: 69335

Ion Ratio Lower Upper

276 100

277 24.6 21.0 31.4

138 30.7 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/05/2022
Supervised By :mohammad ahmed 11/08/2022

