

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
 Data File : BN022513.D
 Acq On : 04 Nov 2022 18:21
 Operator : CG/JU
 Sample : N5395-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-1-103122DL

Manual Integrations
 APPROVED

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

Quant Time: Nov 05 01:58:15 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	3958	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	13334	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	8275	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	17744	0.400	ng	# 0.00
29) Chrysene-d12	21.564	240	14981	0.400	ng	0.00
35) Perylene-d12	24.014	264	13601	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.443	112	528	0.047	ng	0.00
5) Phenol-d6	7.083	99	902	0.064	ng	0.00
8) Nitrobenzene-d5	9.097	82	575m	0.048	ng	-0.01
11) 2-Methylnaphthalene-d10	12.342	152	894	0.040	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	110	0.025	ng	0.00
15) 2-Fluorobiphenyl	13.220	172	1497	0.043	ng	0.00
27) Fluoranthene-d10	19.394	212	1946	0.040	ng	0.00
31) Terphenyl-d14	19.993	244	1803	0.039	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.795	128	1852	0.046	ng	# 89
16) Acenaphthylene	14.311	152	13653	0.325	ng	100
17) Acenaphthene	14.653	154	2144	0.079	ng	96
18) Fluorene	15.647	166	15211	0.401	ng	99
25) Phenanthrene	17.387	178	199404	3.362	ng	100
26) Anthracene	17.486	178	65331	1.252	ng	100
28) Fluoranthene	19.424	202	200343	3.135	ng	99
30) Pyrene	19.786	202	139640	2.159	ng	99
32) Benzo(a)anthracene	21.546	228	62583	1.039	ng	97
33) Chrysene	21.600	228	55079m	0.923	ng	
34) Bis(2-ethylhexyl)phtha...	21.465	149	1568	0.031	ng	97
36) Indeno(1,2,3-cd)pyrene	26.584	276	23386	0.357	ng	94
37) Benzo(b)fluoranthene	23.262	252	55815	1.044	ng	# 93
38) Benzo(k)fluoranthene	23.306	252	21669m	0.397	ng	
39) Benzo(a)pyrene	23.903	252	43337m	0.946	ng	
40) Dibenzo(a,h)anthracene	26.598	278	5686	0.109	ng	# 82
41) Benzo(g,h,i)perylene	27.379	276	19829	0.358	ng	97

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

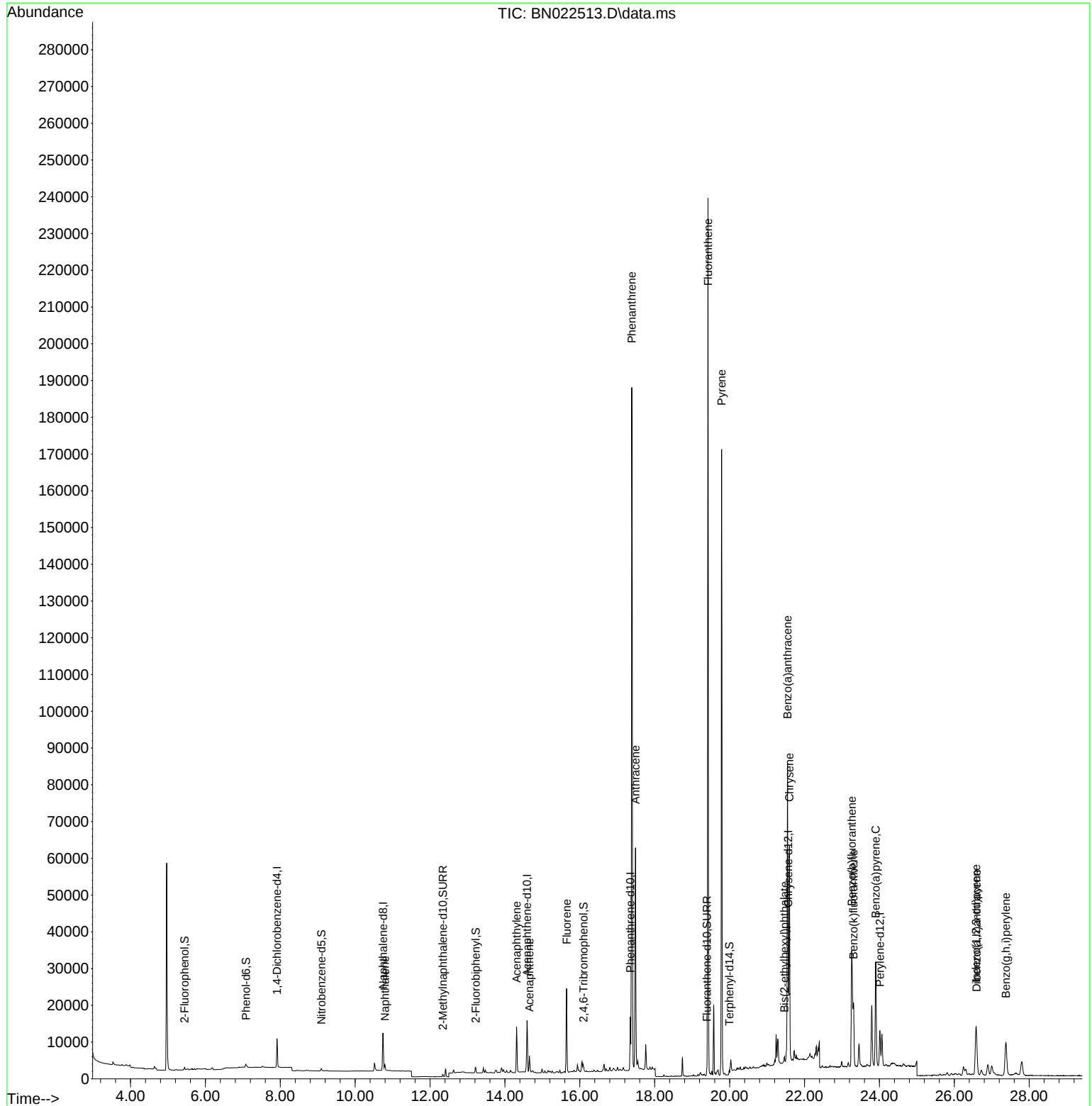
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
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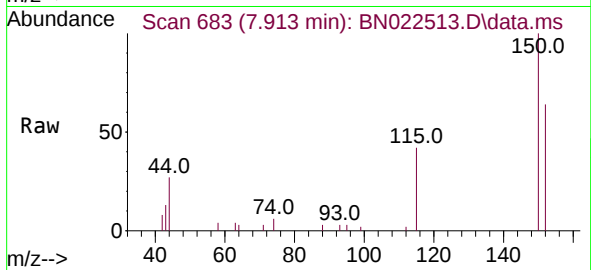
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.913 min Scan# 684
Delta R.T. -0.007 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

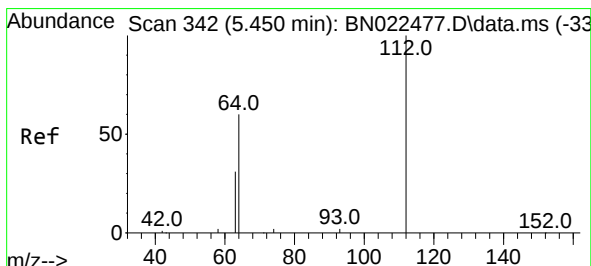
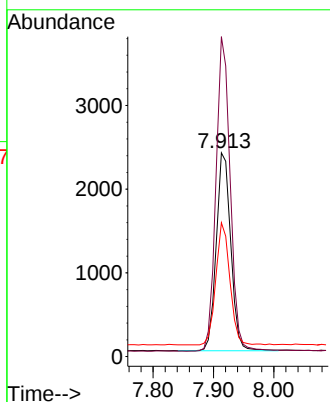
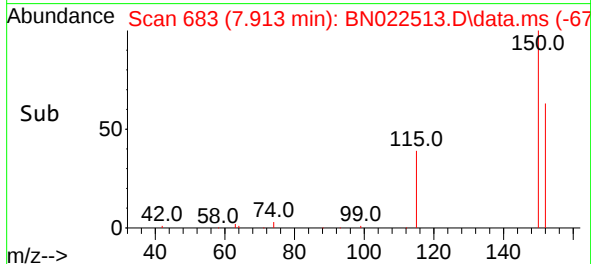
Instrument :
BNA_N
ClientSampleId :
S-1-103122DL



Tgt Ion:152 Resp: 3958
Ion Ratio Lower Upper
152 100
150 157.0 123.4 185.2
115 65.6 54.9 82.3

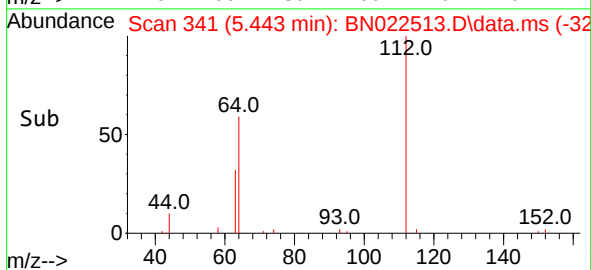
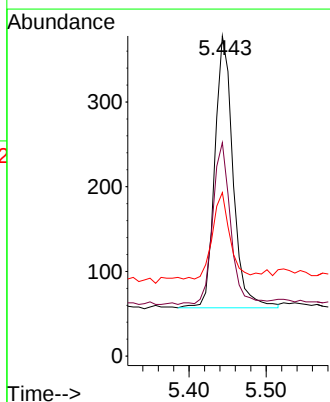
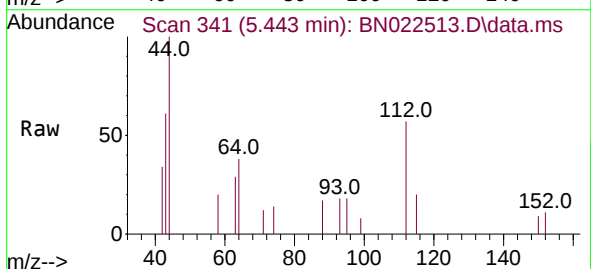
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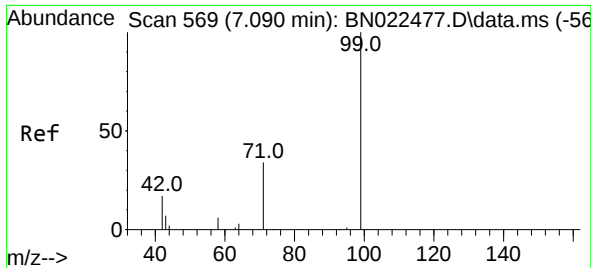
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#4
2-Fluorophenol
Concen: 0.047 ng
RT: 5.443 min Scan# 341
Delta R.T. -0.007 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

Tgt Ion:112 Resp: 528
Ion Ratio Lower Upper
112 100
64 58.7 47.1 70.7
63 30.3 24.6 36.8





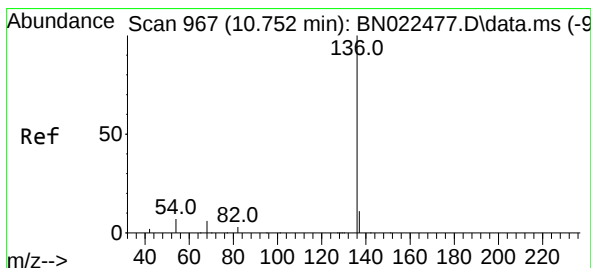
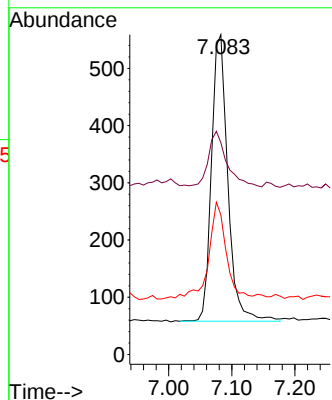
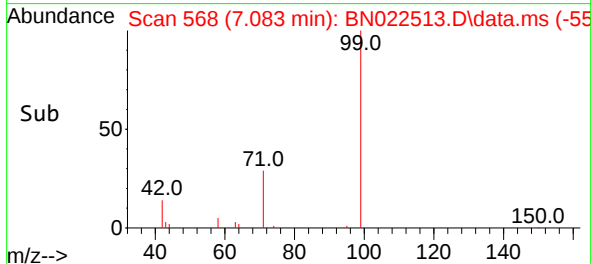
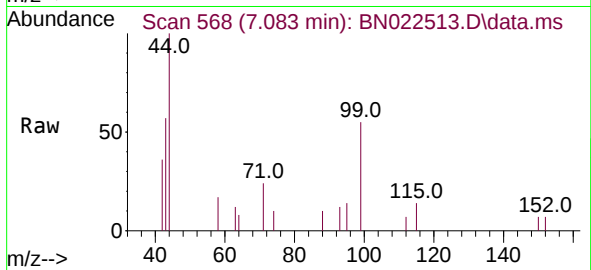
#5
Phenol-d6
Concen: 0.064 ng
RT: 7.083 min Scan# 569
Delta R.T. -0.007 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

Instrument :
BNA_N
ClientSampleId :
S-1-103122DL

Tgt Ion: 99 Resp: 902
Ion Ratio Lower Upper
99 100
42 21.7 14.7 22.1
71 34.4 27.0 40.6

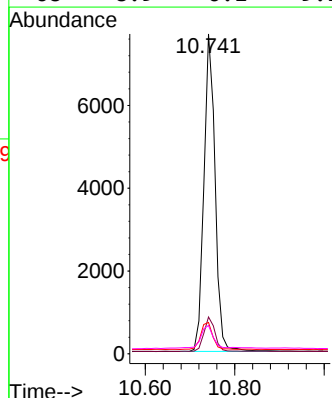
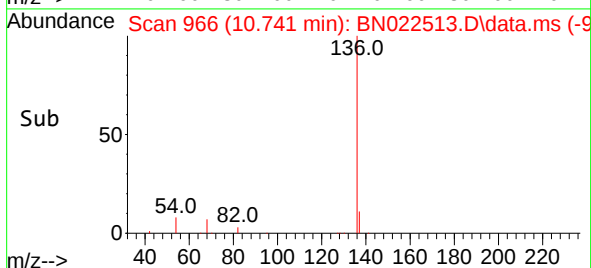
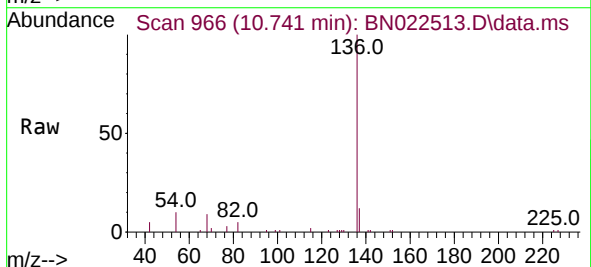
Manual Integrations
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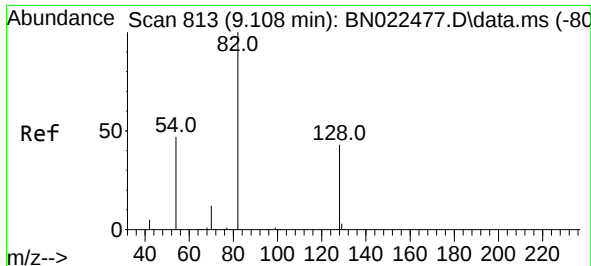
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 966
Delta R.T. -0.011 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

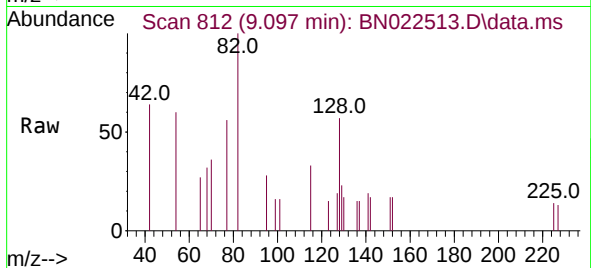
Tgt Ion:136 Resp: 13334
Ion Ratio Lower Upper
136 100
137 11.5 9.5 14.3
54 9.8 7.1 10.7
68 8.9 6.1 9.1





#8
Nitrobenzene-d5
Concen: 0.048 ng m
RT: 9.097 min Scan# 813
Delta R.T. -0.011 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

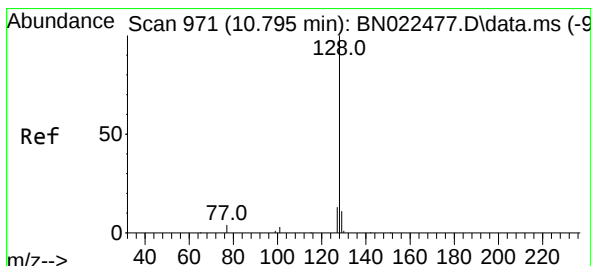
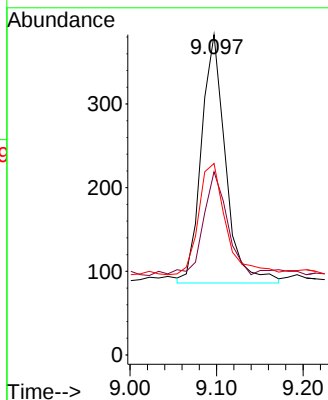
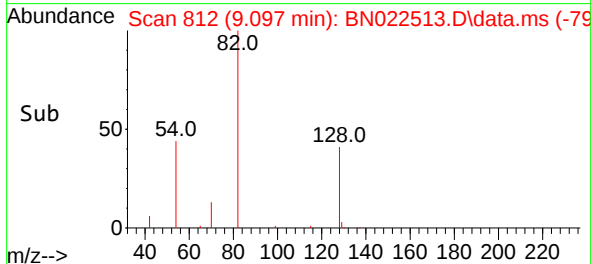
Instrument :
BNA_N
ClientSampleId :
S-1-103122DL



Tgt Ion: 82 Resp: 575
Ion Ratio Lower Upper
82 100
128 57.2 37.3 55.9#
54 59.8 40.0 60.0

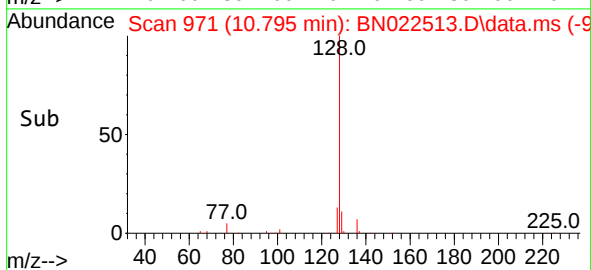
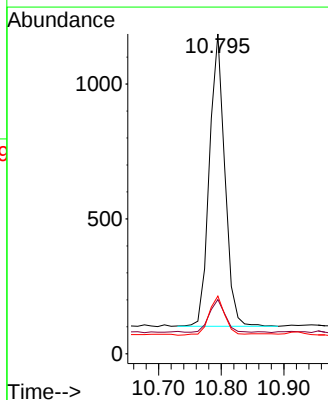
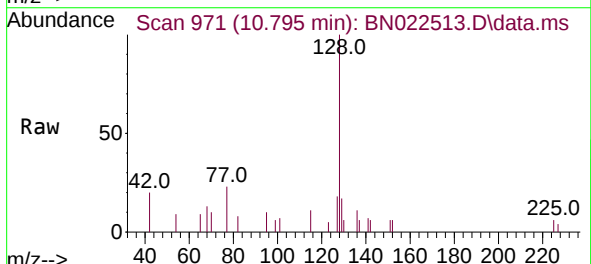
Manual Integrations
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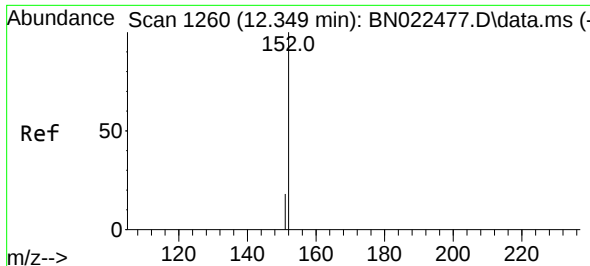
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#9
Naphthalene
Concen: 0.046 ng
RT: 10.795 min Scan# 971
Delta R.T. -0.000 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

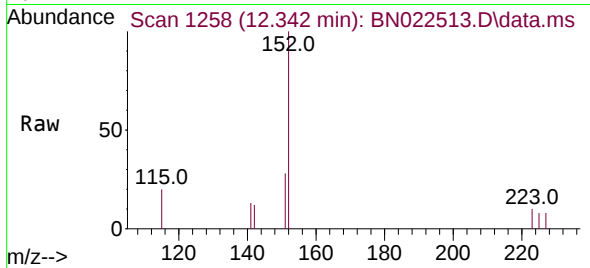
Tgt Ion:128 Resp: 1852
Ion Ratio Lower Upper
128 100
129 16.9 9.8 14.6#
127 18.0 11.4 17.2#





#11
2-Methylnaphthalene-d10
Concen: 0.040 ng
RT: 12.342 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

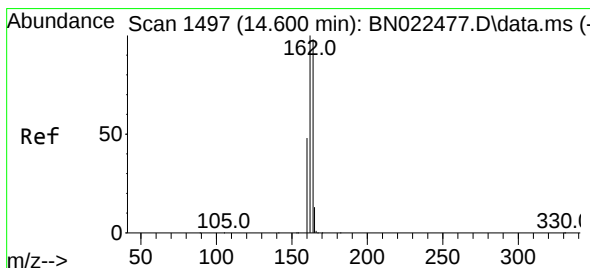
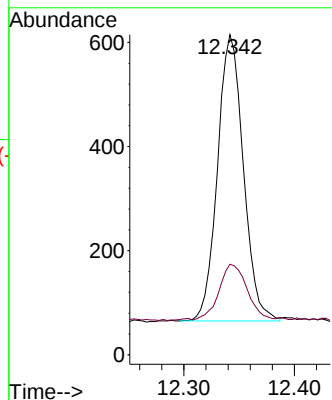
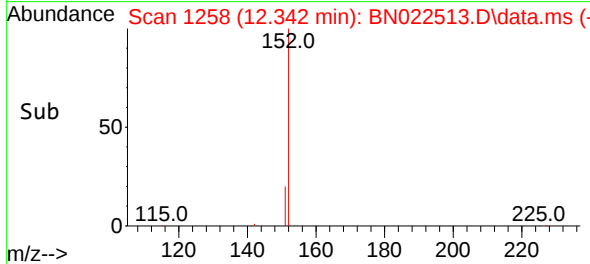
Instrument :
BNA_N
ClientSampleId :
S-1-103122DL



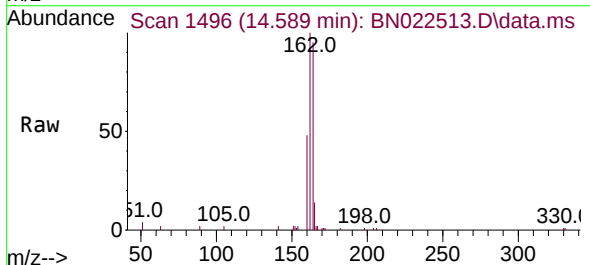
Tgt Ion:152 Resp: 894
Ion Ratio Lower Upper
152 100
151 21.0 16.6 25.0

Manual Integrations
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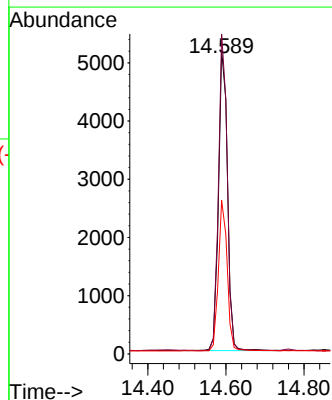
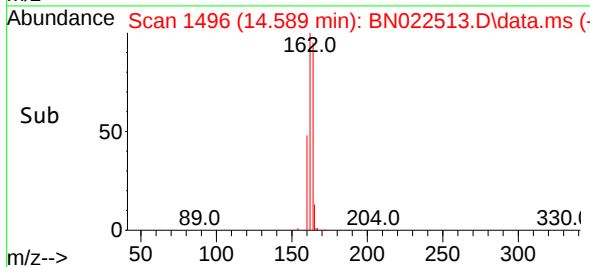
Reviewed By :Christian Giraldo 11/05/2022
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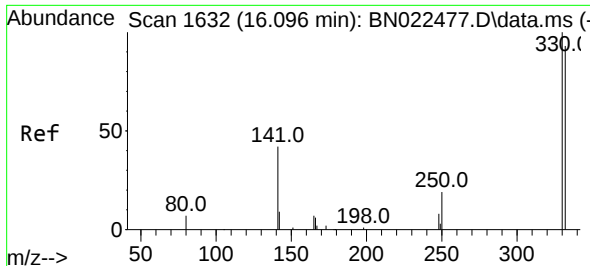


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21



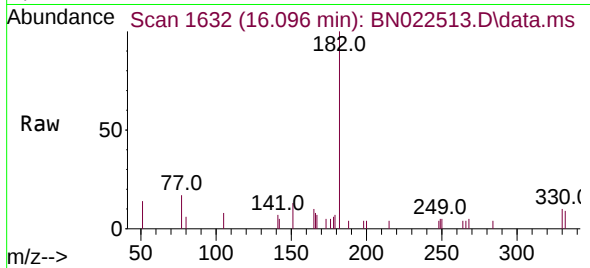
Tgt Ion:164 Resp: 8275
Ion Ratio Lower Upper
164 100
162 105.4 82.0 123.0
160 50.6 39.4 59.2





#14
2,4,6-Tribromophenol
Concen: 0.025 ng
RT: 16.096 min Scan# 1632
Delta R.T. -0.000 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

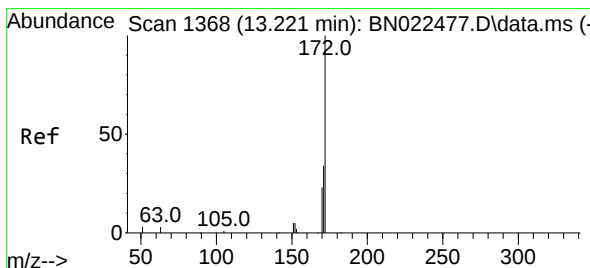
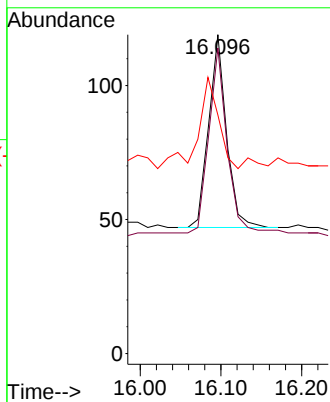
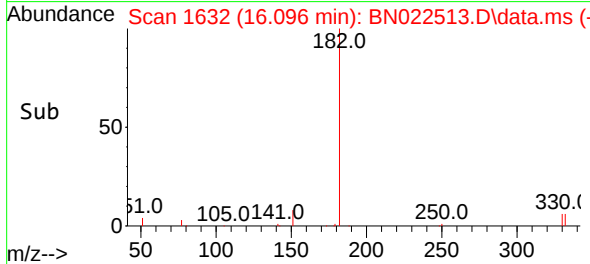
Instrument :
BNA_N
ClientSampleId :
S-1-103122DL



Tgt Ion: 330 Resp: 110
Ion Ratio Lower Upper
330 100
332 98.2 77.8 116.8
141 54.5 35.0 52.6

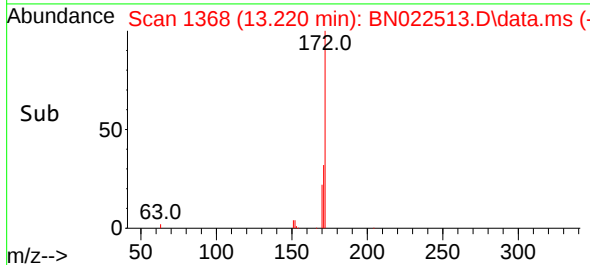
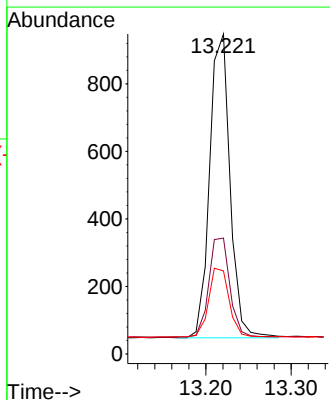
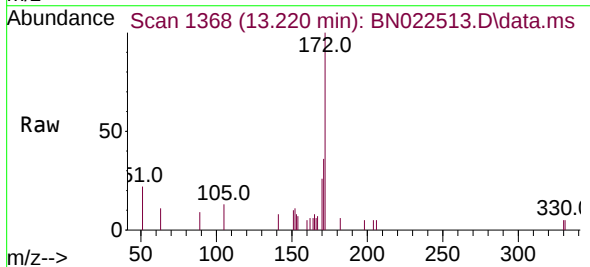
Manual Integrations
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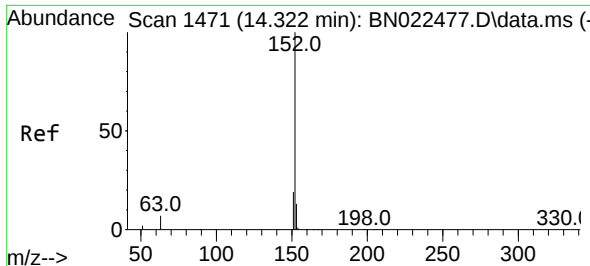
Reviewed By : Christian Giraldo 11/05/2022
Supervised By : Jagrut Upadhyay 11/07/2022



#15
2-Fluorobiphenyl
Concen: 0.043 ng
RT: 13.220 min Scan# 1368
Delta R.T. -0.000 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

Tgt Ion: 172 Resp: 1497
Ion Ratio Lower Upper
172 100
171 36.2 27.9 41.9
170 25.9 19.2 28.8





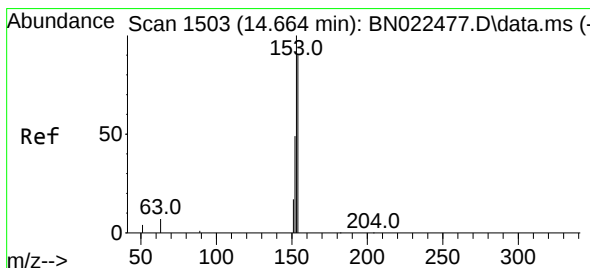
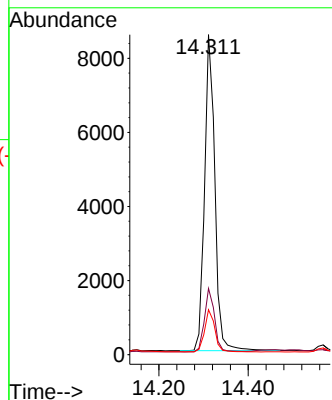
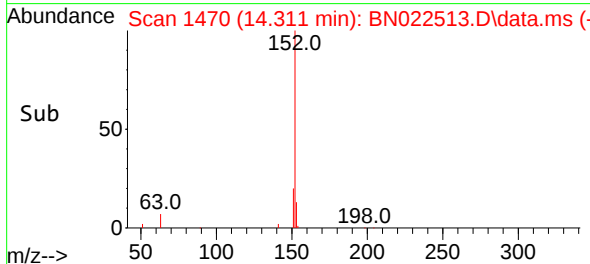
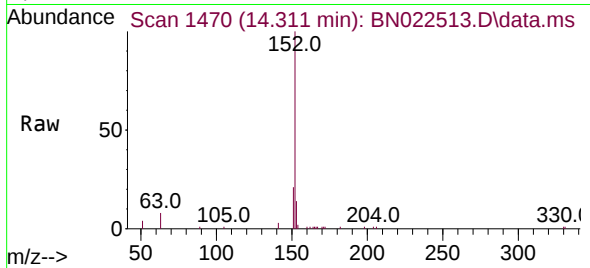
#16
Acenaphthylene
Concen: 0.325 ng
RT: 14.311 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

Instrument :
BNA_N
ClientSampleId :
S-1-103122DL

Tgt Ion:152 Resp: 13653
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.2 10.3 15.5

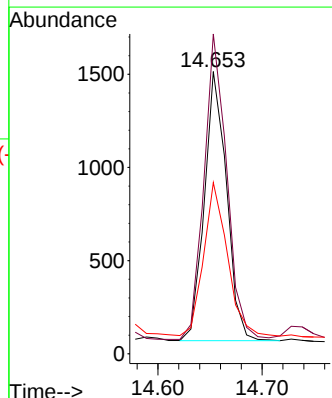
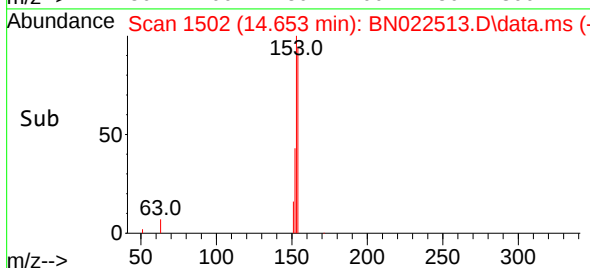
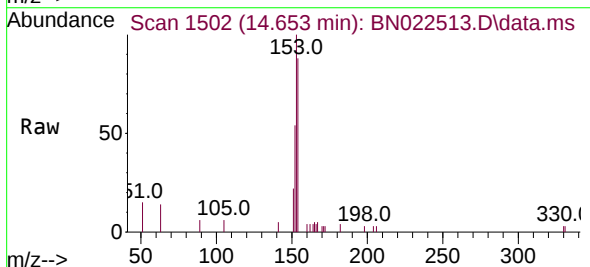
Manual Integrations
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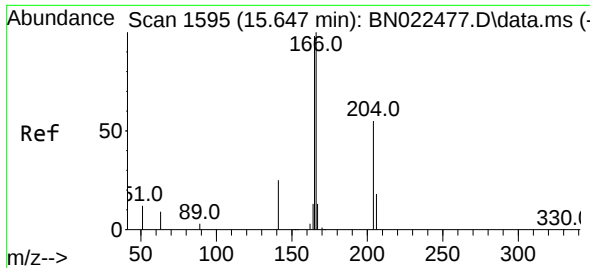
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#17
Acenaphthene
Concen: 0.079 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

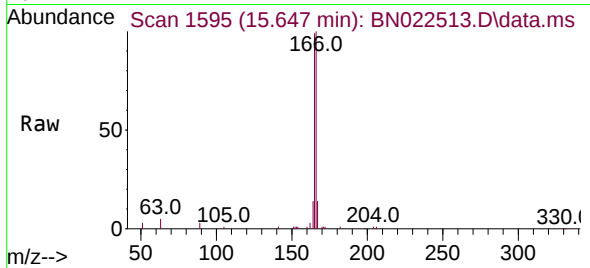
Tgt Ion:154 Resp: 2144
Ion Ratio Lower Upper
154 100
153 116.1 91.8 137.8
152 63.9 45.7 68.5





#18
Fluorene
Concen: 0.401 ng
RT: 15.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

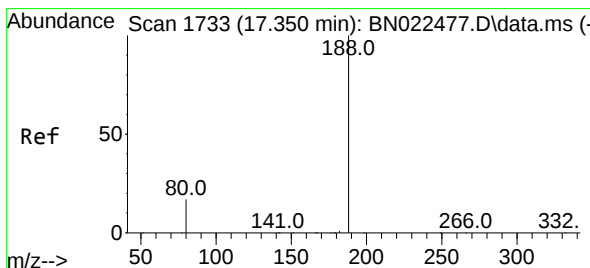
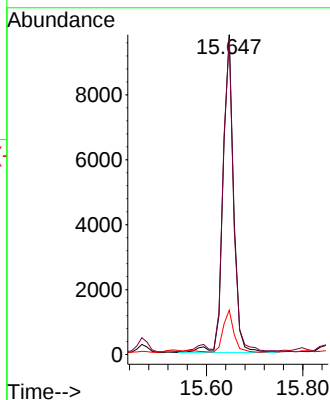
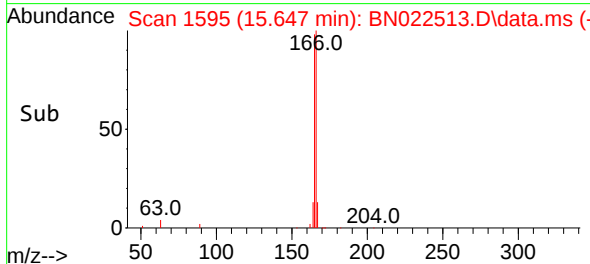
Instrument :
BNA_N
ClientSampleId :
S-1-103122DL



Tgt Ion:166 Resp: 1521
Ion Ratio Lower Upper
166 100
165 97.6 78.7 118.1
167 13.0 10.2 15.2

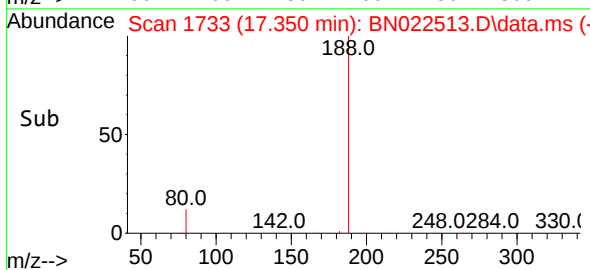
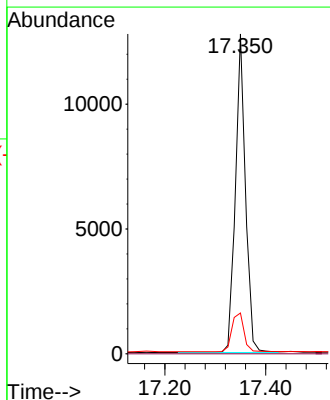
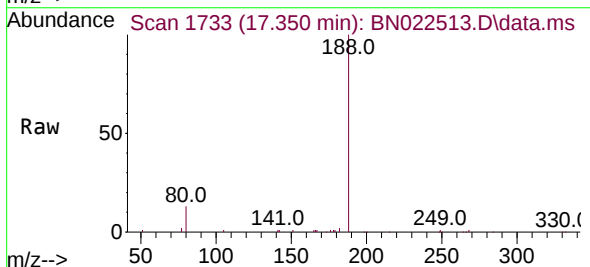
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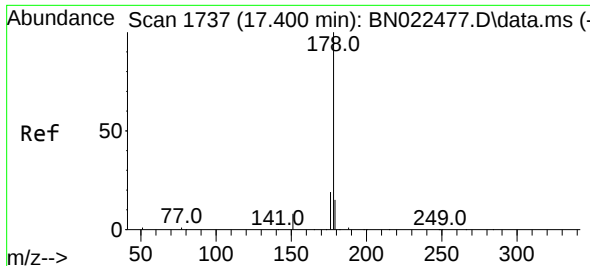
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

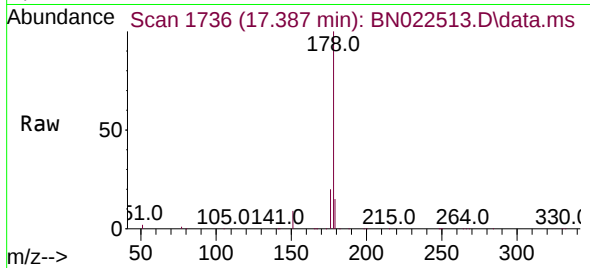
Tgt Ion:188 Resp: 17744
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.8 14.6 21.8#





#25
Phenanthrene
Concen: 3.362 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

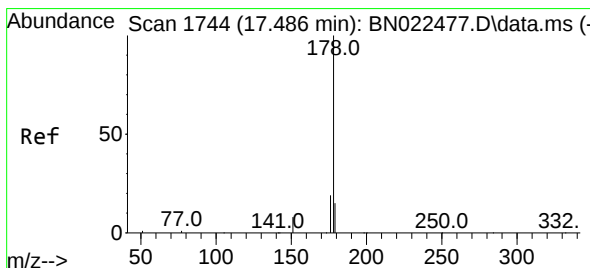
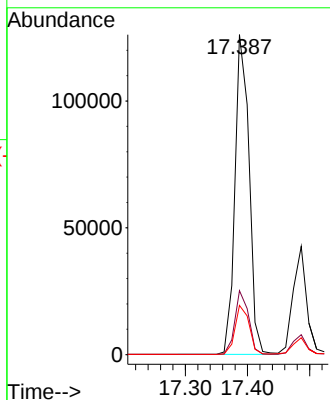
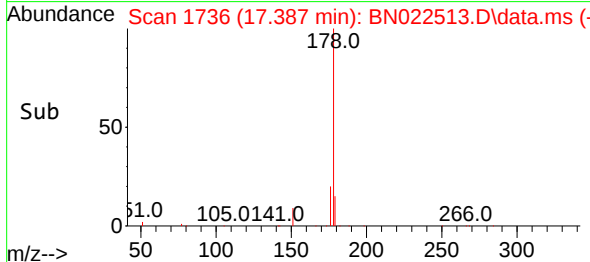
Instrument :
BNA_N
ClientSampleId :
S-1-103122DL



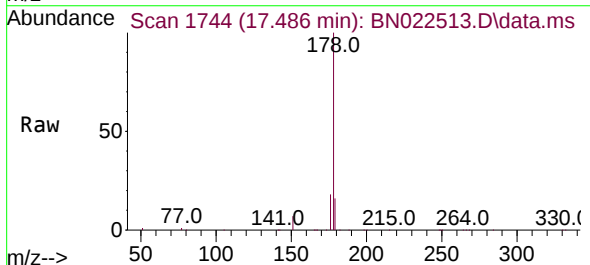
Tgt Ion:178 Resp: 199404
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.3 12.2 18.4

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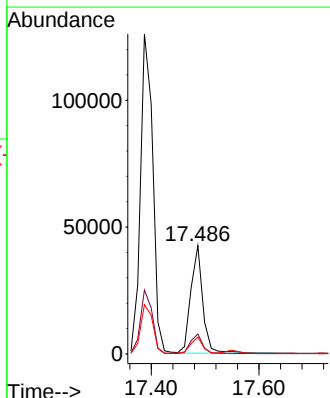
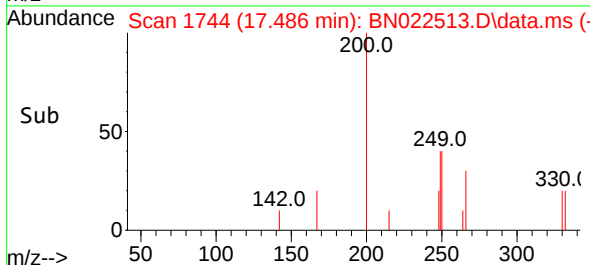
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

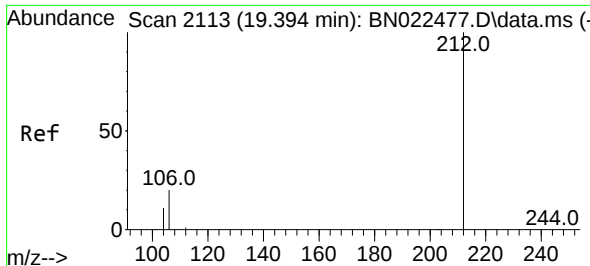


#26
Anthracene
Concen: 1.252 ng
RT: 17.486 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21



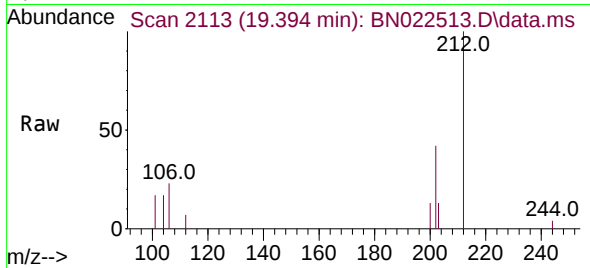
Tgt Ion:178 Resp: 65331
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 14.9 12.2 18.2





#27
Fluoranthene-d10
Concen: 0.040 ng
RT: 19.394 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

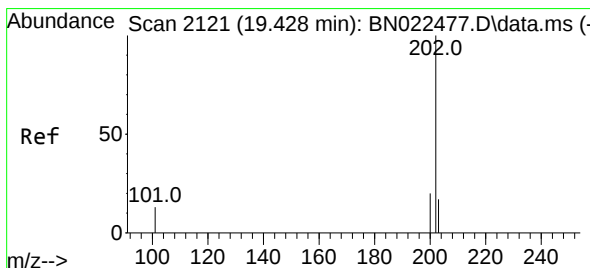
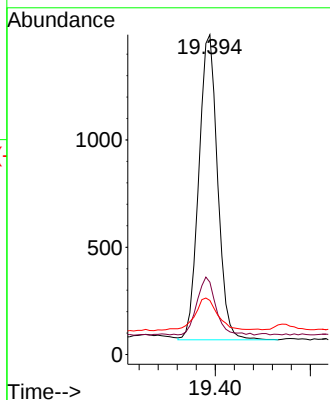
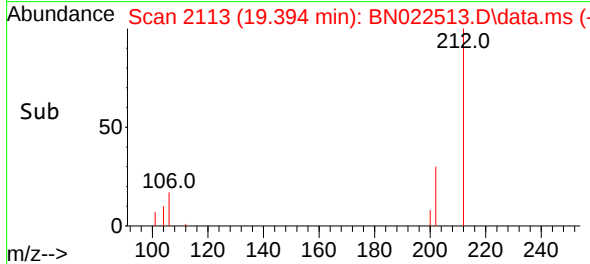
Instrument :
BNA_N
ClientSampleId :
S-1-103122DL



Tgt Ion:212 Resp: 1946
Ion Ratio Lower Upper
212 100
106 19.1 15.2 22.8
104 13.4 8.6 12.8

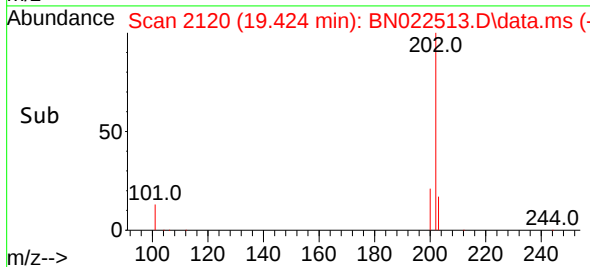
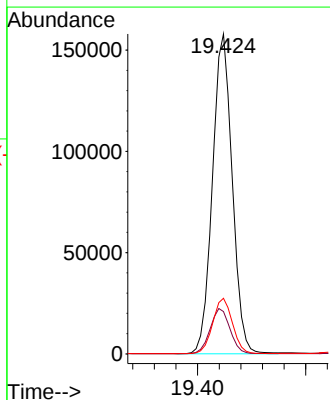
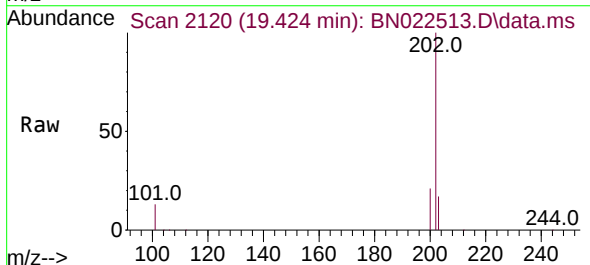
Manual Integrations
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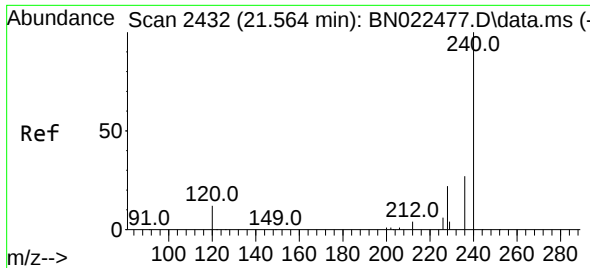
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#28
Fluoranthene
Concen: 3.135 ng
RT: 19.424 min Scan# 2120
Delta R.T. -0.004 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

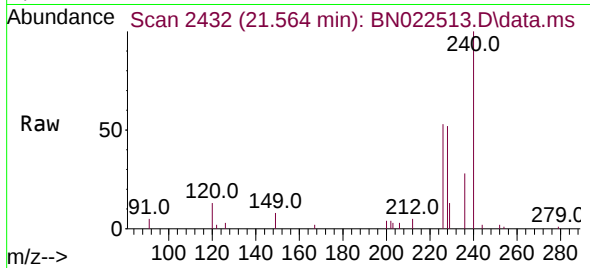
Tgt Ion:202 Resp: 200343
Ion Ratio Lower Upper
202 100
101 14.2 11.2 16.8
203 17.3 13.6 20.4





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.564 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

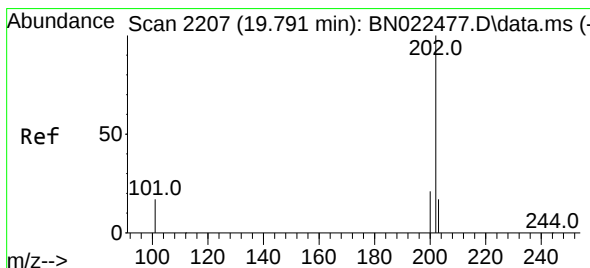
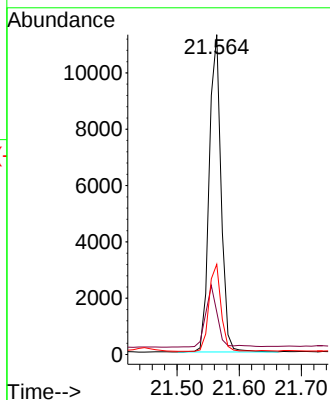
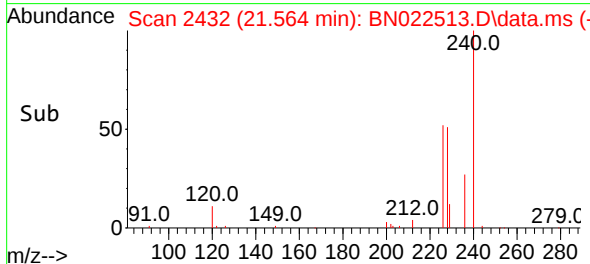
Instrument :
BNA_N
ClientSampleId :
S-1-103122DL



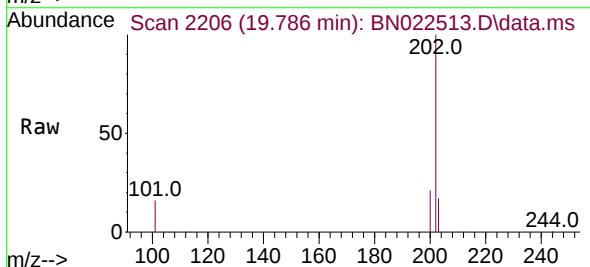
Tgt Ion:240 Resp: 14981
Ion Ratio Lower Upper
240 100
120 13.3 12.4 18.6
236 28.2 22.7 34.1

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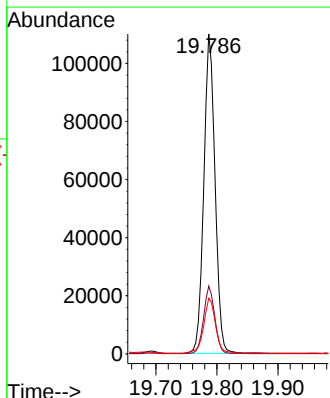
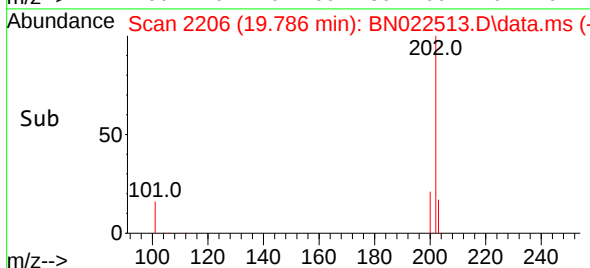
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

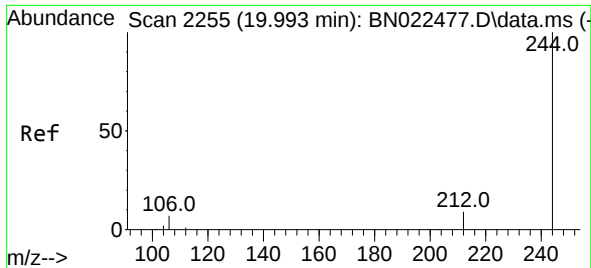


#30
Pyrene
Concen: 2.159 ng
RT: 19.786 min Scan# 2206
Delta R.T. -0.004 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21



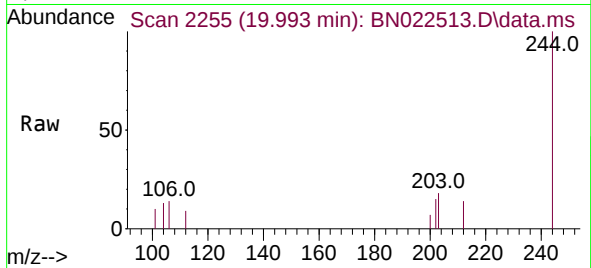
Tgt Ion:202 Resp: 139640
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 18.4 14.3 21.5





#31
 Terphenyl-d14
 Concen: 0.039 ng
 RT: 19.993 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN022513.D
 Acq: 04 Nov 2022 18:21

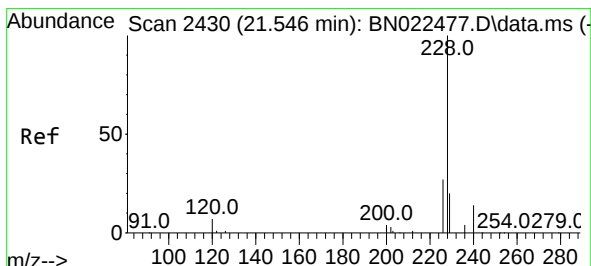
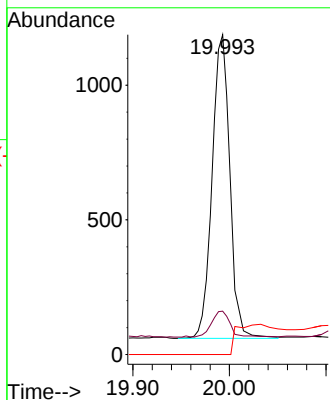
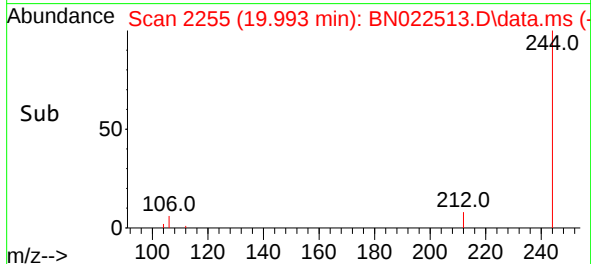
Instrument :
 BNA_N
 ClientSampleId :
 S-1-103122DL



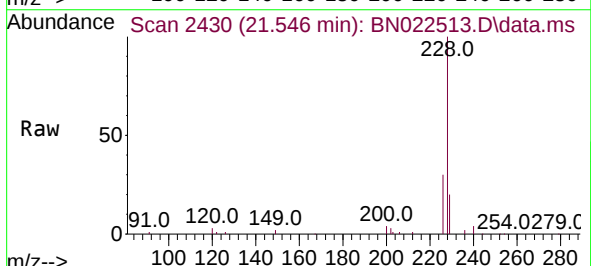
Tgt Ion:244 Resp: 1803
 Ion Ratio Lower Upper
 244 100
 212 13.6 7.8 11.8
 122 0.0 0.0 0.0

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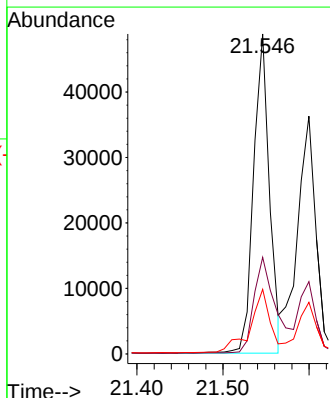
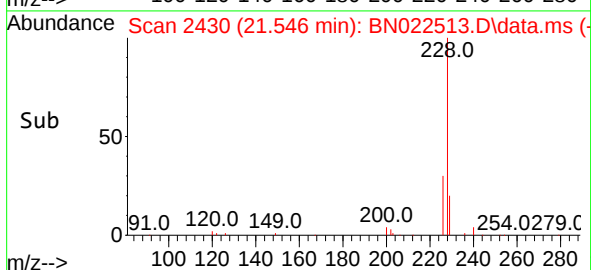
Reviewed By :Christian Giraldo 11/05/2022
 Supervised By :Jagrut Upadhyay 11/07/2022

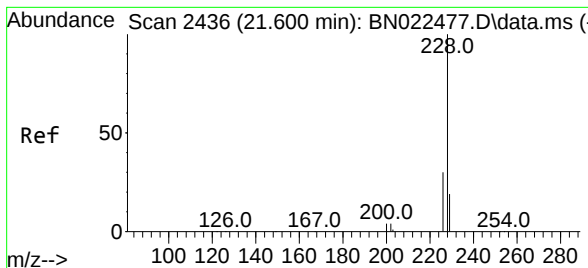


#32
 Benzo(a)anthracene
 Concen: 1.039 ng
 RT: 21.546 min Scan# 2430
 Delta R.T. -0.000 min
 Lab File: BN022513.D
 Acq: 04 Nov 2022 18:21



Tgt Ion:228 Resp: 62583
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.1 33.1
 229 20.2 16.4 24.6





#33

Chrysene

Concen: 0.923 ng m

RT: 21.600 min Scan# 2436

Delta R.T. -0.000 min

Lab File: BN022513.D

Acq: 04 Nov 2022 18:21

Instrument :

BNA_N

ClientSampleId :

S-1-103122DL

Tgt Ion:228 Resp: 55079

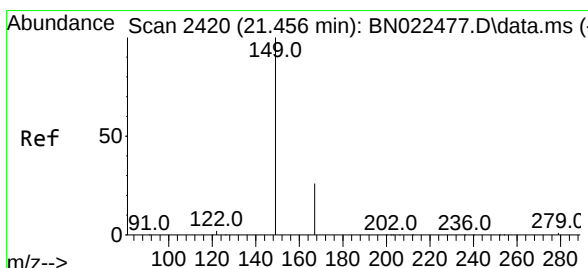
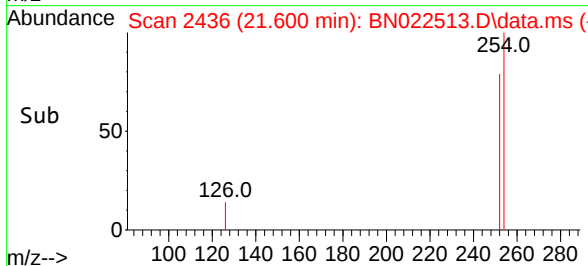
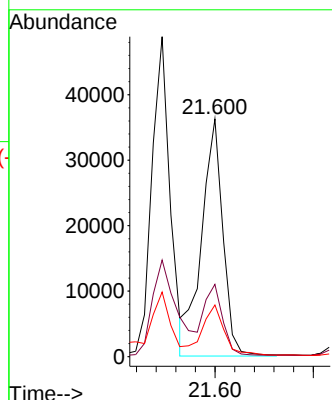
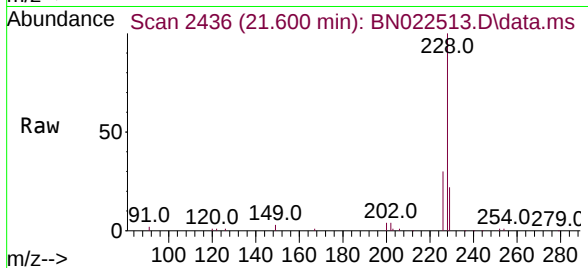
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.1	36.1
229	21.7	15.9	23.9

Manual Integrations

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Reviewed By :Christian Giraldo 11/05/2022

Supervised By :Jagrut Upadhyay 11/07/2022



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.031 ng

RT: 21.465 min Scan# 2421

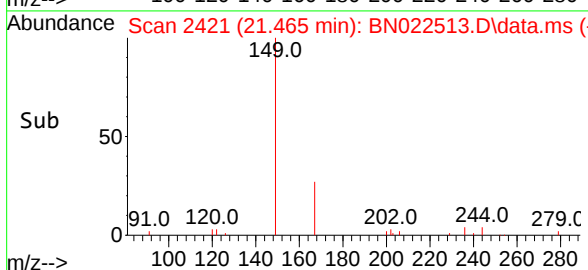
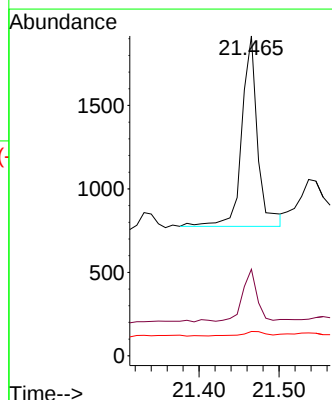
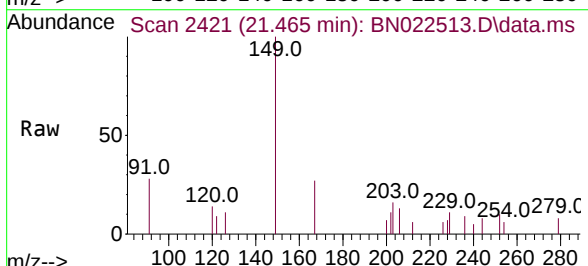
Delta R.T. 0.009 min

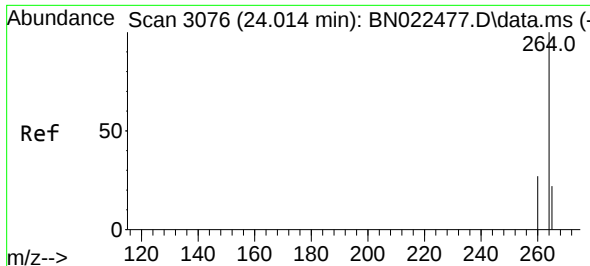
Lab File: BN022513.D

Acq: 04 Nov 2022 18:21

Tgt Ion:149 Resp: 1568

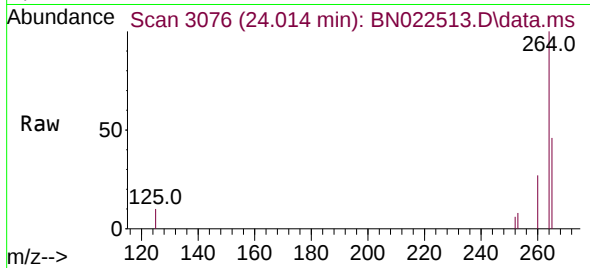
Ion	Ratio	Lower	Upper
149	100		
167	24.9	21.3	31.9
279	3.0	2.7	4.1





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.014 min Scan# 3076
 Delta R.T. -0.000 min
 Lab File: BN022513.D
 Acq: 04 Nov 2022 18:21

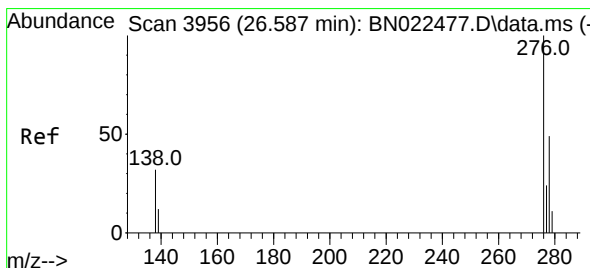
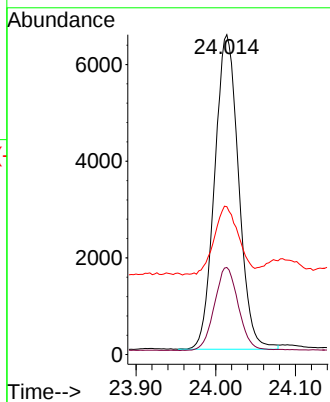
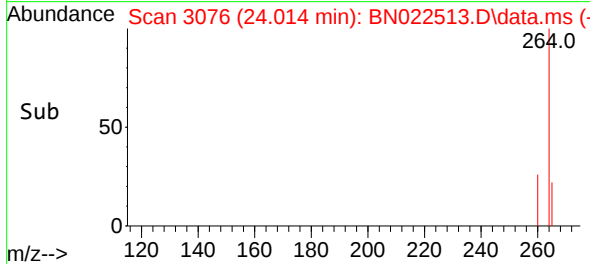
Instrument :
 BNA_N
 ClientSampleId :
 S-1-103122DL



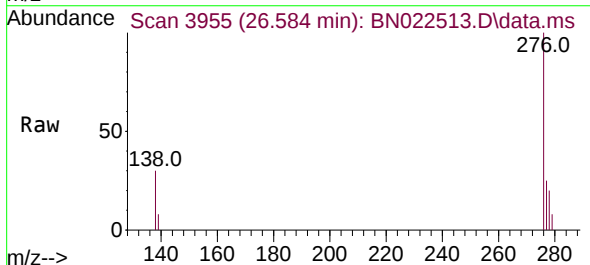
Tgt Ion:264 Resp: 13601
 Ion Ratio Lower Upper
 264 100
 260 27.2 22.4 33.6
 265 46.2 44.4 66.6

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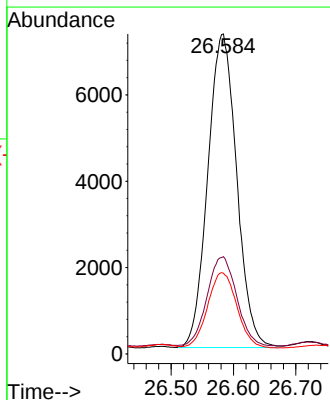
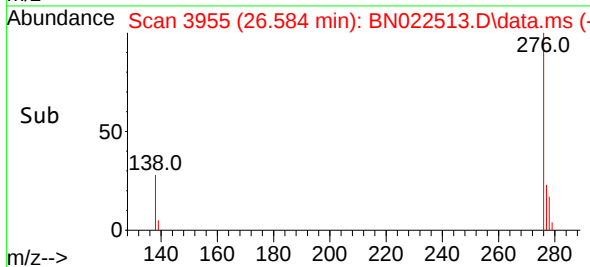
Reviewed By :Christian Giraldo 11/05/2022
 Supervised By :Jagrut Upadhyay 11/07/2022

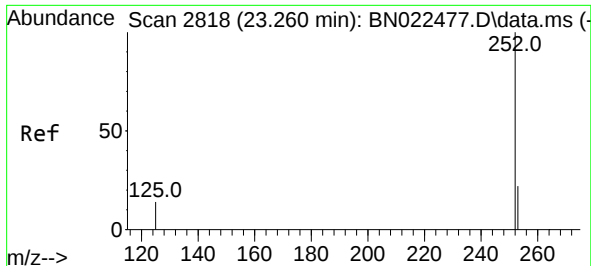


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.357 ng
 RT: 26.584 min Scan# 3955
 Delta R.T. -0.003 min
 Lab File: BN022513.D
 Acq: 04 Nov 2022 18:21



Tgt Ion:276 Resp: 23386
 Ion Ratio Lower Upper
 276 100
 138 29.2 27.5 41.3
 277 24.4 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 1.044 ng

RT: 23.262 min Scan# 2818

Delta R.T. 0.003 min

Lab File: BN022513.D

Acq: 04 Nov 2022 18:21

Instrument :

BNA_N

ClientSampleId :

S-1-103122DL

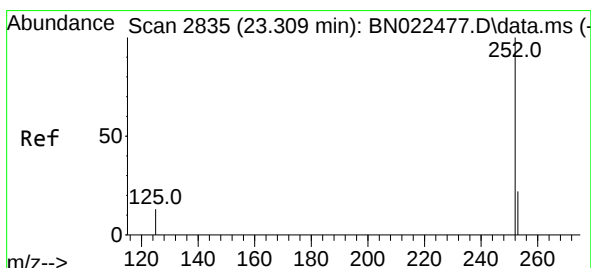
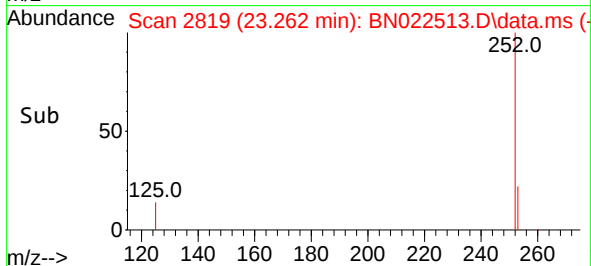
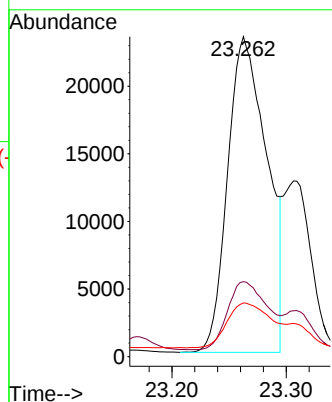
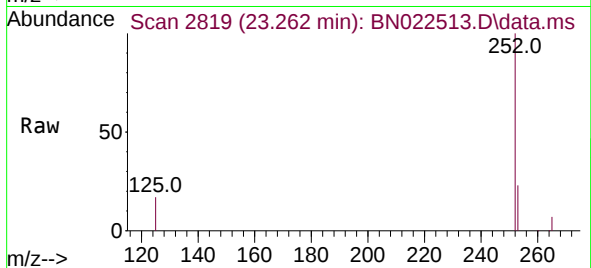
Tgt Ion:252	Resp:	55815
Ion Ratio	Lower	Upper
252	100	
253	23.4	21.1 31.7
125	16.8	16.8 25.2

Manual Integrations

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Reviewed By :Christian Giraldo 11/05/2022

Supervised By :Jagrut Upadhyay 11/07/2022



#38

Benzo(k)fluoranthene

Concen: 0.397 ng m

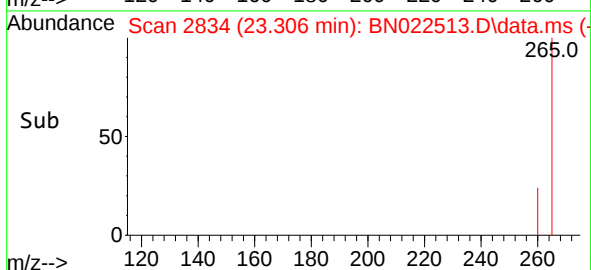
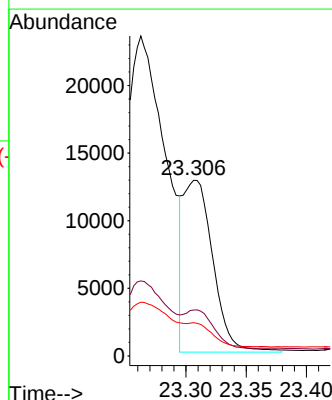
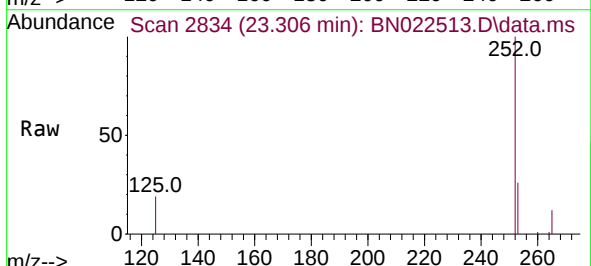
RT: 23.306 min Scan# 2834

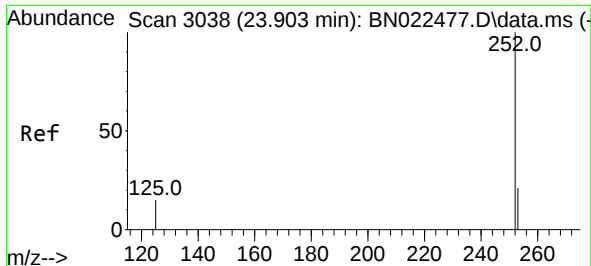
Delta R.T. -0.003 min

Lab File: BN022513.D

Acq: 04 Nov 2022 18:21

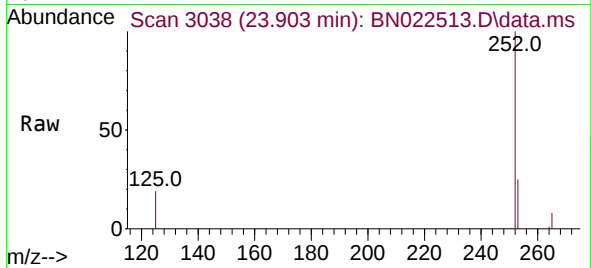
Tgt Ion:252	Resp:	21669
Ion Ratio	Lower	Upper
252	100	
253	26.2	20.9 31.3
125	18.9	16.1 24.1





#39
Benzo(a)pyrene
Concen: 0.946 ng m
RT: 23.903 min Scan# 3038
Delta R.T. -0.000 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

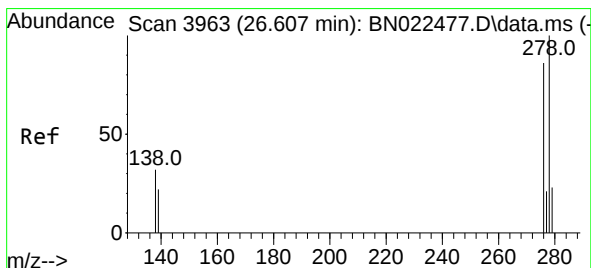
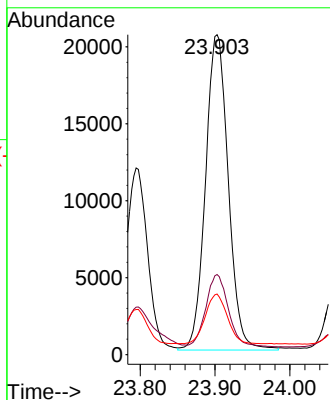
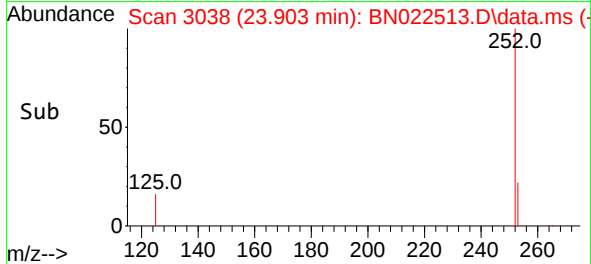
Instrument :
BNA_N
ClientSampleId :
S-1-103122DL



Tgt Ion:252 Resp: 4333
Ion Ratio Lower Upper
252 100
253 25.0 22.0 33.0
125 18.9 19.8 29.8

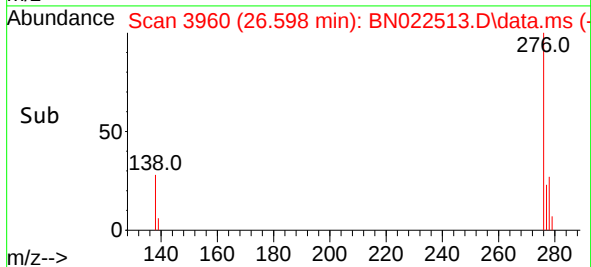
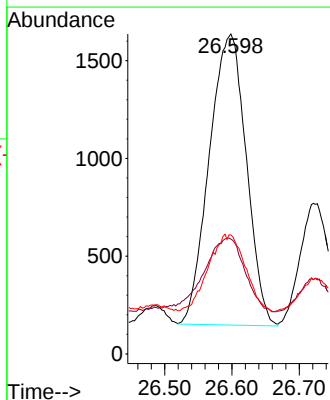
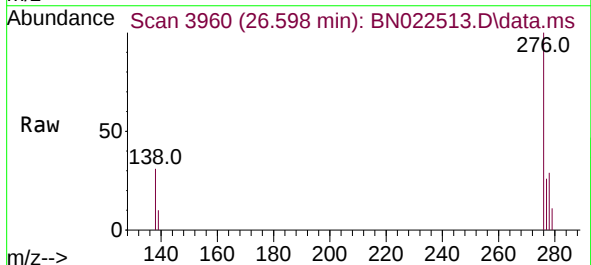
Manual Integrations
APPROVED

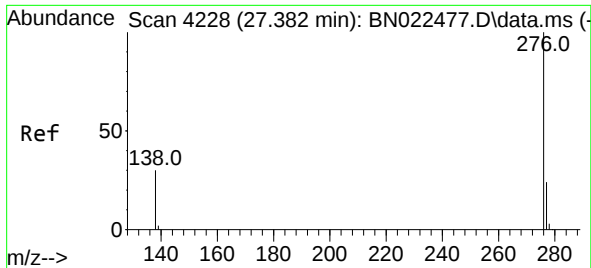
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#40
Dibenzo(a,h)anthracene
Concen: 0.109 ng
RT: 26.598 min Scan# 3960
Delta R.T. -0.009 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

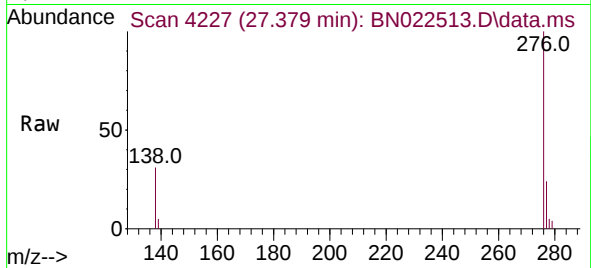
Tgt Ion:278 Resp: 5686
Ion Ratio Lower Upper
278 100
139 35.9 21.8 32.6#
279 37.2 21.5 32.3#





#41
Benzo(g,h,i)perylene
Concen: 0.358 ng
RT: 27.379 min Scan# 41
Delta R.T. -0.003 min
Lab File: BN022513.D
Acq: 04 Nov 2022 18:21

Instrument :
BNA_N
ClientSampleId :
S-1-103122DL



Tgt Ion: 276 Resp: 19829
Ion Ratio Lower Upper
276 100
277 24.5 21.0 31.4
138 31.2 26.0 39.0

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