

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
 Data File : BN022473.D
 Acq On : 02 Nov 2022 20:51
 Operator : CG/JU
 Sample : N5395-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-10-103122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/03/2022
 Supervised By : mohammad ahmed 11/07/2022

Quant Time: Nov 03 06:26:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 05:31:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	3967	0.400	ng	0.00
7) Naphthalene-d8	10.752	136	10950	0.400	ng	0.00
13) Acenaphthene-d10	14.600	164	4420	0.400	ng	0.01
19) Phenanthrene-d10	17.350	188	8792	0.400	ng	0.00
29) Chrysene-d12	21.555	240	7225	0.400	ng	# 0.00
35) Perylene-d12	24.002	264	7420	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.465	112	3329	0.315	ng	0.00
5) Phenol-d6	7.090	99	5041	0.381	ng	0.00
8) Nitrobenzene-d5	9.108	82	3063m	0.323	ng	0.00
11) 2-Methylnaphthalene-d10	12.349	152	3731	0.217	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	506	0.266	ng	0.00
15) 2-Fluorobiphenyl	13.221	172	5558	0.294	ng	0.00
27) Fluoranthene-d10	19.390	212	4850	0.200	ng	0.00
31) Terphenyl-d14	19.985	244	4110	0.218	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.350	93	765	0.060	ng	85
9) Naphthalene	10.806	128	32393	0.989	ng	98
16) Acenaphthylene	14.322	152	9908	0.463	ng	98
17) Acenaphthene	14.664	154	3122	0.214	ng	98
18) Fluorene	15.648	166	4361	0.214	ng	# 96
25) Phenanthrene	17.387	178	68491	2.272	ng	99
26) Anthracene	17.487	178	15600	0.614	ng	96
28) Fluoranthene	19.420	202	148955	4.557	ng	100
30) Pyrene	19.782	202	129543	3.896	ng	# 95
32) Benzo(a)anthracene	21.537	228	67056	2.358	ng	96
33) Chrysene	21.591	228	67407	2.267	ng	96
34) Bis(2-ethylhexyl)phtha...	21.448	149	10982	0.567	ng	# 91
36) Indeno(1,2,3-cd)pyrene	26.569	276	44560	1.216	ng	94
37) Benzo(b)fluoranthene	23.251	252	86712	2.553	ng	98
38) Benzo(k)fluoranthene	23.295	252	36199m	1.071	ng	
39) Benzo(a)pyrene	23.891	252	67341m	2.437	ng	
40) Dibenzo(a,h)anthracene	26.578	278	11182	0.391	ng	# 66
41) Benzo(g,h,i)perylene	27.362	276	43518	1.441	ng	97

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

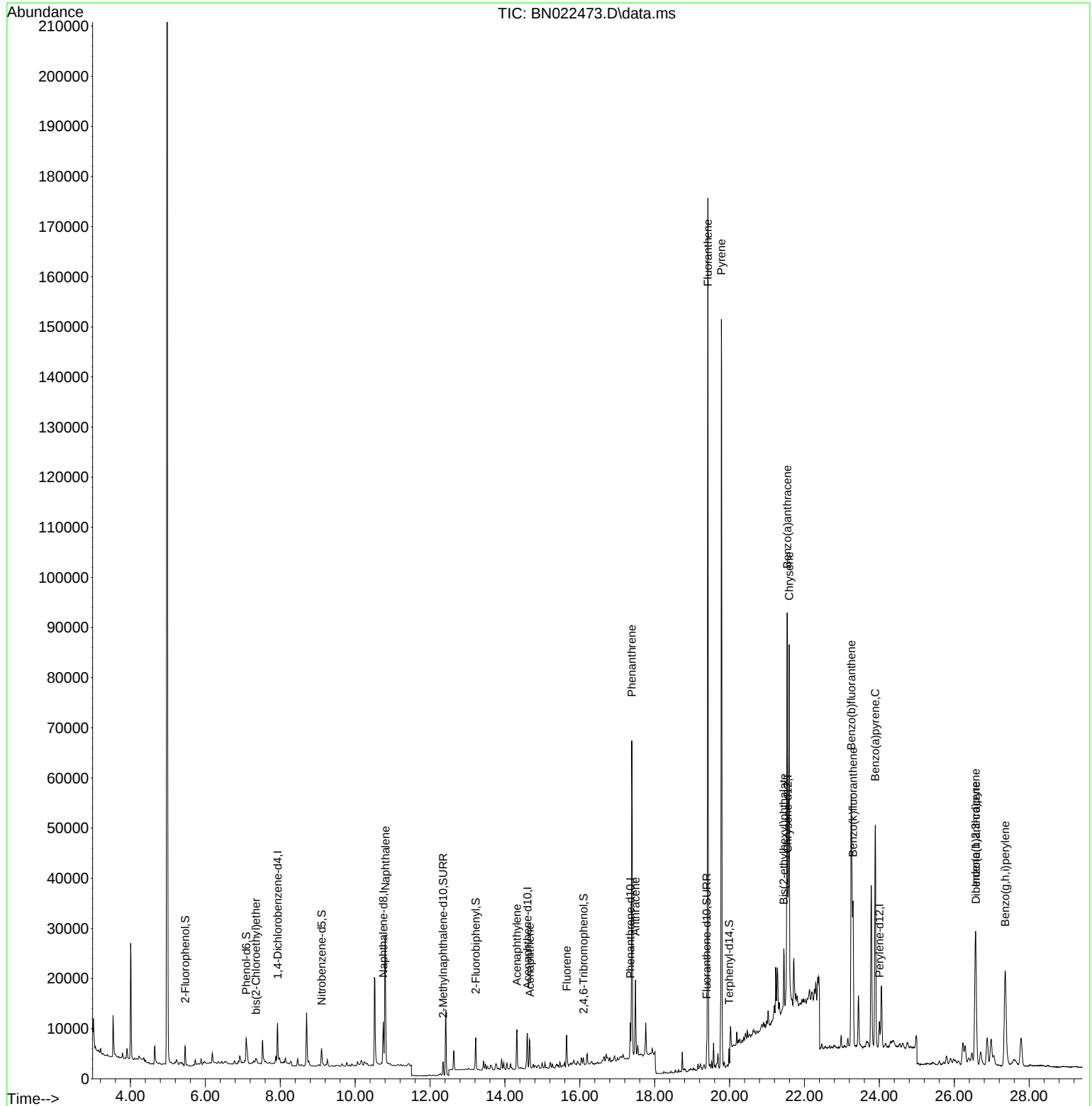
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
Data File : BN022473.D
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ALS Vial : 17 Sample Multiplier: 1

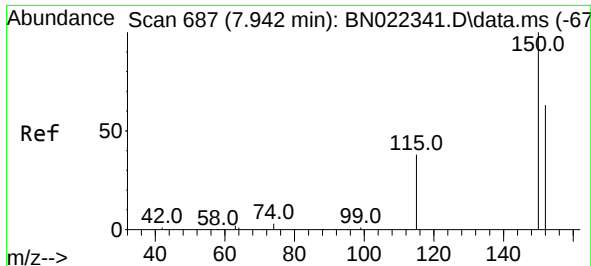
Instrument :
BNA_N
ClientSampleId :
S-10-103122

Quant Time: Nov 03 06:26:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 02 05:31:40 2022
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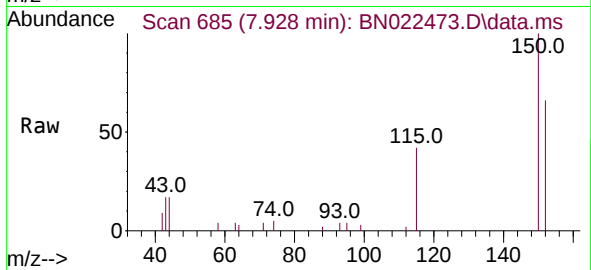
Reviewed By : Christian Giraldo 11/03/2022
Supervised By : mohammad ahmed 11/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.928 min Scan# 687
Delta R.T. -0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

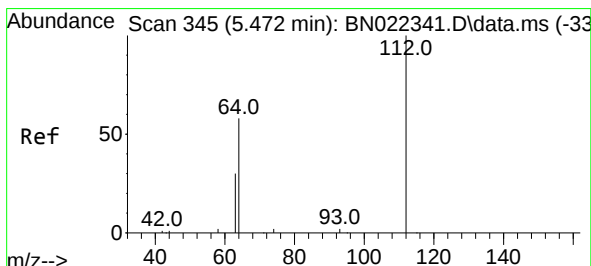
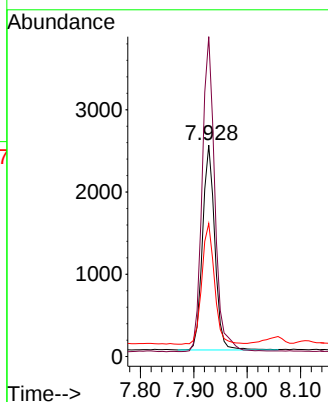
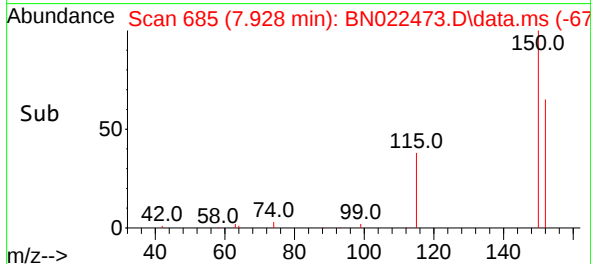
Instrument :
BNA_N
ClientSampleId :
S-10-103122



Tgt Ion:152 Resp: 3962
Ion Ratio Lower Upper
152 100
150 151.3 125.2 187.8
115 62.9 52.0 78.0

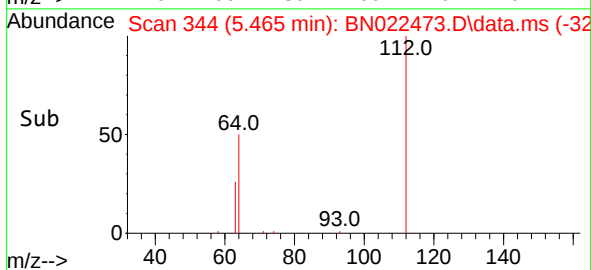
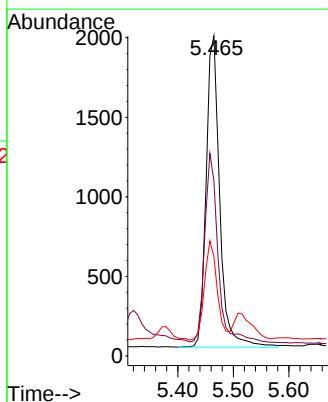
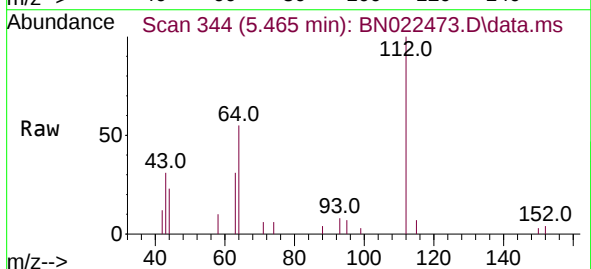
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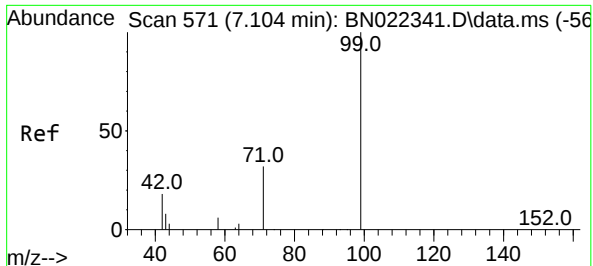
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#4
2-Fluorophenol
Concen: 0.315 ng
RT: 5.465 min Scan# 344
Delta R.T. 0.007 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

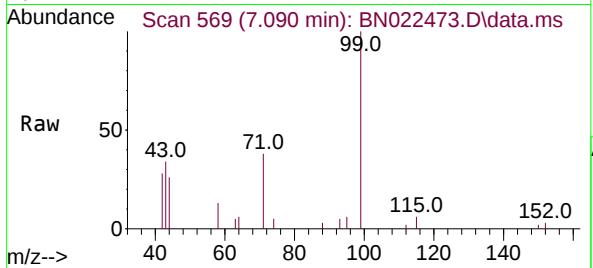
Tgt Ion:112 Resp: 3329
Ion Ratio Lower Upper
112 100
64 59.5 47.0 70.4
63 30.1 24.5 36.7





#5
Phenol-d6
Concen: 0.381 ng
RT: 7.090 min Scan# 504
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

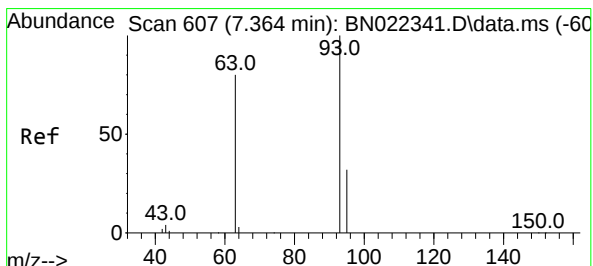
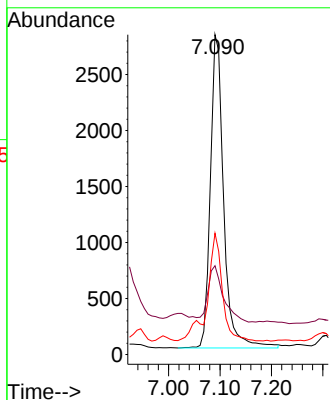
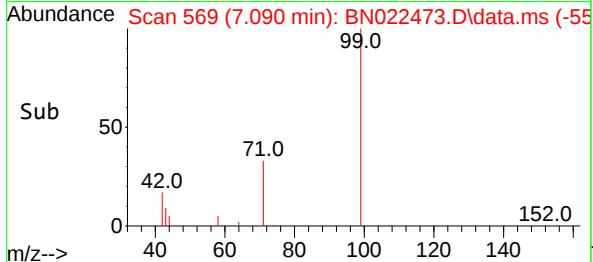
Instrument :
BNA_N
ClientSampleId :
S-10-103122



Tgt Ion: 99 Resp: 504
Ion Ratio Lower Upper
99 100
42 20.9 16.3 24.5
71 38.4 26.1 39.1

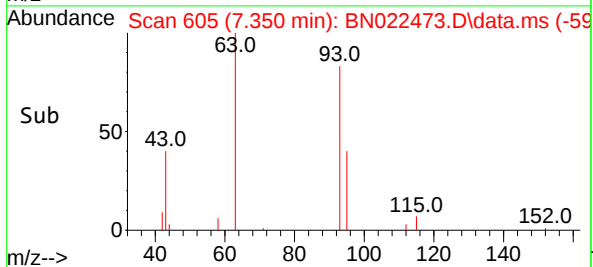
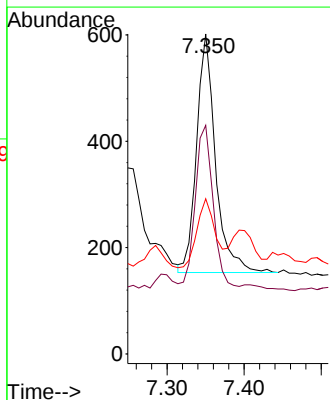
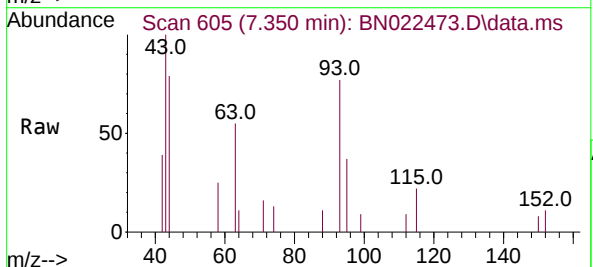
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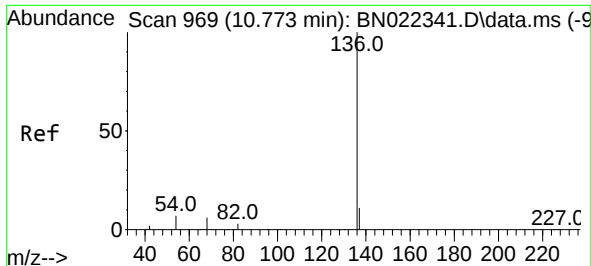
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#6
bis(2-Chloroethyl)ether
Concen: 0.060 ng
RT: 7.350 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

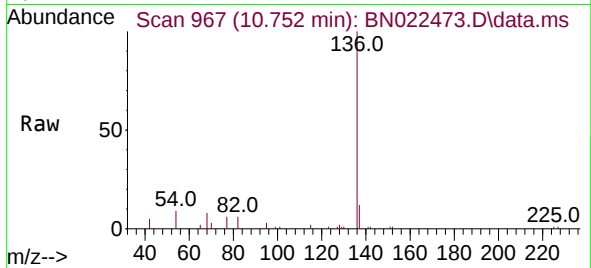
Tgt Ion: 93 Resp: 765
Ion Ratio Lower Upper
93 100
63 62.9 62.6 93.8
95 27.6 26.1 39.1





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 90
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

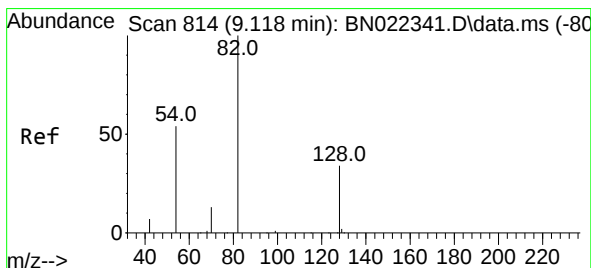
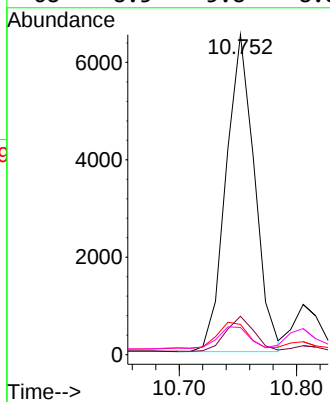
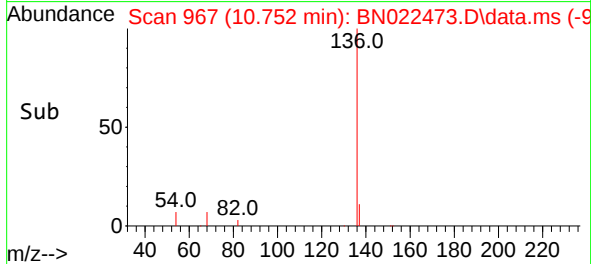
Instrument :
BNA_N
Client SampleId :
S-10-103122



Tgt Ion: 136 Resp: 10950
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.2
54 9.4 6.5 9.7
68 8.5 5.8 8.8

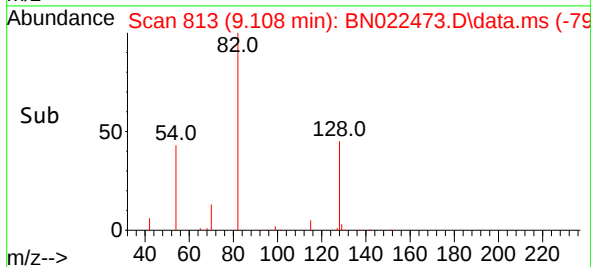
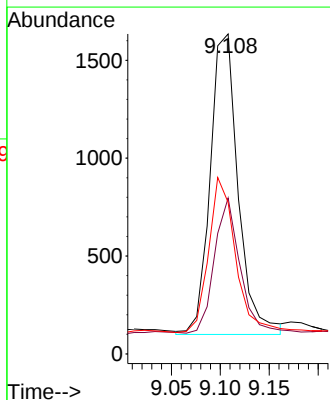
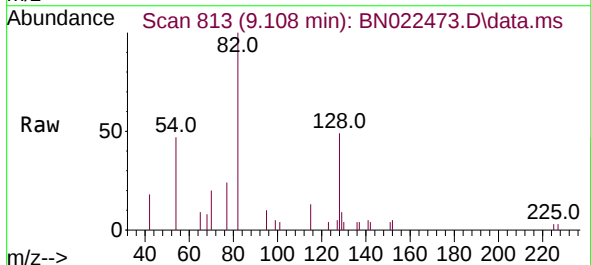
Manual Integrations
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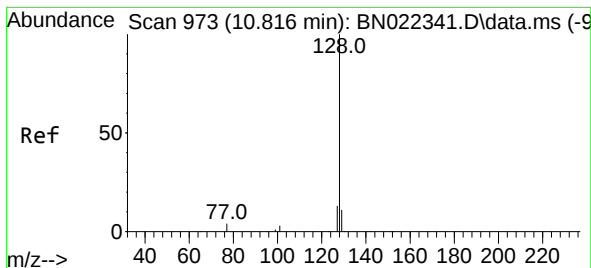
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#8
Nitrobenzene-d5
Concen: 0.323 ng m
RT: 9.108 min Scan# 813
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

Tgt Ion: 82 Resp: 3063
Ion Ratio Lower Upper
82 100
128 48.7 30.5 45.7#
54 47.3 45.2 67.8





#9

Naphthalene

Concen: 0.989 ng

RT: 10.806 min Scan# 91

Delta R.T. 0.011 min

Lab File: BN022473.D

Acq: 02 Nov 2022 20:51

Instrument :

BNA_N

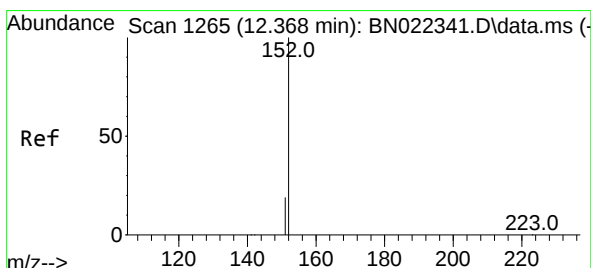
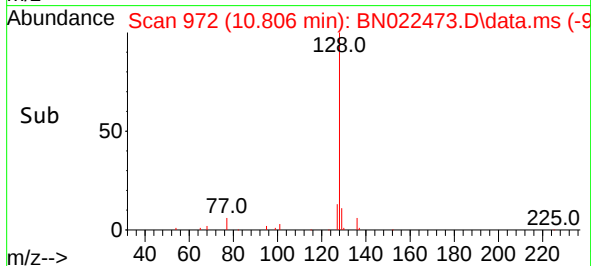
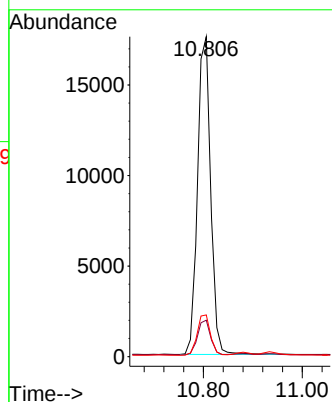
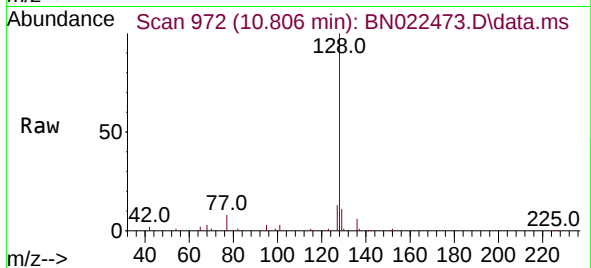
ClientSampleId :

S-10-103122

Tgt Ion:128 Resp: 32393
 Ion Ratio Lower Upper
 128 100
 129 11.4 9.4 14.2
 127 13.0 11.0 16.6

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Reviewed By :Christian Giraldo 11/03/2022
 Supervised By :mohammad ahmed 11/07/2022



#11

2-Methylnaphthalene-d10

Concen: 0.217 ng

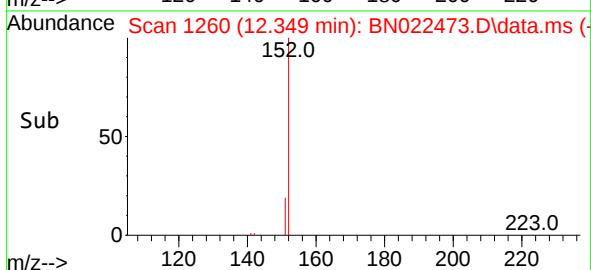
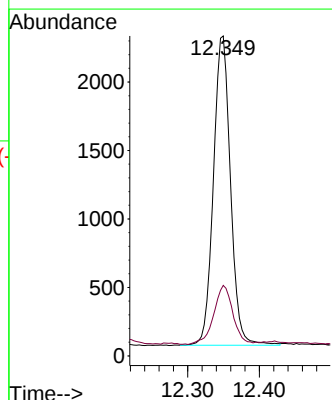
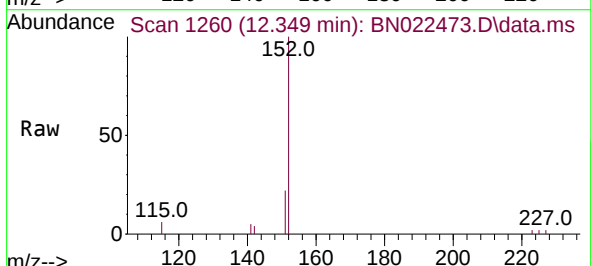
RT: 12.349 min Scan# 1260

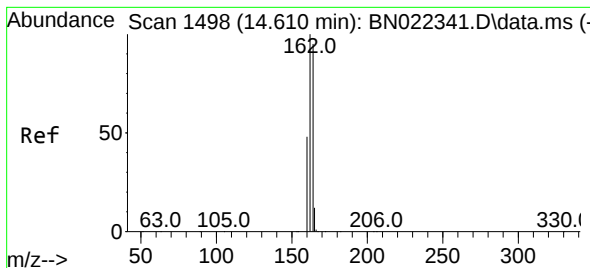
Delta R.T. 0.000 min

Lab File: BN022473.D

Acq: 02 Nov 2022 20:51

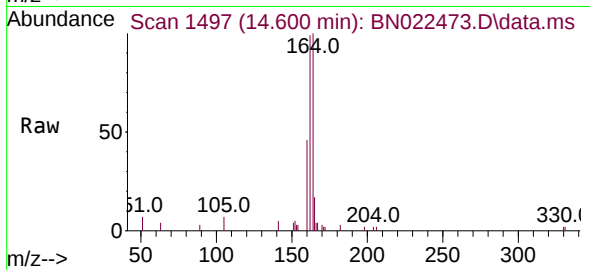
Tgt Ion:152 Resp: 3731
 Ion Ratio Lower Upper
 152 100
 151 21.4 16.7 25.1





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.600 min Scan# 1498
Delta R.T. 0.011 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

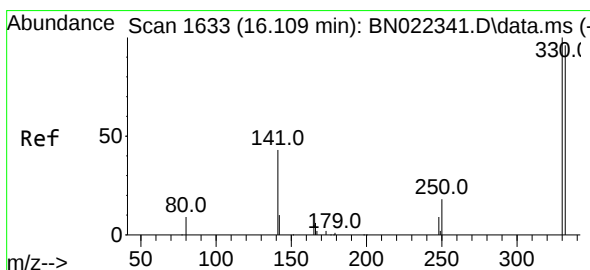
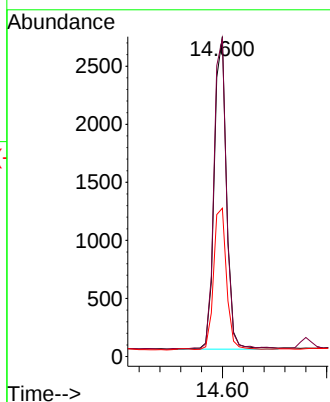
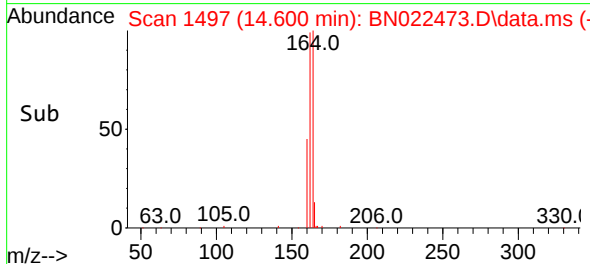
Instrument :
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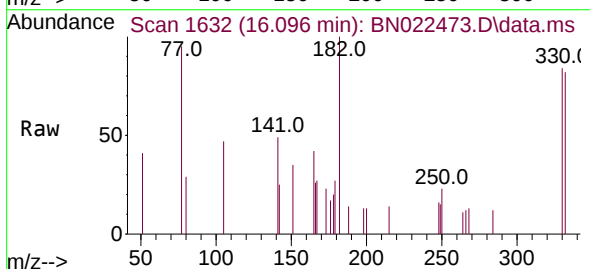
Tgt Ion:164 Resp: 4420
Ion Ratio Lower Upper
164 100
162 99.4 83.9 125.9
160 46.4 41.0 61.4

Manual Integrations
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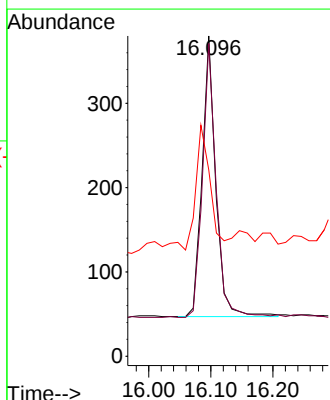
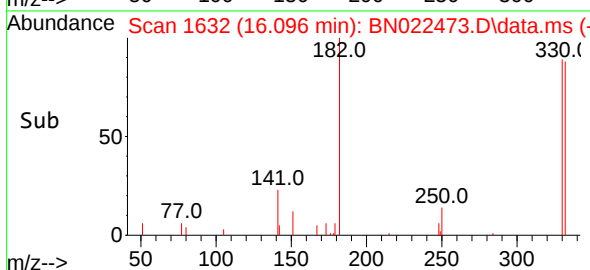
Reviewed By :Christian Giraldo 11/03/2022
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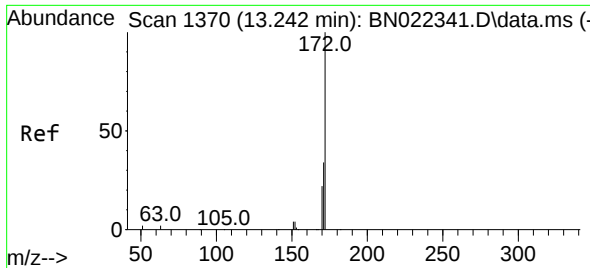


#14
2,4,6-Tribromophenol
Concen: 0.266 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51



Tgt Ion:330 Resp: 506
Ion Ratio Lower Upper
330 100
332 98.2 78.6 118.0
141 38.9 40.2 60.4#





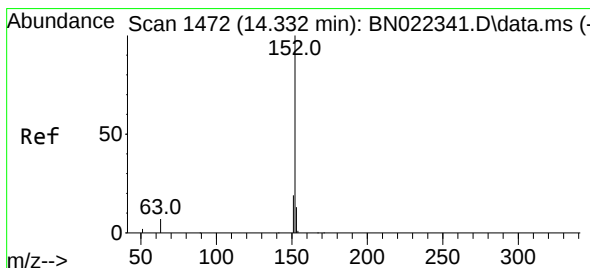
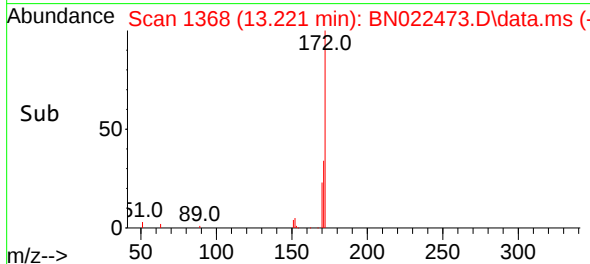
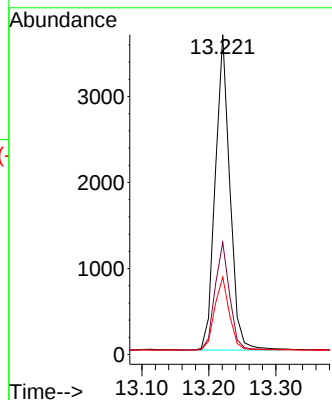
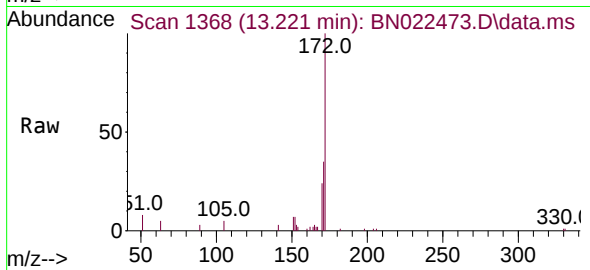
#15
2-Fluorobiphenyl
Concen: 0.294 ng
RT: 13.221 min Scan# 1368
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

Instrument :
BNA_N
ClientSampleId :
S-10-103122

Tgt Ion:172 Resp: 5558
Ion Ratio Lower Upper
172 100
171 35.1 27.4 41.0
170 24.2 18.5 27.7

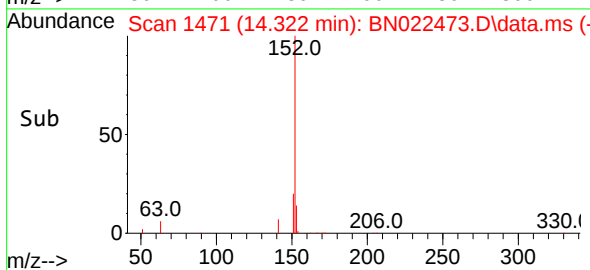
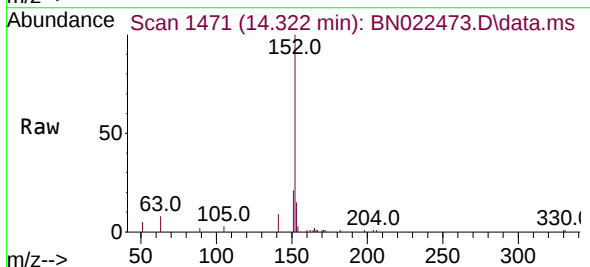
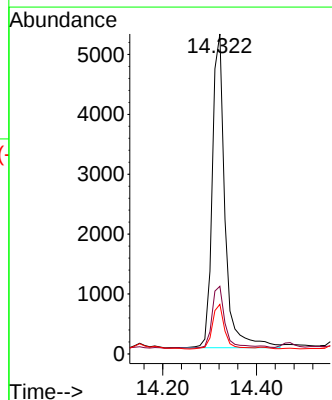
Manual Integrations
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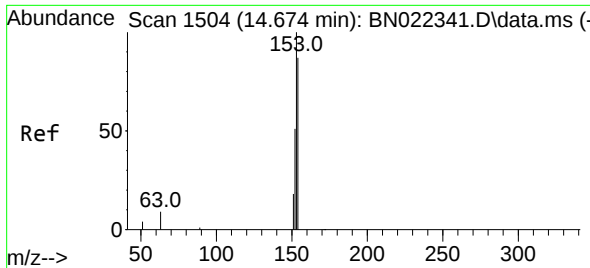
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#16
Acenaphthylene
Concen: 0.463 ng
RT: 14.322 min Scan# 1471
Delta R.T. 0.011 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

Tgt Ion:152 Resp: 9908
Ion Ratio Lower Upper
152 100
151 20.2 15.2 22.8
153 13.7 10.3 15.5





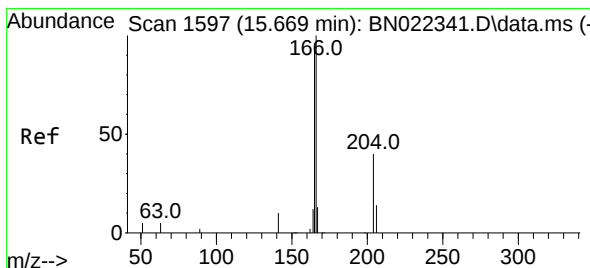
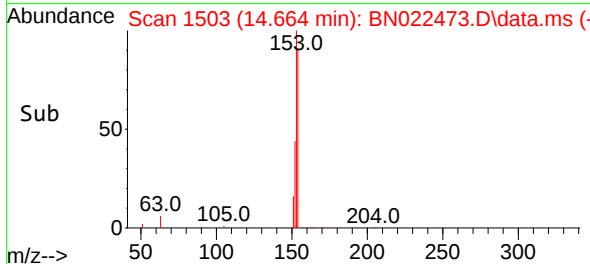
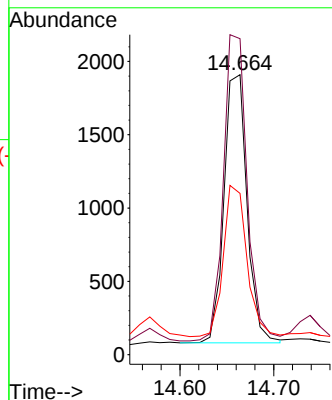
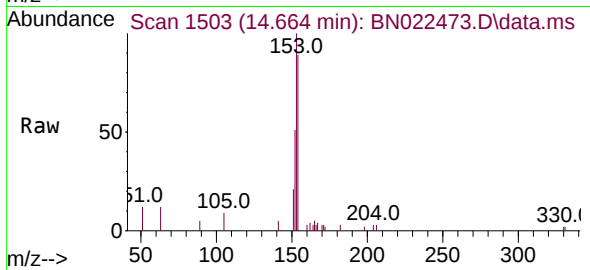
#17
Acenaphthene
Concen: 0.214 ng
RT: 14.664 min Scan# 1503
Delta R.T. 0.011 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

Instrument :
BNA_N
ClientSampleId :
S-10-103122

Tgt Ion:154 Resp: 312
Ion Ratio Lower Upper
154 100
153 117.0 92.2 138.2
152 57.7 47.6 71.4

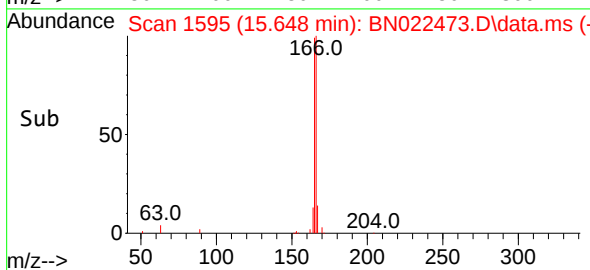
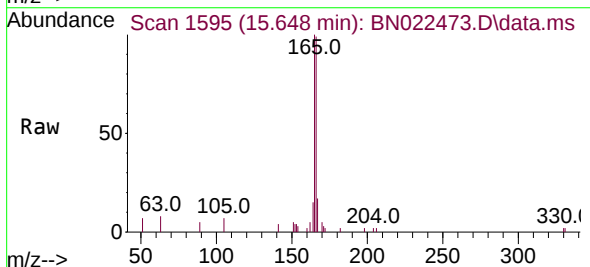
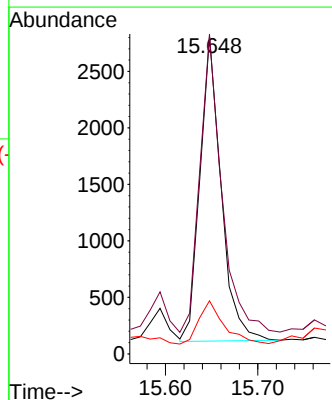
Manual Integrations
APPROVED

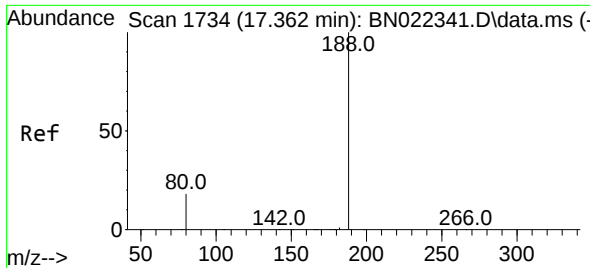
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#18
Fluorene
Concen: 0.214 ng
RT: 15.648 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

Tgt Ion:166 Resp: 4361
Ion Ratio Lower Upper
166 100
165 101.0 78.6 118.0
167 16.6 10.2 15.4





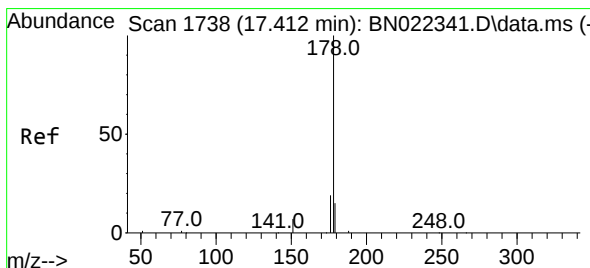
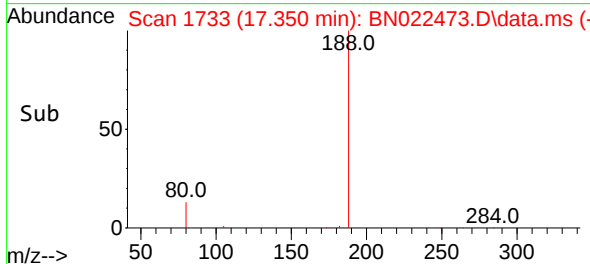
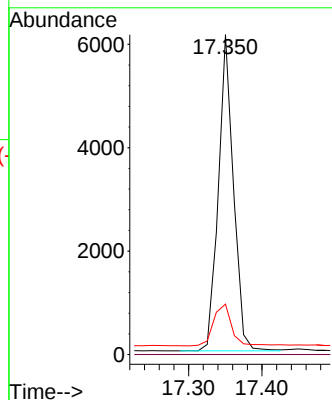
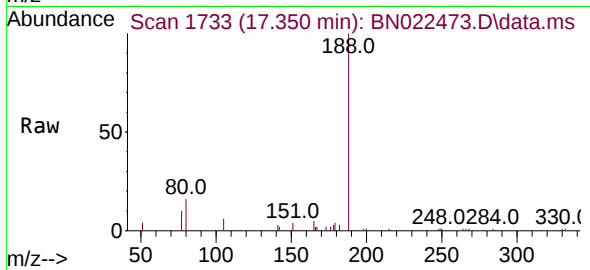
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

Instrument :
BNA_N
ClientSampleId :
S-10-103122

Tgt Ion:188 Resp: 8792
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.8 15.0 22.6

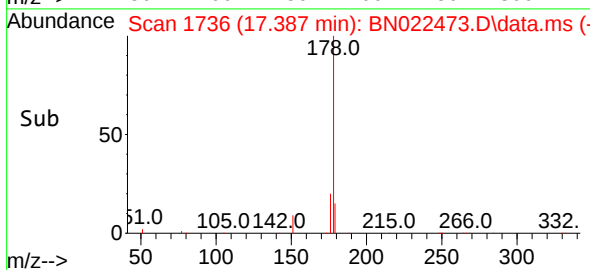
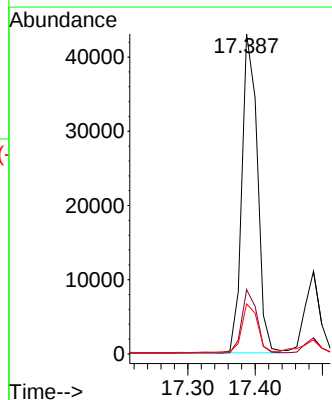
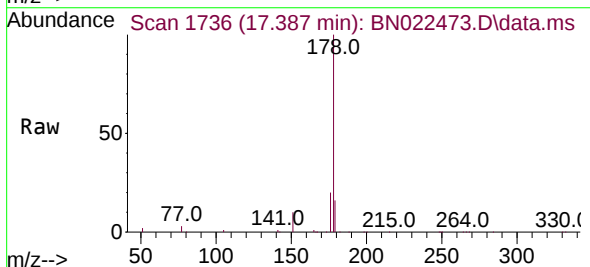
Manual Integrations
APPROVED

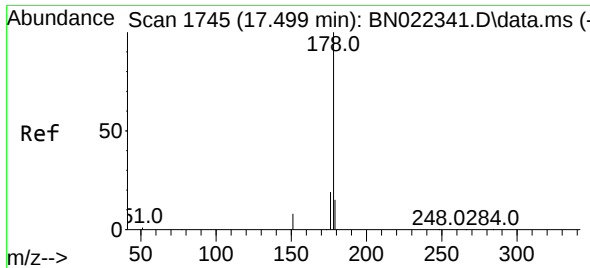
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#25
Phenanthrene
Concen: 2.272 ng
RT: 17.387 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

Tgt Ion:178 Resp: 68491
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.8 12.5 18.7





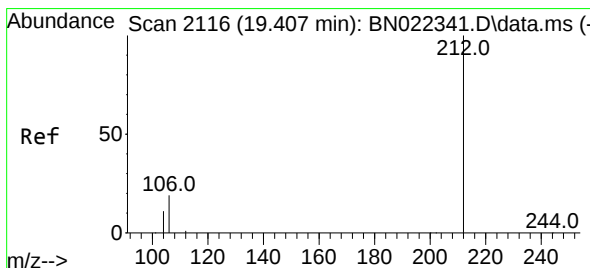
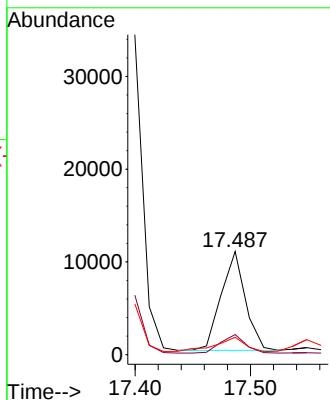
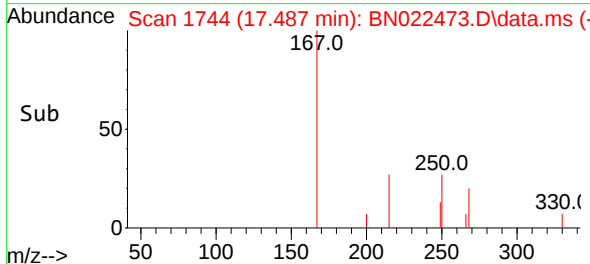
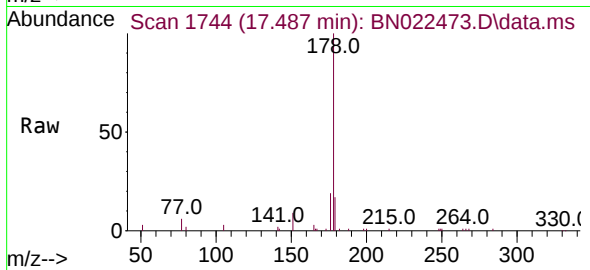
#26
 Anthracene
 Concen: 0.614 ng
 RT: 17.487 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN022473.D
 Acq: 02 Nov 2022 20:51

Instrument :
 BNA_N
 ClientSampleId :
 S-10-103122

Tgt Ion:178 Resp: 15600
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.0 22.4
 179 17.5 12.2 18.4

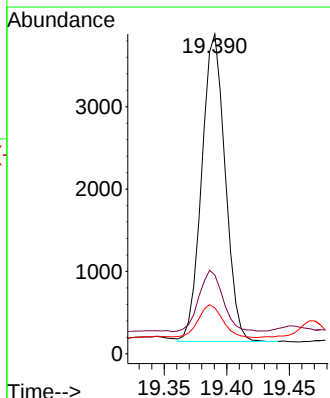
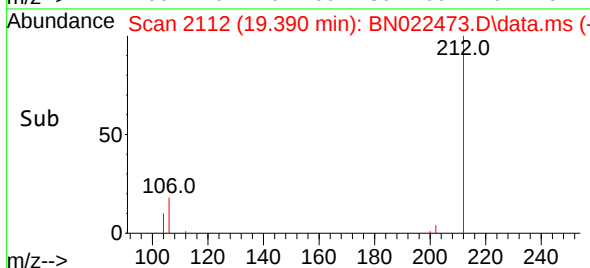
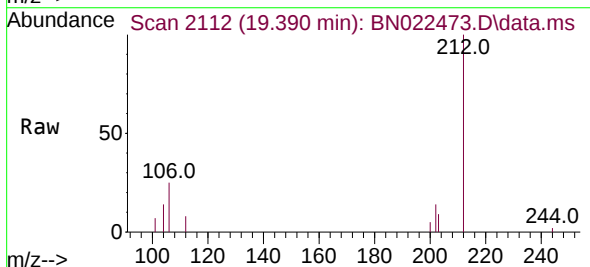
Manual Integrations
 APPROVED

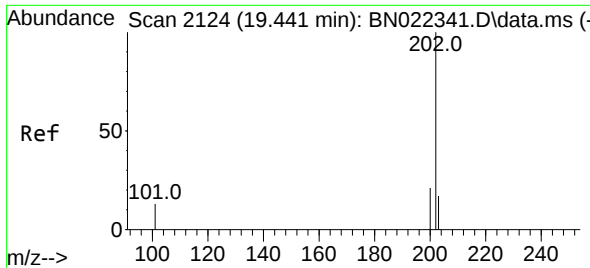
Reviewed By :Christian Giraldo 11/03/2022
 Supervised By :mohammad ahmed 11/07/2022



#27
 Fluoranthene-d10
 Concen: 0.200 ng
 RT: 19.390 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: BN022473.D
 Acq: 02 Nov 2022 20:51

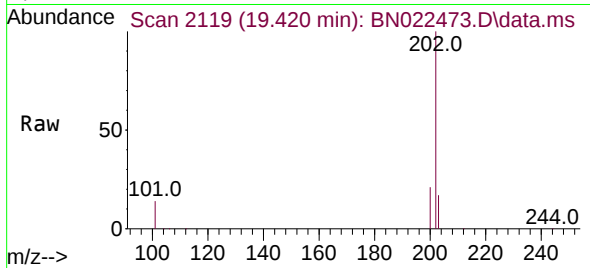
Tgt Ion:212 Resp: 4850
 Ion Ratio Lower Upper
 212 100
 106 20.7 15.0 22.4
 104 11.6 9.3 13.9





#28
Fluoranthene
Concen: 4.557 ng
RT: 19.420 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

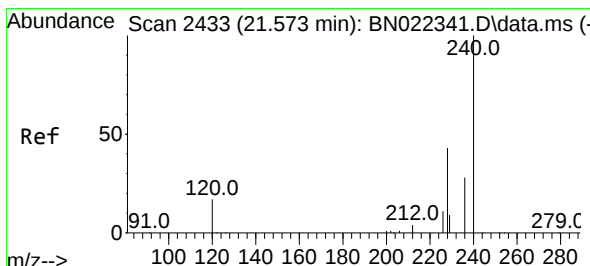
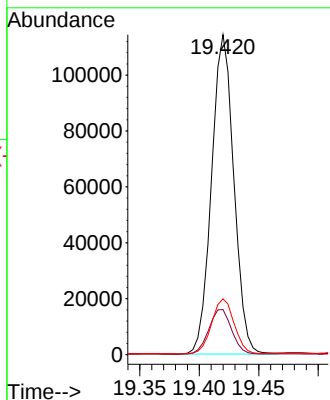
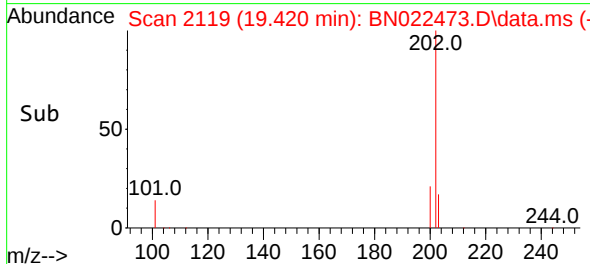
Instrument :
BNA_N
ClientSampleId :
S-10-103122



Tgt Ion:202 Resp: 148955
Ion Ratio Lower Upper
202 100
101 14.3 11.4 17.0
203 17.3 13.7 20.5

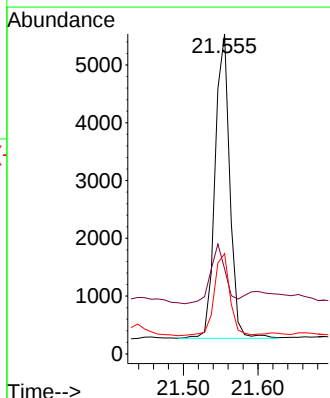
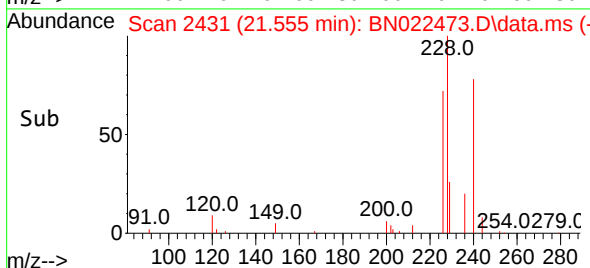
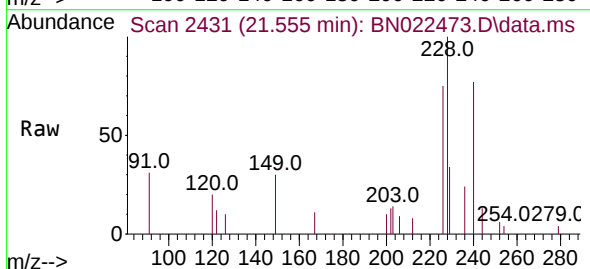
Manual Integrations
APPROVED

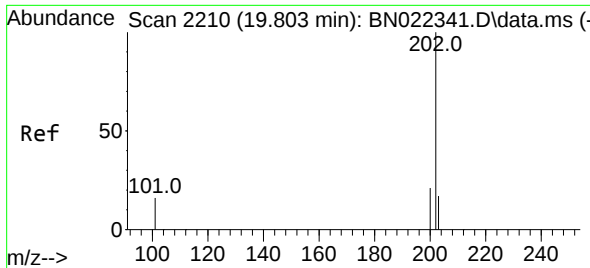
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

Tgt Ion:240 Resp: 7225
Ion Ratio Lower Upper
240 100
120 26.6 15.8 23.6
236 31.3 23.2 34.8





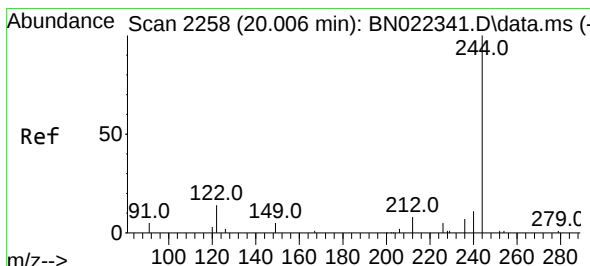
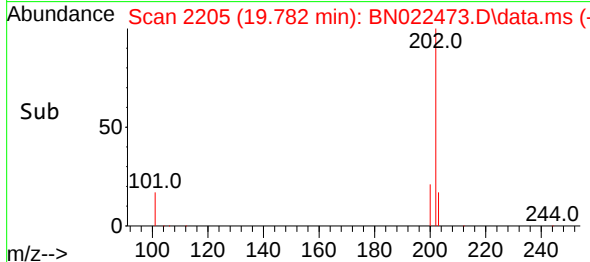
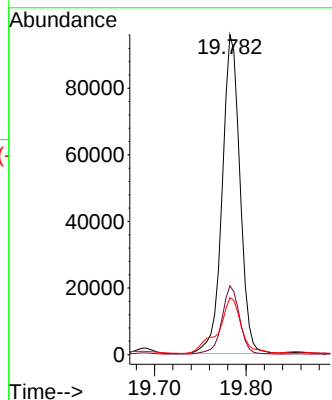
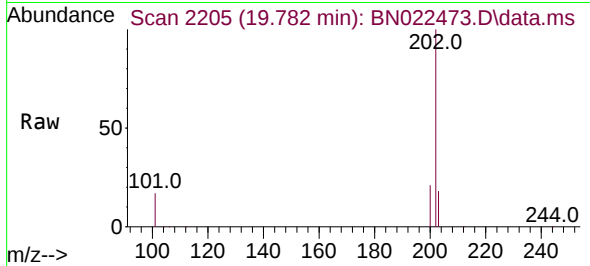
#30
Pyrene
Concen: 3.896 ng
RT: 19.782 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

Instrument :
BNA_N
ClientSampleId :
S-10-103122

Tgt Ion:202 Resp: 129543
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 22.4 14.2 21.2

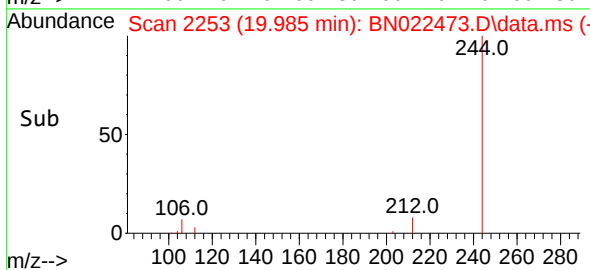
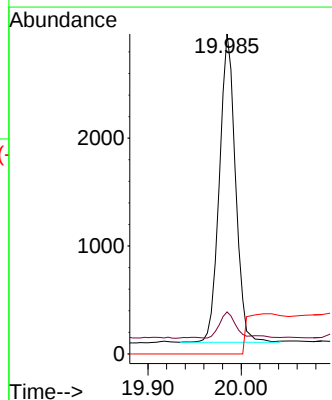
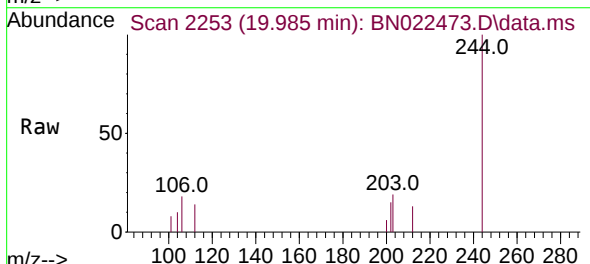
Manual Integrations
APPROVED

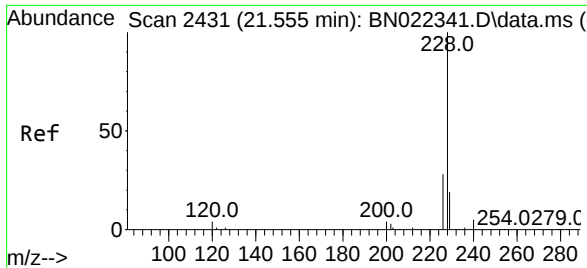
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#31
Terphenyl-d14
Concen: 0.218 ng
RT: 19.985 min Scan# 2253
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

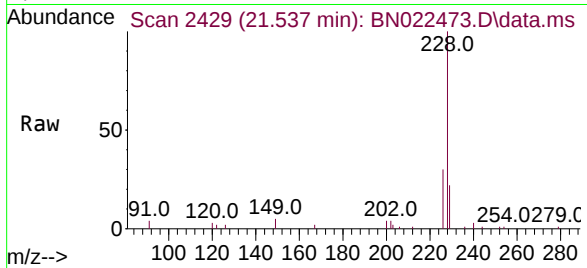
Tgt Ion:244 Resp: 4110
Ion Ratio Lower Upper
244 100
212 13.1 7.0 10.4#
122 0.0 11.5 17.3#





#32
Benzo(a)anthracene
Concen: 2.358 ng
RT: 21.537 min Scan# 2429
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

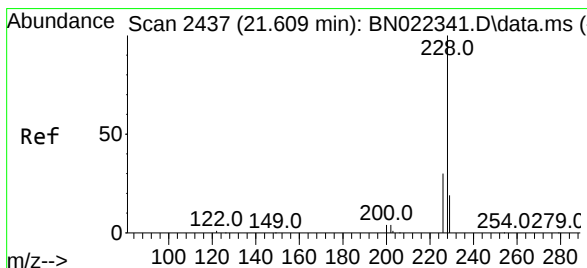
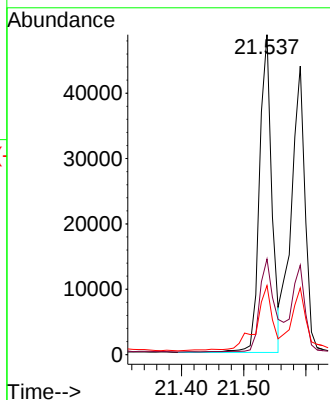
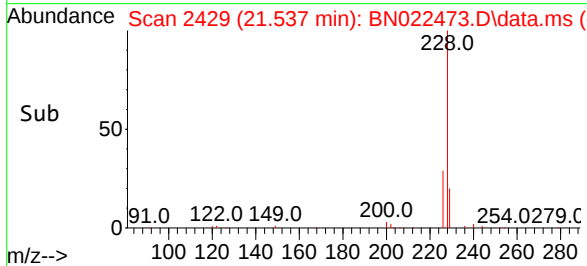
Instrument :
BNA_N
ClientSampleId :
S-10-103122



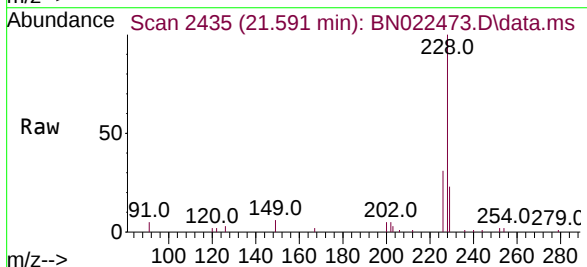
Tgt Ion:228 Resp: 67056
Ion Ratio Lower Upper
228 100
226 29.9 22.6 34.0
229 21.6 15.5 23.3

Manual Integrations
APPROVED

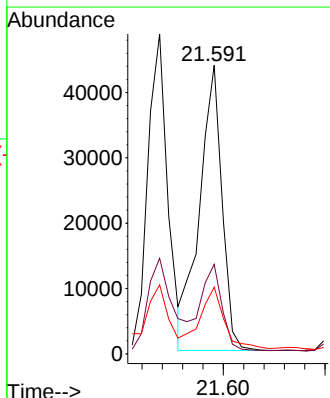
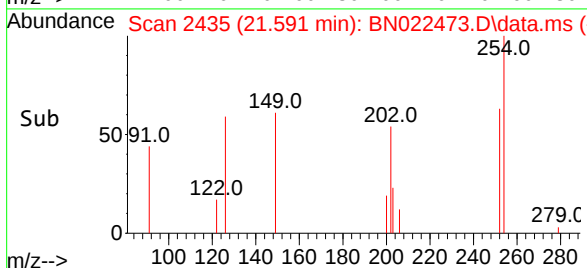
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

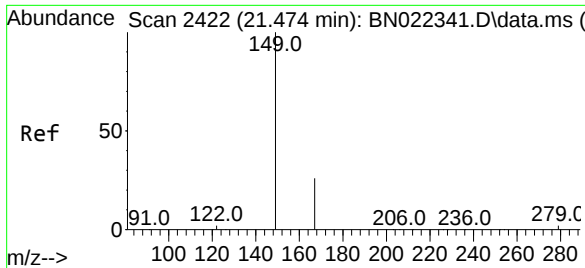


#33
Chrysene
Concen: 2.267 ng
RT: 21.591 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51



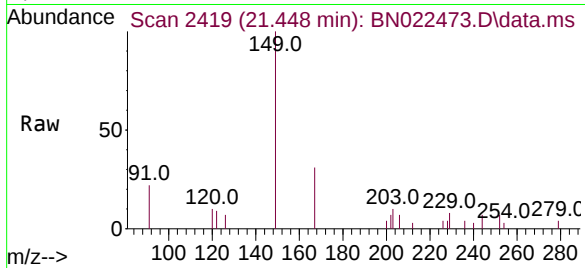
Tgt Ion:228 Resp: 67407
Ion Ratio Lower Upper
228 100
226 31.0 24.5 36.7
229 23.1 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.567 ng
RT: 21.448 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

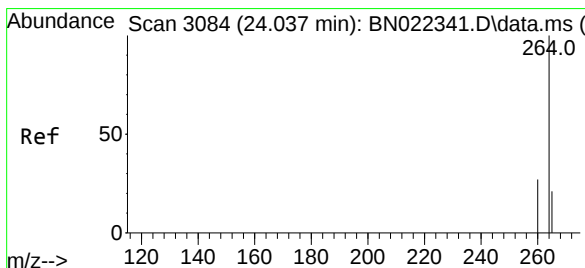
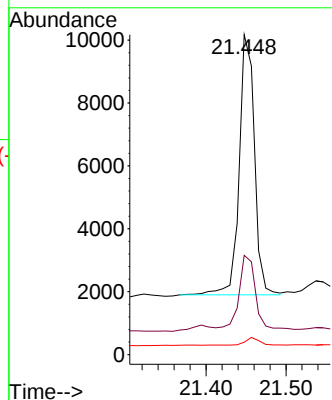
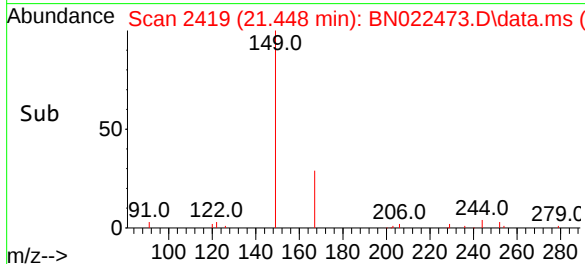
Instrument :
BNA_N
ClientSampleId :
S-10-103122



Tgt Ion:149 Resp: 10982
Ion Ratio Lower Upper
149 100
167 30.4 20.2 30.4
279 3.0 2.3 3.5

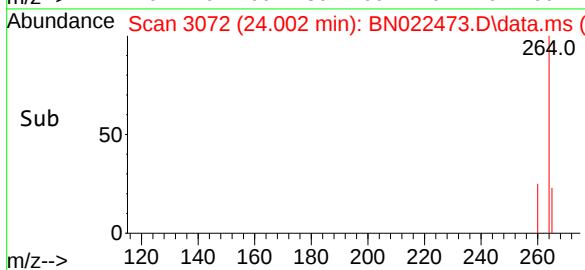
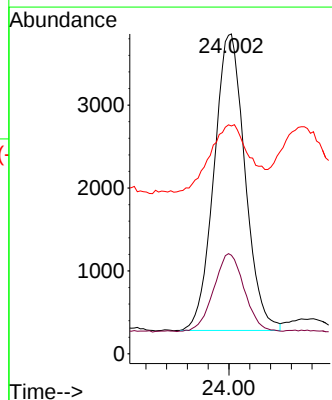
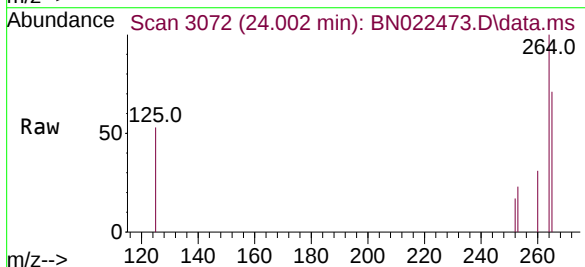
Manual Integrations
APPROVED

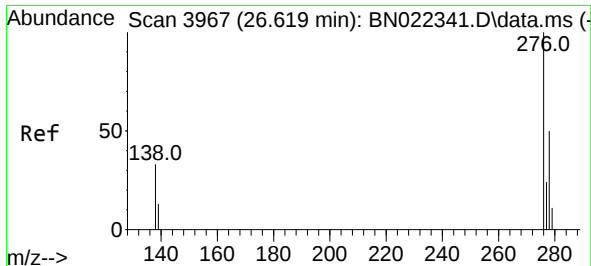
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.002 min Scan# 3072
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

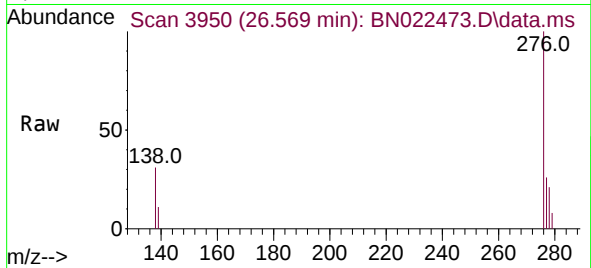
Tgt Ion:264 Resp: 7420
Ion Ratio Lower Upper
264 100
260 30.8 22.1 33.1
265 71.2 53.0 79.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.216 ng
RT: 26.569 min Scan# 3967
Delta R.T. 0.003 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

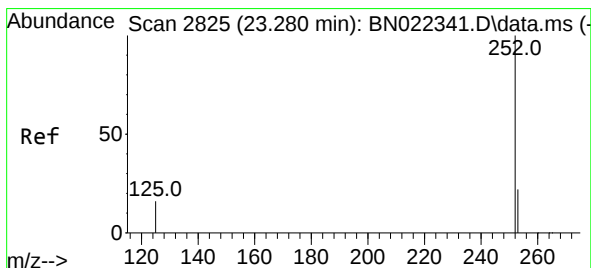
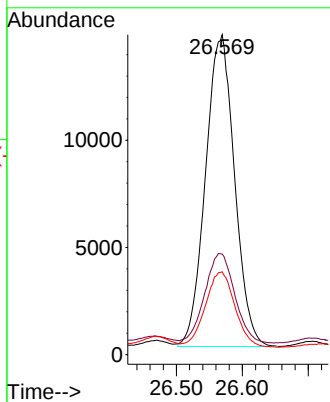
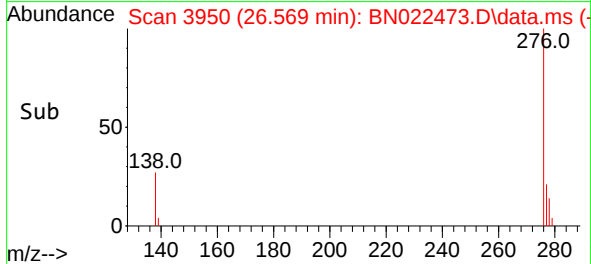
Instrument :
BNA_N
ClientSampleId :
S-10-103122



Tgt Ion:276 Resp: 44560
Ion Ratio Lower Upper
276 100
138 29.6 28.2 42.2
277 24.7 19.7 29.5

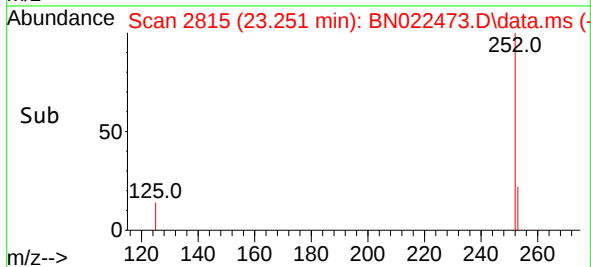
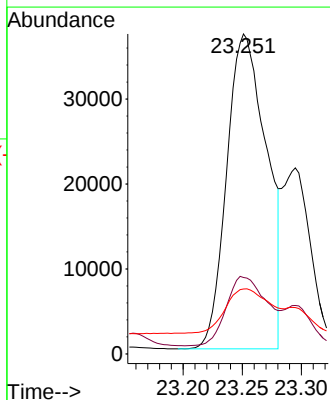
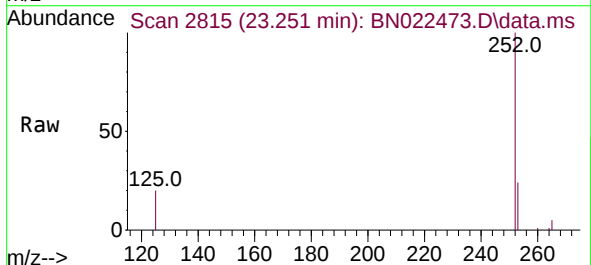
Manual Integrations
APPROVED

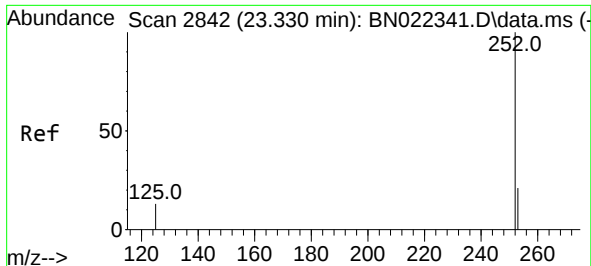
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#37
Benzo(b)fluoranthene
Concen: 2.553 ng
RT: 23.251 min Scan# 2815
Delta R.T. 0.003 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

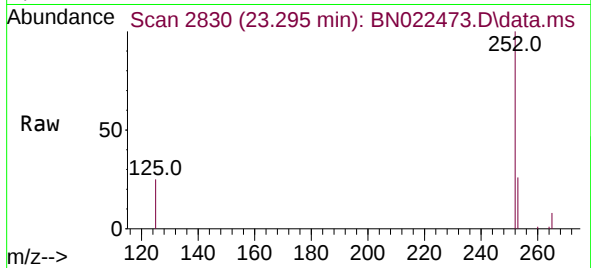
Tgt Ion:252 Resp: 86712
Ion Ratio Lower Upper
252 100
253 23.9 20.4 30.6
125 20.3 16.6 25.0





#38
Benzo(k)fluoranthene
Concen: 1.071 ng m
RT: 23.295 min Scan# 2842
Delta R.T. -0.003 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

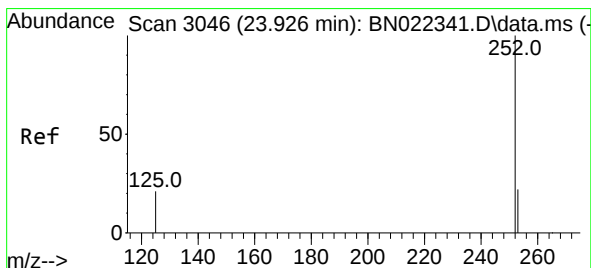
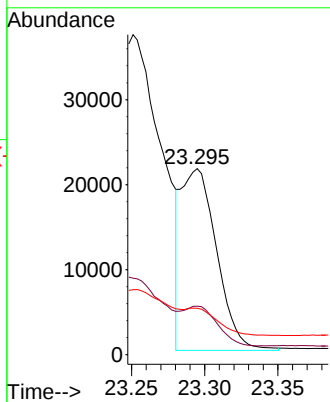
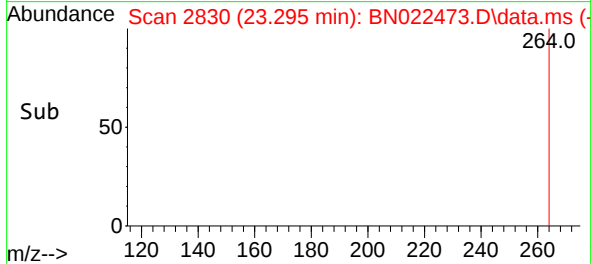
Instrument :
BNA_N
ClientSampleId :
S-10-103122



Tgt Ion:252 Resp: 36199
Ion Ratio Lower Upper
252 100
253 26.0 19.8 29.8
125 24.9 15.0 22.6

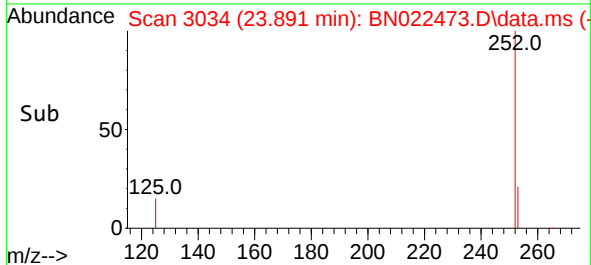
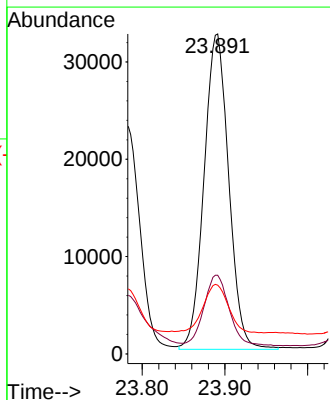
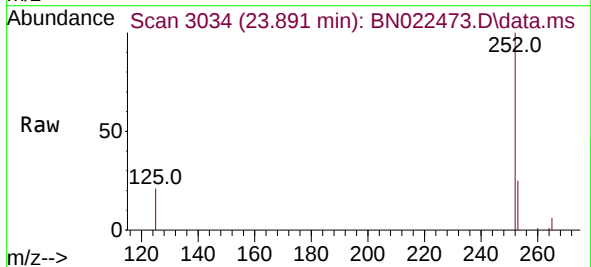
Manual Integrations
APPROVED

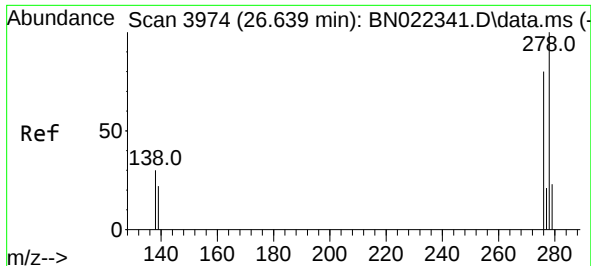
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#39
Benzo(a)pyrene
Concen: 2.437 ng m
RT: 23.891 min Scan# 3034
Delta R.T. 0.000 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

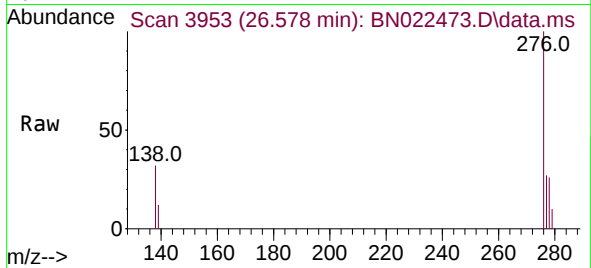
Tgt Ion:252 Resp: 67341
Ion Ratio Lower Upper
252 100
253 24.6 21.9 32.9
125 21.5 22.9 34.3





#40
Dibenzo(a,h)anthracene
Concen: 0.391 ng
RT: 26.578 min Scan# 3974
Delta R.T. -0.009 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

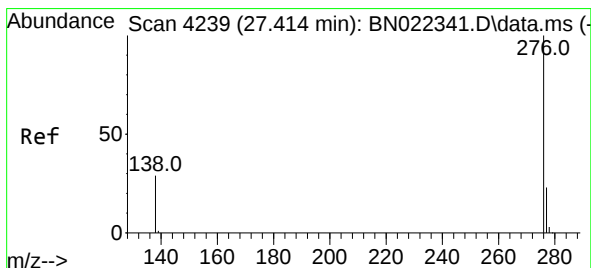
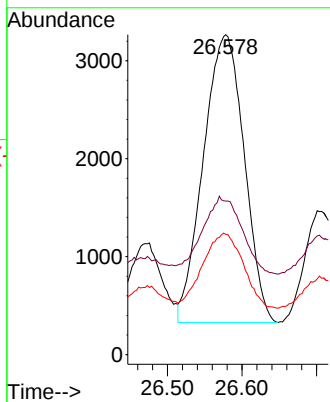
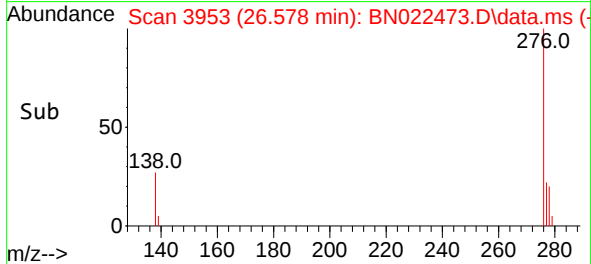
Instrument :
BNA_N
ClientSampleId :
S-10-103122



Tgt Ion:278 Resp: 11182
Ion Ratio Lower Upper
278 100
139 48.0 20.2 30.2
279 37.6 21.0 31.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#41
Benzo(g,h,i)perylene
Concen: 1.441 ng
RT: 27.362 min Scan# 4221
Delta R.T. 0.003 min
Lab File: BN022473.D
Acq: 02 Nov 2022 20:51

Tgt Ion:276 Resp: 43518
Ion Ratio Lower Upper
276 100
277 25.6 19.5 29.3
138 32.7 25.0 37.4

