

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
 Data File : BN022472.D
 Acq On : 02 Nov 2022 20:13
 Operator : CG/JU
 Sample : N5395-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-11-103122

Manual Integrations
 APPROVED

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

Quant Time: Nov 03 06:26:22 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	3041	0.400	ng	0.00
7) Naphthalene-d8	10.752	136	10111	0.400	ng	# 0.00
13) Acenaphthene-d10	14.600	164	5438	0.400	ng	0.01
19) Phenanthrene-d10	17.350	188	10316	0.400	ng	0.00
29) Chrysene-d12	21.555	240	7781	0.400	ng	# 0.00
35) Perylene-d12	24.002	264	6507	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.465	112	2818	0.348	ng	0.00
5) Phenol-d6	7.090	99	3567	0.351	ng	0.00
8) Nitrobenzene-d5	9.097	82	2429	0.278	ng	-0.01
11) 2-Methylnaphthalene-d10	12.346	152	3247	0.205	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	687	0.294	ng	0.00
15) 2-Fluorobiphenyl	13.221	172	4813	0.207	ng	0.00
27) Fluoranthene-d10	19.390	212	3683	0.129	ng	0.00
31) Terphenyl-d14	19.985	244	3544	0.175	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.350	93	929	0.095	ng	89
9) Naphthalene	10.806	128	62306	2.061	ng	98
16) Acenaphthylene	14.322	152	21905	0.831	ng	98
17) Acenaphthene	14.664	154	4733	0.264	ng	99
18) Fluorene	15.648	166	8495	0.339	ng	# 95
25) Phenanthrene	17.387	178	91078	2.575	ng	99
26) Anthracene	17.487	178	28087	0.943	ng	99
28) Fluoranthene	19.420	202	185069	4.826	ng	99
30) Pyrene	19.787	202	189245	5.285	ng	96
32) Benzo(a)anthracene	21.537	228	95617	3.121	ng	97
33) Chrysene	21.591	228	94473m	2.951	ng	
34) Bis(2-ethylhexyl)phtha...	21.448	149	8544	0.391	ng	# 89
36) Indeno(1,2,3-cd)pyrene	26.572	276	69388	2.159	ng	94
37) Benzo(b)fluoranthene	23.251	252	99363	3.336	ng	97
38) Benzo(k)fluoranthene	23.295	252	33493m	1.131	ng	
39) Benzo(a)pyrene	23.891	252	75424m	3.112	ng	
40) Dibenzo(a,h)anthracene	26.581	278	17366	0.692	ng	# 75
41) Benzo(g,h,i)perylene	27.362	276	67496	2.548	ng	98

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

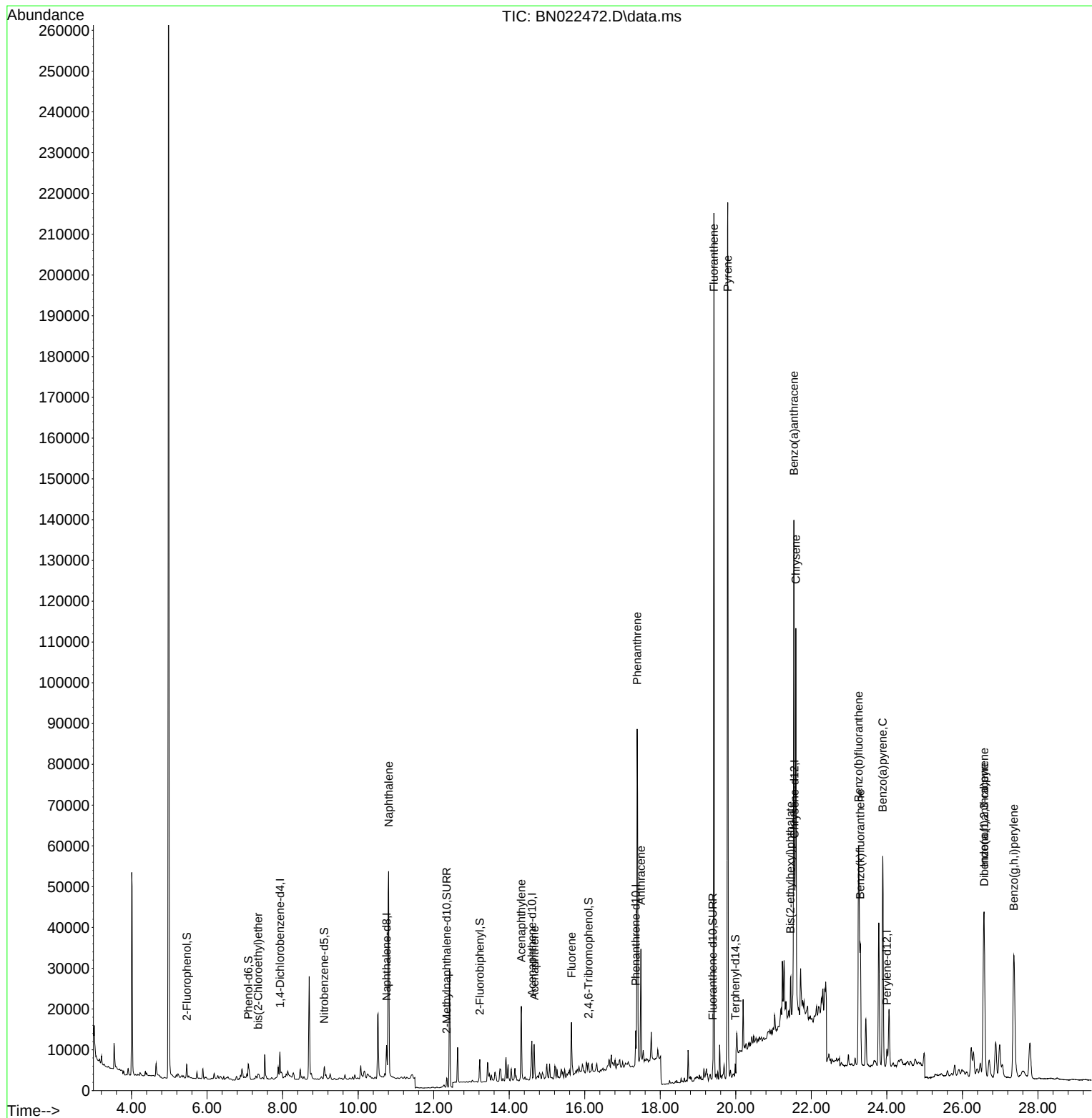
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
Data File : BN022472.D
Acq On : 02 Nov 2022 20:13
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Sample : N5395-03
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ALS Vial : 16 Sample Multiplier: 1

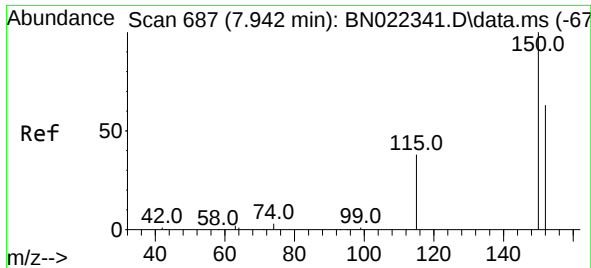
Instrument :
BNA_N
ClientSampleId :
S-11-103122

Quant Time: Nov 03 06:26:22 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

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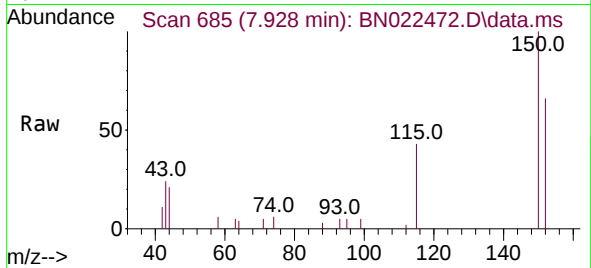
Reviewed By : Christian Giraldo 11/03/2022
Supervised By : mohammad ahmed 11/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.928 min Scan# 687
Delta R.T. -0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

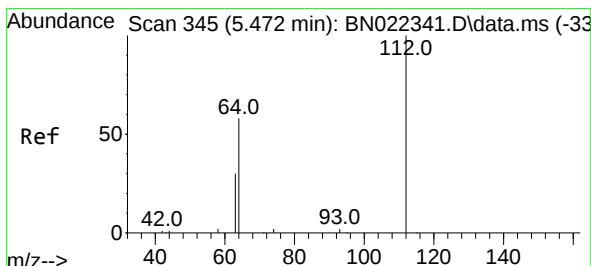
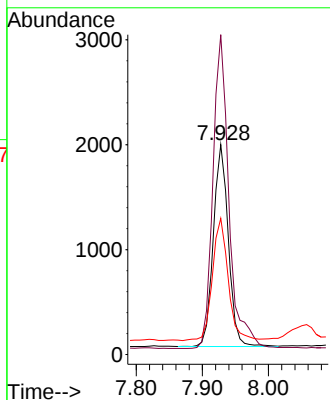
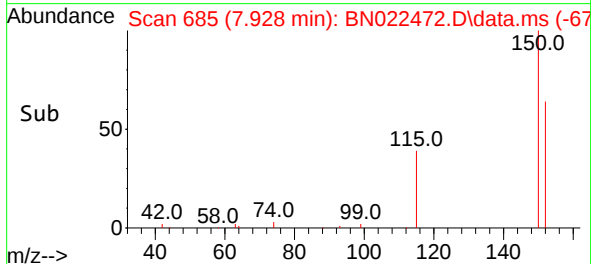
Instrument :
BNA_N
ClientSampleId :
S-11-103122



Tgt Ion:152 Resp: 3041
Ion Ratio Lower Upper
152 100
150 152.3 125.2 187.8
115 64.9 52.0 78.0

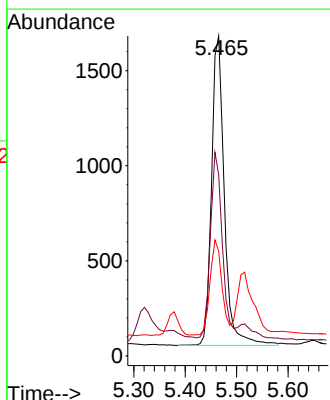
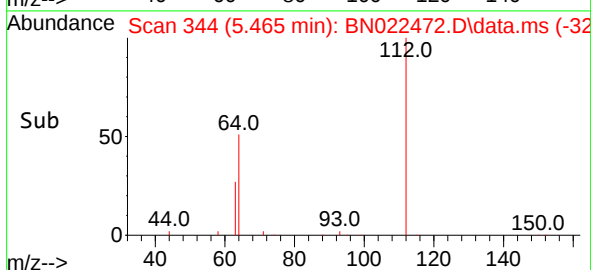
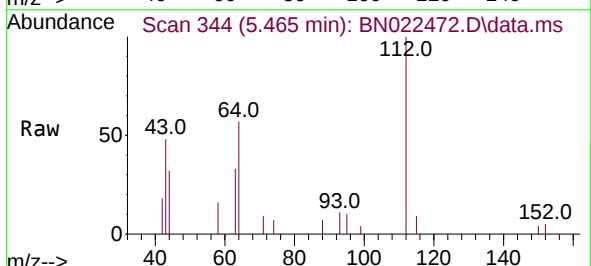
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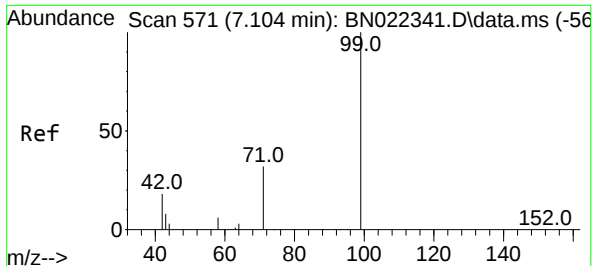
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#4
2-Fluorophenol
Concen: 0.348 ng
RT: 5.465 min Scan# 344
Delta R.T. 0.007 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

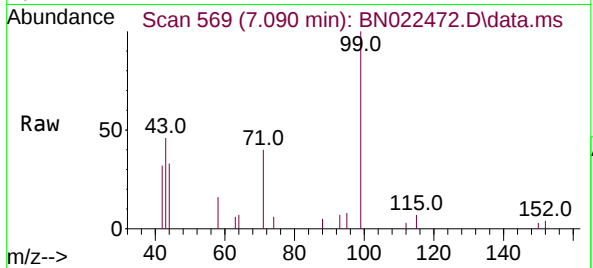
Tgt Ion:112 Resp: 2818
Ion Ratio Lower Upper
112 100
64 55.0 47.0 70.4
63 28.4 24.5 36.7





#5
Phenol-d6
Concen: 0.351 ng
RT: 7.090 min Scan# 569
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

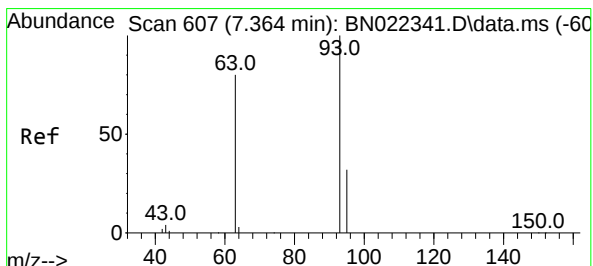
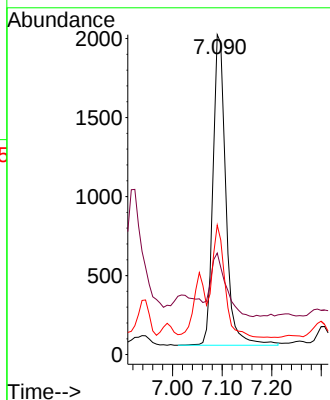
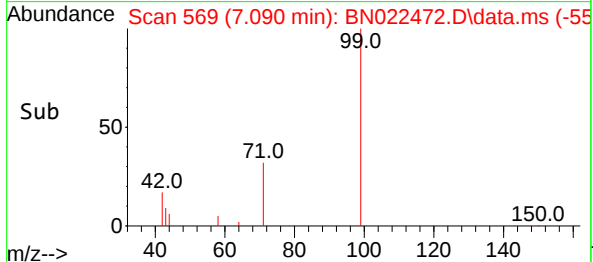
Instrument :
BNA_N
ClientSampleId :
S-11-103122



Tgt Ion: 99 Resp: 3562
Ion Ratio Lower Upper
99 100
42 24.3 16.3 24.5
71 35.7 26.1 39.1

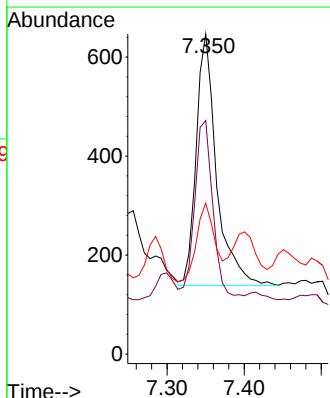
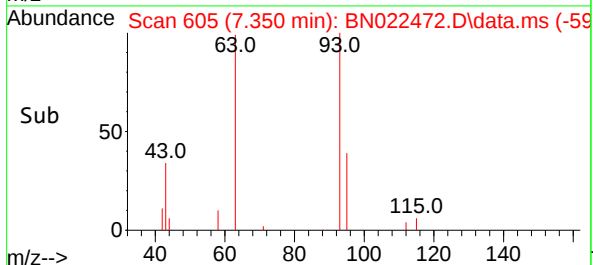
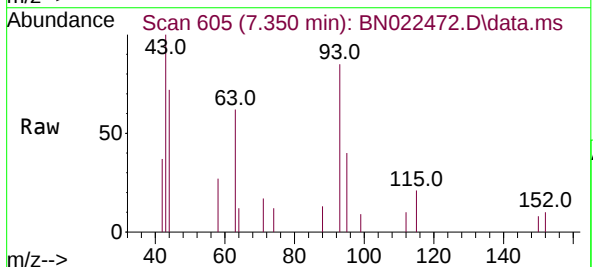
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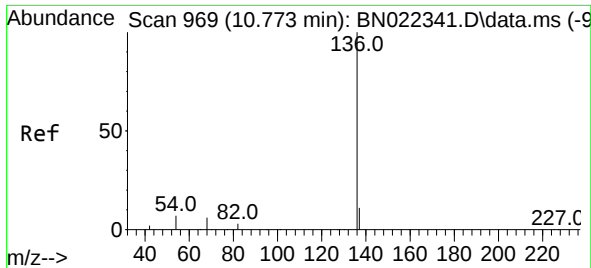
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#6
bis(2-Chloroethyl)ether
Concen: 0.095 ng
RT: 7.350 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

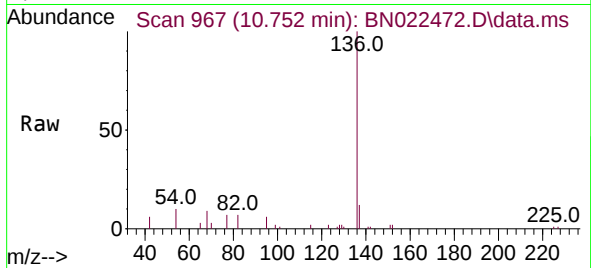
Tgt Ion: 93 Resp: 929
Ion Ratio Lower Upper
93 100
63 67.3 62.6 93.8
95 27.9 26.1 39.1





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

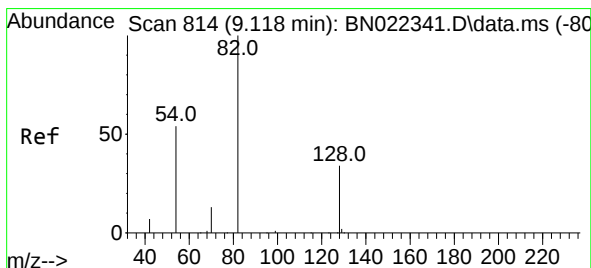
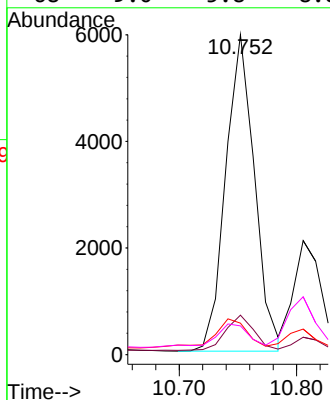
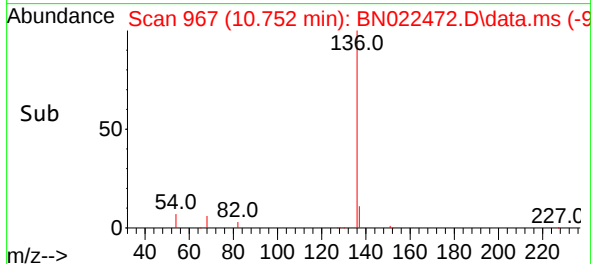
Instrument :
BNA_N
ClientSampleId :
S-11-103122



Tgt Ion: 136 Resp: 1011
Ion Ratio Lower Upper
136 100
137 12.3 9.4 14.2
54 9.8 6.5 9.7
68 9.0 5.8 8.8

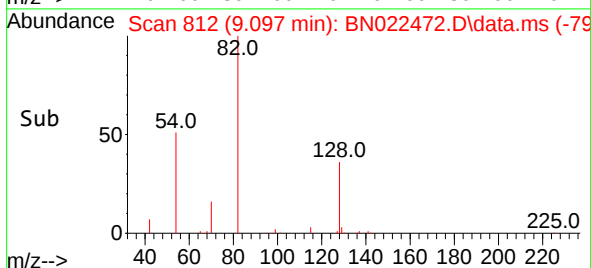
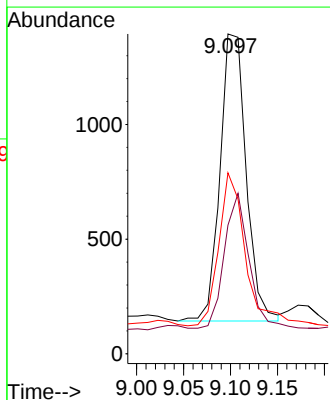
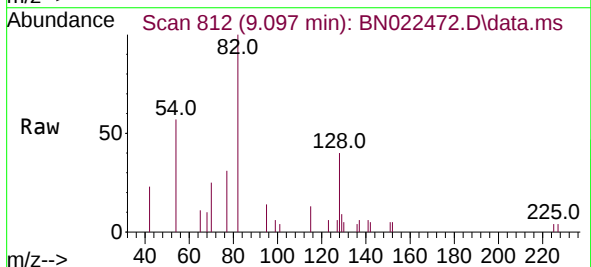
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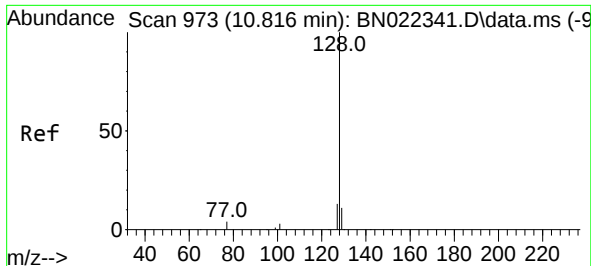
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#8
Nitrobenzene-d5
Concen: 0.278 ng
RT: 9.097 min Scan# 812
Delta R.T. -0.011 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion: 82 Resp: 2429
Ion Ratio Lower Upper
82 100
128 40.2 30.5 45.7
54 56.6 45.2 67.8





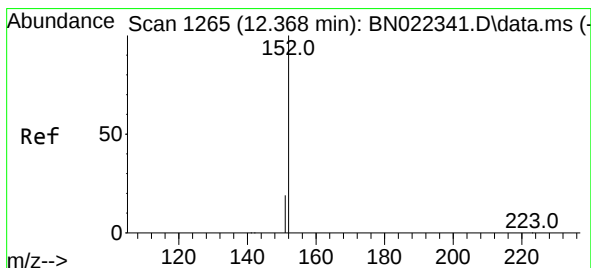
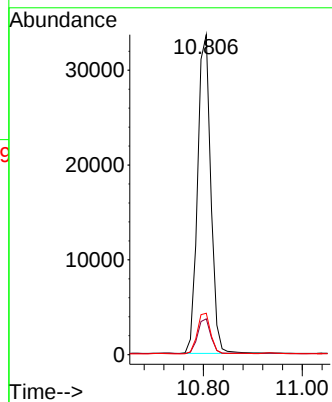
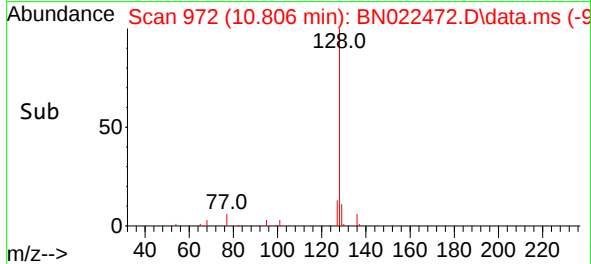
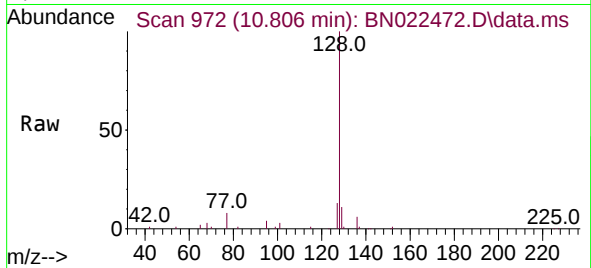
#9
Naphthalene
Concen: 2.061 ng
RT: 10.806 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Instrument :
BNA_N
ClientSampleId :
S-11-103122

Tgt Ion:128 Resp: 62306
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 12.9 11.0 16.6

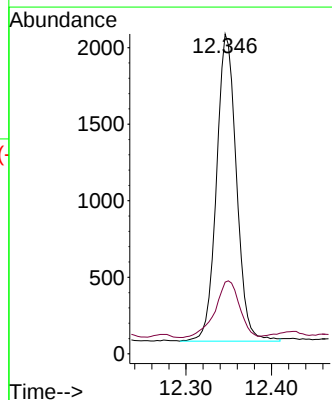
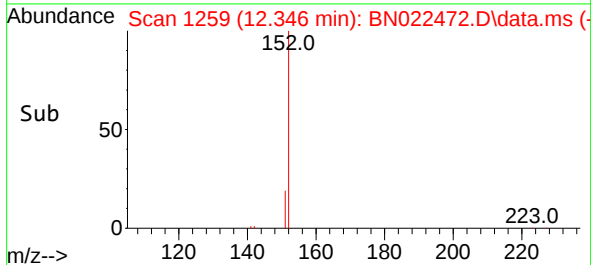
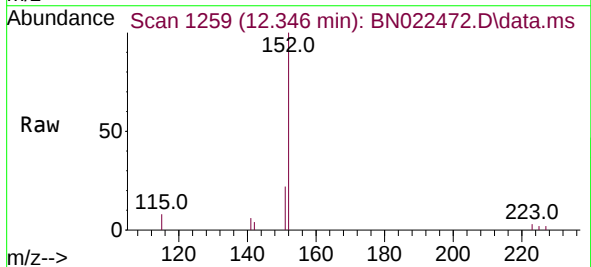
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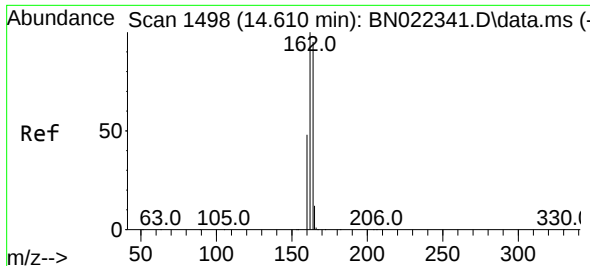
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#11
2-Methylnaphthalene-d10
Concen: 0.205 ng
RT: 12.346 min Scan# 1259
Delta R.T. -0.004 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

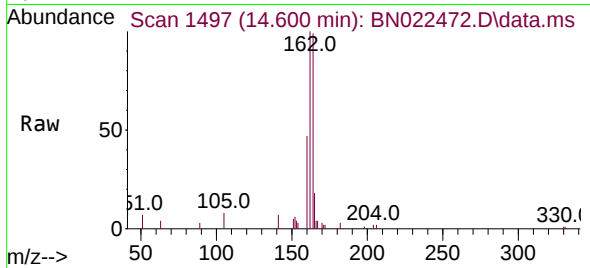
Tgt Ion:152 Resp: 3247
Ion Ratio Lower Upper
152 100
151 23.1 16.7 25.1





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.600 min Scan# 1498
Delta R.T. 0.011 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

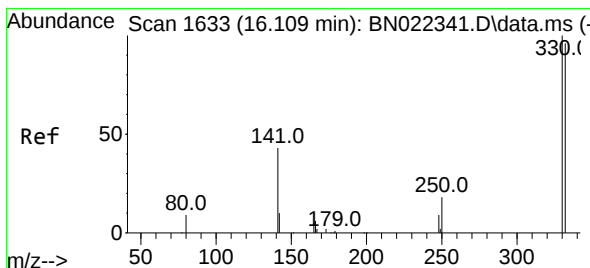
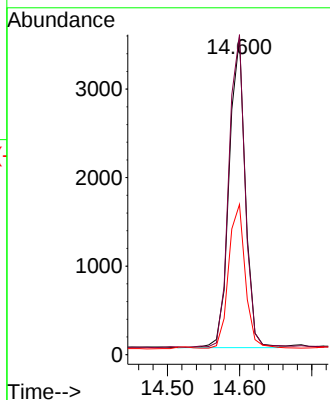
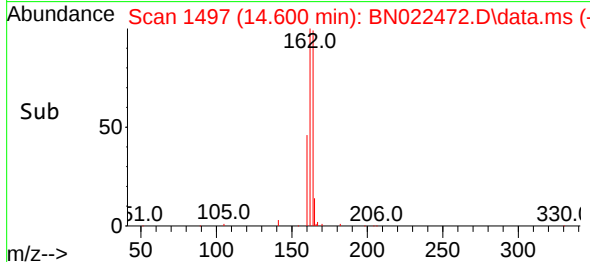
Instrument :
BNA_N
ClientSampleId :
S-11-103122



Tgt Ion:164 Resp: 5438
Ion Ratio Lower Upper
164 100
162 100.8 83.9 125.9
160 47.3 41.0 61.4

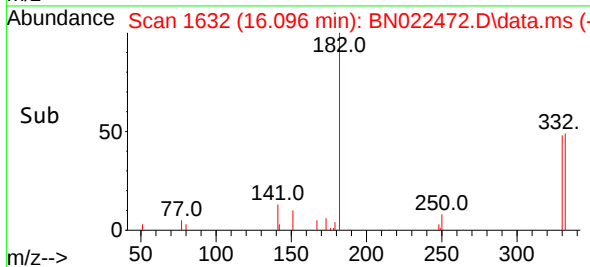
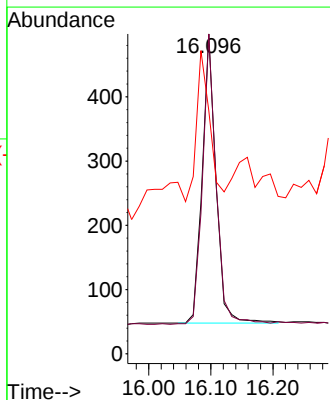
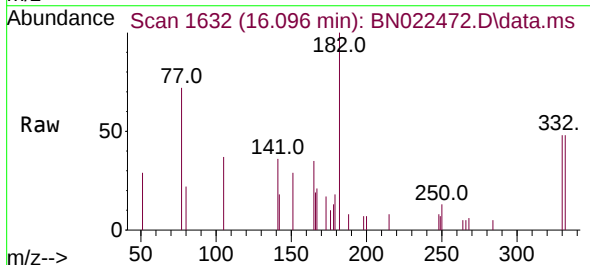
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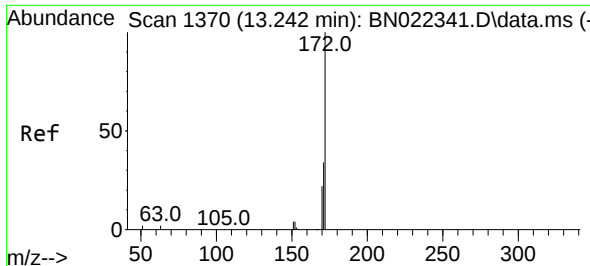
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#14
2,4,6-Tribromophenol
Concen: 0.294 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion:330 Resp: 687
Ion Ratio Lower Upper
330 100
332 100.0 78.6 118.0
141 49.9 40.2 60.4





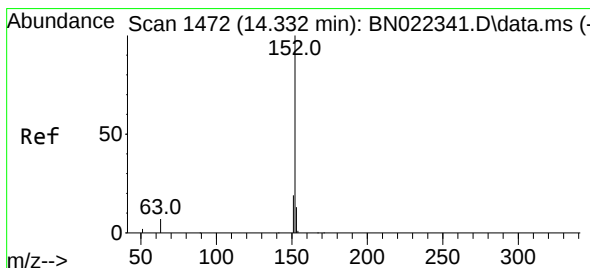
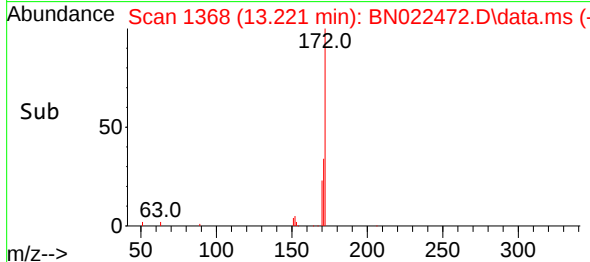
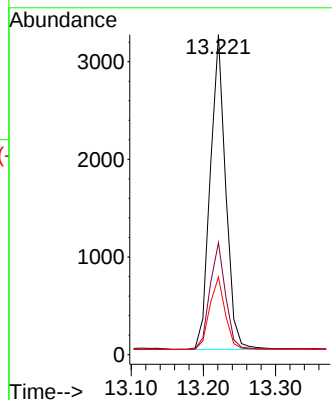
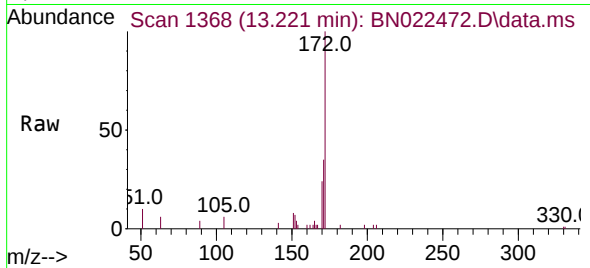
#15
2-Fluorobiphenyl
Concen: 0.207 ng
RT: 13.221 min Scan# 1368
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Instrument :
BNA_N
ClientSampleId :
S-11-103122

Tgt Ion:	172	Resp:	481
Ion Ratio	Lower	Upper	
172	100		
171	35.0	27.4	41.0
170	24.2	18.5	27.7

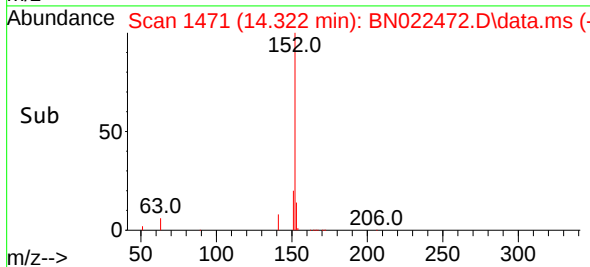
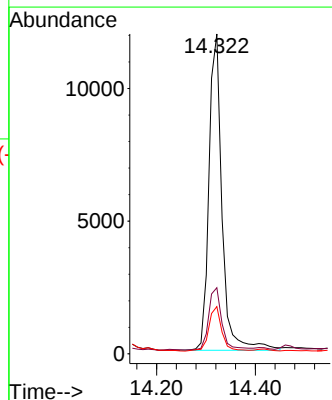
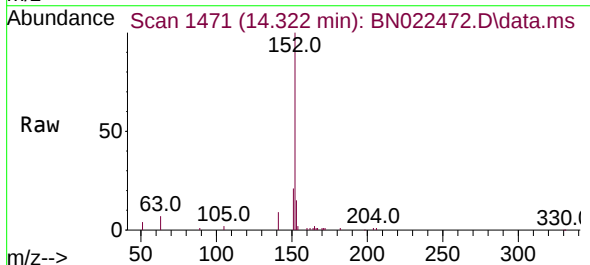
Manual Integrations
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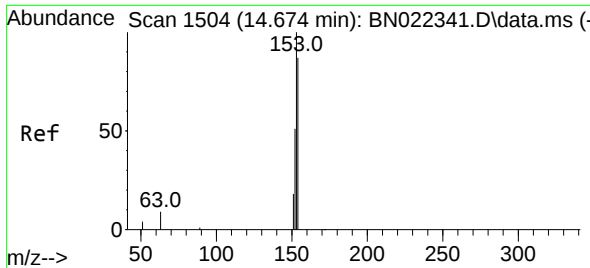
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#16
Acenaphthylene
Concen: 0.831 ng
RT: 14.322 min Scan# 1471
Delta R.T. 0.011 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

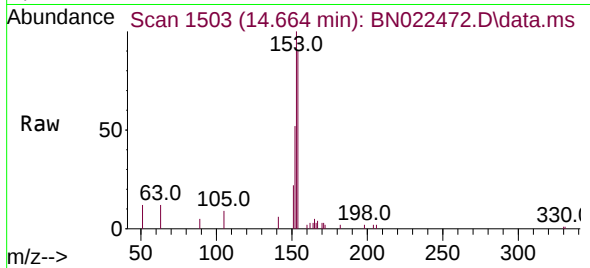
Tgt Ion:	152	Resp:	21905
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.2	22.8
153	13.8	10.3	15.5





#17
Acenaphthene
Concen: 0.264 ng
RT: 14.664 min Scan# 1503
Delta R.T. 0.011 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

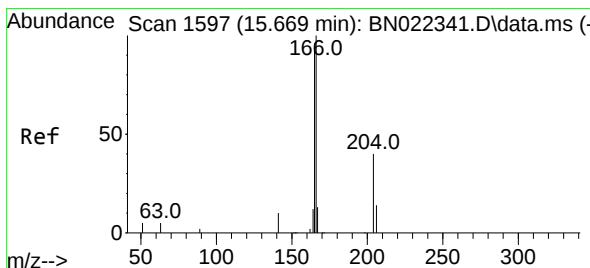
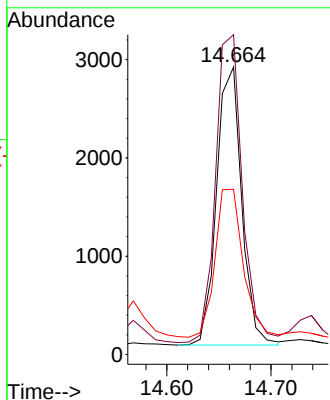
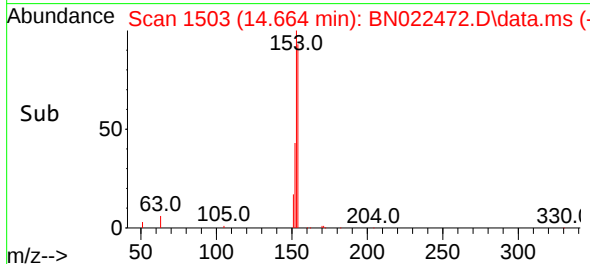
Instrument :
BNA_N
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S-11-103122



Tgt Ion:154 Resp: 4733
Ion Ratio Lower Upper
154 100
153 117.4 92.2 138.2
152 59.6 47.6 71.4

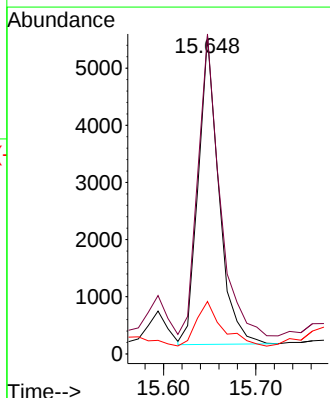
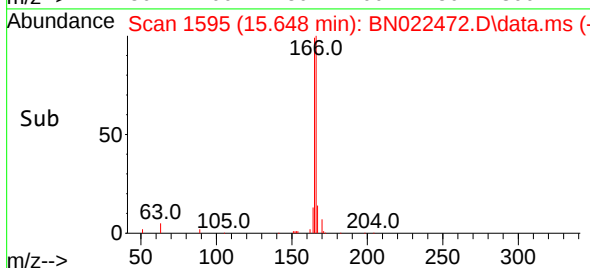
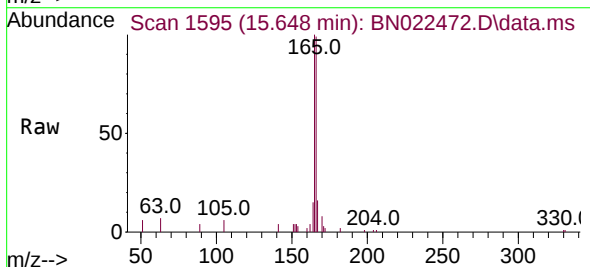
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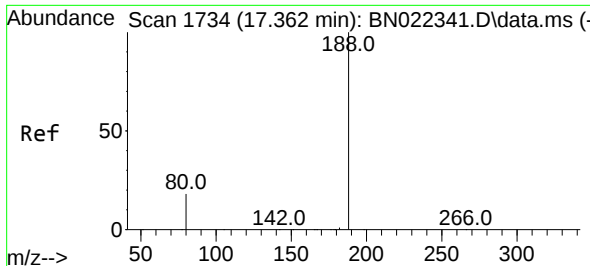
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#18
Fluorene
Concen: 0.339 ng
RT: 15.648 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion:166 Resp: 8495
Ion Ratio Lower Upper
166 100
165 102.7 78.6 118.0
167 17.8 10.2 15.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.350 min Scan# 1733

Delta R.T. 0.000 min

Lab File: BN022472.D

Acq: 02 Nov 2022 20:13

Instrument :

BNA_N

ClientSampleId :

S-11-103122

Tgt Ion:188 Resp: 10316

Ion Ratio Lower Upper

188 100

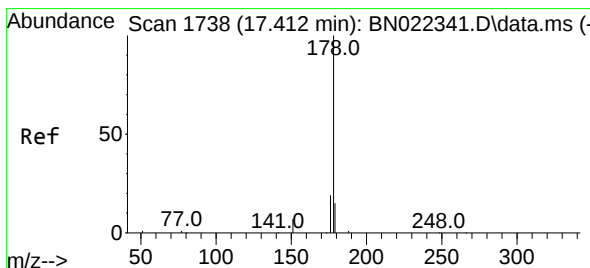
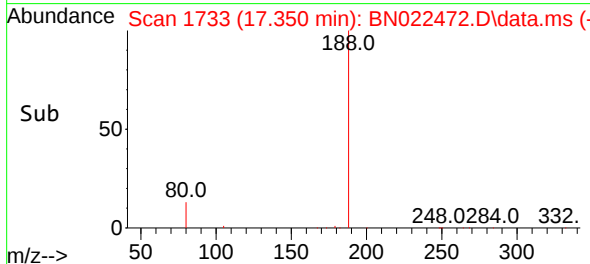
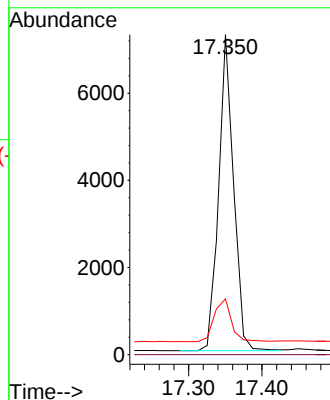
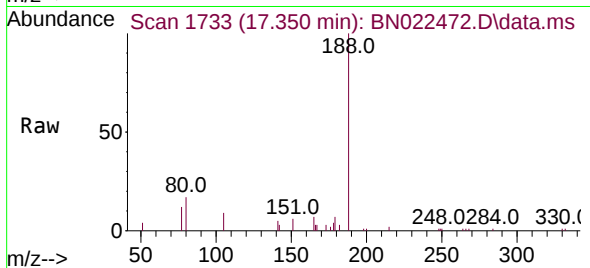
94 0.0 0.0 0.0

80 17.5 15.0 22.6

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



#25

Phenanthrene

Concen: 2.575 ng

RT: 17.387 min Scan# 1736

Delta R.T. 0.000 min

Lab File: BN022472.D

Acq: 02 Nov 2022 20:13

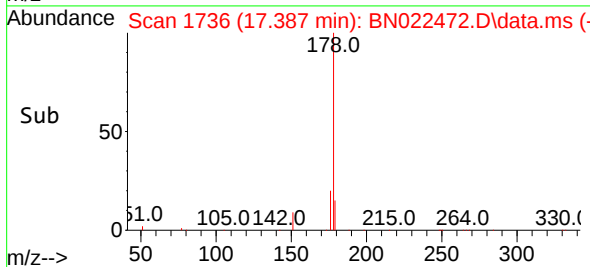
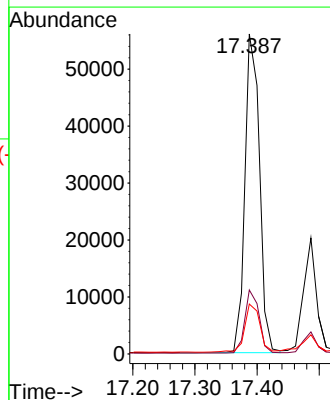
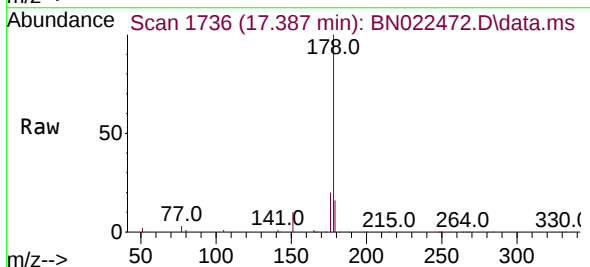
Tgt Ion:178 Resp: 91078

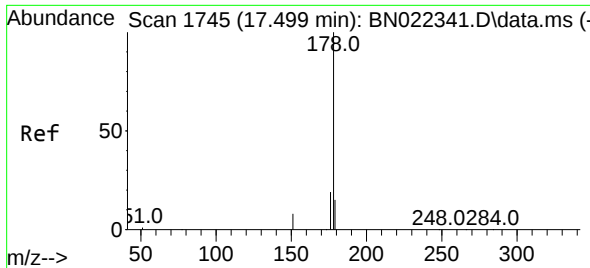
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.9 12.5 18.7





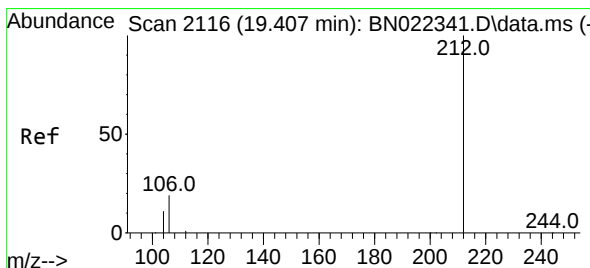
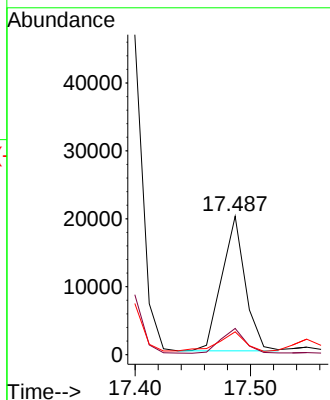
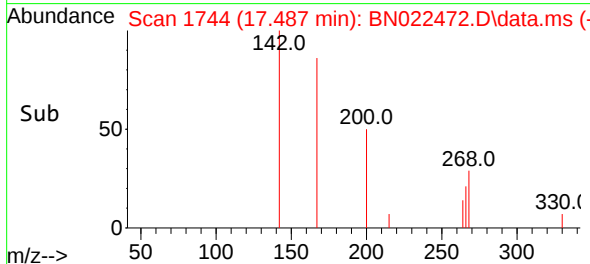
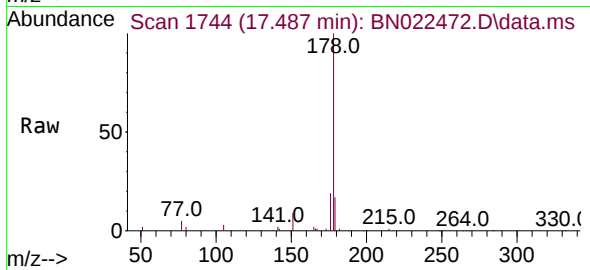
#26
 Anthracene
 Concen: 0.943 ng
 RT: 17.487 min Scan# 1744
 Delta R.T. 0.000 min
 Lab File: BN022472.D
 Acq: 02 Nov 2022 20:13

Instrument :
 BNA_N
 ClientSampleId :
 S-11-103122

Tgt Ion:178 Resp: 2808
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.0 22.4
 179 15.7 12.2 18.4

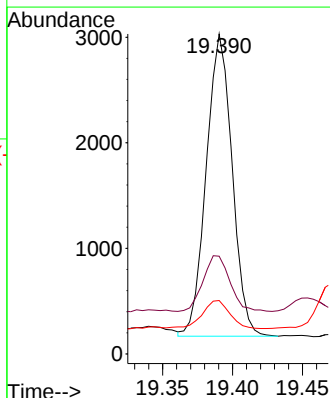
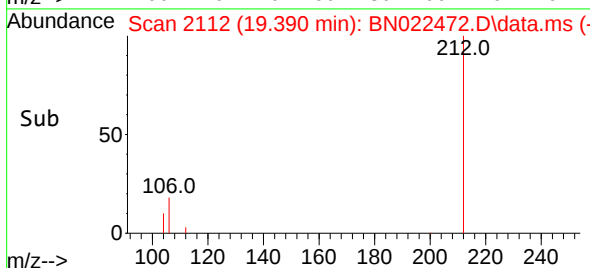
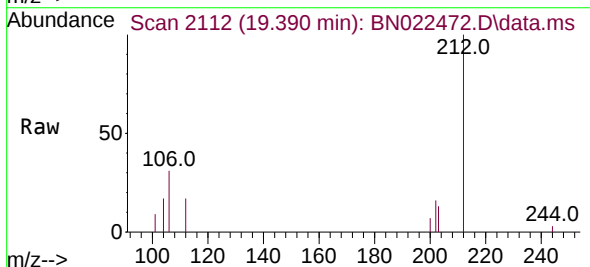
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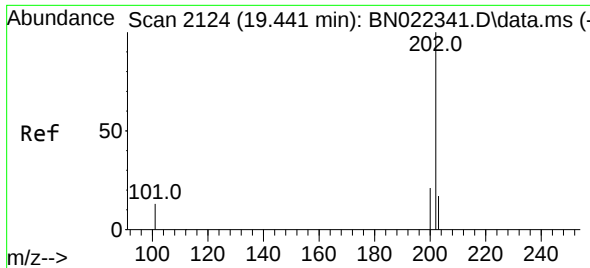
Reviewed By :Christian Giraldo 11/03/2022
 Supervised By :mohammad ahmed 11/07/2022



#27
 Fluoranthene-d10
 Concen: 0.129 ng
 RT: 19.390 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: BN022472.D
 Acq: 02 Nov 2022 20:13

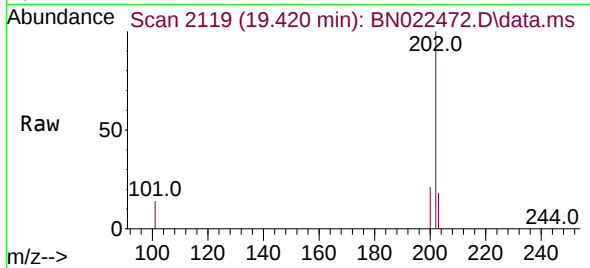
Tgt Ion:212 Resp: 3683
 Ion Ratio Lower Upper
 212 100
 106 19.1 15.0 22.4
 104 10.4 9.3 13.9





#28
Fluoranthene
Concen: 4.826 ng
RT: 19.420 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

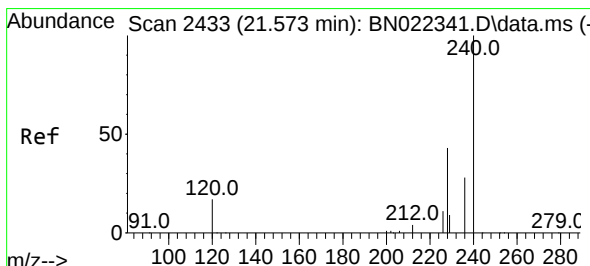
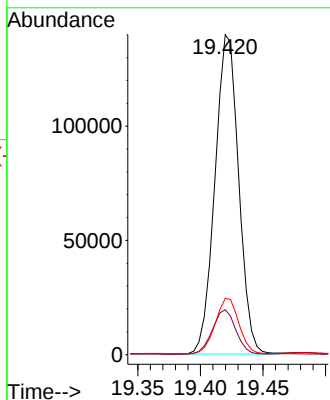
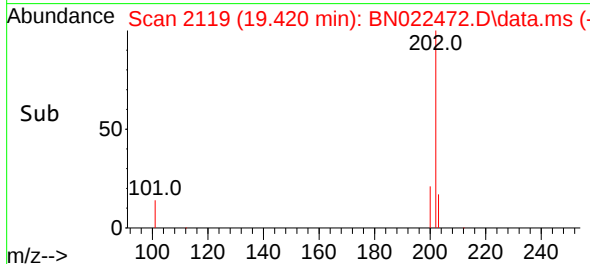
Instrument :
BNA_N
ClientSampleId :
S-11-103122



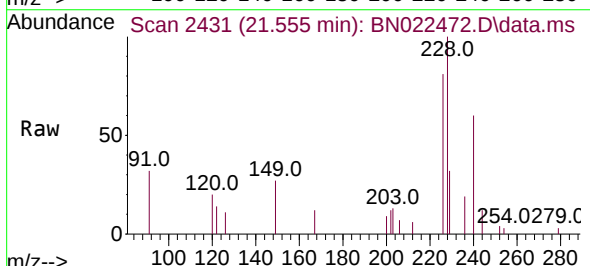
Tgt Ion:202 Resp: 185069
Ion Ratio Lower Upper
202 100
101 13.7 11.4 17.0
203 17.3 13.7 20.5

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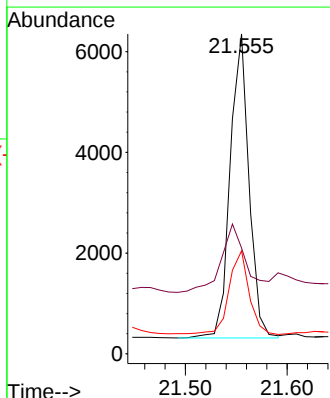
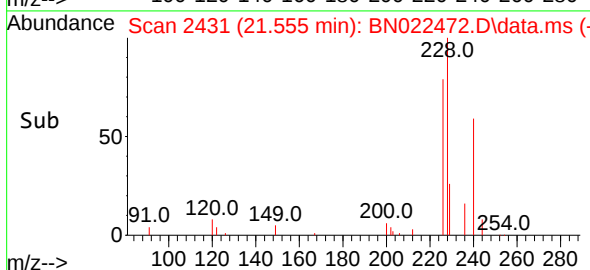
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

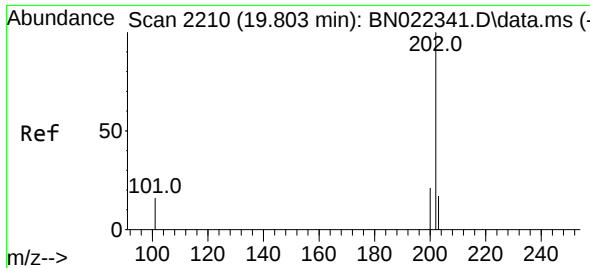


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13



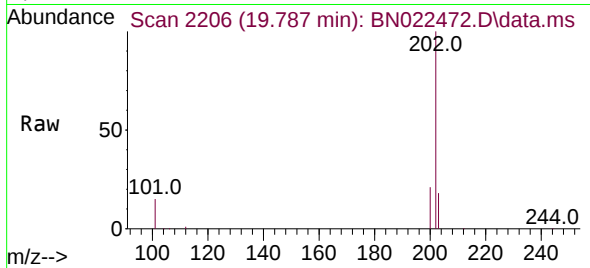
Tgt Ion:240 Resp: 7781
Ion Ratio Lower Upper
240 100
120 33.1 15.8 23.6
236 32.2 23.2 34.8





#30
Pyrene
Concen: 5.285 ng
RT: 19.787 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

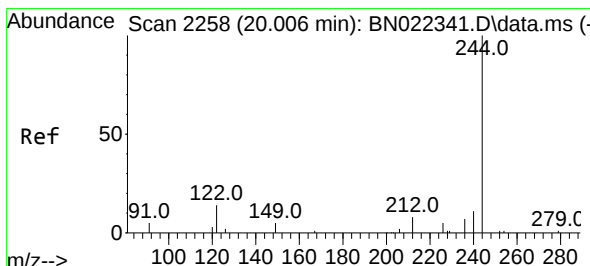
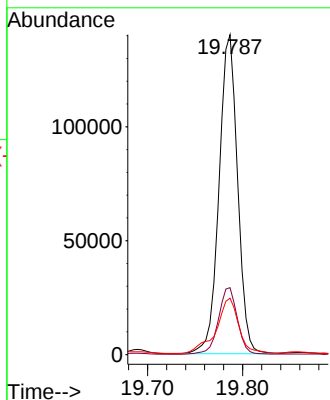
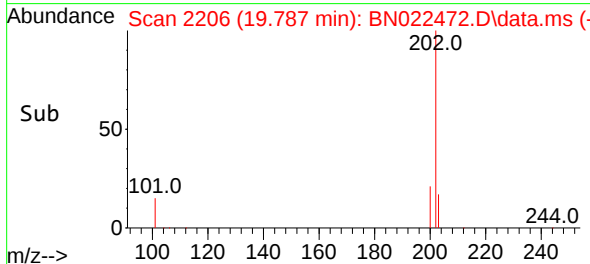
Instrument :
BNA_N
ClientSampleId :
S-11-103122



Tgt Ion:202 Resp: 189245
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 21.1 14.2 21.2

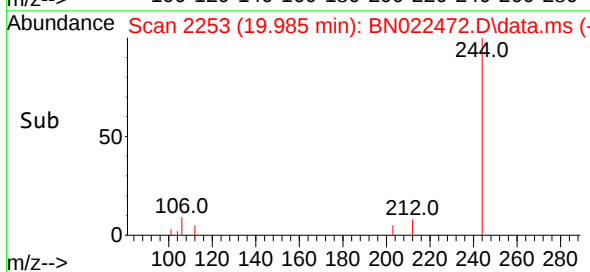
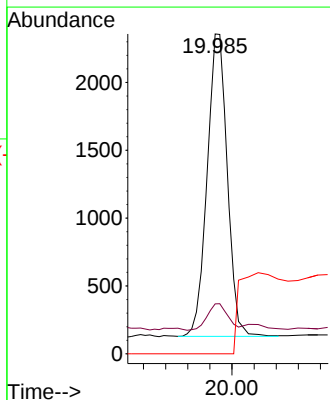
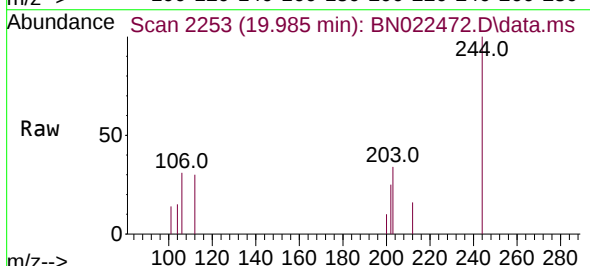
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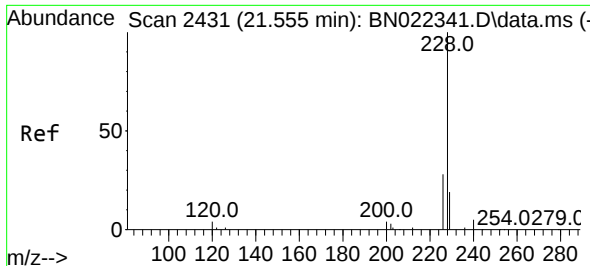
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#31
Terphenyl-d14
Concen: 0.175 ng
RT: 19.985 min Scan# 2253
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

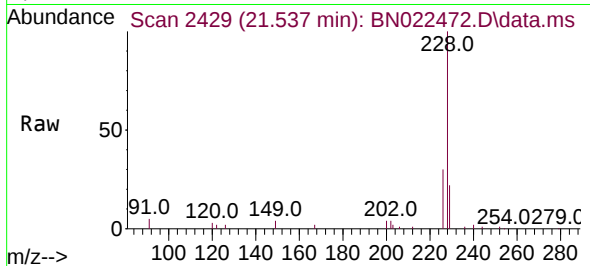
Tgt Ion:244 Resp: 3544
Ion Ratio Lower Upper
244 100
212 15.6 7.0 10.4#
122 0.0 11.5 17.3#





#32
Benzo(a)anthracene
Concen: 3.121 ng
RT: 21.537 min Scan# 2429
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

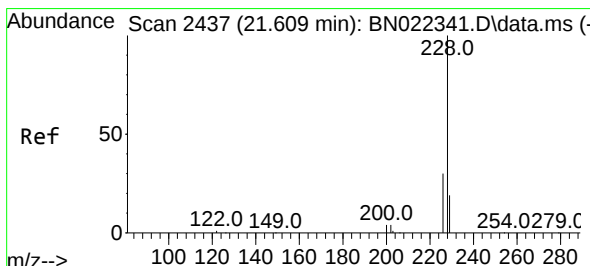
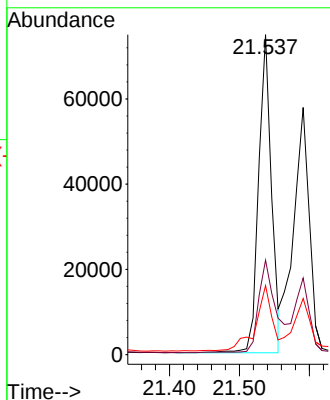
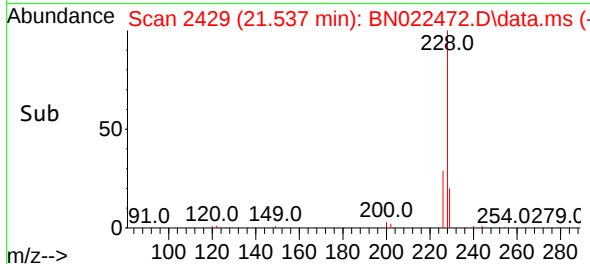
Instrument :
BNA_N
ClientSampleId :
S-11-103122



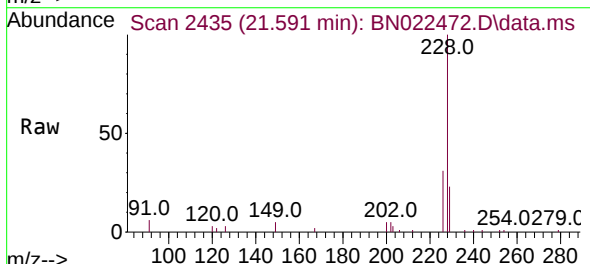
Tgt Ion:228 Resp: 95617
Ion Ratio Lower Upper
228 100
226 29.5 22.6 34.0
229 21.6 15.5 23.3

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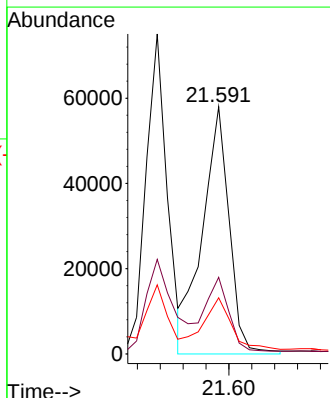
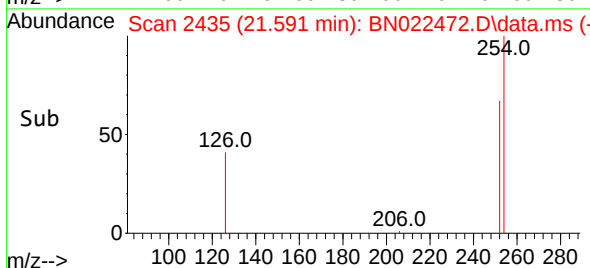
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

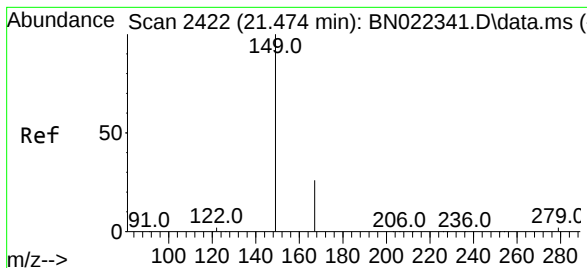


#33
Chrysene
Concen: 2.951 ng m
RT: 21.591 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13



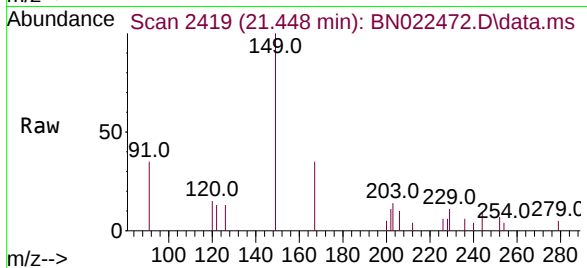
Tgt Ion:228 Resp: 94473
Ion Ratio Lower Upper
228 100
226 31.0 24.5 36.7
229 22.7 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.391 ng
RT: 21.448 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

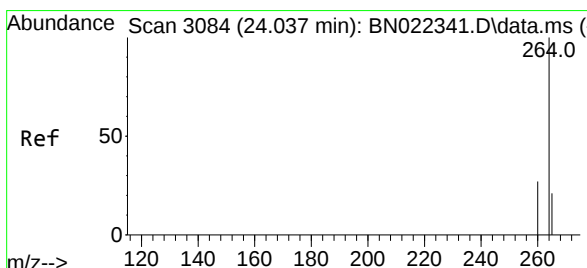
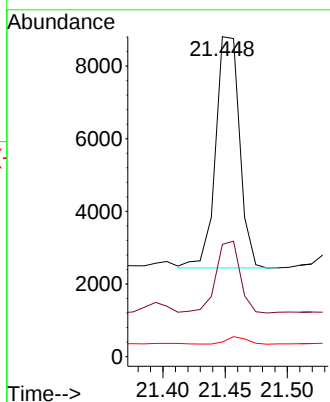
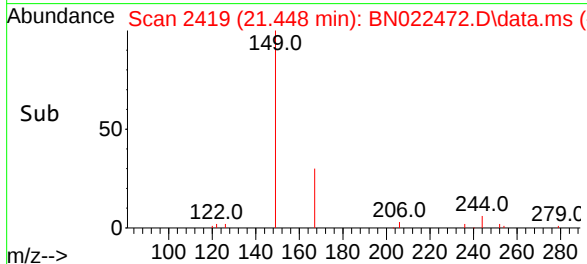
Instrument :
BNA_N
ClientSampleId :
S-11-103122



Tgt Ion:149 Resp: 8544
Ion Ratio Lower Upper
149 100
167 31.4 20.2 30.4
279 2.7 2.3 3.5

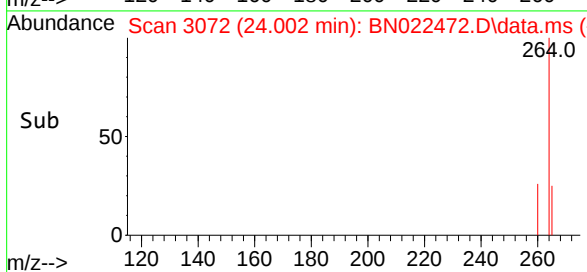
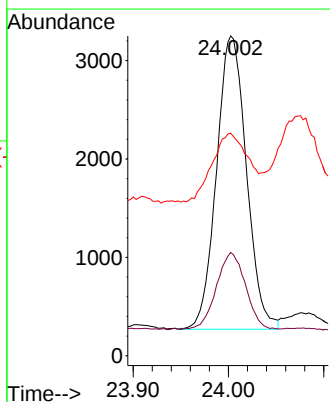
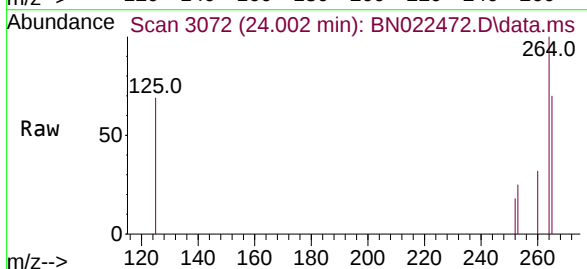
Manual Integrations
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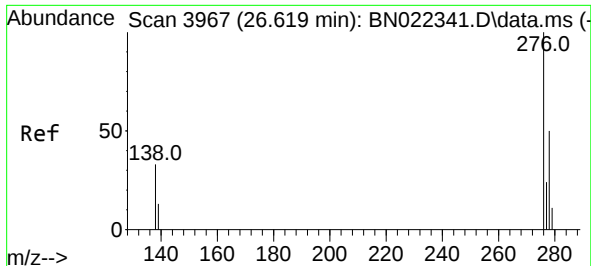
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.002 min Scan# 3072
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

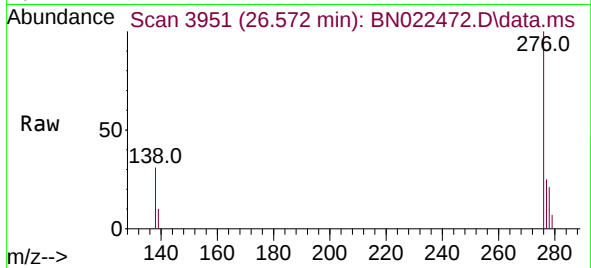
Tgt Ion:264 Resp: 6507
Ion Ratio Lower Upper
264 100
260 32.3 22.1 33.1
265 69.5 53.0 79.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 2.159 ng
RT: 26.572 min Scan# 3967
Delta R.T. 0.006 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

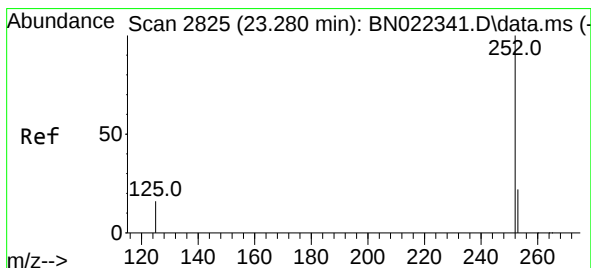
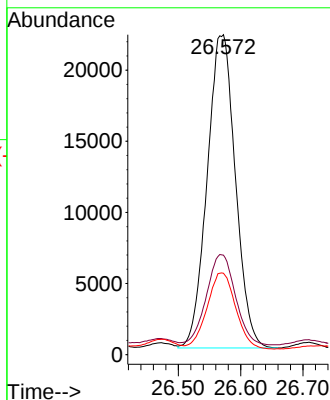
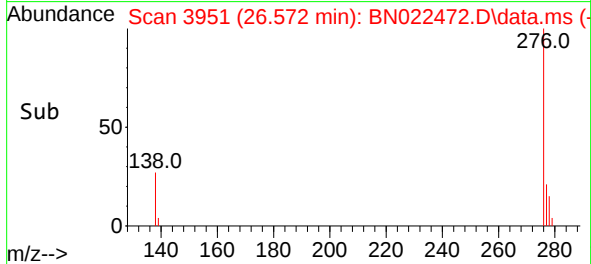
Instrument :
BNA_N
ClientSampleId :
S-11-103122



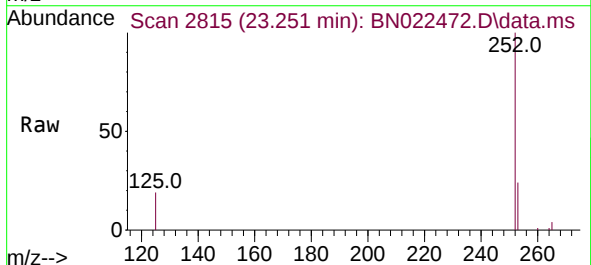
Tgt Ion:276 Resp: 69388
Ion Ratio Lower Upper
276 100
138 29.4 28.2 42.2
277 24.7 19.7 29.5

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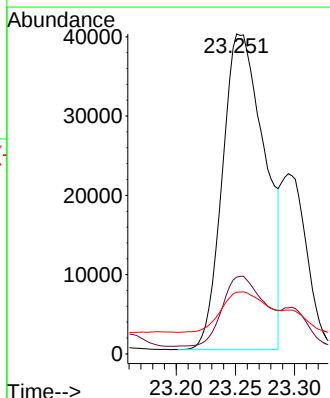
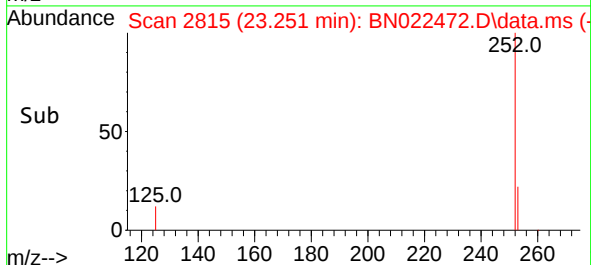
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

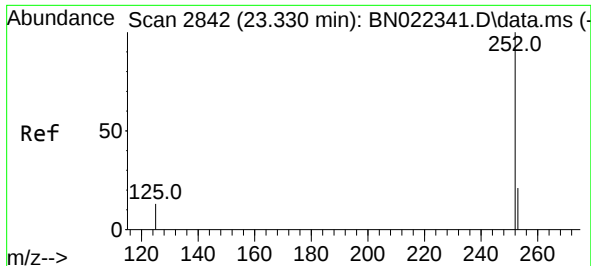


#37
Benzo(b)fluoranthene
Concen: 3.336 ng
RT: 23.251 min Scan# 2815
Delta R.T. 0.003 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13



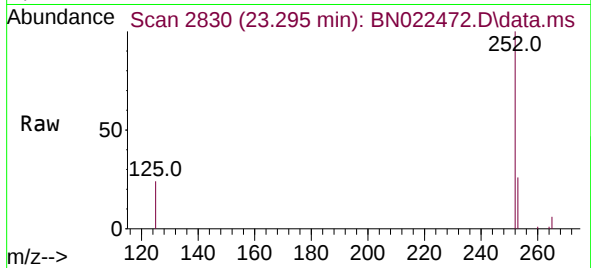
Tgt Ion:252 Resp: 99363
Ion Ratio Lower Upper
252 100
253 24.0 20.4 30.6
125 19.3 16.6 25.0





#38
Benzo(k)fluoranthene
Concen: 1.131 ng m
RT: 23.295 min Scan# 2842
Delta R.T. -0.003 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

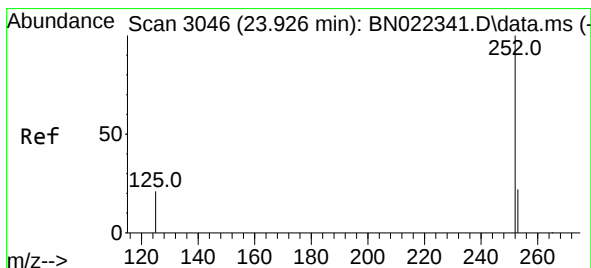
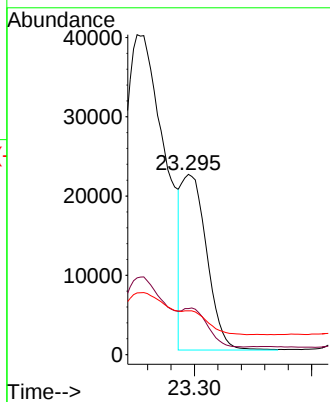
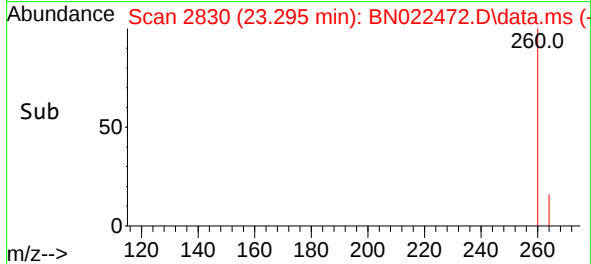
Instrument :
BNA_N
ClientSampleId :
S-11-103122



Tgt Ion:252 Resp: 33493
Ion Ratio Lower Upper
252 100
253 25.5 19.8 29.8
125 24.3 15.0 22.6

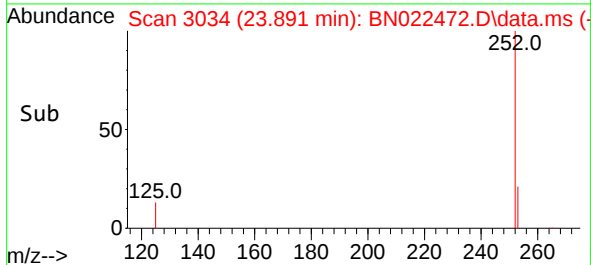
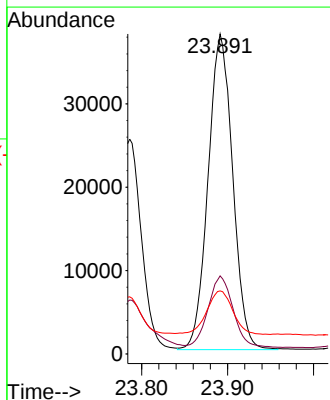
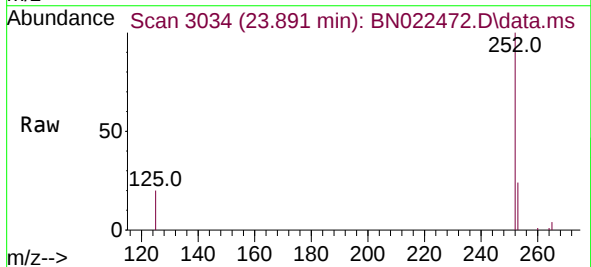
Manual Integrations
APPROVED

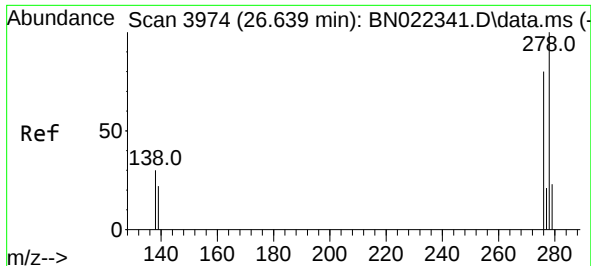
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#39
Benzo(a)pyrene
Concen: 3.112 ng m
RT: 23.891 min Scan# 3034
Delta R.T. 0.000 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

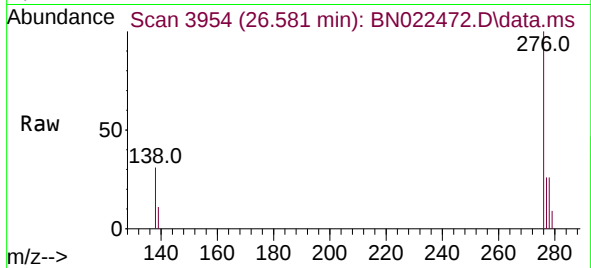
Tgt Ion:252 Resp: 75424
Ion Ratio Lower Upper
252 100
253 24.4 21.9 32.9
125 19.7 22.9 34.3





#40
Dibenzo(a,h)anthracene
Concen: 0.692 ng
RT: 26.581 min Scan# 3974
Delta R.T. -0.006 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

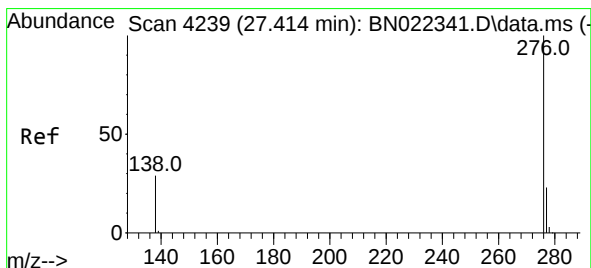
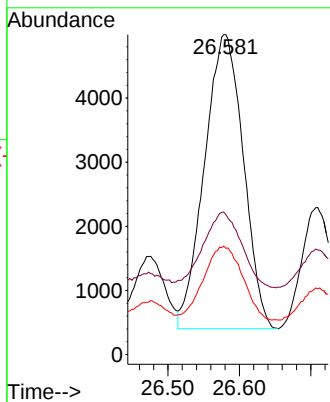
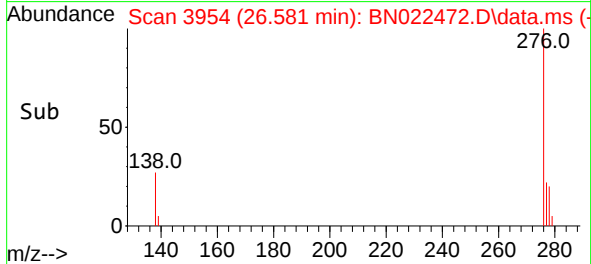
Instrument :
BNA_N
ClientSampleId :
S-11-103122



Tgt Ion:278 Resp: 17366
Ion Ratio Lower Upper
278 100
139 43.7 20.2 30.2
279 33.2 21.0 31.4

Manual Integrations
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#41
Benzo(g,h,i)perylene
Concen: 2.548 ng
RT: 27.362 min Scan# 4221
Delta R.T. 0.003 min
Lab File: BN022472.D
Acq: 02 Nov 2022 20:13

Tgt Ion:276 Resp: 67496
Ion Ratio Lower Upper
276 100
277 25.3 19.5 29.3
138 31.9 25.0 37.4

