

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
 Data File : BN022466.D
 Acq On : 02 Nov 2022 16:23
 Operator : CG/JU
 Sample : N5395-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-12-103122

Manual Integrations
 APPROVED

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

Quant Time: Nov 03 06:24:12 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	2741	0.400	ng	0.00
7) Naphthalene-d8	10.752	136	10894	0.400	ng	0.00
13) Acenaphthene-d10	14.600	164	5193	0.400	ng	0.01
19) Phenanthrene-d10	17.350	188	9754	0.400	ng	0.00
29) Chrysene-d12	21.564	240	8126	0.400	ng	# 0.00
35) Perylene-d12	24.014	264	8352	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.458	112	2792	0.382	ng	0.00
5) Phenol-d6	7.090	99	3051	0.333	ng	0.00
8) Nitrobenzene-d5	9.108	82	2014	0.214	ng	0.00
11) 2-Methylnaphthalene-d10	12.349	152	3252	0.190	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	615	0.276	ng	0.00
15) 2-Fluorobiphenyl	13.221	172	4795	0.216	ng	0.00
27) Fluoranthene-d10	19.395	212	5192	0.193	ng	0.00
31) Terphenyl-d14	19.989	244	4666	0.220	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.350	93	224	0.025	ng	# 92
9) Naphthalene	10.806	128	24359	0.748	ng	99
16) Acenaphthylene	14.322	152	22569	0.897	ng	99
17) Acenaphthene	14.664	154	2839	0.166	ng	97
18) Fluorene	15.648	166	5729	0.240	ng	# 94
25) Phenanthrene	17.400	178	68613	2.051	ng	100
26) Anthracene	17.487	178	26743	0.949	ng	99
28) Fluoranthene	19.424	202	170427	4.700	ng	99
30) Pyrene	19.791	202	160670	4.296	ng	96
32) Benzo(a)anthracene	21.546	228	102453	3.203	ng	95
33) Chrysene	21.600	228	90773	2.715	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.457	149	7804	0.334	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.584	276	46301	1.122	ng	95
37) Benzo(b)fluoranthene	23.263	252	104417	2.731	ng	# 93
38) Benzo(k)fluoranthene	23.307	252	35028m	0.921	ng	
39) Benzo(a)pyrene	23.903	252	81851	2.631	ng	95
40) Dibenzo(a,h)anthracene	26.596	278	13268	0.412	ng	# 50
41) Benzo(g,h,i)perylene	27.382	276	41805	1.230	ng	93

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

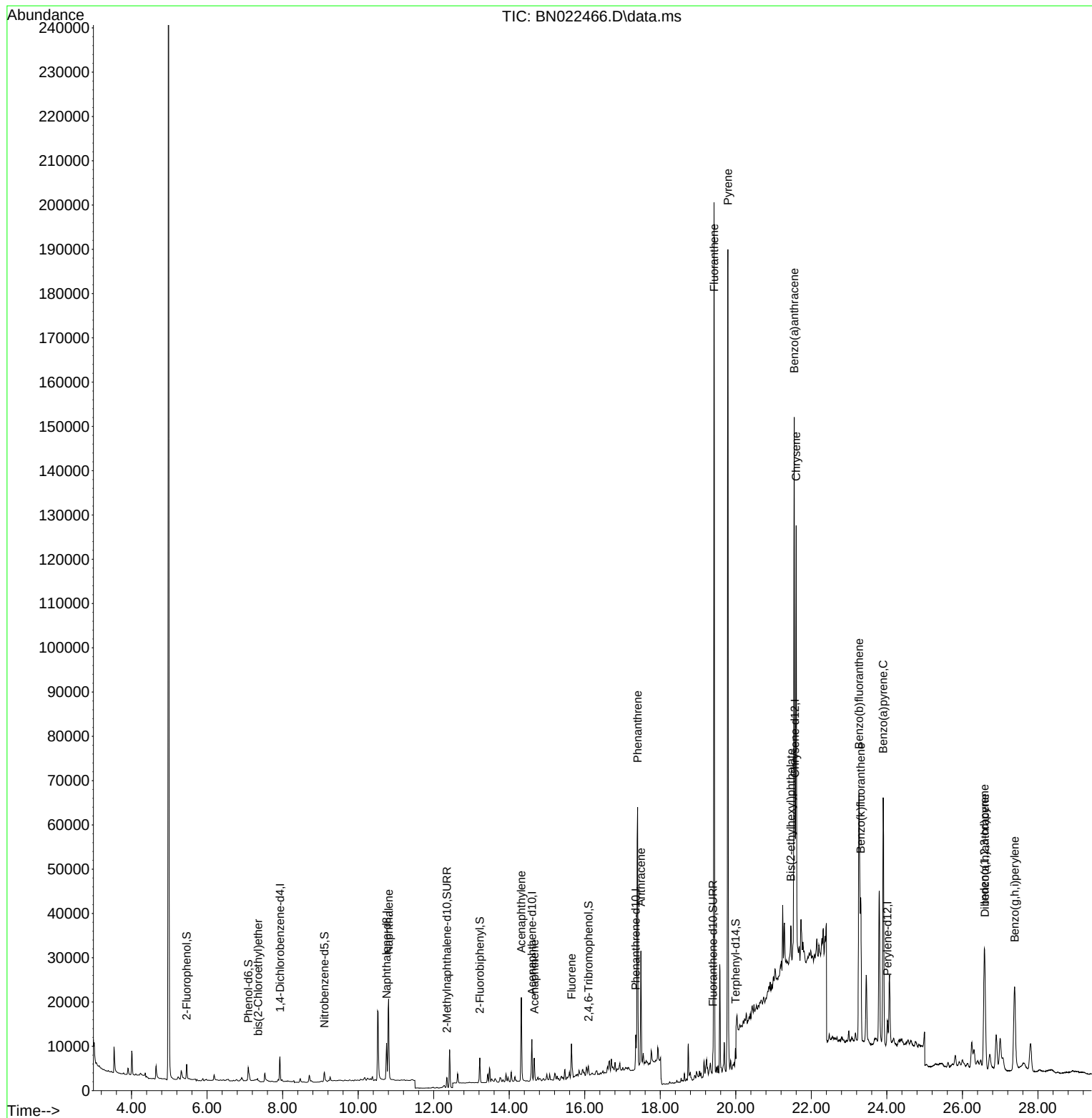
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110222\
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ALS Vial : 10 Sample Multiplier: 1

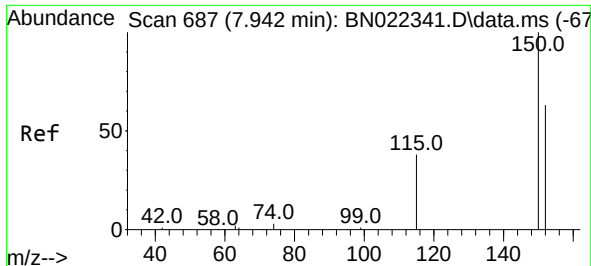
Instrument :
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S-12-103122

Quant Time: Nov 03 06:24:12 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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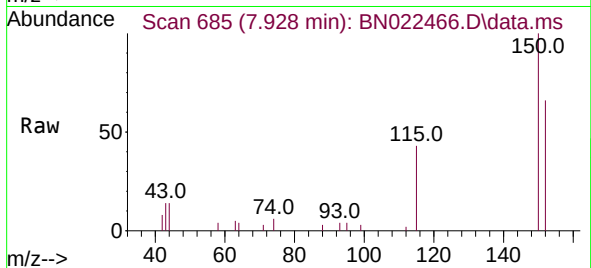
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.928 min Scan# 687
Delta R.T. -0.000 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

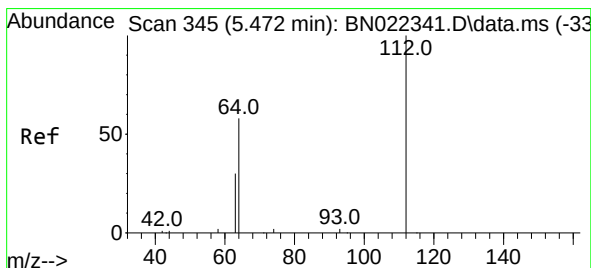
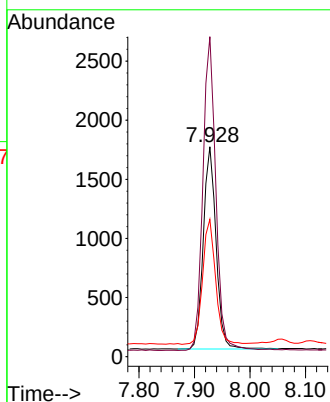
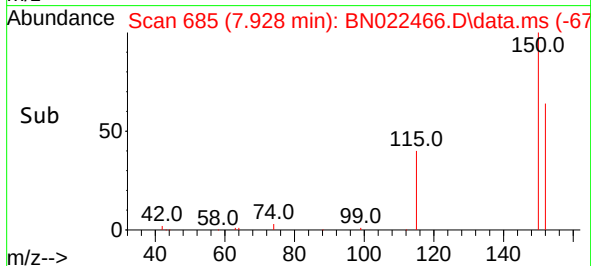
Instrument :
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S-12-103122



Tgt Ion:152 Resp: 2741
Ion Ratio Lower Upper
152 100
150 152.5 125.2 187.8
115 65.4 52.0 78.0

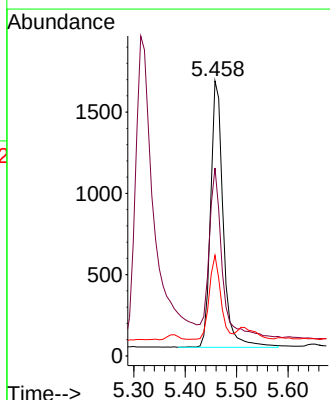
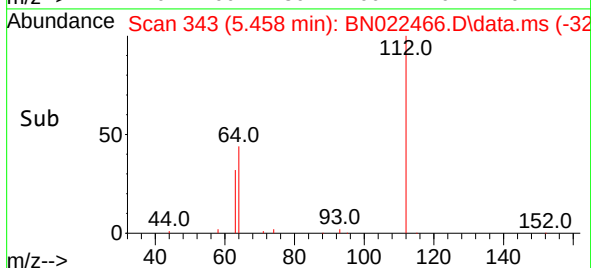
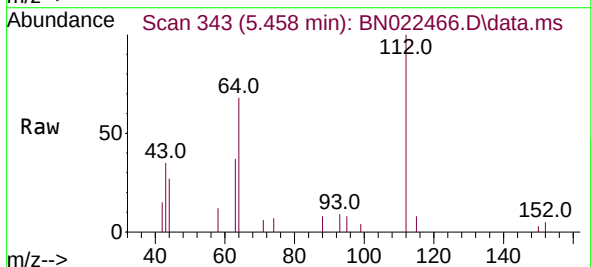
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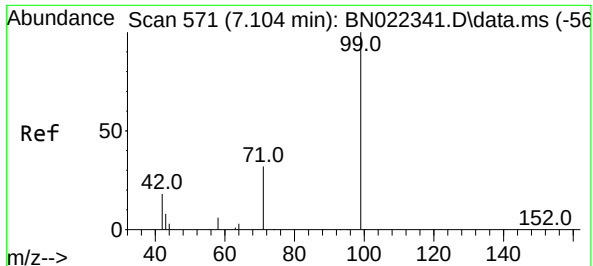
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#4
2-Fluorophenol
Concen: 0.382 ng
RT: 5.458 min Scan# 343
Delta R.T. 0.000 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

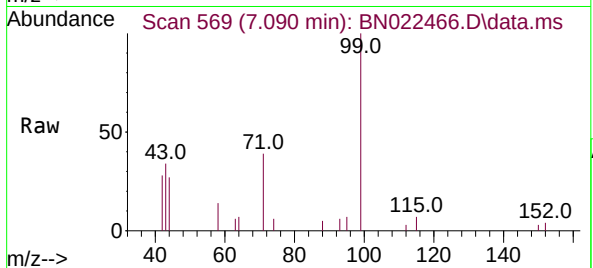
Tgt Ion:112 Resp: 2792
Ion Ratio Lower Upper
112 100
64 64.9 47.0 70.4
63 28.8 24.5 36.7





#5
Phenol-d6
Concen: 0.333 ng
RT: 7.090 min Scan# 50
Delta R.T. 0.000 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

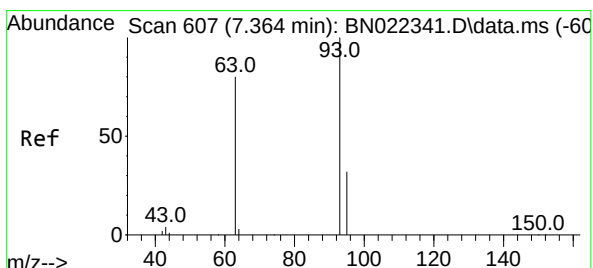
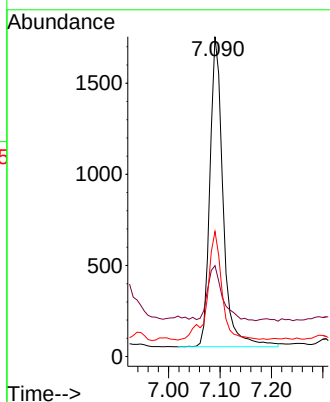
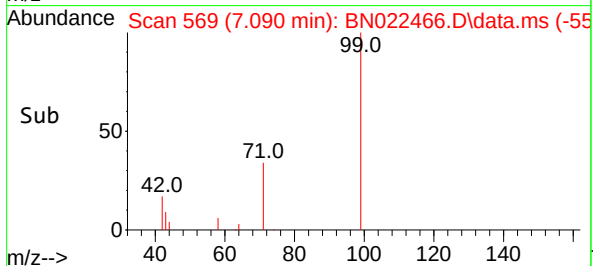
Instrument :
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Tgt Ion: 99 Resp: 305
Ion Ratio Lower Upper
99 100
42 19.9 16.3 24.5
71 38.2 26.1 39.1

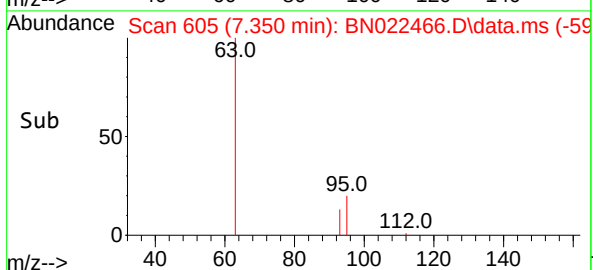
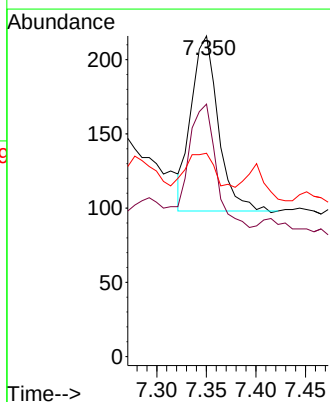
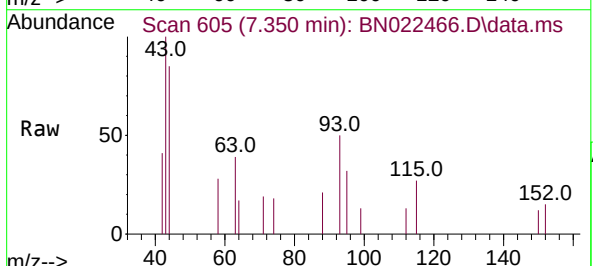
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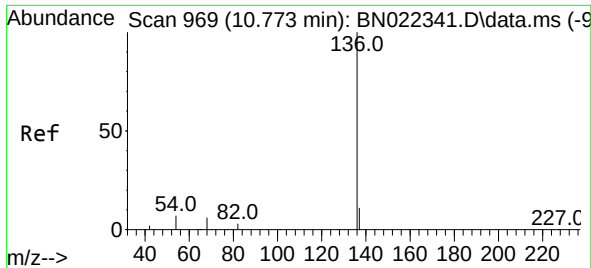
Reviewed By :Christian Giraldo 11/03/2022
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#6
bis(2-Chloroethyl)ether
Concen: 0.025 ng
RT: 7.350 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

Tgt Ion: 93 Resp: 224
Ion Ratio Lower Upper
93 100
63 73.7 62.6 93.8
95 25.0 26.1 39.1#





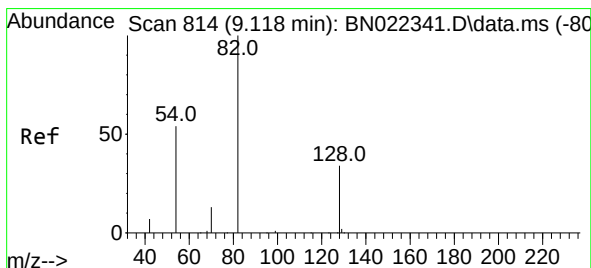
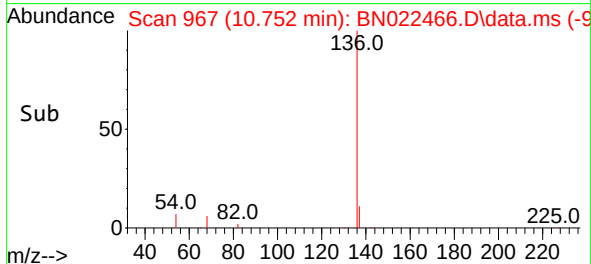
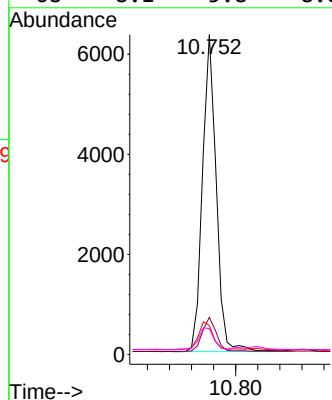
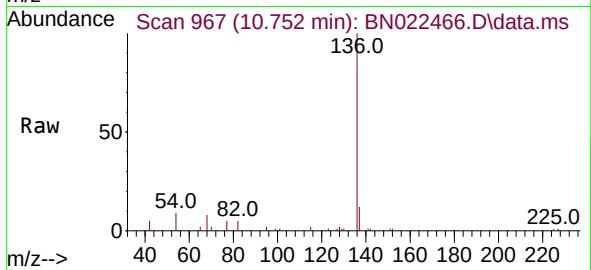
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

Instrument :
BNA_N
ClientSampleId :
S-12-103122

Tgt Ion:136	Resp:	10894
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.4 14.2
54	9.1	6.5 9.7
68	8.1	5.8 8.8

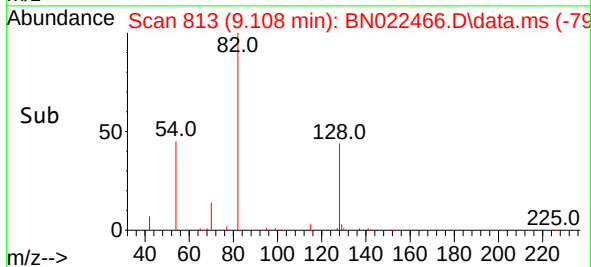
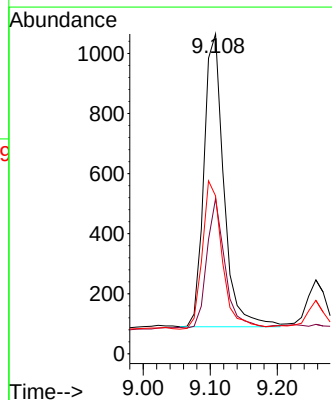
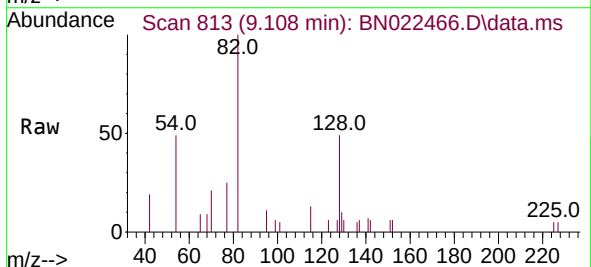
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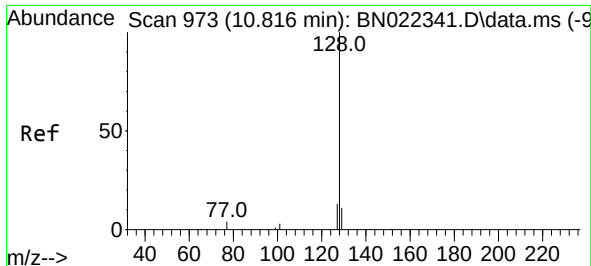
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#8
Nitrobenzene-d5
Concen: 0.214 ng
RT: 9.108 min Scan# 813
Delta R.T. 0.000 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

Tgt Ion: 82	Resp:	2014
Ion Ratio	Lower	Upper
82	100	
128	48.5	30.5 45.7#
54	49.4	45.2 67.8





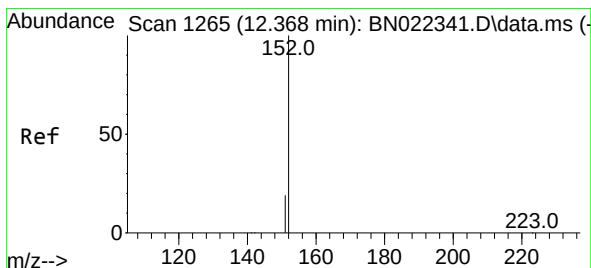
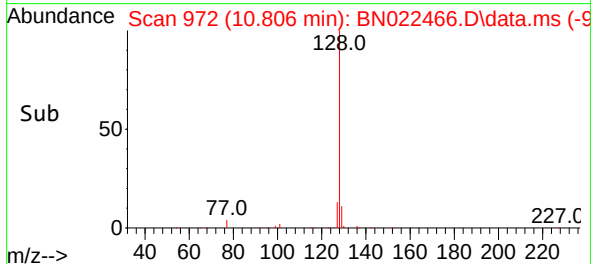
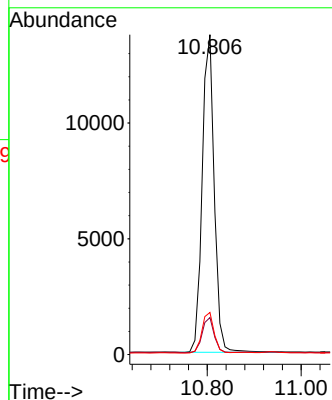
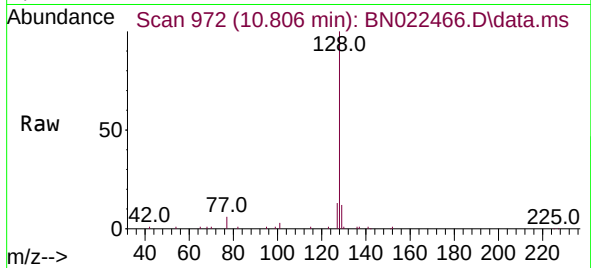
#9
Naphthalene
Concen: 0.748 ng
RT: 10.806 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

Instrument :
BNA_N
ClientSampleId :
S-12-103122

Tgt Ion:128 Resp: 24359
Ion Ratio Lower Upper
128 100
129 11.6 9.4 14.2
127 13.2 11.0 16.6

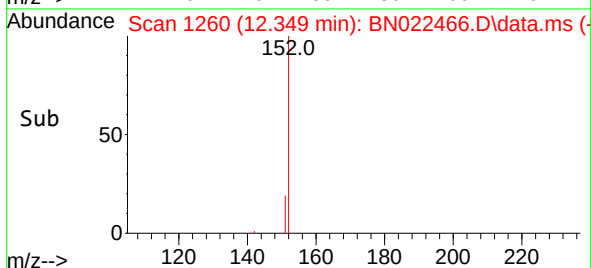
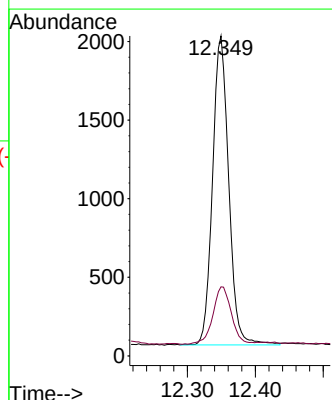
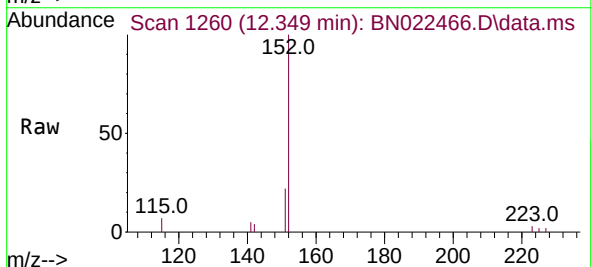
Manual Integrations
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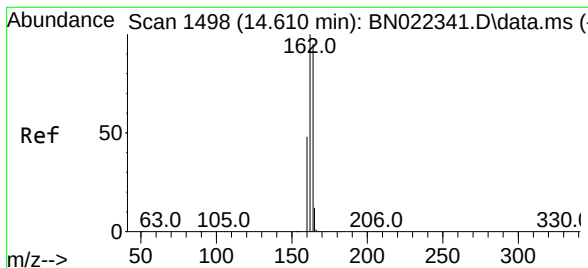
Reviewed By :Christian Giraldo 11/03/2022
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#11
2-Methylnaphthalene-d10
Concen: 0.190 ng
RT: 12.349 min Scan# 1260
Delta R.T. 0.000 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

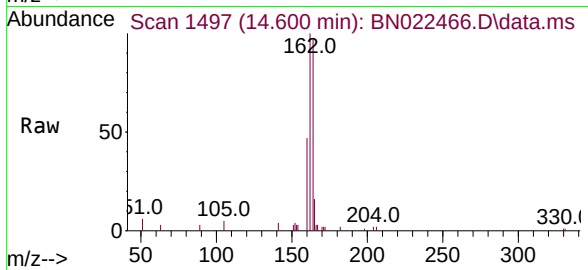
Tgt Ion:152 Resp: 3252
Ion Ratio Lower Upper
152 100
151 21.3 16.7 25.1





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.600 min Scan# 1498
Delta R.T. 0.011 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

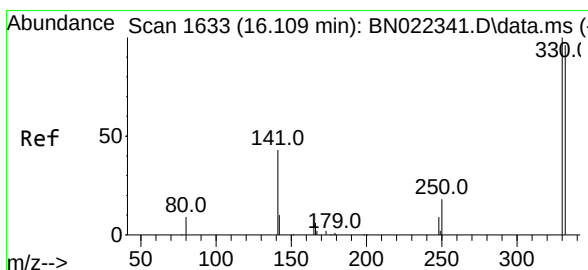
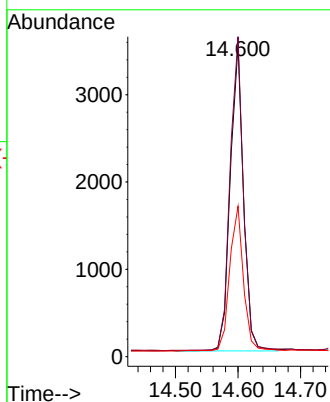
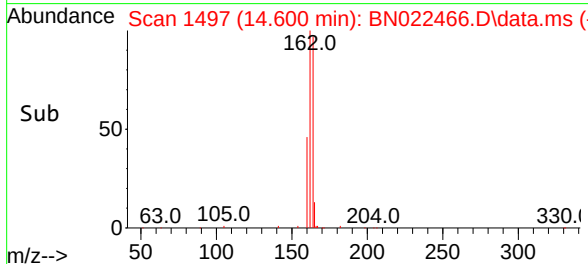
Instrument :
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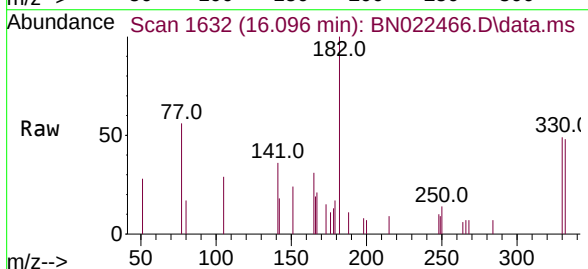
Tgt Ion:164 Resp: 5193
Ion Ratio Lower Upper
164 100
162 102.8 83.9 125.9
160 48.3 41.0 61.4

Manual Integrations
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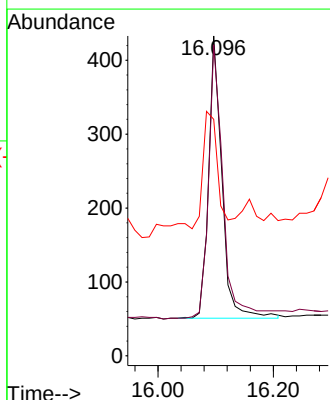
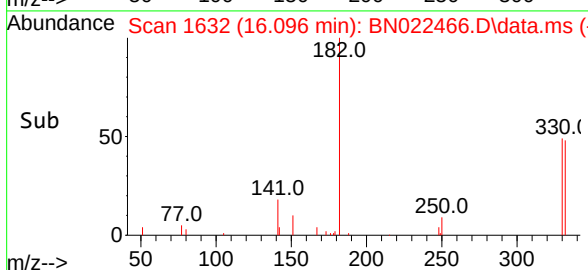
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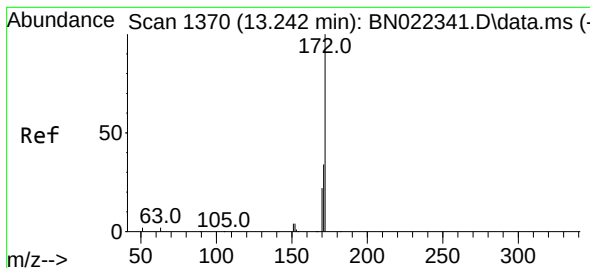


#14
2,4,6-Tribromophenol
Concen: 0.276 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23



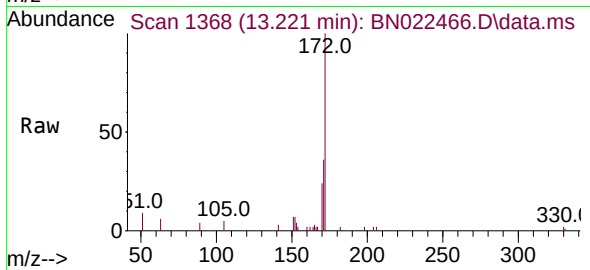
Tgt Ion:330 Resp: 615
Ion Ratio Lower Upper
330 100
332 104.2 78.6 118.0
141 44.4 40.2 60.4





#15
2-Fluorobiphenyl
Concen: 0.216 ng
RT: 13.221 min Scan# 1368
Delta R.T. 0.000 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

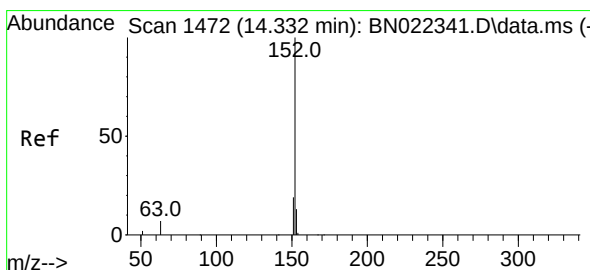
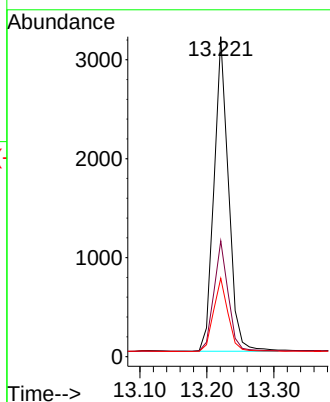
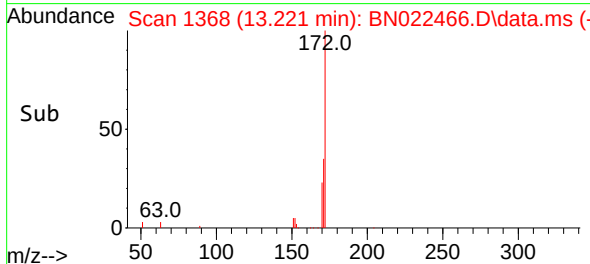
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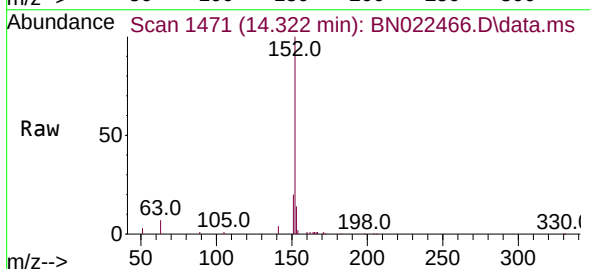
Tgt Ion:172 Resp: 4795
Ion Ratio Lower Upper
172 100
171 36.2 27.4 41.0
170 24.5 18.5 27.7

Manual Integrations
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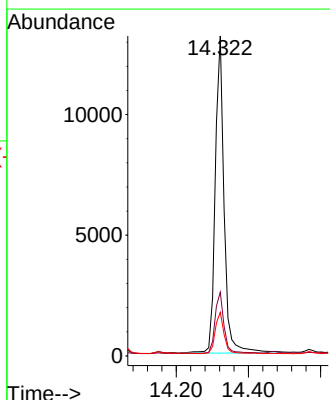
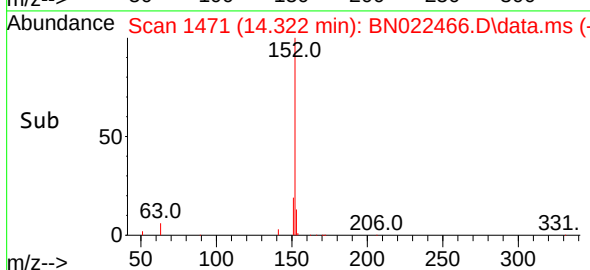
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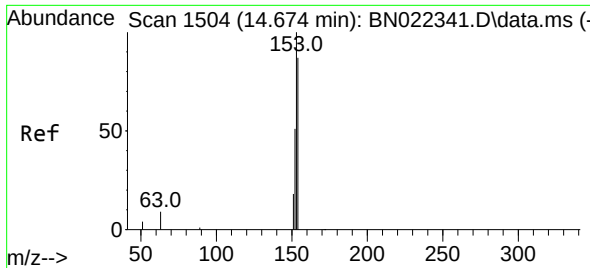


#16
Acenaphthylene
Concen: 0.897 ng
RT: 14.322 min Scan# 1471
Delta R.T. 0.011 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23



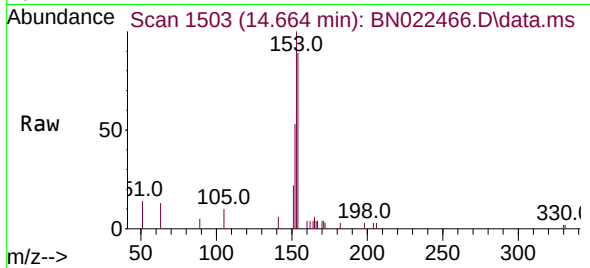
Tgt Ion:152 Resp: 22569
Ion Ratio Lower Upper
152 100
151 19.7 15.2 22.8
153 12.8 10.3 15.5





#17
Acenaphthene
Concen: 0.166 ng
RT: 14.664 min Scan# 1503
Delta R.T. 0.011 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

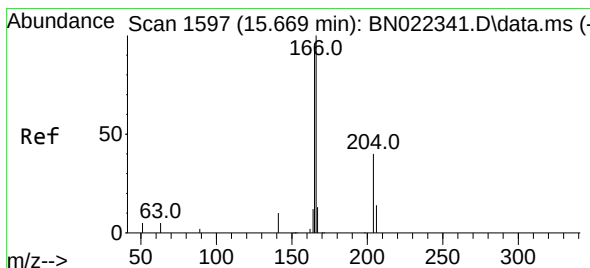
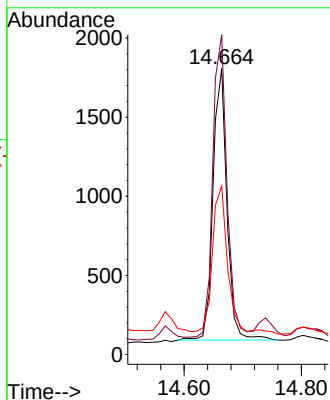
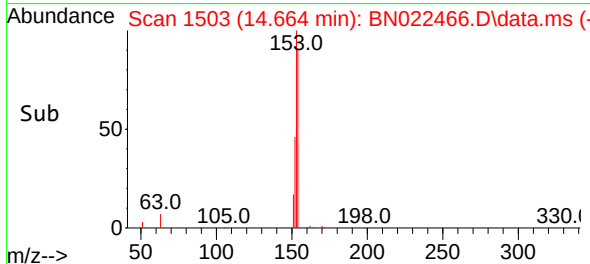
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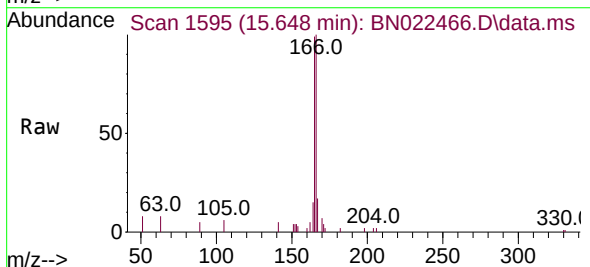
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Ion Ratio Lower Upper
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153 113.5 92.2 138.2
152 56.0 47.6 71.4

Manual Integrations
APPROVED

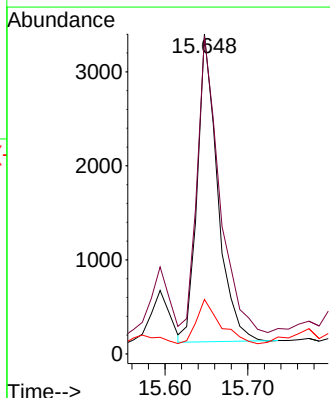
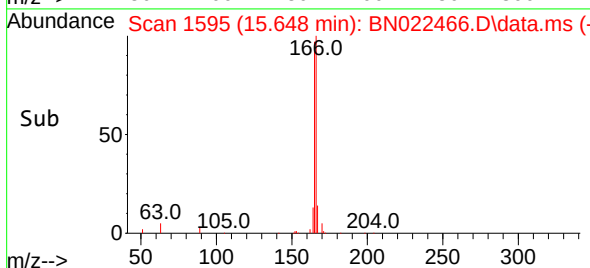
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022

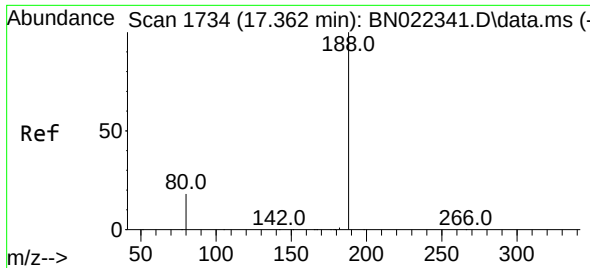


#18
Fluorene
Concen: 0.240 ng
RT: 15.648 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23



Tgt Ion:166 Resp: 5729
Ion Ratio Lower Upper
166 100
165 103.9 78.6 118.0
167 16.2 10.2 15.4





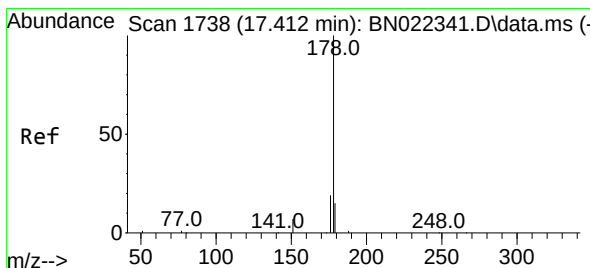
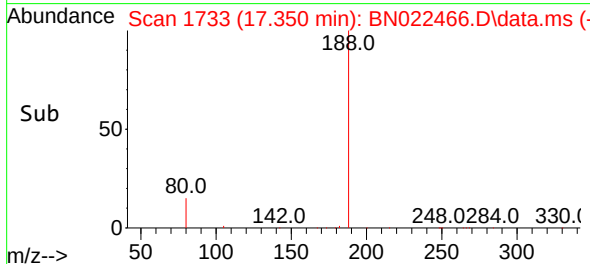
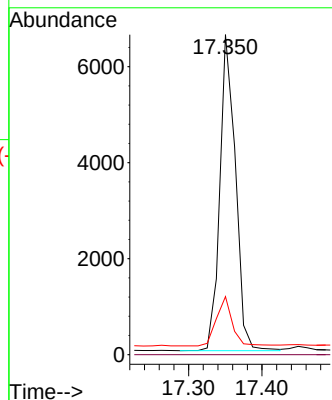
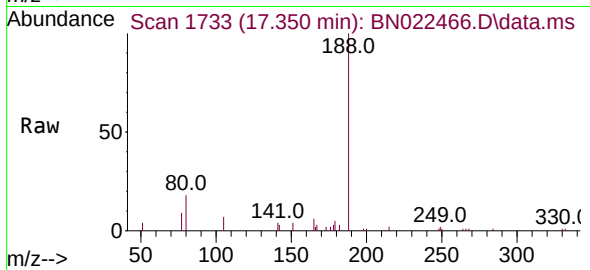
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

Instrument :
BNA_N
ClientSampleId :
S-12-103122

Tgt Ion:188 Resp: 9754
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 18.1 15.0 22.6

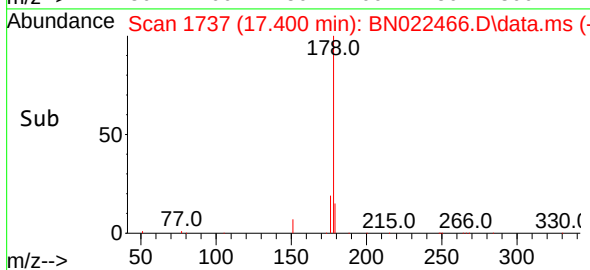
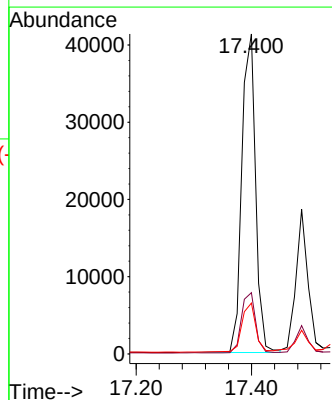
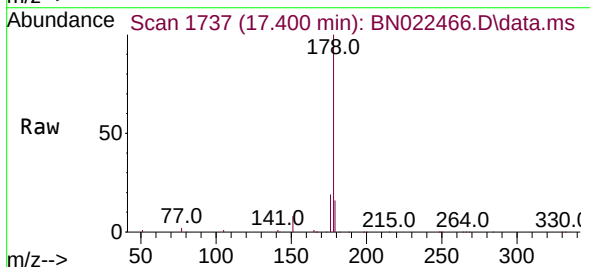
Manual Integrations
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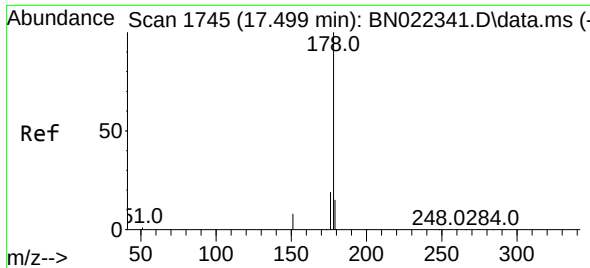
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#25
Phenanthrene
Concen: 2.051 ng
RT: 17.400 min Scan# 1737
Delta R.T. 0.012 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

Tgt Ion:178 Resp: 68613
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.9 12.5 18.7





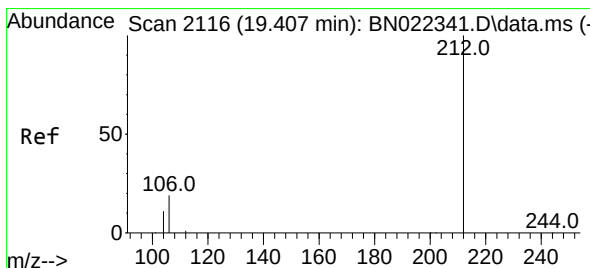
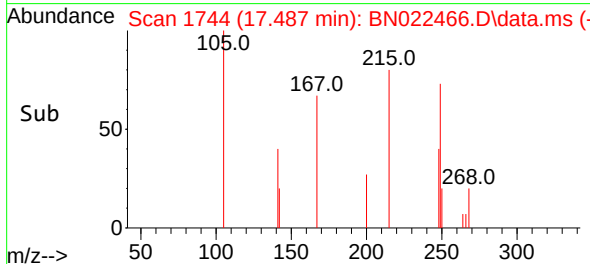
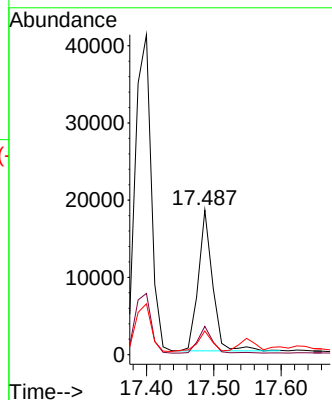
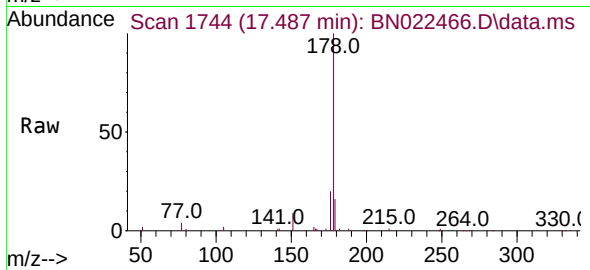
#26
 Anthracene
 Concen: 0.949 ng
 RT: 17.487 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN022466.D
 Acq: 02 Nov 2022 16:23

Instrument :
 BNA_N
 ClientSampleId :
 S-12-103122

Tgt Ion:178 Resp: 26743
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.0 22.4
 179 14.4 12.2 18.4

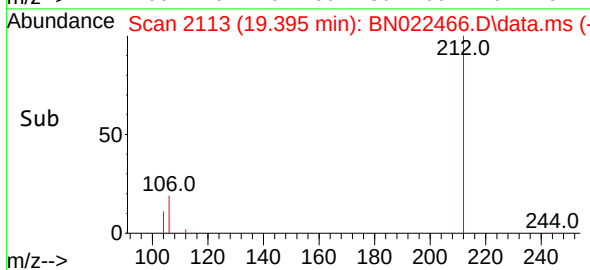
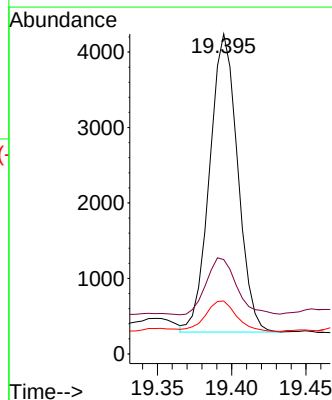
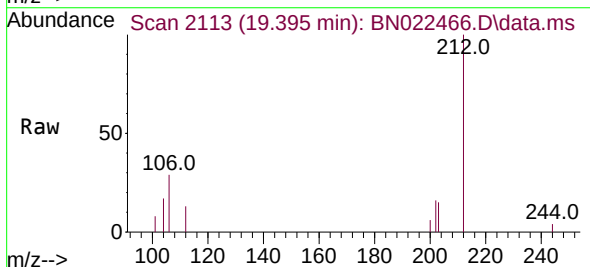
Manual Integrations
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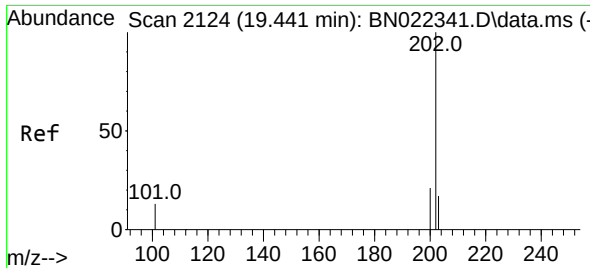
Reviewed By :Christian Giraldo 11/03/2022
 Supervised By :mohammad ahmed 11/07/2022



#27
 Fluoranthene-d10
 Concen: 0.193 ng
 RT: 19.395 min Scan# 2113
 Delta R.T. 0.004 min
 Lab File: BN022466.D
 Acq: 02 Nov 2022 16:23

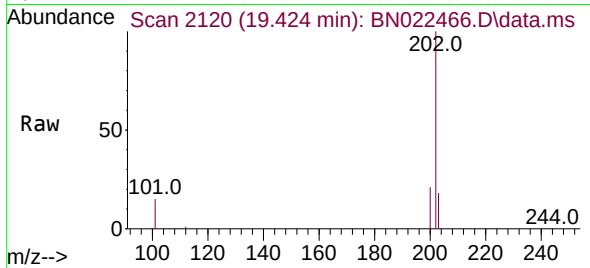
Tgt Ion:212 Resp: 5192
 Ion Ratio Lower Upper
 212 100
 106 20.5 15.0 22.4
 104 11.7 9.3 13.9





#28
Fluoranthene
Concen: 4.700 ng
RT: 19.424 min Scan# 2120
Delta R.T. 0.004 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

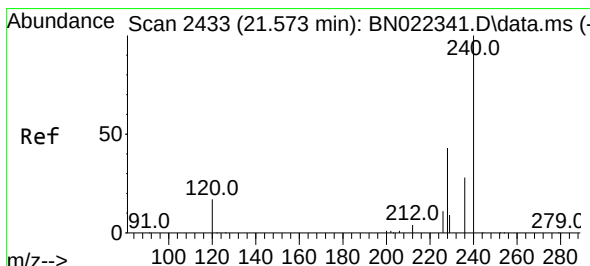
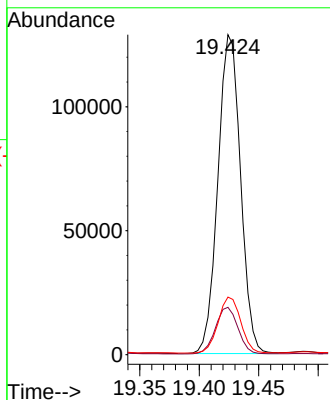
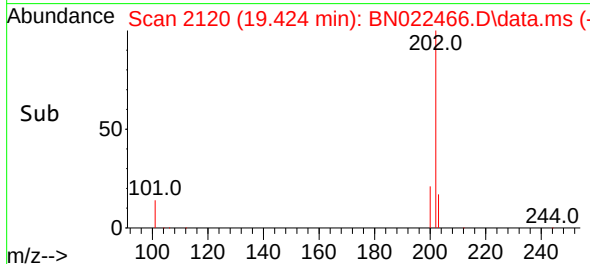
Instrument :
BNA_N
ClientSampleId :
S-12-103122



Tgt Ion:202 Resp: 170427
Ion Ratio Lower Upper
202 100
101 14.5 11.4 17.0
203 17.5 13.7 20.5

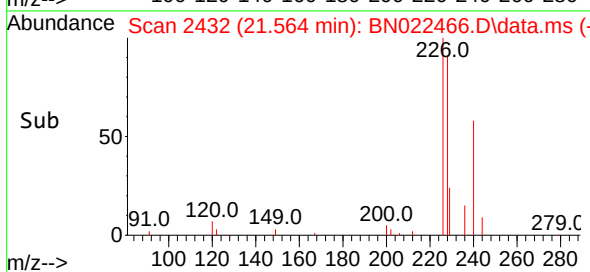
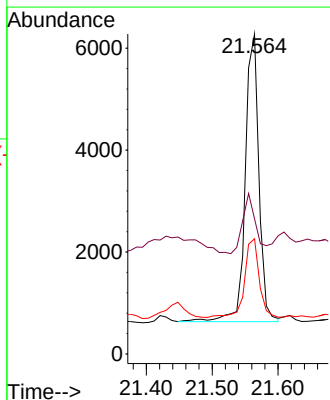
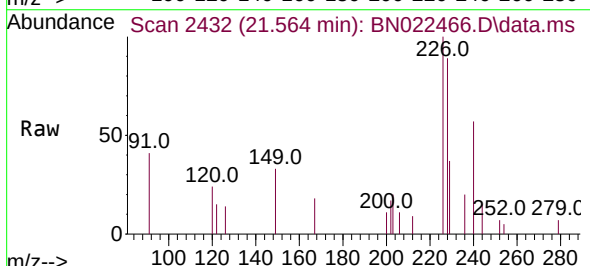
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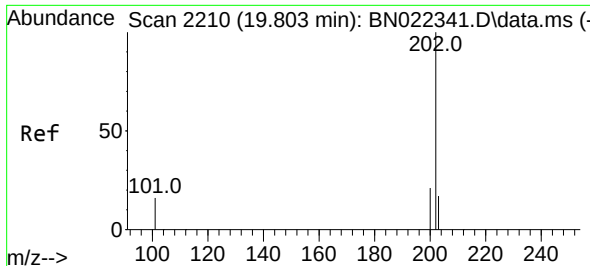
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.564 min Scan# 2432
Delta R.T. 0.009 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

Tgt Ion:240 Resp: 8126
Ion Ratio Lower Upper
240 100
120 42.2 15.8 23.6#
236 36.0 23.2 34.8#





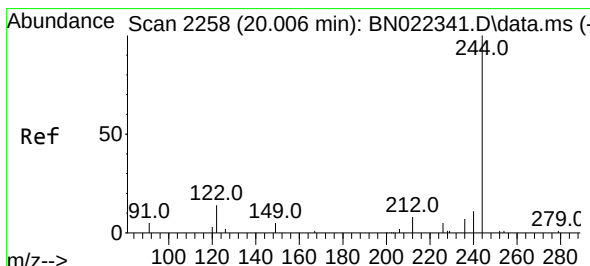
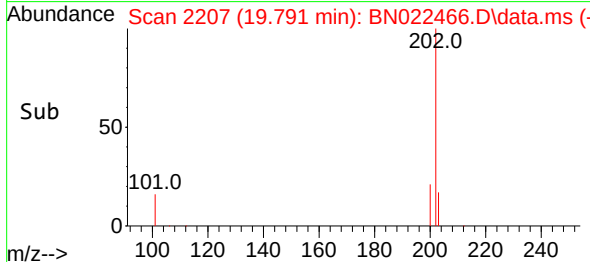
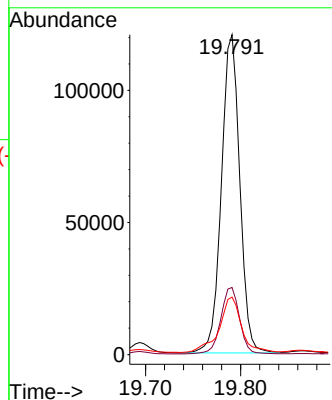
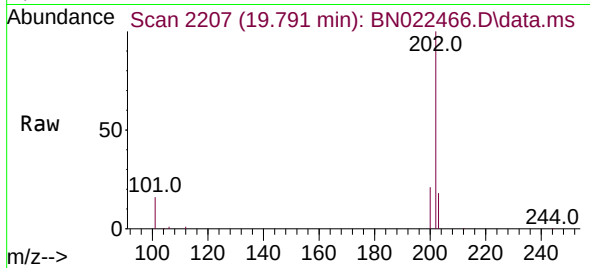
#30
Pyrene
Concen: 4.296 ng
RT: 19.791 min Scan# 21
Delta R.T. 0.004 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

Instrument :
BNA_N
ClientSampleId :
S-12-103122

Tgt Ion:202 Resp: 160670
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 21.0 14.2 21.2

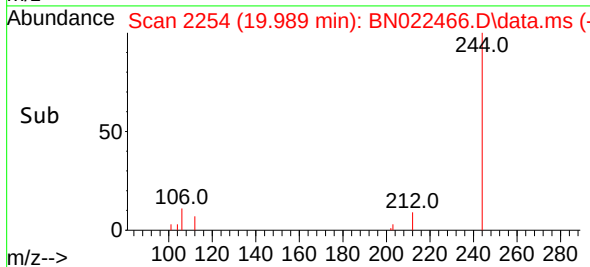
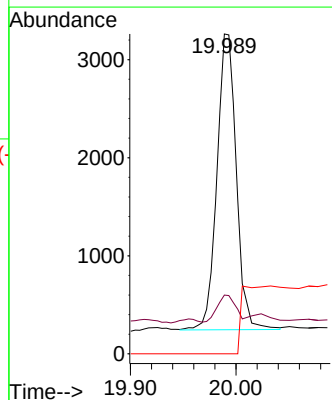
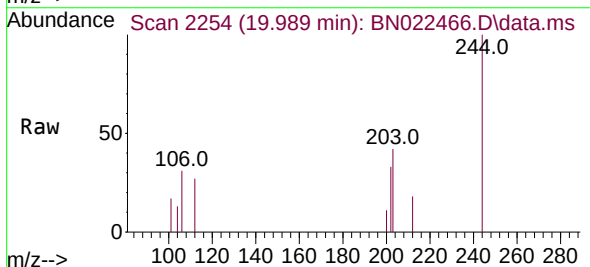
Manual Integrations
APPROVED

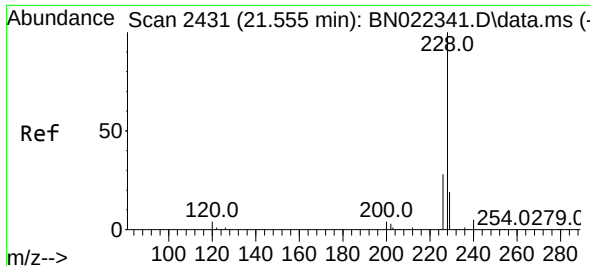
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#31
Terphenyl-d14
Concen: 0.220 ng
RT: 19.989 min Scan# 2254
Delta R.T. 0.004 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

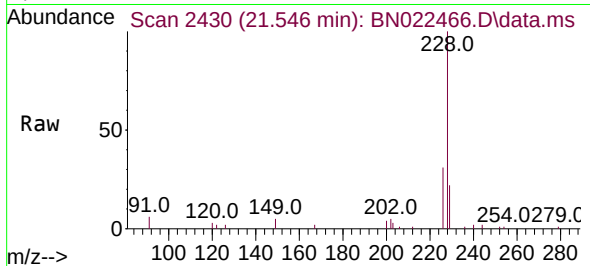
Tgt Ion:244 Resp: 4666
Ion Ratio Lower Upper
244 100
212 18.4 7.0 10.4#
122 0.0 11.5 17.3#





#32
Benzo(a)anthracene
Concen: 3.203 ng
RT: 21.546 min Scan# 2430
Delta R.T. 0.009 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

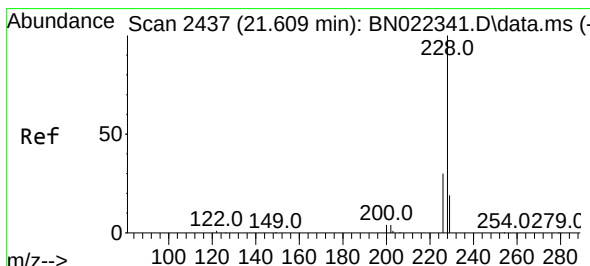
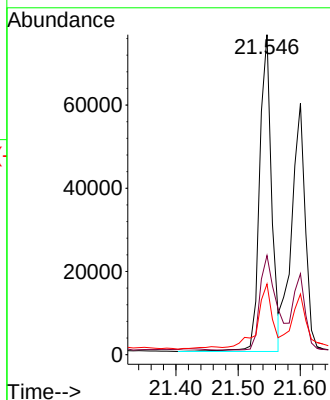
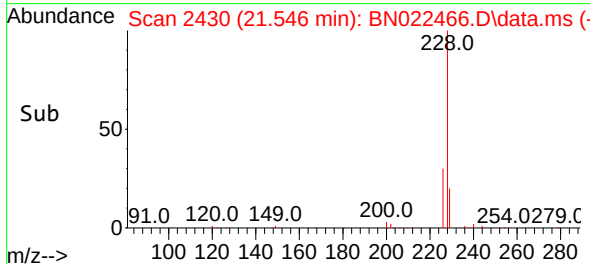
Instrument :
BNA_N
ClientSampleId :
S-12-103122



Tgt Ion:228 Resp: 102453
Ion Ratio Lower Upper
228 100
226 31.0 22.6 34.0
229 22.1 15.5 23.3

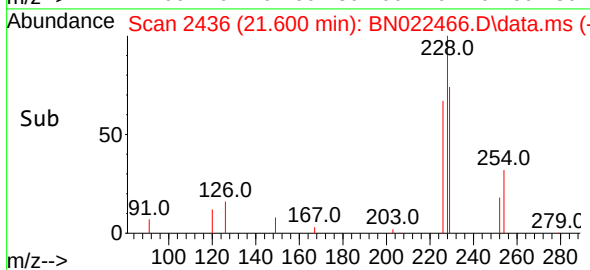
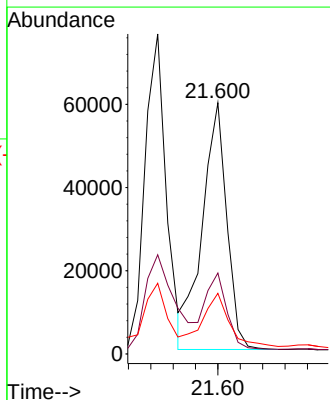
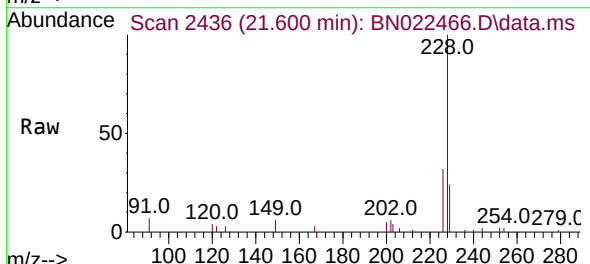
Manual Integrations
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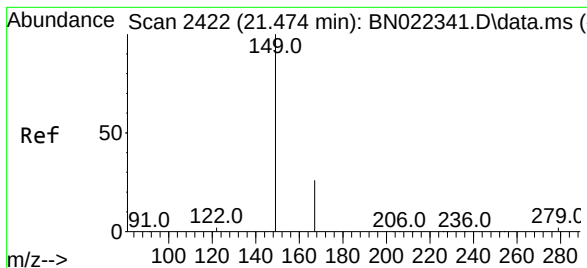
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#33
Chrysene
Concen: 2.715 ng
RT: 21.600 min Scan# 2436
Delta R.T. 0.009 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

Tgt Ion:228 Resp: 90773
Ion Ratio Lower Upper
228 100
226 32.2 24.5 36.7
229 24.1 15.6 23.4#





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.334 ng

RT: 21.457 min Scan# 2420

Delta R.T. 0.009 min

Lab File: BN022466.D

Acq: 02 Nov 2022 16:23

Instrument :

BNA_N

ClientSampleId :

S-12-103122

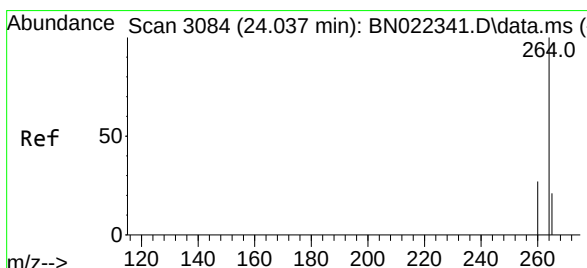
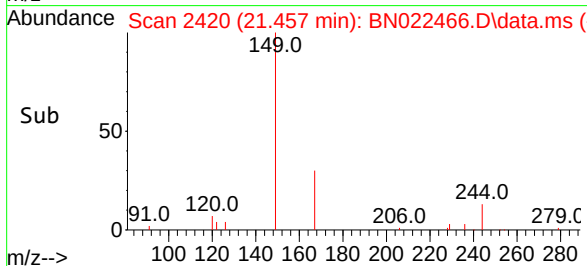
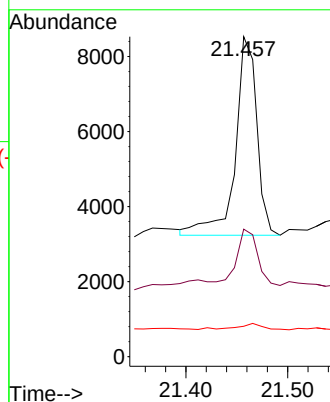
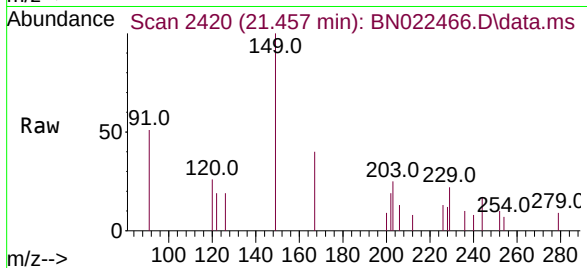
Tgt Ion:149 Resp: 7804

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.2	30.4
279	3.8	2.3	3.5

Manual Integrations

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Supervised By :mohammad ahmed 11/07/2022



#35

Perylene-d12

Concen: 0.400 ng

RT: 24.014 min Scan# 3076

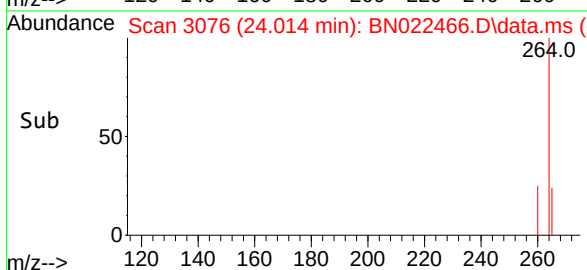
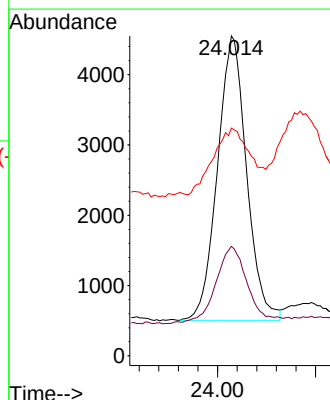
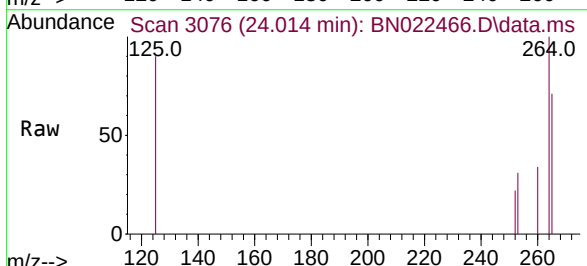
Delta R.T. 0.012 min

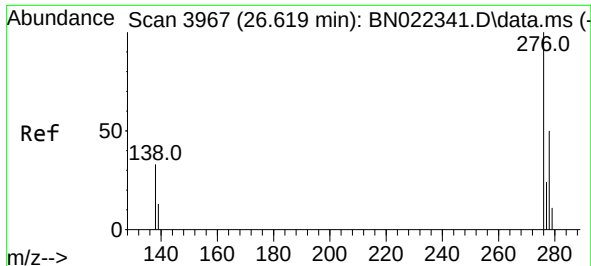
Lab File: BN022466.D

Acq: 02 Nov 2022 16:23

Tgt Ion:264 Resp: 8352

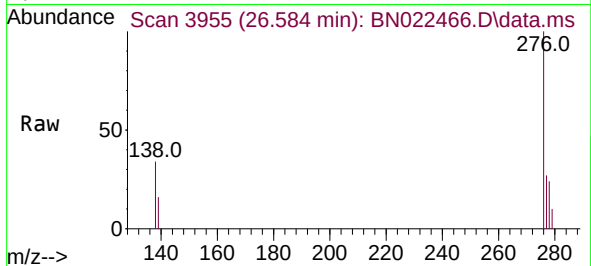
Ion	Ratio	Lower	Upper
264	100		
260	34.2	22.1	33.1
265	71.2	53.0	79.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.122 ng
RT: 26.584 min Scan# 3967
Delta R.T. 0.018 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

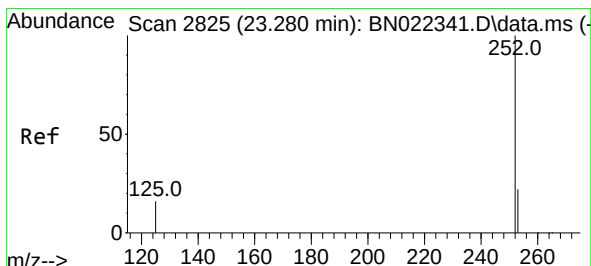
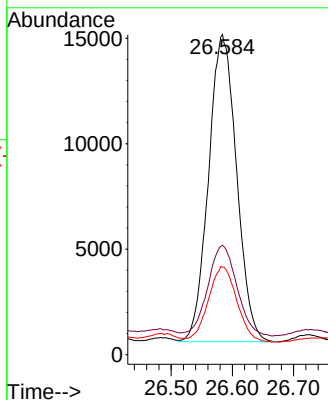
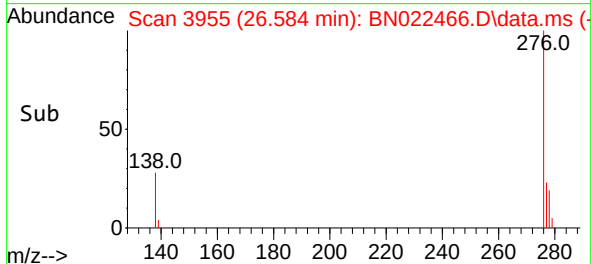
Instrument :
BNA_N
ClientSampleId :
S-12-103122



Tgt Ion:276 Resp: 46301
Ion Ratio Lower Upper
276 100
138 30.7 28.2 42.2
277 25.2 19.7 29.5

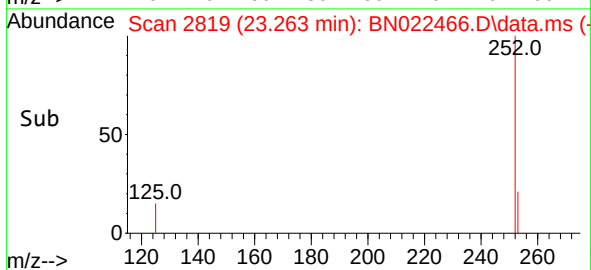
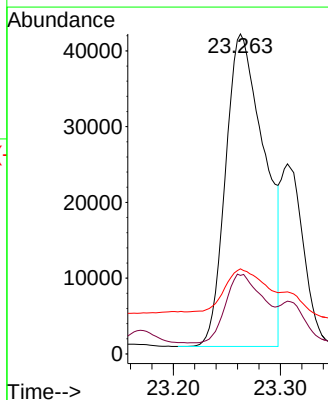
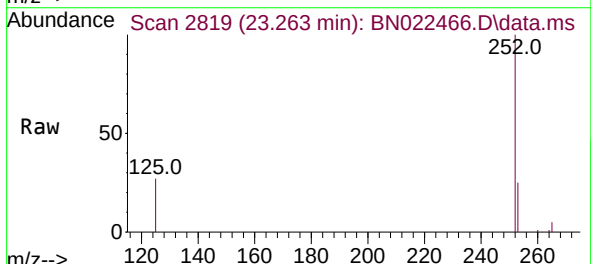
Manual Integrations
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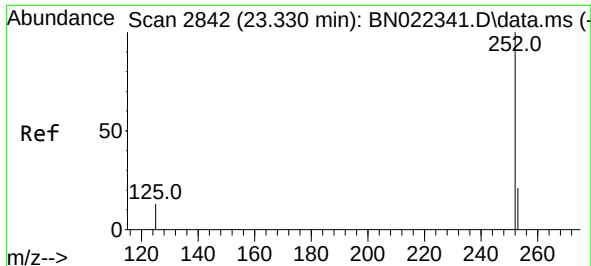
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#37
Benzo(b)fluoranthene
Concen: 2.731 ng
RT: 23.263 min Scan# 2819
Delta R.T. 0.015 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

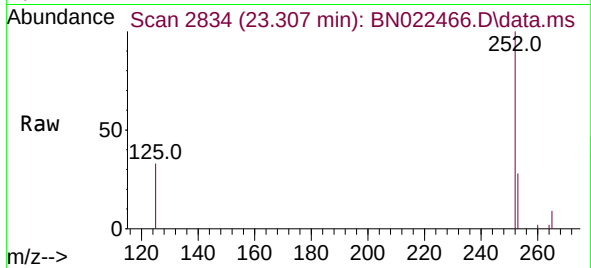
Tgt Ion:252 Resp: 104417
Ion Ratio Lower Upper
252 100
253 24.5 20.4 30.6
125 26.6 16.6 25.0#





#38
Benzo(k)fluoranthene
Concen: 0.921 ng m
RT: 23.307 min Scan# 2842
Delta R.T. 0.009 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

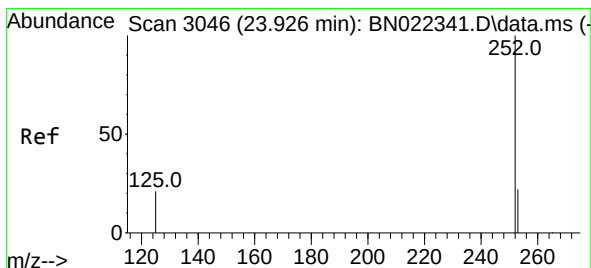
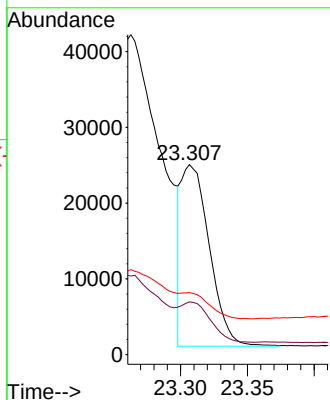
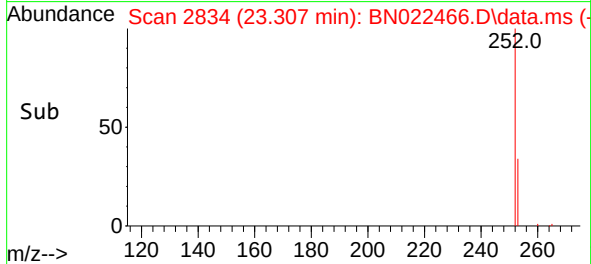
Instrument :
BNA_N
ClientSampleId :
S-12-103122



Tgt Ion:252 Resp: 35028
Ion Ratio Lower Upper
252 100
253 27.7 19.8 29.8
125 32.6 15.0 22.6

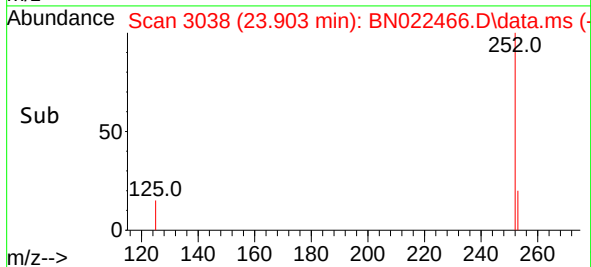
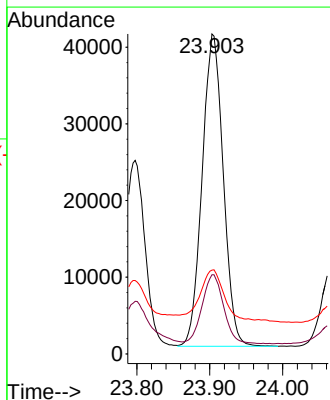
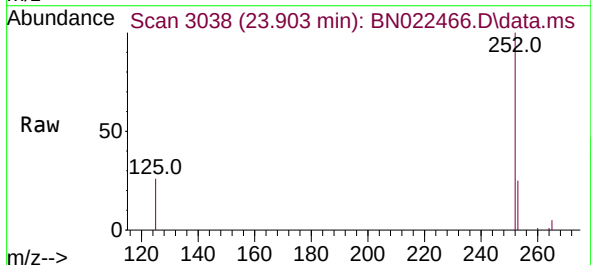
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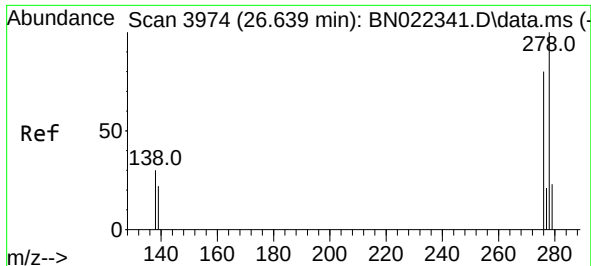
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :mohammad ahmed 11/07/2022



#39
Benzo(a)pyrene
Concen: 2.631 ng
RT: 23.903 min Scan# 3038
Delta R.T. 0.012 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

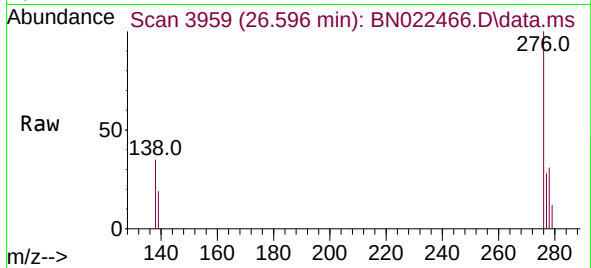
Tgt Ion:252 Resp: 81851
Ion Ratio Lower Upper
252 100
253 24.7 21.9 32.9
125 26.2 22.9 34.3





#40
Dibenzo(a,h)anthracene
Concen: 0.412 ng
RT: 26.596 min Scan# 3974
Delta R.T. 0.009 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

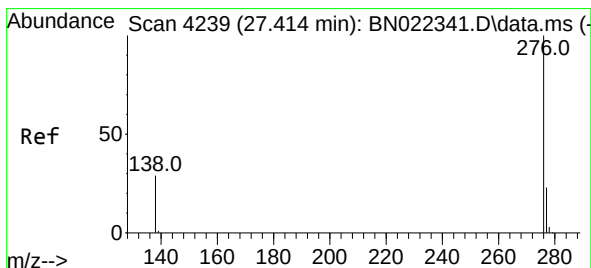
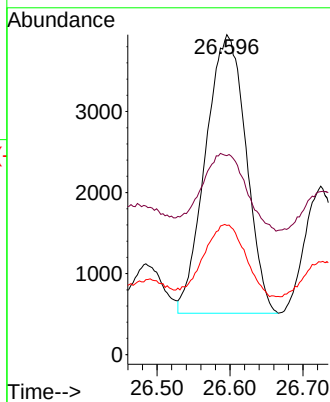
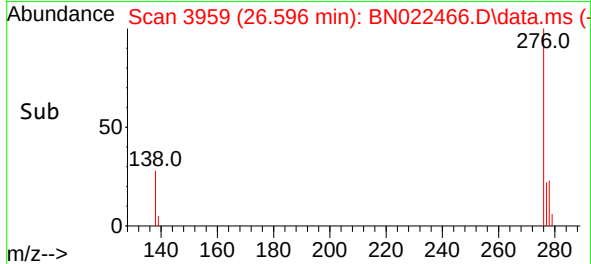
Instrument :
BNA_N
ClientSampleId :
S-12-103122



Tgt Ion:278 Resp: 13268
Ion Ratio Lower Upper
278 100
139 62.2 20.2 30.2
279 40.4 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: 1.230 ng
RT: 27.382 min Scan# 4228
Delta R.T. 0.023 min
Lab File: BN022466.D
Acq: 02 Nov 2022 16:23

Tgt Ion:276 Resp: 41805
Ion Ratio Lower Upper
276 100
277 27.8 19.5 29.3
138 35.1 25.0 37.4

