

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
 Data File : BN022504.D
 Acq On : 04 Nov 2022 08:49
 Operator : CG/JU
 Sample : N5395-11DL 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-8-103122DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/07/2022
 Supervised By : mohammad ahmed 11/08/2022

Quant Time: Nov 04 13:56:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 03:28:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	4486	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	16519	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	9518	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	19312	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	12129	0.400	ng	0.00
35) Perylene-d12	24.002	264	9206	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.450	112	1871	0.148	ng	0.00
5) Phenol-d6	7.083	99	2573	0.161	ng	0.00
8) Nitrobenzene-d5	9.097	82	1405	0.094	ng	-0.01
11) 2-Methylnaphthalene-d10	12.338	152	2922	0.105	ng	-0.01
14) 2,4,6-Tribromophenol	16.096	330	557	0.111	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	4557	0.115	ng	-0.01
27) Fluoranthene-d10	19.386	212	5739	0.109	ng	0.00
31) Terphenyl-d14	19.985	244	5457	0.144	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.795	128	10765	0.215	ng	99
16) Acenaphthylene	14.311	152	6926	0.143	ng	99
17) Acenaphthene	14.653	154	3461	0.111	ng	98
18) Fluorene	15.647	166	6843	0.157	ng	# 97
25) Phenanthrene	17.387	178	99566	1.543	ng	100
26) Anthracene	17.487	178	18704	0.329	ng	98
28) Fluoranthene	19.420	202	169547	2.437	ng	99
30) Pyrene	19.782	202	136112	2.599	ng	96
32) Benzo(a)anthracene	21.537	228	57958	1.188	ng	98
33) Chrysene	21.591	228	61150	1.266	ng	98
34) Bis(2-ethylhexyl)phtha...	21.457	149	8145	0.198	ng	97
36) Indeno(1,2,3-cd)pyrene	26.566	276	26561	0.599	ng	95
37) Benzo(b)fluoranthene	23.251	252	61412	1.697	ng	95
38) Benzo(k)fluoranthene	23.295	252	23985m	0.650	ng	
39) Benzo(a)pyrene	23.891	252	41533	1.340	ng	93
40) Dibenzo(a,h)anthracene	26.575	278	6683	0.190	ng	# 76
41) Benzo(g,h,i)perylene	27.362	276	26066	0.696	ng	99

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

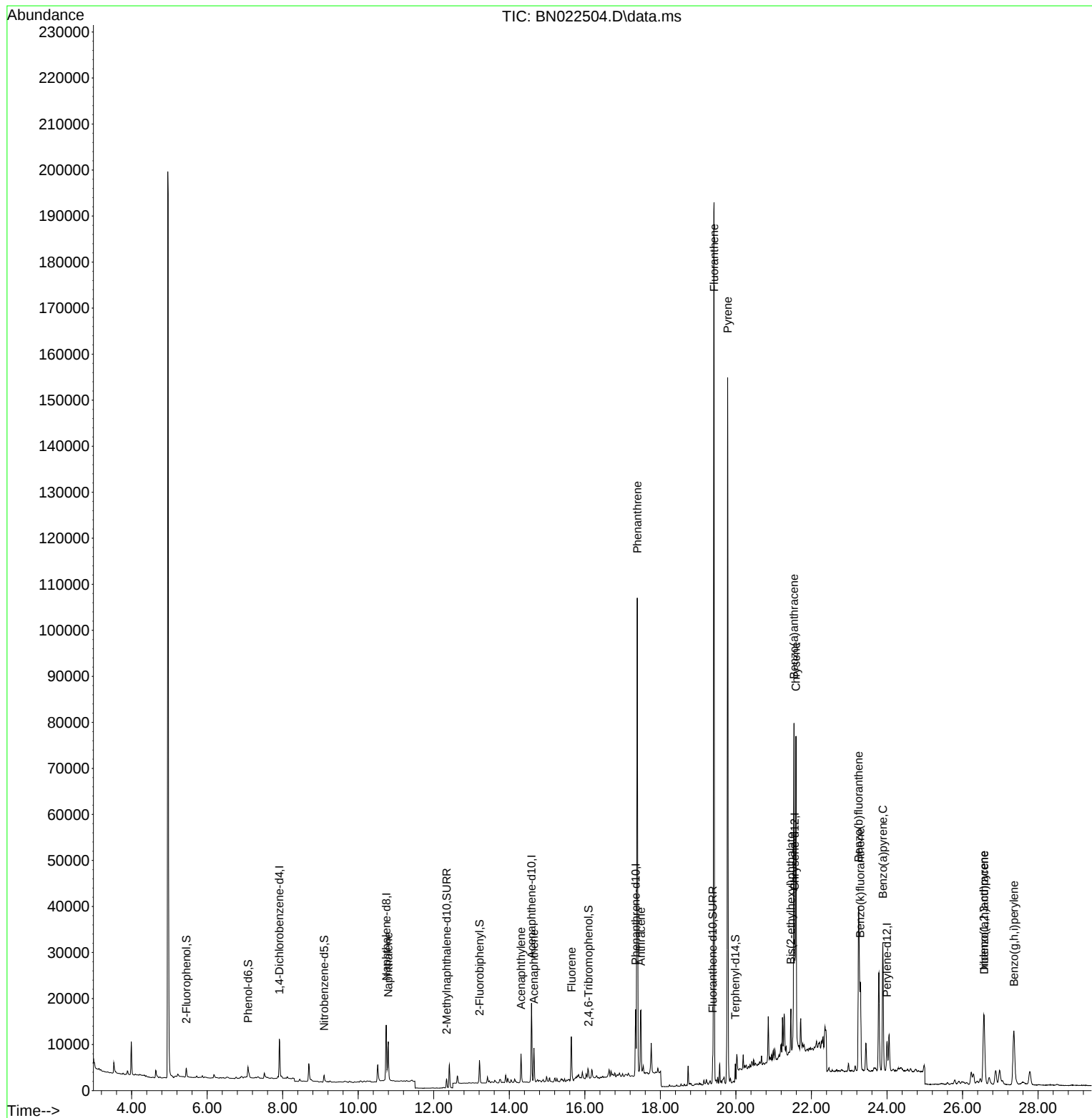
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
Data File : BN022504.D
Acq On : 04 Nov 2022 08:49
Operator : CG/JU
Sample : N5395-11DL 2X
Misc :
ALS Vial : 30 Sample Multiplier: 1

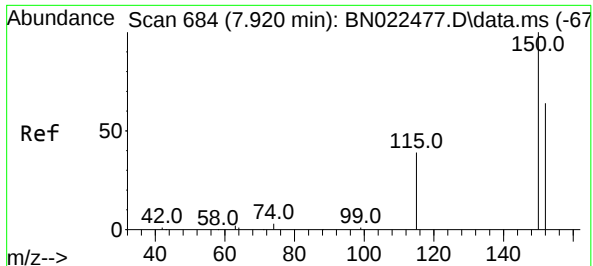
Instrument :
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S-8-103122DL

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Reviewed By : Christian Giraldo 11/07/2022
Supervised By : mohammad ahmed 11/08/2022

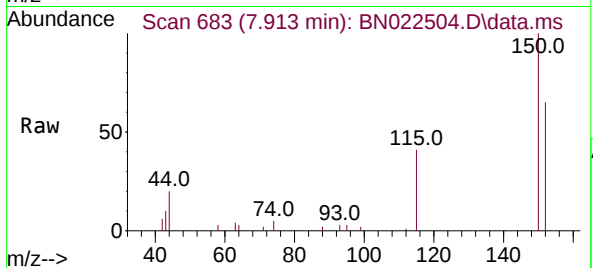
Quant Time: Nov 04 13:56:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 03:28:17 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.913 min Scan# 684
Delta R.T. -0.007 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

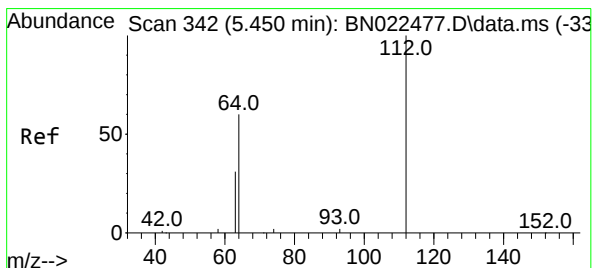
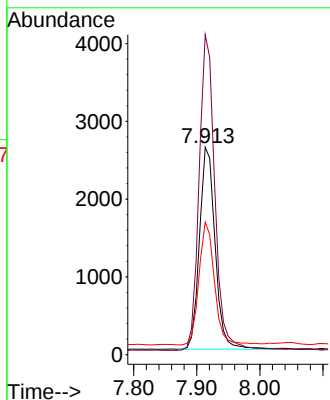
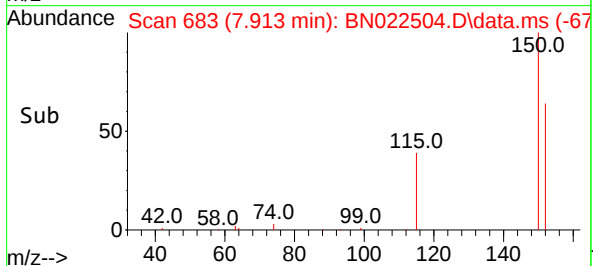
Instrument :
BNA_N
ClientSampleId :
S-8-103122DL



Tgt Ion:152 Resp: 4486
Ion Ratio Lower Upper
152 100
150 154.3 123.4 185.2
115 63.9 54.9 82.3

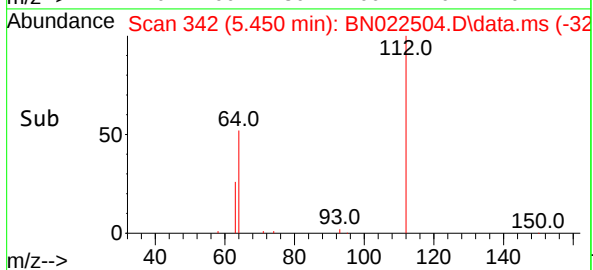
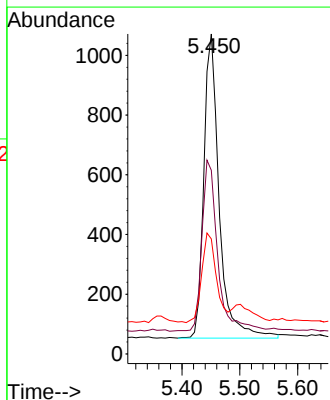
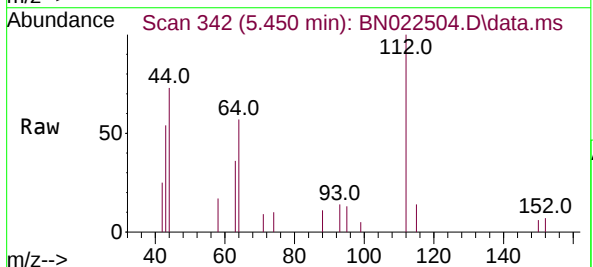
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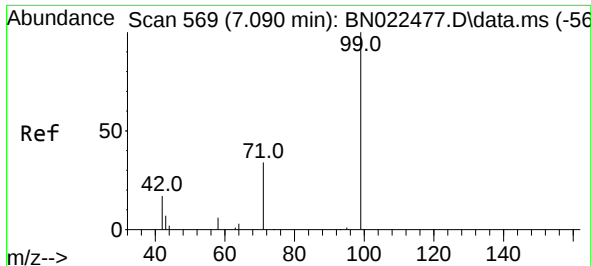
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#4
2-Fluorophenol
Concen: 0.148 ng
RT: 5.450 min Scan# 342
Delta R.T. 0.000 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

Tgt Ion:112 Resp: 1871
Ion Ratio Lower Upper
112 100
64 57.2 47.1 70.7
63 28.2 24.6 36.8





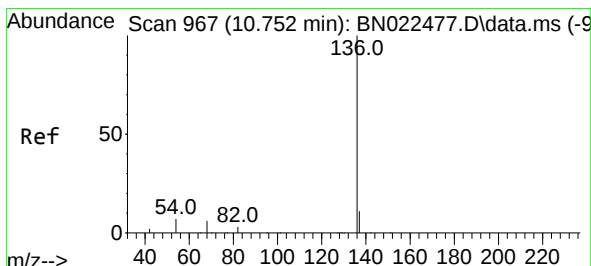
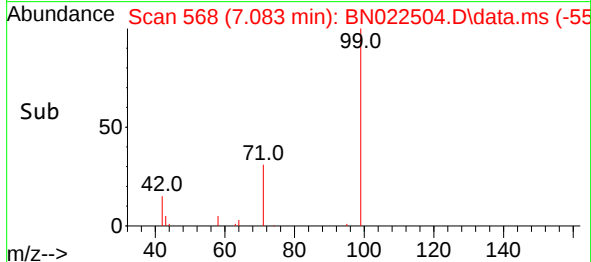
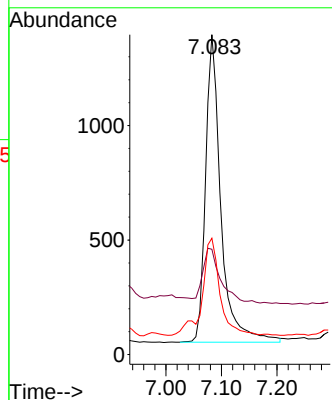
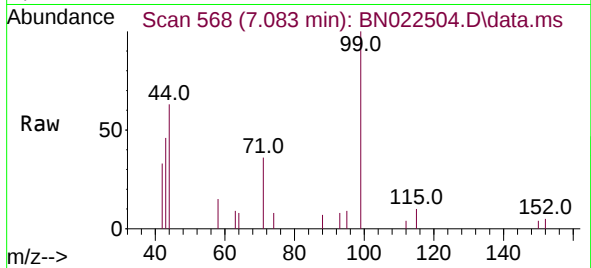
#5
Phenol-d6
Concen: 0.161 ng
RT: 7.083 min Scan# 569
Delta R.T. -0.007 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

Instrument :
BNA_N
ClientSampleId :
S-8-103122DL

Tgt Ion: 99 Resp: 2573
Ion Ratio Lower Upper
99 100
42 21.7 14.7 22.1
71 36.5 27.0 40.6

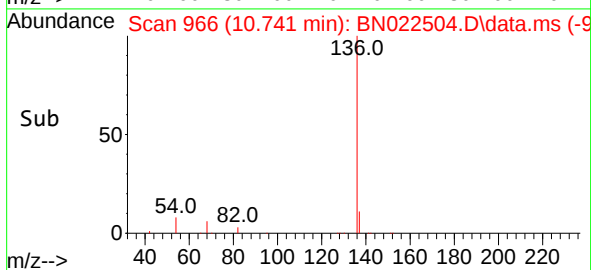
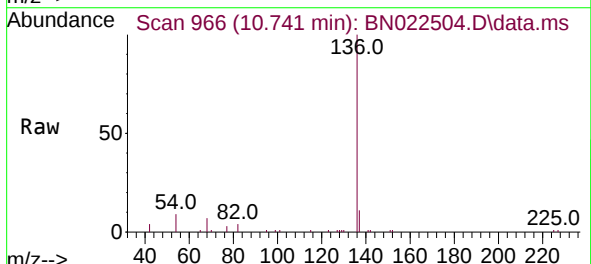
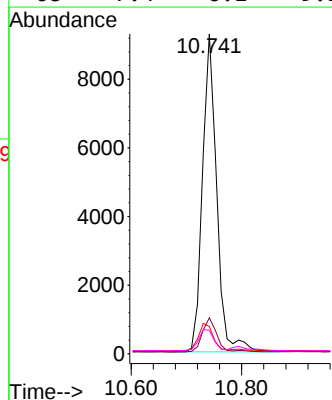
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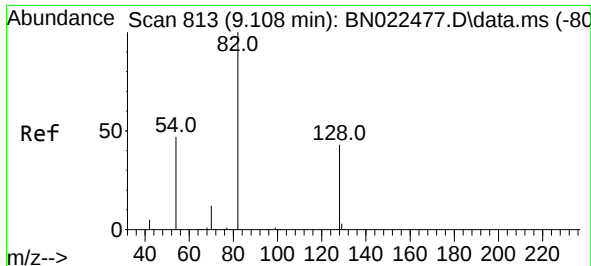
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 966
Delta R.T. -0.011 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

Tgt Ion:136 Resp: 16519
Ion Ratio Lower Upper
136 100
137 11.3 9.5 14.3
54 8.5 7.1 10.7
68 7.4 6.1 9.1





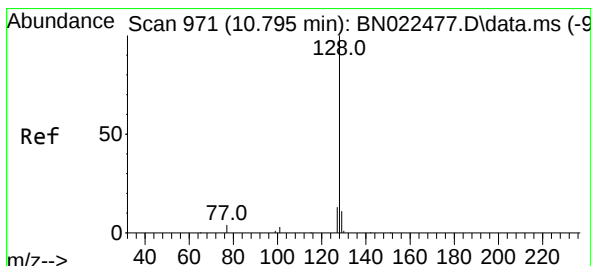
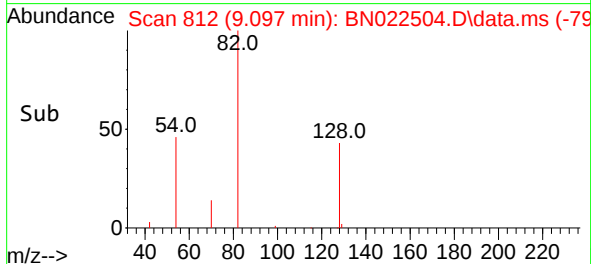
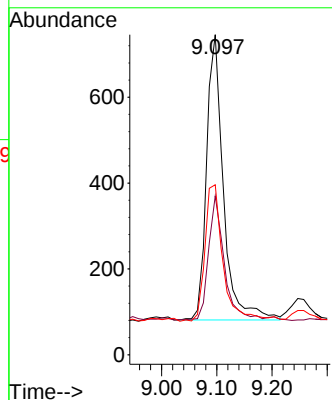
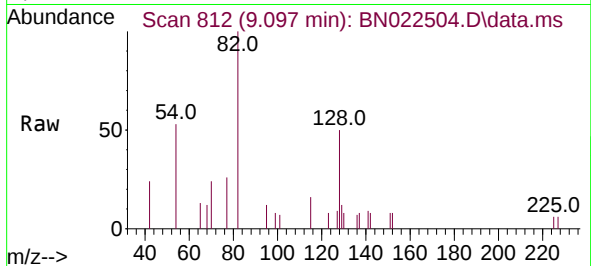
#8
Nitrobenzene-d5
Concen: 0.094 ng
RT: 9.097 min Scan# 813
Delta R.T. -0.011 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

Instrument :
BNA_N
ClientSampleId :
S-8-103122DL

Tgt Ion: 82 Resp: 1405
Ion Ratio Lower Upper
82 100
128 49.6 37.3 55.9
54 53.1 40.0 60.0

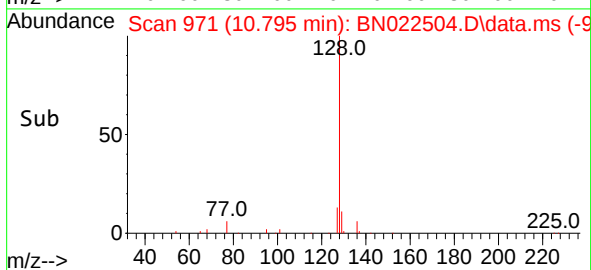
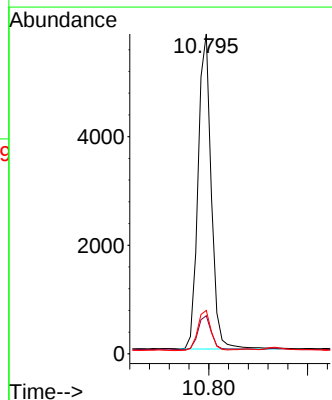
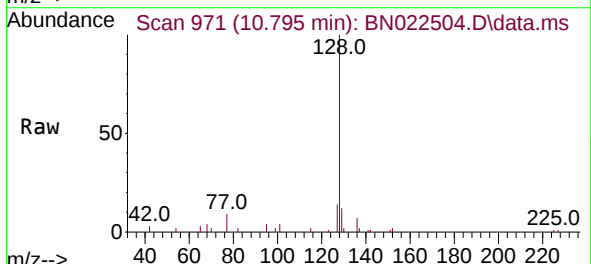
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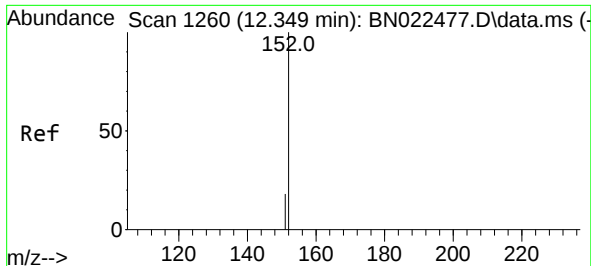
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#9
Naphthalene
Concen: 0.215 ng
RT: 10.795 min Scan# 971
Delta R.T. 0.000 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

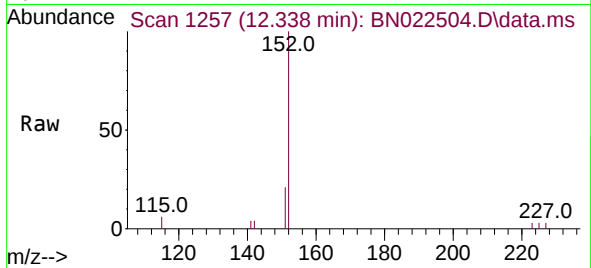
Tgt Ion:128 Resp: 10765
Ion Ratio Lower Upper
128 100
129 11.9 9.8 14.6
127 13.6 11.4 17.2





#11
2-Methylnaphthalene-d10
Concen: 0.105 ng
RT: 12.338 min Scan# 1257
Delta R.T. -0.011 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

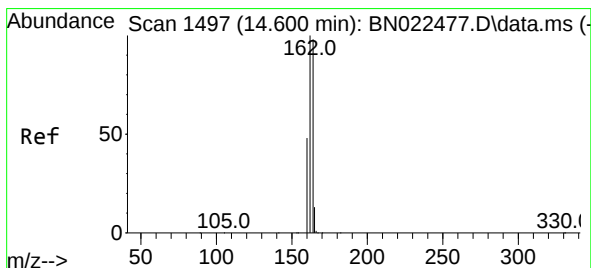
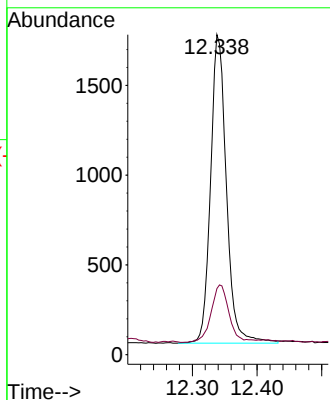
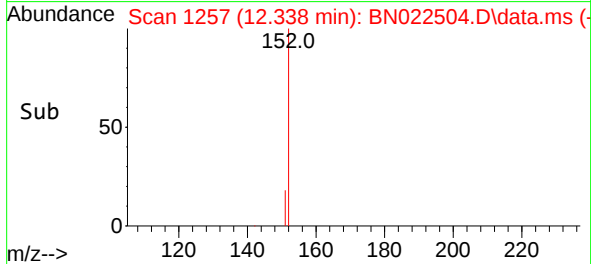
Instrument :
BNA_N
ClientSampleId :
S-8-103122DL



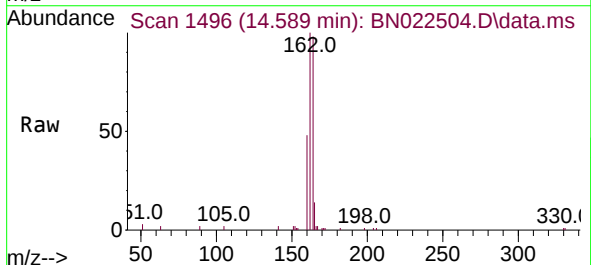
Tgt Ion:152 Resp: 2922
Ion Ratio Lower Upper
152 100
151 21.1 16.6 25.0

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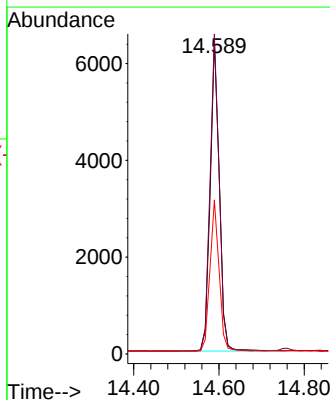
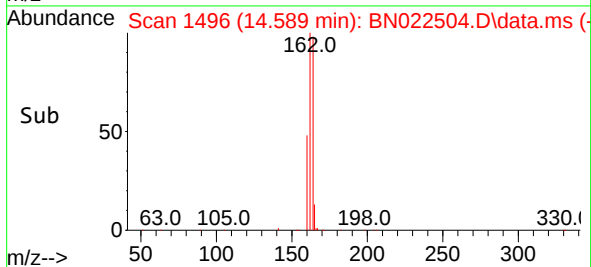
Reviewed By :Christian Giraldo 11/07/2022
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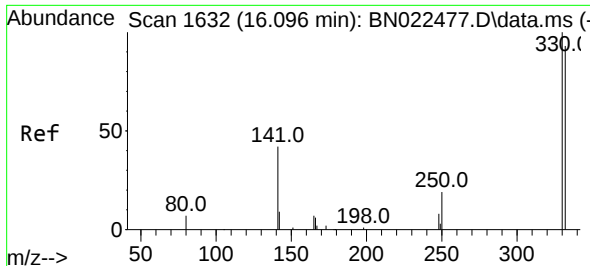


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49



Tgt Ion:164 Resp: 9518
Ion Ratio Lower Upper
164 100
162 102.2 82.0 123.0
160 49.2 39.4 59.2





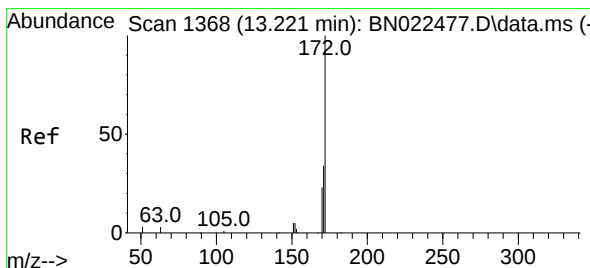
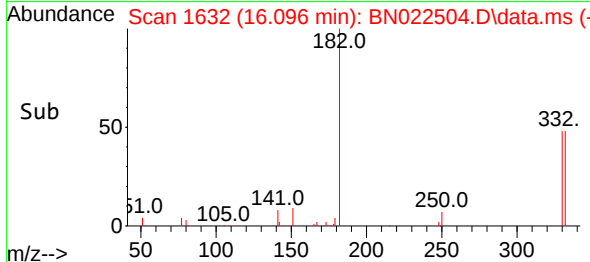
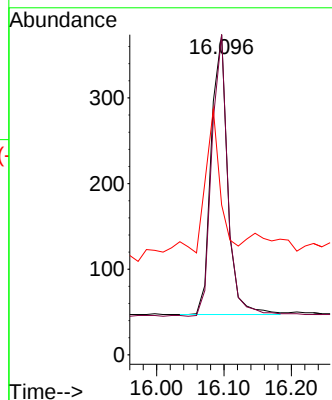
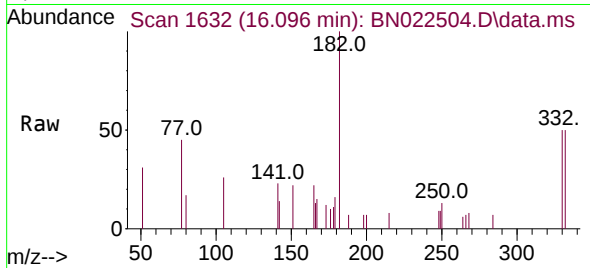
#14
2,4,6-Tribromophenol
Concen: 0.111 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

Instrument :
BNA_N
ClientSampleId :
S-8-103122DL

Tgt Ion:330 Resp: 552
Ion Ratio Lower Upper
330 100
332 98.7 77.8 116.8
141 46.3 35.0 52.6

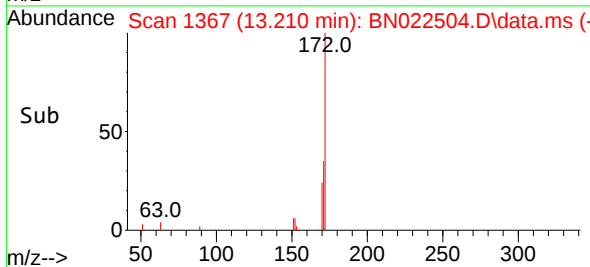
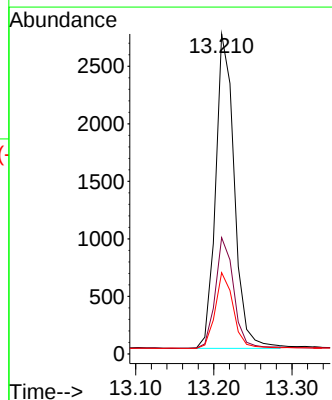
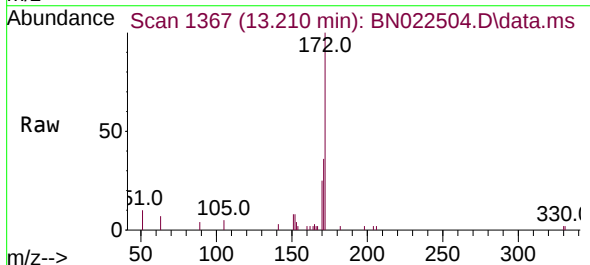
Manual Integrations
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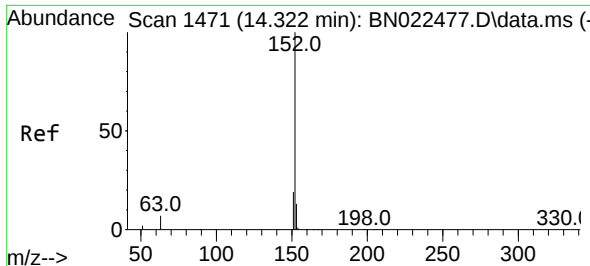
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#15
2-Fluorobiphenyl
Concen: 0.115 ng
RT: 13.210 min Scan# 1367
Delta R.T. -0.011 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

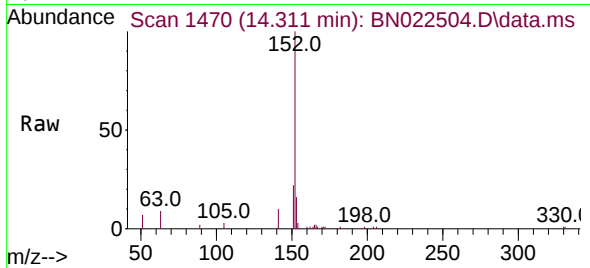
Tgt Ion:172 Resp: 4557
Ion Ratio Lower Upper
172 100
171 36.3 27.9 41.9
170 25.4 19.2 28.8





#16
Acenaphthylene
Concen: 0.143 ng
RT: 14.311 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

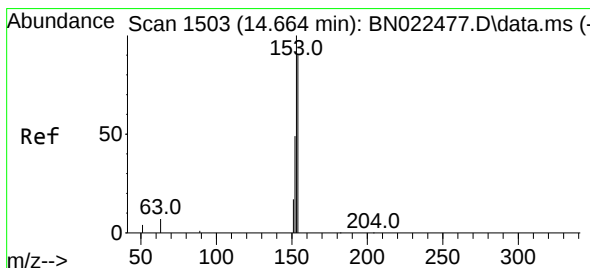
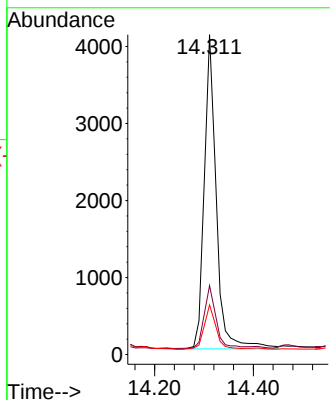
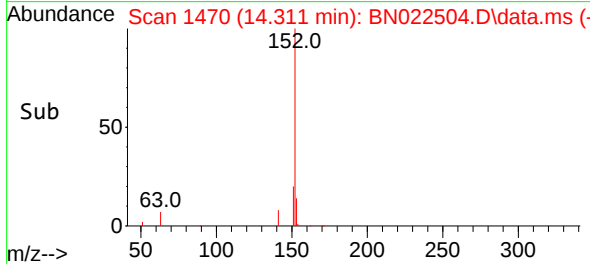
Instrument :
BNA_N
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S-8-103122DL



Tgt Ion:152 Resp: 6926
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.8 10.3 15.5

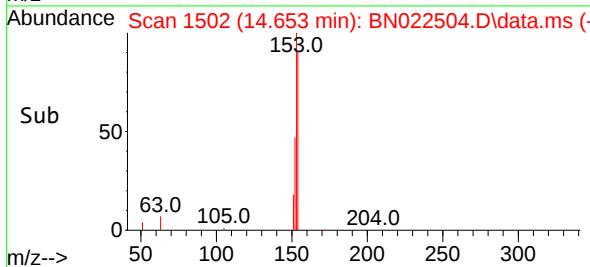
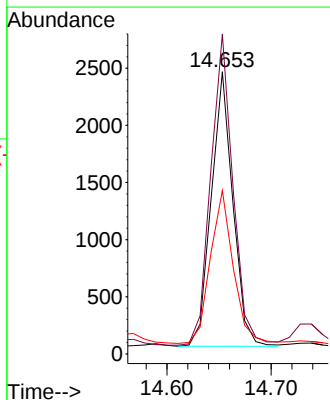
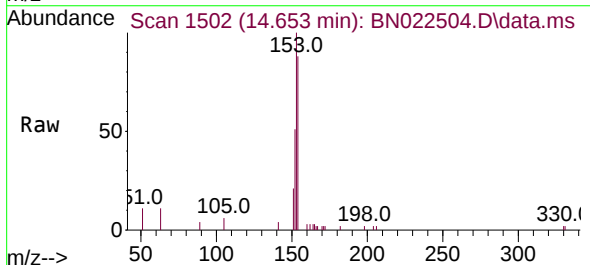
Manual Integrations
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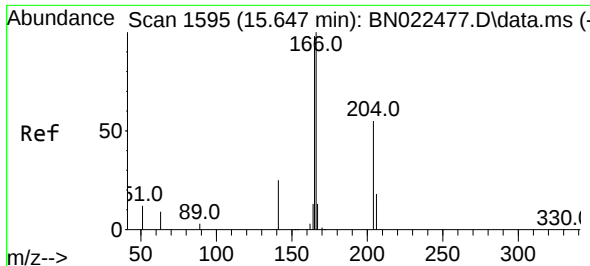
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#17
Acenaphthene
Concen: 0.111 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

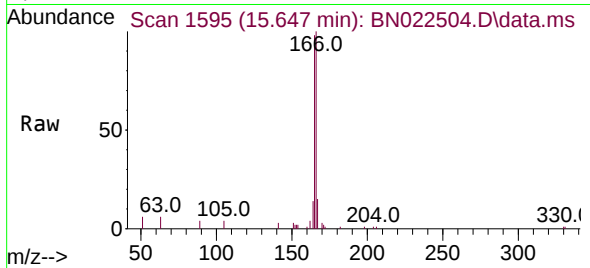
Tgt Ion:154 Resp: 3461
Ion Ratio Lower Upper
154 100
153 116.6 91.8 137.8
152 59.1 45.7 68.5





#18
Fluorene
Concen: 0.157 ng
RT: 15.647 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

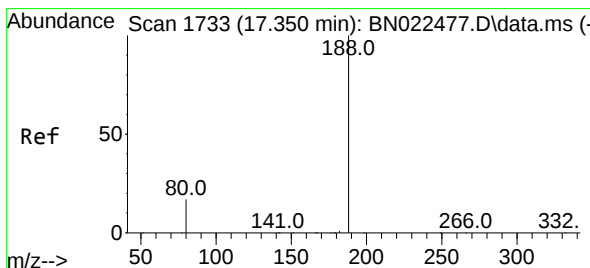
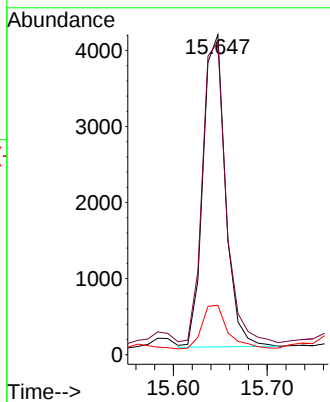
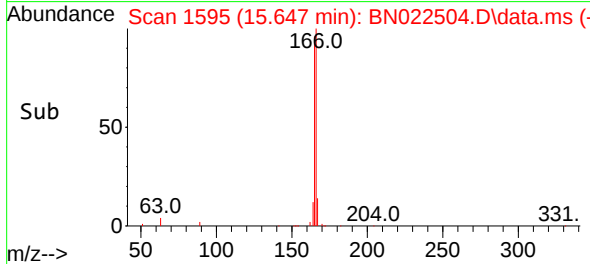
Instrument :
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S-8-103122DL



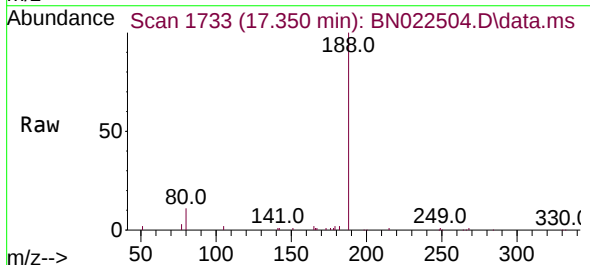
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Ion Ratio Lower Upper
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165 100.9 78.7 118.1
167 16.1 10.2 15.2

Manual Integrations
APPROVED

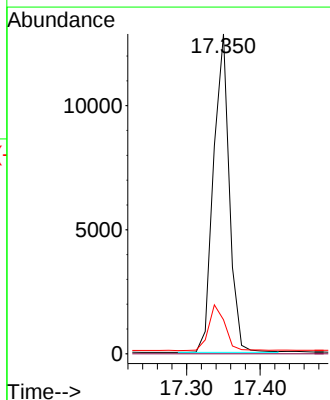
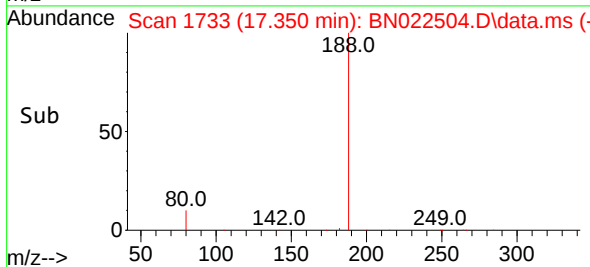
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

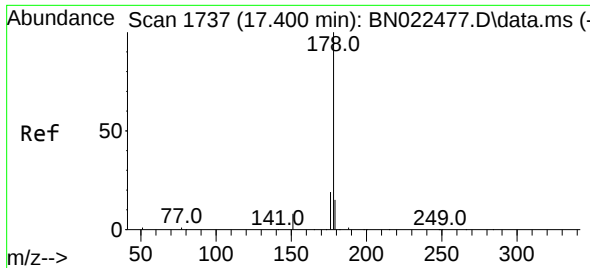


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49



Tgt Ion:188 Resp: 19312
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.7 14.6 21.8





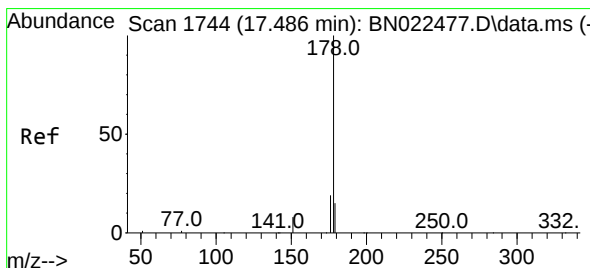
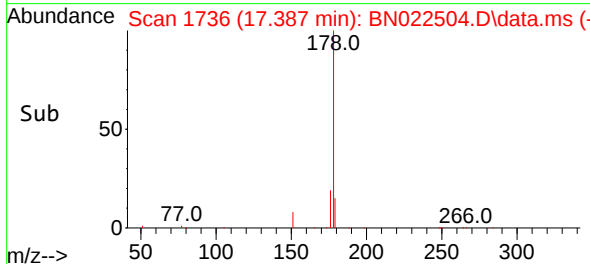
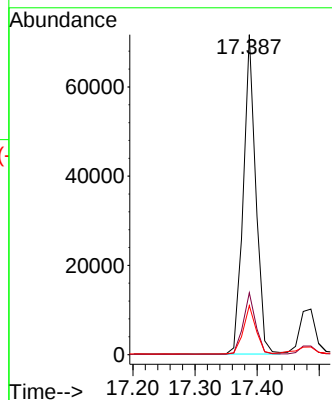
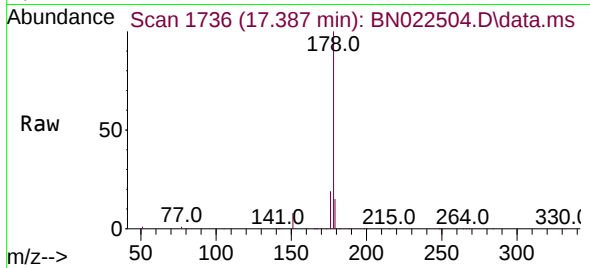
#25
Phenanthrene
Concen: 1.543 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

Instrument :
BNA_N
ClientSampleId :
S-8-103122DL

Tgt Ion:178 Resp: 99566
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.4 12.2 18.4

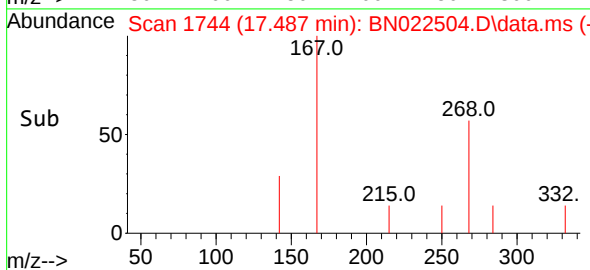
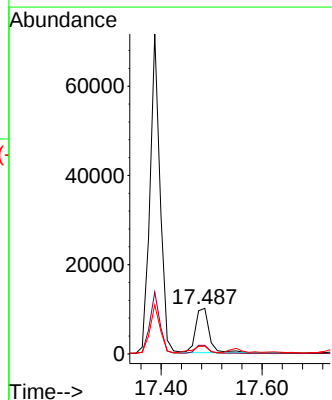
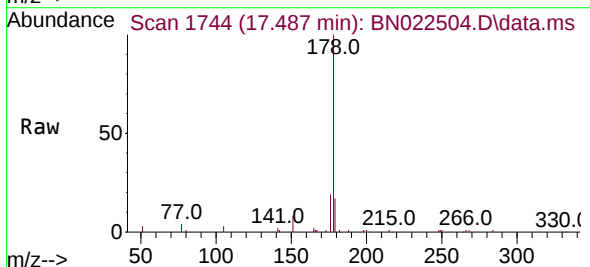
Manual Integrations
APPROVED

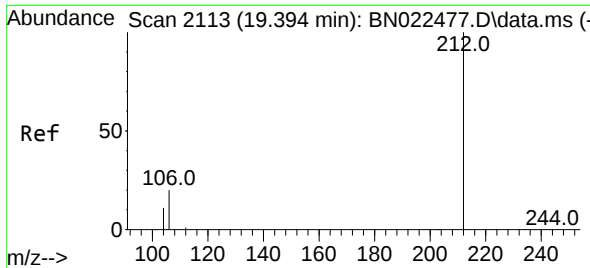
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#26
Anthracene
Concen: 0.329 ng
RT: 17.487 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

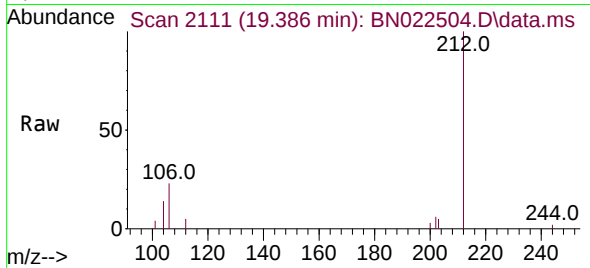
Tgt Ion:178 Resp: 18704
Ion Ratio Lower Upper
178 100
176 18.2 14.8 22.2
179 16.4 12.2 18.2





#27
Fluoranthene-d10
Concen: 0.109 ng
RT: 19.386 min Scan# 2111
Delta R.T. -0.008 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

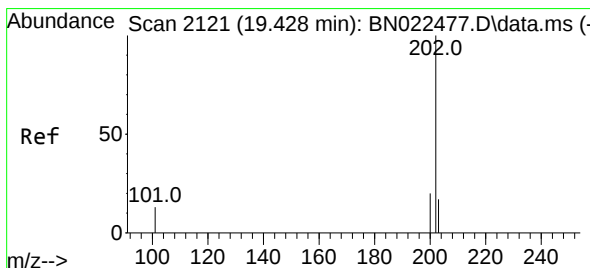
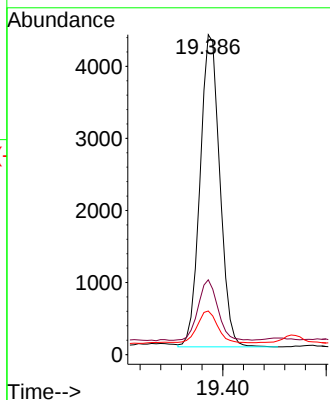
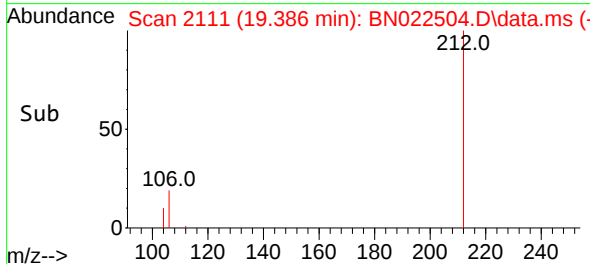
Instrument :
BNA_N
ClientSampleId :
S-8-103122DL



Tgt Ion:212 Resp: 5739
Ion Ratio Lower Upper
212 100
106 19.2 15.2 22.8
104 10.9 8.6 12.8

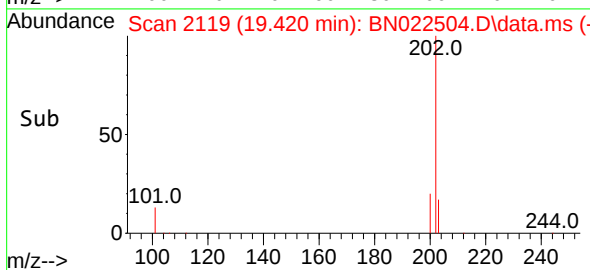
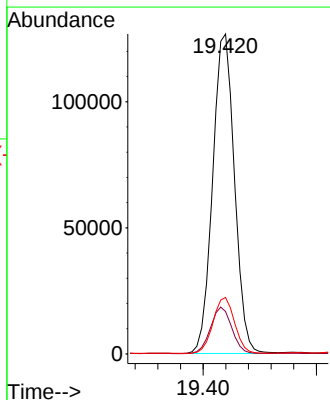
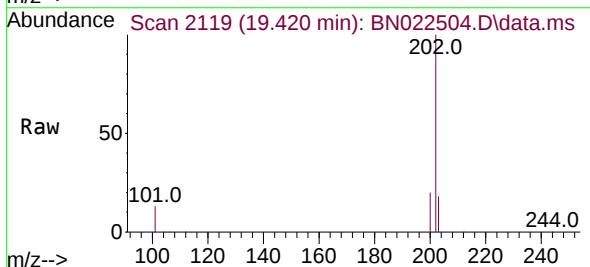
Manual Integrations
APPROVED

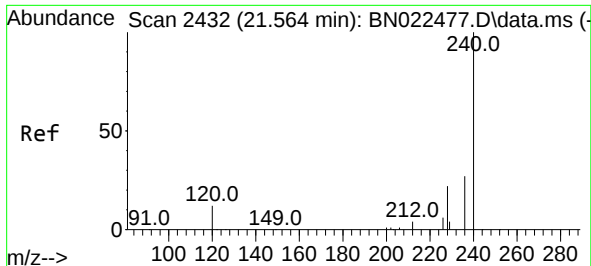
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#28
Fluoranthene
Concen: 2.437 ng
RT: 19.420 min Scan# 2119
Delta R.T. -0.008 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

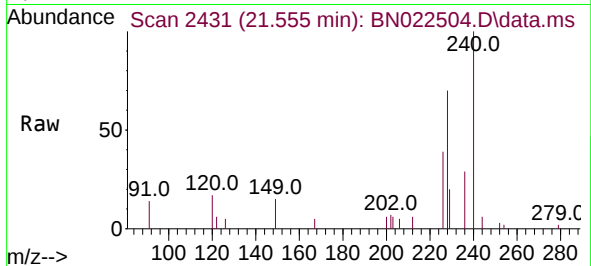
Tgt Ion:202 Resp: 169547
Ion Ratio Lower Upper
202 100
101 14.2 11.2 16.8
203 17.3 13.6 20.4





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

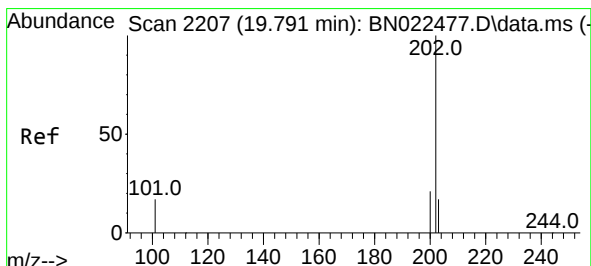
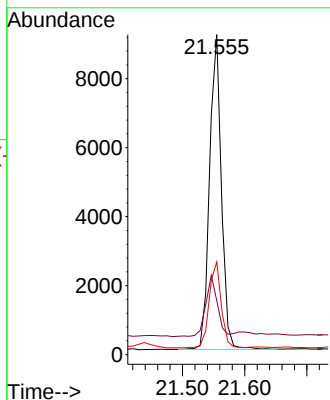
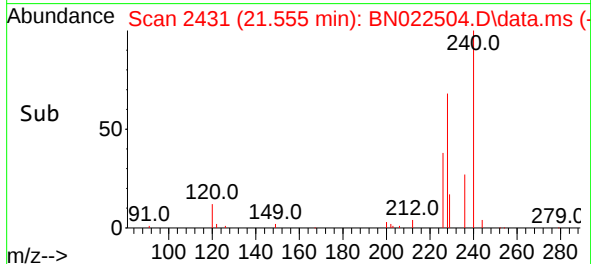
Instrument :
BNA_N
ClientSampleId :
S-8-103122DL



Tgt Ion:240 Resp: 12129
Ion Ratio Lower Upper
240 100
120 16.9 12.4 18.6
236 29.0 22.7 34.1

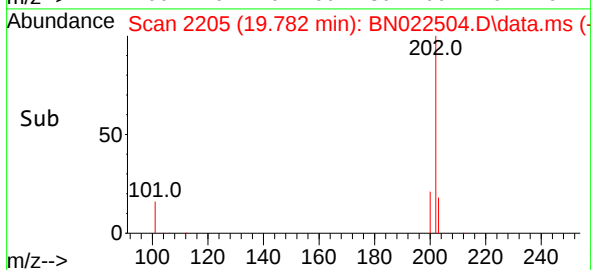
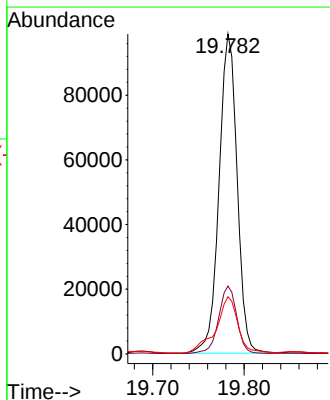
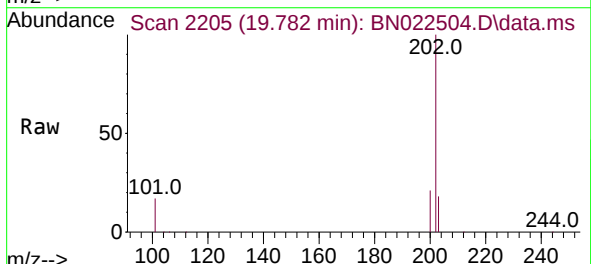
Manual Integrations
APPROVED

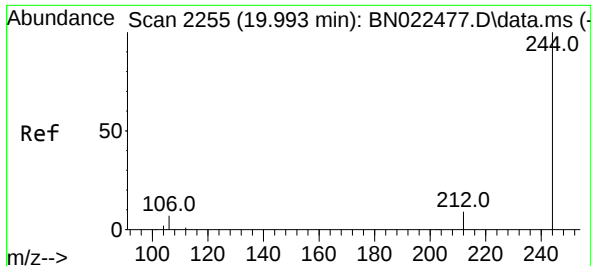
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#30
Pyrene
Concen: 2.599 ng
RT: 19.782 min Scan# 2205
Delta R.T. -0.008 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

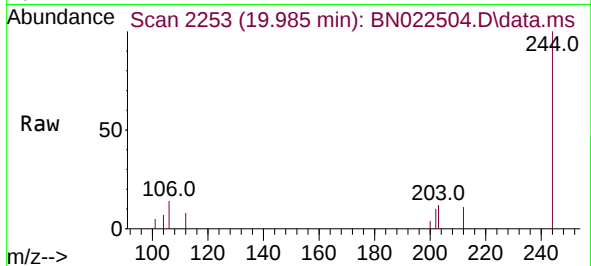
Tgt Ion:202 Resp: 136112
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 21.4 14.3 21.5





#31
Terphenyl-d14
Concen: 0.144 ng
RT: 19.985 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

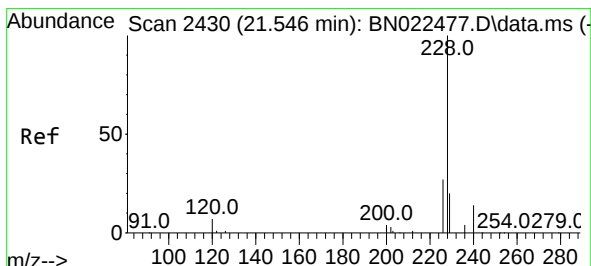
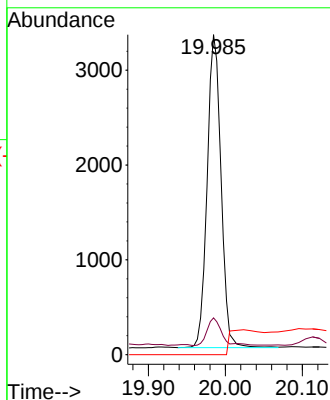
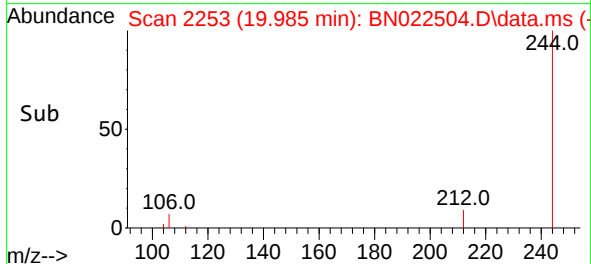
Instrument :
BNA_N
ClientSampleId :
S-8-103122DL



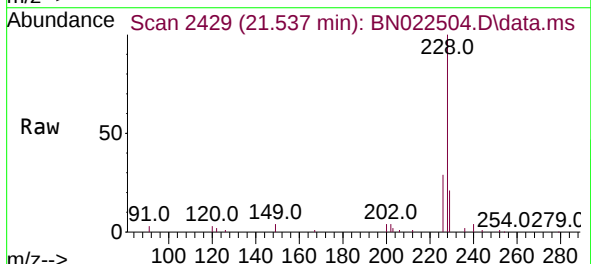
Tgt Ion:244 Resp: 5452
Ion Ratio Lower Upper
244 100
212 11.5 7.8 11.8
122 0.0 0.0 0.0

Manual Integrations
APPROVED

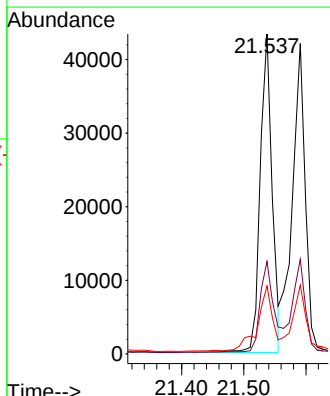
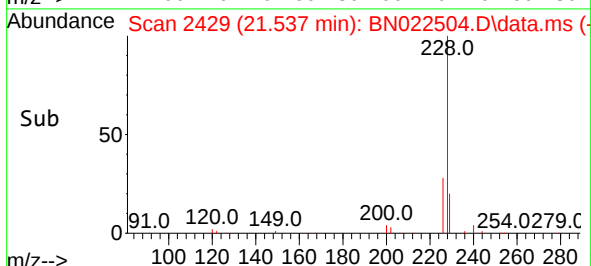
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

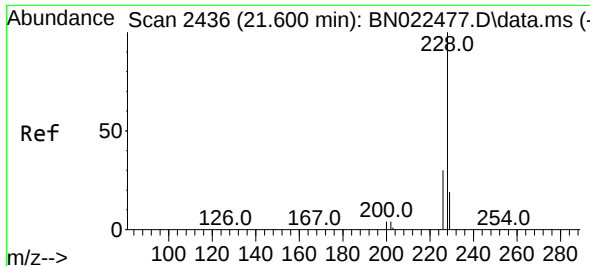


#32
Benzo(a)anthracene
Concen: 1.188 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49



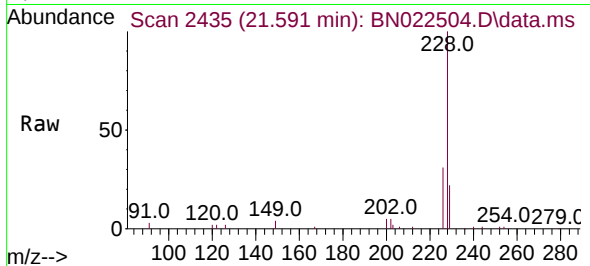
Tgt Ion:228 Resp: 57958
Ion Ratio Lower Upper
228 100
226 28.9 22.1 33.1
229 21.2 16.4 24.6





#33
Chrysene
Concen: 1.266 ng
RT: 21.591 min Scan# 2436
Delta R.T. -0.009 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

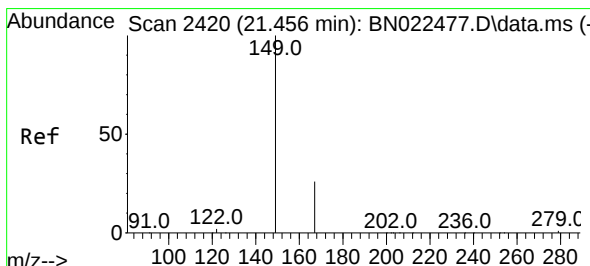
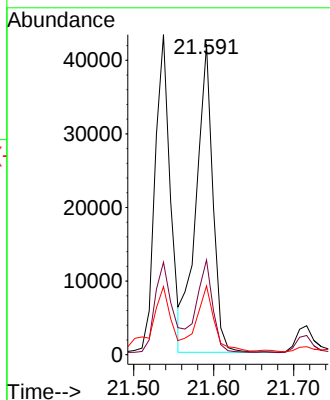
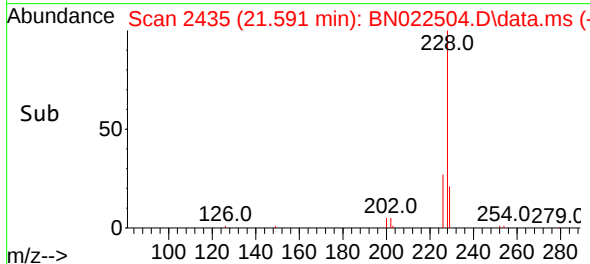
Instrument :
BNA_N
ClientSampleId :
S-8-103122DL



Tgt Ion:228 Resp: 61150
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 22.2 15.9 23.9

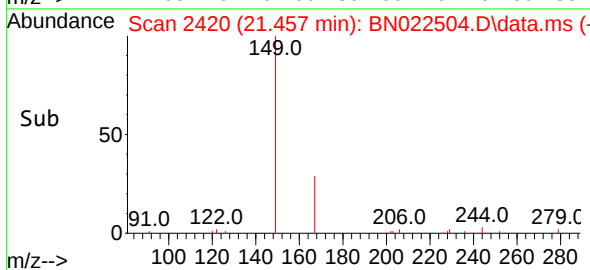
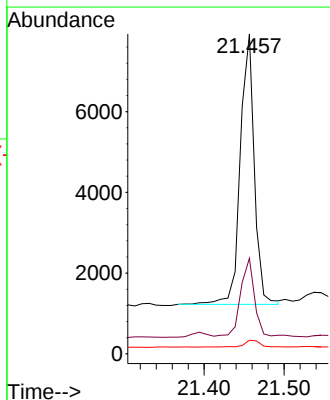
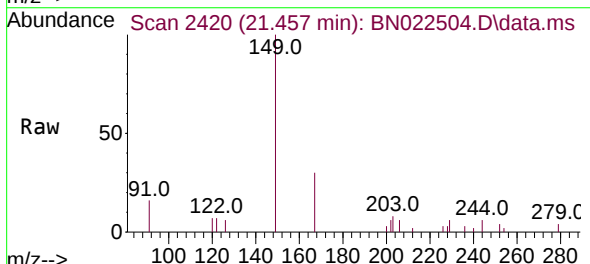
Manual Integrations
APPROVED

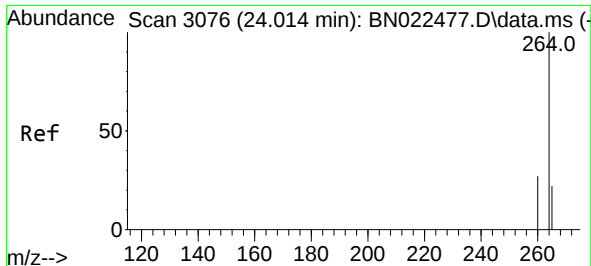
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.198 ng
RT: 21.457 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

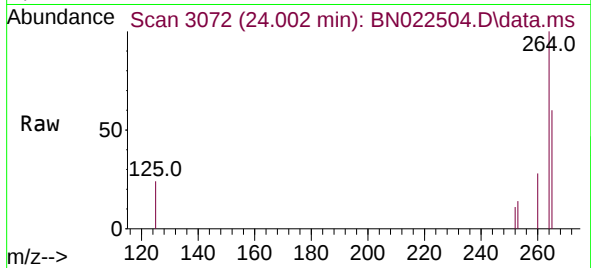
Tgt Ion:149 Resp: 8145
Ion Ratio Lower Upper
149 100
167 28.5 21.3 31.9
279 3.0 2.7 4.1





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.002 min Scan# 3076
 Delta R.T. -0.012 min
 Lab File: BN022504.D
 Acq: 04 Nov 2022 08:49

Instrument :
 BNA_N
 ClientSampleId :
 S-8-103122DL

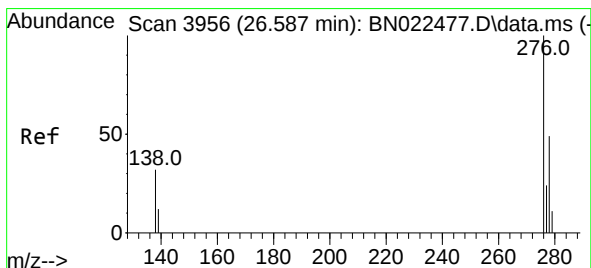
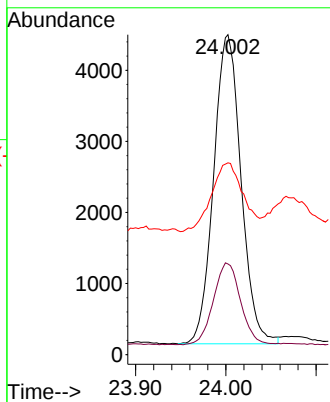
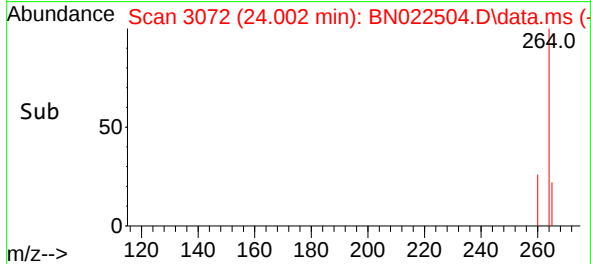


Tgt Ion: 264 Resp: 9200

Ion	Ratio	Lower	Upper
264	100		
260	28.3	22.4	33.6
265	60.0	44.4	66.6

Manual Integrations
 APPROVED

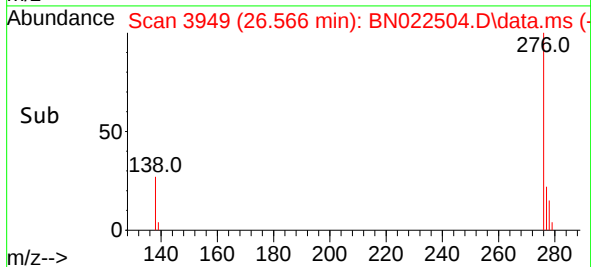
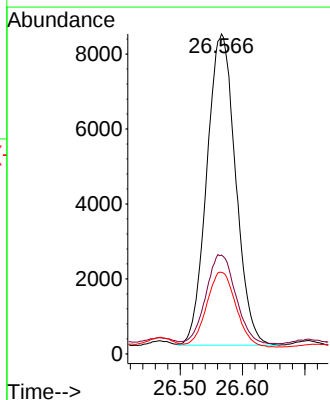
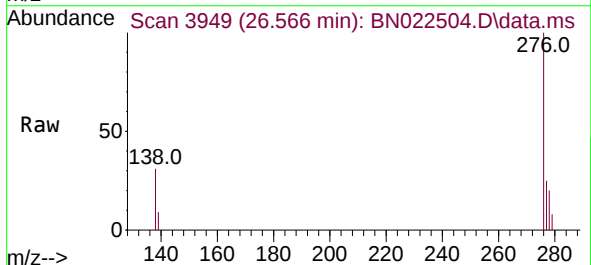
Reviewed By : Christian Giraldo 11/07/2022
 Supervised By : mohammad ahmed 11/08/2022

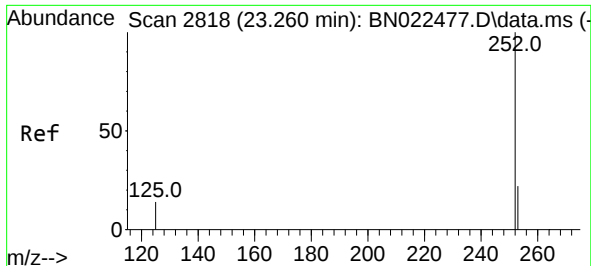


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.599 ng
 RT: 26.566 min Scan# 3949
 Delta R.T. -0.020 min
 Lab File: BN022504.D
 Acq: 04 Nov 2022 08:49

Tgt Ion: 276 Resp: 26561

Ion	Ratio	Lower	Upper
276	100		
138	29.7	27.5	41.3
277	24.7	19.8	29.6





#37

Benzo(b)fluoranthene

Concen: 1.697 ng

RT: 23.251 min Scan# 2815

Delta R.T. -0.009 min

Lab File: BN022504.D

Acq: 04 Nov 2022 08:49

Instrument :

BNA_N

ClientSampleId :

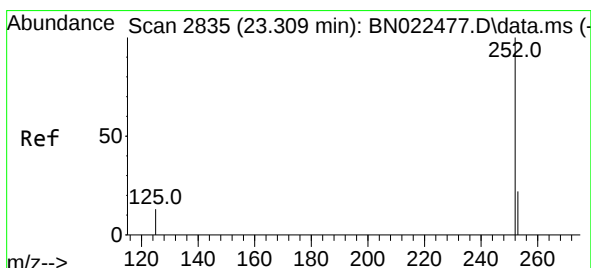
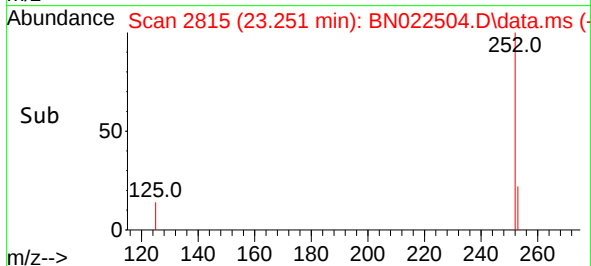
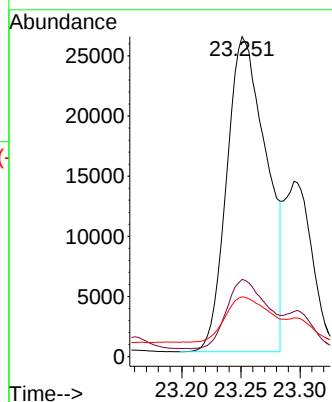
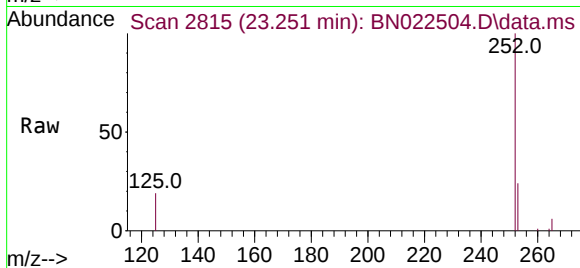
S-8-103122DL

Tgt Ion:252	Resp:	61412
Ion Ratio	Lower	Upper
252	100	
253	24.1	21.1 31.7
125	18.7	16.8 25.2

Manual Integrations

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Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#38

Benzo(k)fluoranthene

Concen: 0.650 ng m

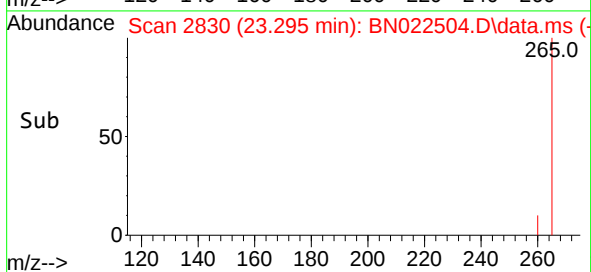
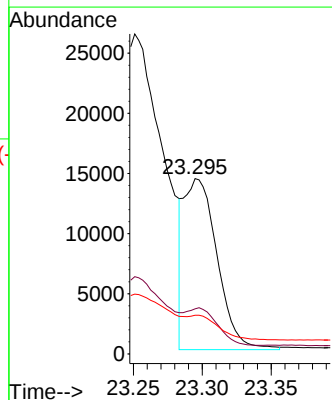
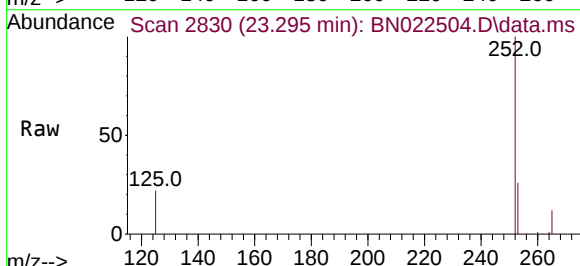
RT: 23.295 min Scan# 2830

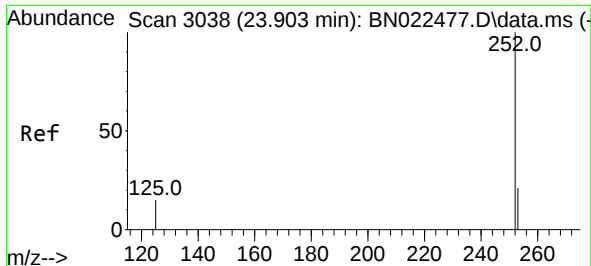
Delta R.T. -0.015 min

Lab File: BN022504.D

Acq: 04 Nov 2022 08:49

Tgt Ion:252	Resp:	23985
Ion Ratio	Lower	Upper
252	100	
253	25.7	20.9 31.3
125	22.1	16.1 24.1





#39

Benzo(a)pyrene

Concen: 1.340 ng

RT: 23.891 min Scan# 3038

Delta R.T. -0.012 min

Lab File: BN022504.D

Acq: 04 Nov 2022 08:49

Instrument :

BN022504.D

ClientSampleId :

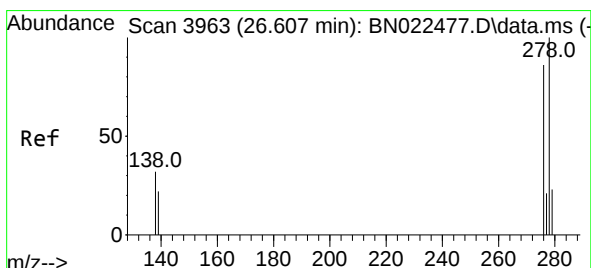
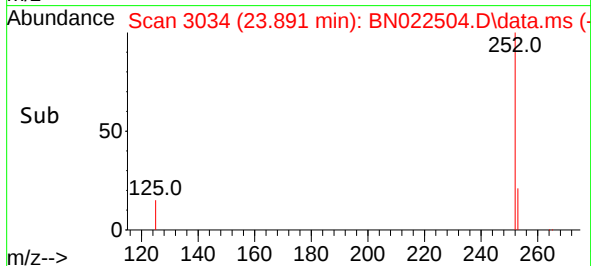
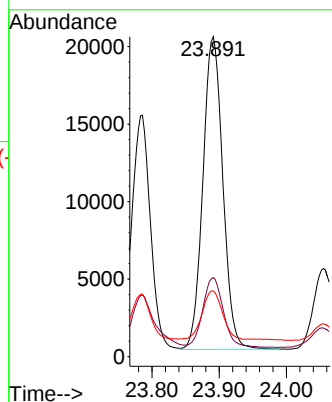
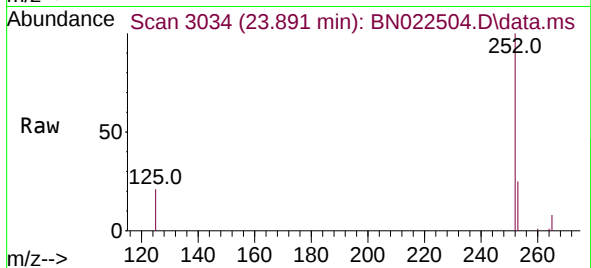
S-8-103122DL

Tgt Ion:	252	Resp:	4153
Ion Ratio	Lower	Upper	
252	100		
253	24.7	22.0	33.0
125	20.5	19.8	29.8

Manual Integrations

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Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#40

Dibenzo(a,h)anthracene

Concen: 0.190 ng

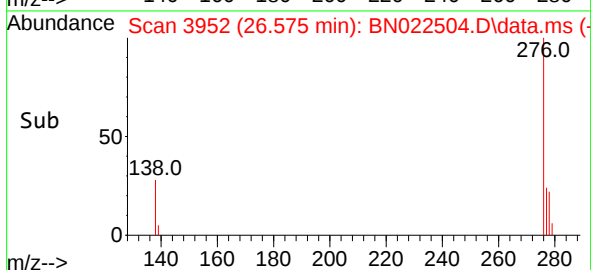
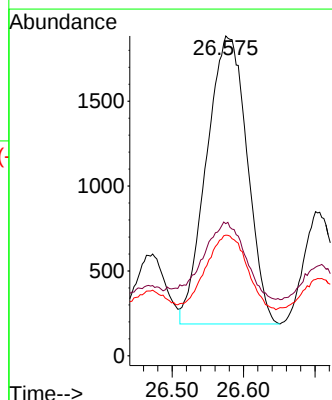
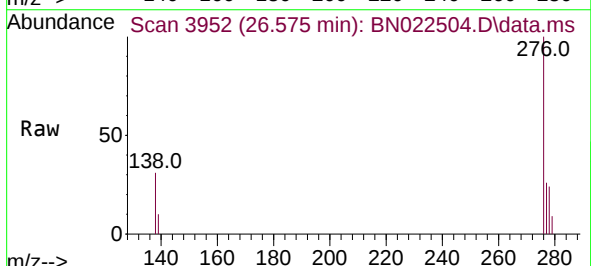
RT: 26.575 min Scan# 3952

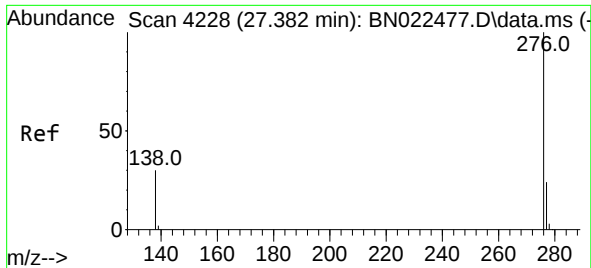
Delta R.T. -0.032 min

Lab File: BN022504.D

Acq: 04 Nov 2022 08:49

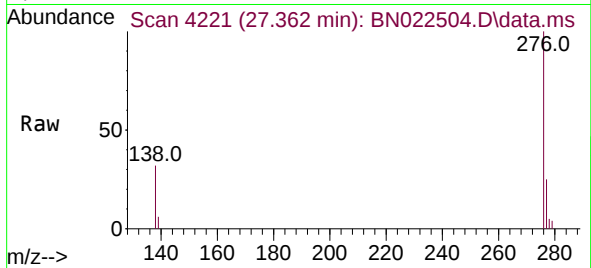
Tgt Ion:	278	Resp:	6683
Ion Ratio	Lower	Upper	
278	100		
139	41.3	21.8	32.6#
279	37.7	21.5	32.3#





#41
Benzo(g,h,i)perylene
Concen: 0.696 ng
RT: 27.362 min Scan# 41
Delta R.T. -0.020 min
Lab File: BN022504.D
Acq: 04 Nov 2022 08:49

Instrument :
BNA_N
ClientSampleId :
S-8-103122DL



Tgt Ion:276 Resp: 26060
Ion Ratio Lower Upper
276 100
277 25.1 21.0 31.4
138 32.0 26.0 39.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

