

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
 Data File : BN022506.D
 Acq On : 04 Nov 2022 10:03
 Operator : CG/JU
 Sample : N5395-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-6-103122

Manual Integrations
 APPROVED

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

Quant Time: Nov 04 13:57:03 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	7.921	152	4195	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	14175	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	8232	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	14480	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	7624	0.400	ng	# 0.00
35) Perylene-d12	24.002	264	6816	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.451	112	3335	0.282	ng	0.00
5) Phenol-d6	7.083	99	4101	0.275	ng	0.00
8) Nitrobenzene-d5	9.097	82	3309	0.258	ng	-0.01
11) 2-Methylnaphthalene-d10	12.338	152	5448	0.229	ng	-0.01
14) 2,4,6-Tribromophenol	16.096	330	1095	0.253	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	8034	0.234	ng	-0.01
27) Fluoranthene-d10	19.390	212	6311	0.160	ng	0.00
31) Terphenyl-d14	19.985	244	5214	0.219	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.336	93	336	0.025	ng	# 72
9) Naphthalene	10.795	128	21714	0.506	ng	97
16) Acenaphthylene	14.311	152	15787	0.378	ng	97
17) Acenaphthene	14.653	154	8340	0.310	ng	100
18) Fluorene	15.647	166	12684	0.336	ng	# 97
25) Phenanthrene	17.387	178	255834	5.286	ng	100
26) Anthracene	17.487	178	48103	1.130	ng	# 95
28) Fluoranthene	19.420	202	445728	8.546	ng	99
30) Pyrene	19.782	202	364335	11.068	ng	# 96
32) Benzo(a)anthracene	21.537	228	171354	5.589	ng	99
33) Chrysene	21.591	228	162667	5.357	ng	97
34) Bis(2-ethylhexyl)phtha...	21.457	149	24585	0.952	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.569	276	113330	3.453	ng	95
37) Benzo(b)fluoranthene	23.254	252	200923	7.497	ng	# 92
38) Benzo(k)fluoranthene	23.295	252	70970m	2.597	ng	
39) Benzo(a)pyrene	23.894	252	129537m	5.643	ng	
40) Dibenzo(a,h)anthracene	26.581	278	27636	1.059	ng	# 90
41) Benzo(g,h,i)perylene	27.365	276	112791	4.067	ng	97

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

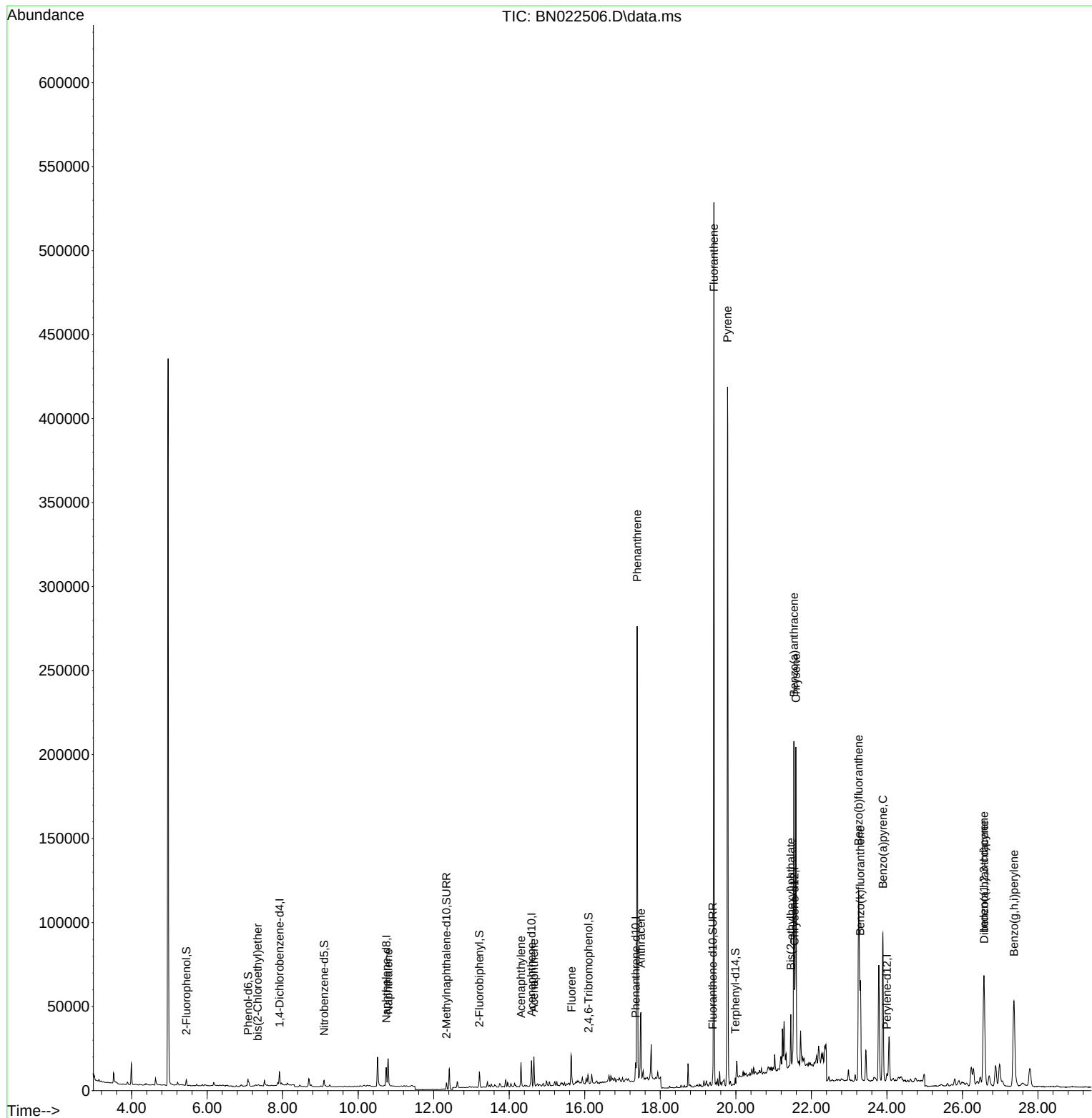
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
Data File : BN022506.D
Acq On : 04 Nov 2022 10:03
Operator : CG/JU
Sample : N5395-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

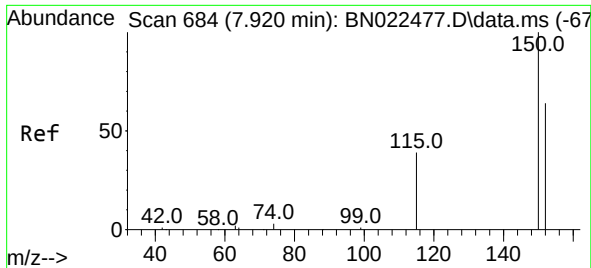
Instrument :
BNA_N
ClientSampleId :
S-6-103122

Quant Time: Nov 04 13:57:03 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

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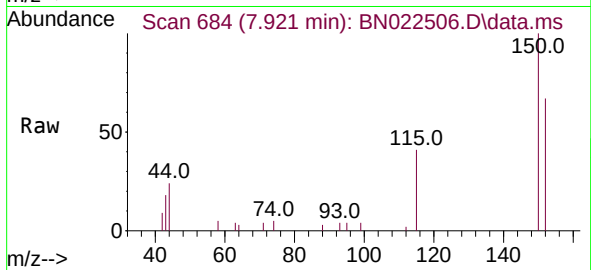
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.921 min Scan# 684
 Delta R.T. 0.001 min
 Lab File: BN022506.D
 Acq: 04 Nov 2022 10:03

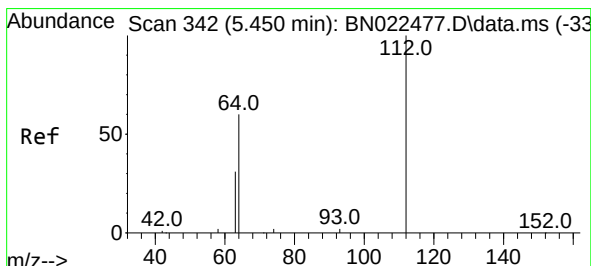
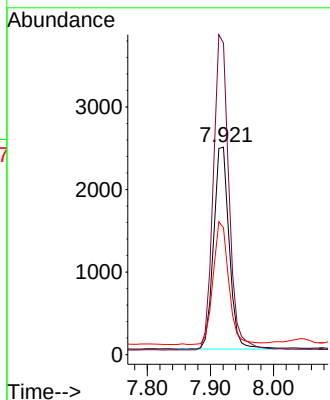
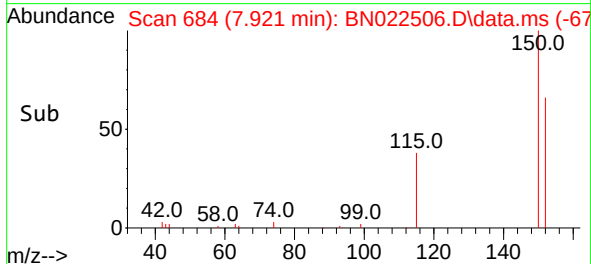
Instrument :
 BNA_N
 ClientSampleId :
 S-6-103122



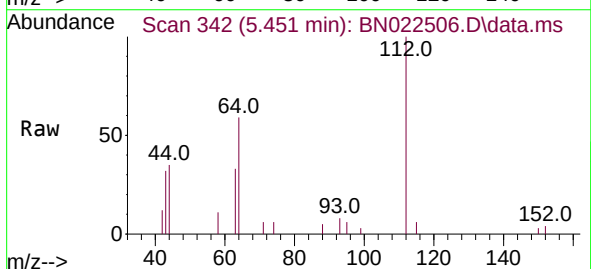
Tgt Ion:152 Resp: 4195
 Ion Ratio Lower Upper
 152 100
 150 150.2 123.4 185.2
 115 61.1 54.9 82.3

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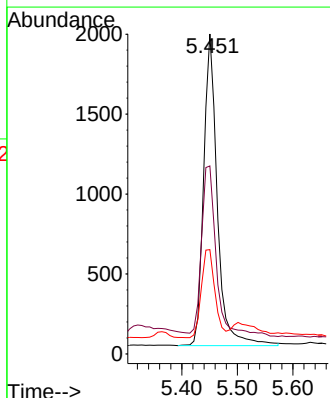
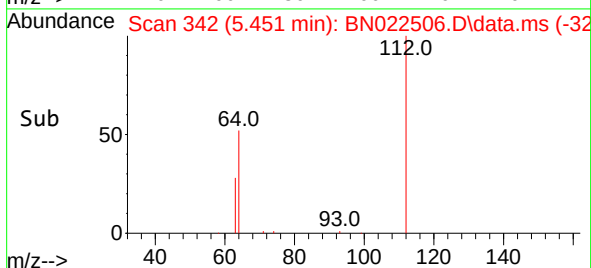
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :mohammad ahmed 11/08/2022

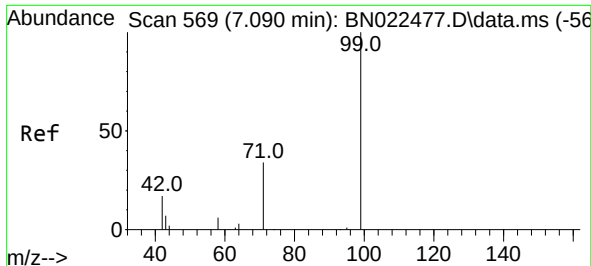


#4
 2-Fluorophenol
 Concen: 0.282 ng
 RT: 5.451 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: BN022506.D
 Acq: 04 Nov 2022 10:03



Tgt Ion:112 Resp: 3335
 Ion Ratio Lower Upper
 112 100
 64 60.0 47.1 70.7
 63 28.2 24.6 36.8





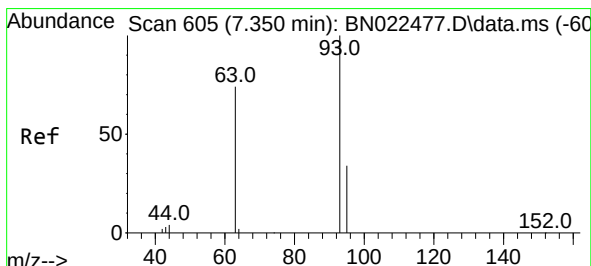
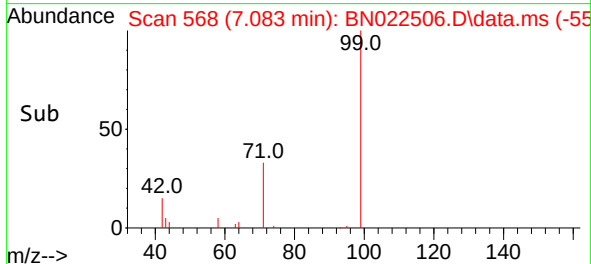
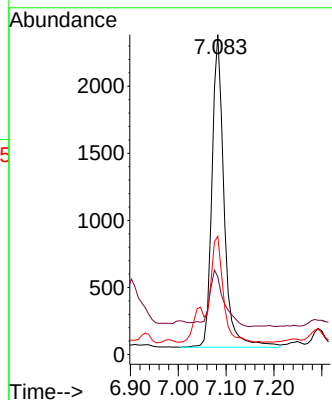
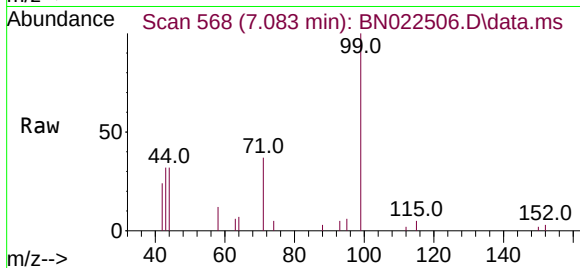
#5
Phenol-d6
Concen: 0.275 ng
RT: 7.083 min Scan# 569
Delta R.T. -0.007 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

Instrument :
BNA_N
ClientSampleId :
S-6-103122

Tgt Ion: 99 Resp: 410
Ion Ratio Lower Upper
99 100
42 20.9 14.7 22.1
71 44.7 27.0 40.6

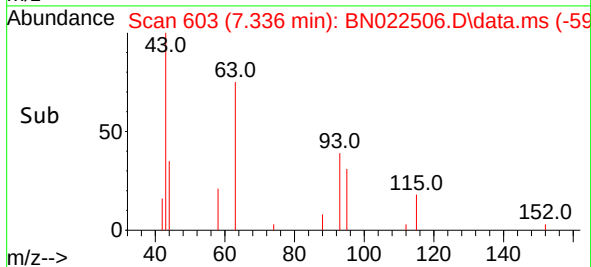
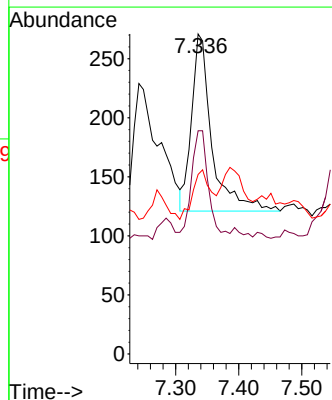
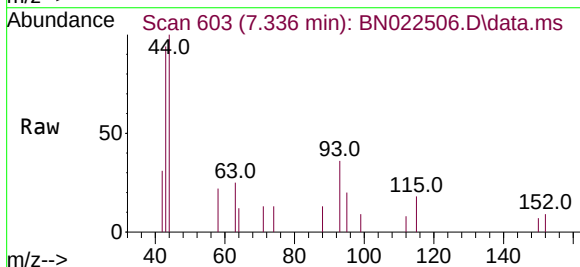
Manual Integrations
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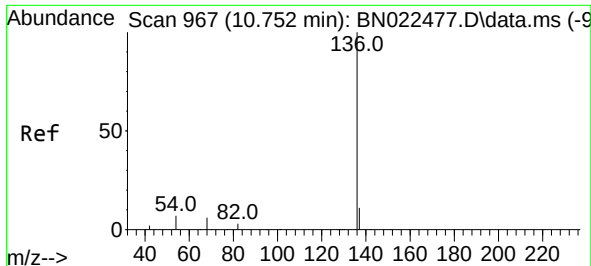
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#6
bis(2-Chloroethyl)ether
Concen: 0.025 ng
RT: 7.336 min Scan# 603
Delta R.T. -0.014 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

Tgt Ion: 93 Resp: 336
Ion Ratio Lower Upper
93 100
63 46.7 61.2 91.8#
95 25.0 25.7 38.5#





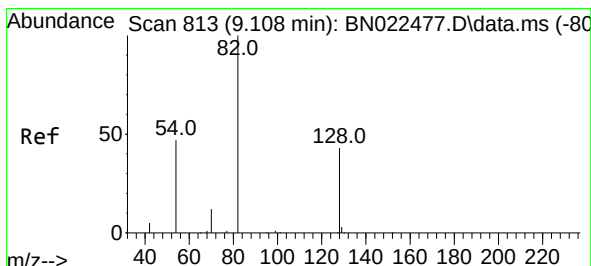
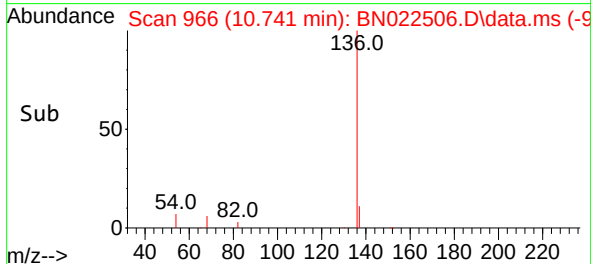
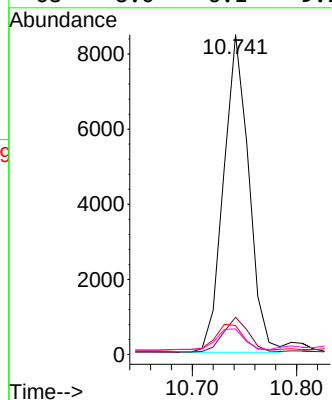
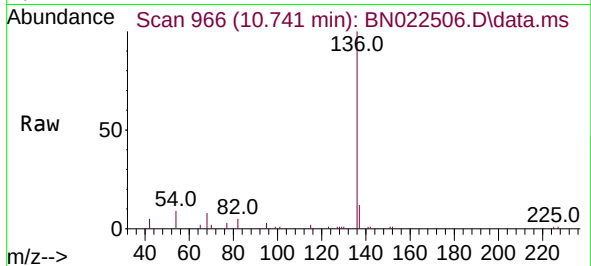
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 967
Delta R.T. -0.011 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

Instrument :
BNA_N
ClientSampleId :
S-6-103122

Tgt Ion:	136	Resp:	14175
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.5	14.3
54	9.1	7.1	10.7
68	8.0	6.1	9.1

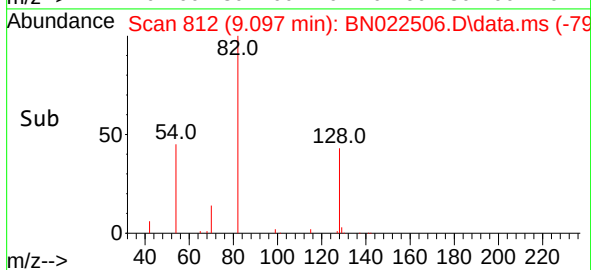
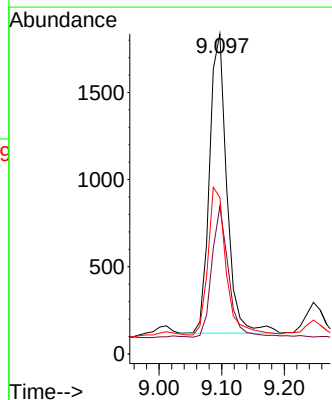
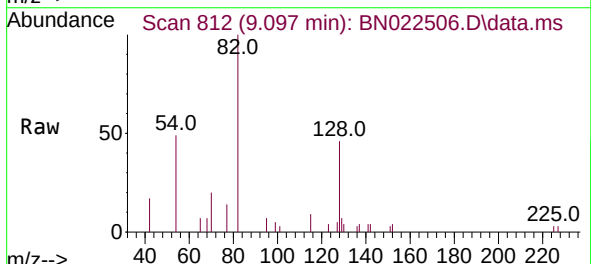
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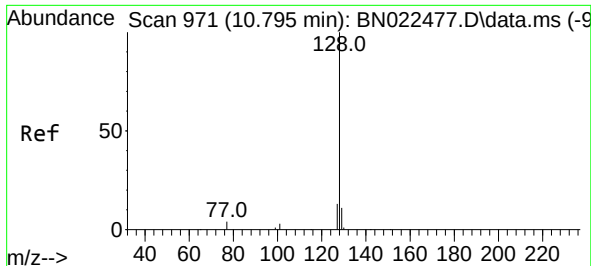
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#8
Nitrobenzene-d5
Concen: 0.258 ng
RT: 9.097 min Scan# 812
Delta R.T. -0.011 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

Tgt Ion:	82	Resp:	3309
Ion Ratio	Lower	Upper	
82	100		
128	46.0	37.3	55.9
54	48.9	40.0	60.0





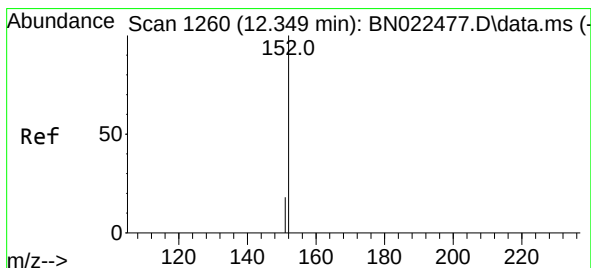
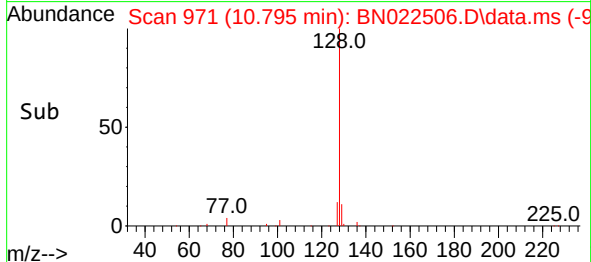
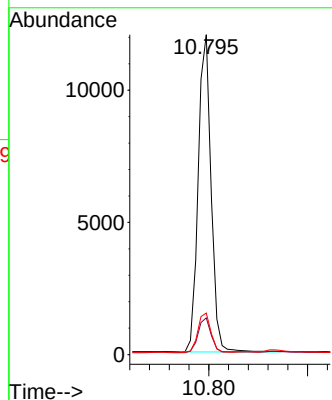
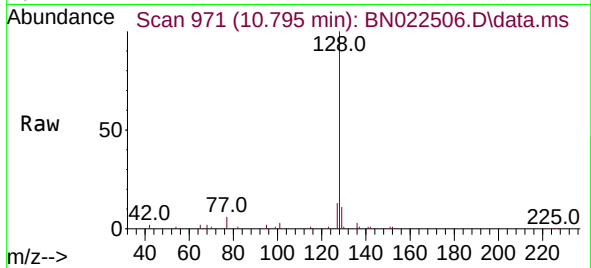
#9
Naphthalene
Concen: 0.506 ng
RT: 10.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

Instrument :
BNA_N
ClientSampleId :
S-6-103122

Tgt Ion:128 Resp: 21714
Ion Ratio Lower Upper
128 100
129 11.5 9.8 14.6
127 13.0 11.4 17.2

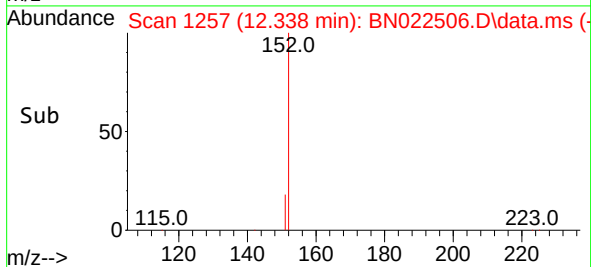
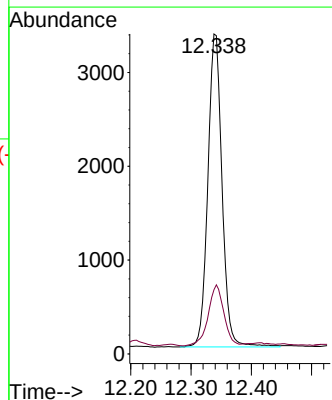
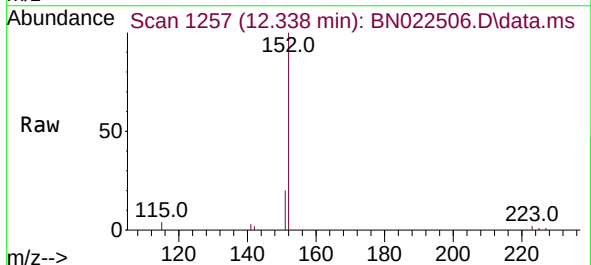
Manual Integrations
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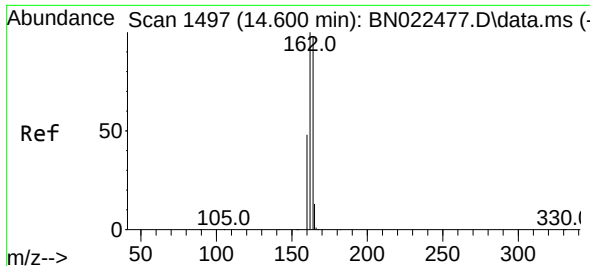
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#11
2-Methylnaphthalene-d10
Concen: 0.229 ng
RT: 12.338 min Scan# 1257
Delta R.T. -0.011 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

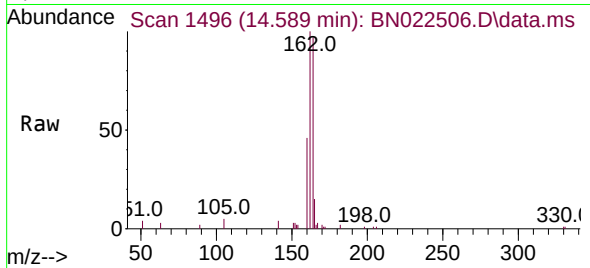
Tgt Ion:152 Resp: 5448
Ion Ratio Lower Upper
152 100
151 21.7 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

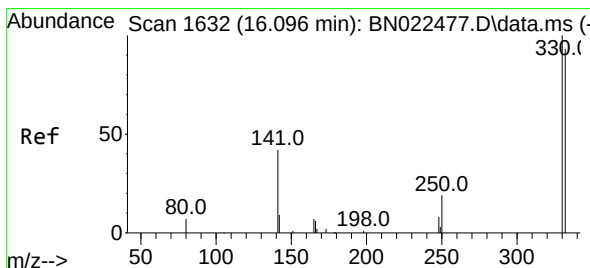
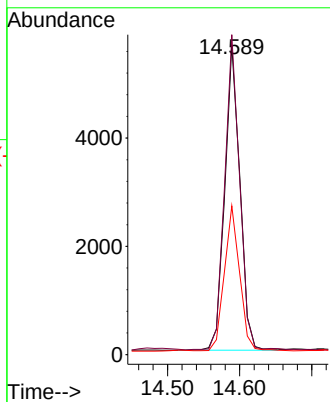
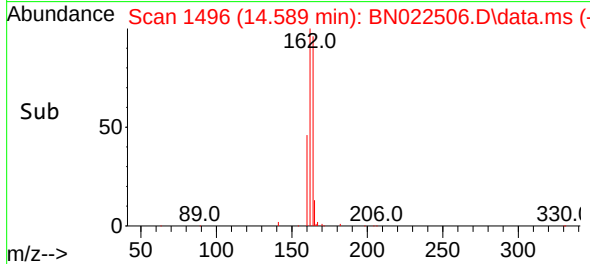
Instrument :
BNA_N
ClientSampleId :
S-6-103122



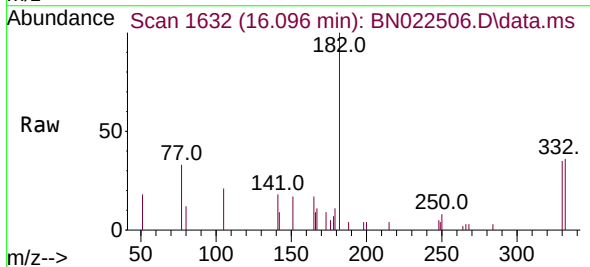
Tgt Ion:164 Resp: 823
Ion Ratio Lower Upper
164 100
162 103.5 82.0 123.0
160 48.1 39.4 59.2

Manual Integrations
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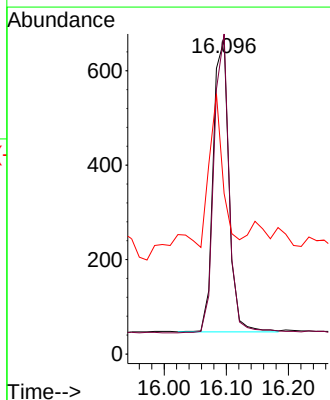
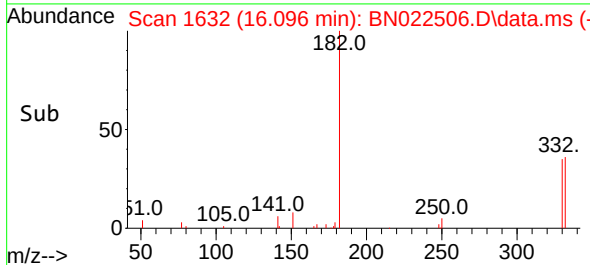
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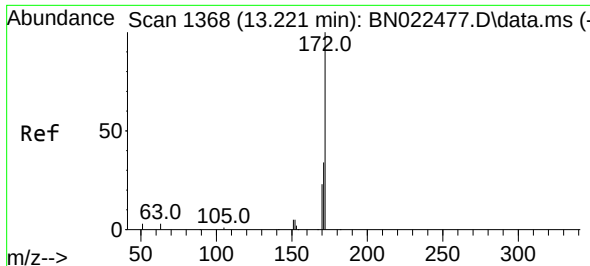


#14
2,4,6-Tribromophenol
Concen: 0.253 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03



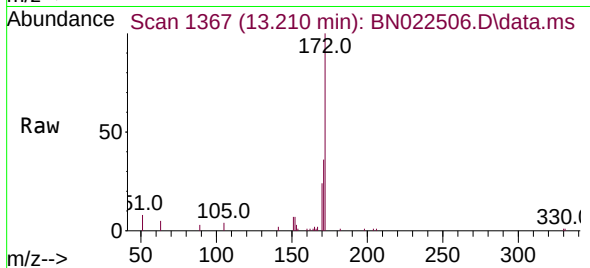
Tgt Ion:330 Resp: 1095
Ion Ratio Lower Upper
330 100
332 98.3 77.8 116.8
141 40.5 35.0 52.6





#15
2-Fluorobiphenyl
Concen: 0.234 ng
RT: 13.210 min Scan# 1368
Delta R.T. -0.011 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

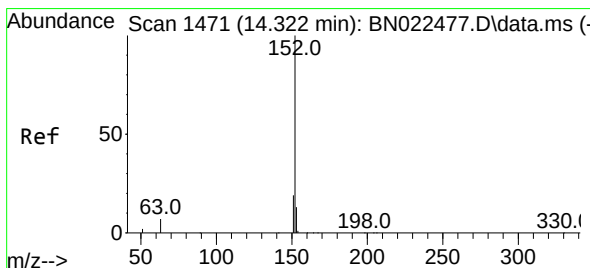
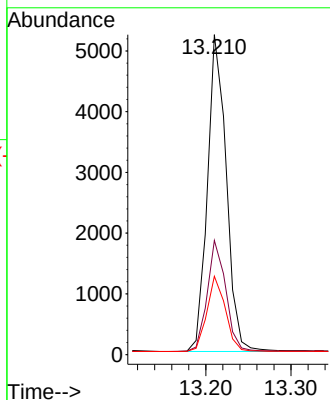
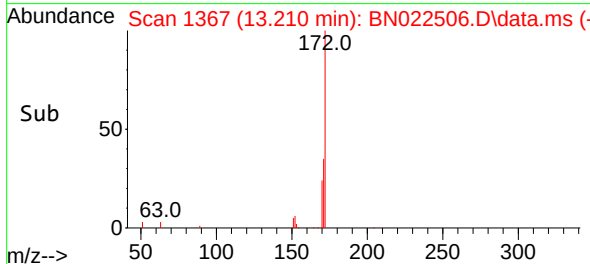
Instrument :
BNA_N
ClientSampleId :
S-6-103122



Tgt Ion:172 Resp: 8034
Ion Ratio Lower Upper
172 100
171 35.7 27.9 41.9
170 24.5 19.2 28.8

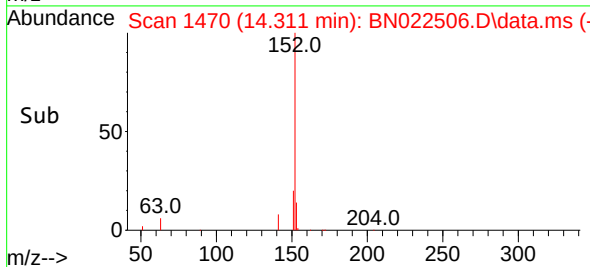
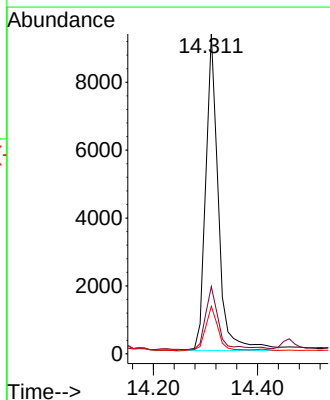
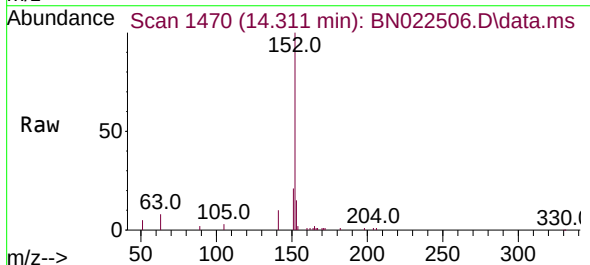
Manual Integrations
APPROVED

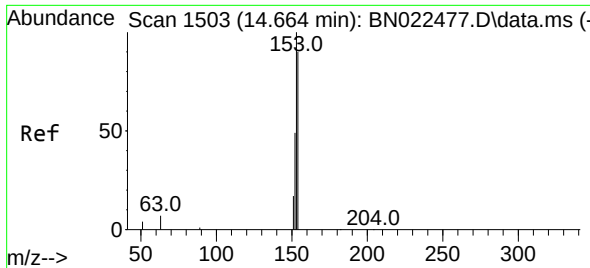
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#16
Acenaphthylene
Concen: 0.378 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.011 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

Tgt Ion:152 Resp: 15787
Ion Ratio Lower Upper
152 100
151 20.9 15.8 23.6
153 14.1 10.3 15.5





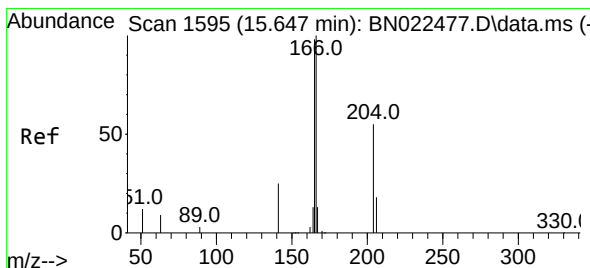
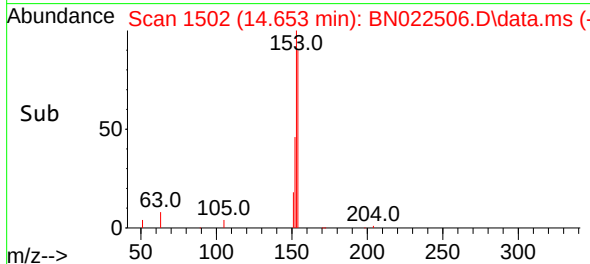
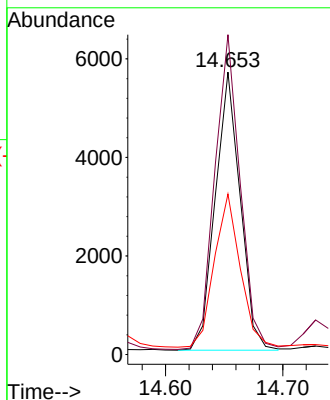
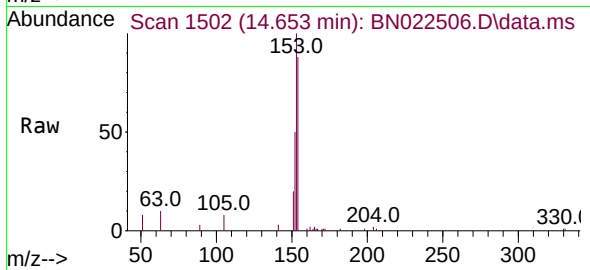
#17
Acenaphthene
Concen: 0.310 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

Instrument :
BNA_N
ClientSampleId :
S-6-103122

Tgt Ion:154 Resp: 8340
Ion Ratio Lower Upper
154 100
153 115.0 91.8 137.8
152 57.5 45.7 68.5

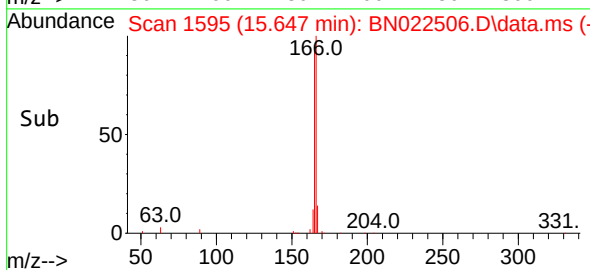
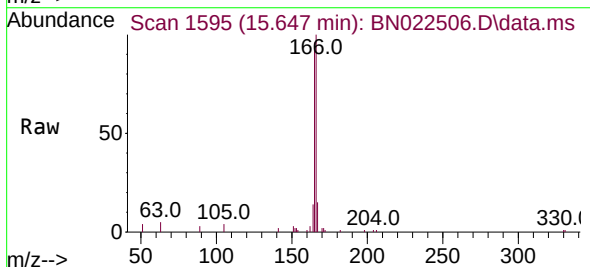
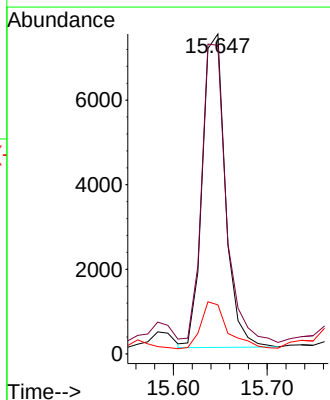
Manual Integrations
APPROVED

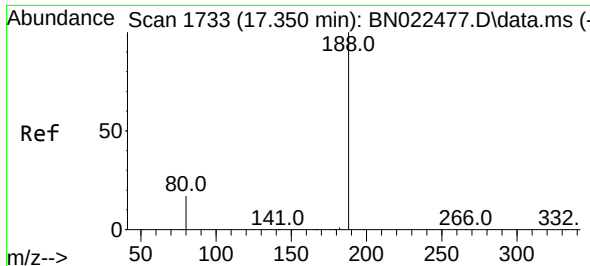
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#18
Fluorene
Concen: 0.336 ng
RT: 15.647 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

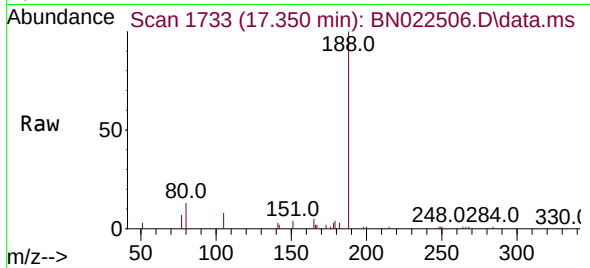
Tgt Ion:166 Resp: 12684
Ion Ratio Lower Upper
166 100
165 100.5 78.7 118.1
167 17.4 10.2 15.2#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

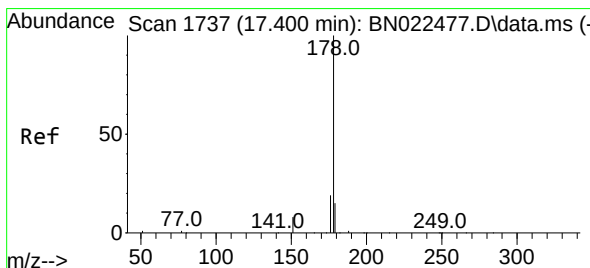
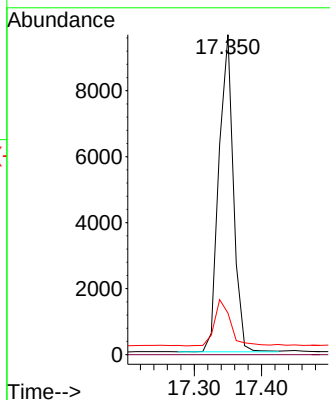
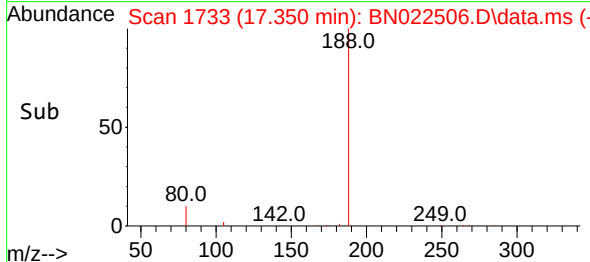
Instrument :
BNA_N
ClientSampleId :
S-6-103122



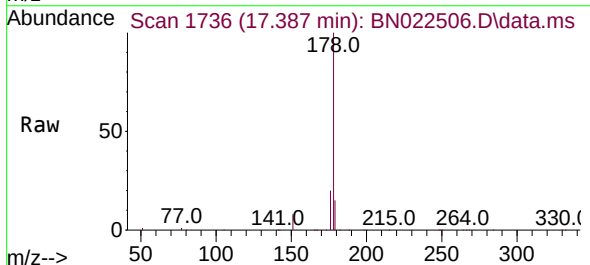
Tgt Ion:188 Resp: 14480
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.0 14.6 21.8

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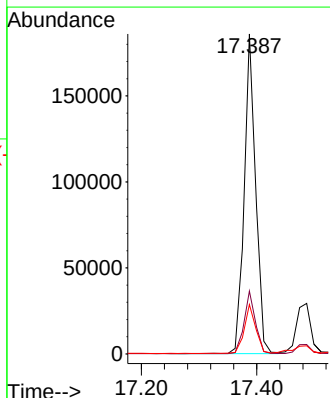
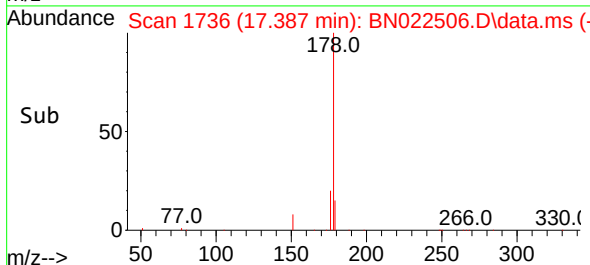
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

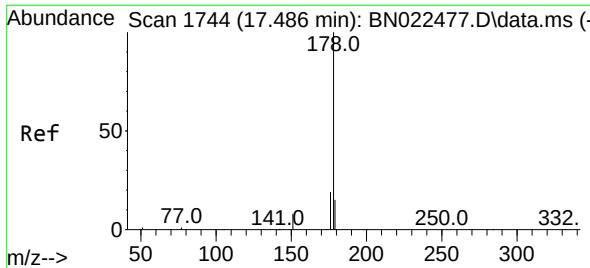


#25
Phenanthrene
Concen: 5.286 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03



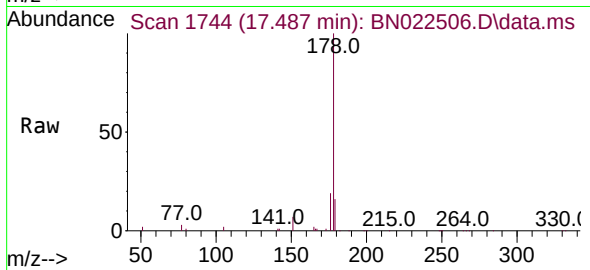
Tgt Ion:178 Resp: 255834
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.5 12.2 18.4





#26
 Anthracene
 Concen: 1.130 ng
 RT: 17.487 min Scan# 1744
 Delta R.T. 0.000 min
 Lab File: BN022506.D
 Acq: 04 Nov 2022 10:03

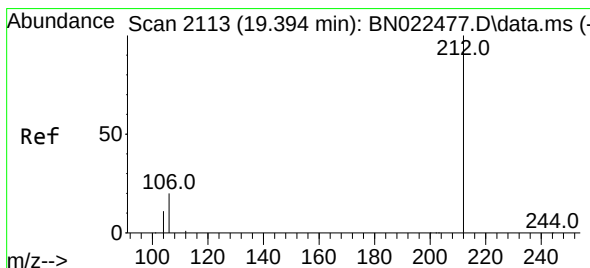
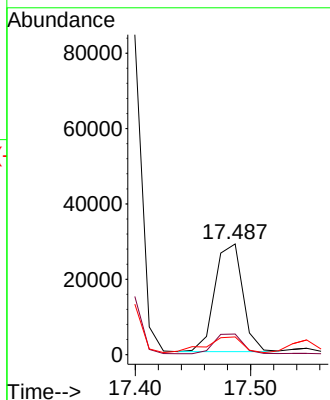
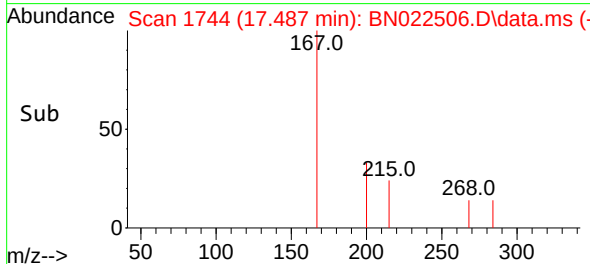
Instrument :
 BNA_N
 ClientSampleId :
 S-6-103122



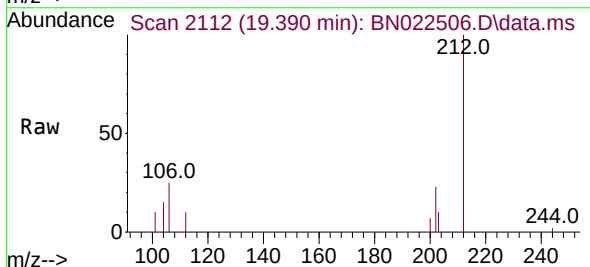
Tgt Ion:178 Resp: 48103
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.8 22.2
 179 19.0 12.2 18.2

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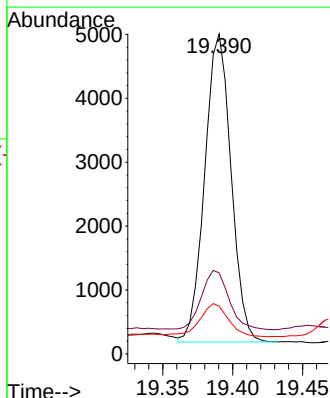
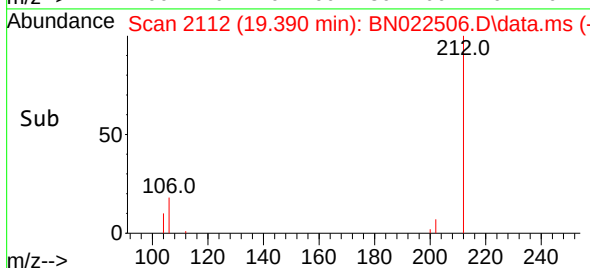
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :mohammad ahmed 11/08/2022

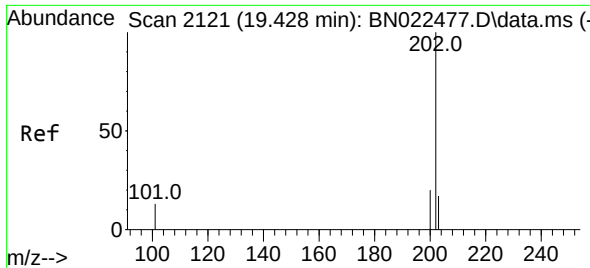


#27
 Fluoranthene-d10
 Concen: 0.160 ng
 RT: 19.390 min Scan# 2112
 Delta R.T. -0.004 min
 Lab File: BN022506.D
 Acq: 04 Nov 2022 10:03



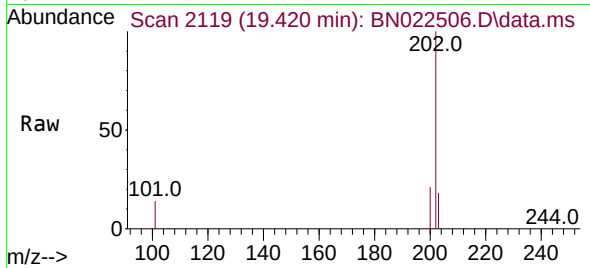
Tgt Ion:212 Resp: 6311
 Ion Ratio Lower Upper
 212 100
 106 20.1 15.2 22.8
 104 11.6 8.6 12.8





#28
Fluoranthene
Concen: 8.546 ng
RT: 19.420 min Scan# 2119
Delta R.T. -0.008 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

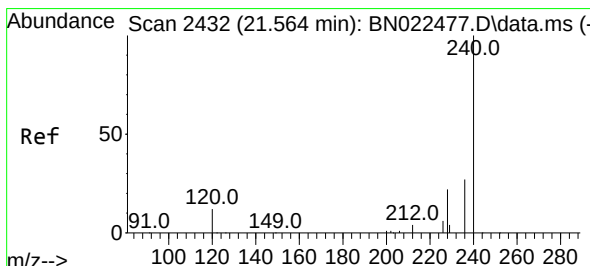
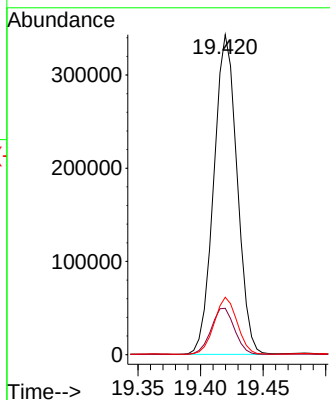
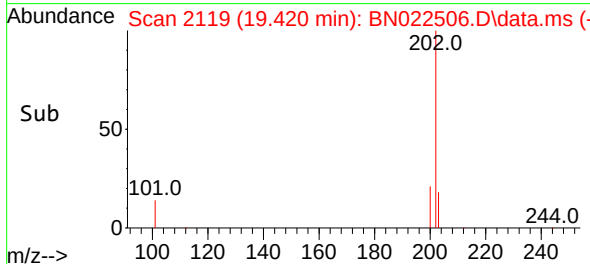
Instrument :
BNA_N
ClientSampleId :
S-6-103122



Tgt Ion:202 Resp: 445728
Ion Ratio Lower Upper
202 100
101 14.5 11.2 16.8
203 17.4 13.6 20.4

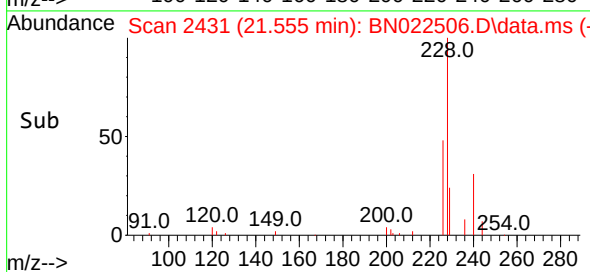
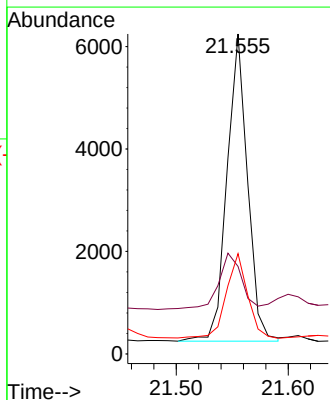
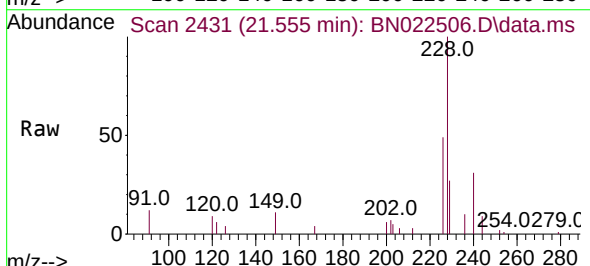
Manual Integrations
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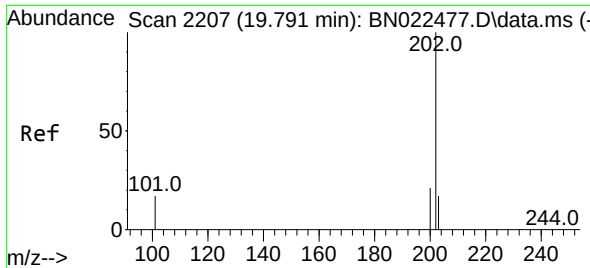
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. -0.009 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

Tgt Ion:240 Resp: 7624
Ion Ratio Lower Upper
240 100
120 27.4 12.4 18.6#
236 31.3 22.7 34.1





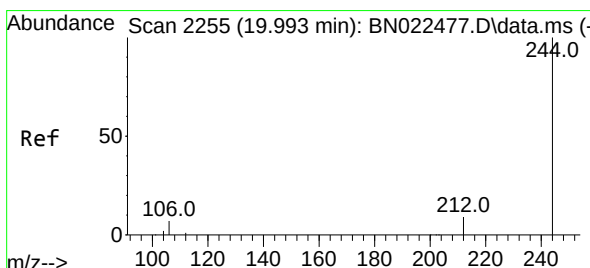
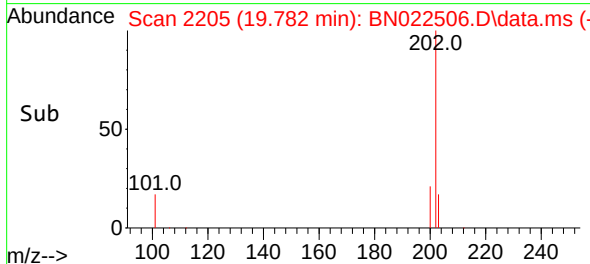
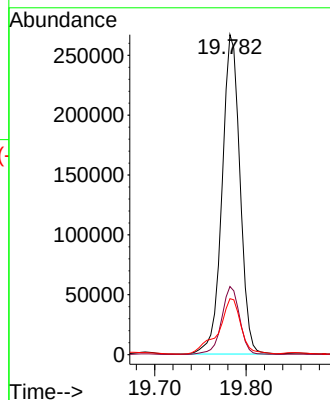
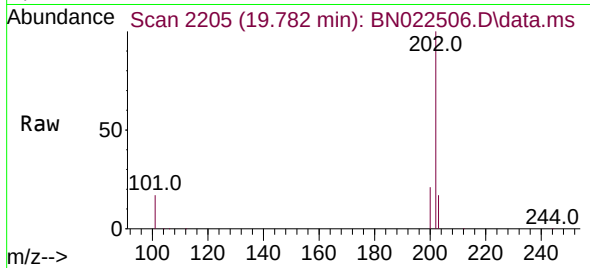
#30
 Pyrene
 Concen: 11.068 ng
 RT: 19.782 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BN022506.D
 Acq: 04 Nov 2022 10:03

Instrument :
 BNA_N
 ClientSampleId :
 S-6-103122

Tgt Ion:202 Resp: 364335
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.0 25.4
 203 21.6 14.3 21.5

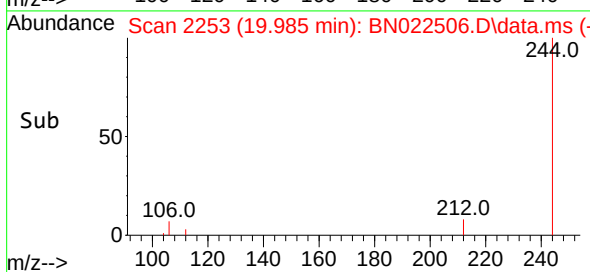
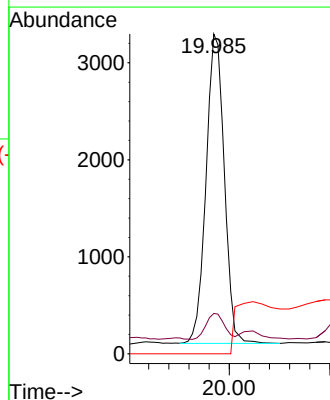
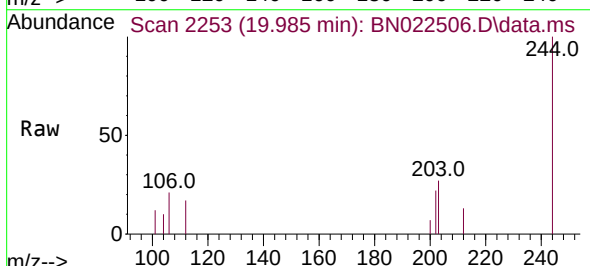
Manual Integrations
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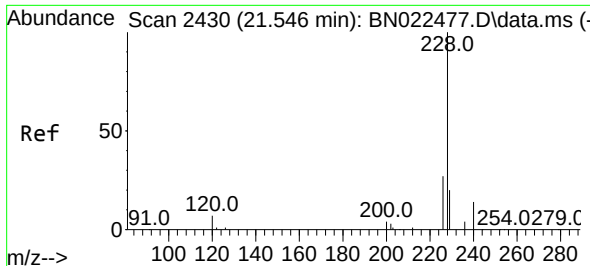
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :mohammad ahmed 11/08/2022



#31
 Terphenyl-d14
 Concen: 0.219 ng
 RT: 19.985 min Scan# 2253
 Delta R.T. -0.008 min
 Lab File: BN022506.D
 Acq: 04 Nov 2022 10:03

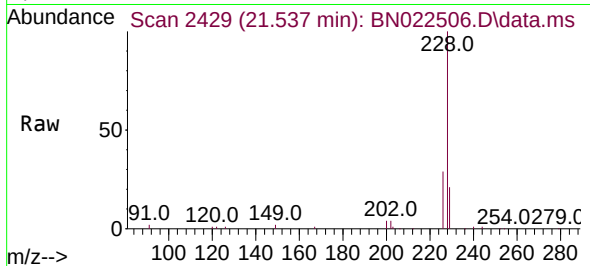
Tgt Ion:244 Resp: 5214
 Ion Ratio Lower Upper
 244 100
 212 12.6 7.8 11.8#
 122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 5.589 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

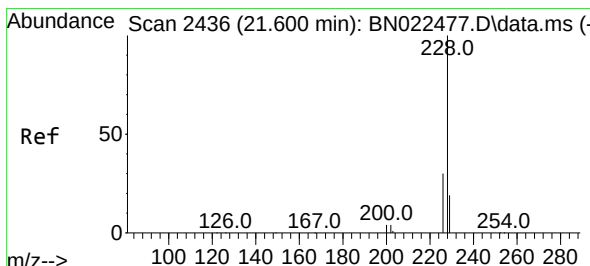
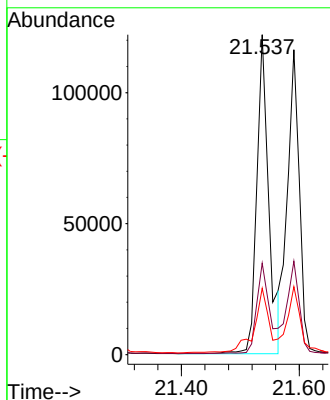
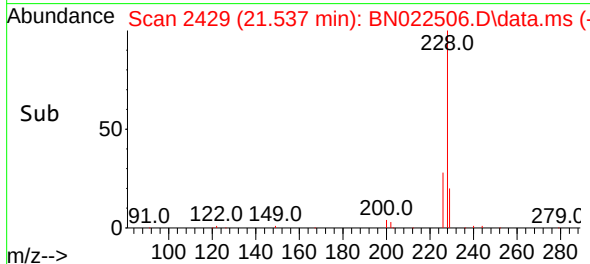
Instrument :
BNA_N
ClientSampleId :
S-6-103122



Tgt Ion:228 Resp: 171354
Ion Ratio Lower Upper
228 100
226 28.6 22.1 33.1
229 20.7 16.4 24.6

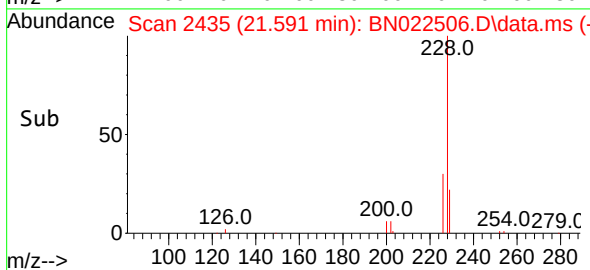
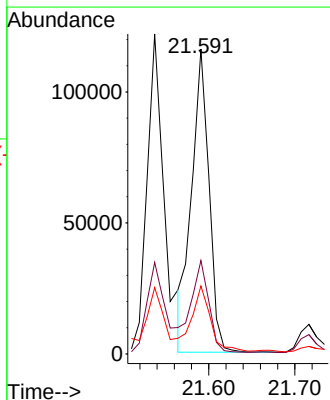
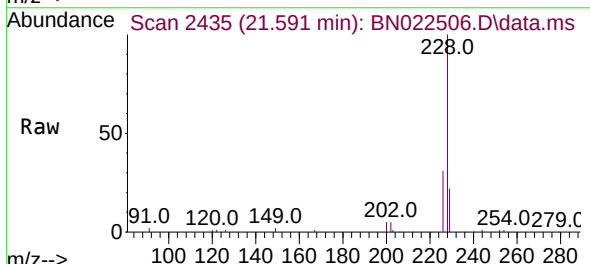
Manual Integrations
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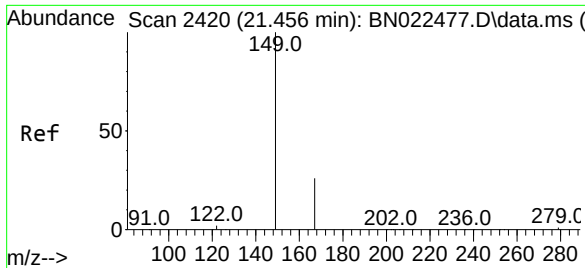
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#33
Chrysene
Concen: 5.357 ng
RT: 21.591 min Scan# 2435
Delta R.T. -0.009 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

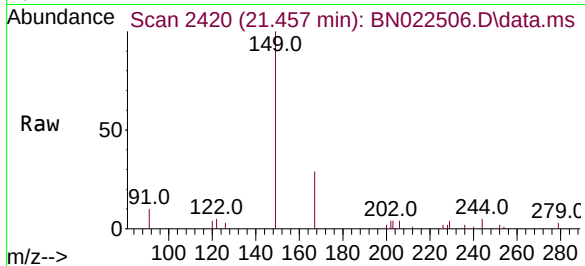
Tgt Ion:228 Resp: 162667
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 22.3 15.9 23.9





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.952 ng
 RT: 21.457 min Scan# 2420
 Delta R.T. 0.000 min
 Lab File: BN022506.D
 Acq: 04 Nov 2022 10:03

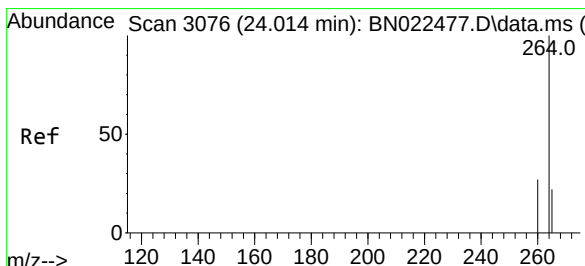
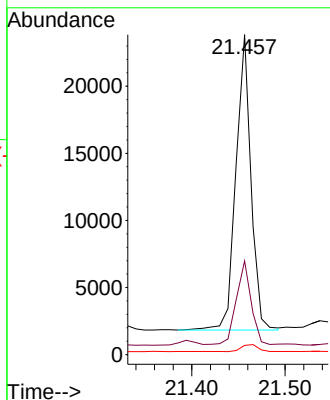
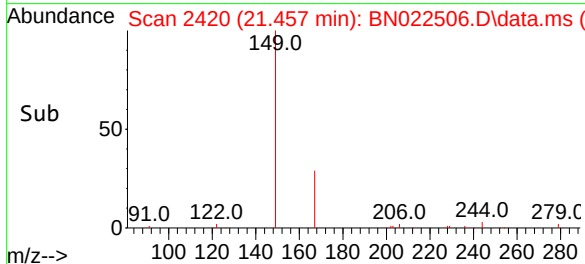
Instrument :
 BNA_N
 ClientSampleId :
 S-6-103122



Tgt Ion:149 Resp: 24585
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.3 31.9
 279 2.6 2.7 4.1

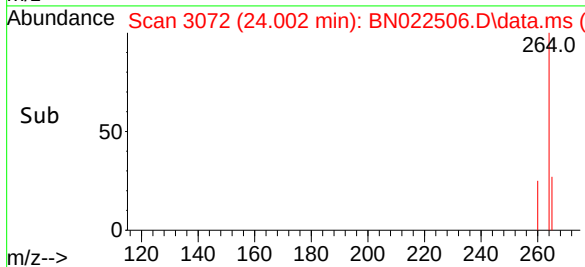
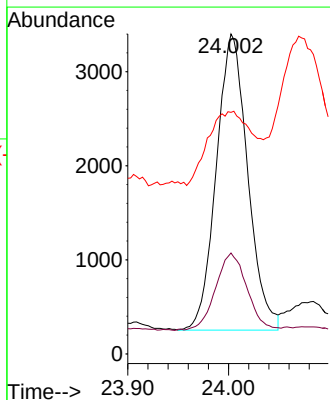
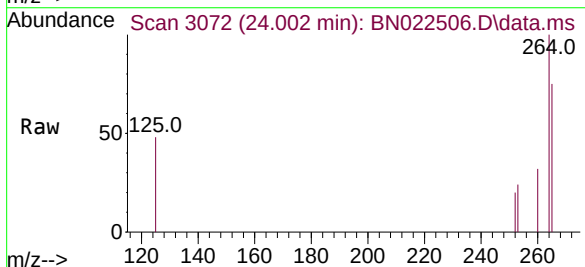
Manual Integrations
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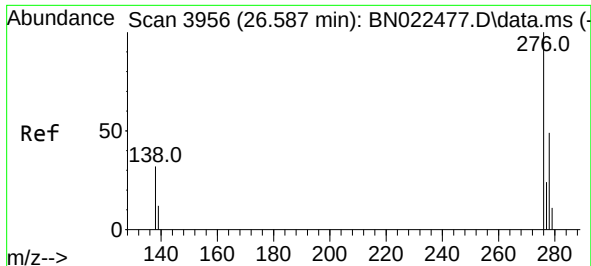
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :mohammad ahmed 11/08/2022



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.002 min Scan# 3072
 Delta R.T. -0.012 min
 Lab File: BN022506.D
 Acq: 04 Nov 2022 10:03

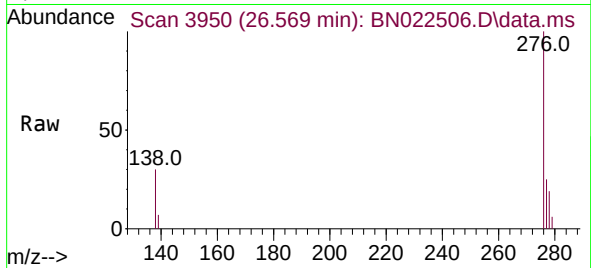
Tgt Ion:264 Resp: 6816
 Ion Ratio Lower Upper
 264 100
 260 31.5 22.4 33.6
 265 75.5 44.4 66.6





#36
Indeno(1,2,3-cd)pyrene
Concen: 3.453 ng
RT: 26.569 min Scan# 3956
Delta R.T. -0.017 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

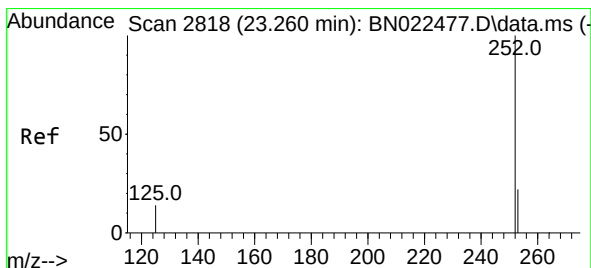
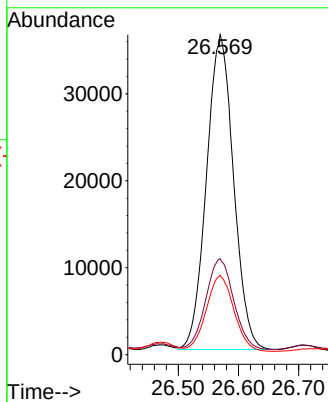
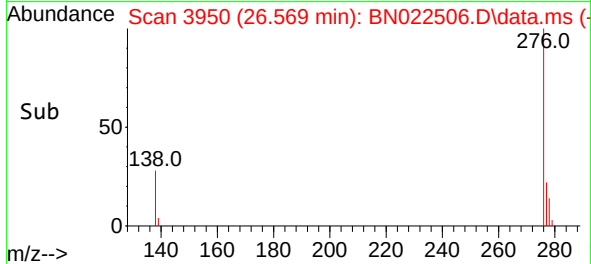
Instrument :
BNA_N
ClientSampleId :
S-6-103122



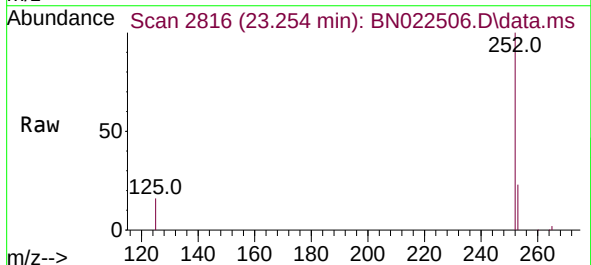
Tgt Ion:276 Resp: 113330
Ion Ratio Lower Upper
276 100
138 29.7 27.5 41.3
277 24.6 19.8 29.6

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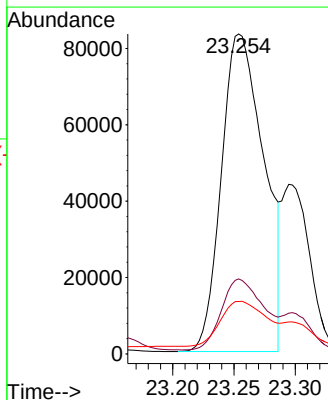
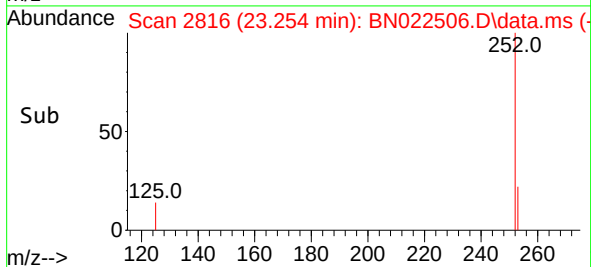
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

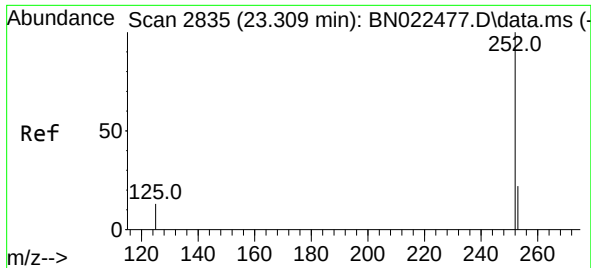


#37
Benzo(b)fluoranthene
Concen: 7.497 ng
RT: 23.254 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03



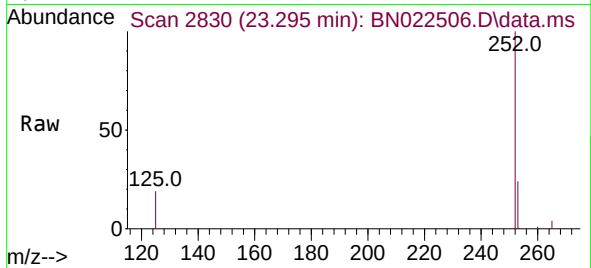
Tgt Ion:252 Resp: 200923
Ion Ratio Lower Upper
252 100
253 23.4 21.1 31.7
125 16.4 16.8 25.2#





#38
Benzo(k)fluoranthene
Concen: 2.597 ng m
RT: 23.295 min Scan# 2835
Delta R.T. -0.015 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

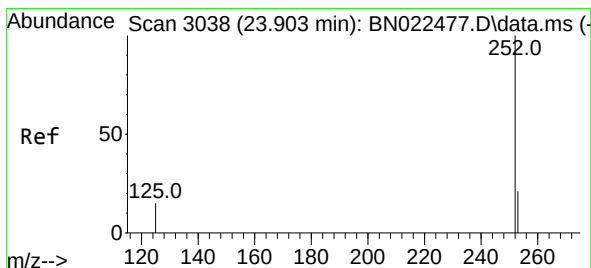
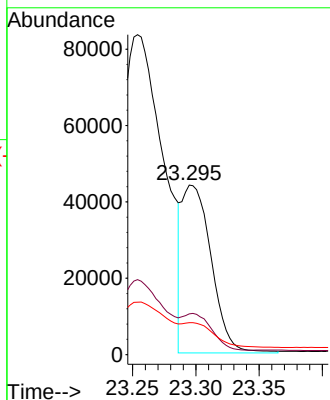
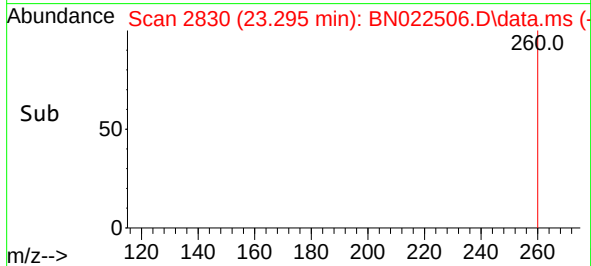
Instrument :
BNA_N
ClientSampleId :
S-6-103122



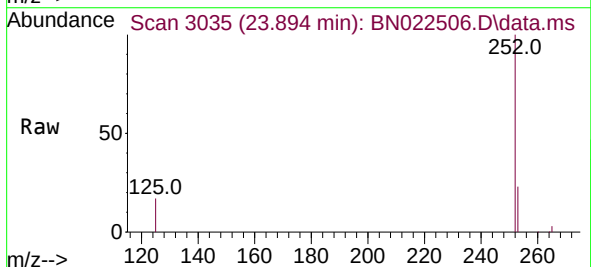
Tgt Ion:252 Resp: 70970
Ion Ratio Lower Upper
252 100
253 24.1 20.9 31.3
125 18.8 16.1 24.1

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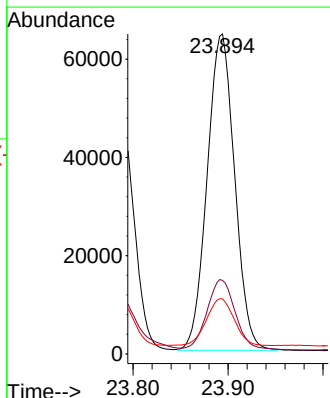
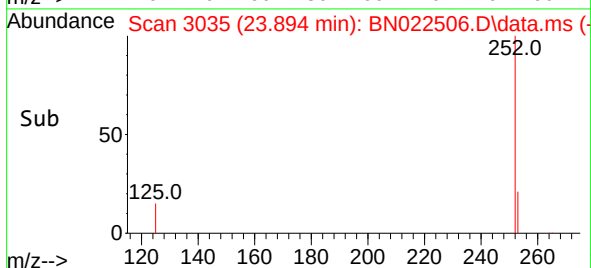
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

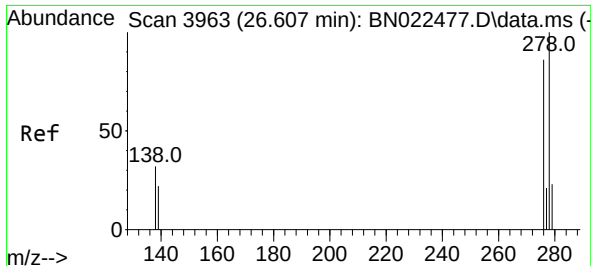


#39
Benzo(a)pyrene
Concen: 5.643 ng m
RT: 23.894 min Scan# 3035
Delta R.T. -0.009 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03



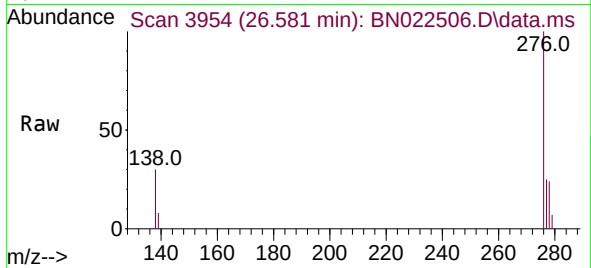
Tgt Ion:252 Resp: 129537
Ion Ratio Lower Upper
252 100
253 23.0 22.0 33.0
125 17.2 19.8 29.8#





#40
Dibenzo(a,h)anthracene
Concen: 1.059 ng
RT: 26.581 min Scan# 3963
Delta R.T. -0.026 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

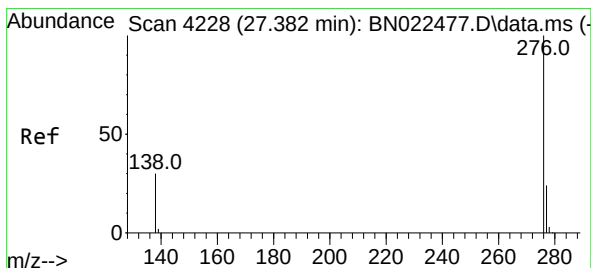
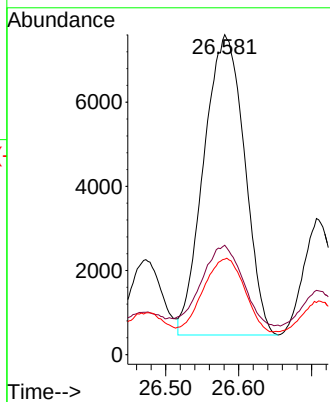
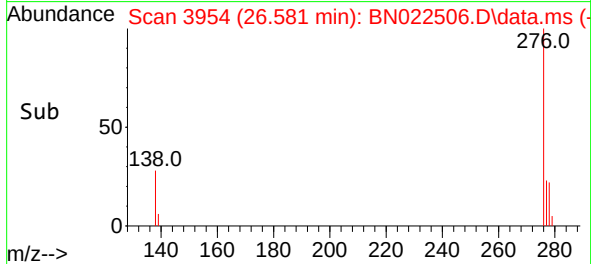
Instrument :
BNA_N
ClientSampleId :
S-6-103122



Tgt Ion: 278 Resp: 27636
Ion Ratio Lower Upper
278 100
139 34.2 21.8 32.6
279 29.8 21.5 32.3

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 4.067 ng
RT: 27.365 min Scan# 4222
Delta R.T. -0.017 min
Lab File: BN022506.D
Acq: 04 Nov 2022 10:03

Tgt Ion: 276 Resp: 112791
Ion Ratio Lower Upper
276 100
277 24.3 21.0 31.4
138 30.7 26.0 39.0

