

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
 Data File : BN022508.D
 Acq On : 04 Nov 2022 11:18
 Operator : CG/JU
 Sample : N5395-13
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122

Manual Integrations
 APPROVED

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

Quant Time: Nov 04 13:57:36 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	7.920	152	2711	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	12072	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	6008	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	9232	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	6299	0.400	ng	# 0.00
35) Perylene-d12	24.005	264	6647	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.450	112	3187	0.416	ng	0.00
5) Phenol-d6	7.083	99	3578	0.371	ng	0.00
8) Nitrobenzene-d5	9.097	82	2805	0.257	ng	-0.01
11) 2-Methylnaphthalene-d10	12.338	152	5150	0.254	ng	-0.01
14) 2,4,6-Tribromophenol	16.096	330	792	0.251	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	7489	0.299	ng	-0.01
27) Fluoranthene-d10	19.390	212	5494	0.218	ng	0.00
31) Terphenyl-d14	19.989	244	4707	0.240	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.335	93	239	0.028	ng	# 70
9) Naphthalene	10.795	128	29499	0.807	ng	98
16) Acenaphthylene	14.311	152	18526	0.608	ng	99
17) Acenaphthene	14.653	154	15344	0.781	ng	99
18) Fluorene	15.647	166	19824	0.720	ng	# 98
25) Phenanthrene	17.387	178	246928	8.002	ng	100
26) Anthracene	17.486	178	62034	2.285	ng	# 96
28) Fluoranthene	19.420	202	441571	13.279	ng	99
30) Pyrene	19.782	202	372482	13.696	ng	# 95
32) Benzo(a)anthracene	21.537	228	196082	7.741	ng	98
33) Chrysene	21.591	228	180998	7.215	ng	97
34) Bis(2-ethylhexyl)phtha...	21.456	149	18911	0.886	ng	98
36) Indeno(1,2,3-cd)pyrene	26.572	276	133635	4.175	ng	95
37) Benzo(b)fluoranthene	23.257	252	262555	10.046	ng	94
38) Benzo(k)fluoranthene	23.300	252	90080m	3.380	ng	
39) Benzo(a)pyrene	23.894	252	179585m	8.022	ng	
40) Dibenzo(a,h)anthracene	26.584	278	32619	1.281	ng	# 85
41) Benzo(g,h,i)perylene	27.370	276	131805	4.873	ng	98

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

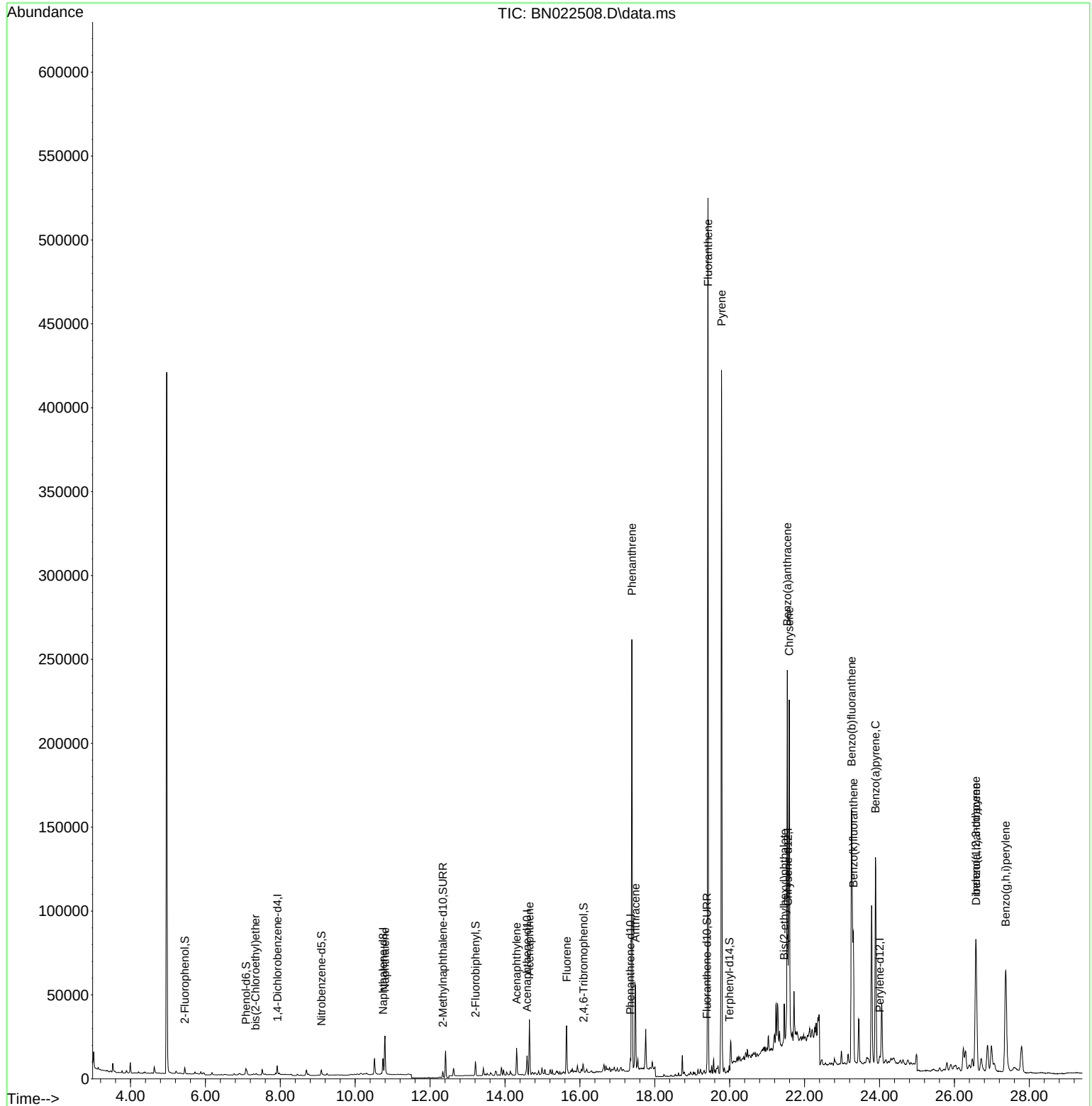
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
Data File : BN022508.D
Acq On : 04 Nov 2022 11:18
Operator : CG/JU
Sample : N5395-13
Misc :
ALS Vial : 34 Sample Multiplier: 1

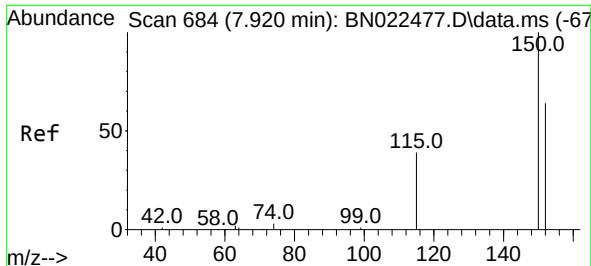
Instrument :
BNA_N
ClientSampleId :
S-13-103122

Quant Time: Nov 04 13:57:36 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

Manual Integrations
APPROVED

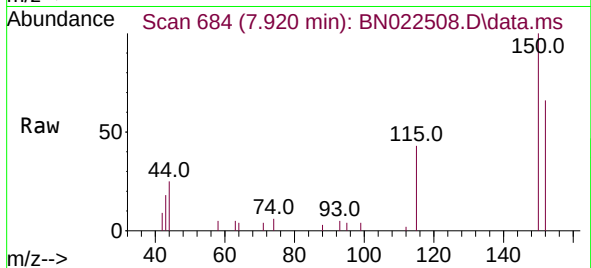
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.920 min Scan# 684
Delta R.T. 0.000 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

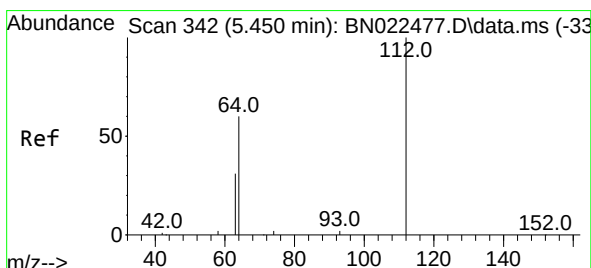
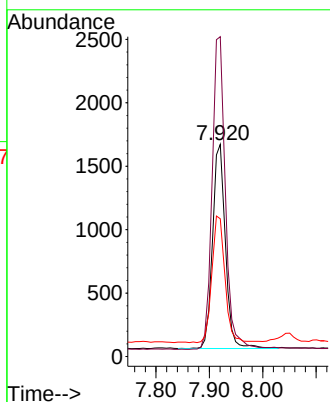
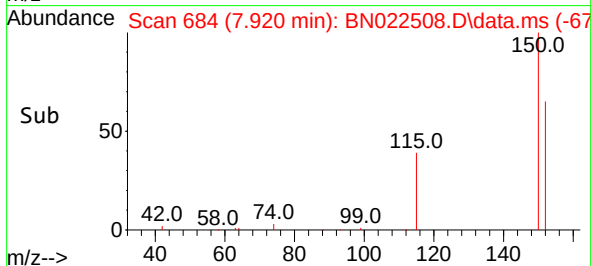
Instrument :
BNA_N
ClientSampleId :
S-13-103122



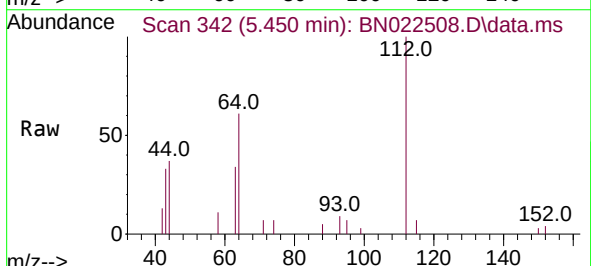
Tgt Ion:152 Resp: 2711
Ion Ratio Lower Upper
152 100
150 150.7 123.4 185.2
115 64.9 54.9 82.3

Manual Integrations
APPROVED

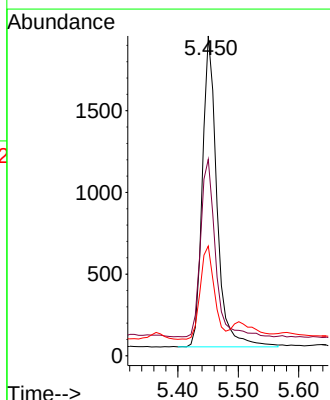
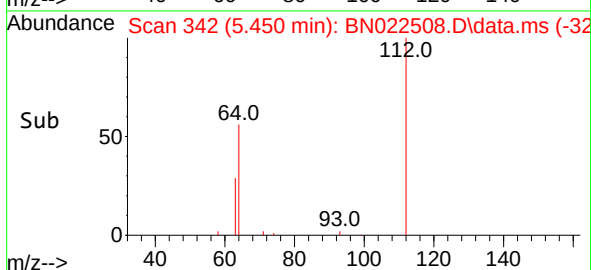
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

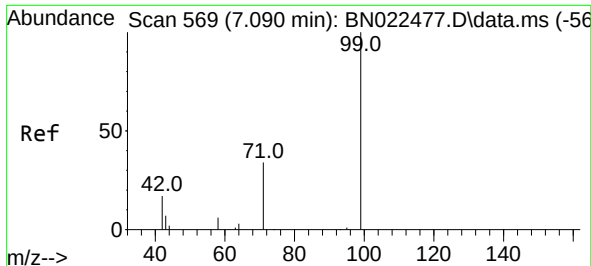


#4
2-Fluorophenol
Concen: 0.416 ng
RT: 5.450 min Scan# 342
Delta R.T. -0.000 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18



Tgt Ion:112 Resp: 3187
Ion Ratio Lower Upper
112 100
64 58.2 47.1 70.7
63 29.1 24.6 36.8





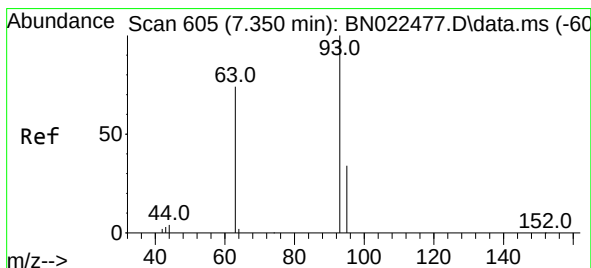
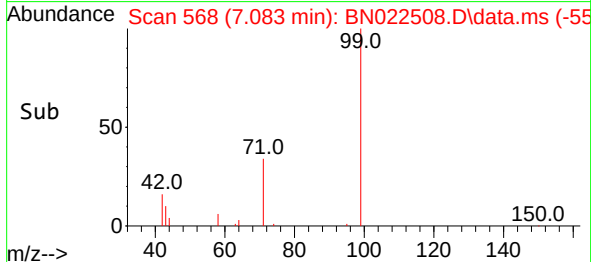
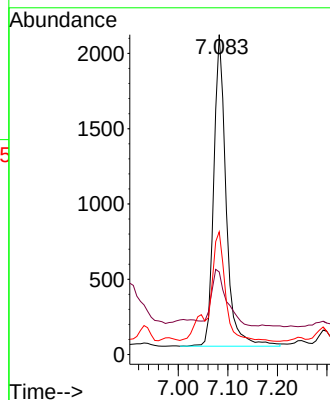
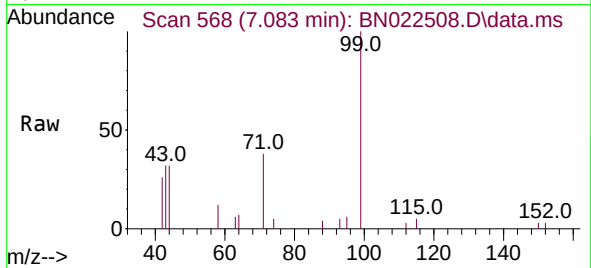
#5
Phenol-d6
Concen: 0.371 ng
RT: 7.083 min Scan# 569
Delta R.T. -0.007 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

Instrument :
BNA_N
ClientSampleId :
S-13-103122

Tgt Ion: 99 Resp: 3578
Ion Ratio Lower Upper
99 100
42 22.4 14.7 22.1#
71 45.4 27.0 40.6#

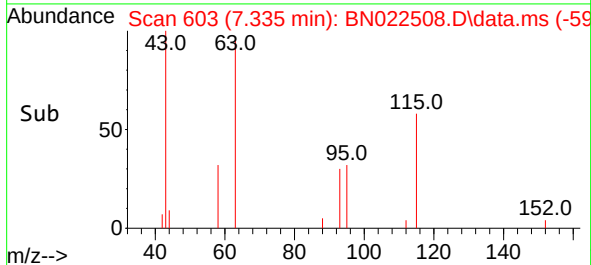
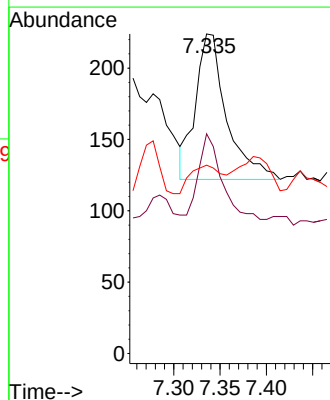
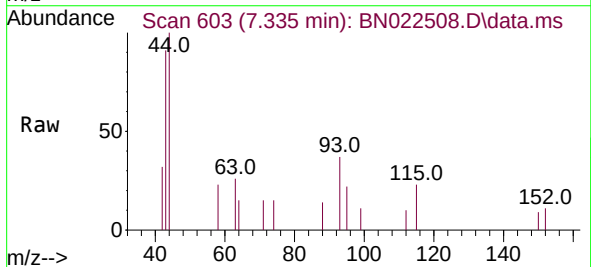
Manual Integrations
APPROVED

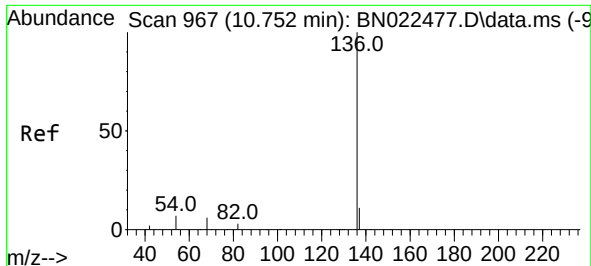
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#6
bis(2-Chloroethyl)ether
Concen: 0.028 ng
RT: 7.335 min Scan# 603
Delta R.T. -0.014 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

Tgt Ion: 93 Resp: 239
Ion Ratio Lower Upper
93 100
63 46.0 61.2 91.8#
95 22.6 25.7 38.5#





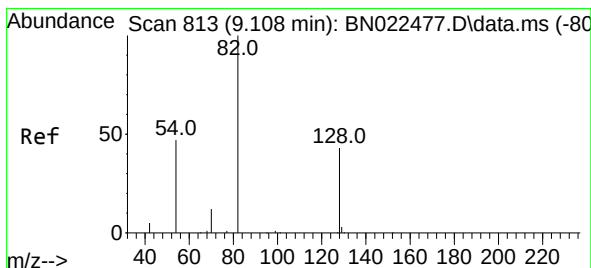
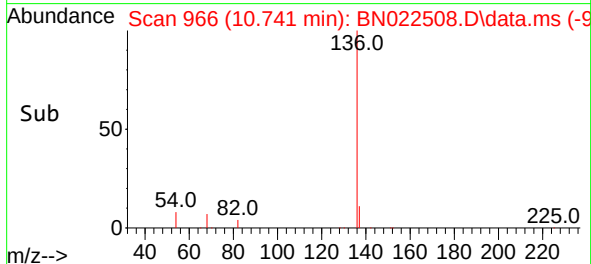
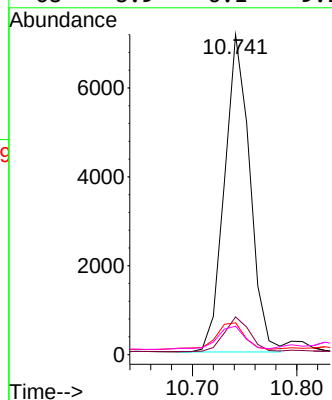
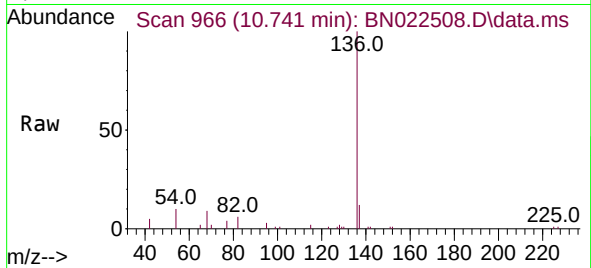
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 90
Delta R.T. -0.011 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

Instrument :
BNA_N
ClientSampleId :
S-13-103122

Tgt Ion:	136	Resp:	1207
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.5	14.3
54	9.9	7.1	10.7
68	8.9	6.1	9.1

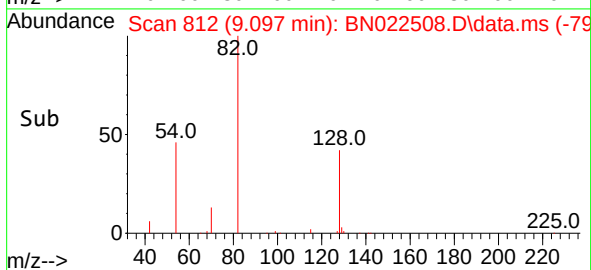
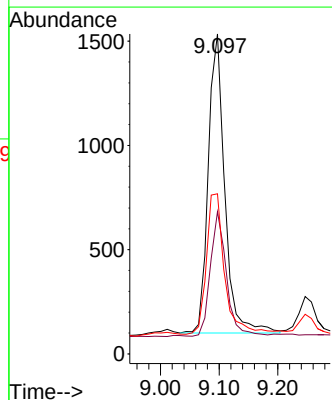
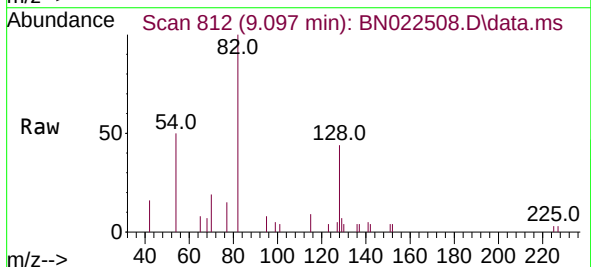
Manual Integrations
APPROVED

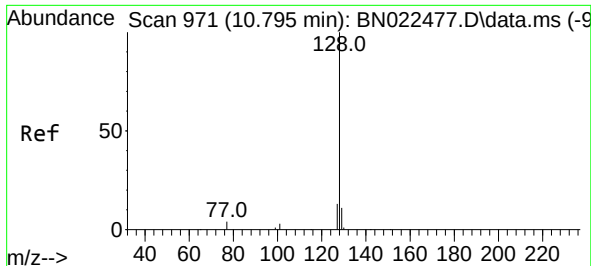
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#8
Nitrobenzene-d5
Concen: 0.257 ng
RT: 9.097 min Scan# 812
Delta R.T. -0.011 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

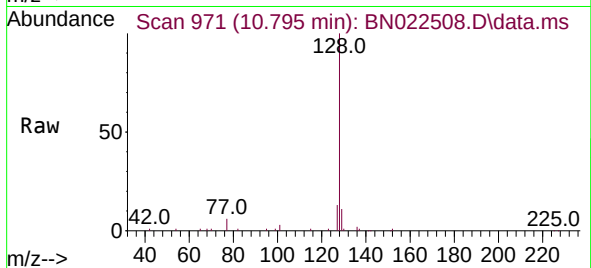
Tgt Ion:	82	Resp:	2805
Ion Ratio	Lower	Upper	
82	100		
128	44.4	37.3	55.9
54	50.0	40.0	60.0





#9
Naphthalene
Concen: 0.807 ng
RT: 10.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

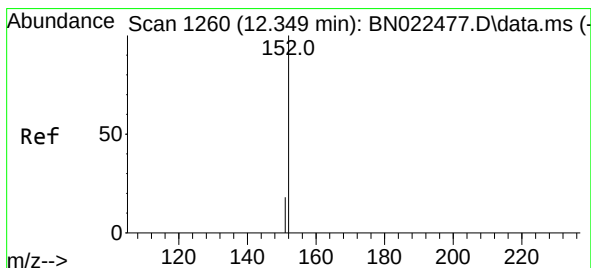
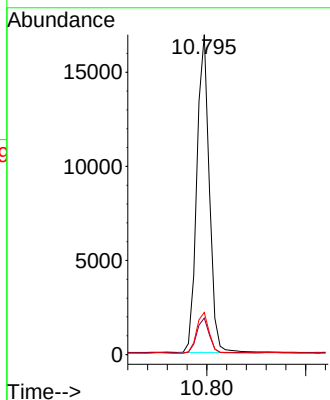
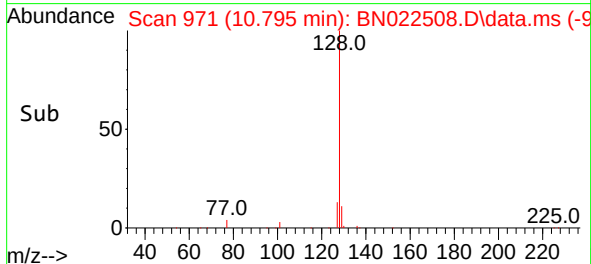
Instrument :
BNA_N
ClientSampleId :
S-13-103122



Tgt Ion:128 Resp: 29499
Ion Ratio Lower Upper
128 100
129 11.4 9.8 14.6
127 13.2 11.4 17.2

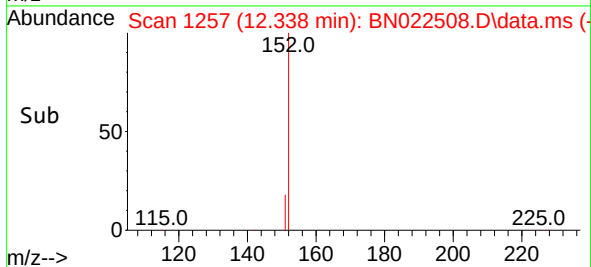
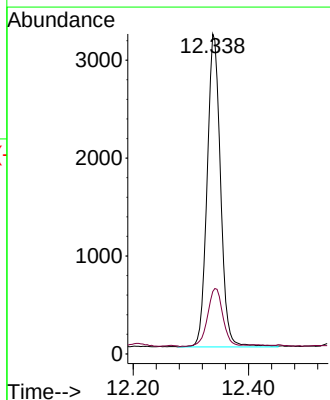
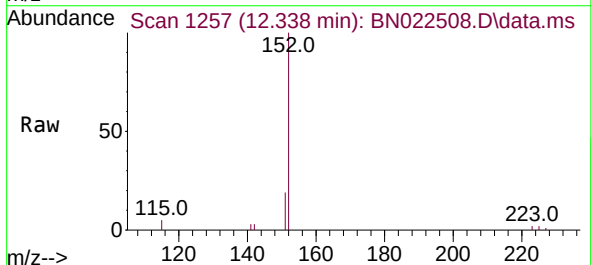
Manual Integrations
APPROVED

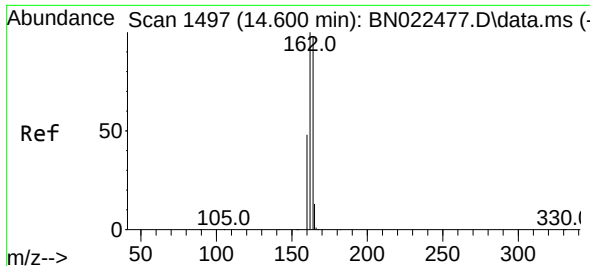
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#11
2-Methylnaphthalene-d10
Concen: 0.254 ng
RT: 12.338 min Scan# 1257
Delta R.T. -0.011 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

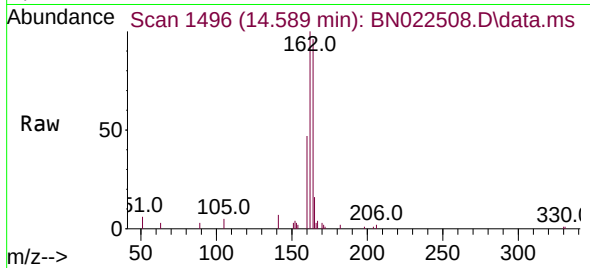
Tgt Ion:152 Resp: 5150
Ion Ratio Lower Upper
152 100
151 21.0 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

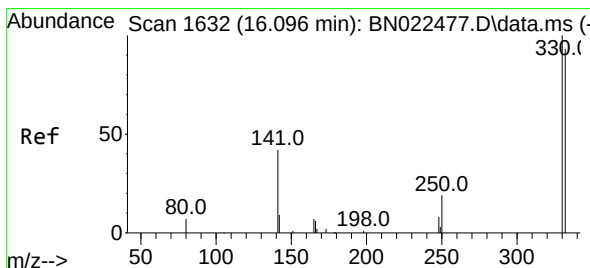
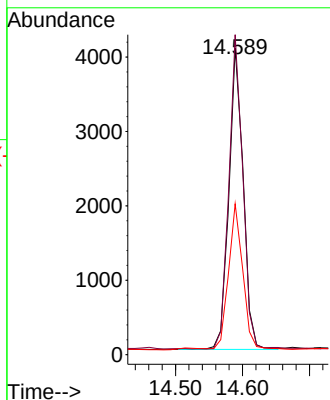
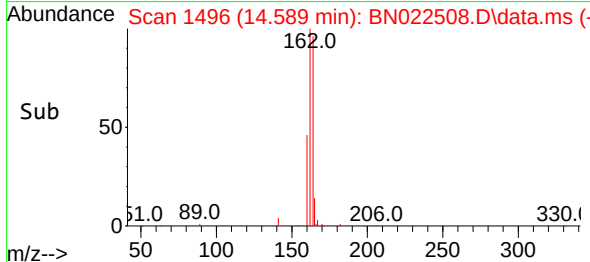
Instrument :
BNA_N
ClientSampleId :
S-13-103122



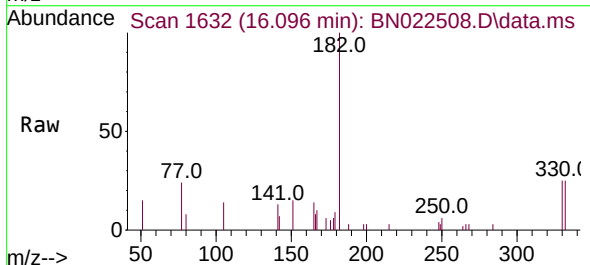
Tgt Ion:164 Resp: 6008
Ion Ratio Lower Upper
164 100
162 104.3 82.0 123.0
160 49.2 39.4 59.2

Manual Integrations
APPROVED

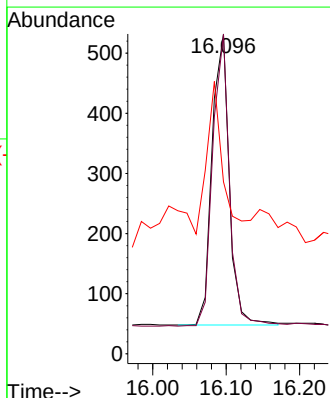
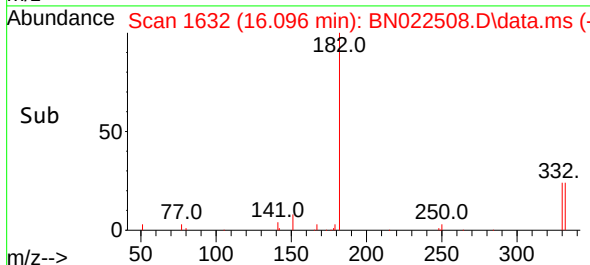
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

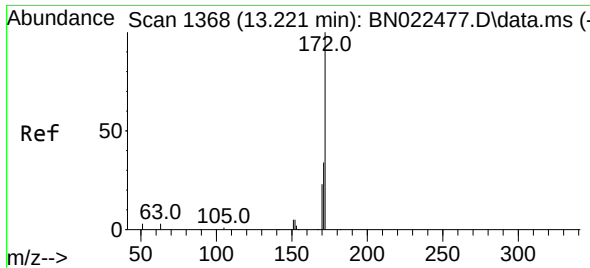


#14
2,4,6-Tribromophenol
Concen: 0.251 ng
RT: 16.096 min Scan# 1632
Delta R.T. -0.000 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18



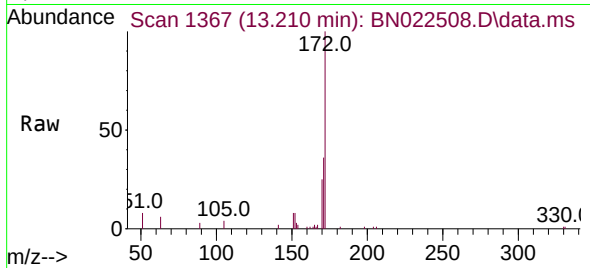
Tgt Ion:330 Resp: 792
Ion Ratio Lower Upper
330 100
332 98.7 77.8 116.8
141 47.0 35.0 52.6





#15
2-Fluorobiphenyl
Concen: 0.299 ng
RT: 13.210 min Scan# 1368
Delta R.T. -0.011 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

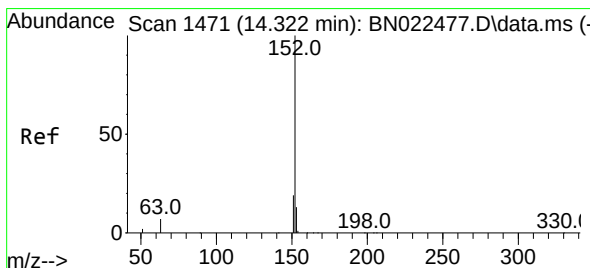
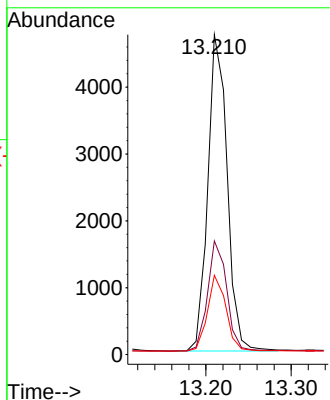
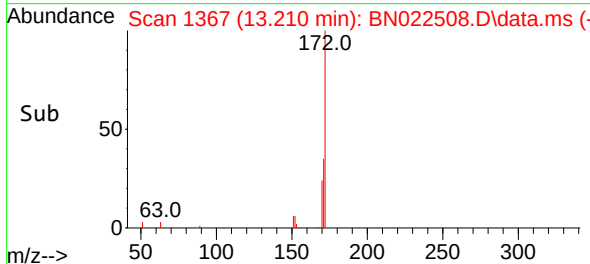
Instrument :
BNA_N
ClientSampleId :
S-13-103122



Tgt Ion:172 Resp: 7489
Ion Ratio Lower Upper
172 100
171 35.5 27.9 41.9
170 24.8 19.2 28.8

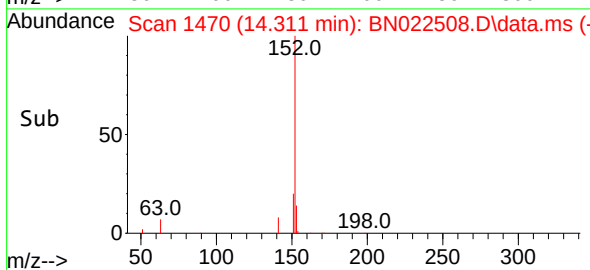
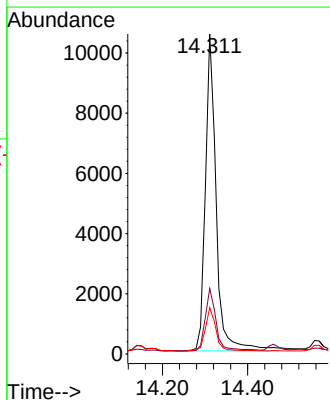
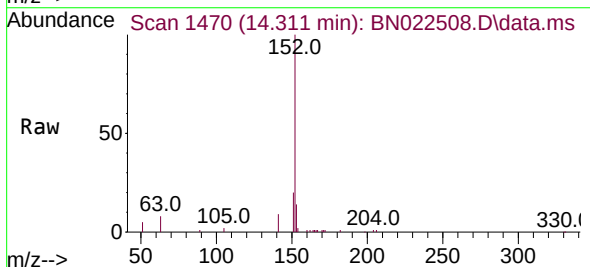
Manual Integrations
APPROVED

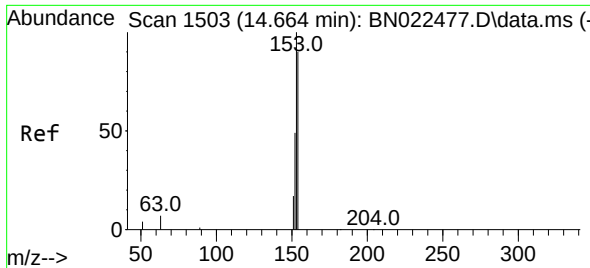
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#16
Acenaphthylene
Concen: 0.608 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.011 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

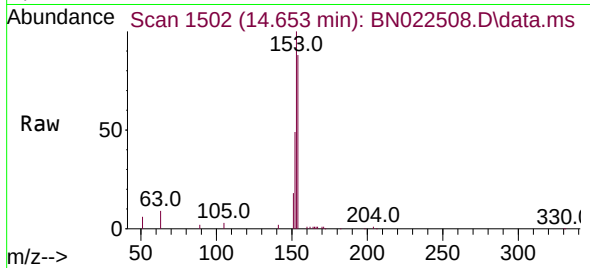
Tgt Ion:152 Resp: 18526
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.6
153 13.8 10.3 15.5





#17
Acenaphthene
Concen: 0.781 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

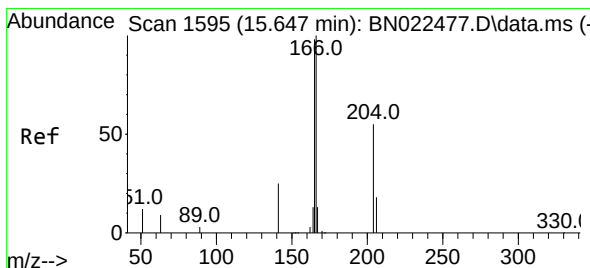
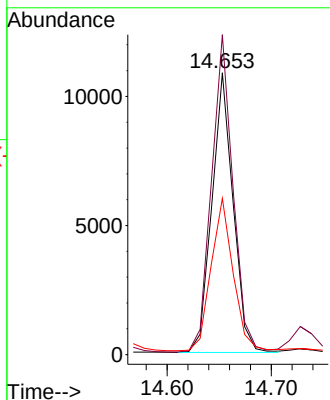
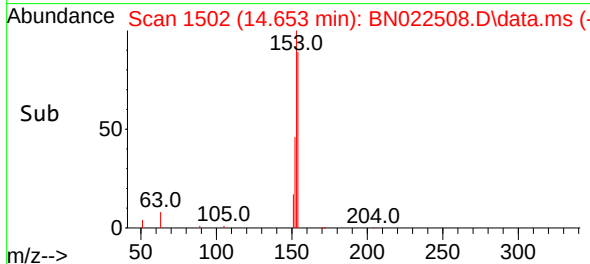
Instrument :
BNA_N
ClientSampleId :
S-13-103122



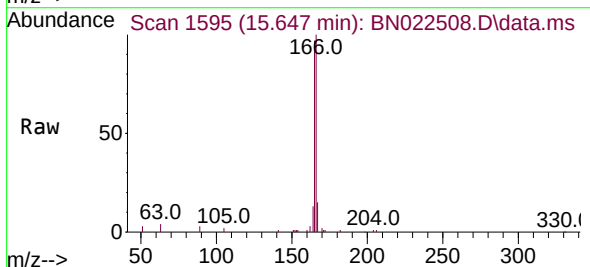
Tgt Ion:154 Resp: 15344
Ion Ratio Lower Upper
154 100
153 114.2 91.8 137.8
152 56.6 45.7 68.5

Manual Integrations
APPROVED

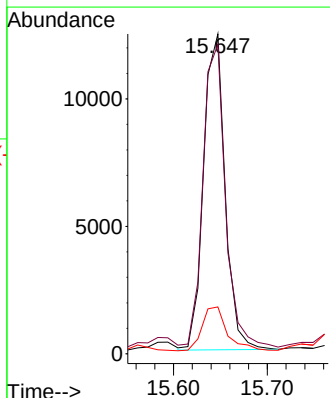
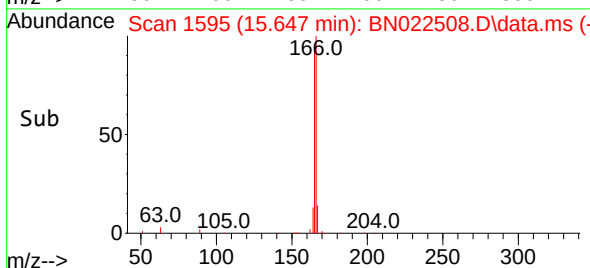
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

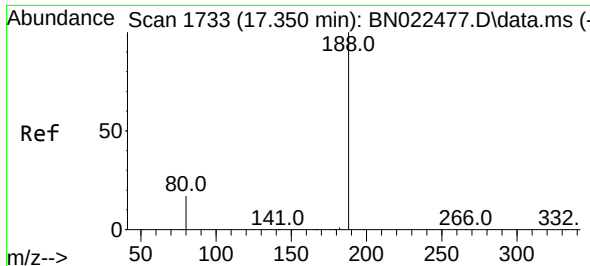


#18
Fluorene
Concen: 0.720 ng
RT: 15.647 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18



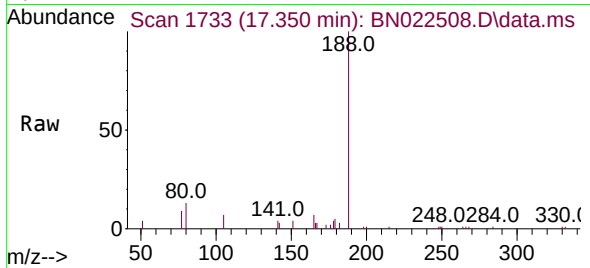
Tgt Ion:166 Resp: 19824
Ion Ratio Lower Upper
166 100
165 99.8 78.7 118.1
167 16.4 10.2 15.2#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

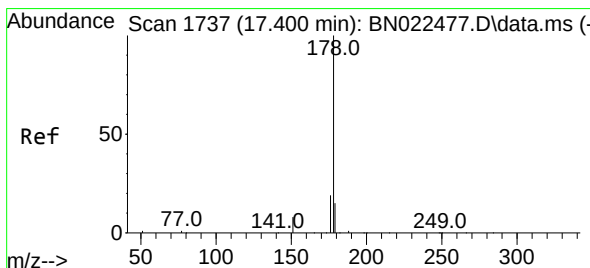
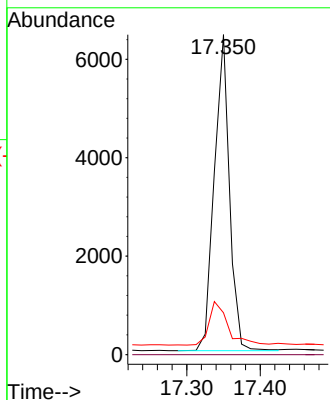
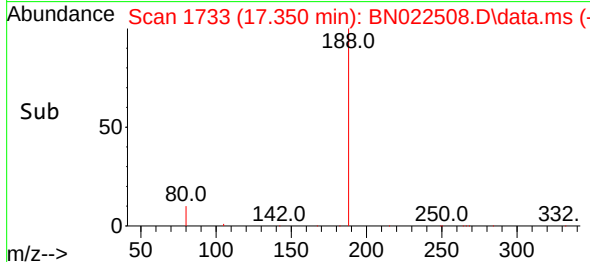
Instrument :
BNA_N
ClientSampleId :
S-13-103122



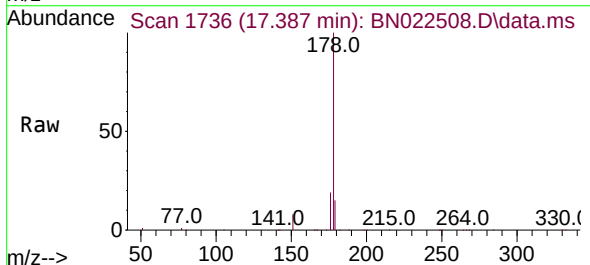
Tgt Ion:188 Resp: 9232
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.1 14.6 21.8

Manual Integrations
APPROVED

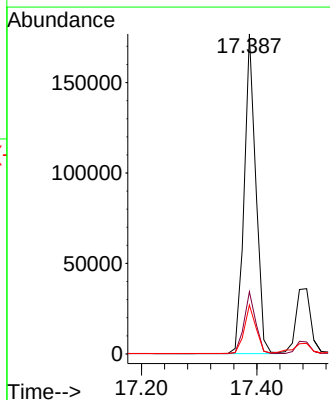
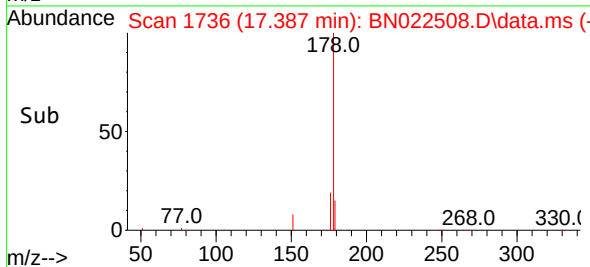
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

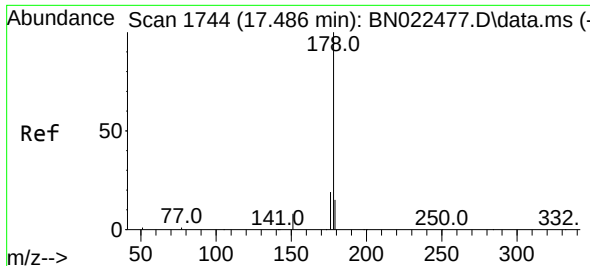


#25
Phenanthrene
Concen: 8.002 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18



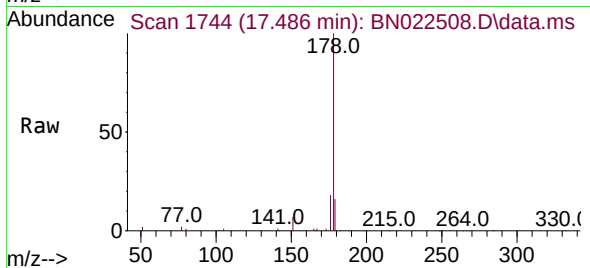
Tgt Ion:178 Resp: 246928
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.4 12.2 18.4





#26
 Anthracene
 Concen: 2.285 ng
 RT: 17.486 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN022508.D
 Acq: 04 Nov 2022 11:18

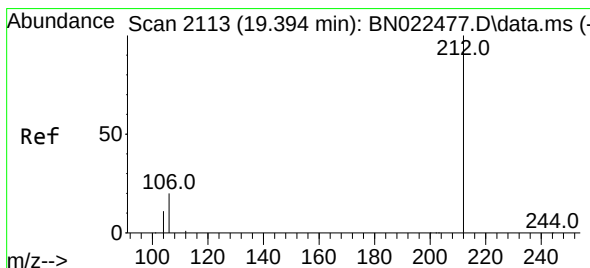
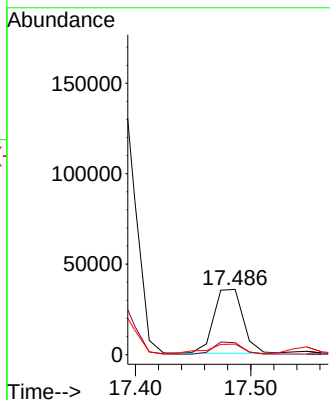
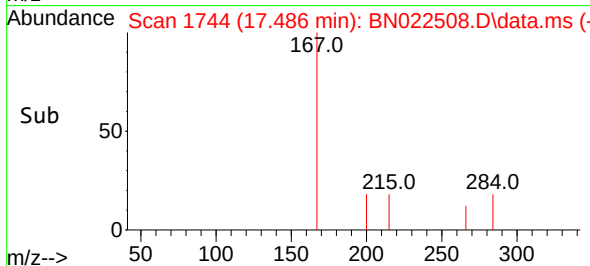
Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122



Tgt Ion:178 Resp: 62034
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.8 22.2
 179 18.3 12.2 18.2

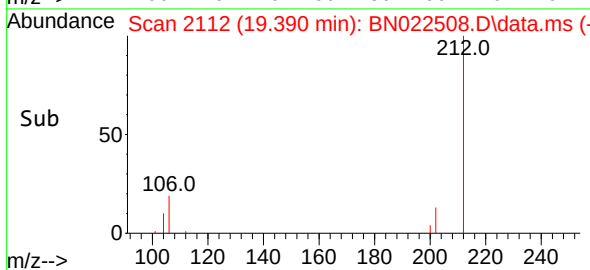
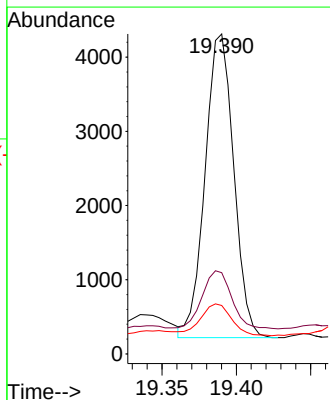
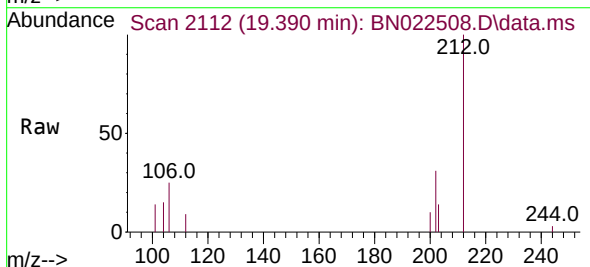
Manual Integrations
 APPROVED

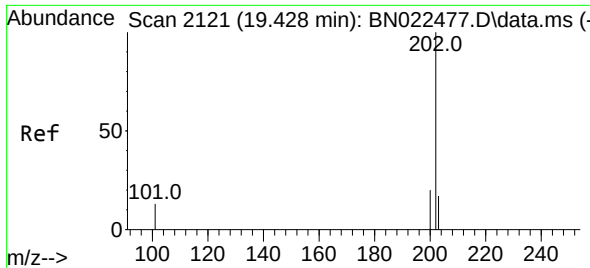
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :mohammad ahmed 11/08/2022



#27
 Fluoranthene-d10
 Concen: 0.218 ng
 RT: 19.390 min Scan# 2112
 Delta R.T. -0.004 min
 Lab File: BN022508.D
 Acq: 04 Nov 2022 11:18

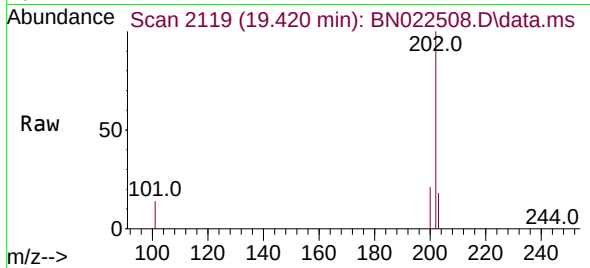
Tgt Ion:212 Resp: 5494
 Ion Ratio Lower Upper
 212 100
 106 19.7 15.2 22.8
 104 11.2 8.6 12.8





#28
Fluoranthene
Concen: 13.279 ng
RT: 19.420 min Scan# 2119
Delta R.T. -0.008 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

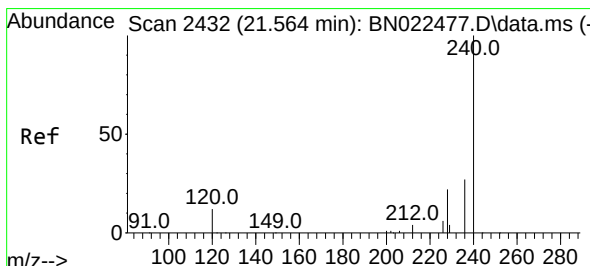
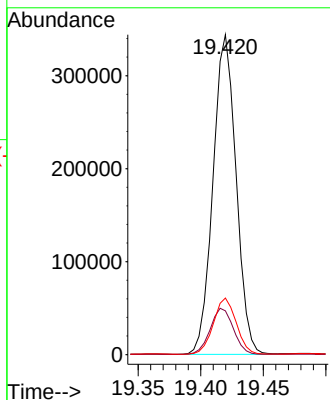
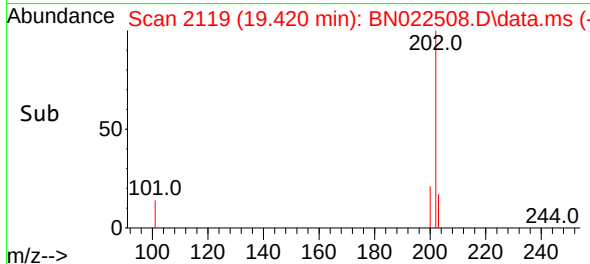
Instrument :
BNA_N
ClientSampleId :
S-13-103122



Tgt Ion:202 Resp: 44157
Ion Ratio Lower Upper
202 100
101 14.5 11.2 16.8
203 17.3 13.6 20.4

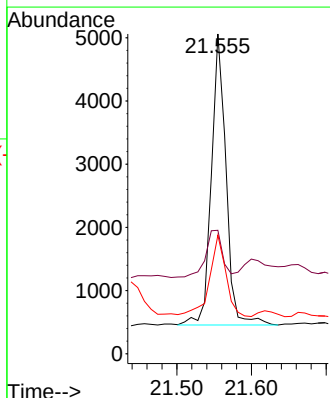
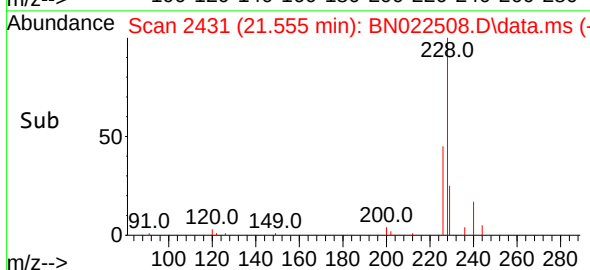
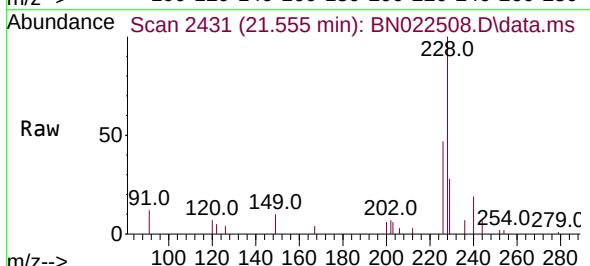
Manual Integrations
APPROVED

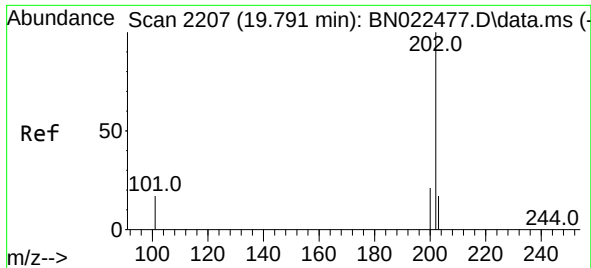
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. -0.009 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

Tgt Ion:240 Resp: 6299
Ion Ratio Lower Upper
240 100
120 38.6 12.4 18.6#
236 37.1 22.7 34.1#





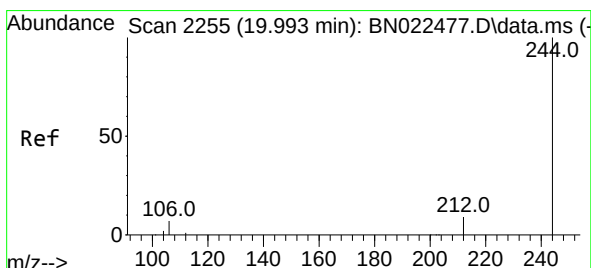
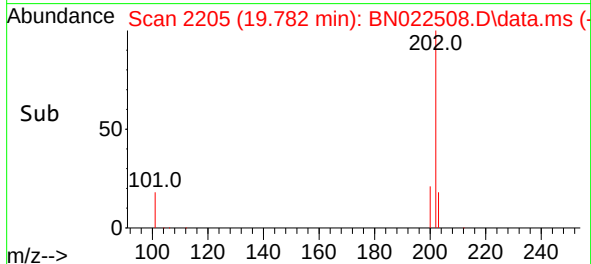
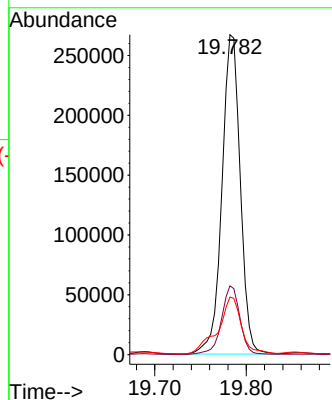
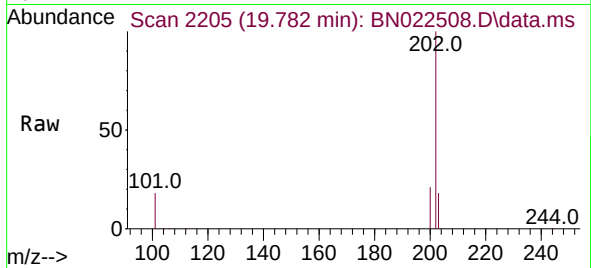
#30
Pyrene
Concen: 13.696 ng
RT: 19.782 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

Instrument :
BNA_N
ClientSampleId :
S-13-103122

Tgt Ion:202 Resp: 372482
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 22.6 14.3 21.5

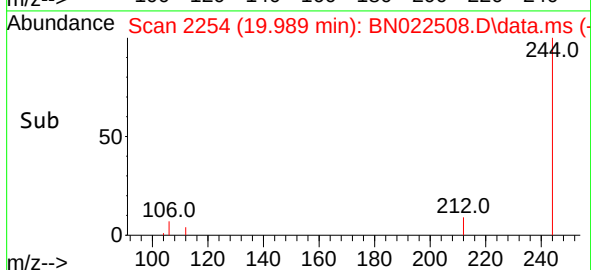
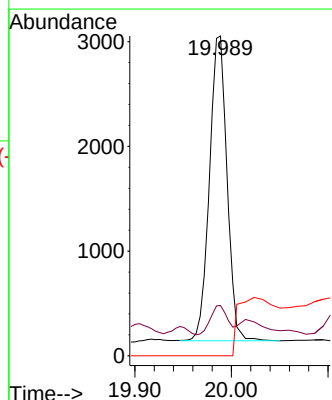
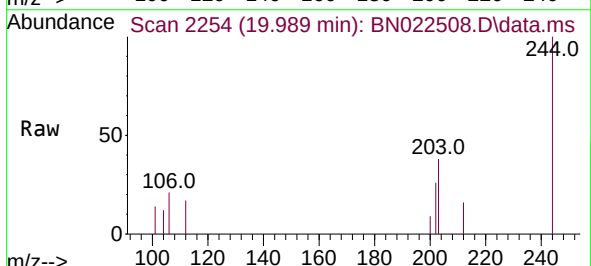
Manual Integrations
APPROVED

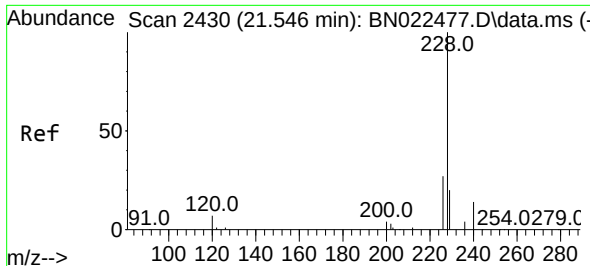
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#31
Terphenyl-d14
Concen: 0.240 ng
RT: 19.989 min Scan# 2254
Delta R.T. -0.004 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

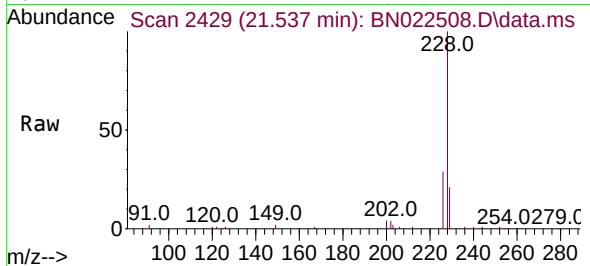
Tgt Ion:244 Resp: 4707
Ion Ratio Lower Upper
244 100
212 15.7 7.8 11.8#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 7.741 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

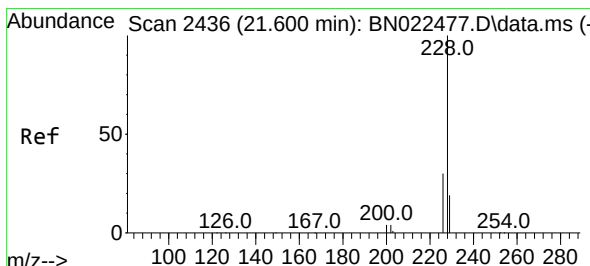
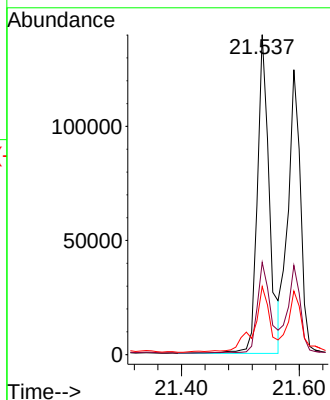
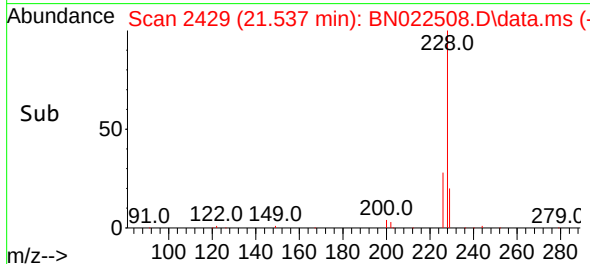
Instrument :
BNA_N
ClientSampleId :
S-13-103122



Tgt Ion:228 Resp: 196082
Ion Ratio Lower Upper
228 100
226 28.8 22.1 33.1
229 21.3 16.4 24.6

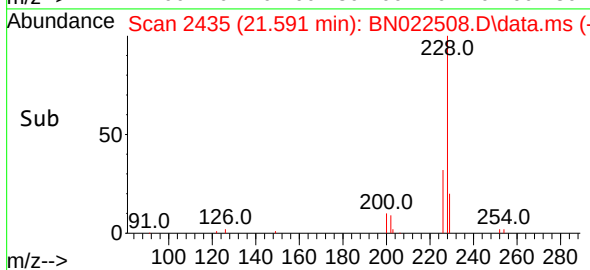
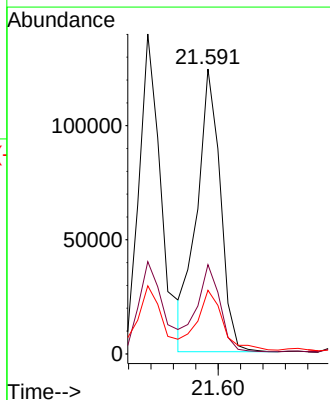
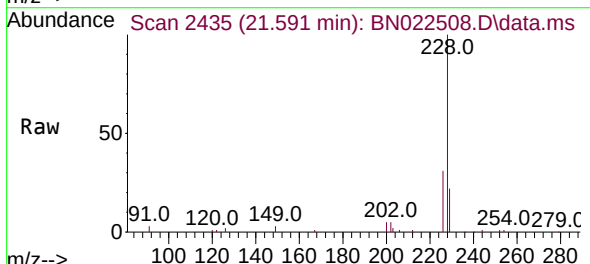
Manual Integrations
APPROVED

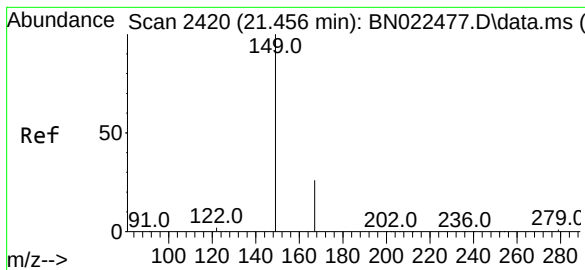
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#33
Chrysene
Concen: 7.215 ng
RT: 21.591 min Scan# 2435
Delta R.T. -0.009 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

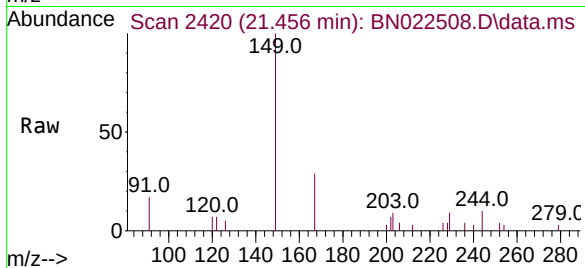
Tgt Ion:228 Resp: 180998
Ion Ratio Lower Upper
228 100
226 31.3 24.1 36.1
229 22.3 15.9 23.9





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.886 ng
 RT: 21.456 min Scan# 2420
 Delta R.T. -0.000 min
 Lab File: BN022508.D
 Acq: 04 Nov 2022 11:18

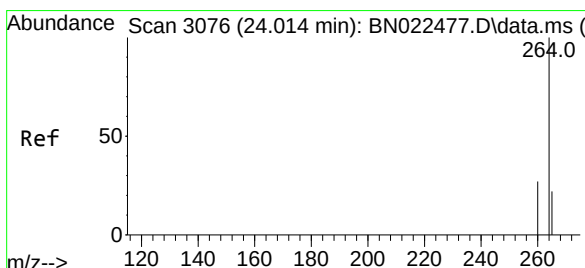
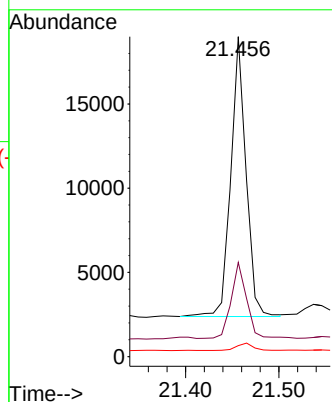
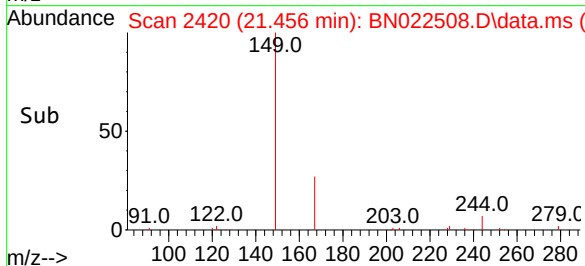
Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122



Tgt Ion:149 Resp: 1891
 Ion Ratio Lower Upper
 149 100
 167 27.5 21.3 31.9
 279 2.8 2.7 4.1

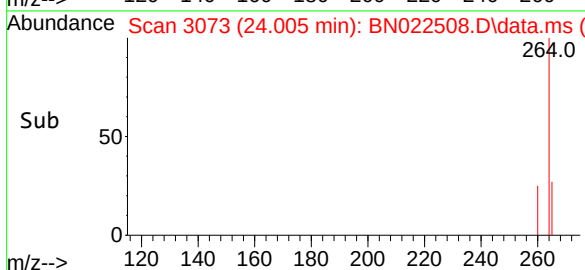
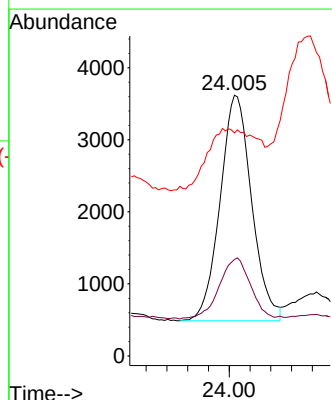
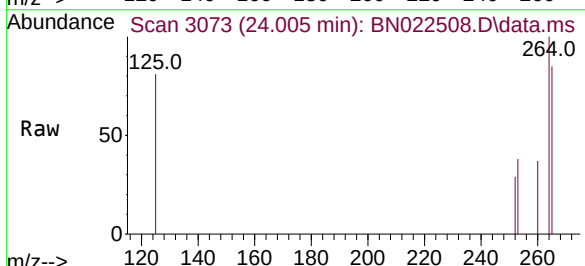
Manual Integrations
 APPROVED

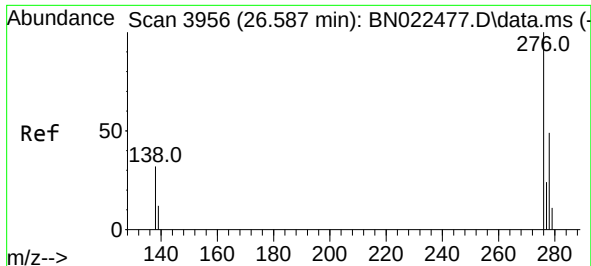
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :mohammad ahmed 11/08/2022



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.005 min Scan# 3073
 Delta R.T. -0.009 min
 Lab File: BN022508.D
 Acq: 04 Nov 2022 11:18

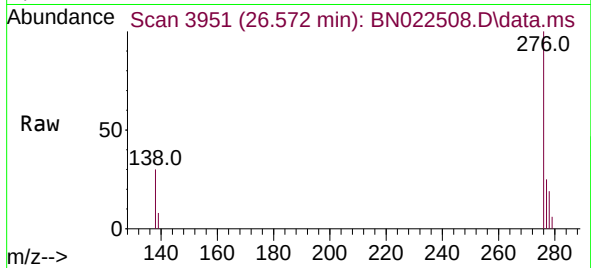
Tgt Ion:264 Resp: 6647
 Ion Ratio Lower Upper
 264 100
 260 37.0 22.4 33.6#
 265 85.5 44.4 66.6#





#36
Indeno(1,2,3-cd)pyrene
Concen: 4.175 ng
RT: 26.572 min Scan# 3956
Delta R.T. -0.015 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

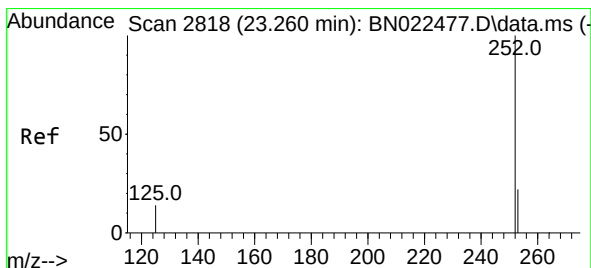
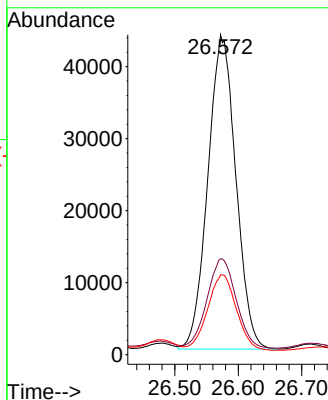
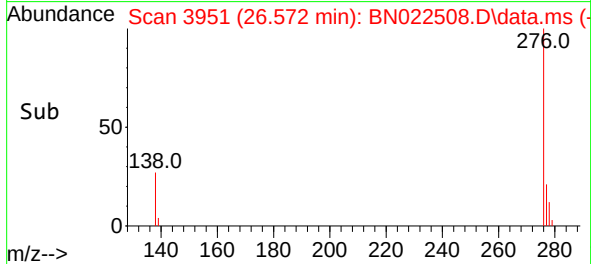
Instrument :
BNA_N
ClientSampleId :
S-13-103122



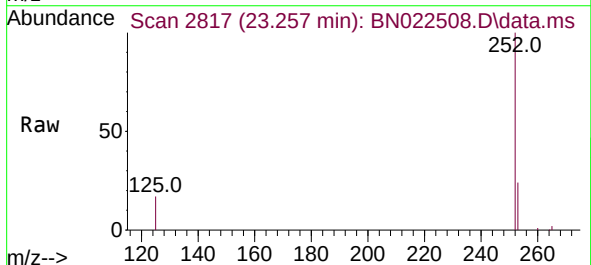
Tgt Ion:276 Resp: 133635
Ion Ratio Lower Upper
276 100
138 29.5 27.5 41.3
277 24.7 19.8 29.6

Manual Integrations
APPROVED

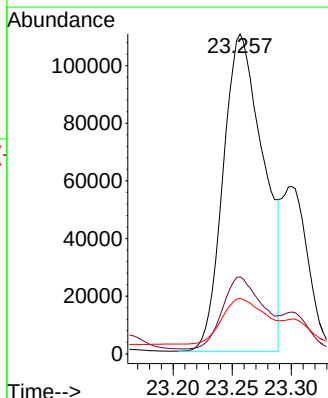
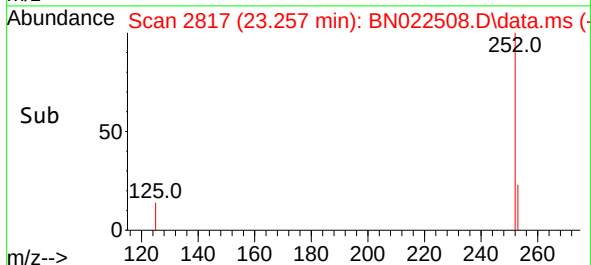
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

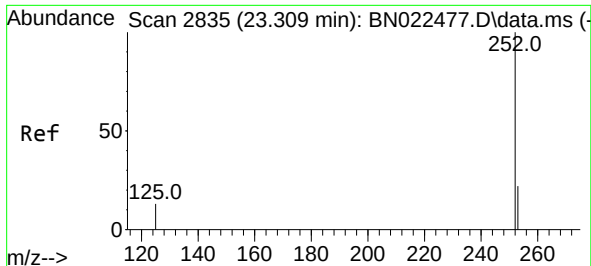


#37
Benzo(b)fluoranthene
Concen: 10.046 ng
RT: 23.257 min Scan# 2817
Delta R.T. -0.003 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18



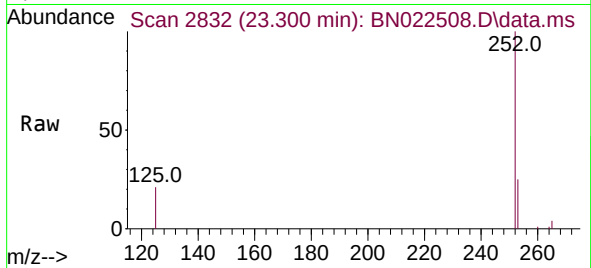
Tgt Ion:252 Resp: 262555
Ion Ratio Lower Upper
252 100
253 24.1 21.1 31.7
125 17.3 16.8 25.2





#38
Benzo(k)fluoranthene
Concen: 3.380 ng m
RT: 23.300 min Scan# 2835
Delta R.T. -0.009 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

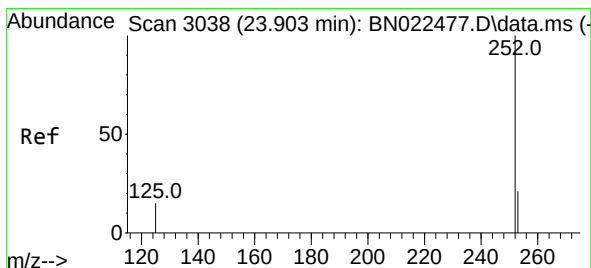
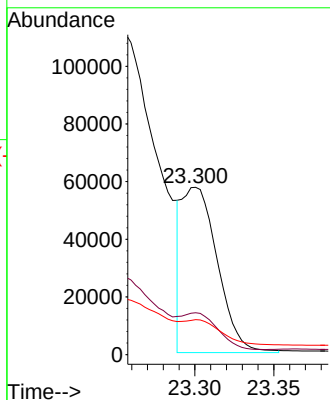
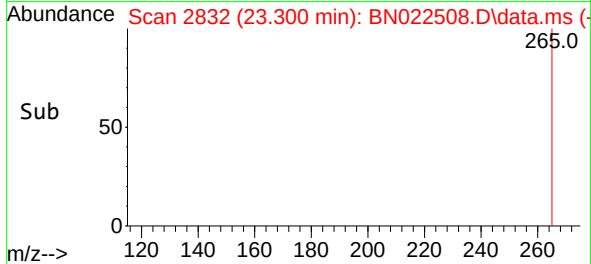
Instrument :
BNA_N
ClientSampleId :
S-13-103122



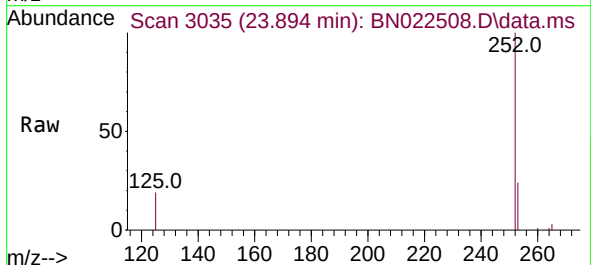
Tgt Ion:252 Resp: 90080
Ion Ratio Lower Upper
252 100
253 25.0 20.9 31.3
125 20.9 16.1 24.1

Manual Integrations
APPROVED

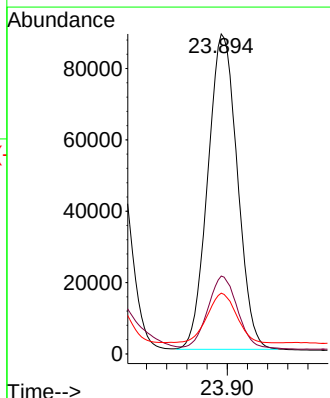
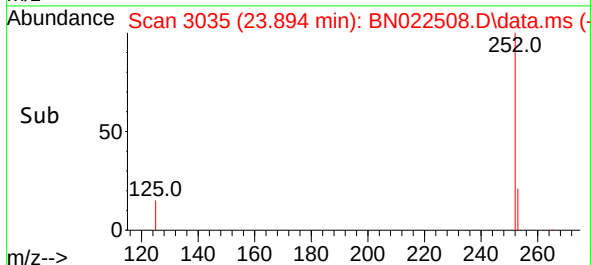
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

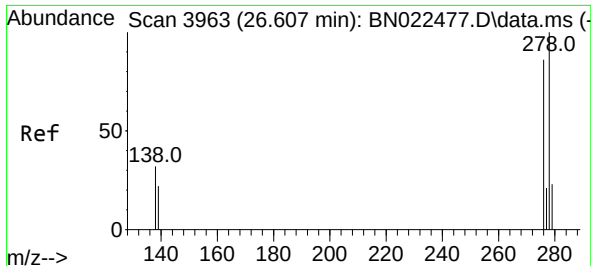


#39
Benzo(a)pyrene
Concen: 8.022 ng m
RT: 23.894 min Scan# 3035
Delta R.T. -0.009 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18



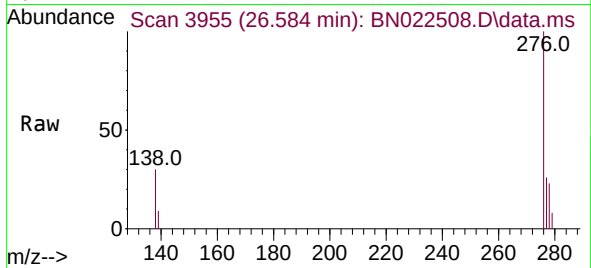
Tgt Ion:252 Resp: 179585
Ion Ratio Lower Upper
252 100
253 24.3 22.0 33.0
125 19.0 19.8 29.8





#40
Dibenzo(a,h)anthracene
Concen: 1.281 ng
RT: 26.584 min Scan# 3963
Delta R.T. -0.023 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

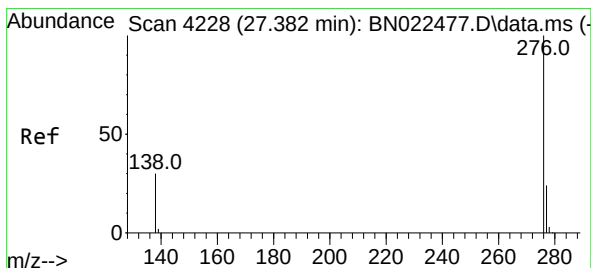
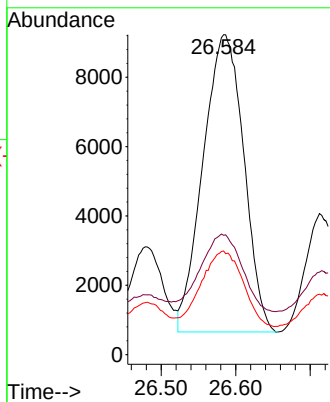
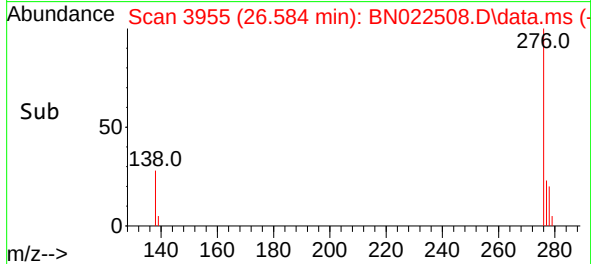
Instrument :
BNA_N
ClientSampleId :
S-13-103122



Tgt Ion:278 Resp: 32619
Ion Ratio Lower Upper
278 100
139 37.3 21.8 32.6
279 32.4 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: 4.873 ng
RT: 27.370 min Scan# 4224
Delta R.T. -0.012 min
Lab File: BN022508.D
Acq: 04 Nov 2022 11:18

Tgt Ion:276 Resp: 131805
Ion Ratio Lower Upper
276 100
277 24.9 21.0 31.4
138 31.5 26.0 39.0

