

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
 Data File : BN022507.D
 Acq On : 04 Nov 2022 10:41
 Operator : CG/JU
 Sample : N5395-12
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-9-103122

Manual Integrations
 APPROVED

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

Quant Time: Nov 04 13:57:19 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	3362	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	14259	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	7446	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	11758	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	7610	0.400	ng	# 0.00
35) Perylene-d12	24.005	264	7872	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.451	112	3535	0.372	ng	0.00
5) Phenol-d6	7.083	99	4908	0.410	ng	0.00
8) Nitrobenzene-d5	9.097	82	3514	0.273	ng	-0.01
11) 2-Methylnaphthalene-d10	12.342	152	5425	0.227	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	852	0.218	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	8052	0.260	ng	-0.01
27) Fluoranthene-d10	19.390	212	6390	0.199	ng	0.00
31) Terphenyl-d14	19.989	244	5528	0.233	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.343	93	439	0.041	ng	89
9) Naphthalene	10.795	128	30327	0.702	ng	97
16) Acenaphthylene	14.311	152	14723	0.390	ng	99
17) Acenaphthene	14.653	154	5505	0.226	ng	99
18) Fluorene	15.647	166	8304	0.243	ng	# 94
25) Phenanthrene	17.387	178	97575	2.483	ng	100
26) Anthracene	17.487	178	20944	0.606	ng	96
28) Fluoranthene	19.420	202	196735	4.645	ng	99
30) Pyrene	19.782	202	173257	5.273	ng	# 96
32) Benzo(a)anthracene	21.537	228	90116	2.945	ng	98
33) Chrysene	21.591	228	82250	2.714	ng	97
34) Bis(2-ethylhexyl)phtha...	21.457	149	21380	0.829	ng	96
36) Indeno(1,2,3-cd)pyrene	26.569	276	58012	1.531	ng	95
37) Benzo(b)fluoranthene	23.254	252	120674	3.899	ng	95
38) Benzo(k)fluoranthene	23.298	252	38707m	1.226	ng	
39) Benzo(a)pyrene	23.894	252	84137	3.174	ng	92
40) Dibenzo(a,h)anthracene	26.578	278	14732	0.489	ng	# 81
41) Benzo(g,h,i)perylene	27.367	276	56688	1.770	ng	97

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

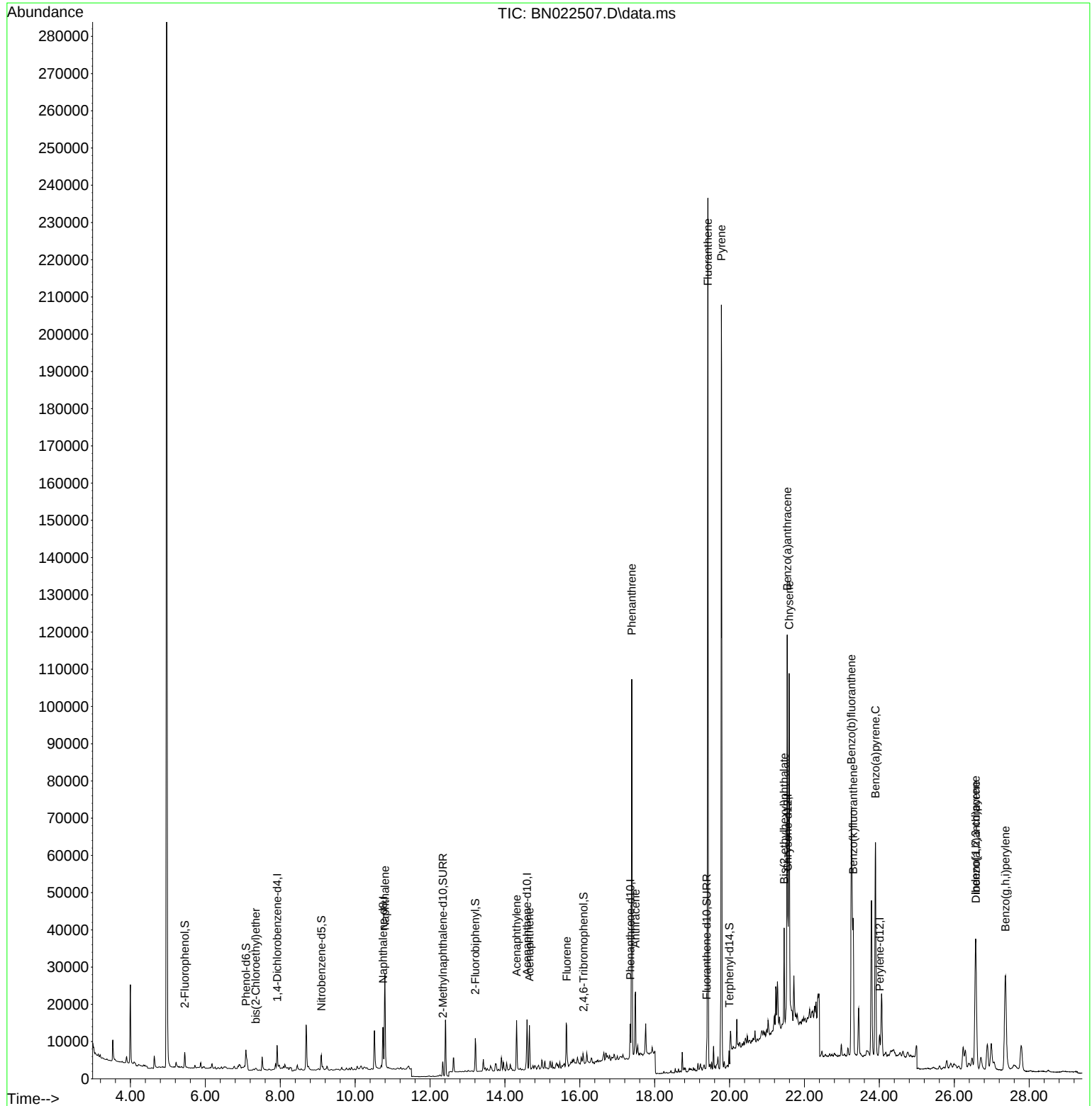
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
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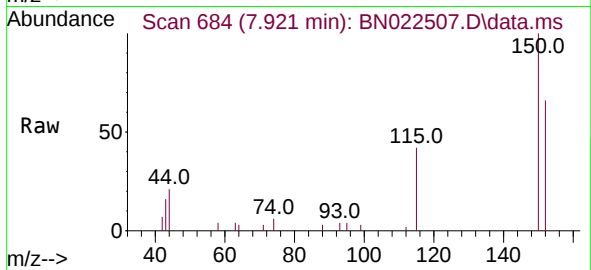
Reviewed By : Christian Giraldo 11/07/2022
Supervised By : mohammad ahmed 11/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.921 min Scan# 684
Delta R.T. 0.001 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

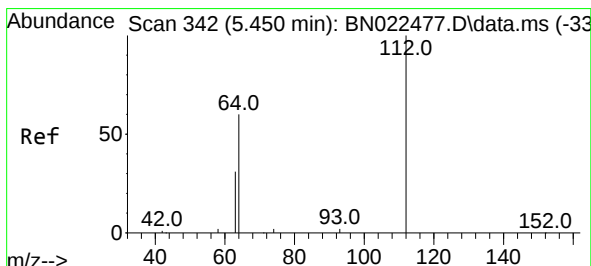
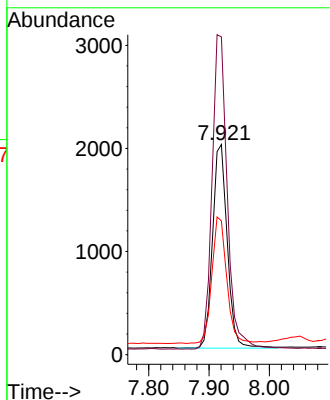
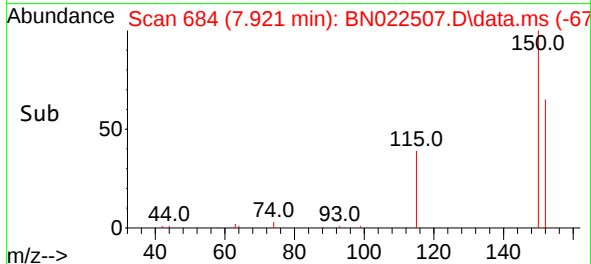
Instrument :
BNA_N
ClientSampleId :
S-9-103122



Tgt Ion:152 Resp: 3362
Ion Ratio Lower Upper
152 100
150 151.2 123.4 185.2
115 63.6 54.9 82.3

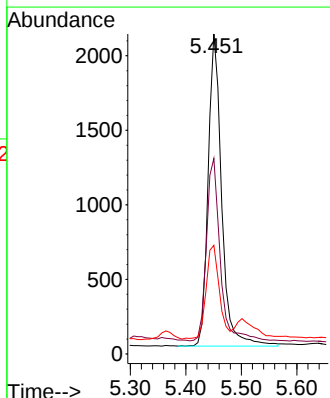
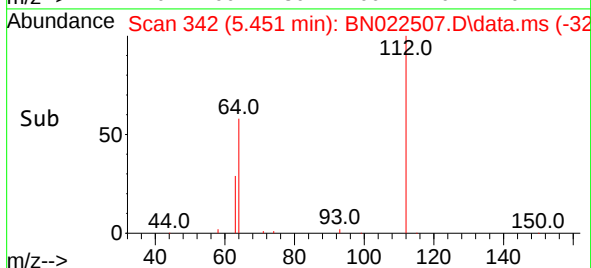
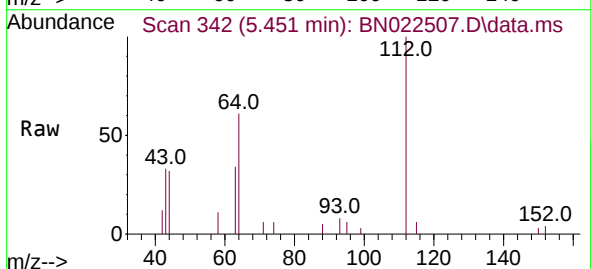
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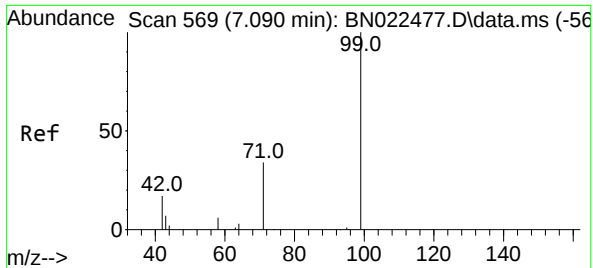
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#4
2-Fluorophenol
Concen: 0.372 ng
RT: 5.451 min Scan# 342
Delta R.T. 0.000 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

Tgt Ion:112 Resp: 3535
Ion Ratio Lower Upper
112 100
64 59.2 47.1 70.7
63 29.5 24.6 36.8





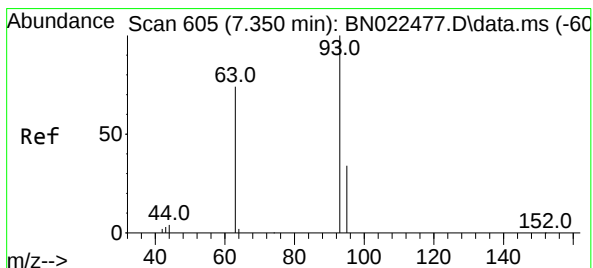
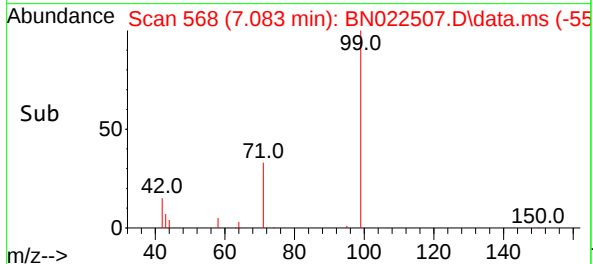
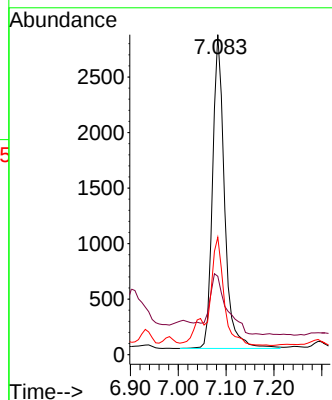
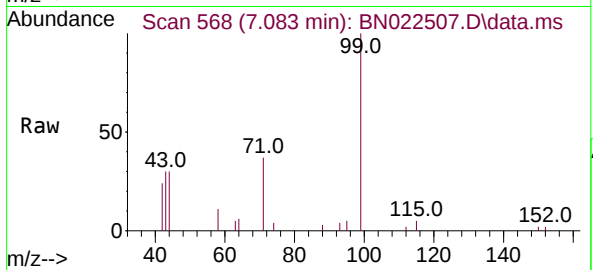
#5
Phenol-d6
Concen: 0.410 ng
RT: 7.083 min Scan# 50
Delta R.T. -0.007 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

Instrument :
BNA_N
ClientSampleId :
S-9-103122

Tgt Ion: 99 Resp: 4908
Ion Ratio Lower Upper
99 100
42 27.7 14.7 22.1
71 44.5 27.0 40.6

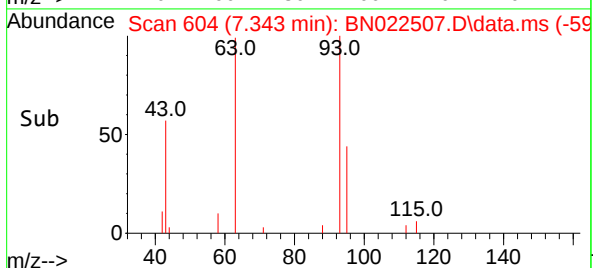
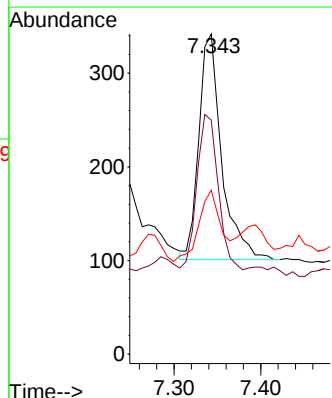
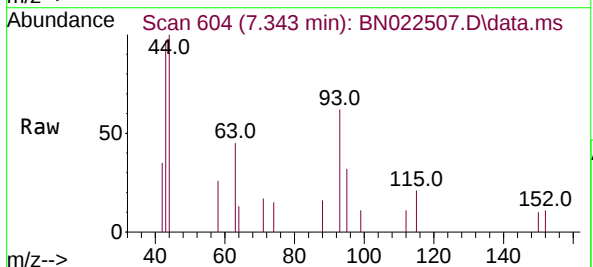
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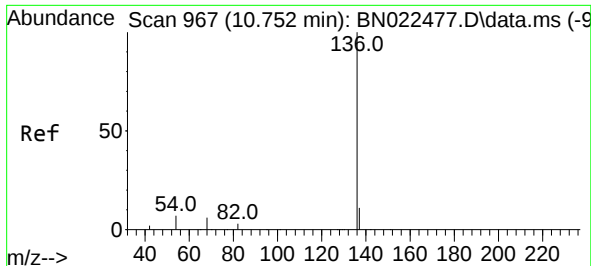
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#6
bis(2-Chloroethyl)ether
Concen: 0.041 ng
RT: 7.343 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

Tgt Ion: 93 Resp: 439
Ion Ratio Lower Upper
93 100
63 63.8 61.2 91.8
95 30.3 25.7 38.5





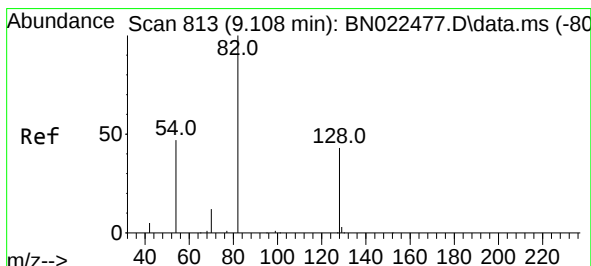
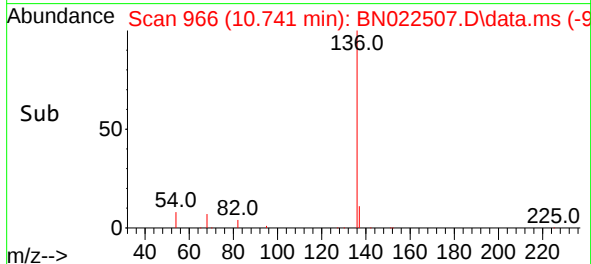
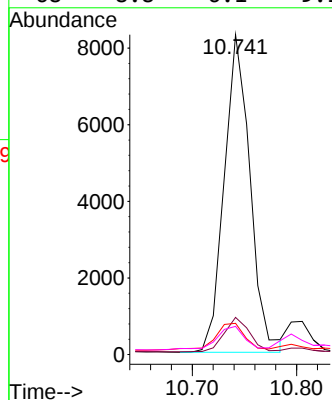
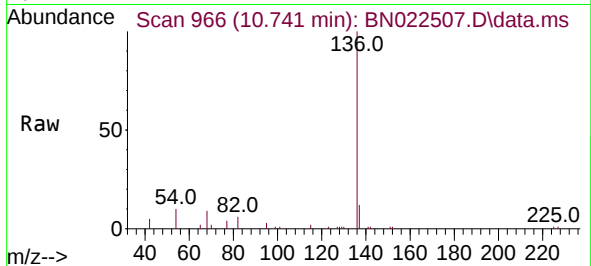
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 967
Delta R.T. -0.011 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

Instrument :
BNA_N
ClientSampleId :
S-9-103122

Tgt Ion:	136	Resp:	14259
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.5	14.3
54	9.8	7.1	10.7
68	8.8	6.1	9.1

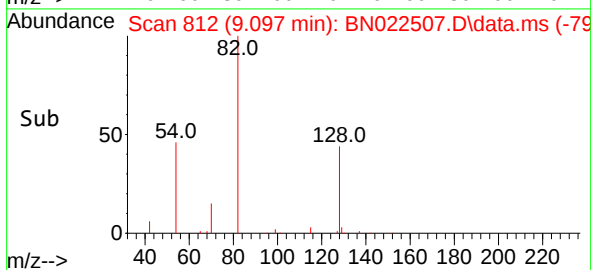
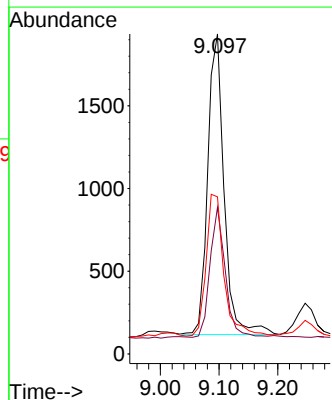
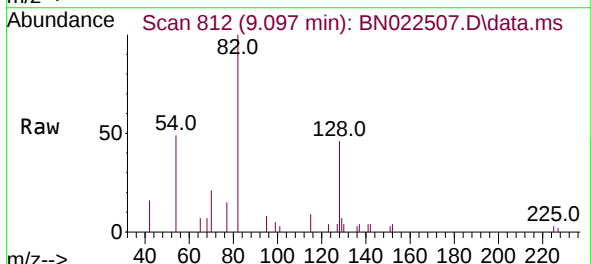
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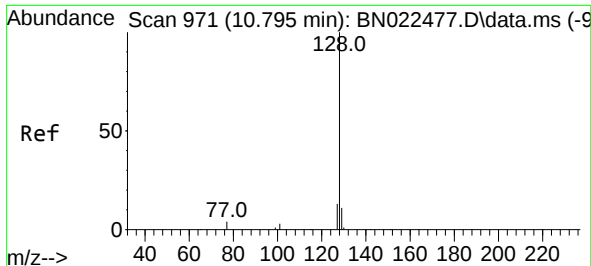
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#8
Nitrobenzene-d5
Concen: 0.273 ng
RT: 9.097 min Scan# 812
Delta R.T. -0.011 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

Tgt Ion:	82	Resp:	3514
Ion Ratio	Lower	Upper	
82	100		
128	45.8	37.3	55.9
54	49.1	40.0	60.0





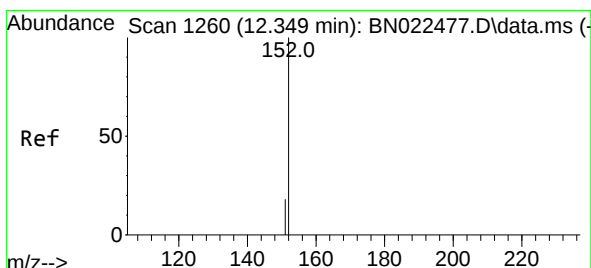
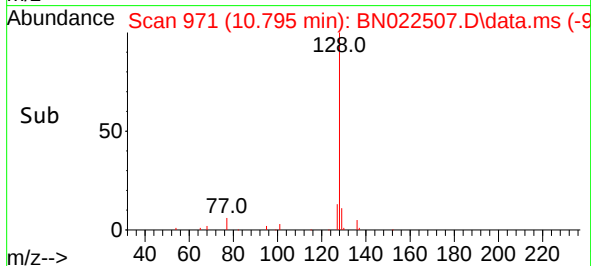
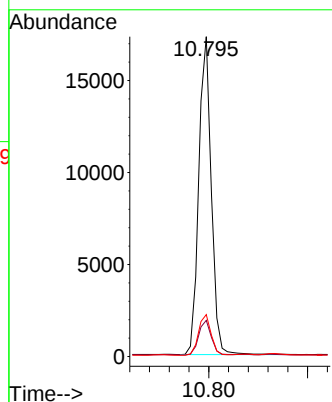
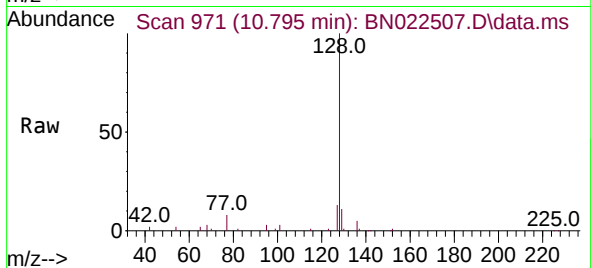
#9
Naphthalene
Concen: 0.702 ng
RT: 10.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

Instrument :
BNA_N
ClientSampleId :
S-9-103122

Tgt Ion:128 Resp: 3032
Ion Ratio Lower Upper
128 100
129 11.3 9.8 14.6
127 13.1 11.4 17.2

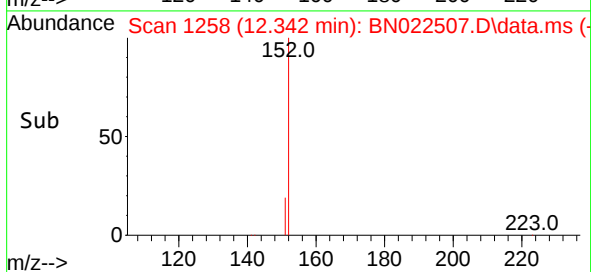
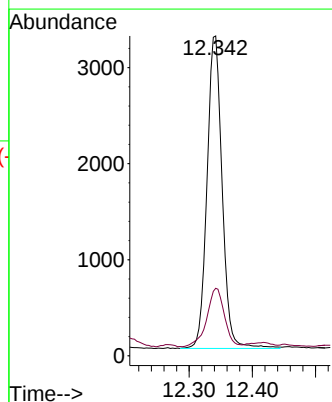
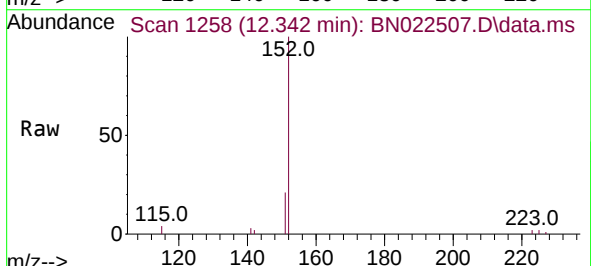
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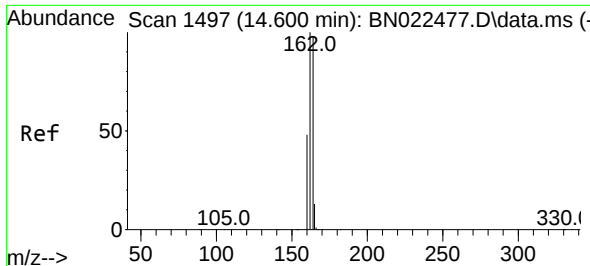
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#11
2-Methylnaphthalene-d10
Concen: 0.227 ng
RT: 12.342 min Scan# 1258
Delta R.T. -0.007 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

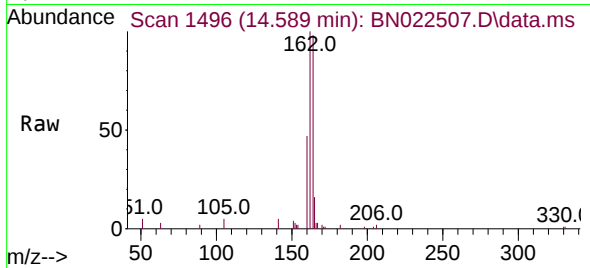
Tgt Ion:152 Resp: 5425
Ion Ratio Lower Upper
152 100
151 22.4 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

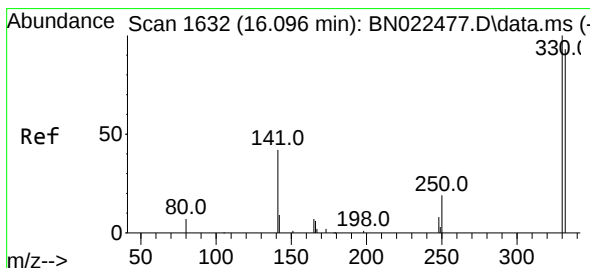
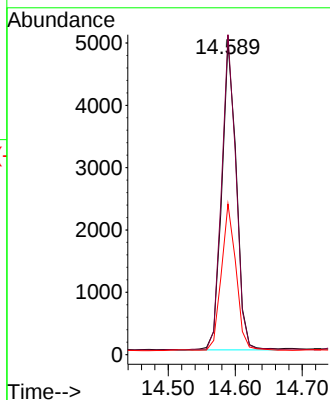
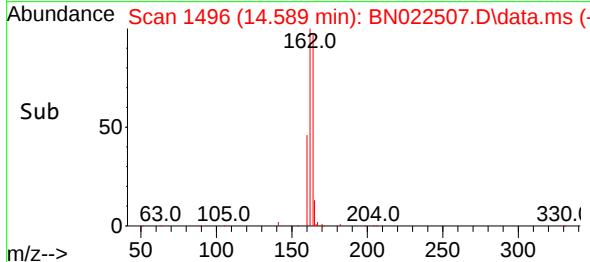
Instrument :
BNA_N
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S-9-103122



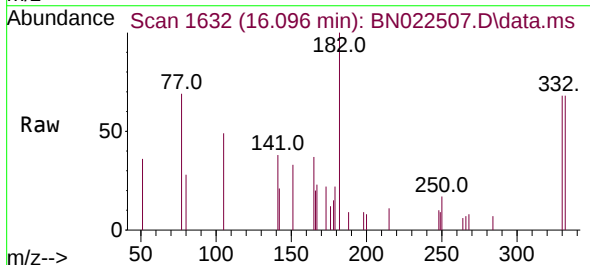
Tgt Ion:164 Resp: 7446
Ion Ratio Lower Upper
164 100
162 102.5 82.0 123.0
160 48.2 39.4 59.2

Manual Integrations
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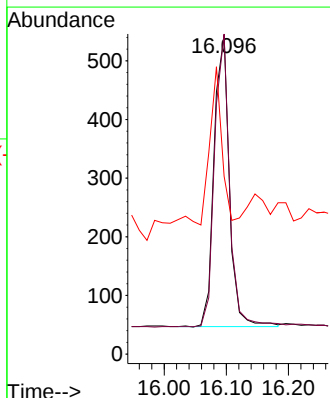
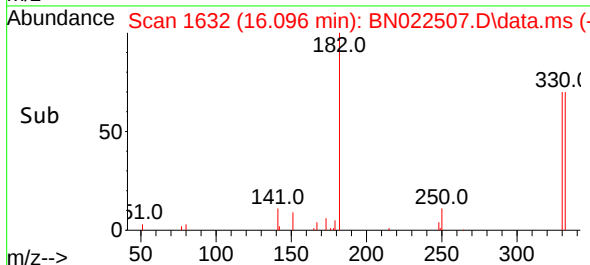
Reviewed By :Christian Giraldo 11/07/2022
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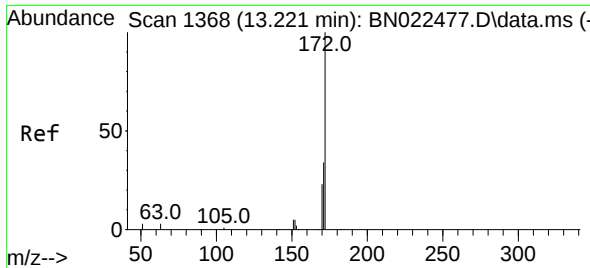


#14
2,4,6-Tribromophenol
Concen: 0.218 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41



Tgt Ion:330 Resp: 852
Ion Ratio Lower Upper
330 100
332 98.6 77.8 116.8
141 43.7 35.0 52.6





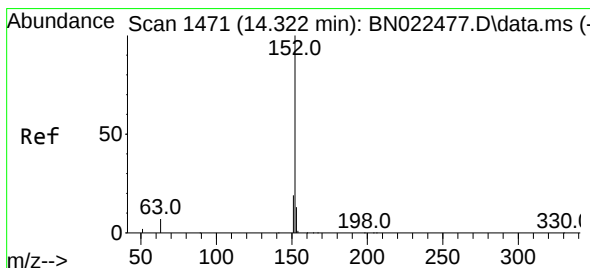
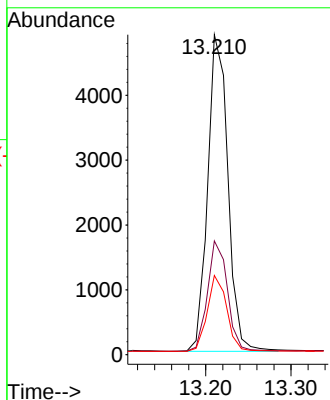
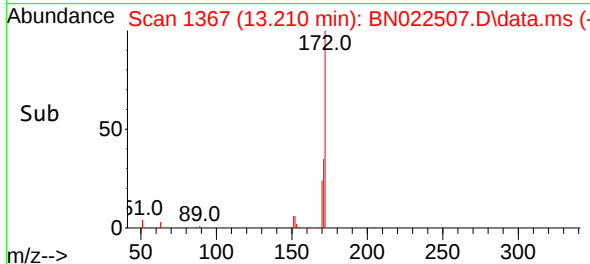
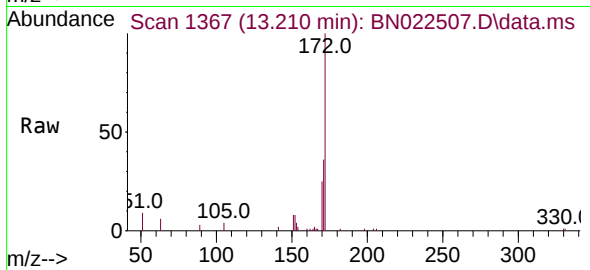
#15
2-Fluorobiphenyl
Concen: 0.260 ng
RT: 13.210 min Scan# 1368
Delta R.T. -0.011 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

Instrument :
BNA_N
ClientSampleId :
S-9-103122

Tgt Ion:172 Resp: 8052
Ion Ratio Lower Upper
172 100
171 35.5 27.9 41.9
170 24.7 19.2 28.8

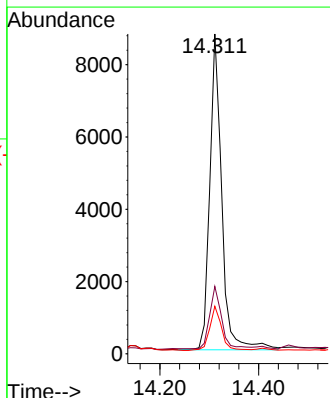
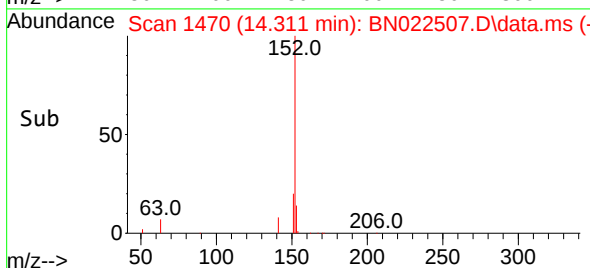
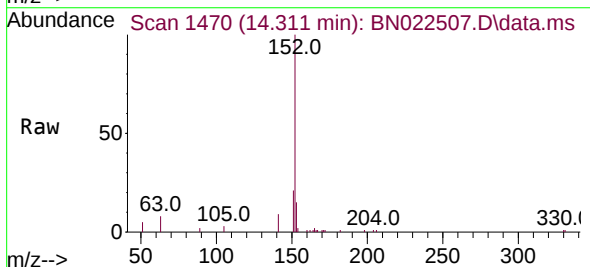
Manual Integrations
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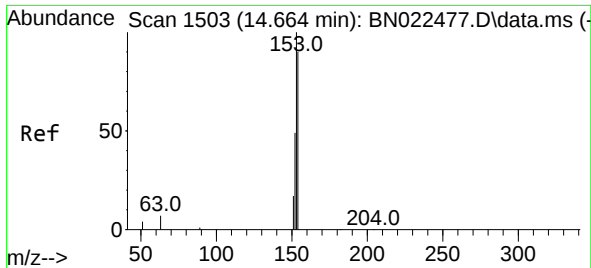
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#16
Acenaphthylene
Concen: 0.390 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.011 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

Tgt Ion:152 Resp: 14723
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.6
153 13.8 10.3 15.5





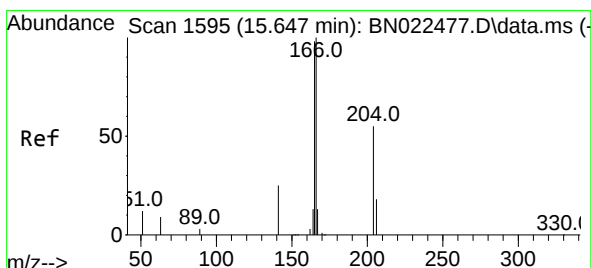
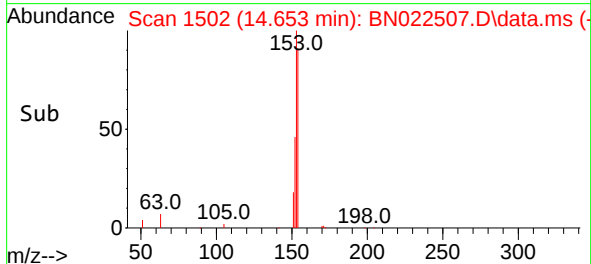
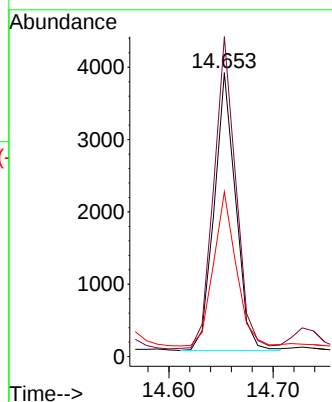
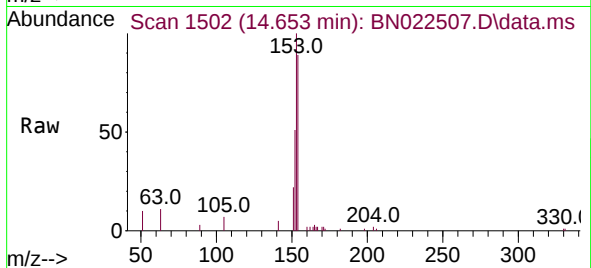
#17
Acenaphthene
Concen: 0.226 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

Instrument :
BNA_N
ClientSampleId :
S-9-103122

Tgt Ion:154 Resp: 5505
Ion Ratio Lower Upper
154 100
153 115.0 91.8 137.8
152 58.6 45.7 68.5

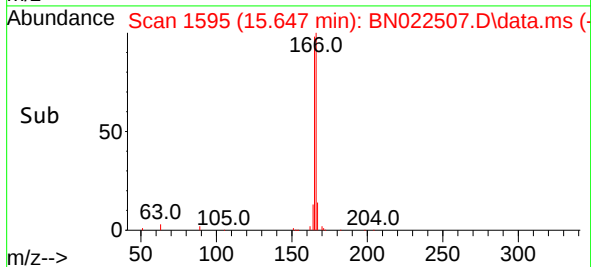
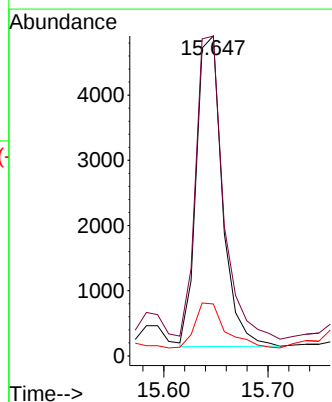
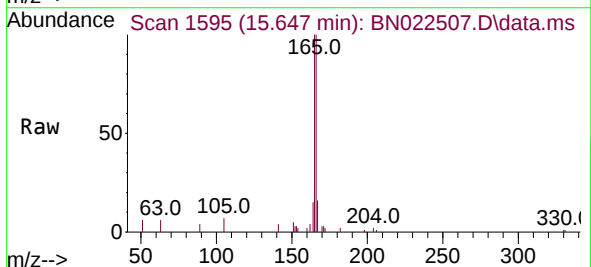
Manual Integrations
APPROVED

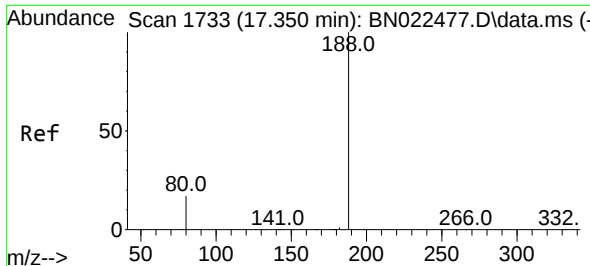
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#18
Fluorene
Concen: 0.243 ng
RT: 15.647 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

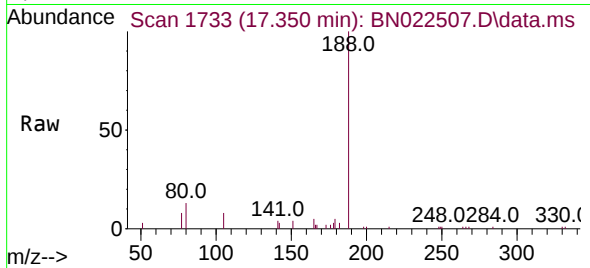
Tgt Ion:166 Resp: 8304
Ion Ratio Lower Upper
166 100
165 103.1 78.7 118.1
167 17.4 10.2 15.2#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

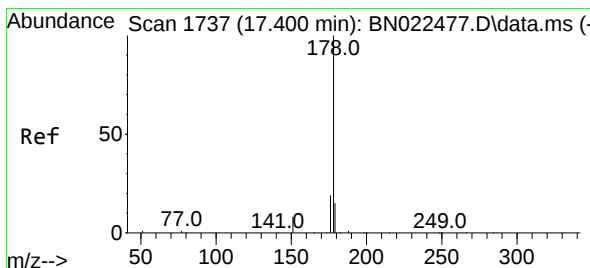
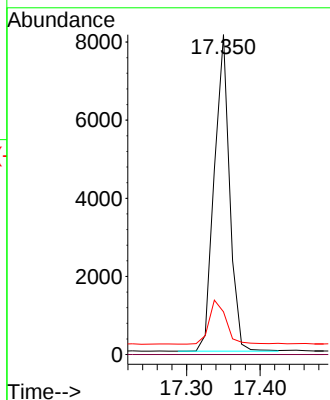
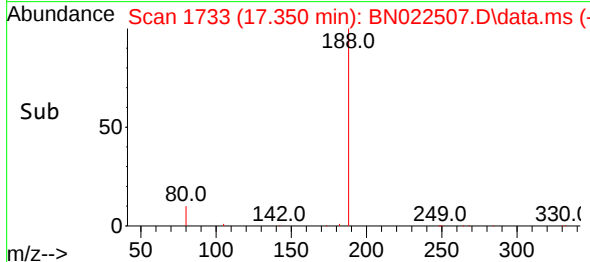
Instrument :
BNA_N
ClientSampleId :
S-9-103122



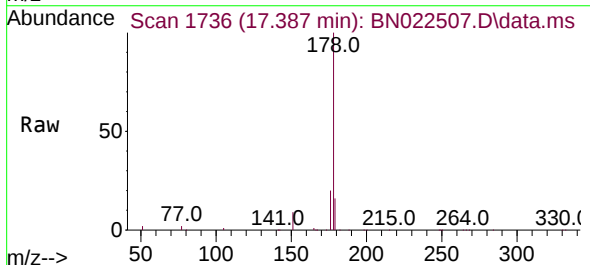
Tgt Ion:188 Resp: 11758
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.4 14.6 21.8

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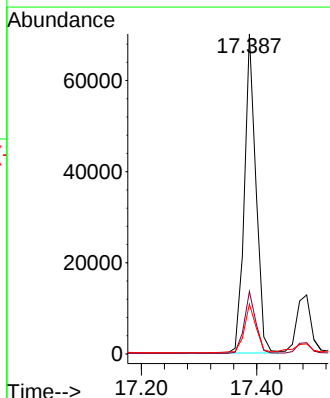
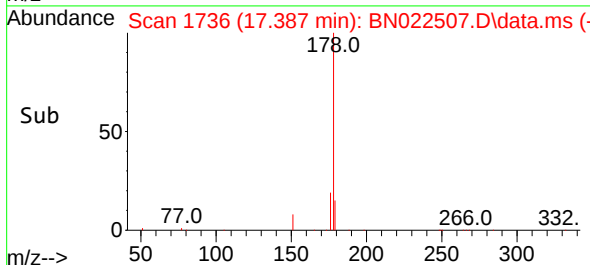
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

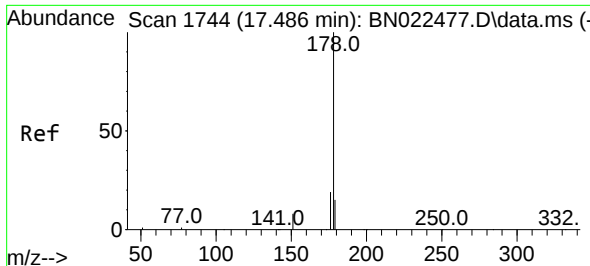


#25
Phenanthrene
Concen: 2.483 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41



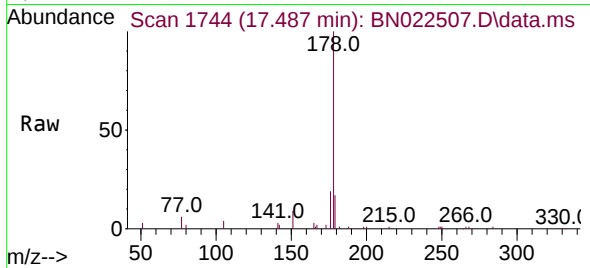
Tgt Ion:178 Resp: 97575
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.6 12.2 18.4





#26
 Anthracene
 Concen: 0.606 ng
 RT: 17.487 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN022507.D
 Acq: 04 Nov 2022 10:41

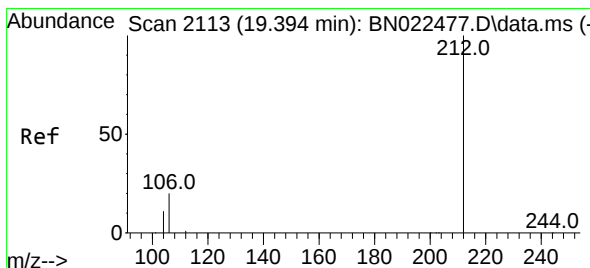
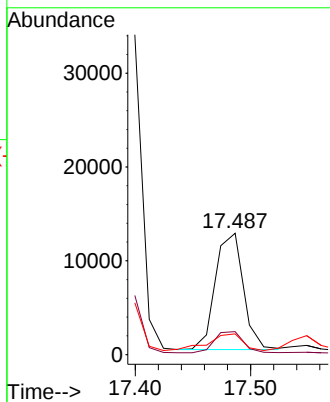
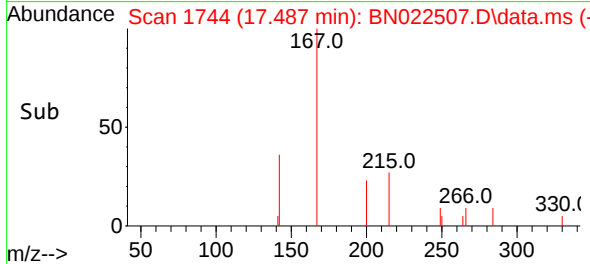
Instrument :
 BNA_N
 ClientSampleId :
 S-9-103122



Tgt Ion:178 Resp: 20944
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.8 22.2
 179 17.6 12.2 18.2

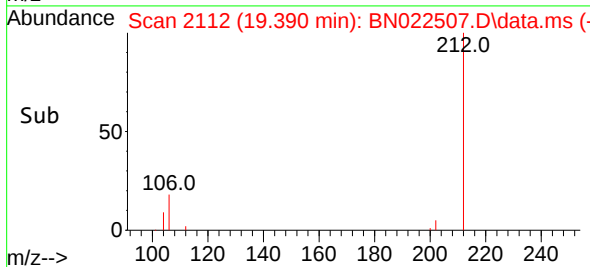
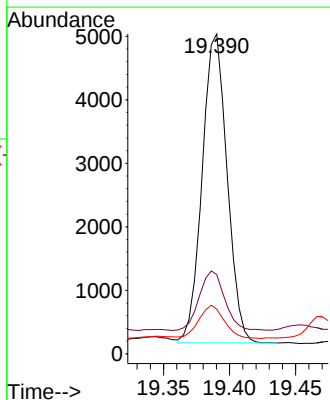
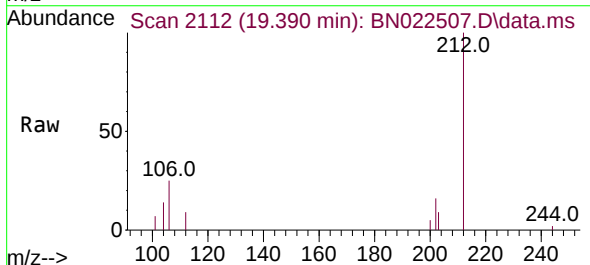
Manual Integrations
 APPROVED

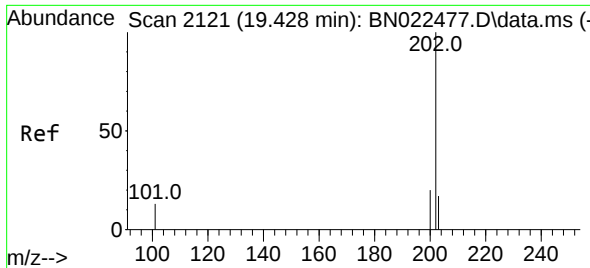
Reviewed By :Christian Giraldo 11/07/2022
 Supervised By :mohammad ahmed 11/08/2022



#27
 Fluoranthene-d10
 Concen: 0.199 ng
 RT: 19.390 min Scan# 2112
 Delta R.T. -0.004 min
 Lab File: BN022507.D
 Acq: 04 Nov 2022 10:41

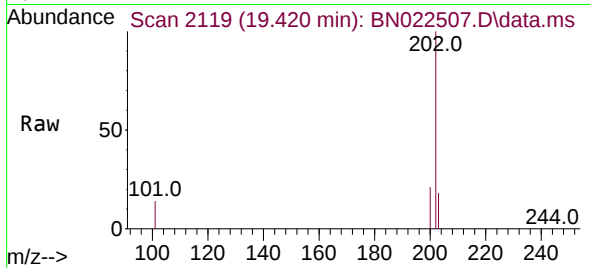
Tgt Ion:212 Resp: 6390
 Ion Ratio Lower Upper
 212 100
 106 19.7 15.2 22.8
 104 11.1 8.6 12.8





#28
Fluoranthene
Concen: 4.645 ng
RT: 19.420 min Scan# 2119
Delta R.T. -0.008 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

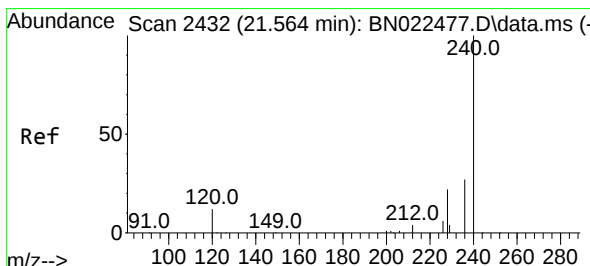
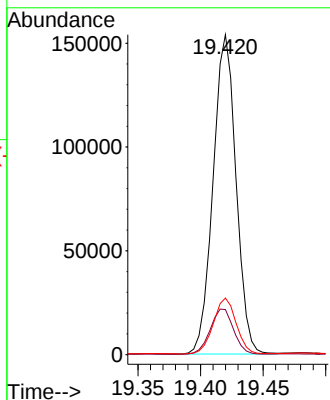
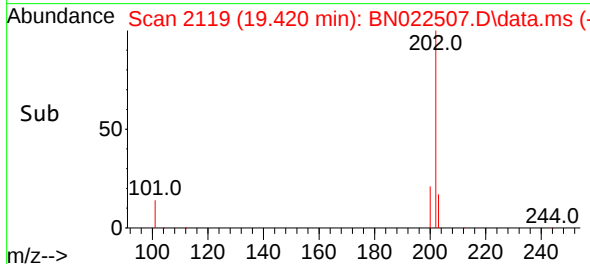
Instrument :
BNA_N
ClientSampleId :
S-9-103122



Tgt Ion:202 Resp: 196735
Ion Ratio Lower Upper
202 100
101 14.4 11.2 16.8
203 17.3 13.6 20.4

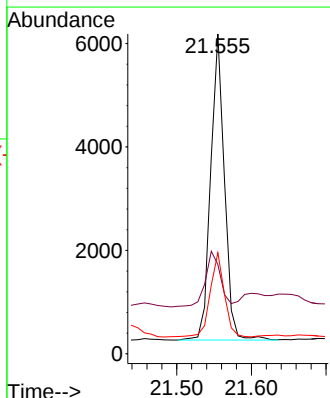
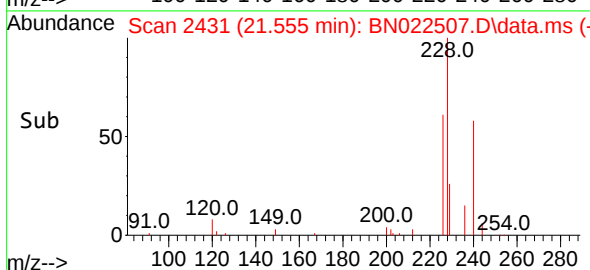
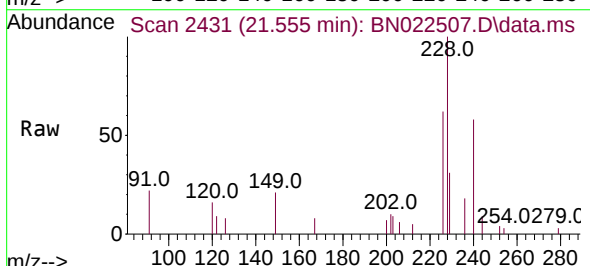
Manual Integrations
APPROVED

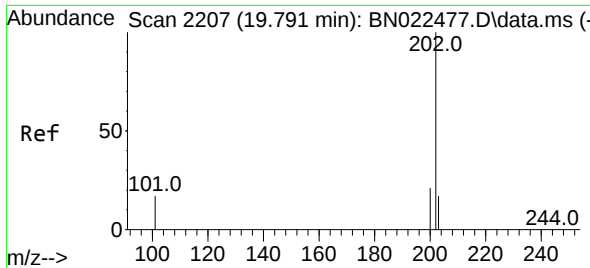
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. -0.009 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

Tgt Ion:240 Resp: 7610
Ion Ratio Lower Upper
240 100
120 27.9 12.4 18.6#
236 31.6 22.7 34.1





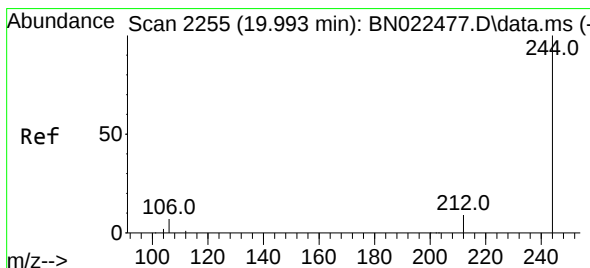
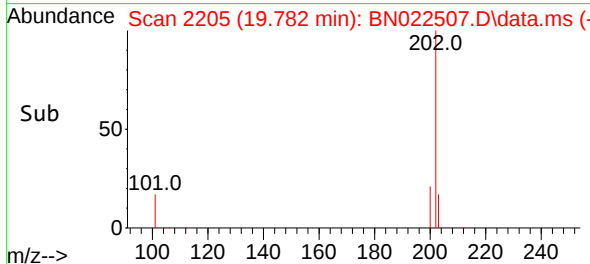
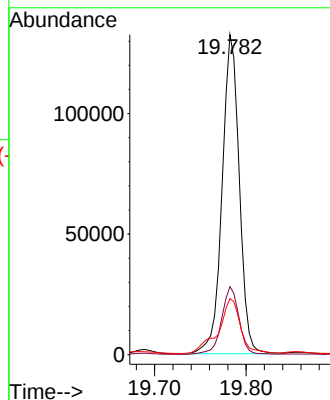
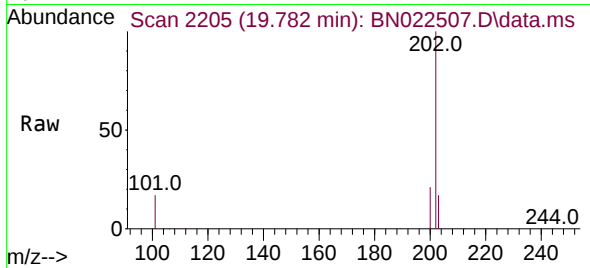
#30
Pyrene
Concen: 5.273 ng
RT: 19.782 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

Instrument :
BNA_N
ClientSampleId :
S-9-103122

Tgt Ion:202 Resp: 17325
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 22.0 14.3 21.5

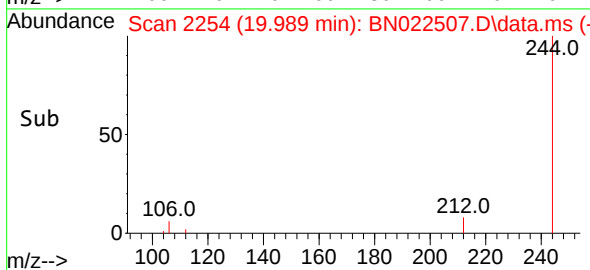
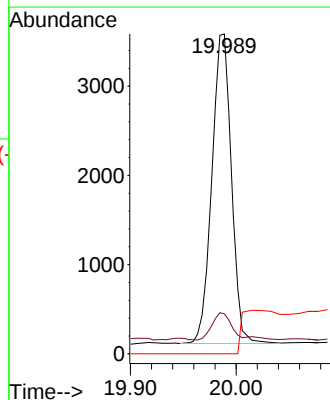
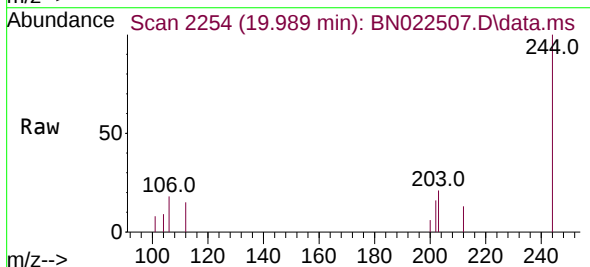
Manual Integrations
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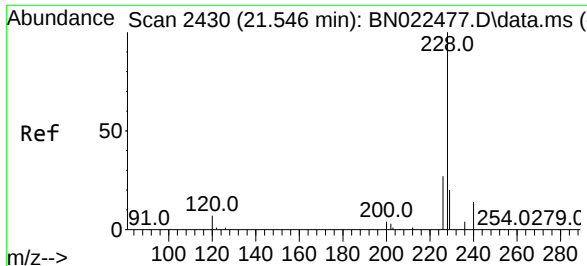
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#31
Terphenyl-d14
Concen: 0.233 ng
RT: 19.989 min Scan# 2254
Delta R.T. -0.004 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

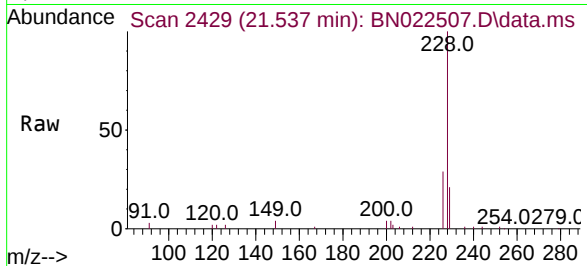
Tgt Ion:244 Resp: 5528
Ion Ratio Lower Upper
244 100
212 12.5 7.8 11.8#
122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 2.945 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

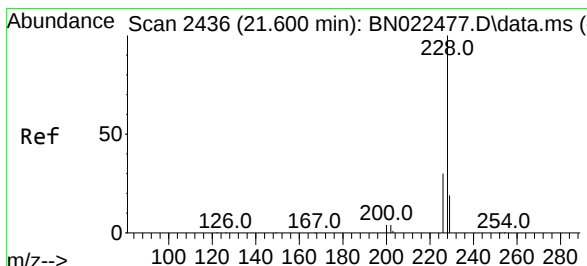
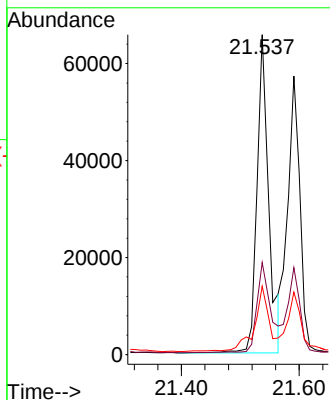
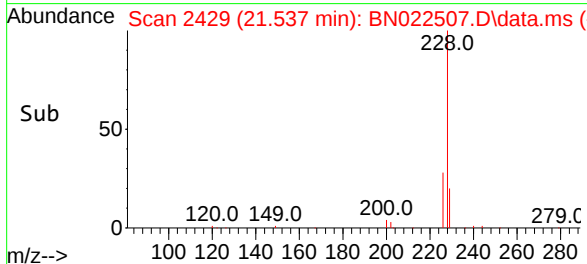
Instrument :
BNA_N
ClientSampleId :
S-9-103122



Tgt Ion:228 Resp: 90116
Ion Ratio Lower Upper
228 100
226 28.8 22.1 33.1
229 21.4 16.4 24.6

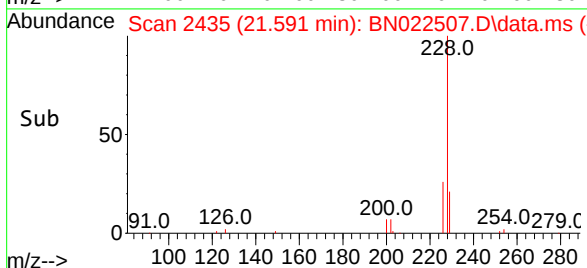
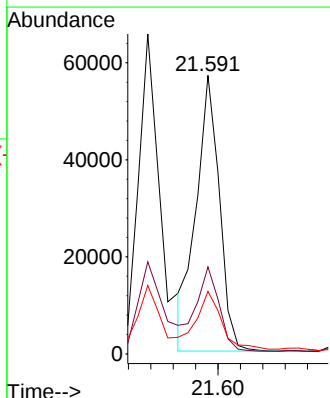
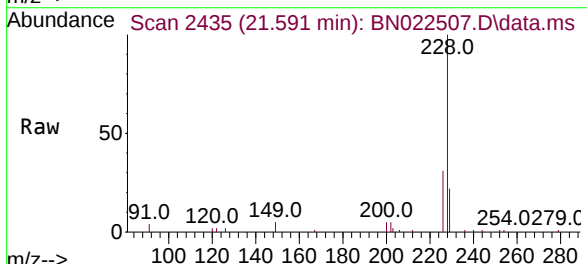
Manual Integrations
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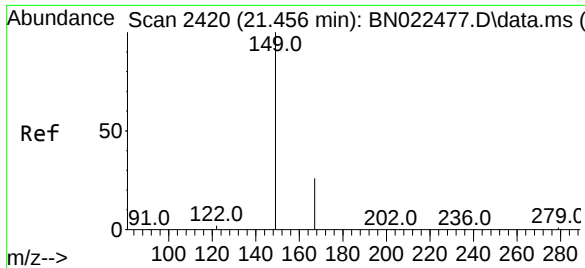
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#33
Chrysene
Concen: 2.714 ng
RT: 21.591 min Scan# 2435
Delta R.T. -0.009 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

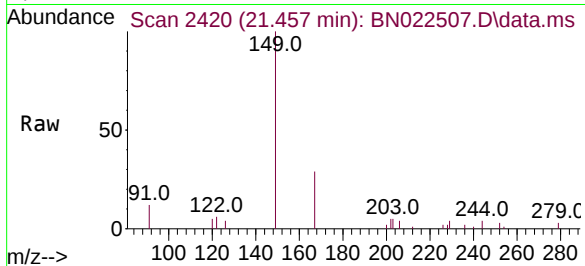
Tgt Ion:228 Resp: 82250
Ion Ratio Lower Upper
228 100
226 31.2 24.1 36.1
229 22.4 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.829 ng
RT: 21.457 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

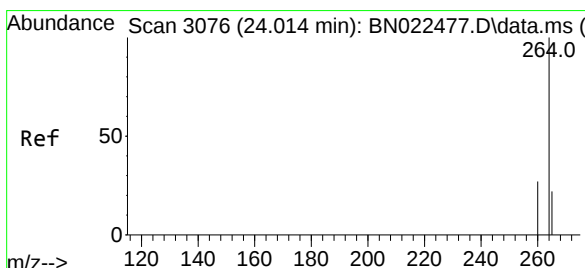
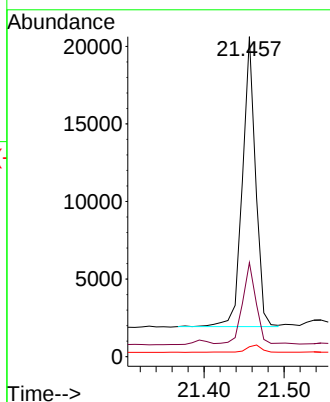
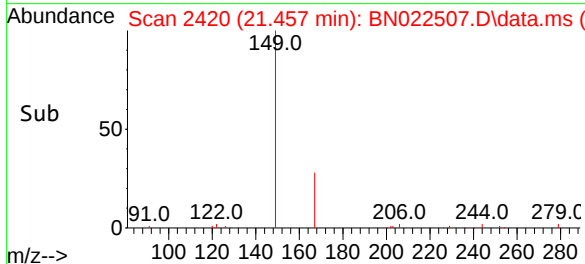
Instrument :
BNA_N
ClientSampleId :
S-9-103122



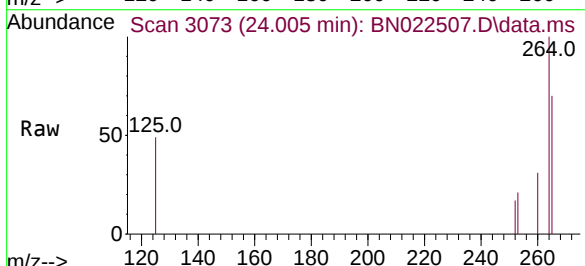
Tgt Ion:149 Resp: 21380
Ion Ratio Lower Upper
149 100
167 28.6 21.3 31.9
279 3.0 2.7 4.1

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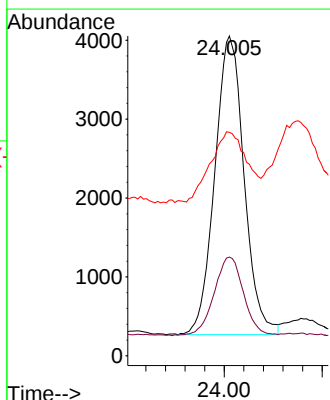
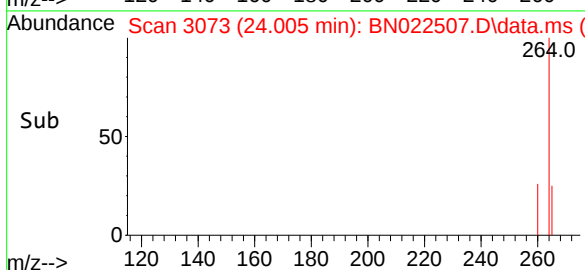
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022

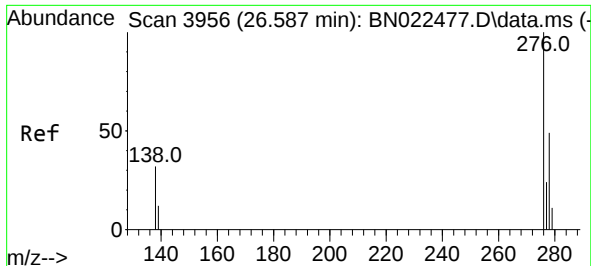


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.005 min Scan# 3073
Delta R.T. -0.009 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41



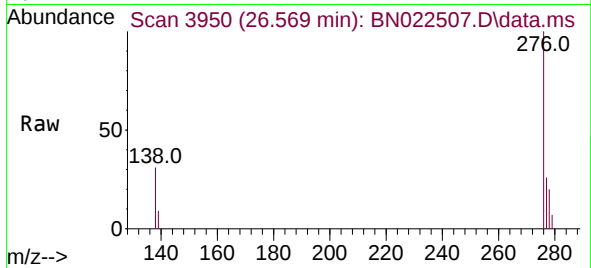
Tgt Ion:264 Resp: 7872
Ion Ratio Lower Upper
264 100
260 30.9 22.4 33.6
265 69.9 44.4 66.6#





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.531 ng
 RT: 26.569 min Scan# 3956
 Delta R.T. -0.017 min
 Lab File: BN022507.D
 Acq: 04 Nov 2022 10:41

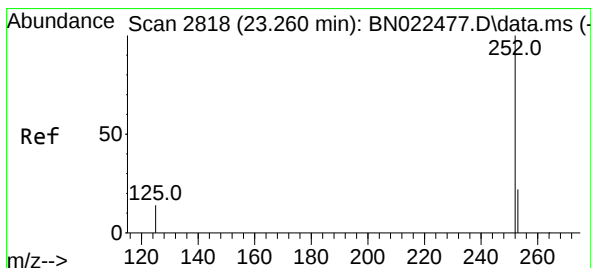
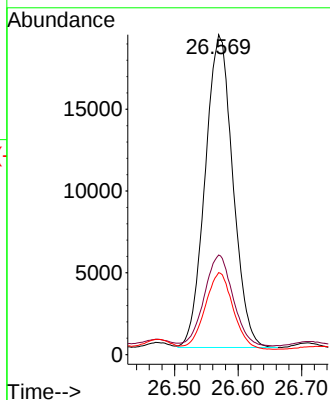
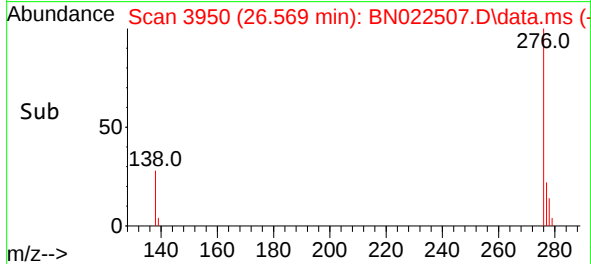
Instrument :
 BNA_N
 ClientSampleId :
 S-9-103122



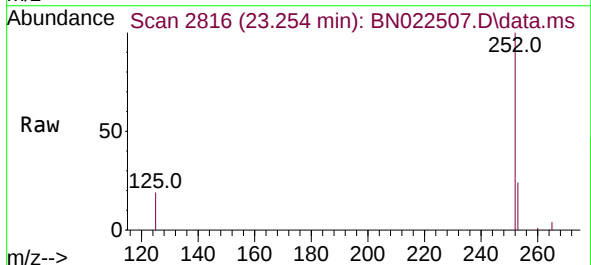
Tgt Ion: 276 Resp: 58012
 Ion Ratio Lower Upper
 276 100
 138 30.0 27.5 41.3
 277 24.8 19.8 29.6

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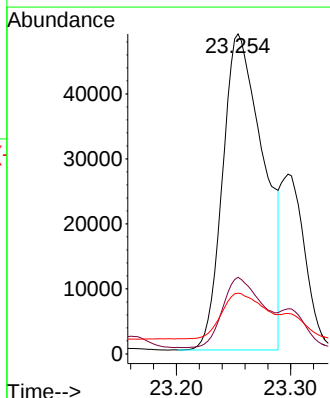
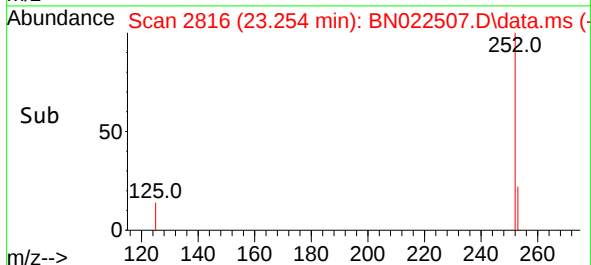
Reviewed By : Christian Giraldo 11/07/2022
 Supervised By : mohammad ahmed 11/08/2022

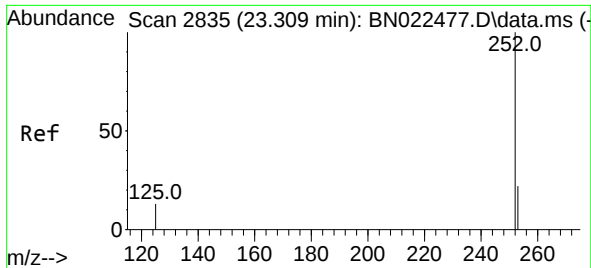


#37
 Benzo(b)fluoranthene
 Concen: 3.899 ng
 RT: 23.254 min Scan# 2816
 Delta R.T. -0.006 min
 Lab File: BN022507.D
 Acq: 04 Nov 2022 10:41



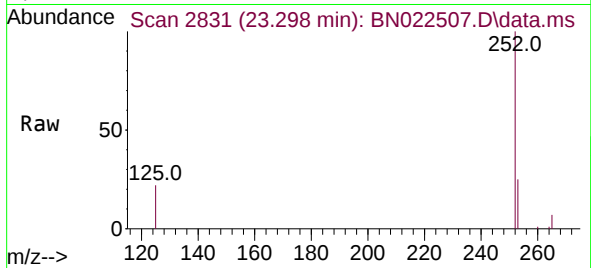
Tgt Ion: 252 Resp: 120674
 Ion Ratio Lower Upper
 252 100
 253 23.9 21.1 31.7
 125 19.0 16.8 25.2





#38
Benzo(k)fluoranthene
Concen: 1.226 ng m
RT: 23.298 min Scan# 2835
Delta R.T. -0.012 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

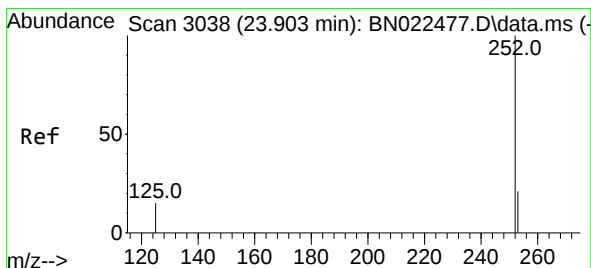
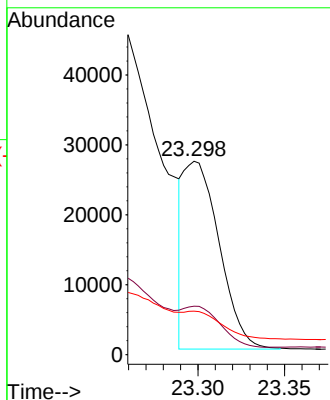
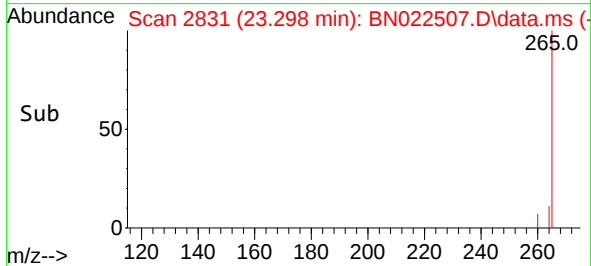
Instrument :
BNA_N
ClientSampleId :
S-9-103122



Tgt Ion:252 Resp: 3870
Ion Ratio Lower Upper
252 100
253 25.1 20.9 31.3
125 22.4 16.1 24.1

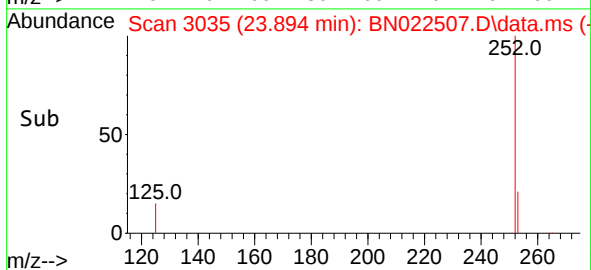
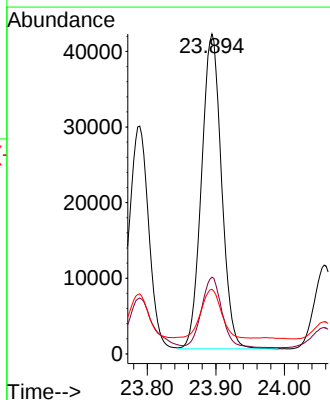
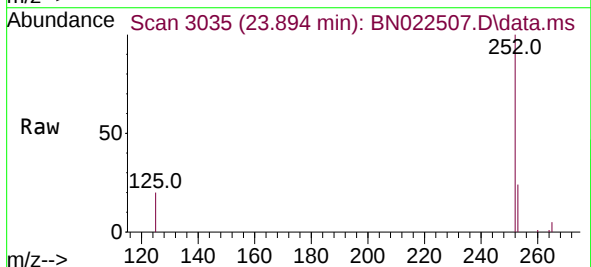
Manual Integrations
APPROVED

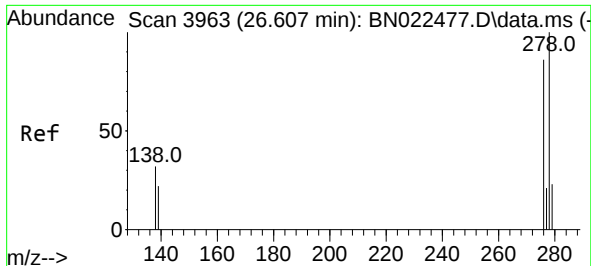
Reviewed By :Christian Giraldo 11/07/2022
Supervised By :mohammad ahmed 11/08/2022



#39
Benzo(a)pyrene
Concen: 3.174 ng
RT: 23.894 min Scan# 3035
Delta R.T. -0.009 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

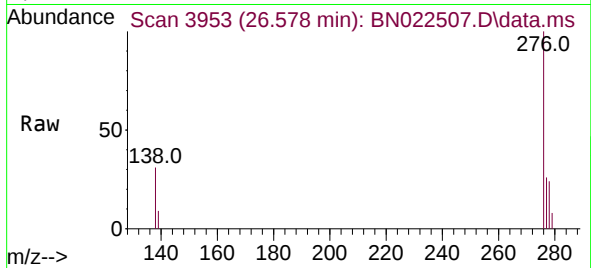
Tgt Ion:252 Resp: 84137
Ion Ratio Lower Upper
252 100
253 24.0 22.0 33.0
125 20.2 19.8 29.8





#40
Dibenzo(a,h)anthracene
Concen: 0.489 ng
RT: 26.578 min Scan# 3963
Delta R.T. -0.029 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41

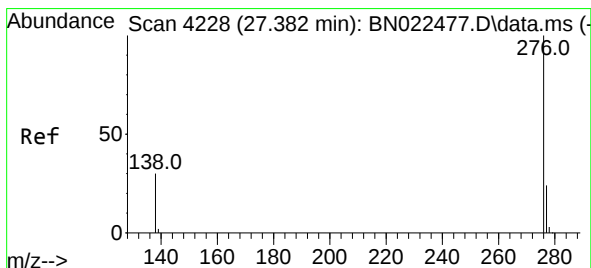
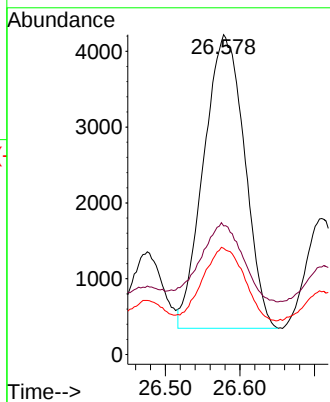
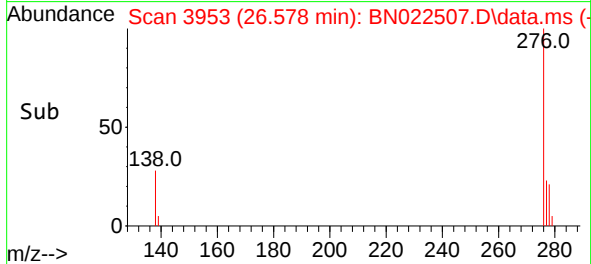
Instrument :
BNA_N
ClientSampleId :
S-9-103122



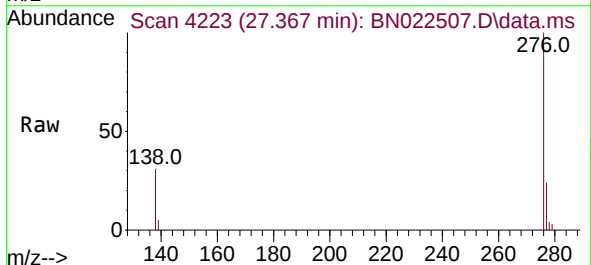
Tgt Ion:278 Resp: 14732
Ion Ratio Lower Upper
278 100
139 40.2 21.8 32.6
279 33.2 21.5 32.3

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 1.770 ng
RT: 27.367 min Scan# 4223
Delta R.T. -0.014 min
Lab File: BN022507.D
Acq: 04 Nov 2022 10:41



Tgt Ion:276 Resp: 56688
Ion Ratio Lower Upper
276 100
277 24.3 21.0 31.4
138 31.4 26.0 39.0

