

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
 Data File : BN022501.D
 Acq On : 04 Nov 2022 06:59
 Operator : CG/JU
 Sample : N5395-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-4-103122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/04/2022
 Supervised By : Sohil Jodhani 11/04/2022

Quant Time: Nov 04 07:34:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 03:28:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	3568	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	12031	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	6649	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	13279	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	8924	0.400	ng	# 0.00
35) Perylene-d12	24.002	264	6750	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.450	112	2609	0.259	ng	0.00
5) Phenol-d6	7.083	99	4345	0.342	ng	0.00
8) Nitrobenzene-d5	9.097	82	2791	0.257	ng	-0.01
11) 2-Methylnaphthalene-d10	12.338	152	4564	0.226	ng	-0.01
14) 2,4,6-Tribromophenol	16.096	330	866	0.248	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	6862	0.248	ng	-0.01
27) Fluoranthene-d10	19.386	212	7644	0.211	ng	0.00
31) Terphenyl-d14	19.985	244	6669	0.240	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.335	93	365	0.032	ng	86
9) Naphthalene	10.795	128	17191	0.472	ng	97
16) Acenaphthylene	14.311	152	7358	0.218	ng	97
17) Acenaphthene	14.653	154	3678	0.169	ng	98
18) Fluorene	15.647	166	6020	0.198	ng	# 96
25) Phenanthrene	17.387	178	89847	2.024	ng	100
26) Anthracene	17.474	178	15822	0.405	ng	# 95
28) Fluoranthene	19.415	202	207728	4.343	ng	100
30) Pyrene	19.782	202	177513	4.607	ng	# 96
32) Benzo(a)anthracene	21.537	228	80300	2.238	ng	99
33) Chrysene	21.591	228	85491	2.405	ng	97
34) Bis(2-ethylhexyl)phtha...	21.457	149	16271	0.538	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.566	276	45183	1.390	ng	95
37) Benzo(b)fluoranthene	23.251	252	91459	3.446	ng	94
38) Benzo(k)fluoranthene	23.298	252	33748m	1.247	ng	
39) Benzo(a)pyrene	23.891	252	62378m	2.744	ng	
40) Dibenzo(a,h)anthracene	26.575	278	11114	0.430	ng	# 86
41) Benzo(g,h,i)perylene	27.359	276	45460	1.655	ng	96

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

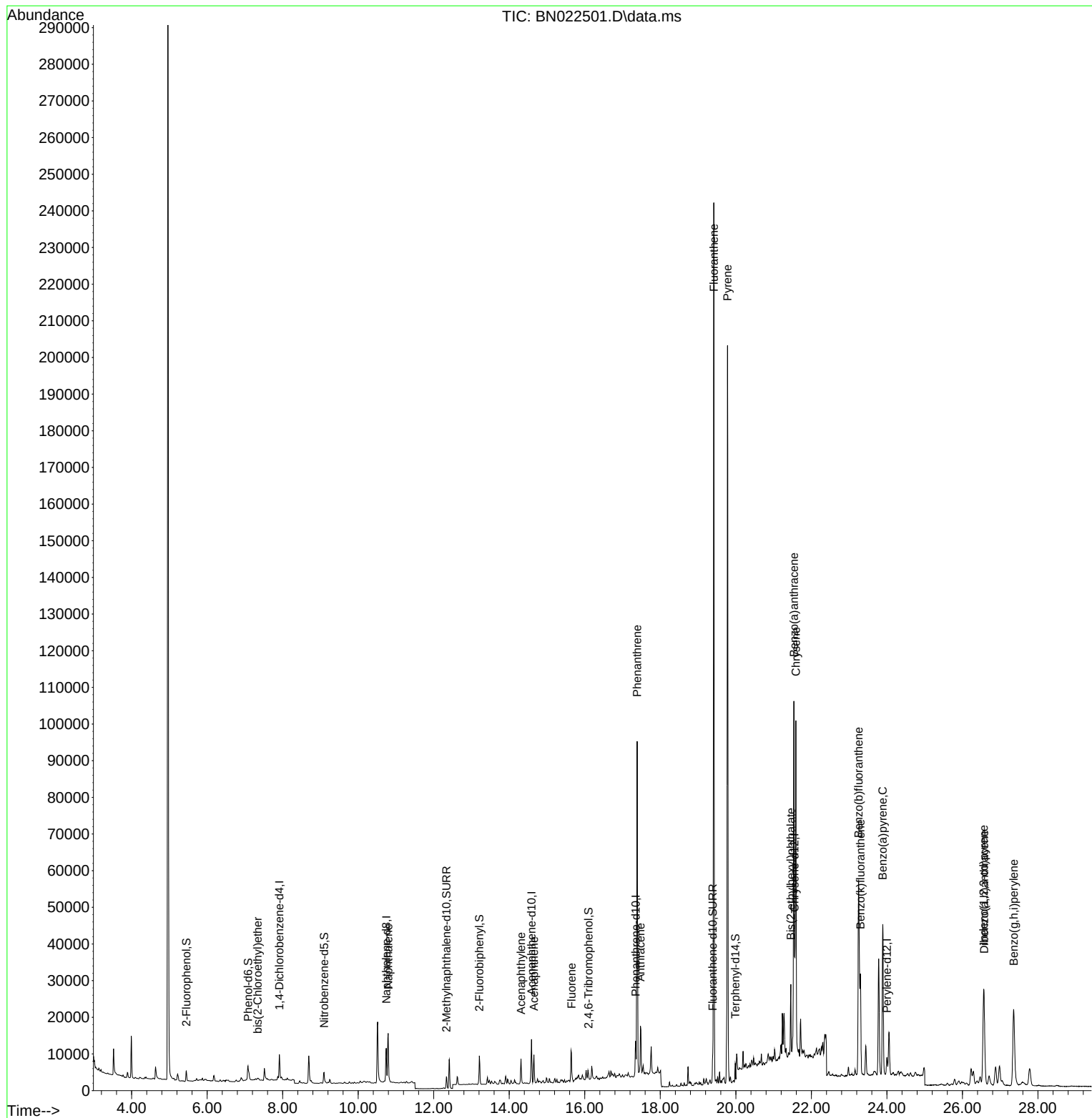
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
Data File : BN022501.D
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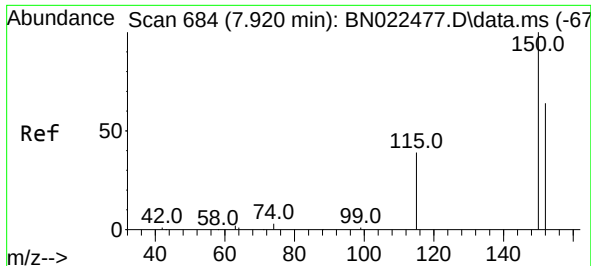
Instrument :
BNA_N
ClientSampleId :
S-4-103122

Quant Time: Nov 04 07:34:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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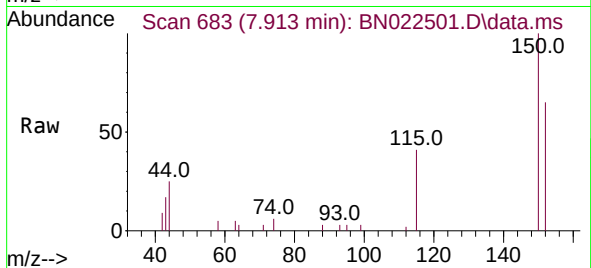
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.913 min Scan# 684
Delta R.T. -0.007 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

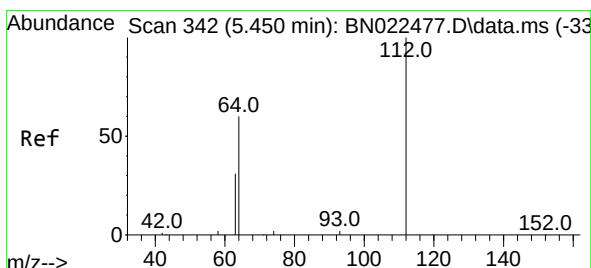
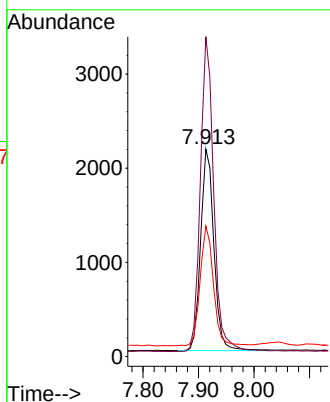
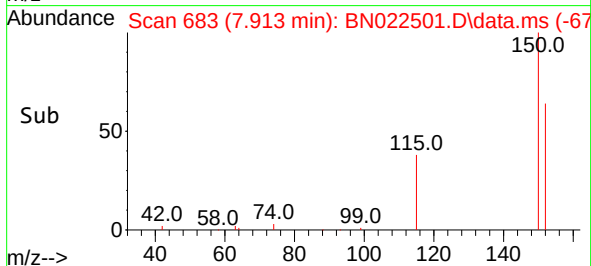
Instrument :
BNA_N
ClientSampleId :
S-4-103122



Tgt Ion:152 Resp: 3568
Ion Ratio Lower Upper
152 100
150 154.3 123.4 185.2
115 63.0 54.9 82.3

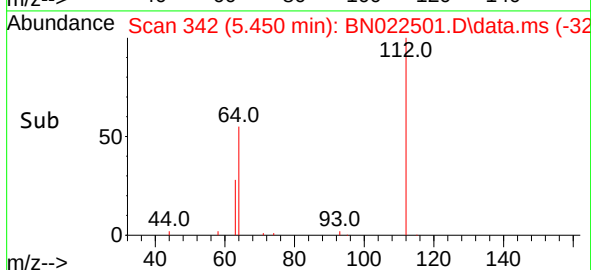
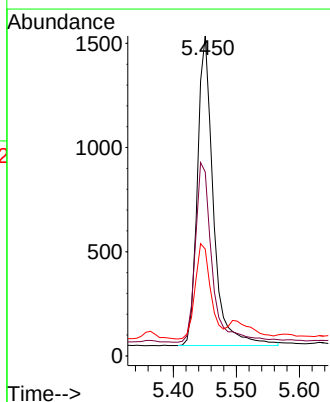
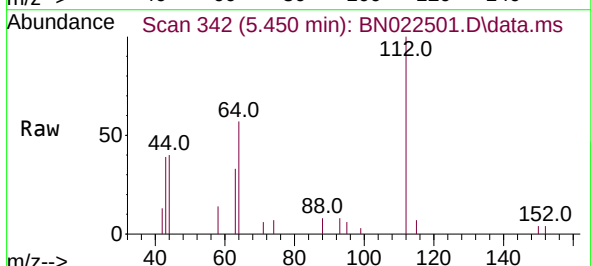
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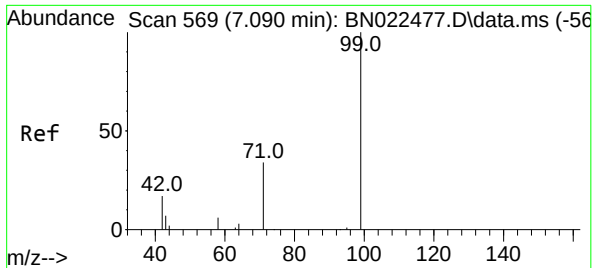
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#4
2-Fluorophenol
Concen: 0.259 ng
RT: 5.450 min Scan# 342
Delta R.T. 0.000 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion:112 Resp: 2609
Ion Ratio Lower Upper
112 100
64 61.0 47.1 70.7
63 30.0 24.6 36.8





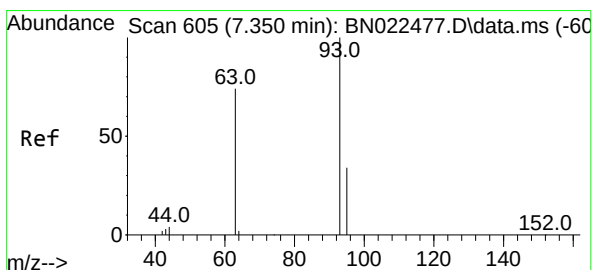
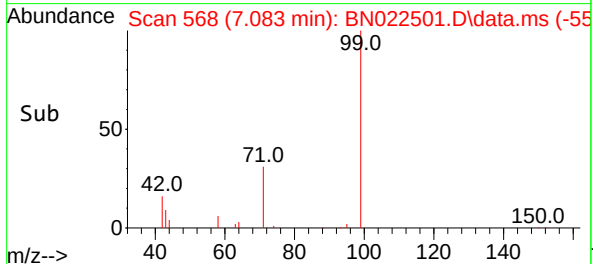
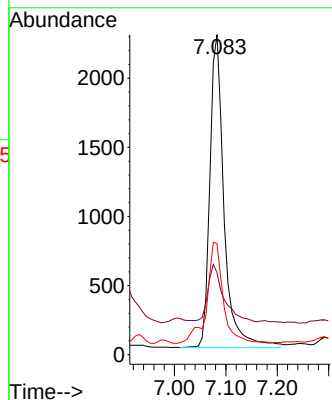
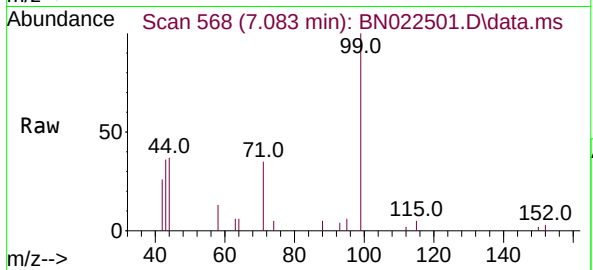
#5
Phenol-d6
Concen: 0.342 ng
RT: 7.083 min Scan# 50
Delta R.T. -0.007 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Instrument :
BNA_N
ClientSampleId :
S-4-103122

Tgt Ion: 99 Resp: 4345
Ion Ratio Lower Upper
99 100
42 19.8 14.7 22.1
71 37.9 27.0 40.6

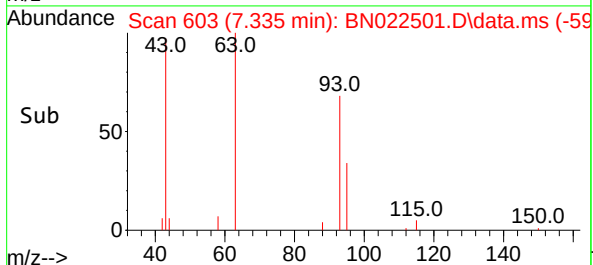
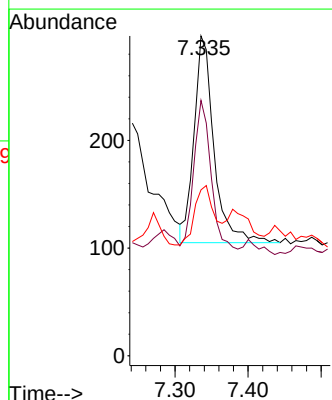
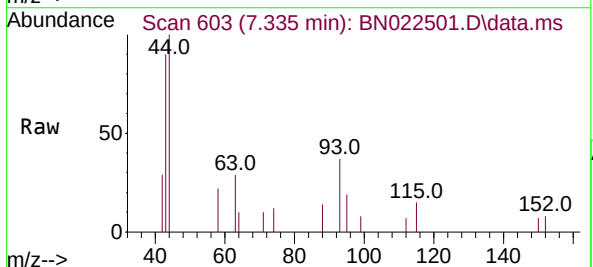
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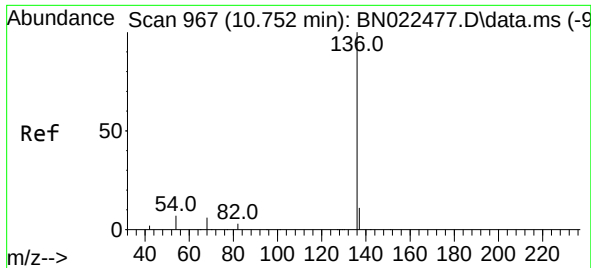
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#6
bis(2-Chloroethyl)ether
Concen: 0.032 ng
RT: 7.335 min Scan# 603
Delta R.T. -0.014 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion: 93 Resp: 365
Ion Ratio Lower Upper
93 100
63 61.4 61.2 91.8
95 28.2 25.7 38.5





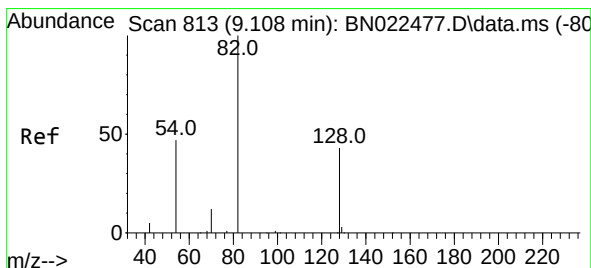
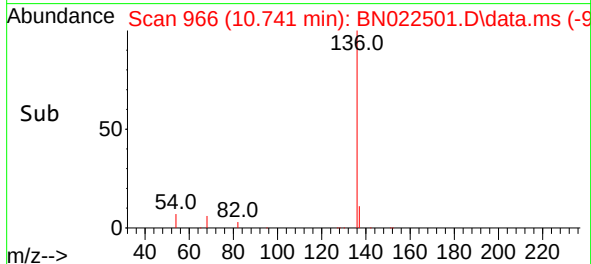
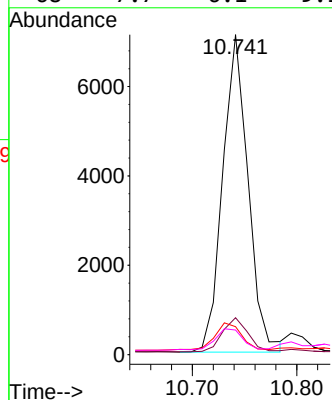
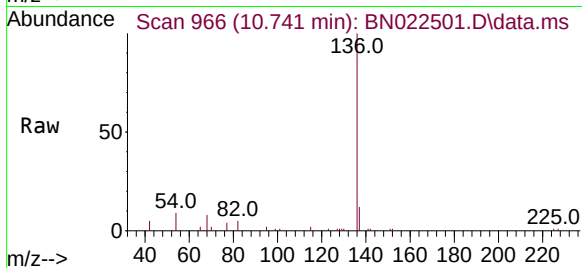
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 90
Delta R.T. -0.011 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Instrument :
BNA_N
ClientSampleId :
S-4-103122

Tgt Ion:	136	Resp:	1203
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	8.7	7.1	10.7
68	7.7	6.1	9.1

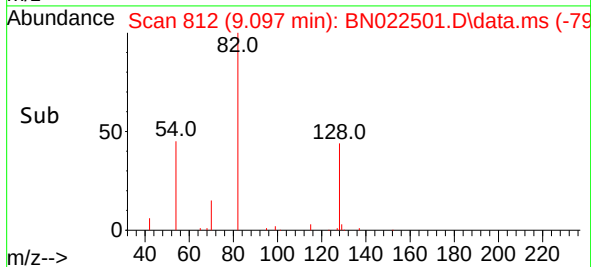
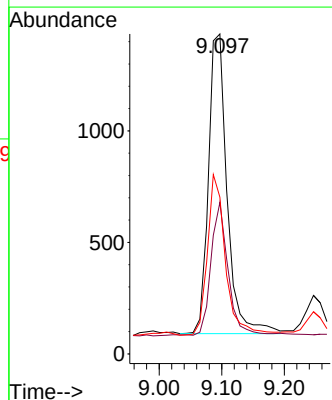
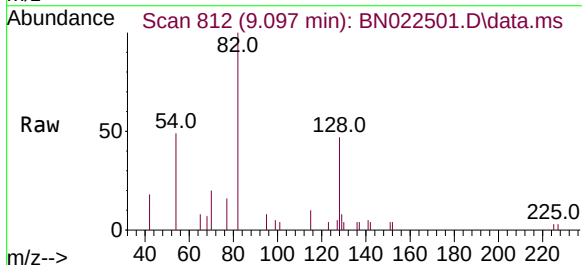
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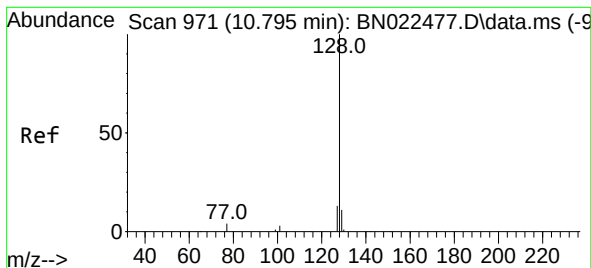
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#8
Nitrobenzene-d5
Concen: 0.257 ng
RT: 9.097 min Scan# 812
Delta R.T. -0.011 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion:	82	Resp:	2791
Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.3	55.9
54	49.0	40.0	60.0





#9

Naphthalene

Concen: 0.472 ng

RT: 10.795 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN022501.D

Acq: 04 Nov 2022 06:59

Instrument :

BNA_N

ClientSampleId :

S-4-103122

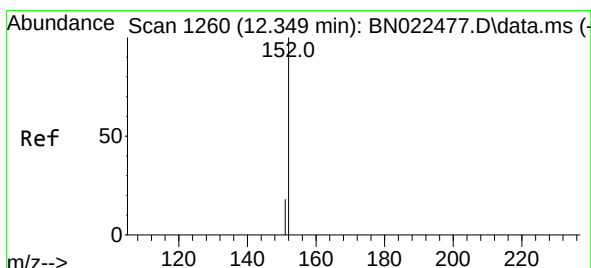
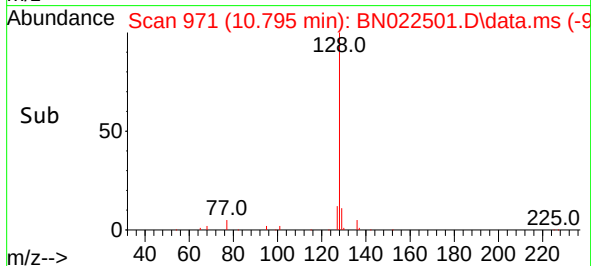
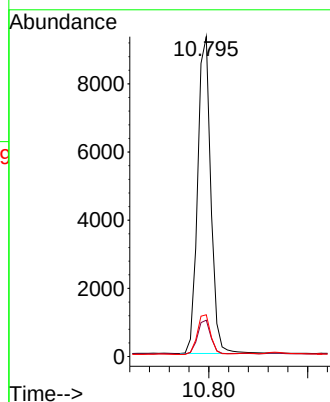
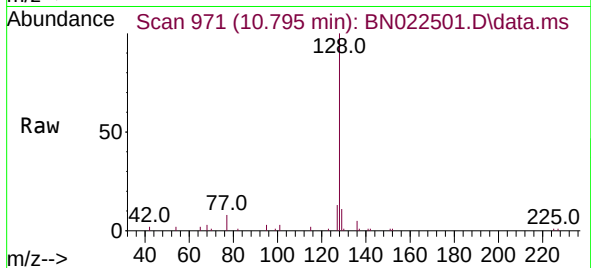
Tgt Ion:	128	Resp:	1719
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.8	14.6
127	13.1	11.4	17.2

Manual Integrations

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Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#11

2-Methylnaphthalene-d10

Concen: 0.226 ng

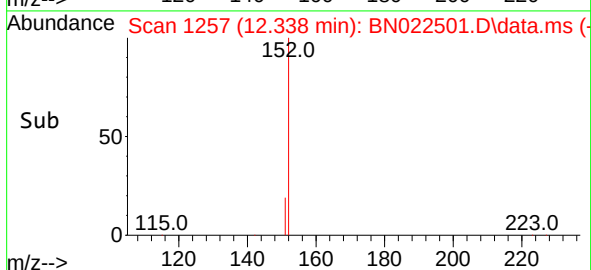
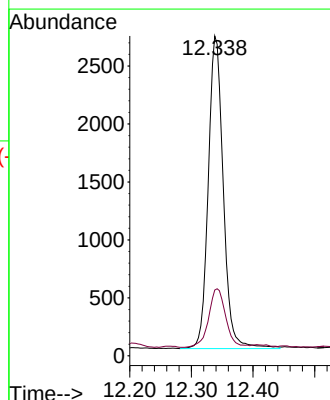
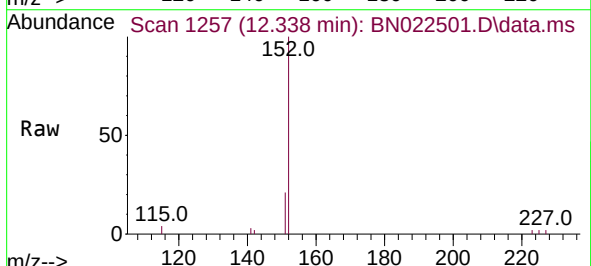
RT: 12.338 min Scan# 1257

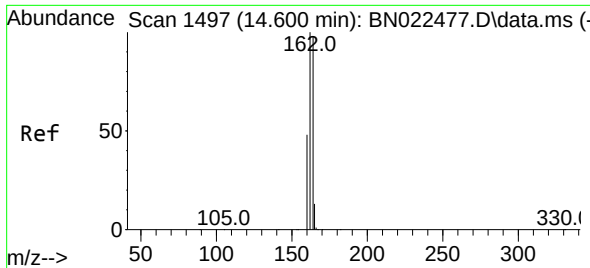
Delta R.T. -0.011 min

Lab File: BN022501.D

Acq: 04 Nov 2022 06:59

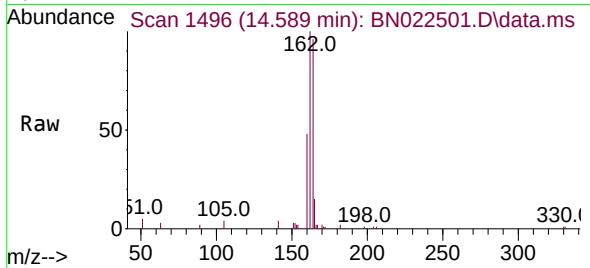
Tgt Ion:	152	Resp:	4564
Ion Ratio	Lower	Upper	
152	100		
151	21.5	16.6	25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

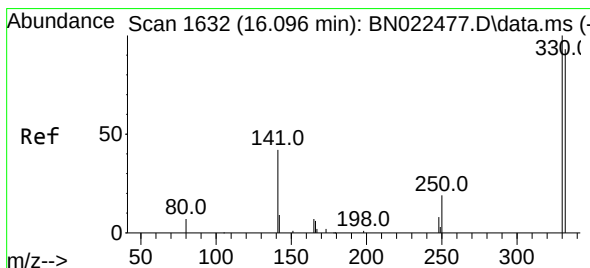
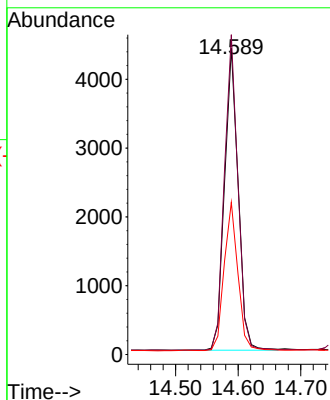
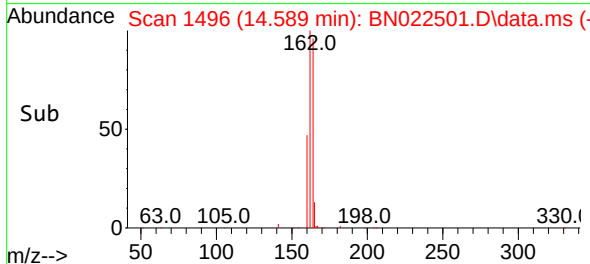
Instrument :
BNA_N
ClientSampleId :
S-4-103122



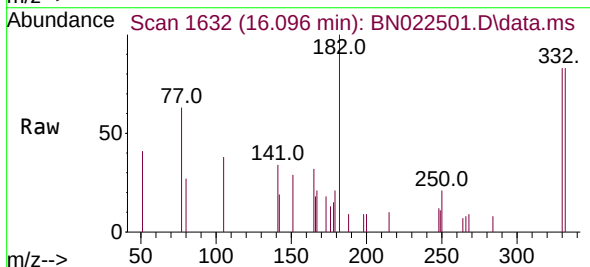
Tgt Ion:164 Resp: 6649
Ion Ratio Lower Upper
164 100
162 104.4 82.0 123.0
160 49.7 39.4 59.2

Manual Integrations
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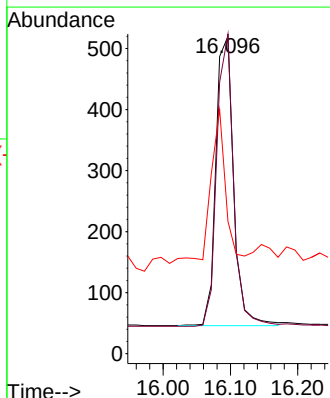
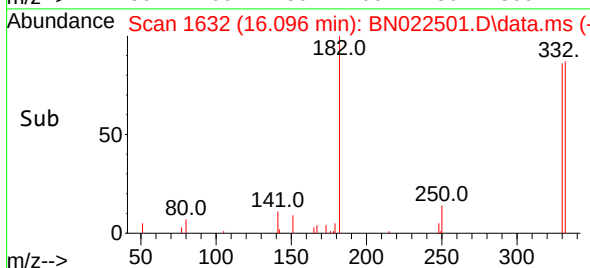
Reviewed By :Christian Giraldo 11/04/2022
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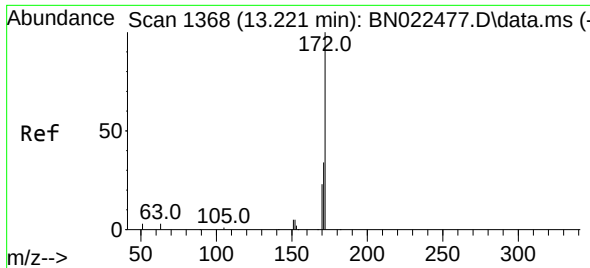


#14
2,4,6-Tribromophenol
Concen: 0.248 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59



Tgt Ion:330 Resp: 866
Ion Ratio Lower Upper
330 100
332 96.2 77.8 116.8
141 45.3 35.0 52.6





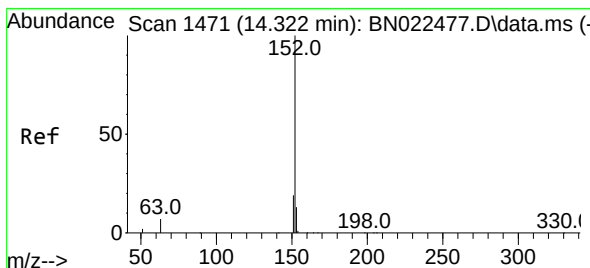
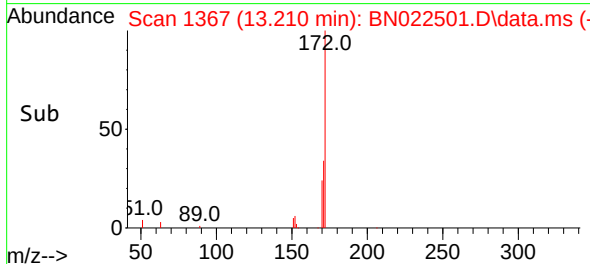
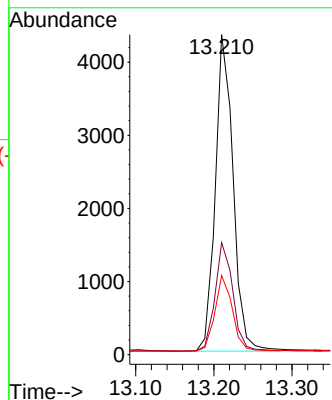
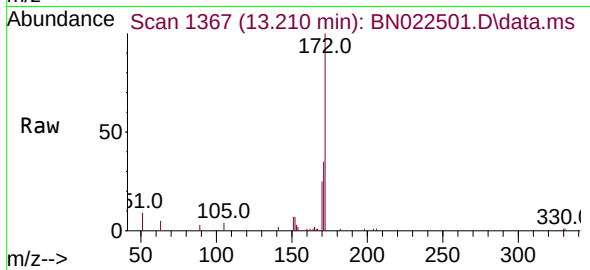
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2-Fluorobiphenyl
Concen: 0.248 ng
RT: 13.210 min Scan# 1368
Delta R.T. -0.011 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Instrument :
BNA_N
ClientSampleId :
S-4-103122

Tgt Ion:172 Resp: 6862
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 24.7 19.2 28.8

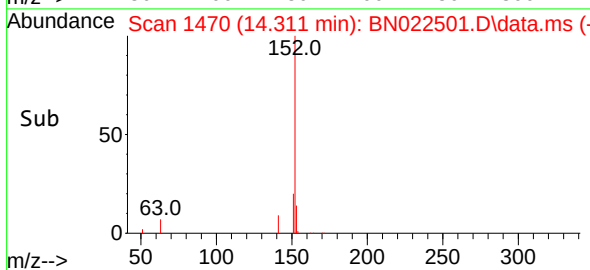
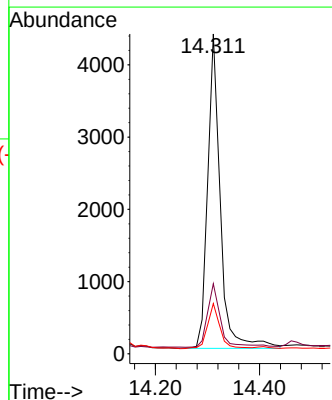
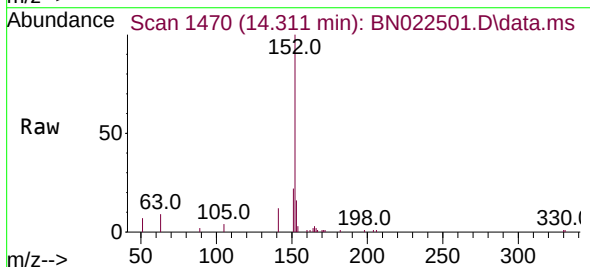
Manual Integrations
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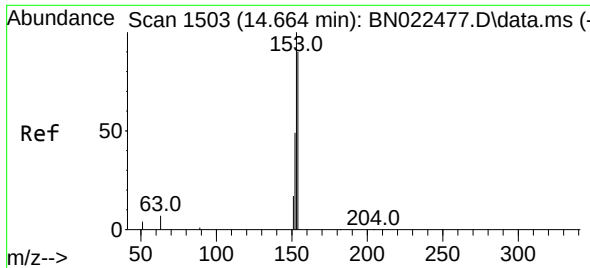
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#16
Acenaphthylene
Concen: 0.218 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.011 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion:152 Resp: 7358
Ion Ratio Lower Upper
152 100
151 21.1 15.8 23.6
153 14.0 10.3 15.5





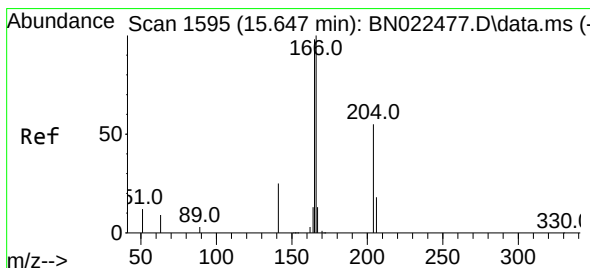
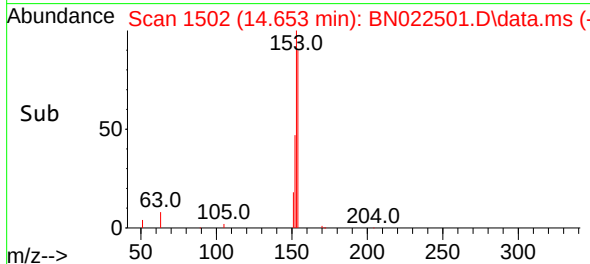
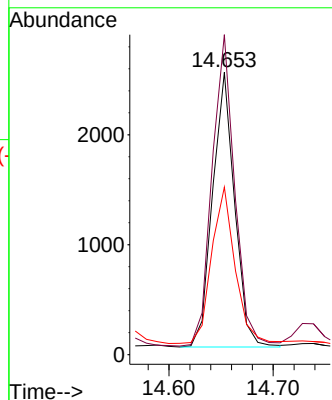
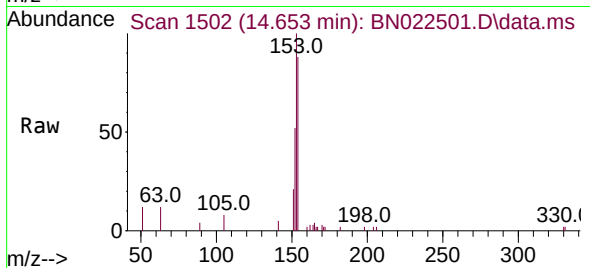
#17
Acenaphthene
Concen: 0.169 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Instrument :
BNA_N
ClientSampleId :
S-4-103122

Tgt Ion:154 Resp: 3678
Ion Ratio Lower Upper
154 100
153 116.3 91.8 137.8
152 60.5 45.7 68.5

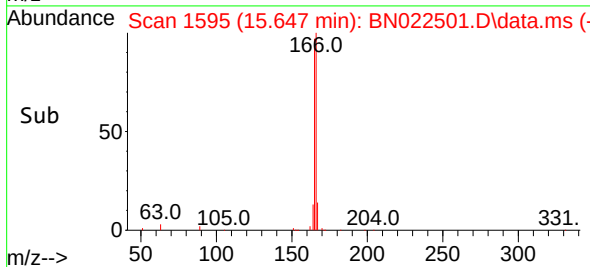
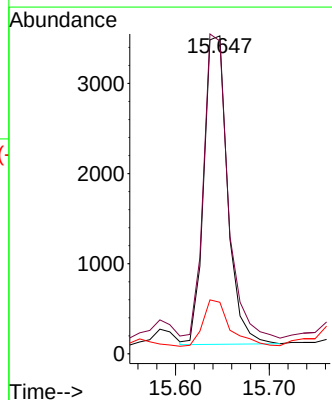
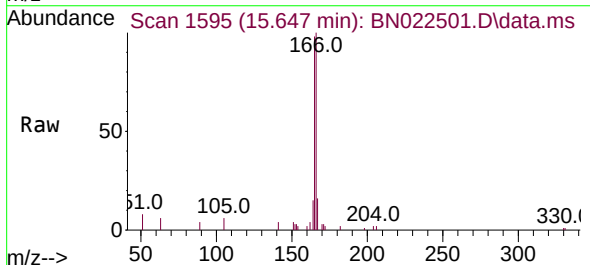
Manual Integrations
APPROVED

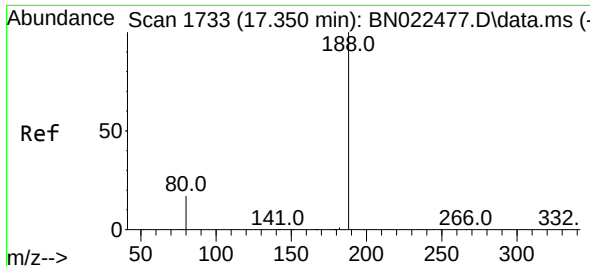
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#18
Fluorene
Concen: 0.198 ng
RT: 15.647 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

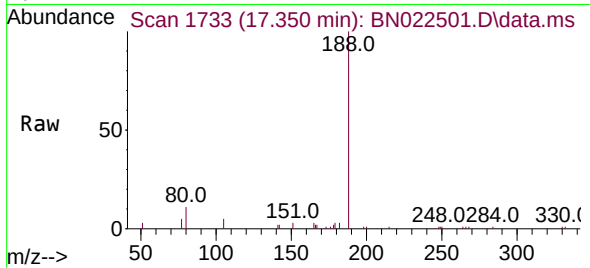
Tgt Ion:166 Resp: 6020
Ion Ratio Lower Upper
166 100
165 101.2 78.7 118.1
167 17.2 10.2 15.2#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

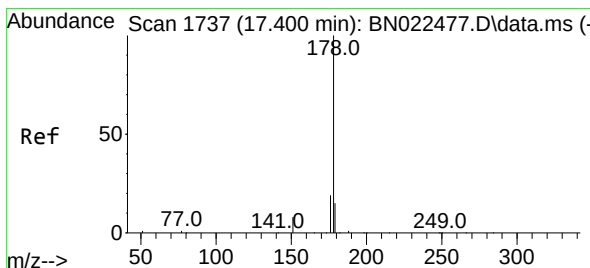
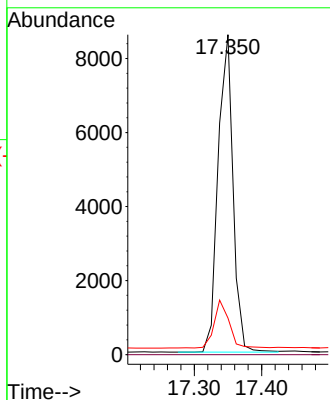
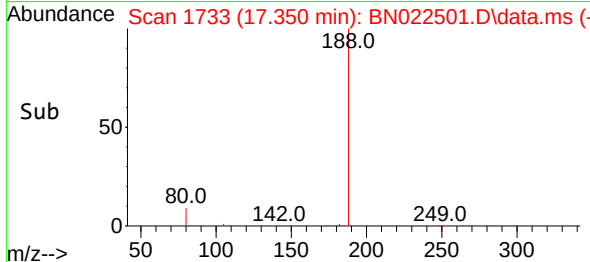
Instrument :
BNA_N
ClientSampleId :
S-4-103122



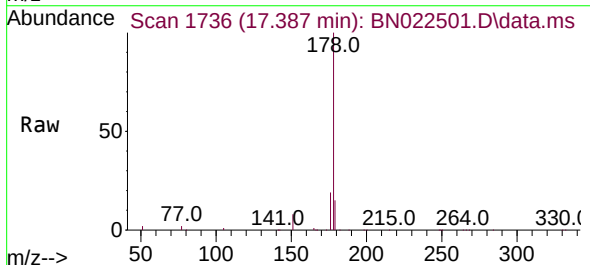
Tgt Ion:188 Resp: 13279
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 14.6 21.8

Manual Integrations
APPROVED

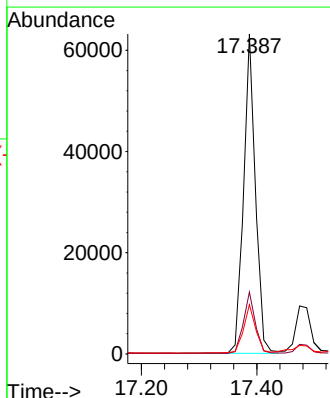
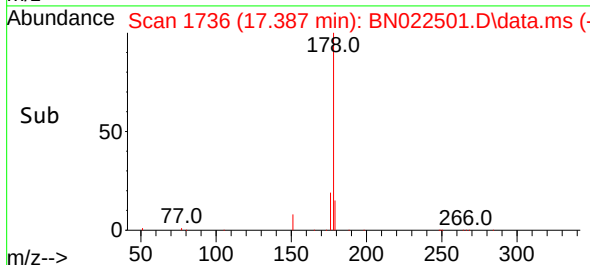
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

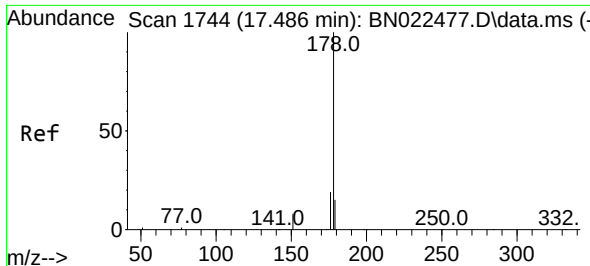


#25
Phenanthrene
Concen: 2.024 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59



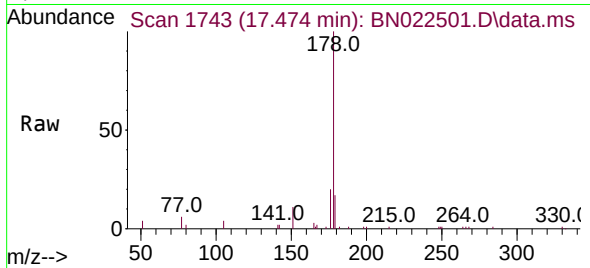
Tgt Ion:178 Resp: 89847
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.5 12.2 18.4





#26
 Anthracene
 Concen: 0.405 ng
 RT: 17.474 min Scan# 1743
 Delta R.T. -0.012 min
 Lab File: BN022501.D
 Acq: 04 Nov 2022 06:59

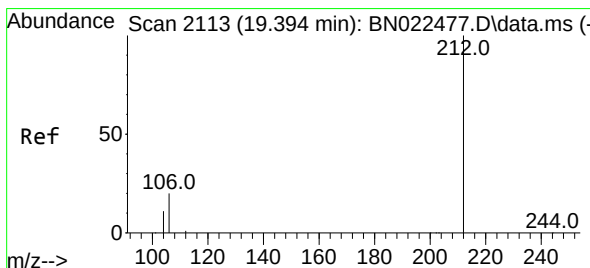
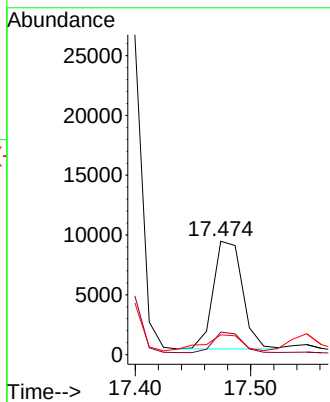
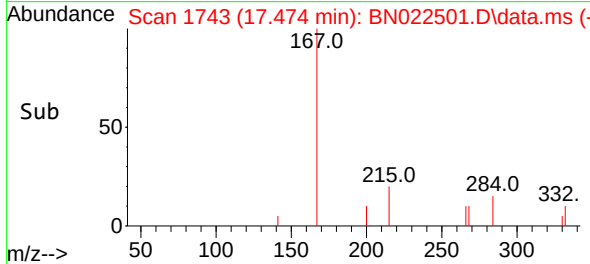
Instrument :
 BNA_N
 ClientSampleId :
 S-4-103122



Tgt Ion:178 Resp: 15822
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.8 22.2
 179 18.5 12.2 18.2

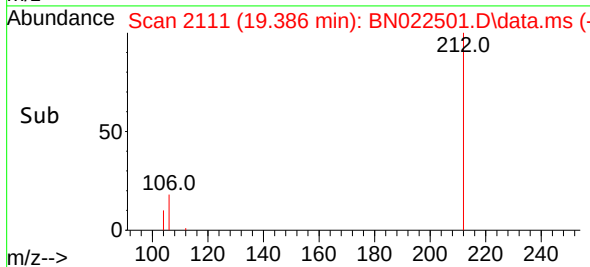
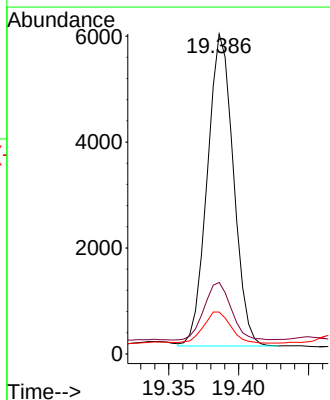
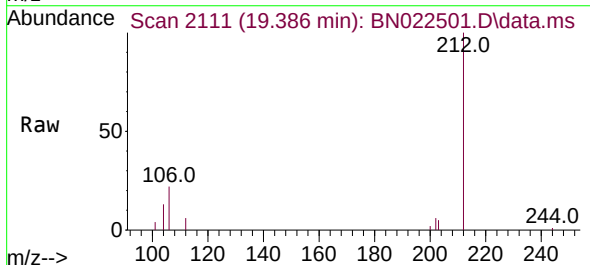
Manual Integrations
 APPROVED

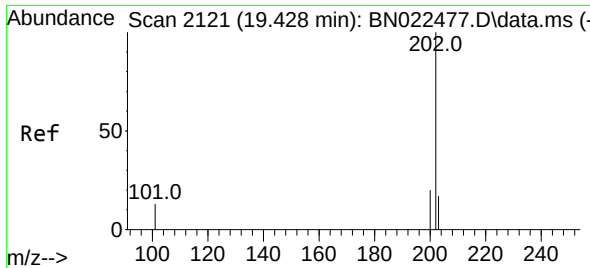
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022



#27
 Fluoranthene-d10
 Concen: 0.211 ng
 RT: 19.386 min Scan# 2111
 Delta R.T. -0.008 min
 Lab File: BN022501.D
 Acq: 04 Nov 2022 06:59

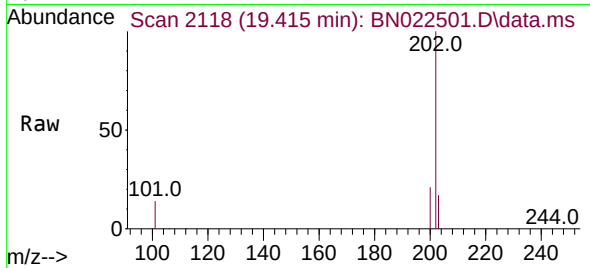
Tgt Ion:212 Resp: 7644
 Ion Ratio Lower Upper
 212 100
 106 19.1 15.2 22.8
 104 10.7 8.6 12.8





#28
Fluoranthene
Concen: 4.343 ng
RT: 19.415 min Scan# 2118
Delta R.T. -0.013 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

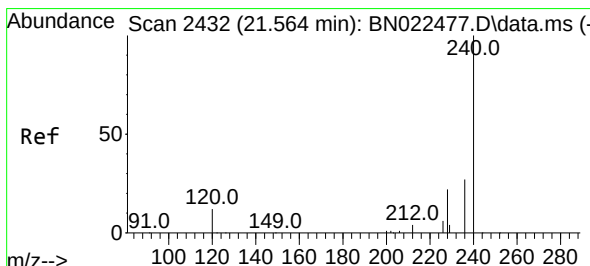
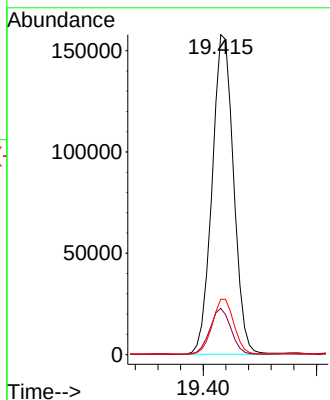
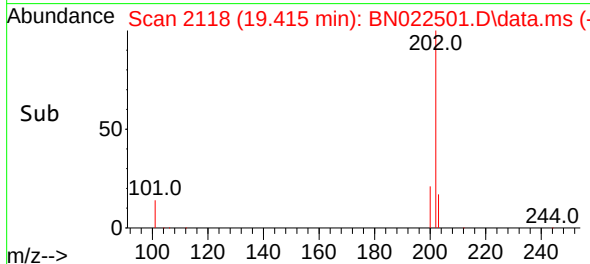
Instrument :
BNA_N
ClientSampleId :
S-4-103122



Tgt Ion:202 Resp: 207728
Ion Ratio Lower Upper
202 100
101 14.0 11.2 16.8
203 17.3 13.6 20.4

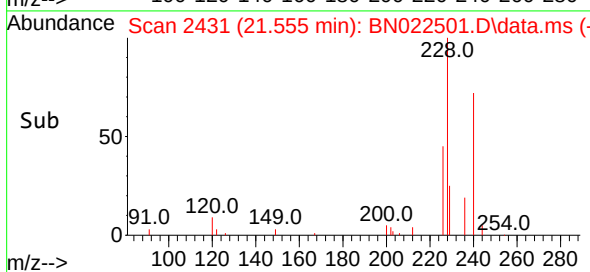
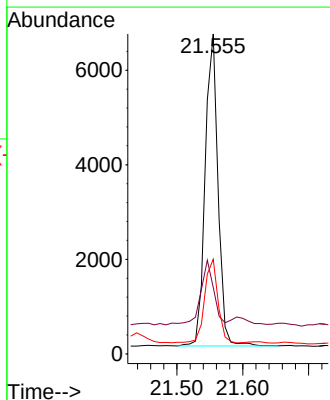
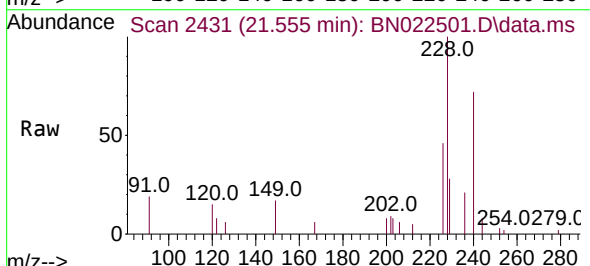
Manual Integrations
APPROVED

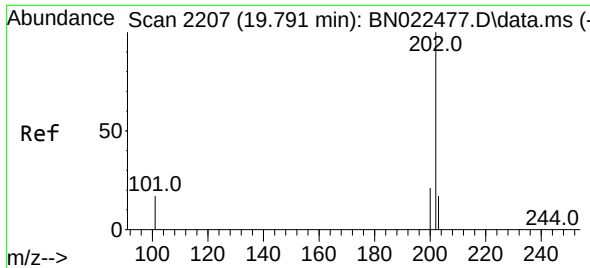
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2431
Delta R.T. -0.009 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion:240 Resp: 8924
Ion Ratio Lower Upper
240 100
120 20.8 12.4 18.6#
236 29.6 22.7 34.1





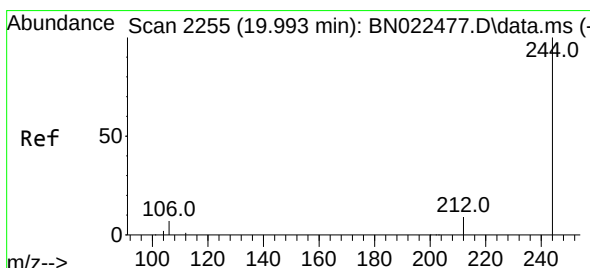
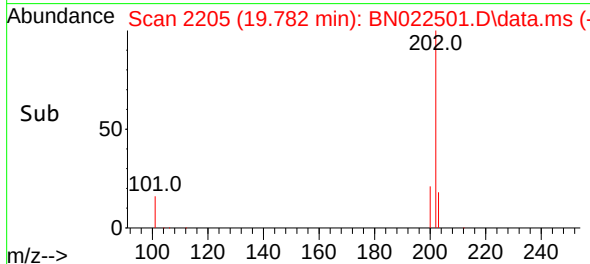
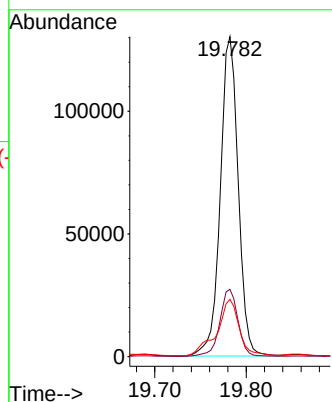
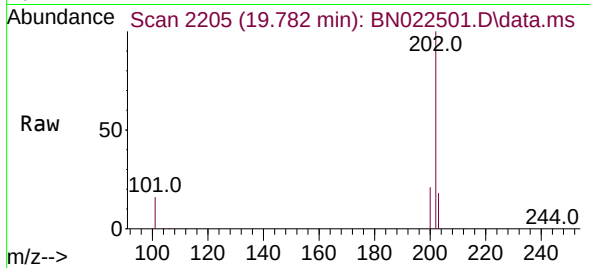
#30
 Pyrene
 Concen: 4.607 ng
 RT: 19.782 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BN022501.D
 Acq: 04 Nov 2022 06:59

Instrument :
 BNA_N
 ClientSampleId :
 S-4-103122

Tgt Ion:202 Resp: 177513
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.0 25.4
 203 22.0 14.3 21.5

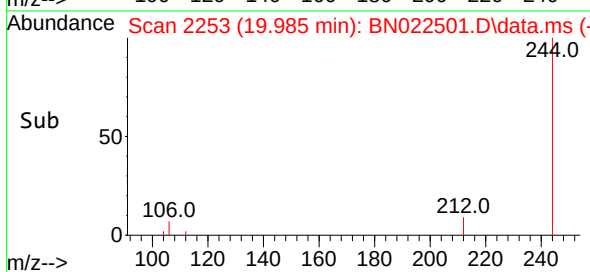
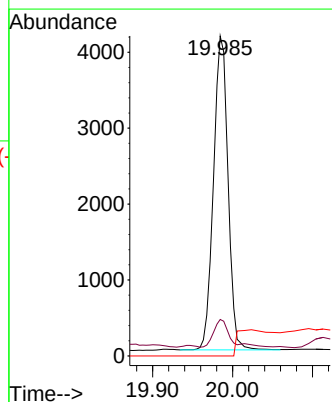
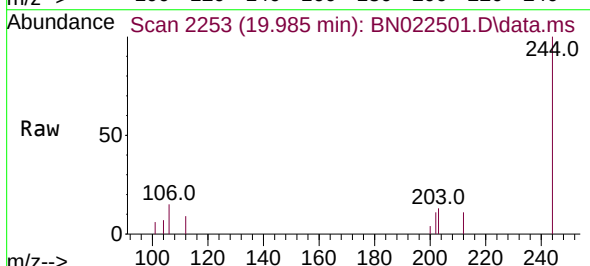
Manual Integrations
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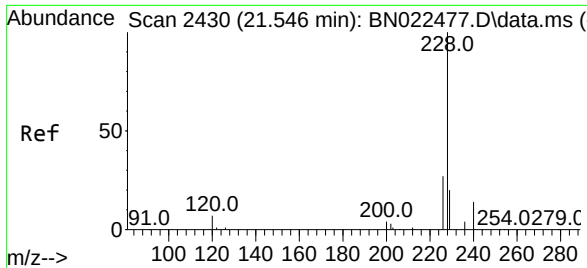
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022



#31
 Terphenyl-d14
 Concen: 0.240 ng
 RT: 19.985 min Scan# 2253
 Delta R.T. -0.008 min
 Lab File: BN022501.D
 Acq: 04 Nov 2022 06:59

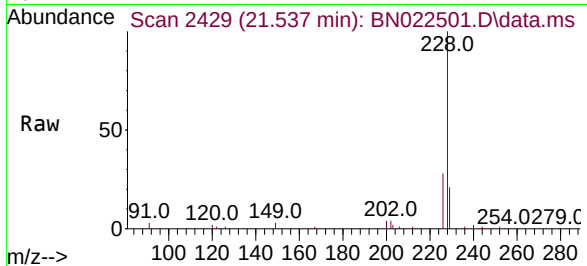
Tgt Ion:244 Resp: 6669
 Ion Ratio Lower Upper
 244 100
 212 11.4 7.8 11.8
 122 0.0 0.0 0.0





#32
Benzo(a)anthracene
Concen: 2.238 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

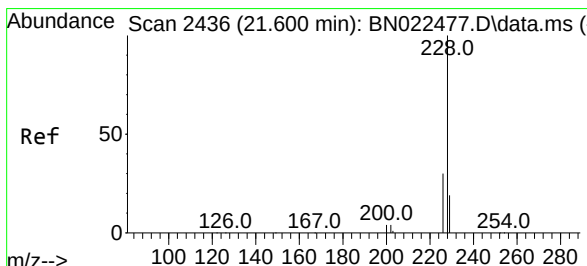
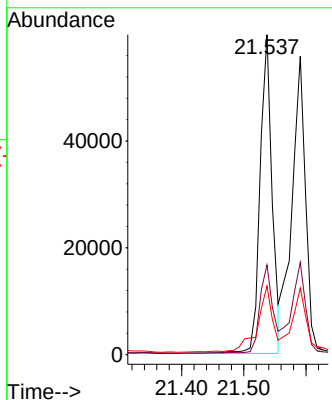
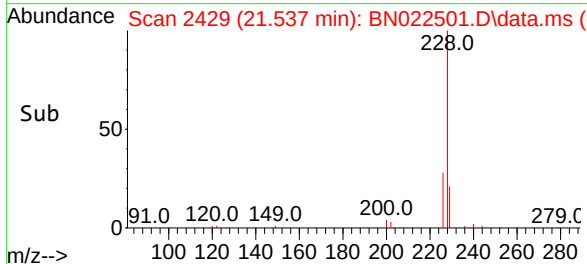
Instrument :
BNA_N
ClientSampleId :
S-4-103122



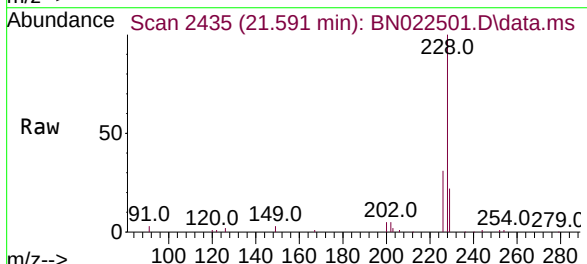
Tgt Ion:228 Resp: 80300
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 21.4 16.4 24.6

Manual Integrations
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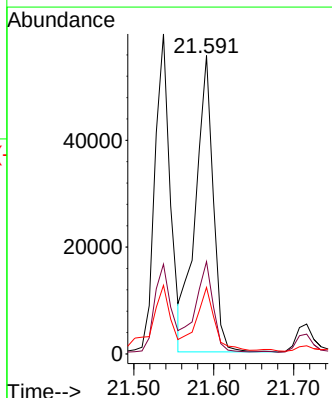
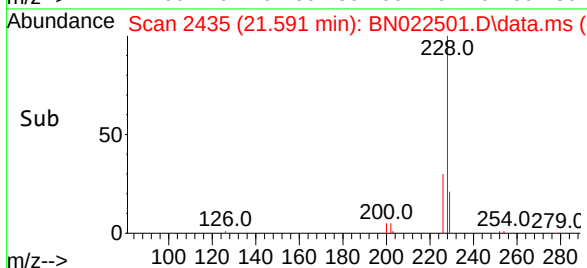
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

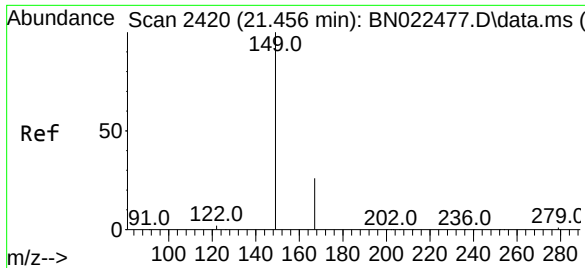


#33
Chrysene
Concen: 2.405 ng
RT: 21.591 min Scan# 2435
Delta R.T. -0.009 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59



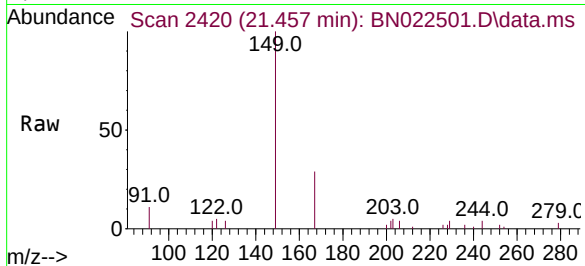
Tgt Ion:228 Resp: 85491
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 22.3 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.538 ng
RT: 21.457 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

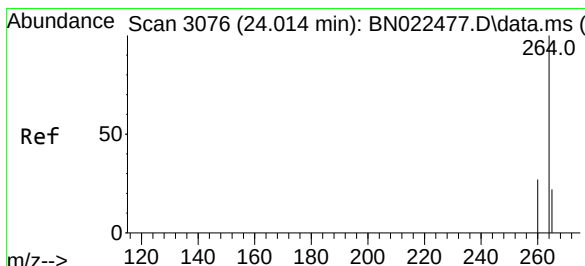
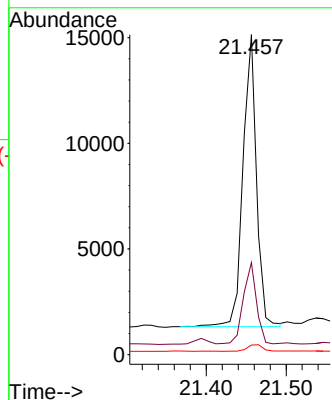
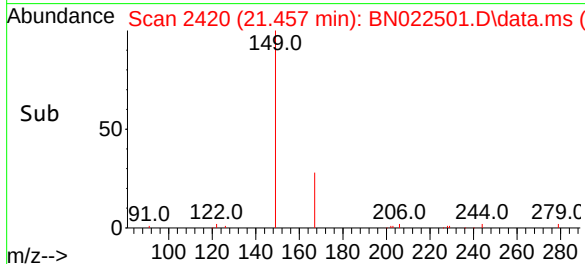
Instrument :
BNA_N
ClientSampleId :
S-4-103122



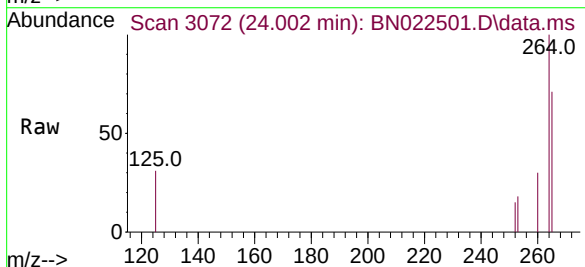
Tgt Ion:149 Resp: 1627
Ion Ratio Lower Upper
149 100
167 26.9 21.3 31.9
279 2.6 2.7 4.1

Manual Integrations
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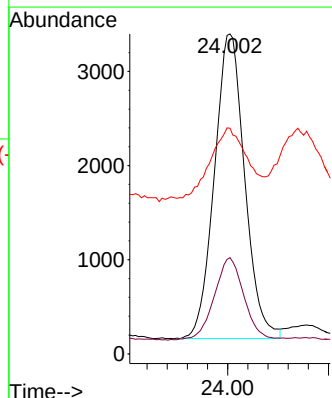
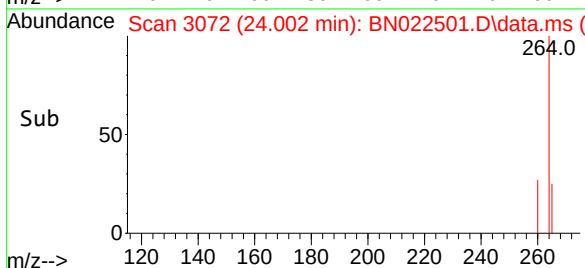
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

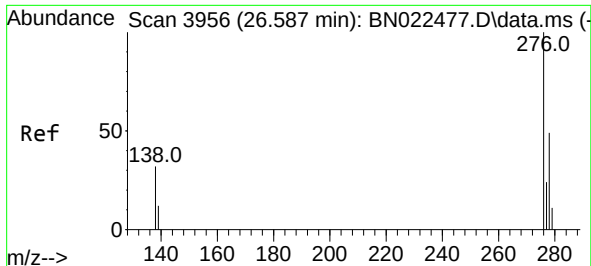


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.002 min Scan# 3072
Delta R.T. -0.012 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59



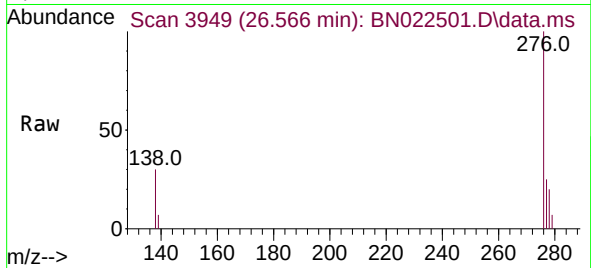
Tgt Ion:264 Resp: 6750
Ion Ratio Lower Upper
264 100
260 30.1 22.4 33.6
265 70.5 44.4 66.6





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.390 ng
RT: 26.566 min Scan# 3956
Delta R.T. -0.020 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

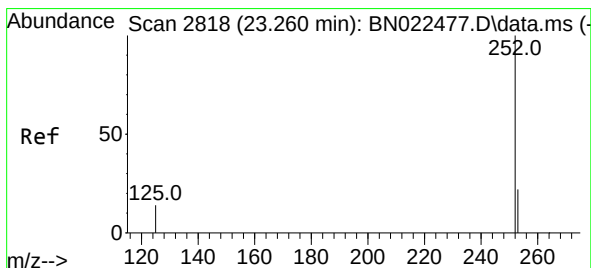
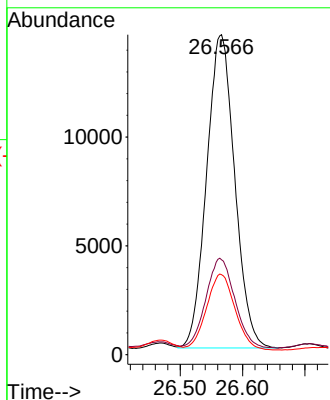
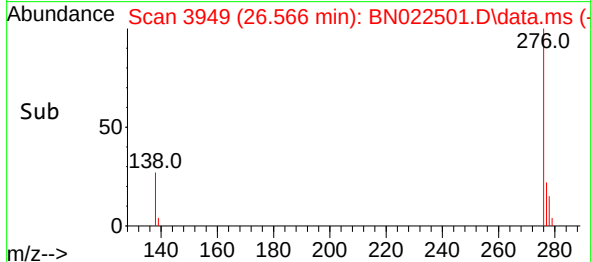
Instrument :
BNA_N
ClientSampleId :
S-4-103122



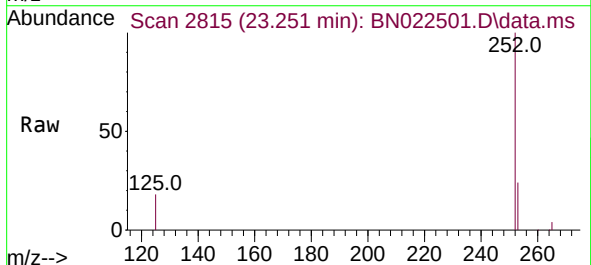
Tgt Ion:276 Resp: 45183
Ion Ratio Lower Upper
276 100
138 29.5 27.5 41.3
277 24.6 19.8 29.6

Manual Integrations
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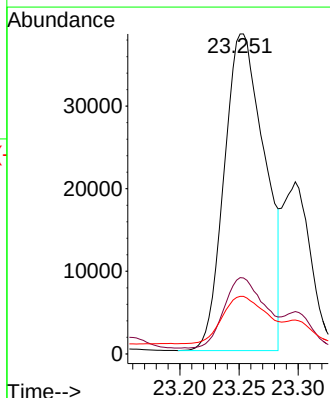
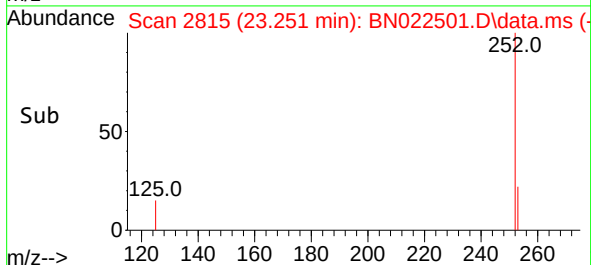
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

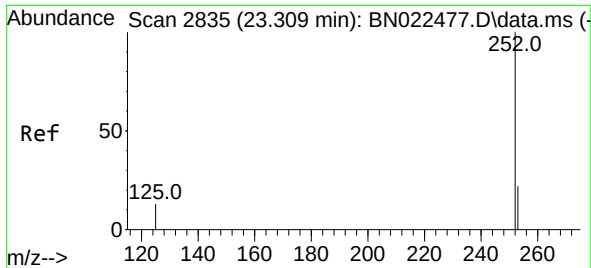


#37
Benzo(b)fluoranthene
Concen: 3.446 ng
RT: 23.251 min Scan# 2815
Delta R.T. -0.009 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59



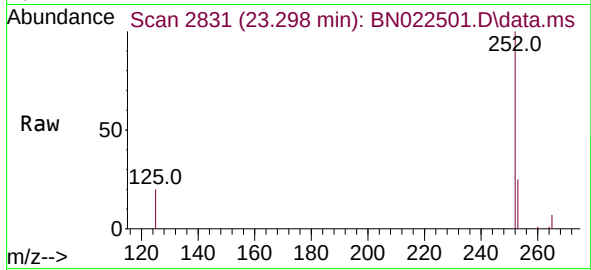
Tgt Ion:252 Resp: 91459
Ion Ratio Lower Upper
252 100
253 23.8 21.1 31.7
125 18.0 16.8 25.2





#38
Benzo(k)fluoranthene
Concen: 1.247 ng m
RT: 23.298 min Scan# 2835
Delta R.T. -0.012 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

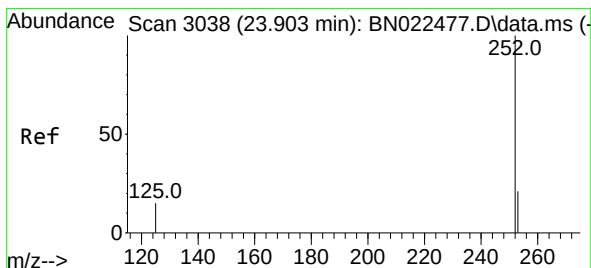
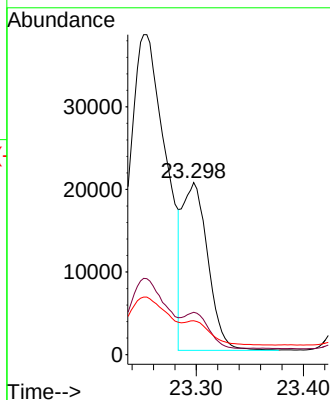
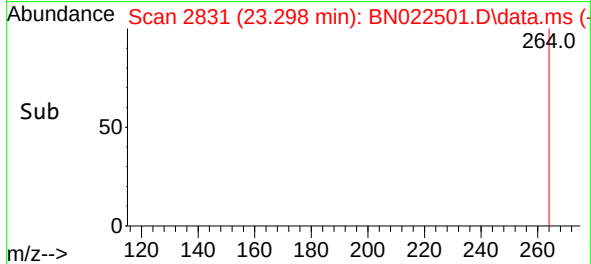
Instrument :
BNA_N
ClientSampleId :
S-4-103122



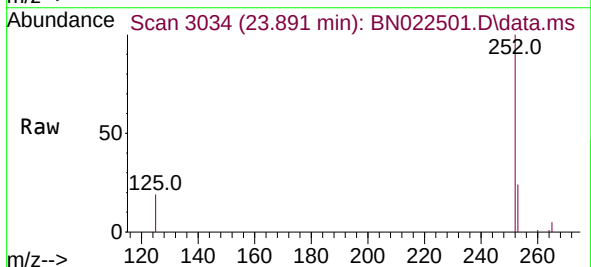
Tgt Ion:252 Resp: 33748
Ion Ratio Lower Upper
252 100
253 24.6 20.9 31.3
125 19.6 16.1 24.1

Manual Integrations
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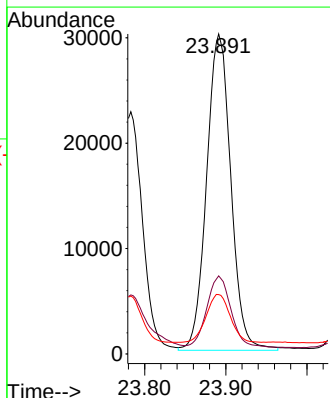
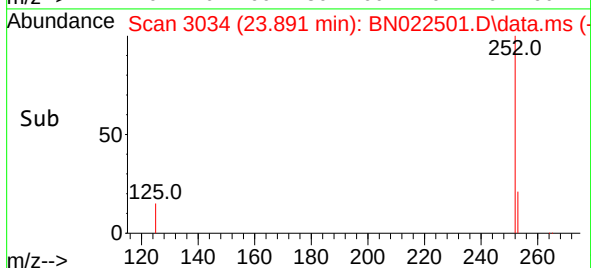
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

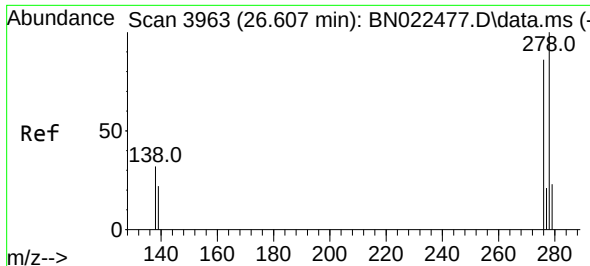


#39
Benzo(a)pyrene
Concen: 2.744 ng m
RT: 23.891 min Scan# 3034
Delta R.T. -0.012 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59



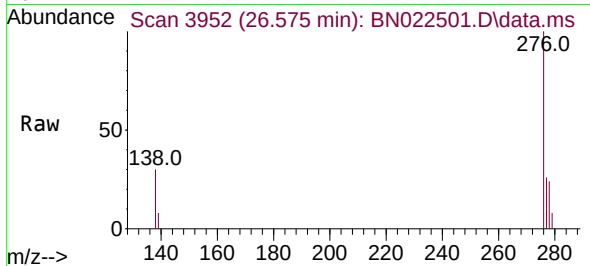
Tgt Ion:252 Resp: 62378
Ion Ratio Lower Upper
252 100
253 24.4 22.0 33.0
125 18.5 19.8 29.8#





#40
Dibenzo(a,h)anthracene
Concen: 0.430 ng
RT: 26.575 min Scan# 3963
Delta R.T. -0.032 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

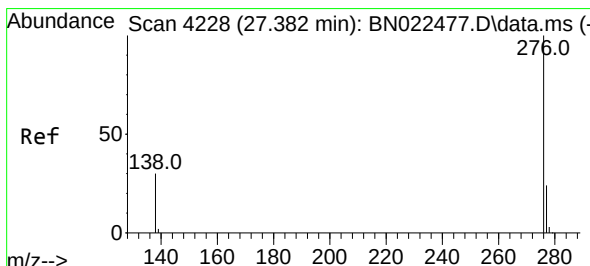
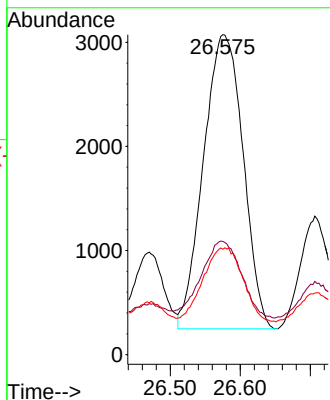
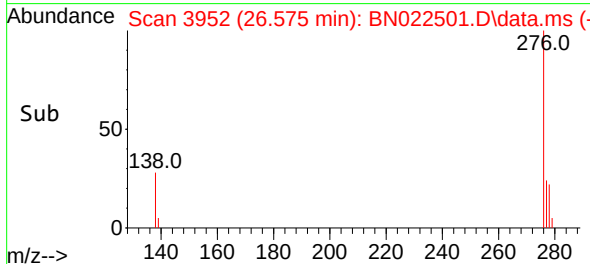
Instrument :
BNA_N
ClientSampleId :
S-4-103122



Tgt Ion:278 Resp: 11114
Ion Ratio Lower Upper
278 100
139 35.4 21.8 32.6
279 33.0 21.5 32.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#41
Benzo(g,h,i)perylene
Concen: 1.655 ng
RT: 27.359 min Scan# 4220
Delta R.T. -0.023 min
Lab File: BN022501.D
Acq: 04 Nov 2022 06:59

Tgt Ion:276 Resp: 45460
Ion Ratio Lower Upper
276 100
277 24.4 21.0 31.4
138 30.0 26.0 39.0

