

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
 Data File : BN022518.D
 Acq On : 04 Nov 2022 21:33
 Operator : CG/JU
 Sample : N5395-13DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/05/2022
 Supervised By : Jagrut Upadhyay 11/07/2022

Quant Time: Nov 05 01:59:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 03:28:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.913	152	4745	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	16610	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	9399	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	17526	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	7031	0.400	ng	# 0.00
35) Perylene-d12	24.002	264	8745	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.451	112	1654	0.123	ng	0.00
5) Phenol-d6	7.083	99	2822	0.167	ng	0.00
8) Nitrobenzene-d5	9.097	82	1755	0.117	ng	-0.01
11) 2-Methylnaphthalene-d10	12.338	152	2920	0.105	ng	-0.01
14) 2,4,6-Tribromophenol	16.096	330	581	0.118	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	4396	0.112	ng	-0.01
27) Fluoranthene-d10	19.386	212	2803	0.059	ng	0.00
31) Terphenyl-d14	19.985	244	2556	0.117	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.795	128	16102	0.320	ng	99
16) Acenaphthylene	14.311	152	11186	0.234	ng	99
17) Acenaphthene	14.653	154	9721	0.316	ng	100
18) Fluorene	15.647	166	13505	0.313	ng	# 97
25) Phenanthrene	17.387	178	189305	3.232	ng	100
26) Anthracene	17.487	178	44145	0.857	ng	# 95
28) Fluoranthene	19.420	202	224832	3.561	ng	99
30) Pyrene	19.782	202	185941	6.125	ng	# 95
32) Benzo(a)anthracene	21.537	228	82004	2.900	ng	98
33) Chrysene	21.591	228	83051	2.966	ng	98
34) Bis(2-ethylhexyl)phtha...	21.457	149	8397	0.353	ng	98
36) Indeno(1,2,3-cd)pyrene	26.566	276	79431	1.886	ng	95
37) Benzo(b)fluoranthene	23.254	252	114752	3.337	ng	# 94
38) Benzo(k)fluoranthene	23.298	252	46842m	1.336	ng	
39) Benzo(a)pyrene	23.891	252	91029m	3.091	ng	
40) Dibenzo(a,h)anthracene	26.581	278	19349	0.578	ng	# 85
41) Benzo(g,h,i)perylene	27.362	276	78641	2.210	ng	98

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

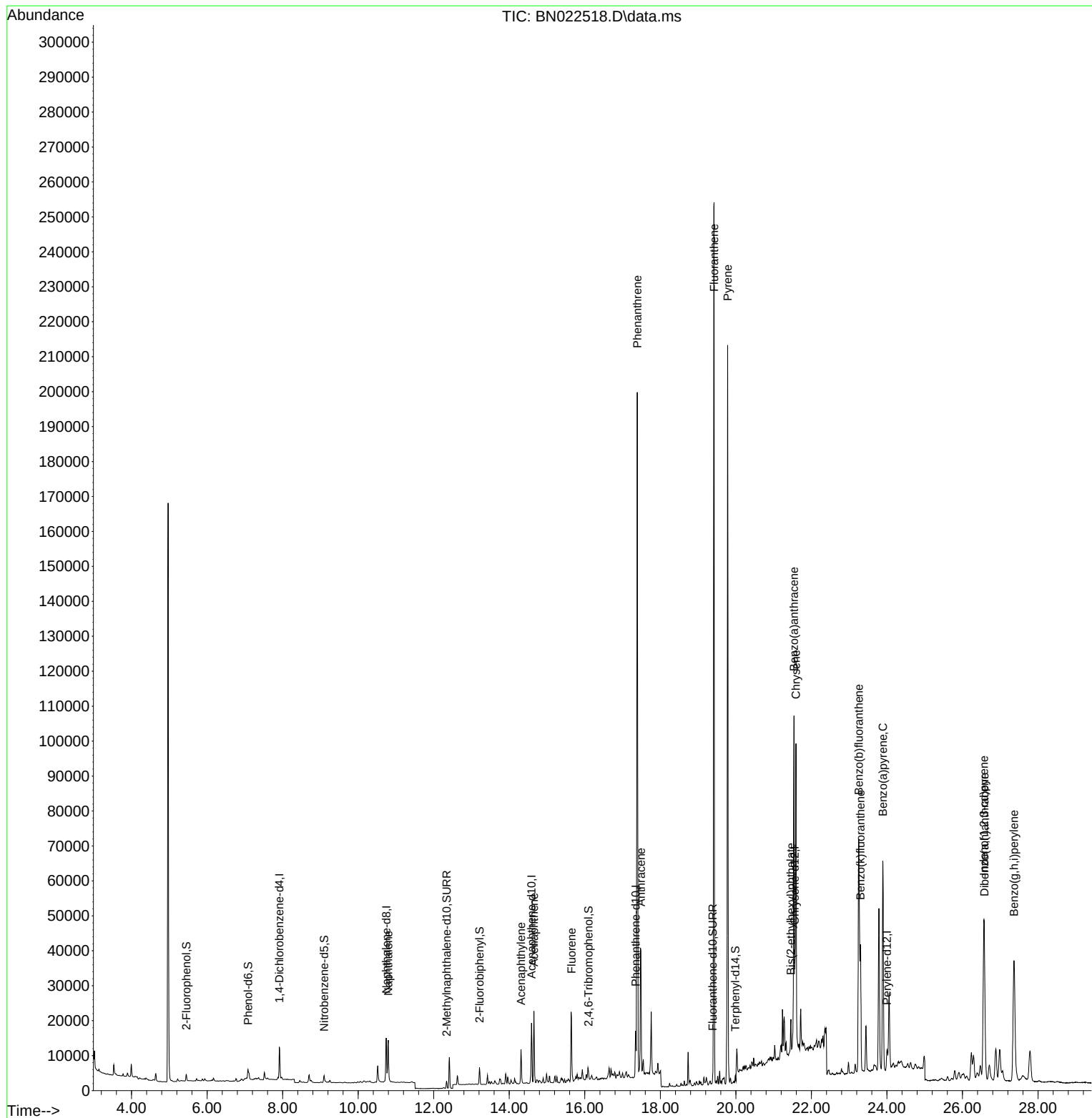
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
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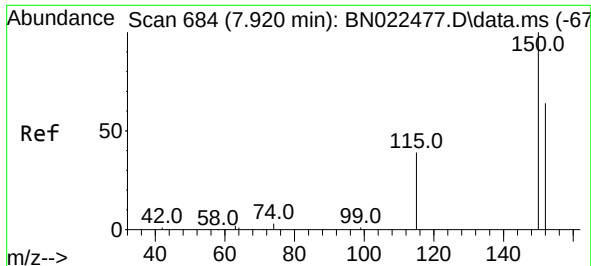
Instrument :
BNA_N
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S-13-103122DL

Quant Time: Nov 05 01:59:29 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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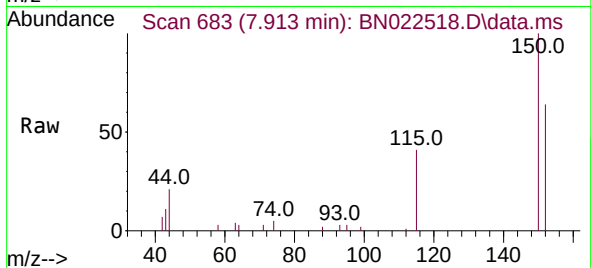
Reviewed By : Christian Giraldo 11/05/2022
Supervised By : Jagrut Upadhyay 11/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.913 min Scan# 684
Delta R.T. -0.007 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

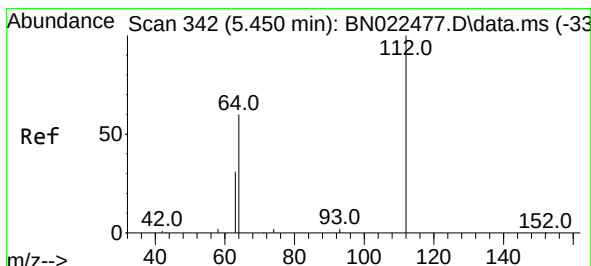
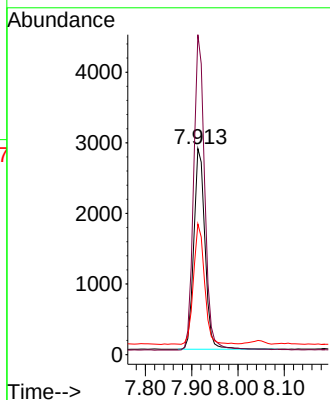
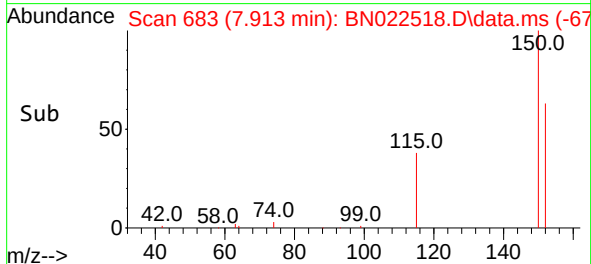
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL



Tgt Ion:152 Resp: 4745
Ion Ratio Lower Upper
152 100
150 155.3 123.4 185.2
115 63.4 54.9 82.3

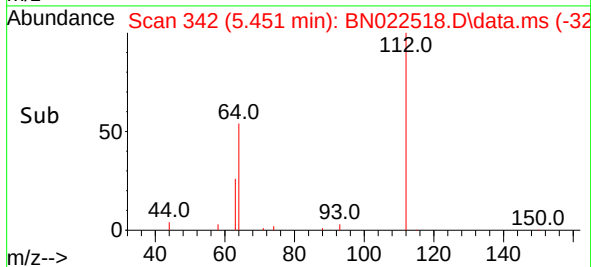
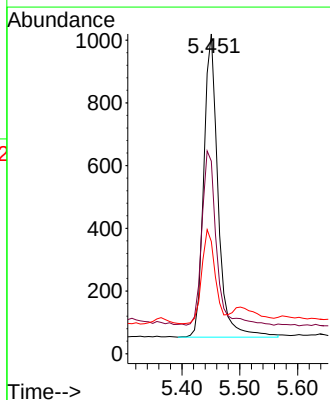
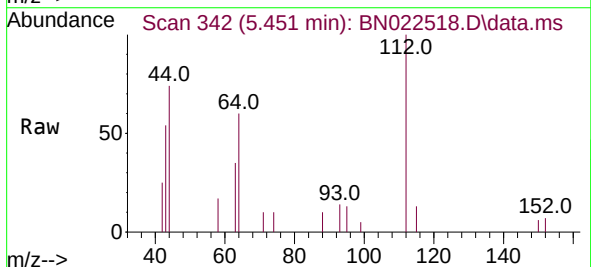
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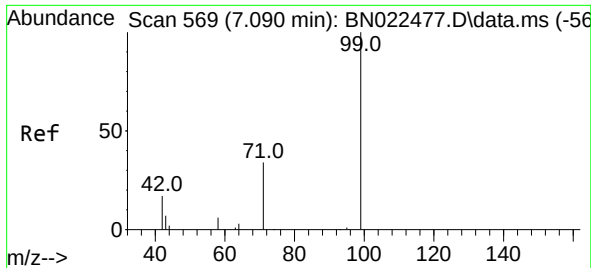
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#4
2-Fluorophenol
Concen: 0.123 ng
RT: 5.451 min Scan# 342
Delta R.T. 0.000 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion:112 Resp: 1654
Ion Ratio Lower Upper
112 100
64 58.7 47.1 70.7
63 29.4 24.6 36.8





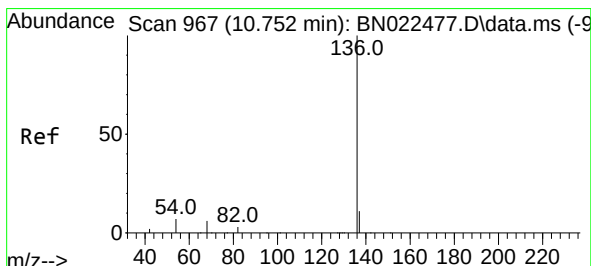
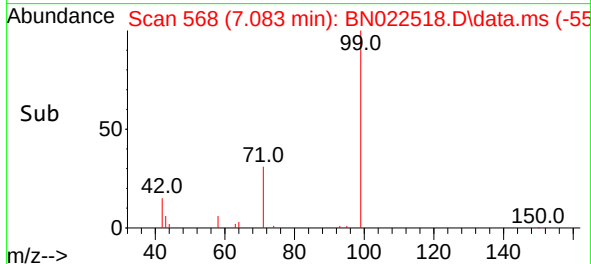
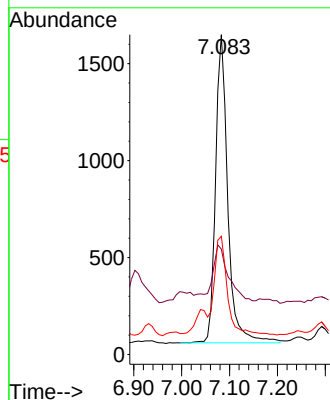
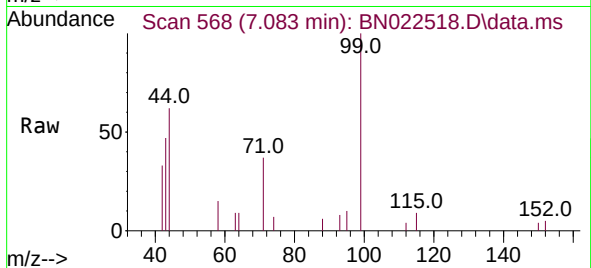
#5
Phenol-d6
Concen: 0.167 ng
RT: 7.083 min Scan# 569
Delta R.T. -0.007 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Instrument :
BNA_N
ClientSampleId :
S-13-103122DL

Tgt Ion: 99 Resp: 2822
Ion Ratio Lower Upper
99 100
42 22.1 14.7 22.1
71 34.1 27.0 40.6

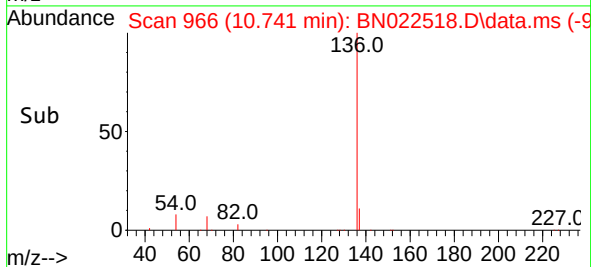
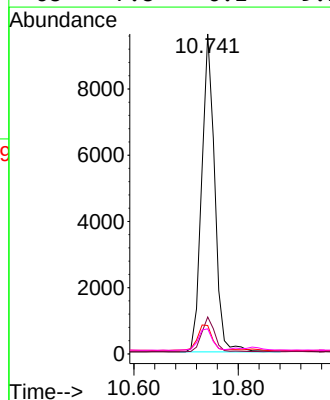
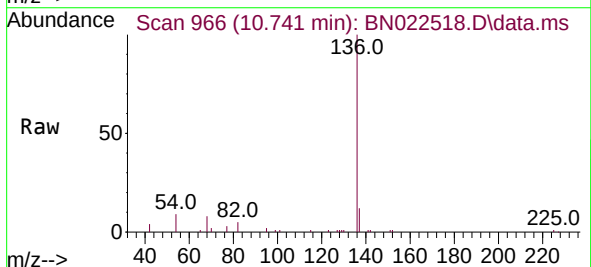
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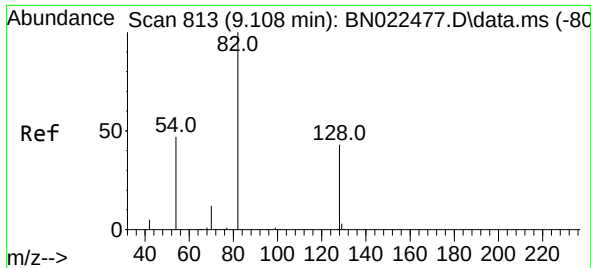
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 966
Delta R.T. -0.011 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

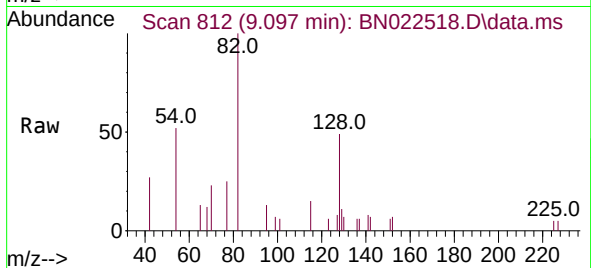
Tgt Ion:136 Resp: 16610
Ion Ratio Lower Upper
136 100
137 11.5 9.5 14.3
54 8.9 7.1 10.7
68 7.8 6.1 9.1





#8
Nitrobenzene-d5
Concen: 0.117 ng
RT: 9.097 min Scan# 813
Delta R.T. -0.011 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

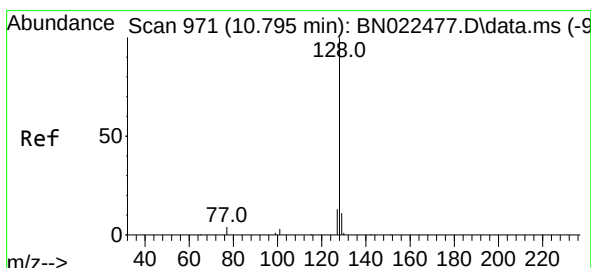
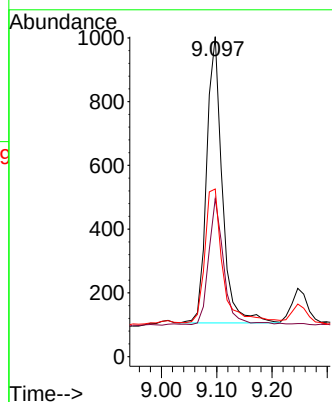
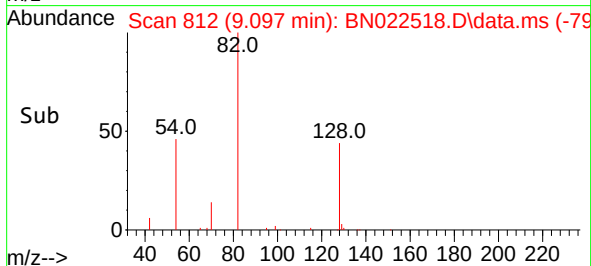
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL



Tgt Ion: 82	Resp: 175
Ion Ratio	Lower Upper
82	100
128	49.4 37.3 55.9
54	52.4 40.0 60.0

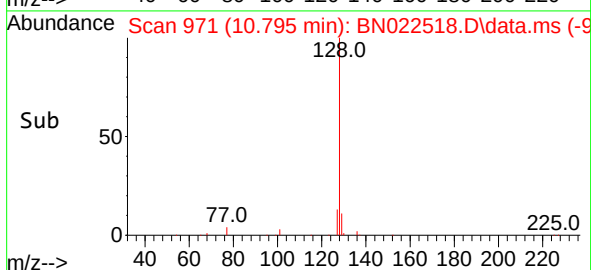
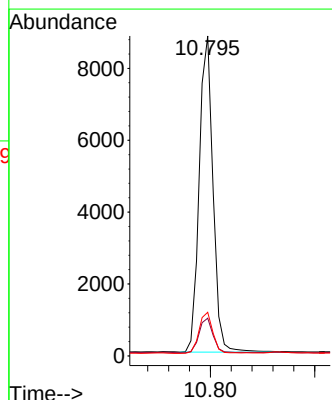
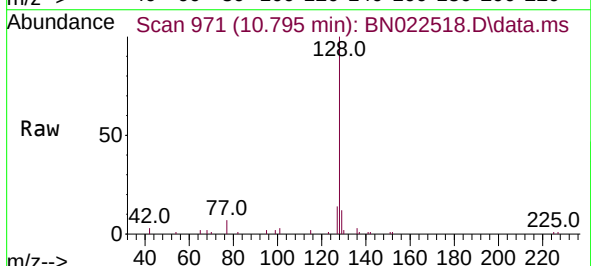
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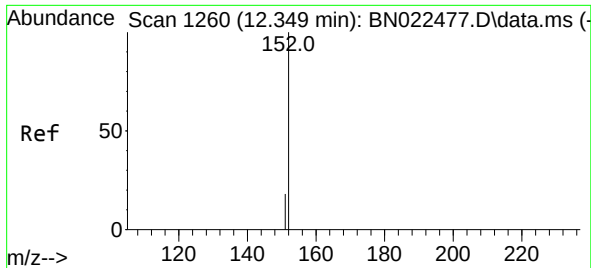
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#9
Naphthalene
Concen: 0.320 ng
RT: 10.795 min Scan# 971
Delta R.T. 0.000 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

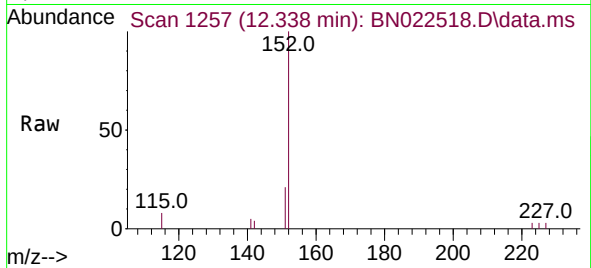
Tgt Ion: 128	Resp: 16102
Ion Ratio	Lower Upper
128	100
129	11.8 9.8 14.6
127	13.6 11.4 17.2





#11
2-Methylnaphthalene-d10
Concen: 0.105 ng
RT: 12.338 min Scan# 1257
Delta R.T. -0.011 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

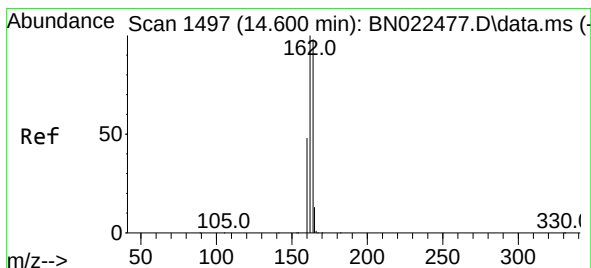
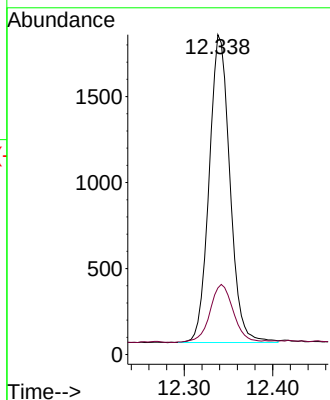
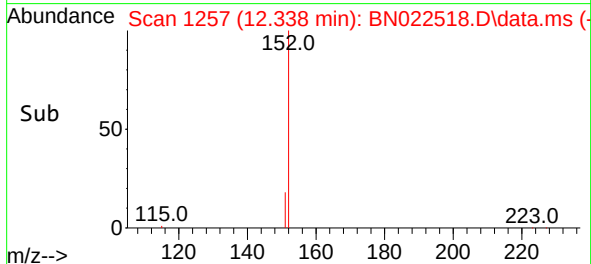
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL



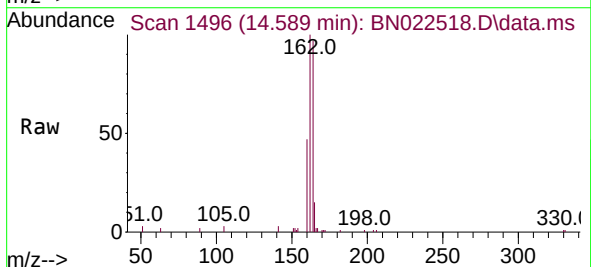
Tgt Ion:152 Resp: 2920
Ion Ratio Lower Upper
152 100
151 21.4 16.6 25.0

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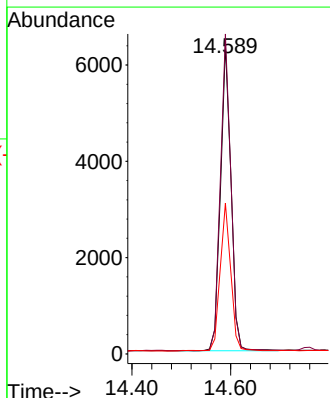
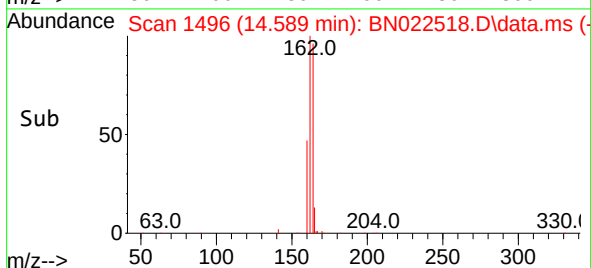
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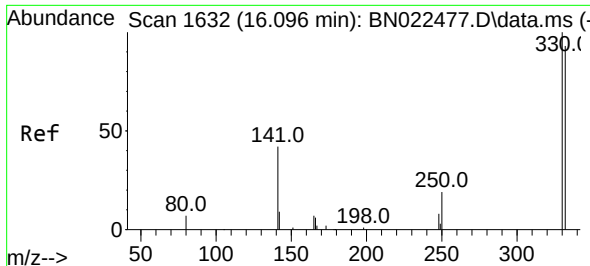


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33



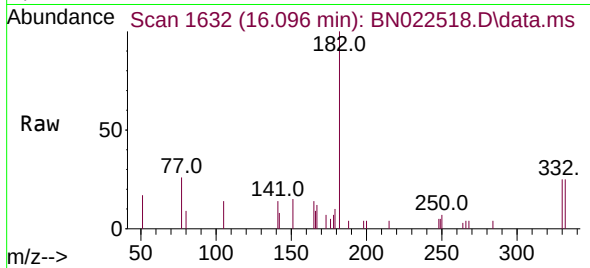
Tgt Ion:164 Resp: 9399
Ion Ratio Lower Upper
164 100
162 103.5 82.0 123.0
160 48.8 39.4 59.2





#14
2,4,6-Tribromophenol
Concen: 0.118 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

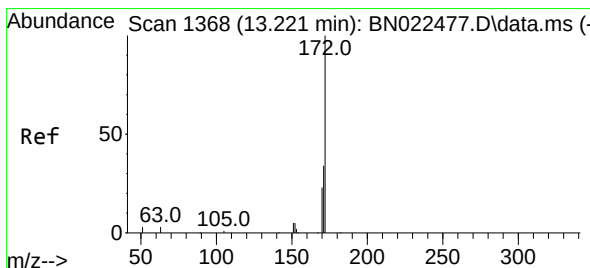
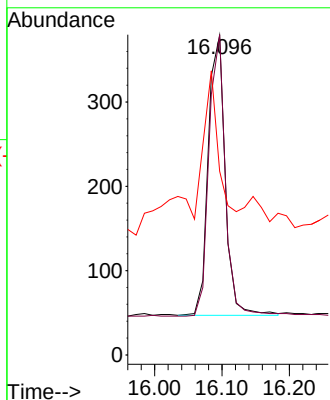
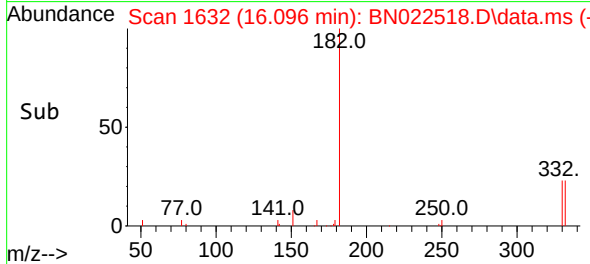
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL



Tgt Ion: 330 Resp: 581
Ion Ratio Lower Upper
330 100
332 96.7 77.8 116.8
141 44.4 35.0 52.6

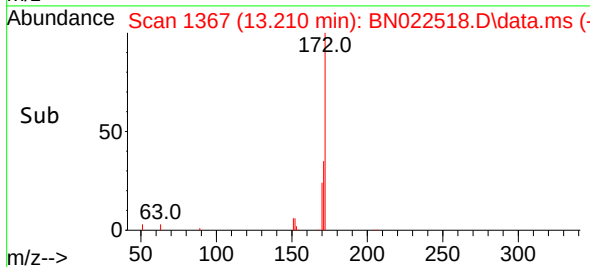
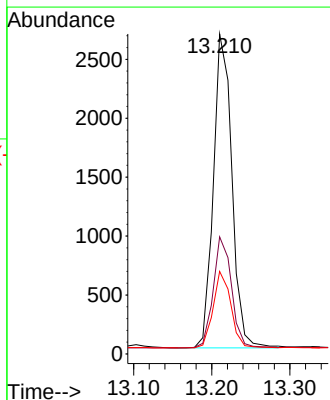
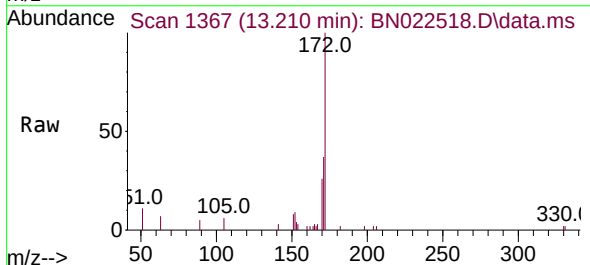
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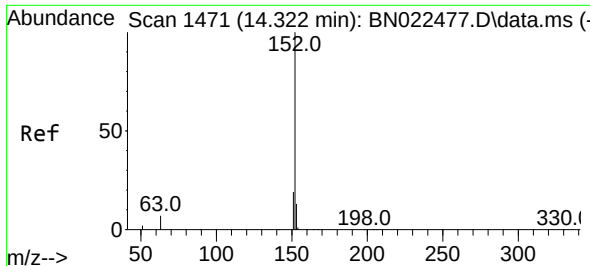
Reviewed By : Christian Giraldo 11/05/2022
Supervised By : Jagrut Upadhyay 11/07/2022



#15
2-Fluorobiphenyl
Concen: 0.112 ng
RT: 13.210 min Scan# 1367
Delta R.T. -0.011 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion: 172 Resp: 4396
Ion Ratio Lower Upper
172 100
171 36.6 27.9 41.9
170 25.8 19.2 28.8





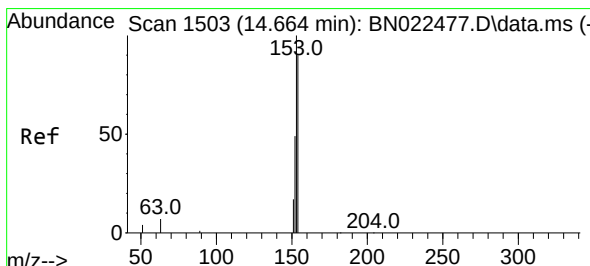
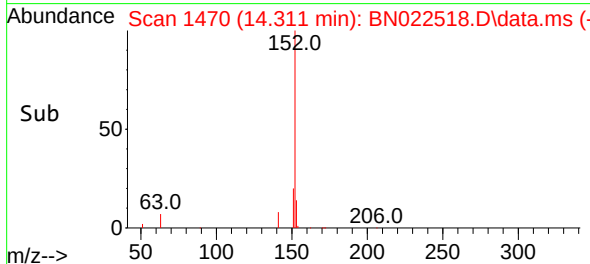
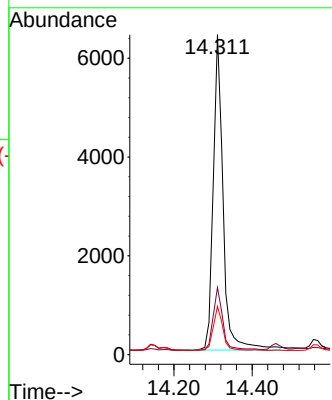
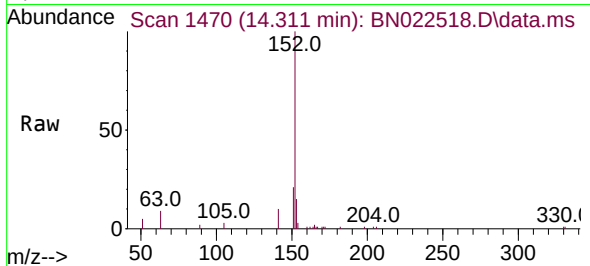
#16
Acenaphthylene
Concen: 0.234 ng
RT: 14.311 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Instrument :
BNA_N
ClientSampleId :
S-13-103122DL

Tgt Ion:152 Resp: 11186
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.6 10.3 15.5

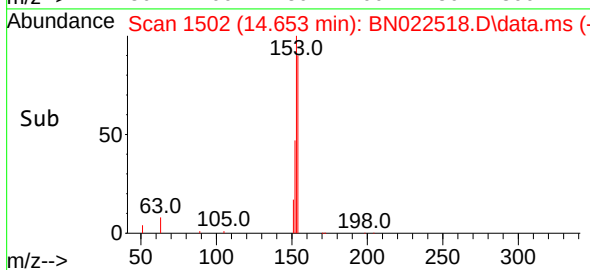
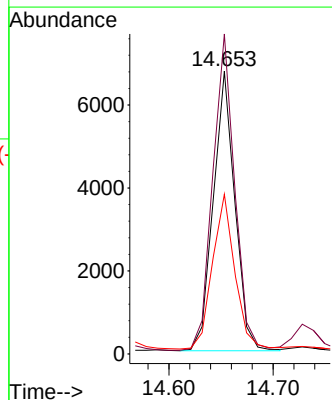
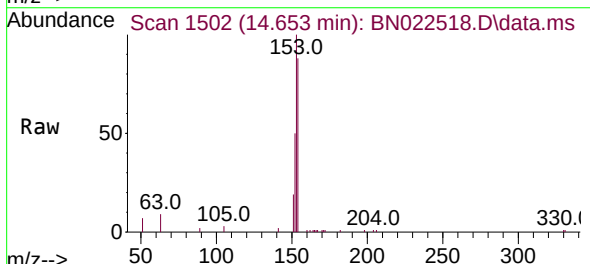
Manual Integrations
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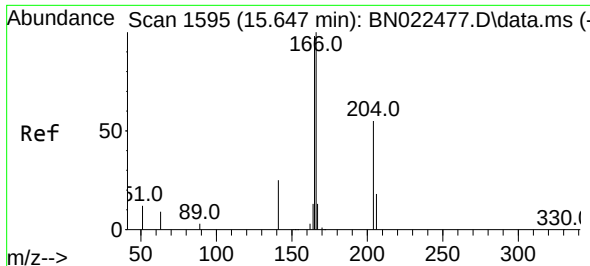
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#17
Acenaphthene
Concen: 0.316 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

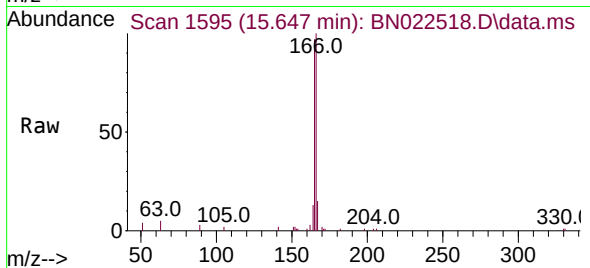
Tgt Ion:154 Resp: 9721
Ion Ratio Lower Upper
154 100
153 114.5 91.8 137.8
152 57.1 45.7 68.5





#18
Fluorene
Concen: 0.313 ng
RT: 15.647 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

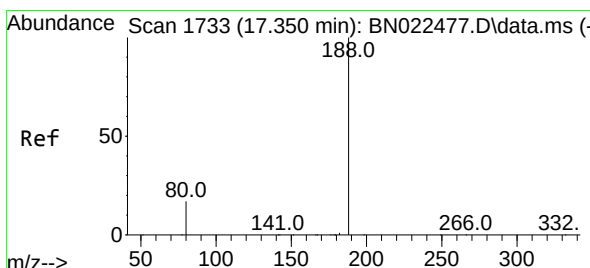
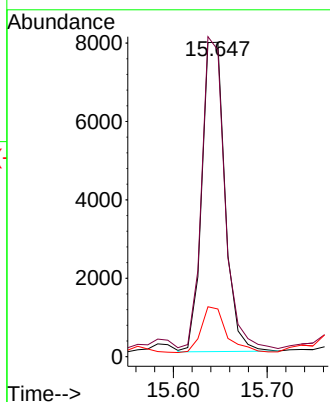
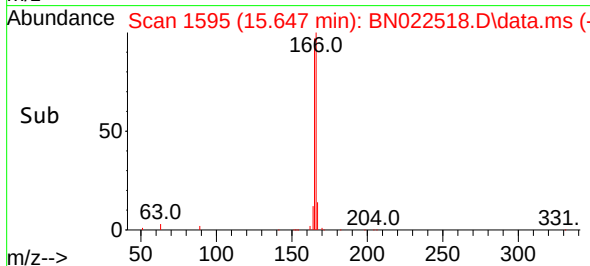
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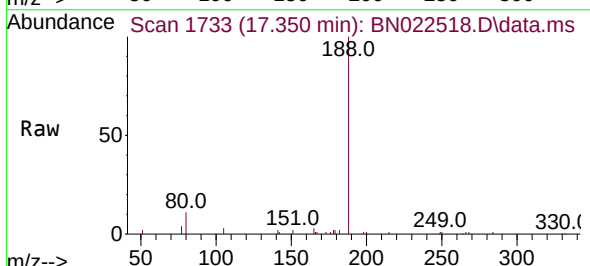
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Ion Ratio Lower Upper
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165 100.3 78.7 118.1
167 16.3 10.2 15.2

Manual Integrations
APPROVED

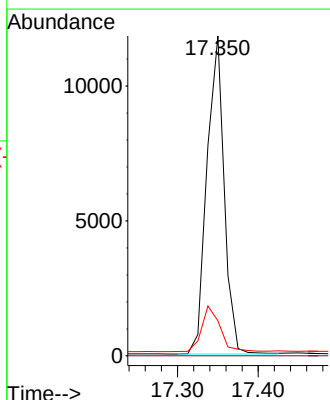
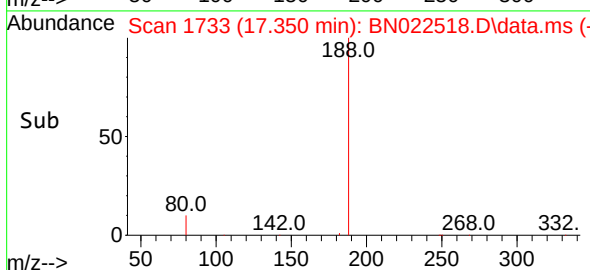
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

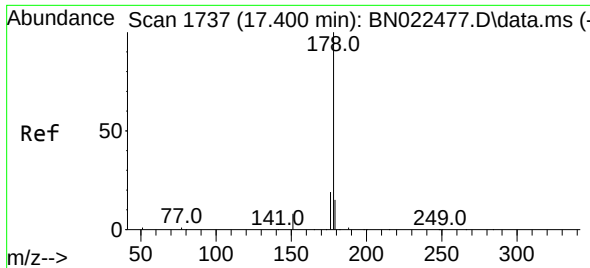


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33



Tgt Ion:188 Resp: 17526
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 14.6 21.8





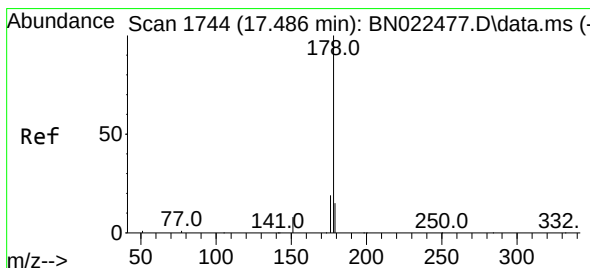
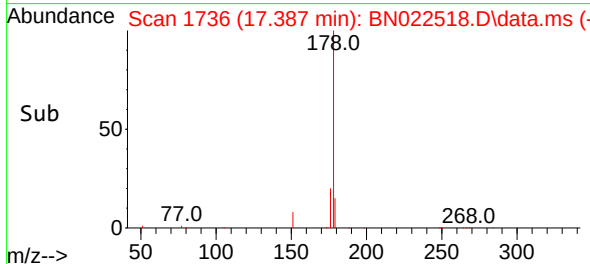
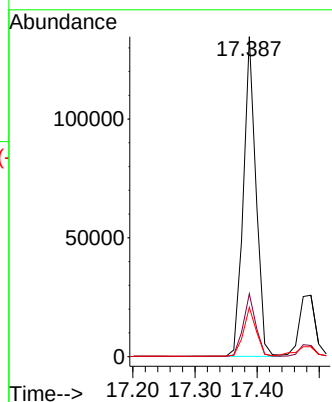
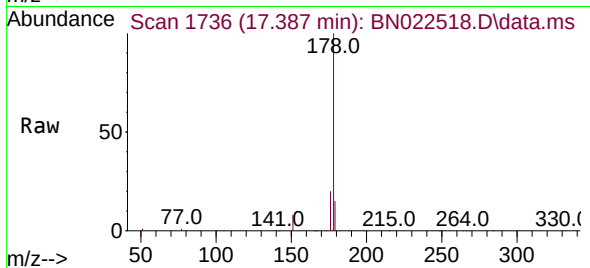
#25
Phenanthrene
Concen: 3.232 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Instrument :
BNA_N
ClientSampleId :
S-13-103122DL

Tgt Ion:178 Resp: 189305
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.4 12.2 18.4

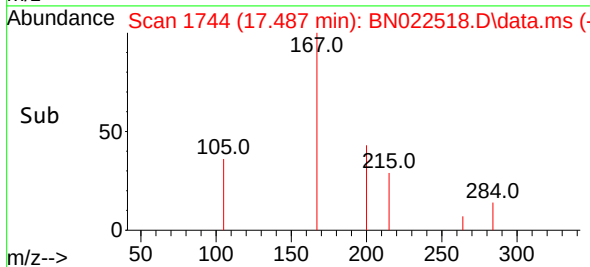
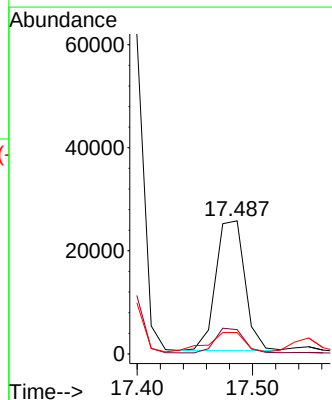
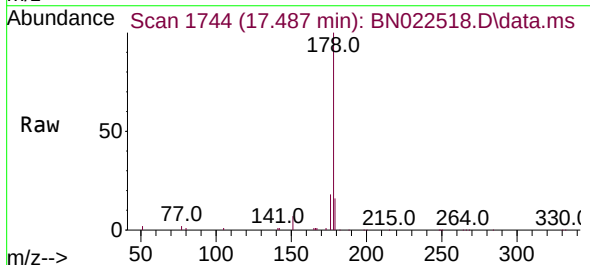
Manual Integrations
APPROVED

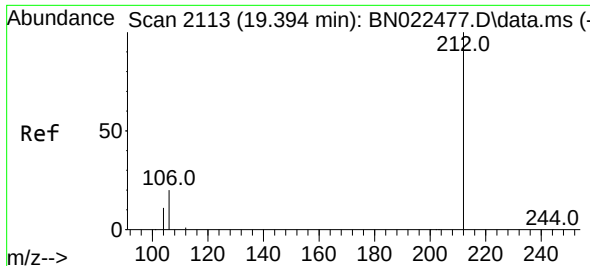
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#26
Anthracene
Concen: 0.857 ng
RT: 17.487 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

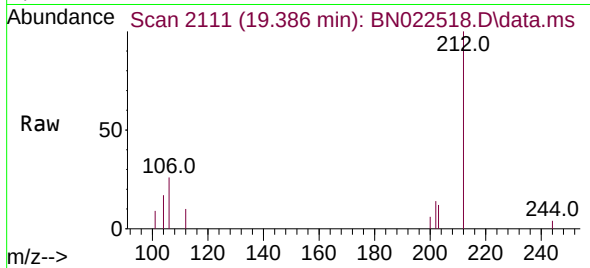
Tgt Ion:178 Resp: 44145
Ion Ratio Lower Upper
178 100
176 19.4 14.8 22.2
179 18.6 12.2 18.2#





#27
Fluoranthene-d10
Concen: 0.059 ng
RT: 19.386 min Scan# 2111
Delta R.T. -0.008 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

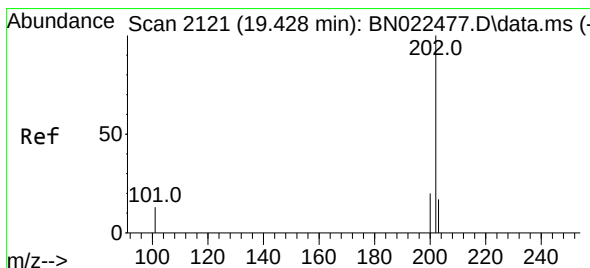
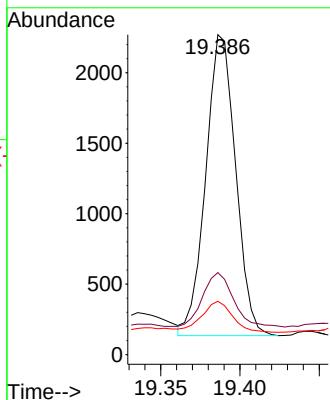
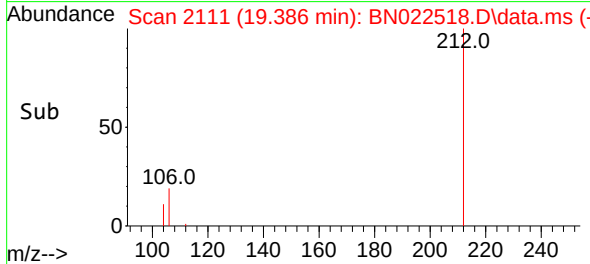
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL



Tgt Ion:212 Resp: 2803
Ion Ratio Lower Upper
212 100
106 18.6 15.2 22.8
104 10.8 8.6 12.8

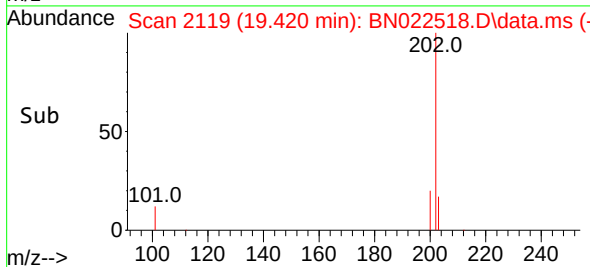
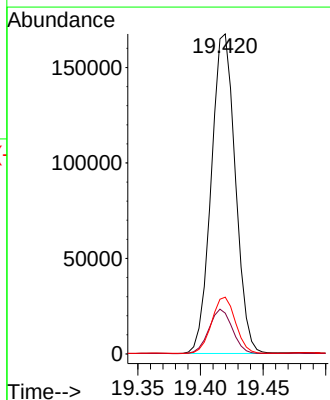
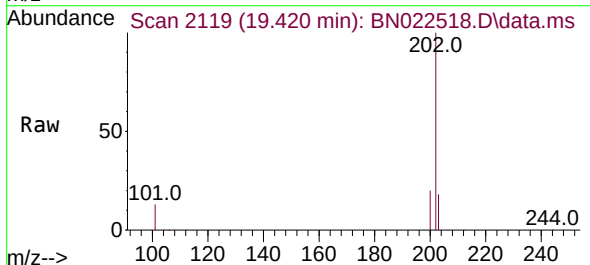
Manual Integrations
APPROVED

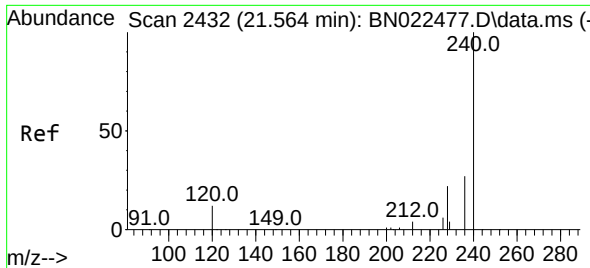
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#28
Fluoranthene
Concen: 3.561 ng
RT: 19.420 min Scan# 2119
Delta R.T. -0.008 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

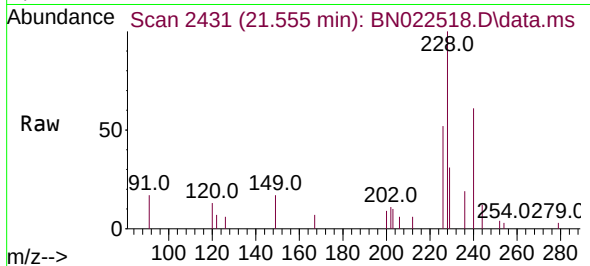
Tgt Ion:202 Resp: 224832
Ion Ratio Lower Upper
202 100
101 13.5 11.2 16.8
203 17.4 13.6 20.4





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

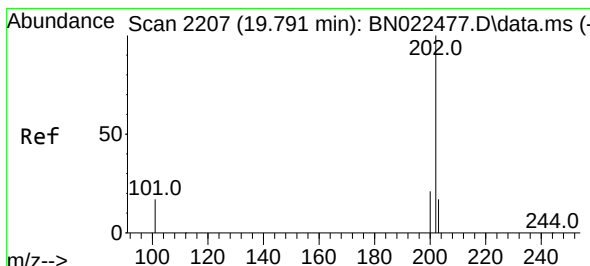
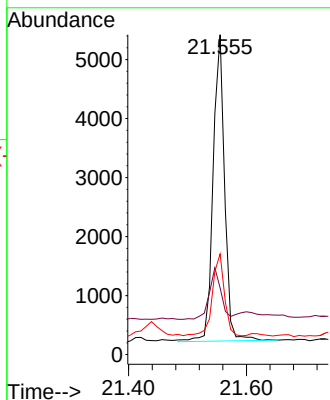
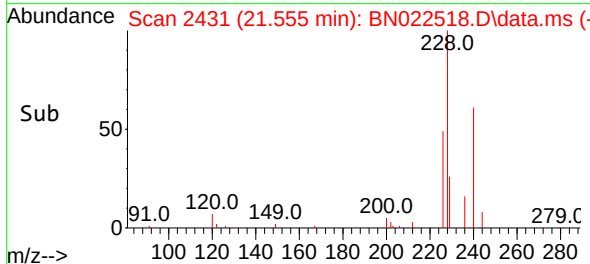
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL



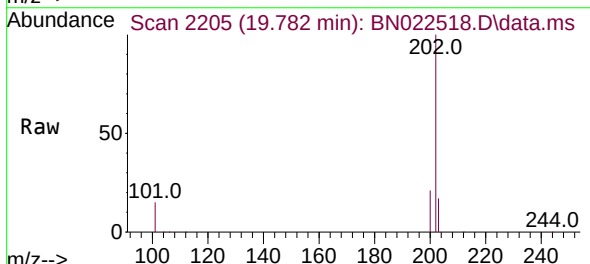
Tgt Ion:240 Resp: 7031
Ion Ratio Lower Upper
240 100
120 20.8 12.4 18.6
236 31.5 22.7 34.1

Manual Integrations
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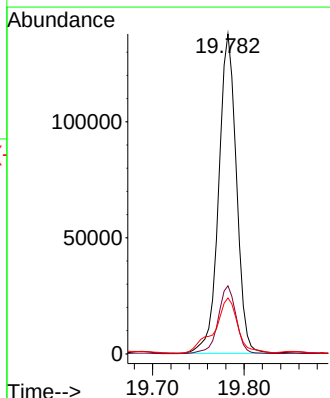
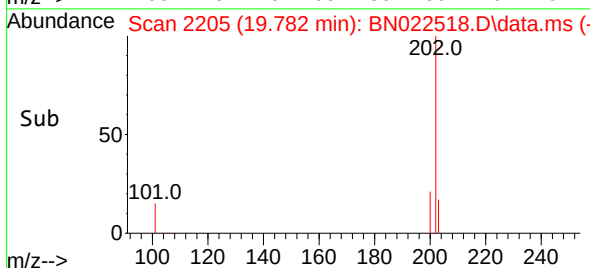
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

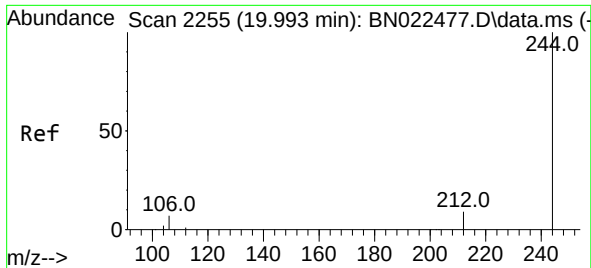


#30
Pyrene
Concen: 6.125 ng
RT: 19.782 min Scan# 2205
Delta R.T. -0.008 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33



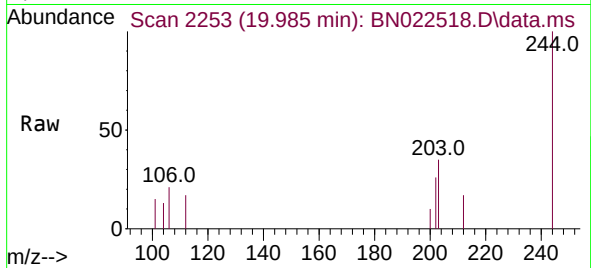
Tgt Ion:202 Resp: 185941
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 22.5 14.3 21.5





#31
 Terphenyl-d14
 Concen: 0.117 ng
 RT: 19.985 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BN022518.D
 Acq: 04 Nov 2022 21:33

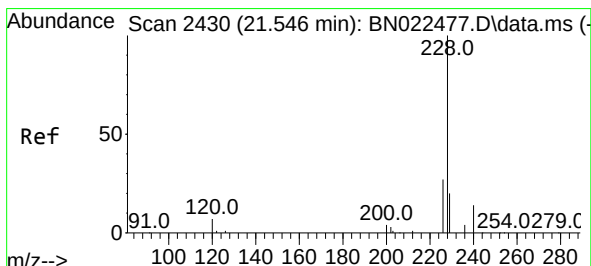
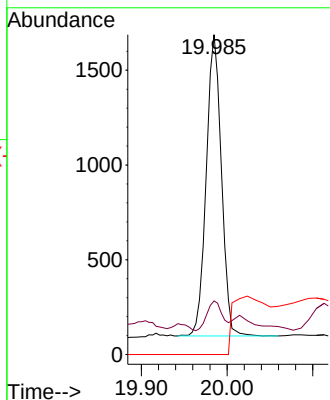
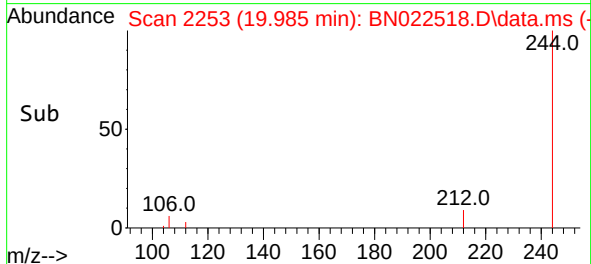
Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122DL



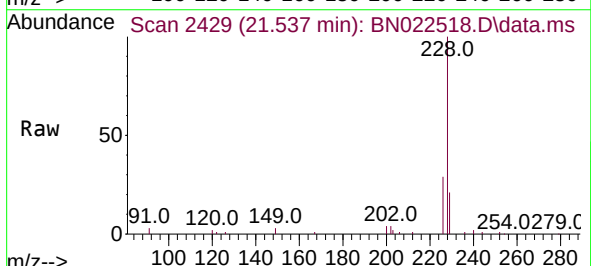
Tgt Ion:244 Resp: 2556
 Ion Ratio Lower Upper
 244 100
 212 16.8 7.8 11.8
 122 0.0 0.0 0.0

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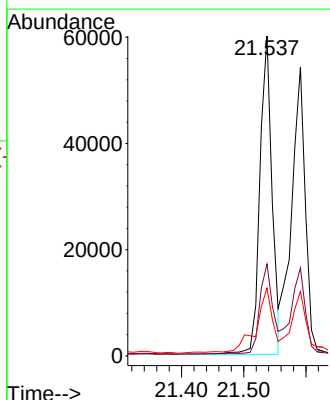
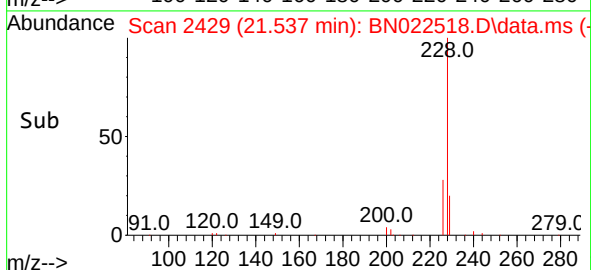
Reviewed By :Christian Giraldo 11/05/2022
 Supervised By :Jagrut Upadhyay 11/07/2022

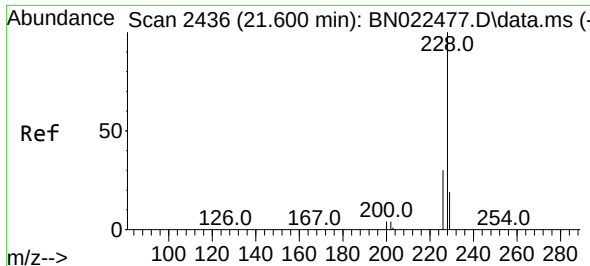


#32
 Benzo(a)anthracene
 Concen: 2.900 ng
 RT: 21.537 min Scan# 2429
 Delta R.T. -0.009 min
 Lab File: BN022518.D
 Acq: 04 Nov 2022 21:33



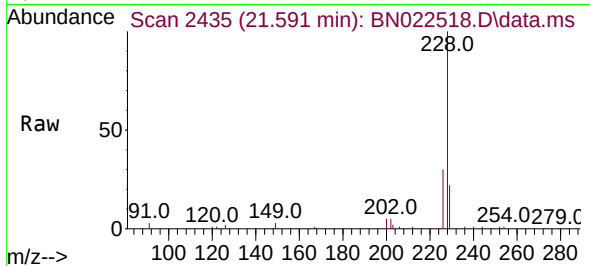
Tgt Ion:228 Resp: 82004
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.1 33.1
 229 21.2 16.4 24.6





#33
Chrysene
Concen: 2.966 ng
RT: 21.591 min Scan# 2436
Delta R.T. -0.009 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

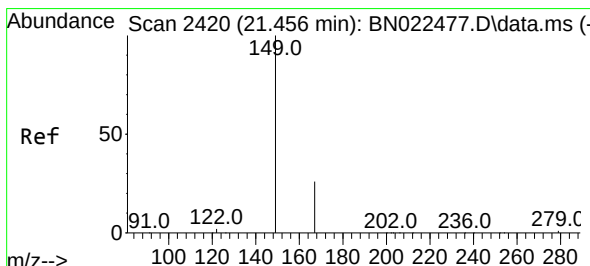
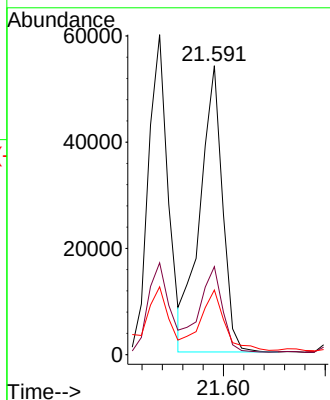
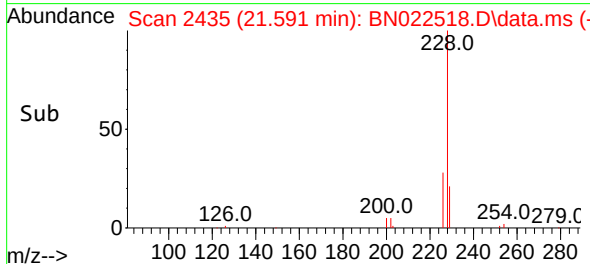
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL



Tgt Ion:228 Resp: 83051
Ion Ratio Lower Upper
228 100
226 30.4 24.1 36.1
229 22.4 15.9 23.9

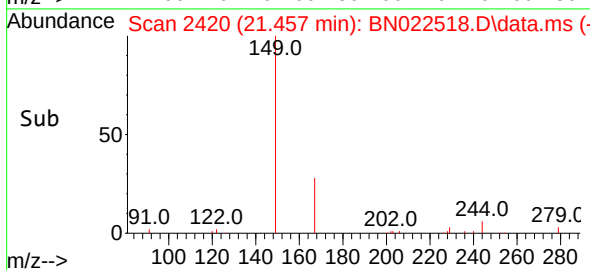
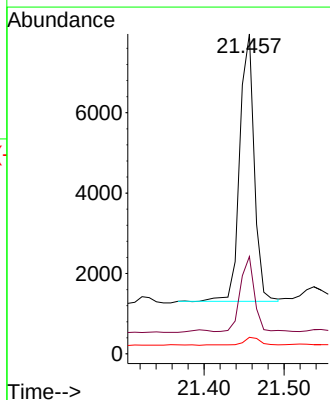
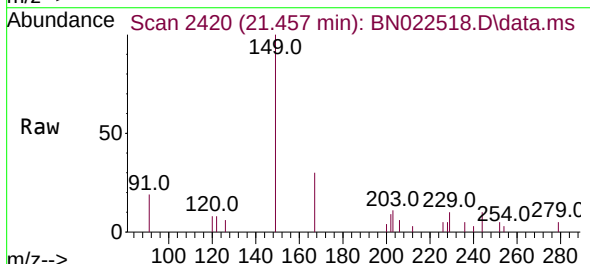
Manual Integrations
APPROVED

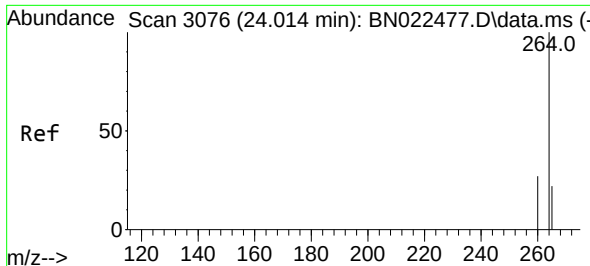
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.353 ng
RT: 21.457 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

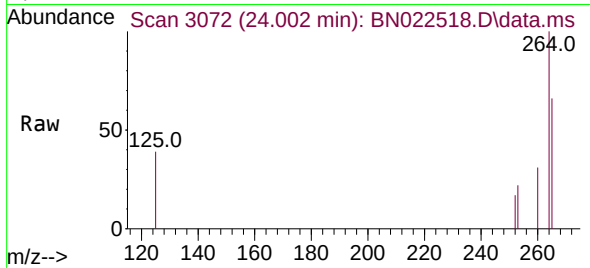
Tgt Ion:149 Resp: 8397
Ion Ratio Lower Upper
149 100
167 27.5 21.3 31.9
279 3.6 2.7 4.1





#35
Perylene-d12
Concen: 0.400 ng
RT: 24.002 min Scan# 3076
Delta R.T. -0.012 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

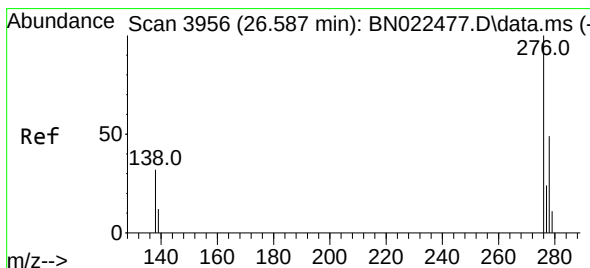
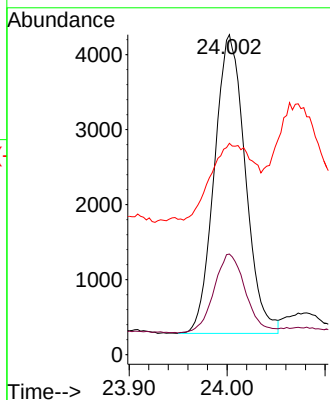
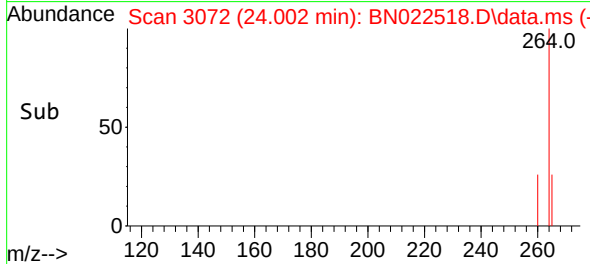
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL



Tgt Ion:264 Resp: 8745
Ion Ratio Lower Upper
264 100
260 31.4 22.4 33.6
265 66.0 44.4 66.6

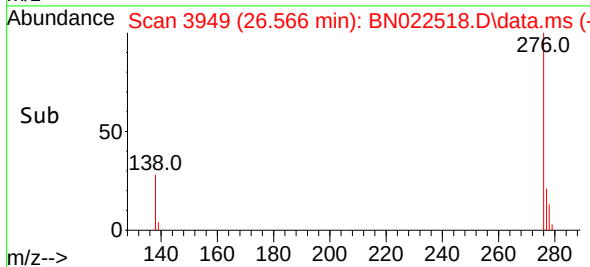
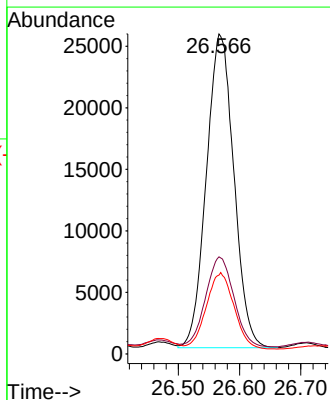
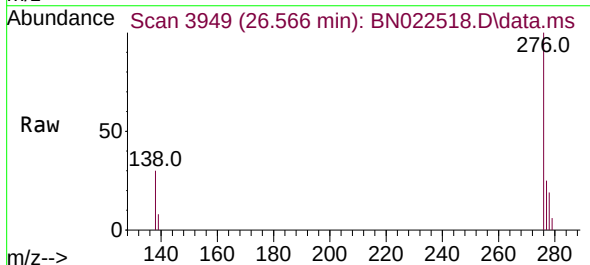
Manual Integrations
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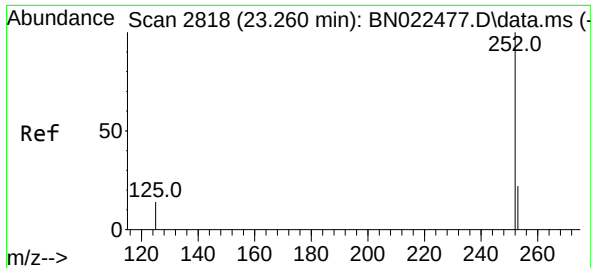
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#36
Indeno(1,2,3-cd)pyrene
Concen: 1.886 ng
RT: 26.566 min Scan# 3949
Delta R.T. -0.020 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

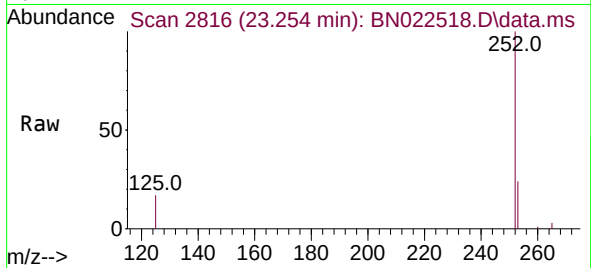
Tgt Ion:276 Resp: 79431
Ion Ratio Lower Upper
276 100
138 29.4 27.5 41.3
277 24.7 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 3.337 ng
RT: 23.254 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

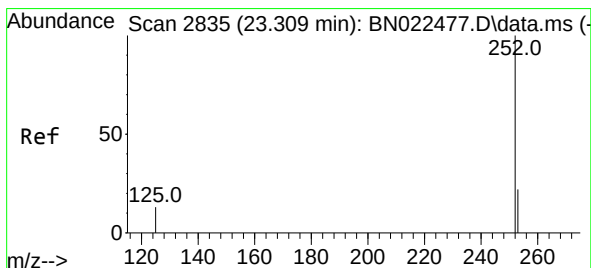
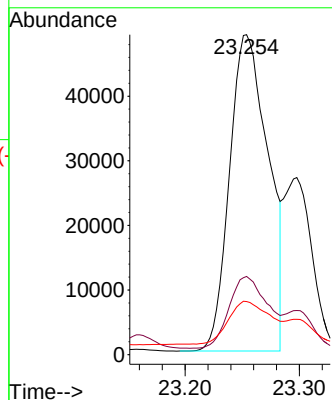
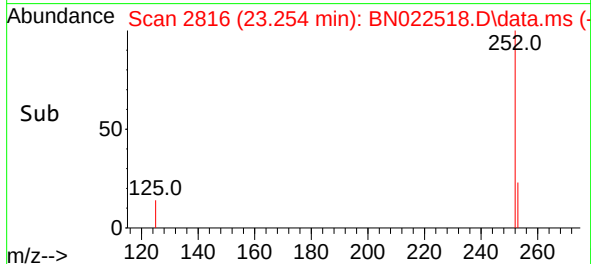
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL



Tgt Ion:252 Resp: 114752
Ion Ratio Lower Upper
252 100
253 24.4 21.1 31.7
125 16.6 16.8 25.2

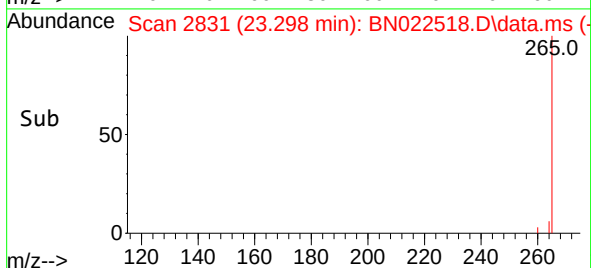
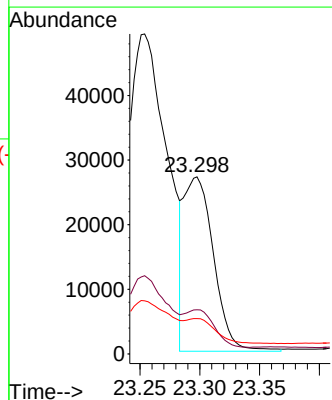
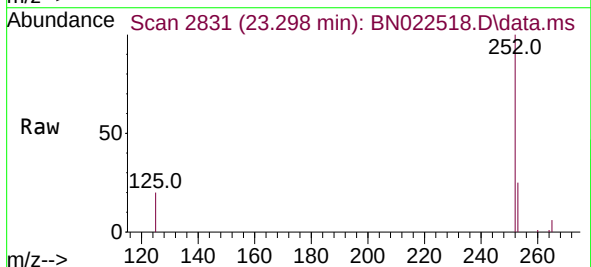
Manual Integrations
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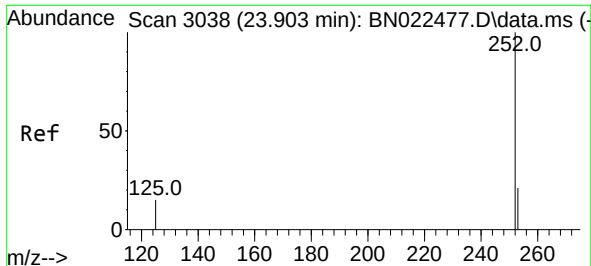
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#38
Benzo(k)fluoranthene
Concen: 1.336 ng m
RT: 23.298 min Scan# 2831
Delta R.T. -0.012 min
Lab File: BN022518.D
Acq: 04 Nov 2022 21:33

Tgt Ion:252 Resp: 46842
Ion Ratio Lower Upper
252 100
253 24.9 20.9 31.3
125 19.9 16.1 24.1





#39

Benzo(a)pyrene

Concen: 3.091 ng m

RT: 23.891 min Scan# 3038

Delta R.T. -0.012 min

Lab File: BN022518.D

Acq: 04 Nov 2022 21:33

Instrument :

BNA_N

ClientSampleId :

S-13-103122DL

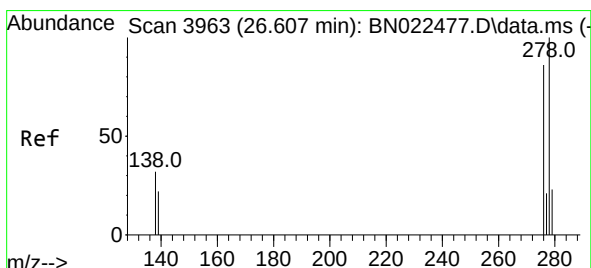
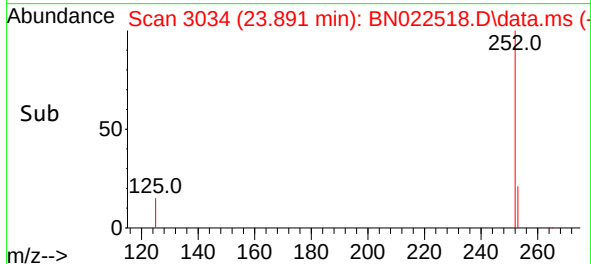
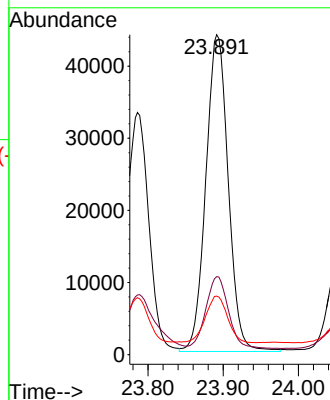
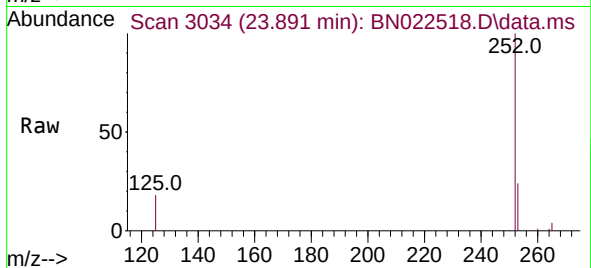
Tgt Ion:	252	Resp:	91029
Ion Ratio	Lower	Upper	
252	100		
253	24.4	22.0	33.0
125	18.3	19.8	29.8

Manual Integrations

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Reviewed By :Christian Giraldo 11/05/2022

Supervised By :Jagrut Upadhyay 11/07/2022



#40

Dibenzo(a,h)anthracene

Concen: 0.578 ng

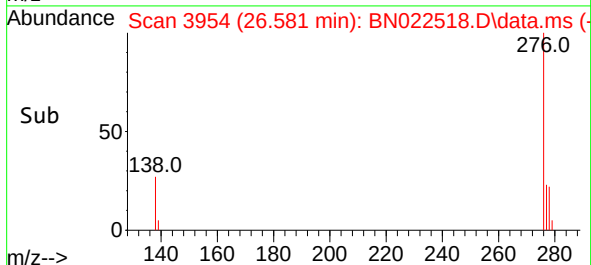
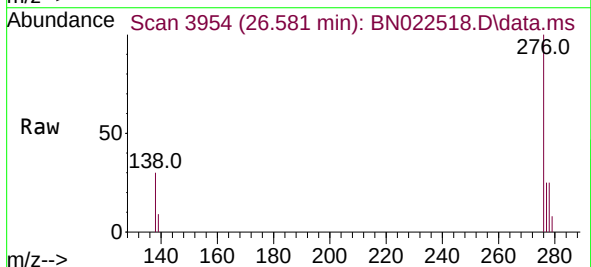
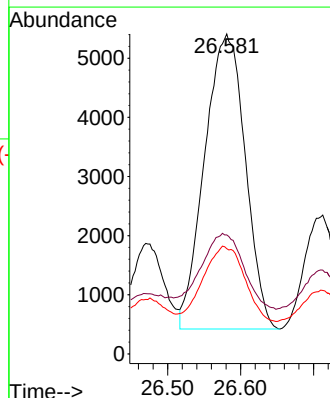
RT: 26.581 min Scan# 3954

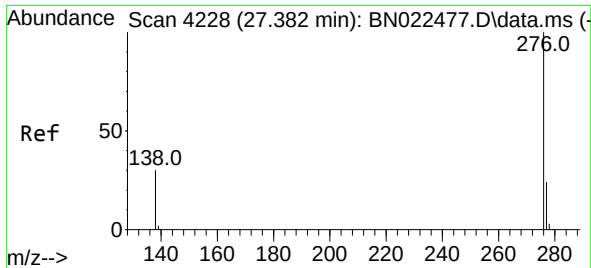
Delta R.T. -0.026 min

Lab File: BN022518.D

Acq: 04 Nov 2022 21:33

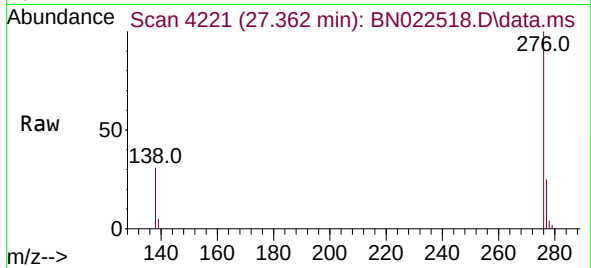
Tgt Ion:	278	Resp:	19349
Ion Ratio	Lower	Upper	
278	100		
139	37.2	21.8	32.6#
279	32.9	21.5	32.3#





#41
 Benzo(g,h,i)perylene
 Concen: 2.210 ng
 RT: 27.362 min Scan# 41
 Delta R.T. -0.020 min
 Lab File: BN022518.D
 Acq: 04 Nov 2022 21:33

Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122DL



Tgt Ion:276 Resp: 7864
 Ion Ratio Lower Upper
 276 100
 277 25.2 21.0 31.4
 138 31.4 26.0 39.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/05/2022
 Supervised By :Jagrut Upadhyay 11/07/2022

