

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
 Data File : BN022519.D
 Acq On : 04 Nov 2022 22:11
 Operator : CG/JU
 Sample : N5395-13DL2 4X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122DL2

Manual Integrations
 APPROVED

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

Quant Time: Nov 05 01:59:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 03:28:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.920	152	4757	0.400	ng	0.00
7) Naphthalene-d8	10.741	136	15223	0.400	ng	-0.01
13) Acenaphthene-d10	14.589	164	10005	0.400	ng	-0.01
19) Phenanthrene-d10	17.350	188	19612	0.400	ng	# 0.00
29) Chrysene-d12	21.555	240	11173	0.400	ng	# 0.00
35) Perylene-d12	24.002	264	9831	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.450	112	965	0.072	ng	0.00
5) Phenol-d6	7.083	99	1388	0.082	ng	0.00
8) Nitrobenzene-d5	9.097	82	626	0.046	ng	-0.01
11) 2-Methylnaphthalene-d10	12.342	152	1453	0.057	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	288	0.055	ng	0.00
15) 2-Fluorobiphenyl	13.210	172	2177	0.052	ng	-0.01
27) Fluoranthene-d10	19.386	212	2216	0.041	ng	0.00
31) Terphenyl-d14	19.985	244	1929	0.055	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.795	128	6977	0.151	ng	99
16) Acenaphthylene	14.311	152	5682	0.112	ng	98
17) Acenaphthene	14.653	154	4892	0.149	ng	100
18) Fluorene	15.647	166	6663	0.145	ng	# 97
25) Phenanthrene	17.387	178	98359	1.501	ng	100
26) Anthracene	17.474	178	22400	0.388	ng	95
28) Fluoranthene	19.416	202	187892	2.660	ng	99
30) Pyrene	19.782	202	156834	3.251	ng	# 95
32) Benzo(a)anthracene	21.537	228	64911	1.445	ng	98
33) Chrysene	21.591	228	64467	1.449	ng	96
34) Bis(2-ethylhexyl)phtha...	21.457	149	7426	0.196	ng	99
36) Indeno(1,2,3-cd)pyrene	26.566	276	37984	0.802	ng	95
37) Benzo(b)fluoranthene	23.254	252	79379	2.053	ng	97
38) Benzo(k)fluoranthene	23.298	252	27846m	0.706	ng	
39) Benzo(a)pyrene	23.891	252	53868	1.627	ng	95
40) Dibenzo(a,h)anthracene	26.581	278	9209	0.245	ng	# 70
41) Benzo(g,h,i)perylene	27.364	276	37754	0.944	ng	99

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

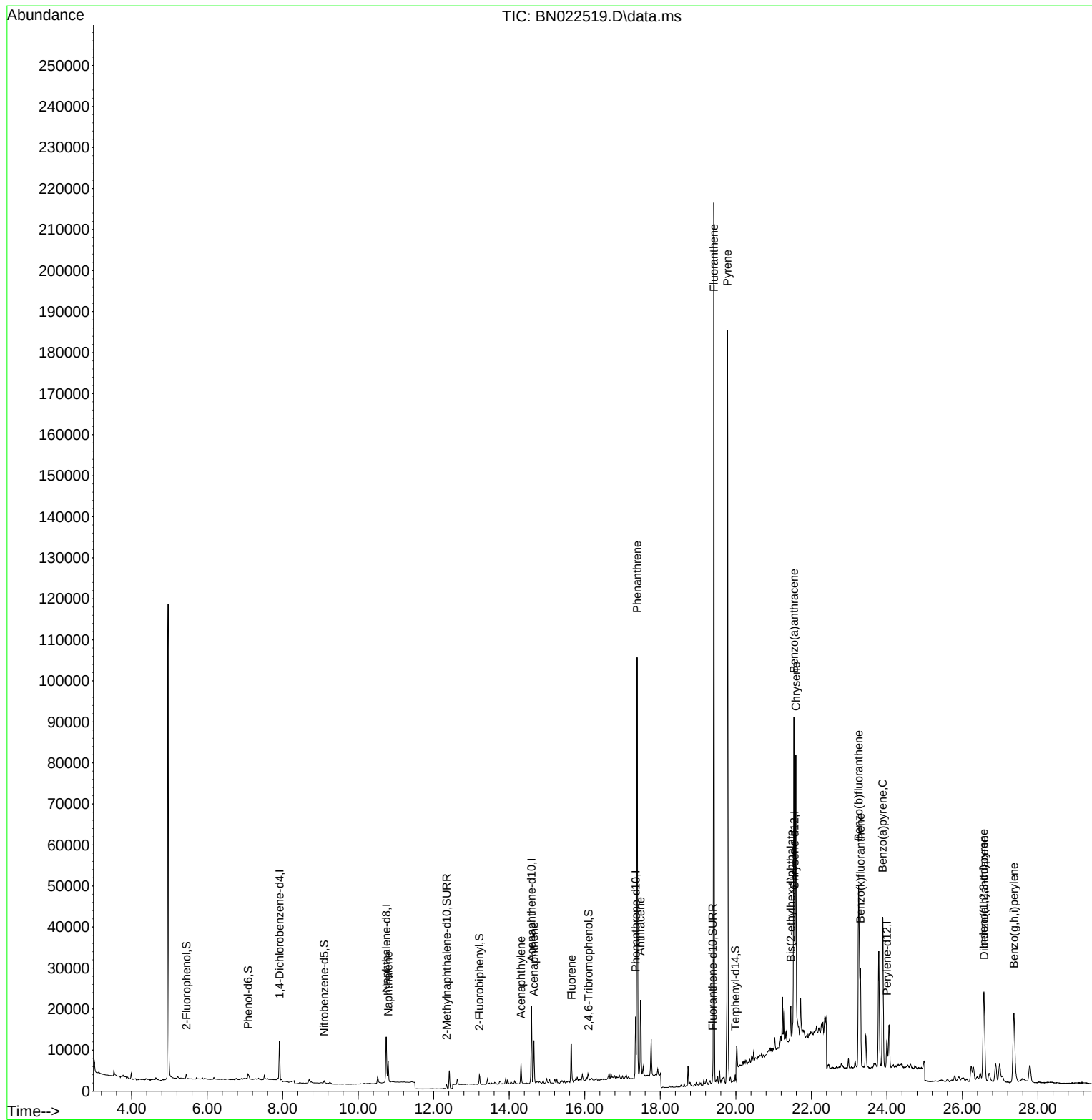
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110422\
Data File : BN022519.D
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ALS Vial : 10 Sample Multiplier: 1

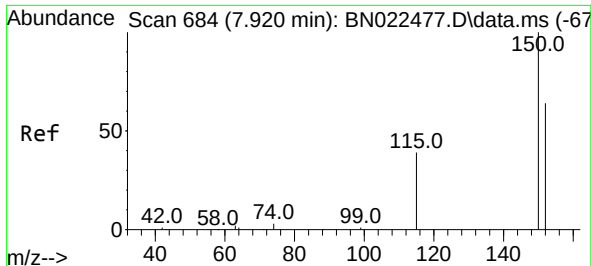
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2

Quant Time: Nov 05 01:59:46 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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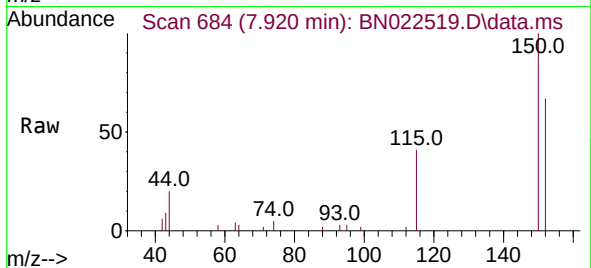
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.920 min Scan# 684
Delta R.T. 0.000 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

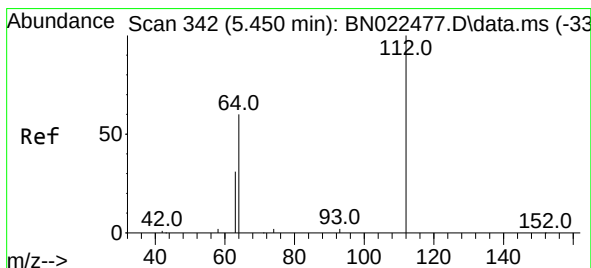
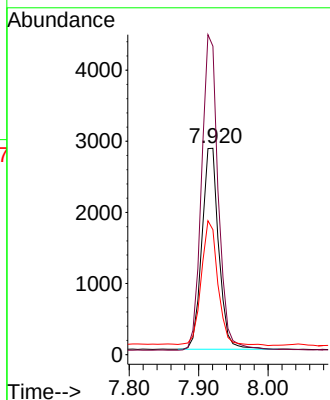
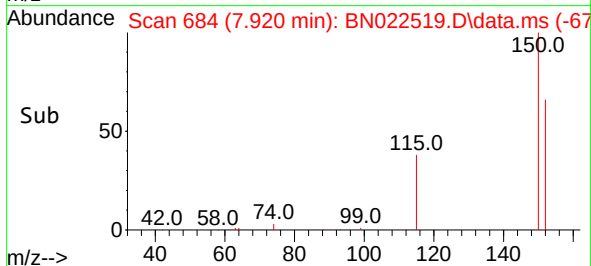
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2



Tgt Ion:152 Resp: 475
Ion Ratio Lower Upper
152 100
150 149.5 123.4 185.2
115 60.6 54.9 82.3

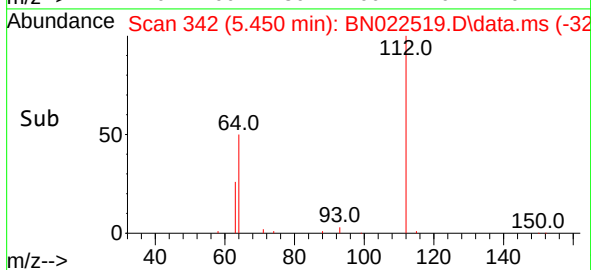
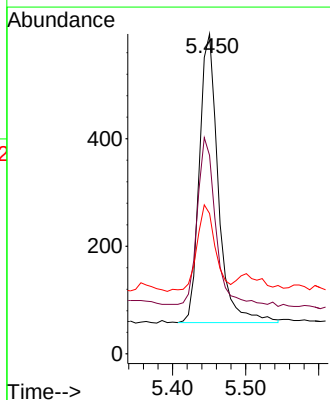
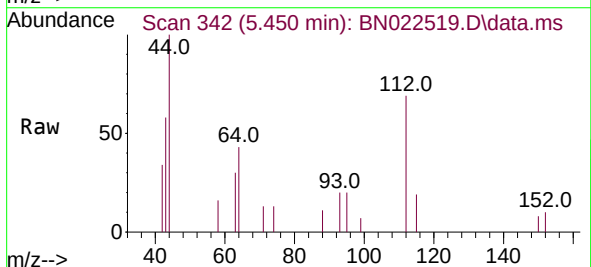
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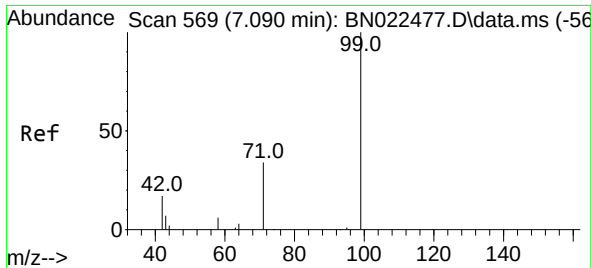
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#4
2-Fluorophenol
Concen: 0.072 ng
RT: 5.450 min Scan# 342
Delta R.T. 0.000 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Tgt Ion:112 Resp: 965
Ion Ratio Lower Upper
112 100
64 58.4 47.1 70.7
63 29.1 24.6 36.8





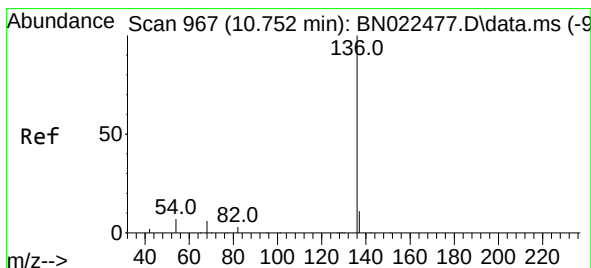
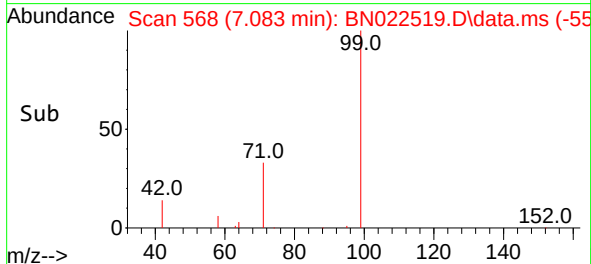
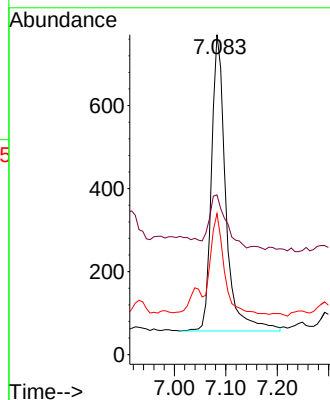
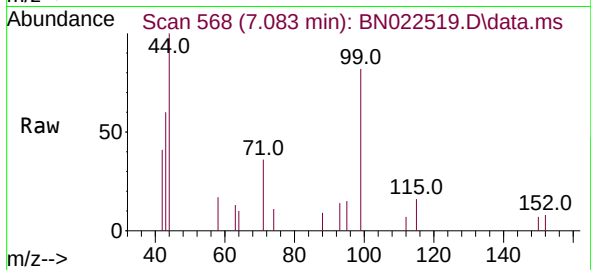
#5
Phenol-d6
Concen: 0.082 ng
RT: 7.083 min Scan# 569
Delta R.T. -0.007 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2

Tgt Ion: 99 Resp: 1388
Ion Ratio Lower Upper
99 100
42 19.2 14.7 22.1
71 32.7 27.0 40.6

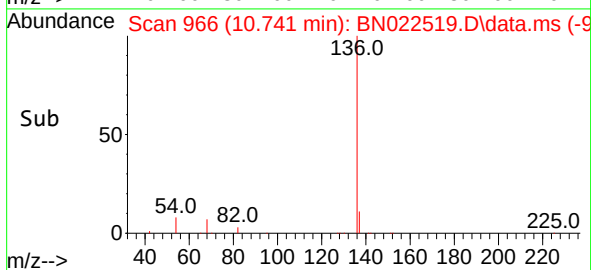
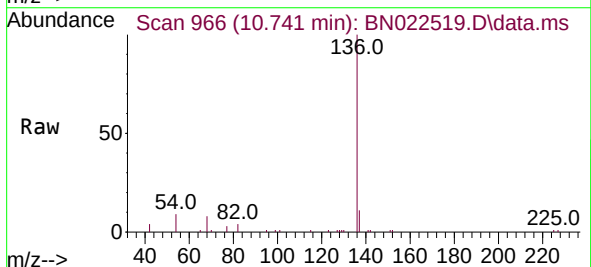
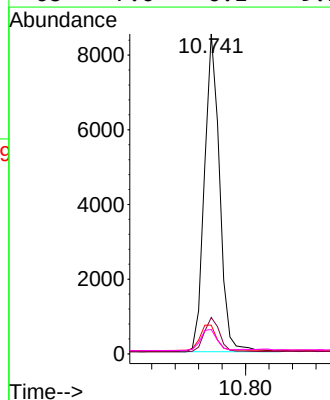
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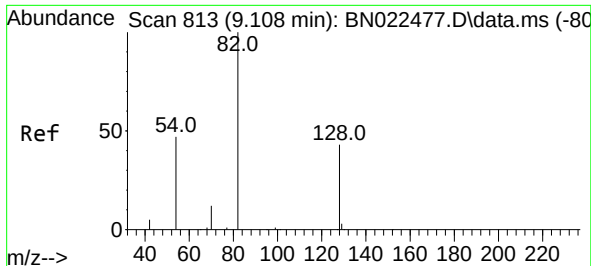
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.741 min Scan# 966
Delta R.T. -0.011 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

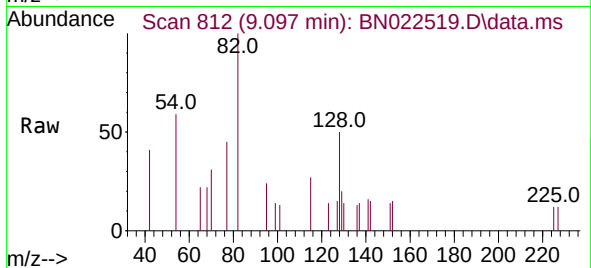
Tgt Ion:136 Resp: 15223
Ion Ratio Lower Upper
136 100
137 11.4 9.5 14.3
54 9.0 7.1 10.7
68 7.6 6.1 9.1





#8
Nitrobenzene-d5
Concen: 0.046 ng
RT: 9.097 min Scan# 813
Delta R.T. -0.011 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

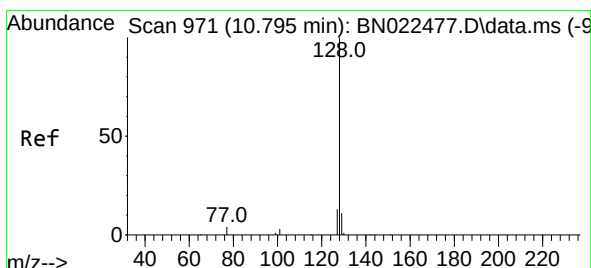
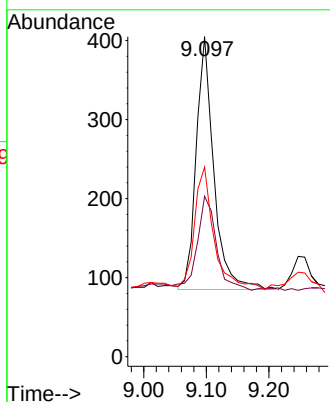
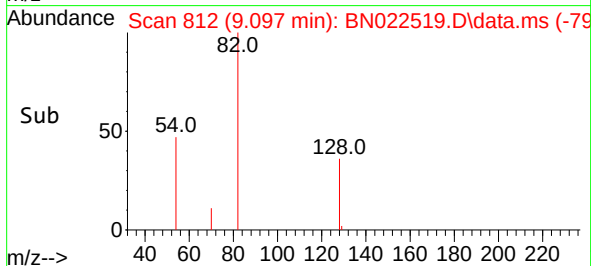
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2



Tgt Ion: 82 Resp: 626
Ion Ratio Lower Upper
82 100
128 50.1 37.3 55.9
54 59.3 40.0 60.0

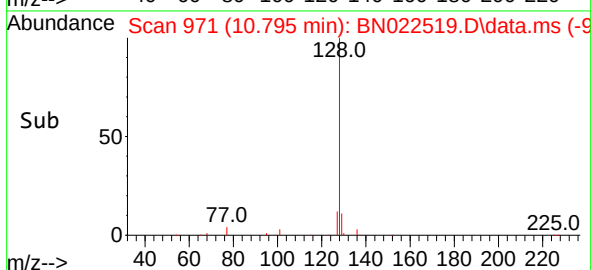
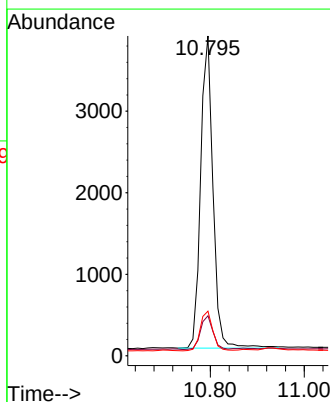
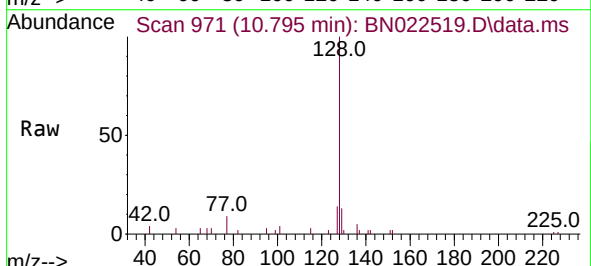
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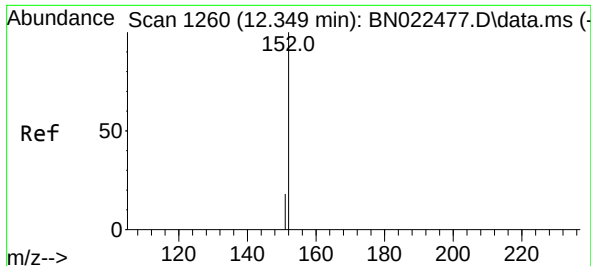
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#9
Naphthalene
Concen: 0.151 ng
RT: 10.795 min Scan# 971
Delta R.T. 0.000 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

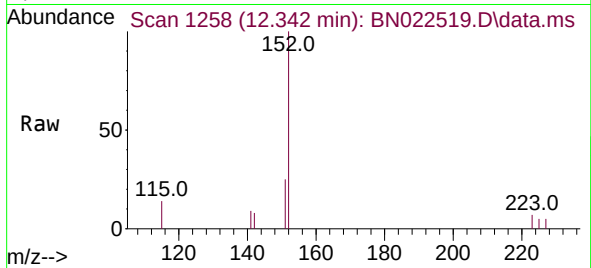
Tgt Ion:128 Resp: 6977
Ion Ratio Lower Upper
128 100
129 12.5 9.8 14.6
127 14.0 11.4 17.2





#11
2-Methylnaphthalene-d10
Concen: 0.057 ng
RT: 12.342 min Scan# 1258
Delta R.T. -0.007 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

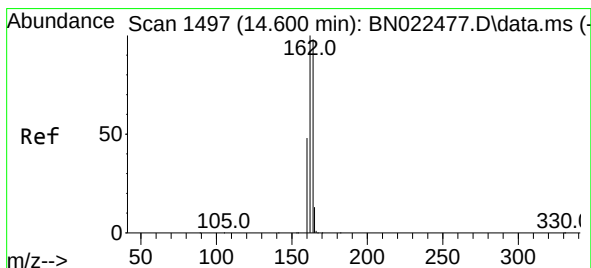
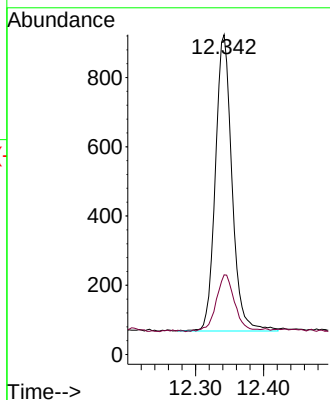
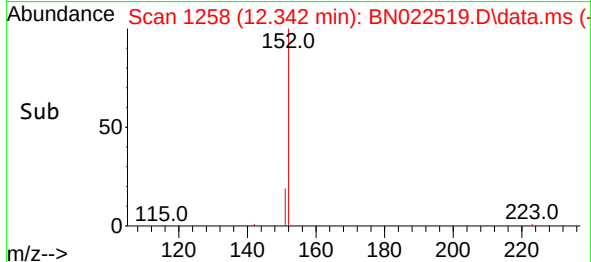
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2



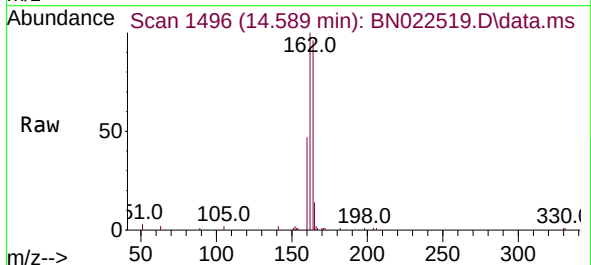
Tgt Ion:152 Resp: 1453
Ion Ratio Lower Upper
152 100
151 21.8 16.6 25.0

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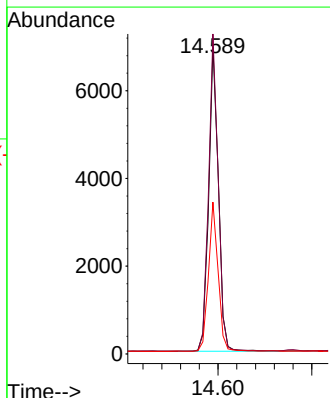
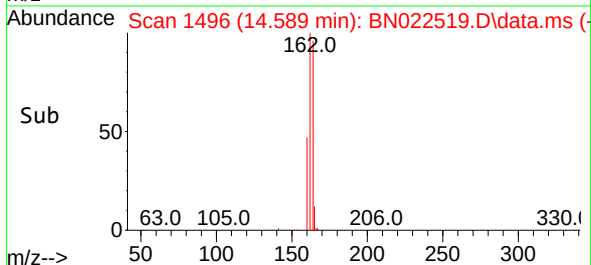
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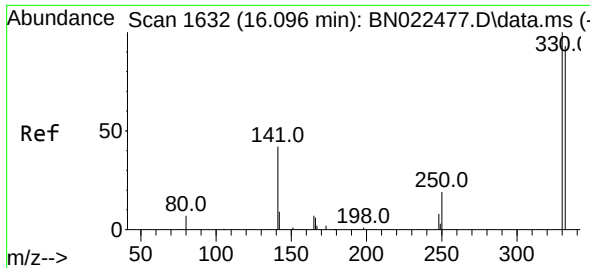


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.011 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11



Tgt Ion:164 Resp: 10005
Ion Ratio Lower Upper
164 100
162 104.2 82.0 123.0
160 49.4 39.4 59.2





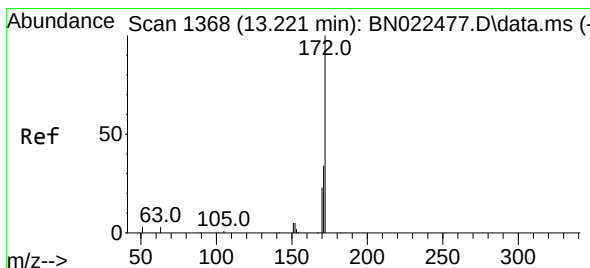
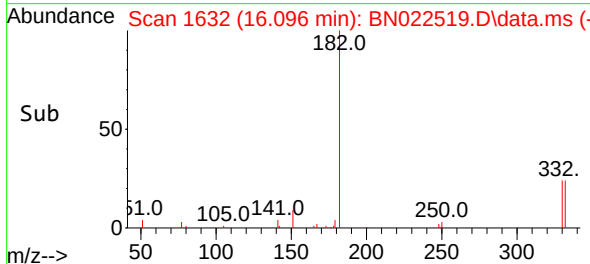
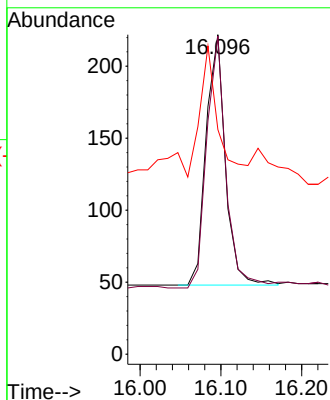
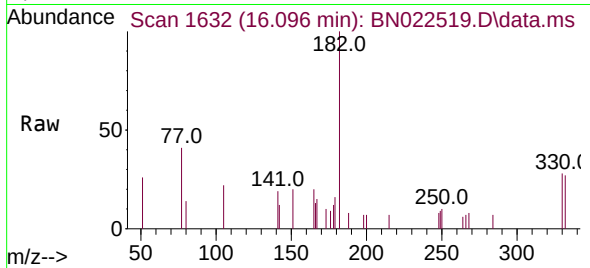
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2,4,6-Tribromophenol
Concen: 0.055 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2

Tgt Ion:330 Resp: 288
Ion Ratio Lower Upper
330 100
332 101.7 77.8 116.8
141 46.5 35.0 52.6

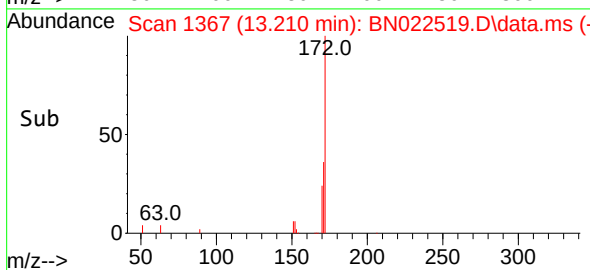
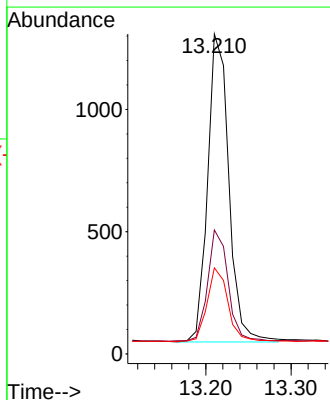
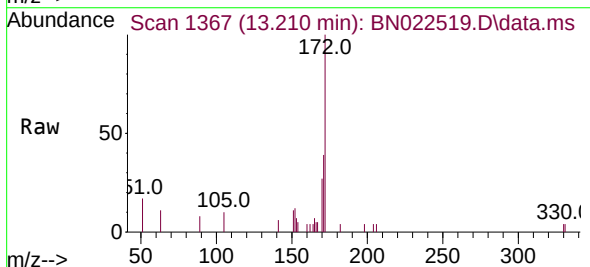
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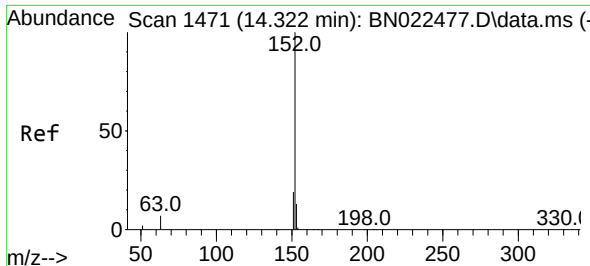
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#15
2-Fluorobiphenyl
Concen: 0.052 ng
RT: 13.210 min Scan# 1367
Delta R.T. -0.011 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Tgt Ion:172 Resp: 2177
Ion Ratio Lower Upper
172 100
171 38.7 27.9 41.9
170 26.9 19.2 28.8





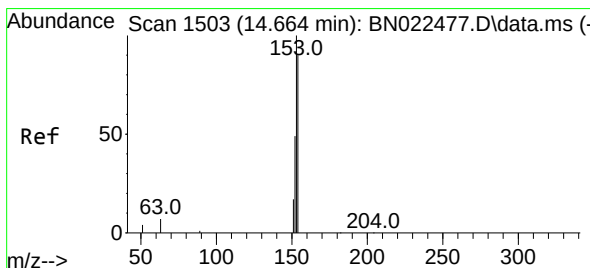
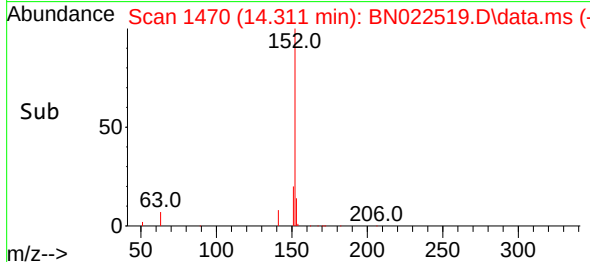
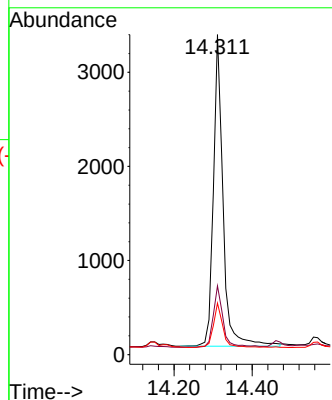
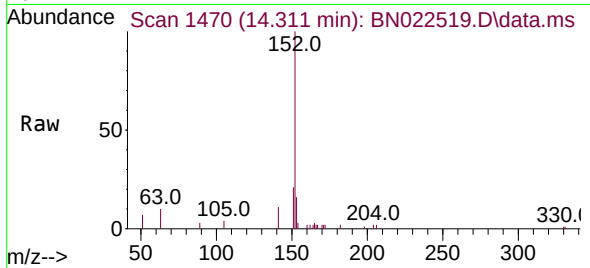
#16
Acenaphthylene
Concen: 0.112 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.011 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2

Tgt Ion:152 Resp: 5682
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.6
153 14.0 10.3 15.5

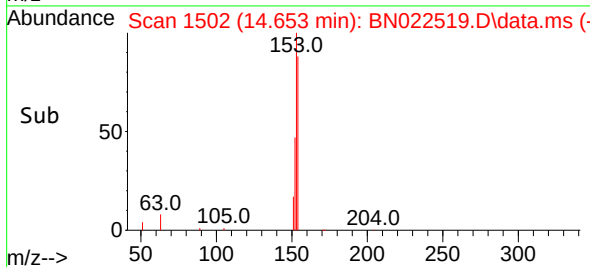
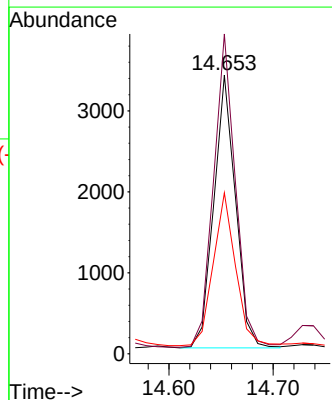
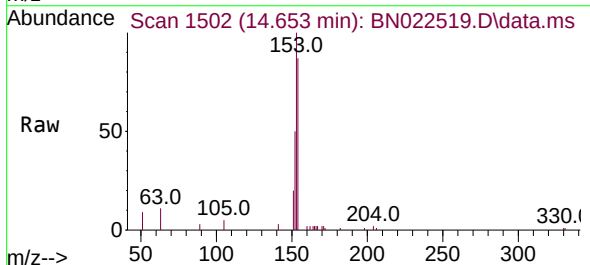
Manual Integrations
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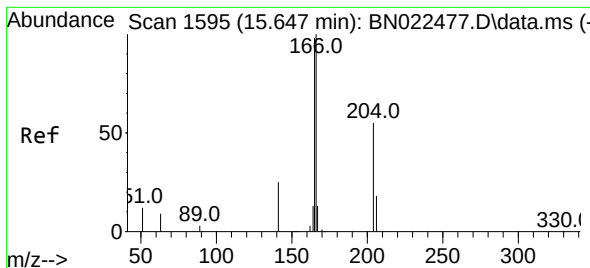
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#17
Acenaphthene
Concen: 0.149 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.011 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Tgt Ion:154 Resp: 4892
Ion Ratio Lower Upper
154 100
153 114.7 91.8 137.8
152 57.5 45.7 68.5





#18

Fluorene

Concen: 0.145 ng

RT: 15.647 min Scan# 1595

Delta R.T. 0.000 min

Lab File: BN022519.D

Acq: 04 Nov 2022 22:11

Instrument :

BNA_N

ClientSampleId :

S-13-103122DL2

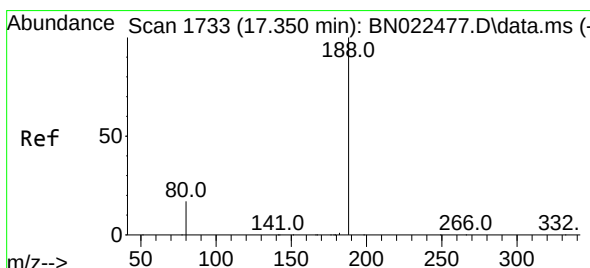
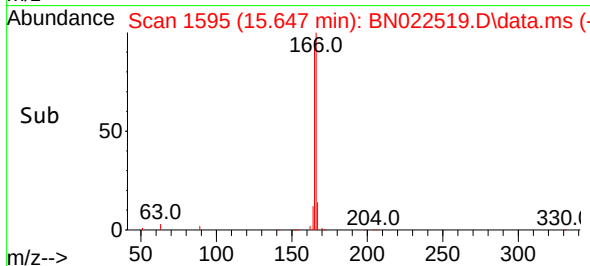
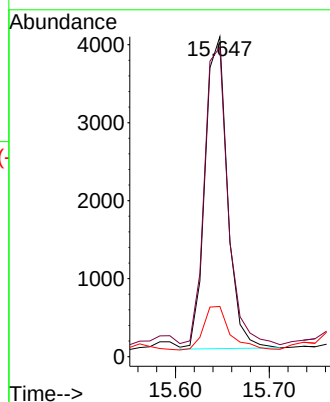
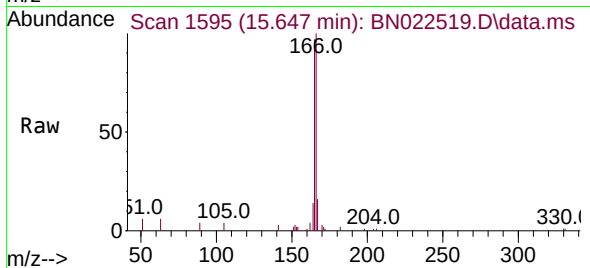
Tgt Ion:	166	Resp:	666
Ion Ratio	Lower	Upper	
166	100		
165	100.2	78.7	118.1
167	16.5	10.2	15.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/07/2022



#19

Phenanthrene-d10

Concen: 0.400 ng

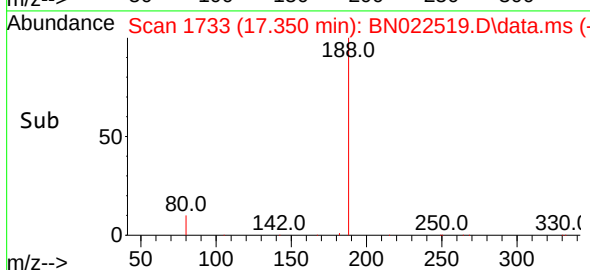
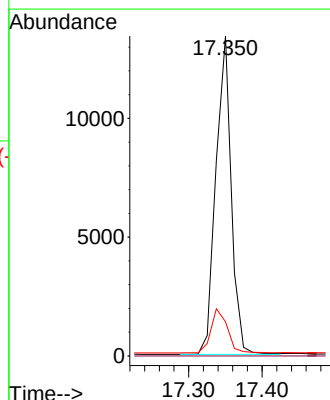
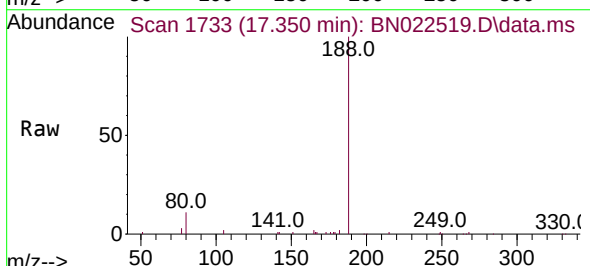
RT: 17.350 min Scan# 1733

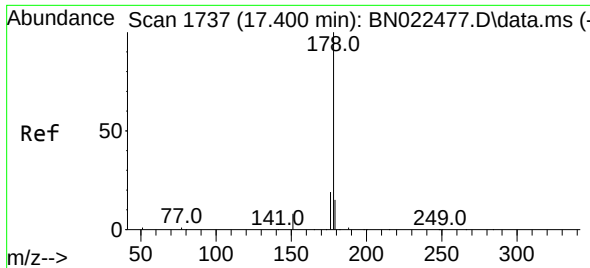
Delta R.T. 0.000 min

Lab File: BN022519.D

Acq: 04 Nov 2022 22:11

Tgt Ion:	188	Resp:	19612
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.7	14.6	21.8





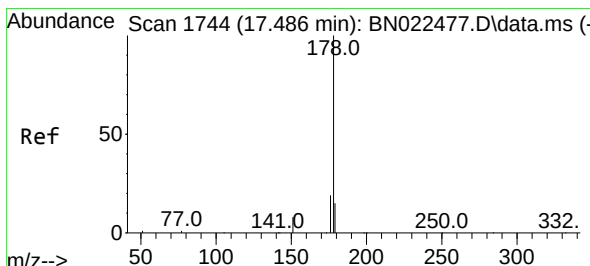
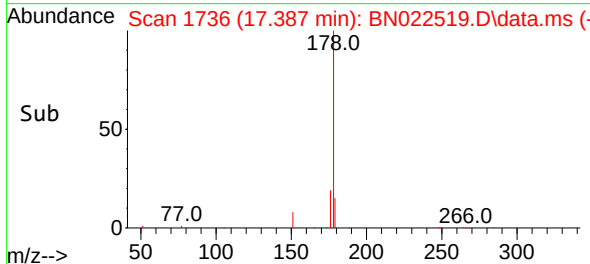
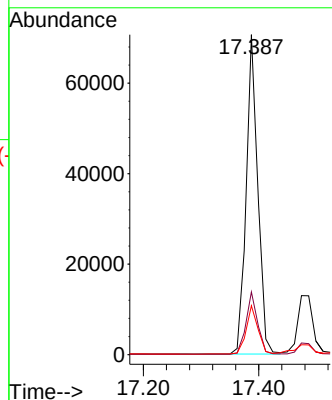
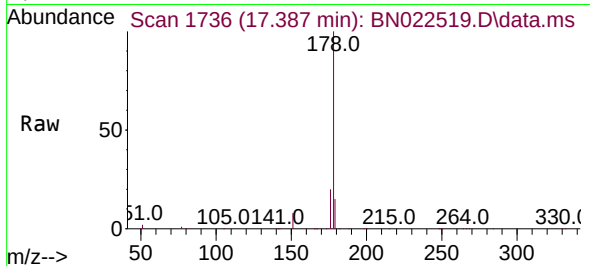
#25
Phenanthrene
Concen: 1.501 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2

Tgt Ion:178 Resp: 98359
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.3 12.2 18.4

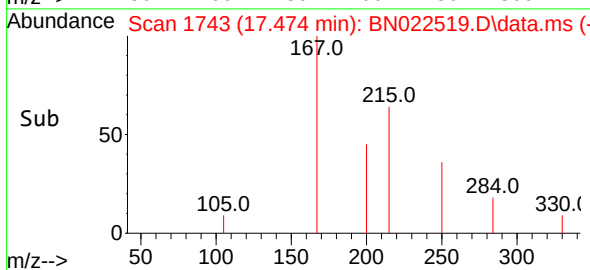
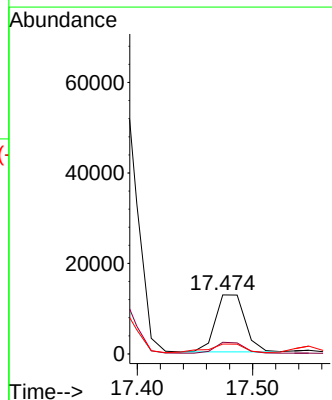
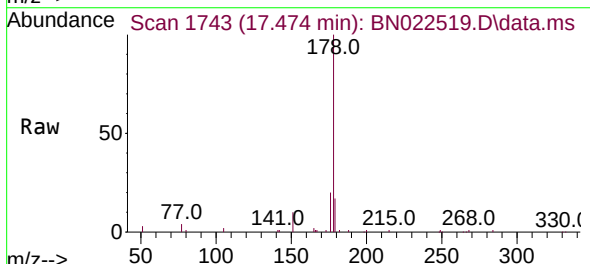
Manual Integrations
APPROVED

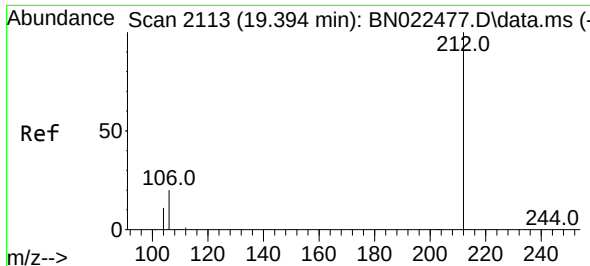
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#26
Anthracene
Concen: 0.388 ng
RT: 17.474 min Scan# 1743
Delta R.T. -0.012 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

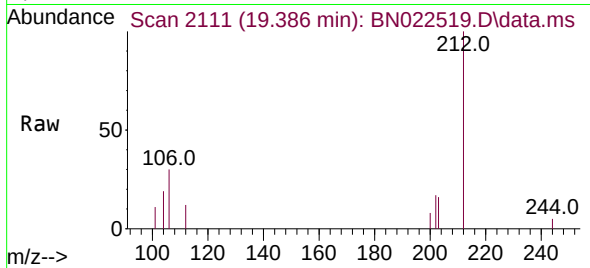
Tgt Ion:178 Resp: 22400
Ion Ratio Lower Upper
178 100
176 19.7 14.8 22.2
179 18.2 12.2 18.2





#27
Fluoranthene-d10
Concen: 0.041 ng
RT: 19.386 min Scan# 2111
Delta R.T. -0.008 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

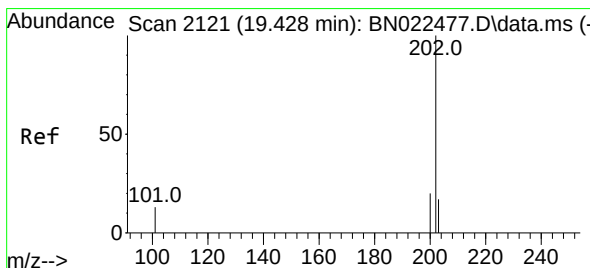
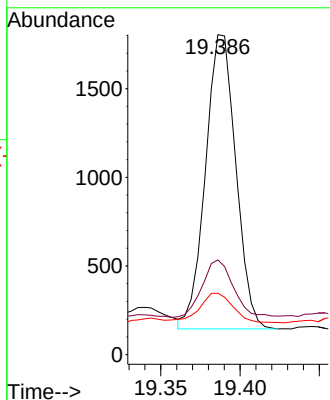
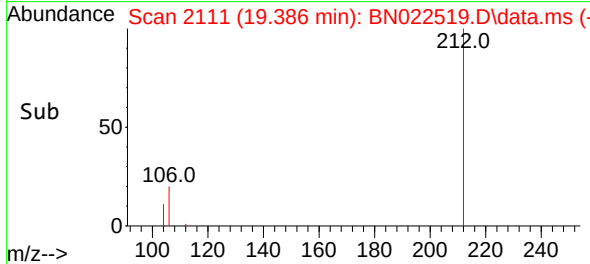
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2



Tgt Ion:212 Resp: 2216
Ion Ratio Lower Upper
212 100
106 20.1 15.2 22.8
104 11.1 8.6 12.8

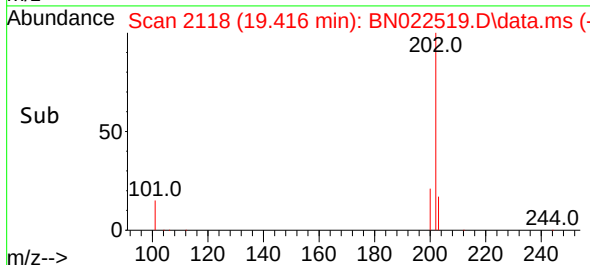
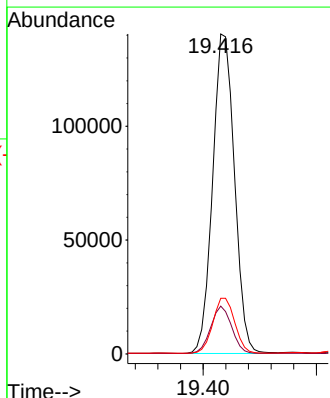
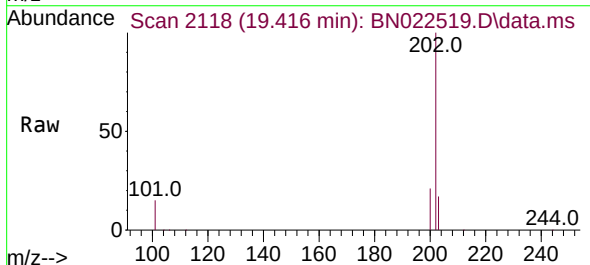
Manual Integrations
APPROVED

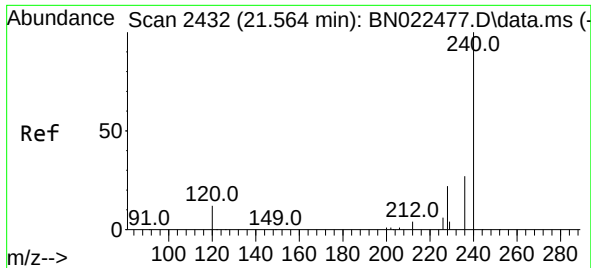
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#28
Fluoranthene
Concen: 2.660 ng
RT: 19.416 min Scan# 2118
Delta R.T. -0.013 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

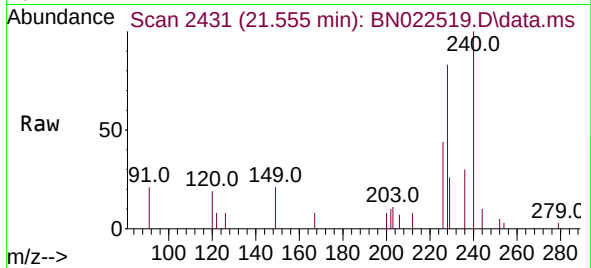
Tgt Ion:202 Resp: 187892
Ion Ratio Lower Upper
202 100
101 14.2 11.2 16.8
203 17.3 13.6 20.4





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.555 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

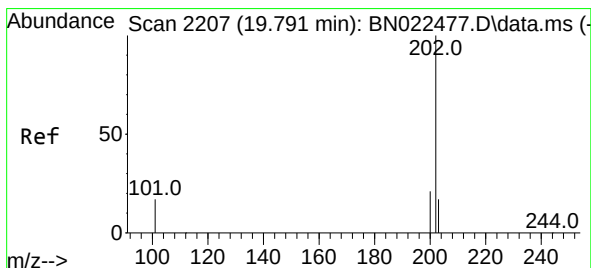
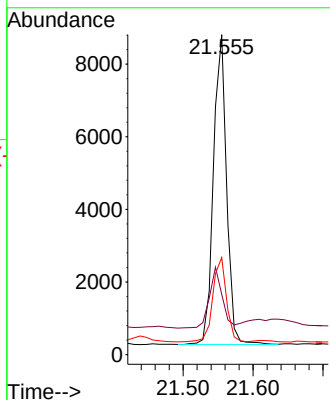
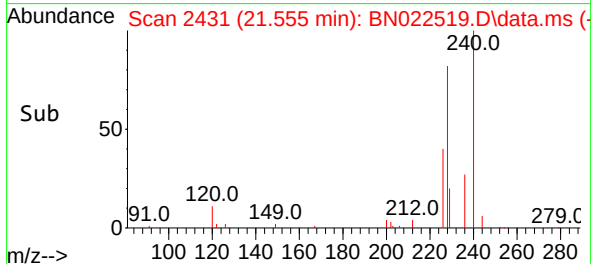
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2



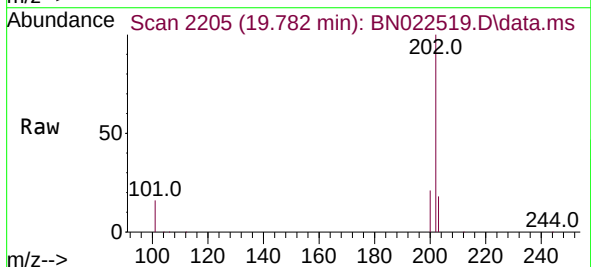
Tgt Ion:240 Resp: 11173
Ion Ratio Lower Upper
240 100
120 18.8 12.4 18.6
236 30.3 22.7 34.1

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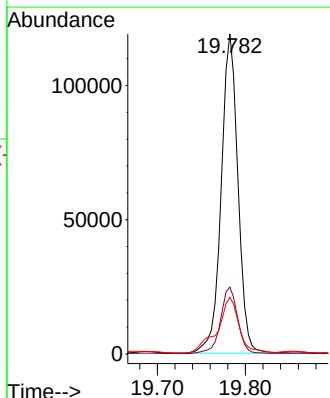
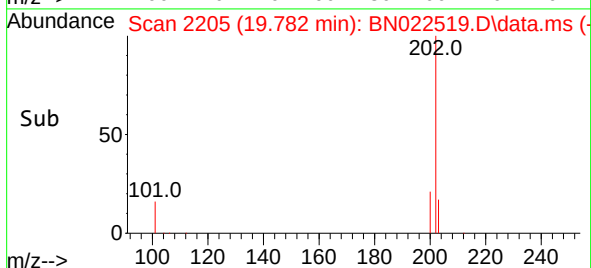
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

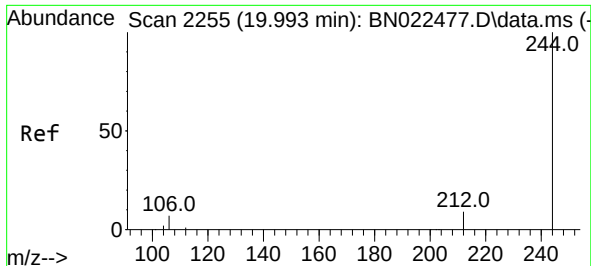


#30
Pyrene
Concen: 3.251 ng
RT: 19.782 min Scan# 2205
Delta R.T. -0.008 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11



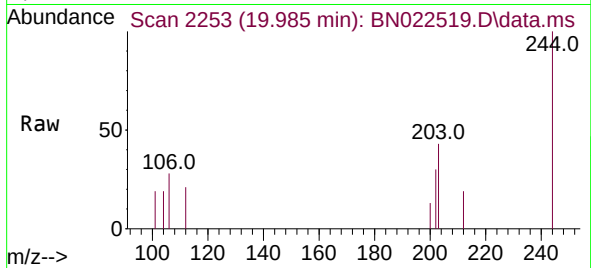
Tgt Ion:202 Resp: 156834
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 22.3 14.3 21.5#





#31
Terphenyl-d14
Concen: 0.055 ng
RT: 19.985 min Scan# 21
Delta R.T. -0.008 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

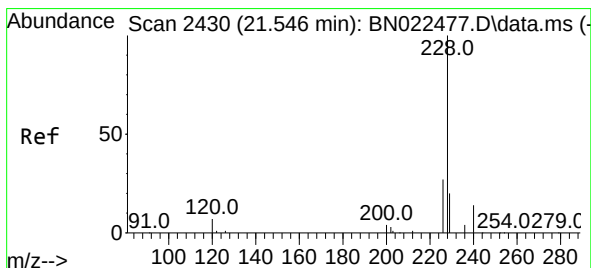
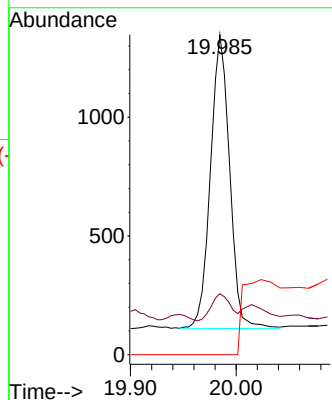
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2



Tgt Ion:244 Resp: 1929
Ion Ratio Lower Upper
244 100
212 19.1 7.8 11.8
122 0.0 0.0 0.0

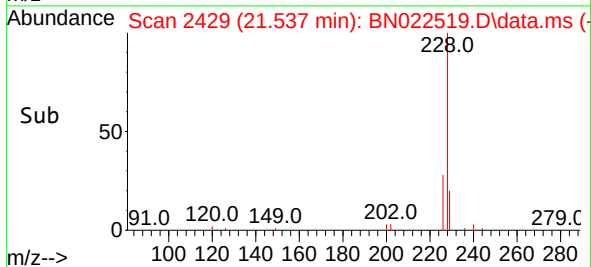
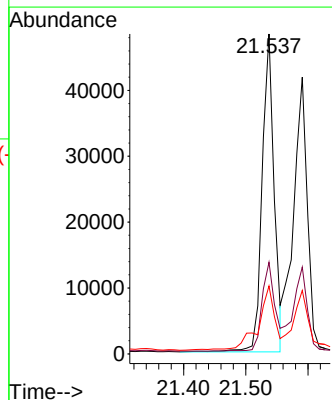
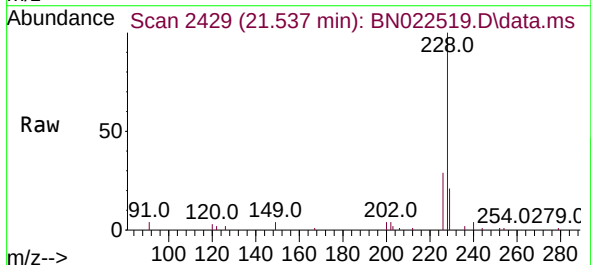
Manual Integrations
APPROVED

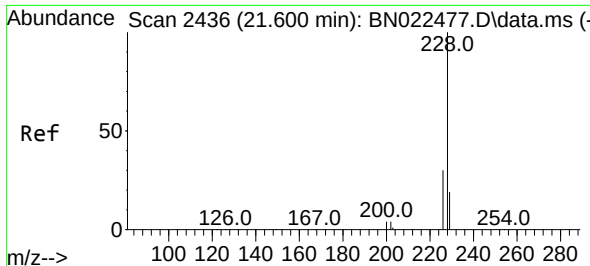
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#32
Benzo(a)anthracene
Concen: 1.445 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

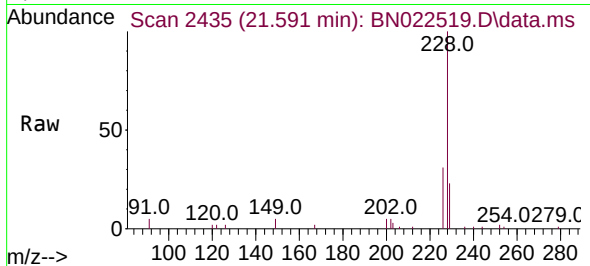
Tgt Ion:228 Resp: 64911
Ion Ratio Lower Upper
228 100
226 28.6 22.1 33.1
229 21.2 16.4 24.6





#33
Chrysene
Concen: 1.449 ng
RT: 21.591 min Scan# 2436
Delta R.T. -0.009 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

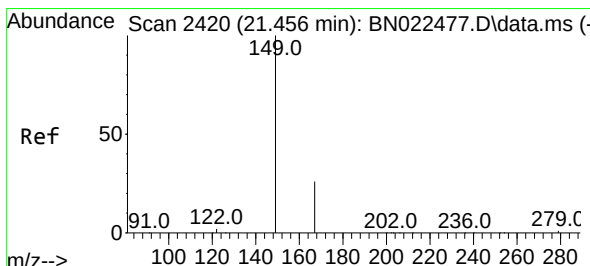
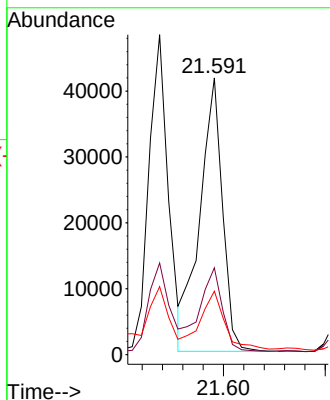
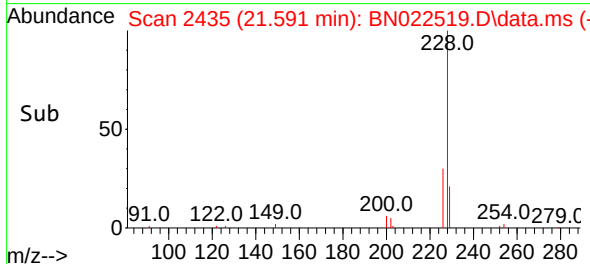
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2



Tgt Ion:228 Resp: 6446
Ion Ratio Lower Upper
228 100
226 31.3 24.1 36.1
229 22.9 15.9 23.9

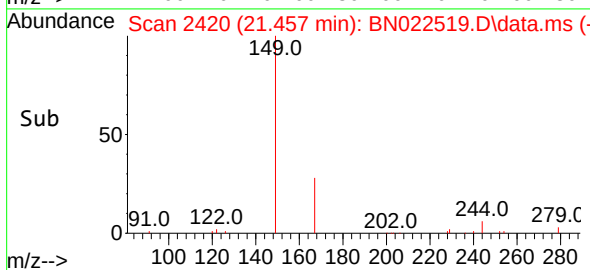
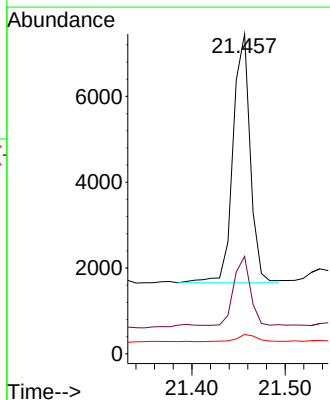
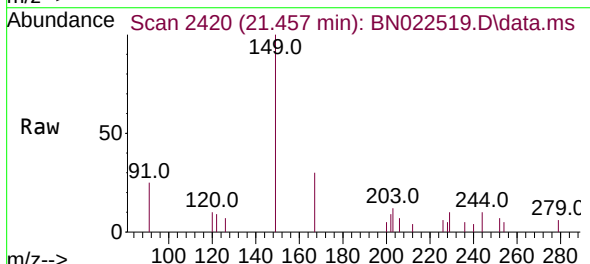
Manual Integrations
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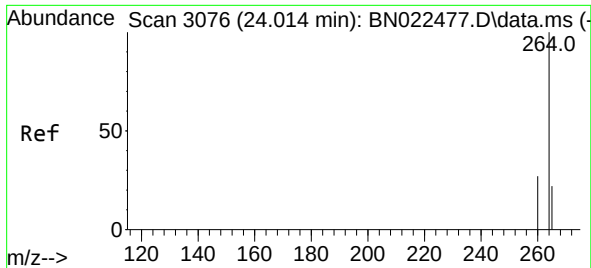
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.196 ng
RT: 21.457 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

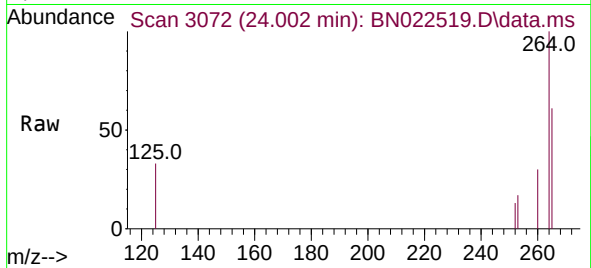
Tgt Ion:149 Resp: 7426
Ion Ratio Lower Upper
149 100
167 27.1 21.3 31.9
279 3.4 2.7 4.1





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.002 min Scan# 3076
 Delta R.T. -0.012 min
 Lab File: BN022519.D
 Acq: 04 Nov 2022 22:11

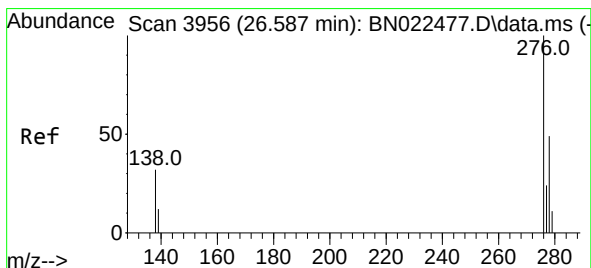
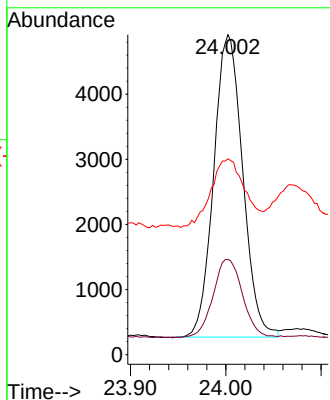
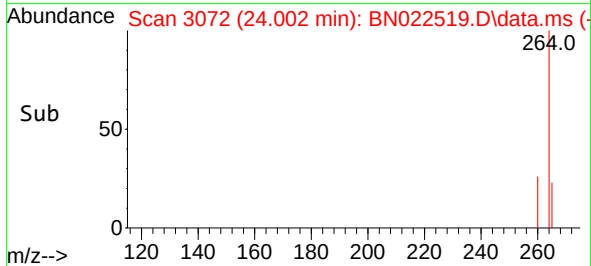
Instrument :
 BNA_N
 ClientSampleId :
 S-13-103122DL2



Tgt Ion:264 Resp: 9831
 Ion Ratio Lower Upper
 264 100
 260 29.8 22.4 33.6
 265 61.2 44.4 66.6

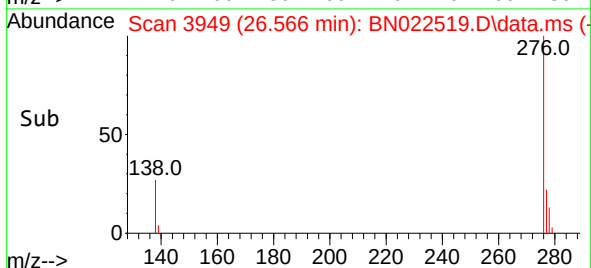
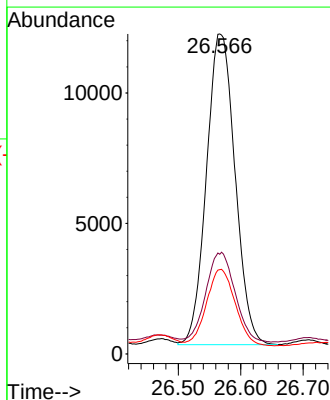
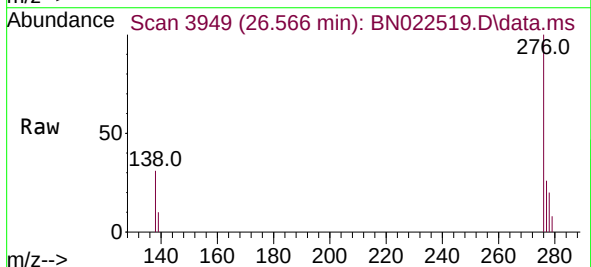
Manual Integrations
 APPROVED

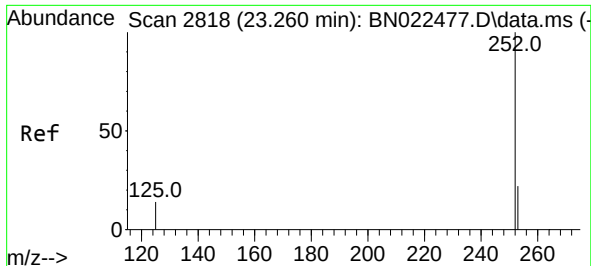
Reviewed By :Christian Giraldo 11/05/2022
 Supervised By :Jagrut Upadhyay 11/07/2022



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.802 ng
 RT: 26.566 min Scan# 3949
 Delta R.T. -0.020 min
 Lab File: BN022519.D
 Acq: 04 Nov 2022 22:11

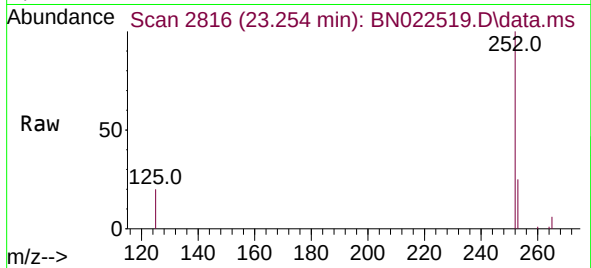
Tgt Ion:276 Resp: 37984
 Ion Ratio Lower Upper
 276 100
 138 29.5 27.5 41.3
 277 24.8 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 2.053 ng
RT: 23.254 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

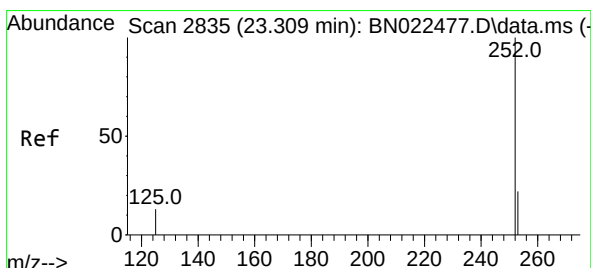
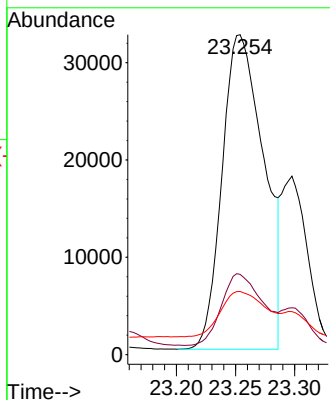
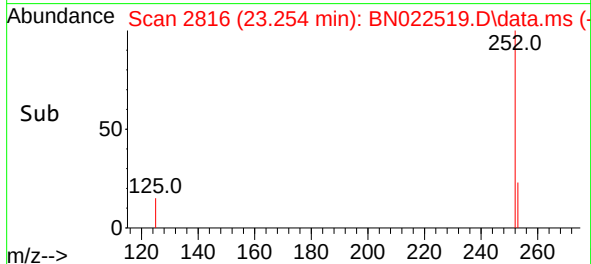
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2



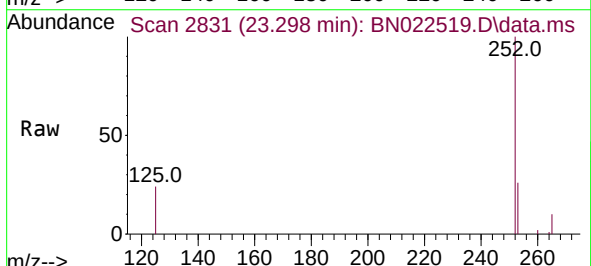
Tgt Ion:252 Resp: 79379
Ion Ratio Lower Upper
252 100
253 25.1 21.1 31.7
125 19.7 16.8 25.2

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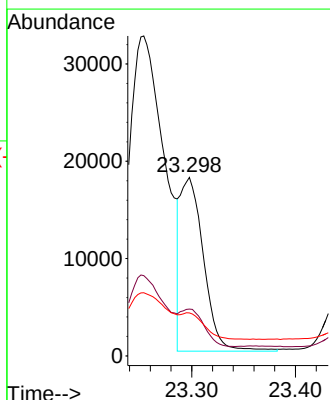
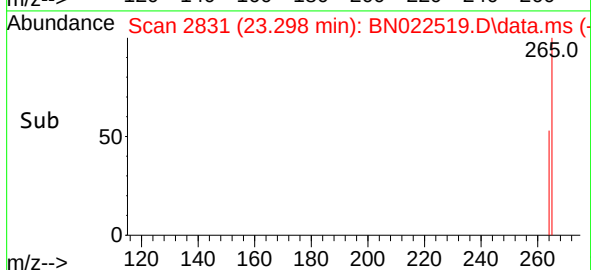
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022

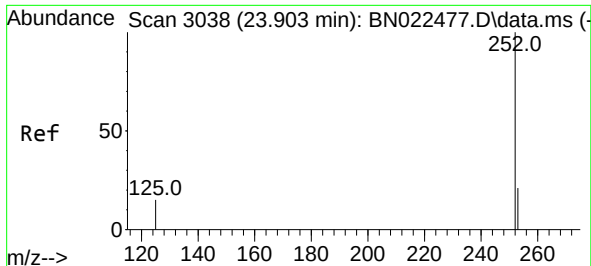


#38
Benzo(k)fluoranthene
Concen: 0.706 ng m
RT: 23.298 min Scan# 2831
Delta R.T. -0.012 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11



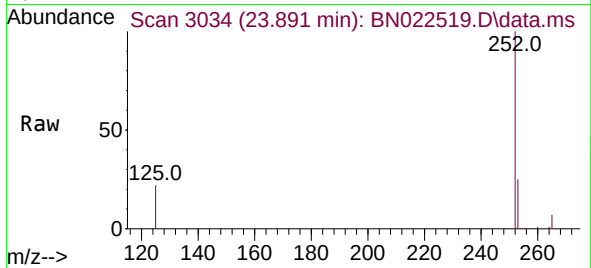
Tgt Ion:252 Resp: 27846
Ion Ratio Lower Upper
252 100
253 26.3 20.9 31.3
125 24.0 16.1 24.1





#39
Benzo(a)pyrene
Concen: 1.627 ng
RT: 23.891 min Scan# 3038
Delta R.T. -0.012 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

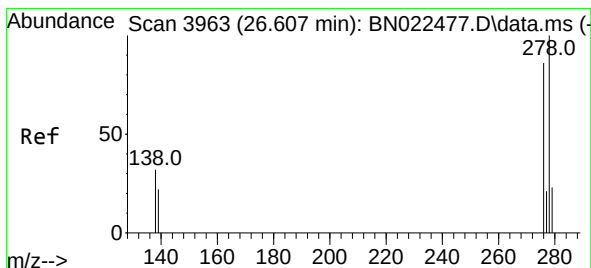
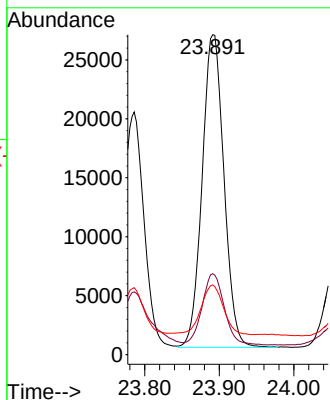
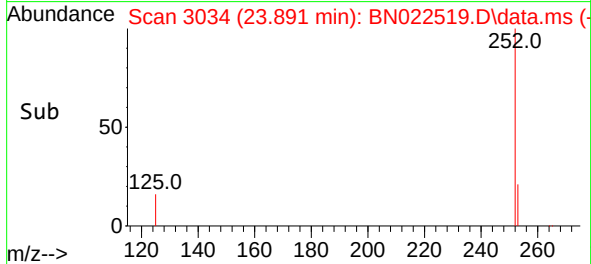
Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2



Tgt Ion:252 Resp: 53868
Ion Ratio Lower Upper
252 100
253 25.3 22.0 33.0
125 21.8 19.8 29.8

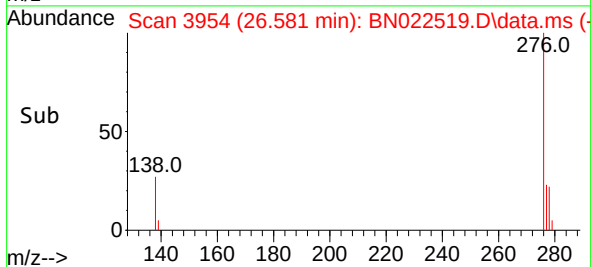
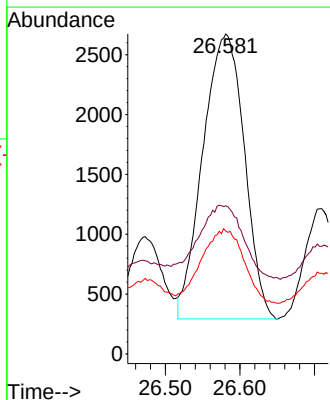
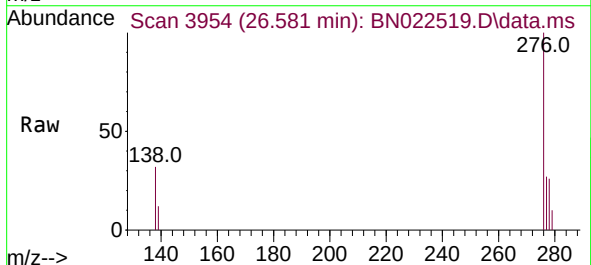
Manual Integrations
APPROVED

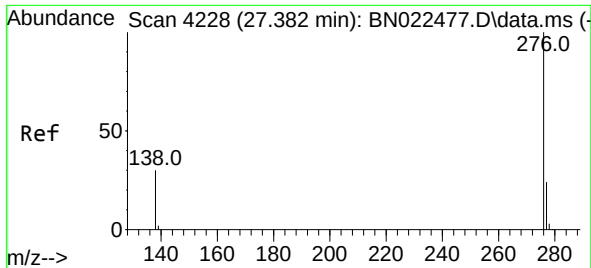
Reviewed By :Christian Giraldo 11/05/2022
Supervised By :Jagrut Upadhyay 11/07/2022



#40
Dibenzo(a,h)anthracene
Concen: 0.245 ng
RT: 26.581 min Scan# 3954
Delta R.T. -0.026 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

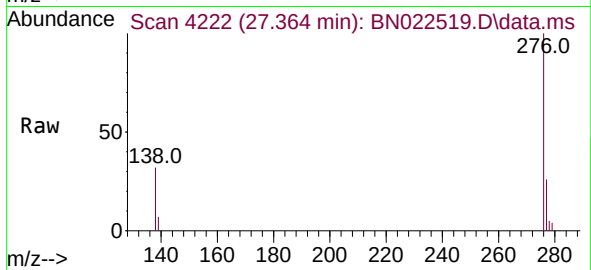
Tgt Ion:278 Resp: 9209
Ion Ratio Lower Upper
278 100
139 46.3 21.8 32.6#
279 38.4 21.5 32.3#





#41
Benzo(g,h,i)perylene
Concen: 0.944 ng
RT: 27.364 min Scan# 41
Delta R.T. -0.017 min
Lab File: BN022519.D
Acq: 04 Nov 2022 22:11

Instrument :
BNA_N
ClientSampleId :
S-13-103122DL2



Tgt Ion: 276 Resp: 37754
Ion Ratio Lower Upper
276 100
277 25.5 21.0 31.4
138 32.4 26.0 39.0

Manual Integrations
APPROVED

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

