

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102722\
 Data File : BN022354.D
 Acq On : 27 Oct 2022 03:47
 Operator : CG/JU
 Sample : N5234-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LSP-SS-03-03-05

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/27/2022
 Supervised By : Jagrut Upadhyay 10/28/2022

Quant Time: Oct 27 08:32:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 07:14:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.942	152	3772	0.400	ng	0.00
7) Naphthalene-d8	10.763	136	11924	0.400	ng	#-0.01
13) Acenaphthene-d10	14.610	164	6701	0.400	ng	0.00
19) Phenanthrene-d10	17.362	188	14369	0.400	ng	# 0.00
29) Chrysene-d12	21.564	240	11405	0.400	ng	0.00
35) Perylene-d12	24.026	264	7874	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.472	112	2232	0.222	ng	0.00
5) Phenol-d6	7.104	99	3451	0.274	ng	0.00
8) Nitrobenzene-d5	9.119	82	2202m	0.214	ng	0.00
11) 2-Methylnaphthalene-d10	12.365	152	3854	0.206	ng	0.00
14) 2,4,6-Tribromophenol	16.109	330	256	0.089	ng	0.00
15) 2-Fluorobiphenyl	13.231	172	6322	0.221	ng	-0.01
27) Fluoranthene-d10	19.403	212	8122	0.205	ng	0.00
31) Terphenyl-d14	19.997	244	6980	0.235	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.816	128	3673	0.103	ng	96
16) Acenaphthylene	14.333	152	3681	0.113	ng	97
17) Acenaphthene	14.675	154	3999	0.181	ng	100
18) Fluorene	15.658	166	8751	0.284	ng	98
25) Phenanthrene	17.400	178	107753	2.187	ng	99
26) Anthracene	17.499	178	24177	0.583	ng	99
28) Fluoranthene	19.432	202	191312	3.582	ng	100
30) Pyrene	19.795	202	196607	3.746	ng	98
32) Benzo(a)anthracene	21.546	228	71564	1.594	ng	99
33) Chrysene	21.600	228	61506	1.311	ng	98
34) Bis(2-ethylhexyl)phtha...	21.466	149	10456	0.315	ng	98
36) Indeno(1,2,3-cd)pyrene	26.599	276	26809	0.689	ng	93
37) Benzo(b)fluoranthene	23.271	252	67689	1.878	ng	# 94
38) Benzo(k)fluoranthene	23.315	252	23227m	0.648	ng	
39) Benzo(a)pyrene	23.912	252	48451m	1.652	ng	
40) Dibenzo(a,h)anthracene	26.610	278	5585	0.184	ng	# 89
41) Benzo(g,h,i)perylene	27.397	276	29474	0.920	ng	99

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

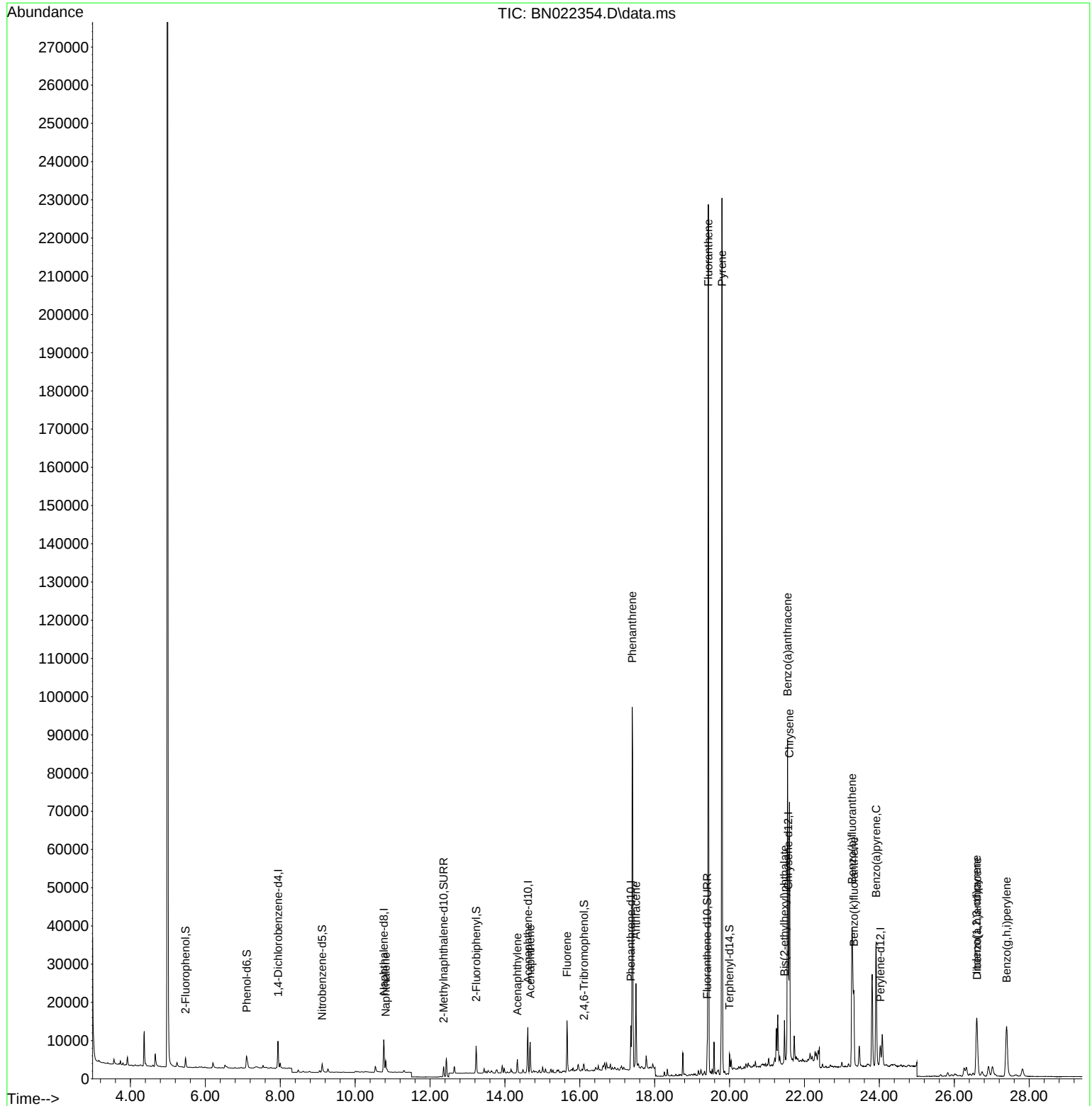
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102722\
Data File : BN022354.D
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ALS Vial : 18 Sample Multiplier: 1

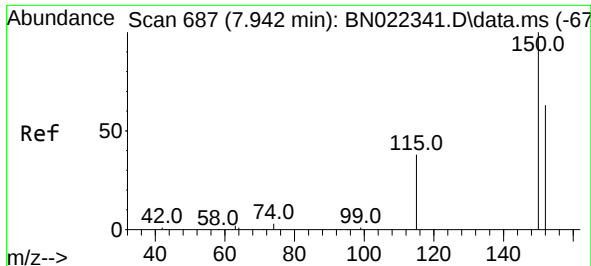
Instrument :
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Quant Time: Oct 27 08:32:41 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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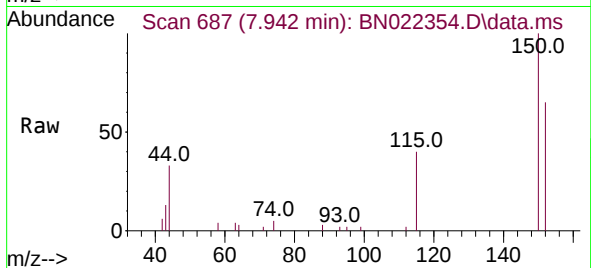
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.942 min Scan# 687
Delta R.T. 0.000 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

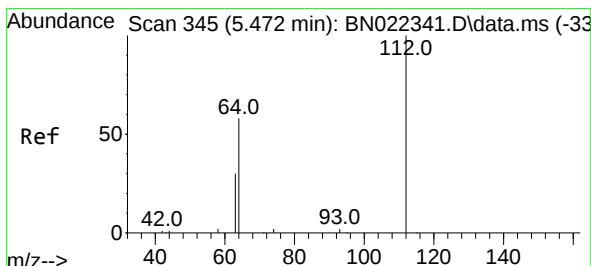
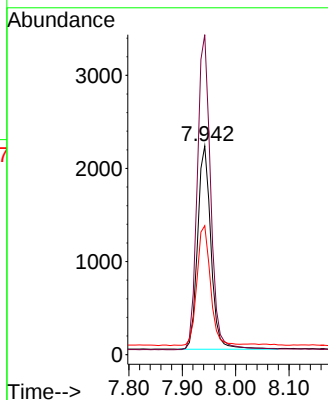
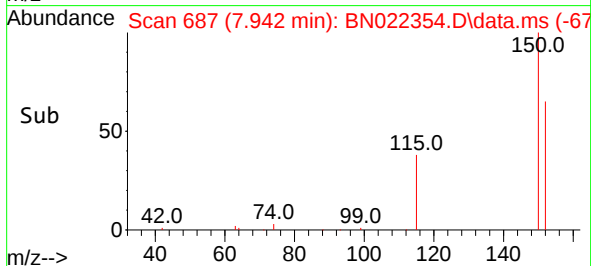
Instrument :
BNA_N
ClientSampleId :
LSP-SS-03-03-05



Tgt Ion:152 Resp: 3772
Ion Ratio Lower Upper
152 100
150 153.3 125.2 187.8
115 61.7 52.0 78.0

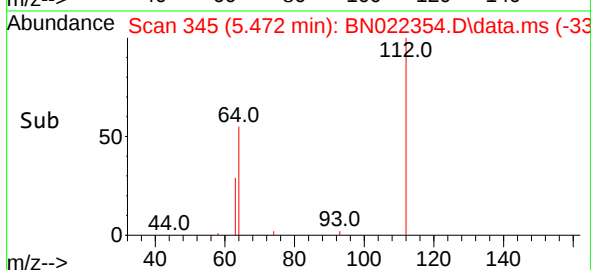
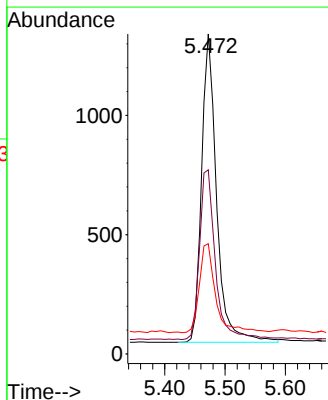
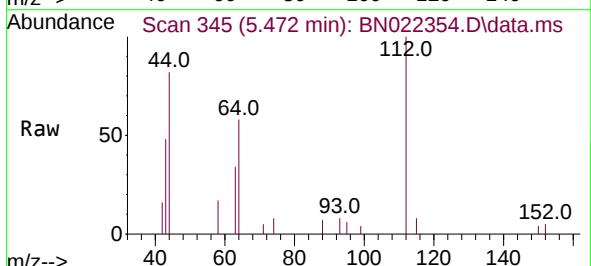
Manual Integrations
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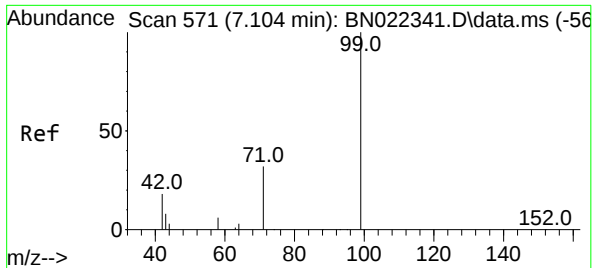
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/28/2022



#4
2-Fluorophenol
Concen: 0.222 ng
RT: 5.472 min Scan# 345
Delta R.T. 0.000 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

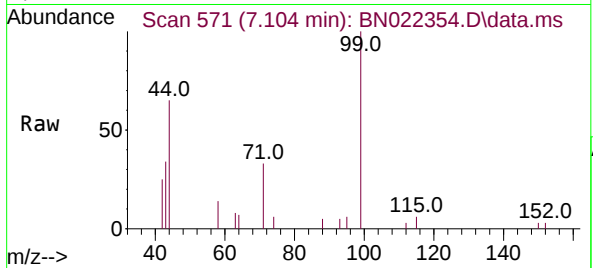
Tgt Ion:112 Resp: 2232
Ion Ratio Lower Upper
112 100
64 58.6 47.0 70.4
63 31.4 24.5 36.7





#5
Phenol-d6
Concen: 0.274 ng
RT: 7.104 min Scan# 571
Delta R.T. 0.000 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

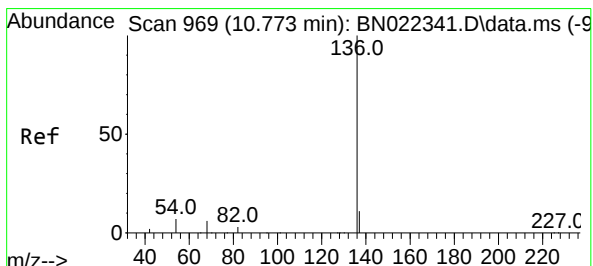
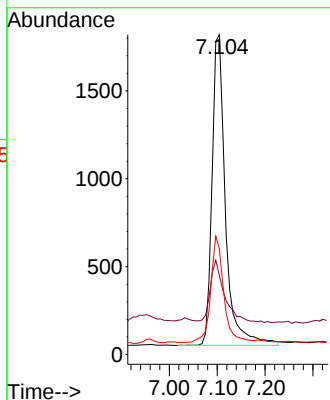
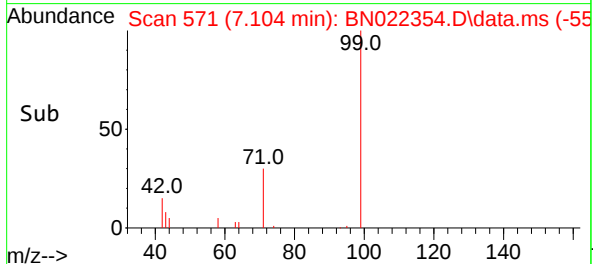
Instrument :
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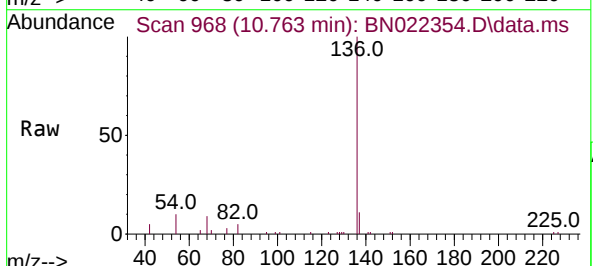
Tgt Ion: 99 Resp: 3451
Ion Ratio Lower Upper
99 100
42 21.6 16.3 24.5
71 32.8 26.1 39.1

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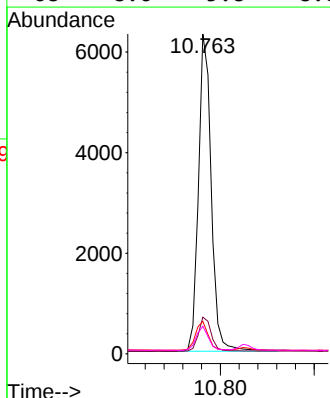
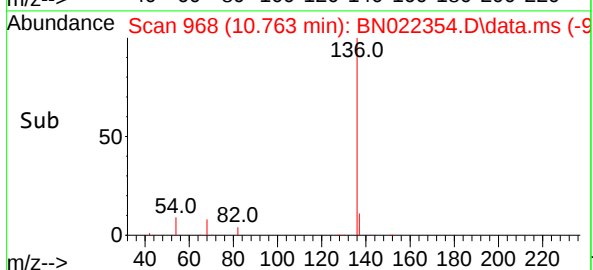
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/28/2022

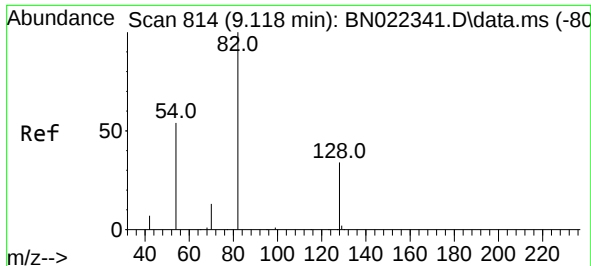


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.763 min Scan# 968
Delta R.T. -0.011 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47



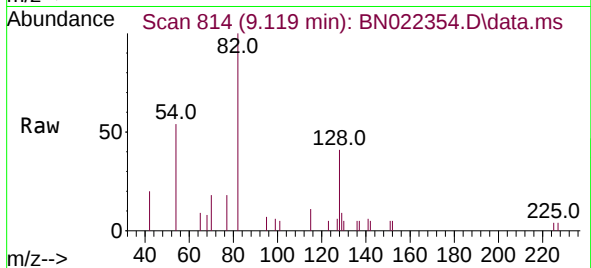
Tgt Ion:136 Resp: 11924
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.2
54 10.2 6.5 9.7#
68 8.6 5.8 8.8





#8
Nitrobenzene-d5
Concen: 0.214 ng m
RT: 9.119 min Scan# 814
Delta R.T. 0.000 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

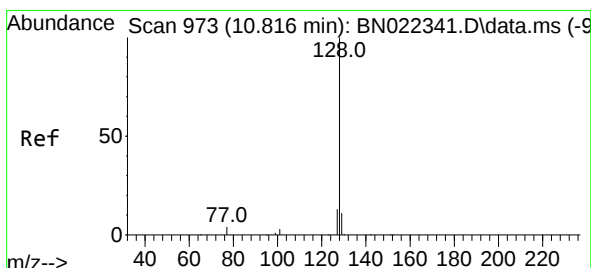
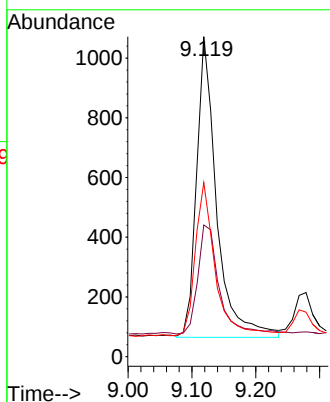
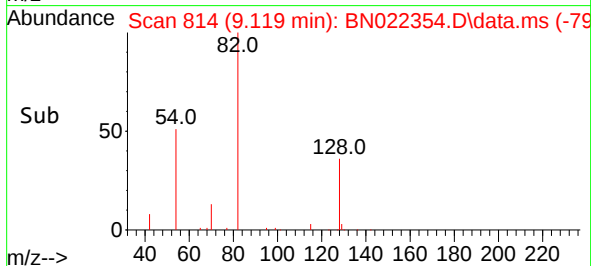
Instrument :
BNA_N
ClientSampleId :
LSP-SS-03-03-05



Tgt Ion: 82 Resp: 2202
Ion Ratio Lower Upper
82 100
128 41.1 30.5 45.7
54 54.4 45.2 67.8

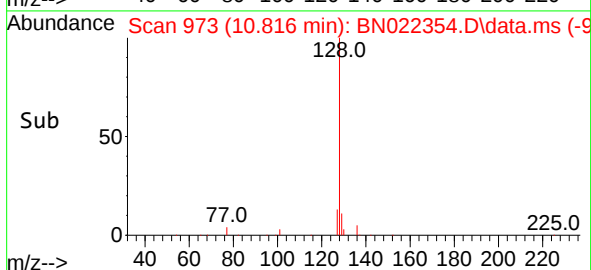
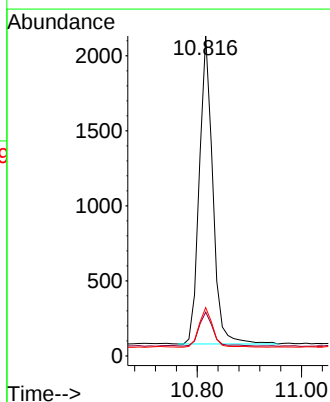
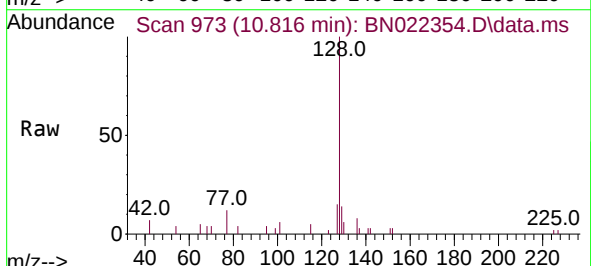
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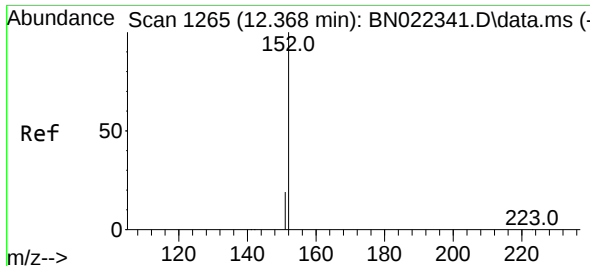
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/28/2022



#9
Naphthalene
Concen: 0.103 ng
RT: 10.816 min Scan# 973
Delta R.T. 0.000 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

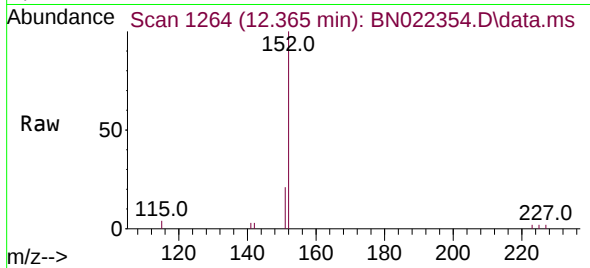
Tgt Ion:128 Resp: 3673
Ion Ratio Lower Upper
128 100
129 13.7 9.4 14.2
127 15.1 11.0 16.6





#11
2-Methylnaphthalene-d10
Concen: 0.206 ng
RT: 12.365 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

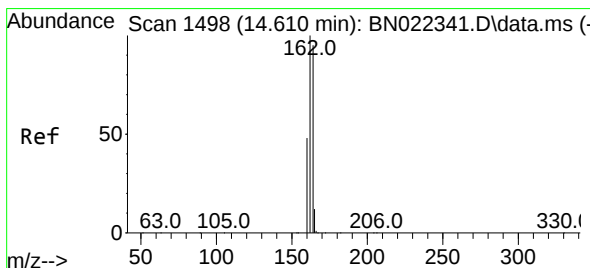
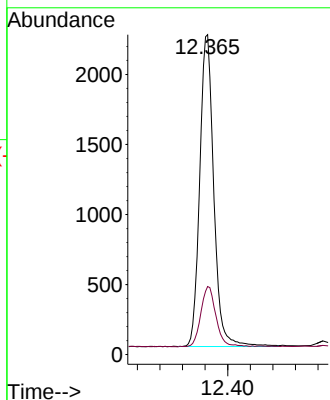
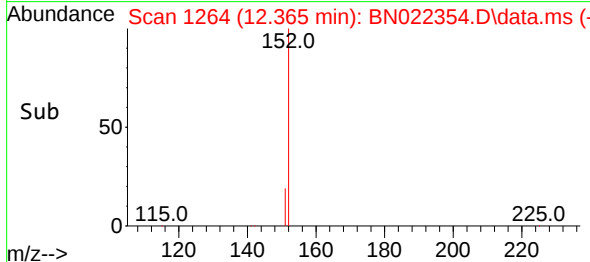
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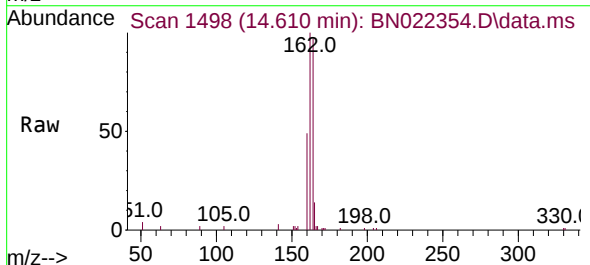
Tgt Ion:152 Resp: 3854
Ion Ratio Lower Upper
152 100
151 21.0 16.7 25.1

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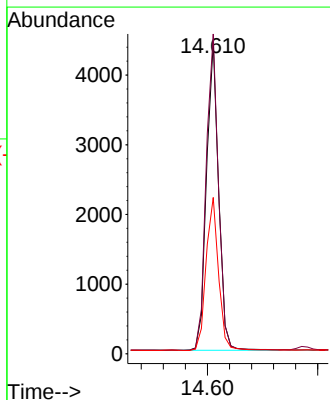
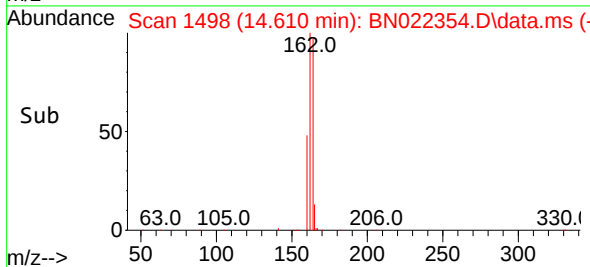
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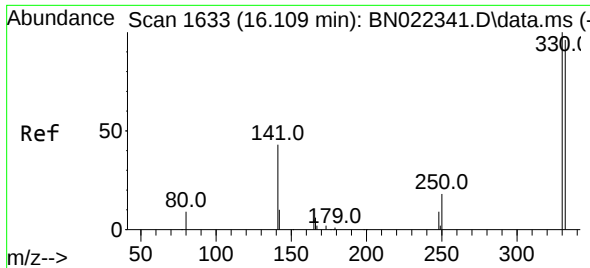


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.610 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47



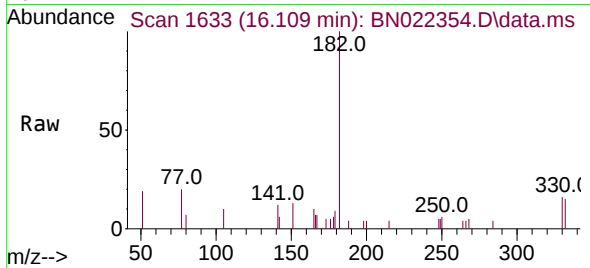
Tgt Ion:164 Resp: 6701
Ion Ratio Lower Upper
164 100
162 102.9 83.9 125.9
160 50.3 41.0 61.4





#14
2,4,6-Tribromophenol
Concen: 0.089 ng
RT: 16.109 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

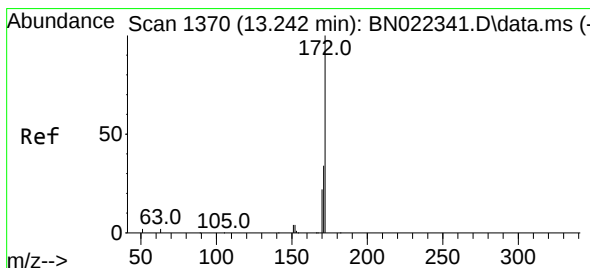
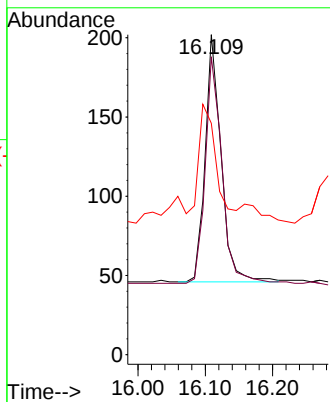
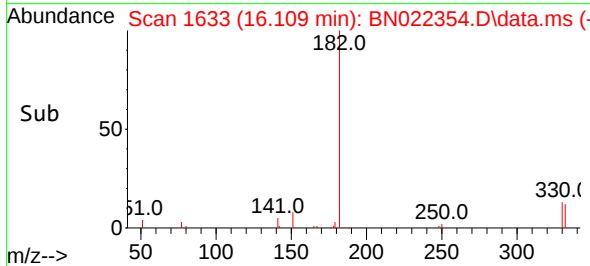
Instrument :
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Tgt Ion: 330 Resp: 256
Ion Ratio Lower Upper
330 100
332 96.1 78.6 118.0
141 50.8 40.2 60.4

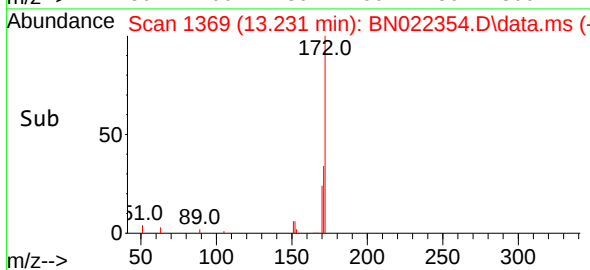
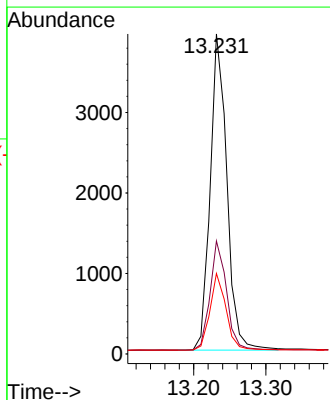
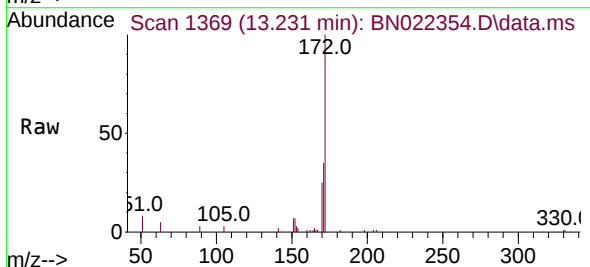
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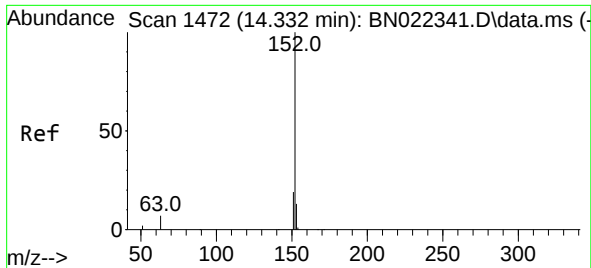
Reviewed By : Christian Giraldo 10/27/2022
Supervised By : Jagrut Upadhyay 10/28/2022



#15
2-Fluorobiphenyl
Concen: 0.221 ng
RT: 13.231 min Scan# 1369
Delta R.T. -0.011 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

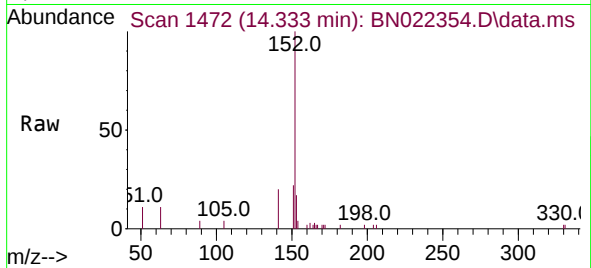
Tgt Ion: 172 Resp: 6322
Ion Ratio Lower Upper
172 100
171 35.3 27.4 41.0
170 25.1 18.5 27.7





#16
Acenaphthylene
Concen: 0.113 ng
RT: 14.333 min Scan# 1472
Delta R.T. 0.000 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

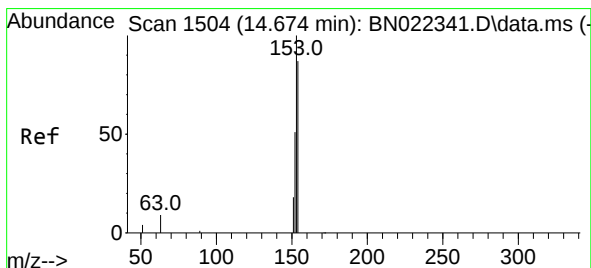
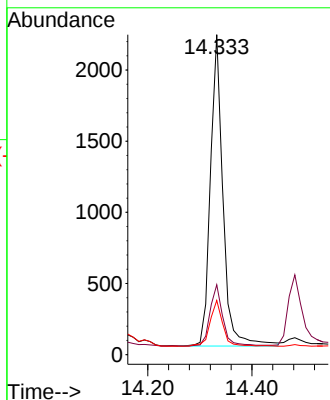
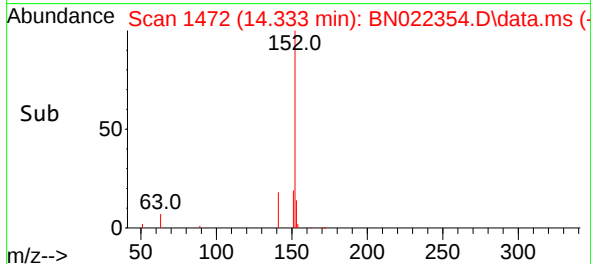
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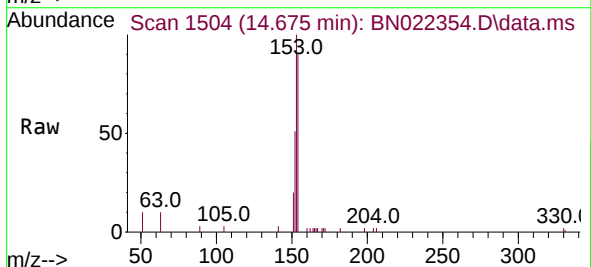
Tgt Ion:152 Resp: 3681
Ion Ratio Lower Upper
152 100
151 19.9 15.2 22.8
153 15.0 10.3 15.5

Manual Integrations
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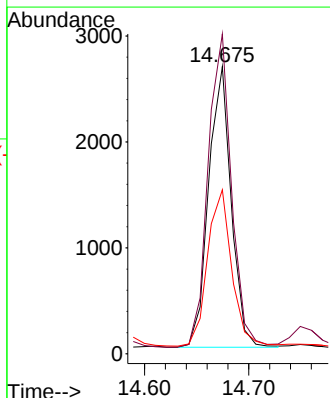
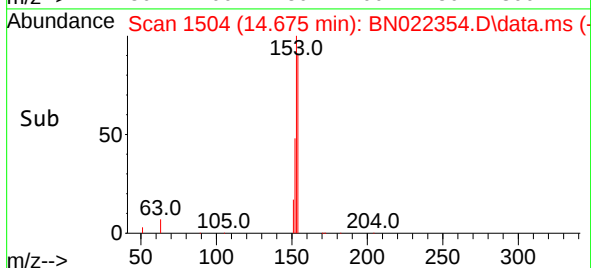
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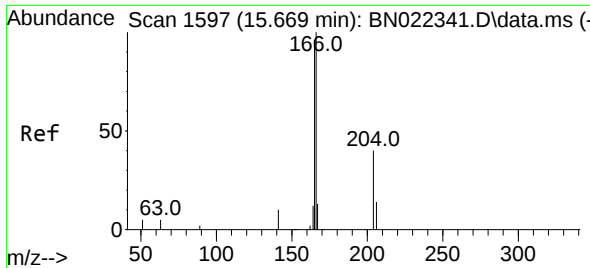


#17
Acenaphthene
Concen: 0.181 ng
RT: 14.675 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47



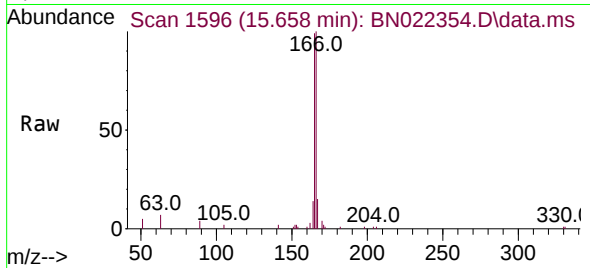
Tgt Ion:154 Resp: 3999
Ion Ratio Lower Upper
154 100
153 115.2 92.2 138.2
152 59.5 47.6 71.4





#18
Fluorene
Concen: 0.284 ng
RT: 15.658 min Scan# 1596
Delta R.T. -0.011 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

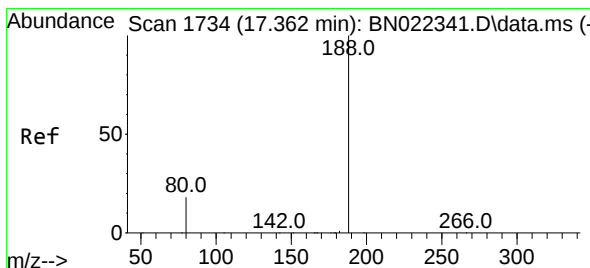
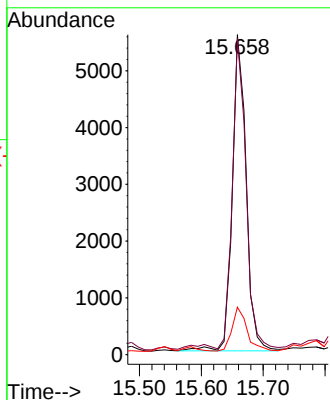
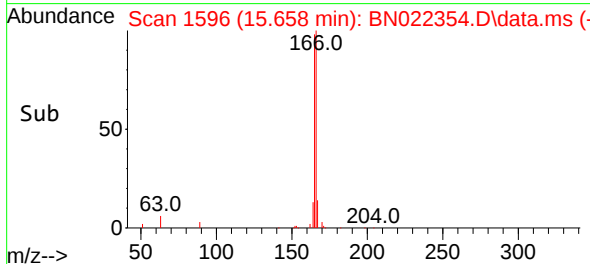
Instrument :
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Tgt Ion:166 Resp: 875
Ion Ratio Lower Upper
166 100
165 97.2 78.6 118.0
167 15.1 10.2 15.4

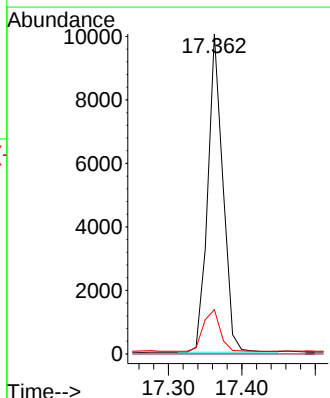
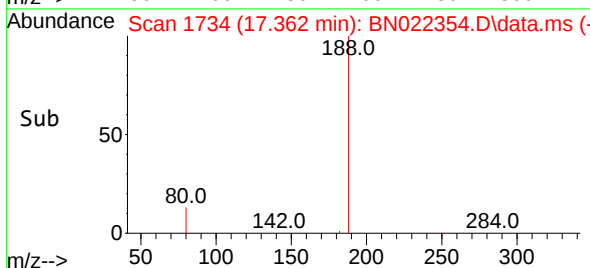
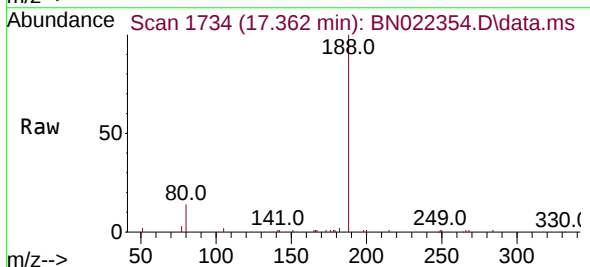
Manual Integrations
APPROVED

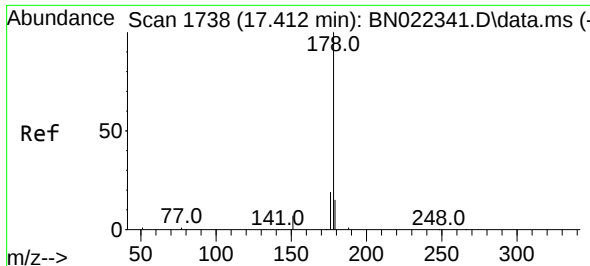
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/28/2022



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.362 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

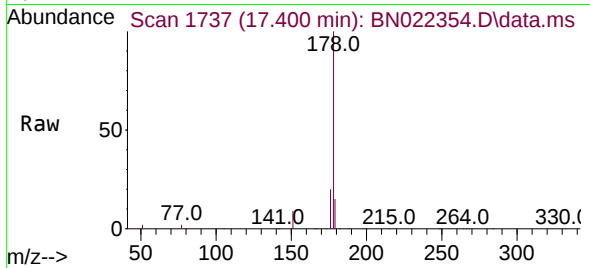
Tgt Ion:188 Resp: 14369
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.8 15.0 22.6#





#25
Phenanthrene
Concen: 2.187 ng
RT: 17.400 min Scan# 1738
Delta R.T. -0.012 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

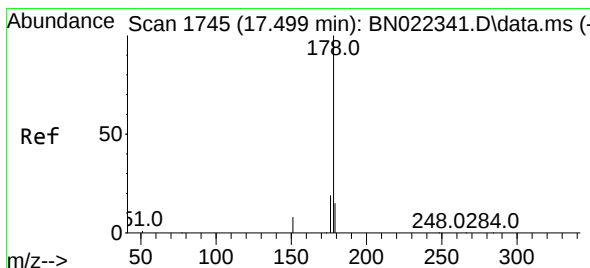
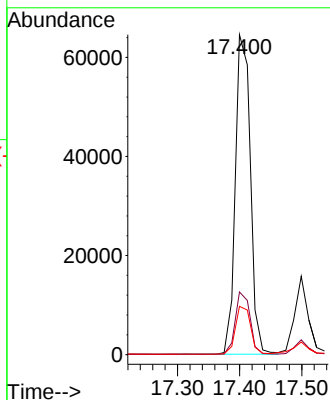
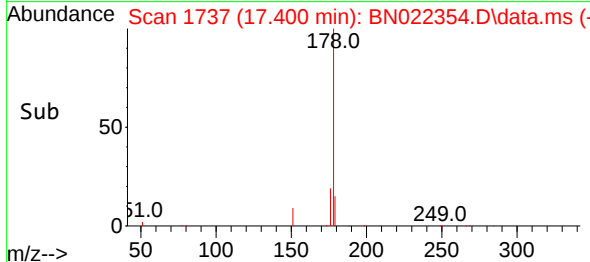
Instrument :
BNA_N
ClientSampleId :
LSP-SS-03-03-05



Tgt Ion:178 Resp: 107753
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.2 12.5 18.7

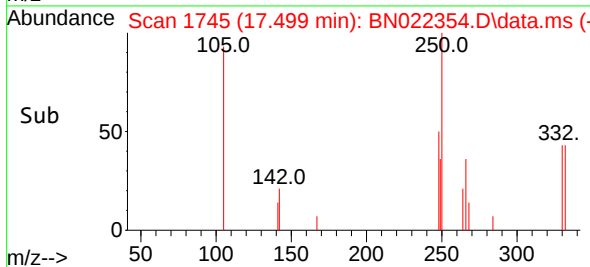
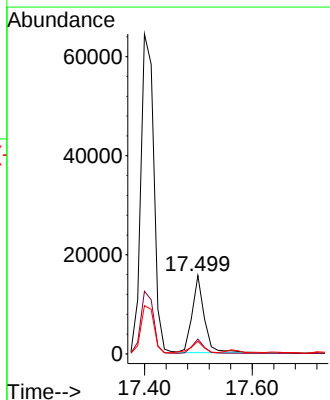
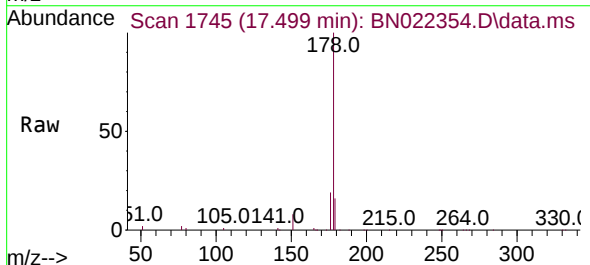
Manual Integrations
APPROVED

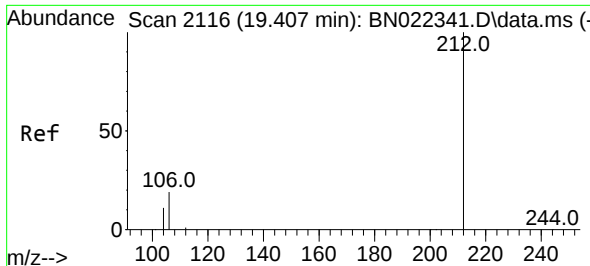
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/28/2022



#26
Anthracene
Concen: 0.583 ng
RT: 17.499 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

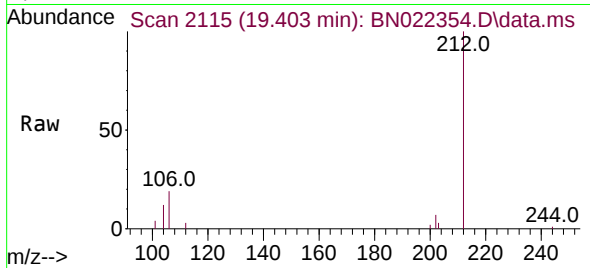
Tgt Ion:178 Resp: 24177
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 15.6 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.205 ng
RT: 19.403 min Scan# 2115
Delta R.T. -0.004 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

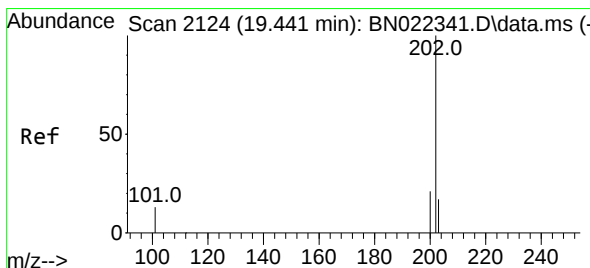
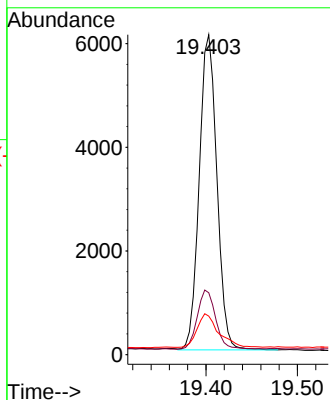
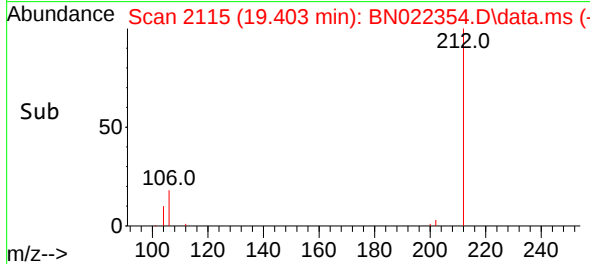
Instrument :
BNA_N
ClientSampleId :
LSP-SS-03-03-05



Tgt Ion:212 Resp: 812
Ion Ratio Lower Upper
212 100
106 19.5 15.0 22.4
104 12.9 9.3 13.9

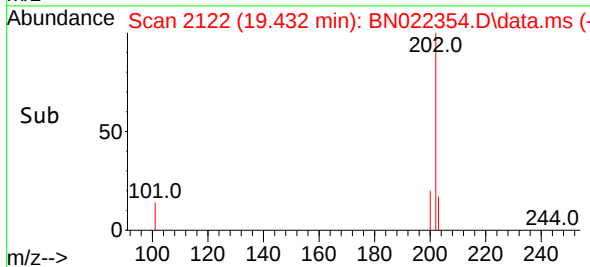
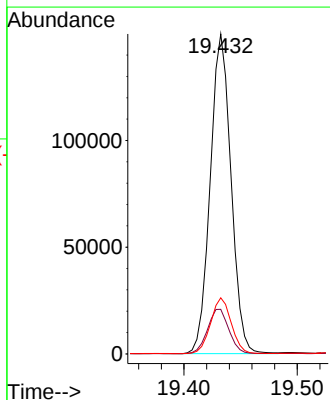
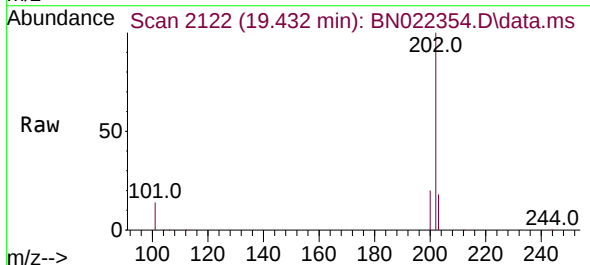
Manual Integrations
APPROVED

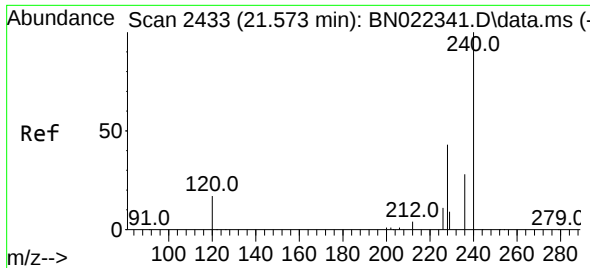
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/28/2022



#28
Fluoranthene
Concen: 3.582 ng
RT: 19.432 min Scan# 2122
Delta R.T. -0.008 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

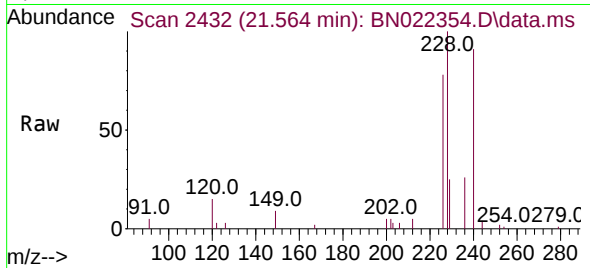
Tgt Ion:202 Resp: 191312
Ion Ratio Lower Upper
202 100
101 14.3 11.4 17.0
203 17.3 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.564 min Scan# 2433
Delta R.T. -0.009 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

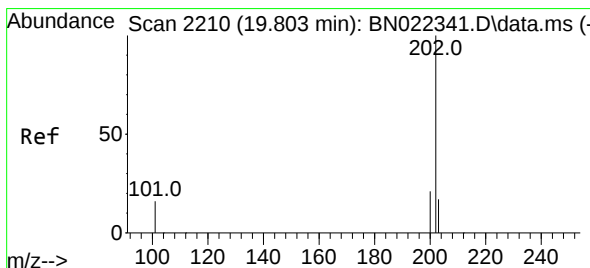
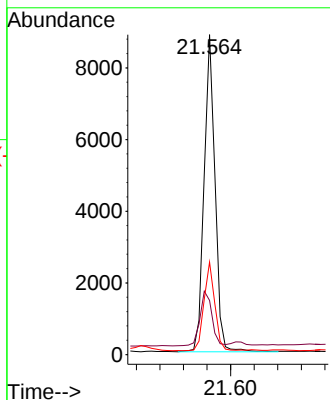
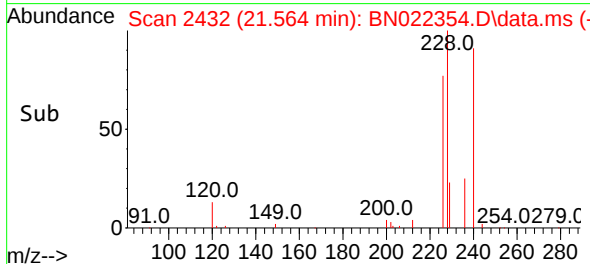
Instrument :
BNA_N
ClientSampleId :
LSP-SS-03-03-05



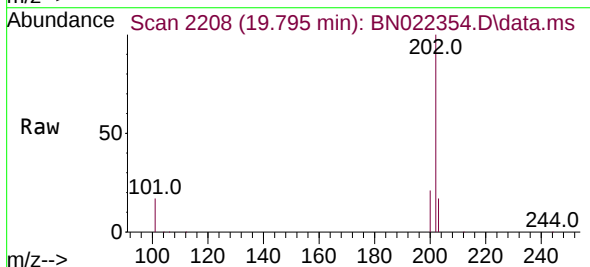
Tgt Ion:240 Resp: 11405
Ion Ratio Lower Upper
240 100
120 16.9 15.8 23.6
236 28.9 23.2 34.8

Manual Integrations
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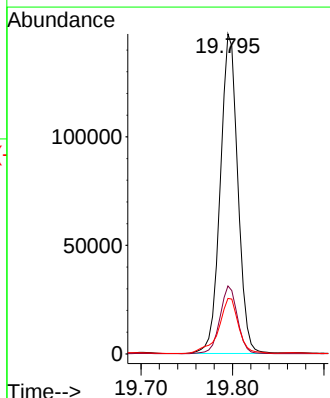
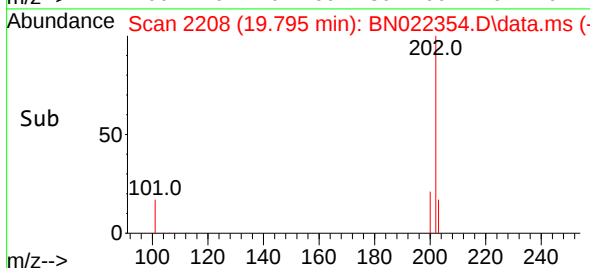
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/28/2022

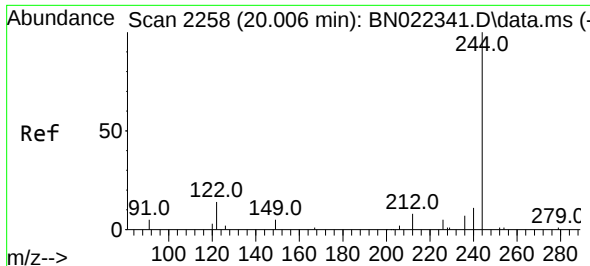


#30
Pyrene
Concen: 3.746 ng
RT: 19.795 min Scan# 2208
Delta R.T. -0.008 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47



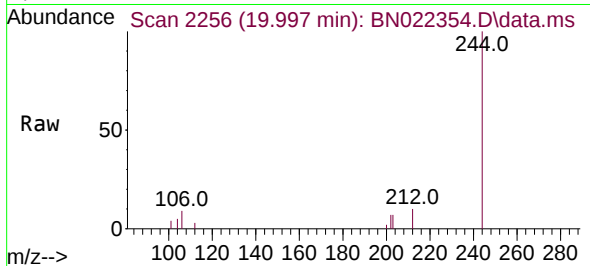
Tgt Ion:202 Resp: 196607
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 19.6 14.2 21.2





#31
 Terphenyl-d14
 Concen: 0.235 ng
 RT: 19.997 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BN022354.D
 Acq: 27 Oct 2022 03:47

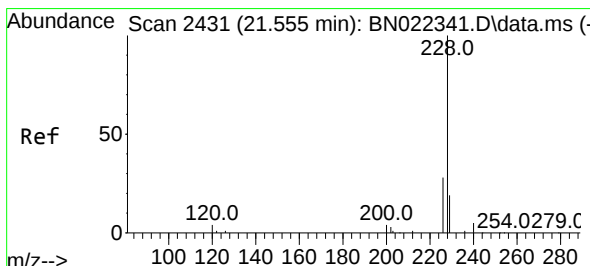
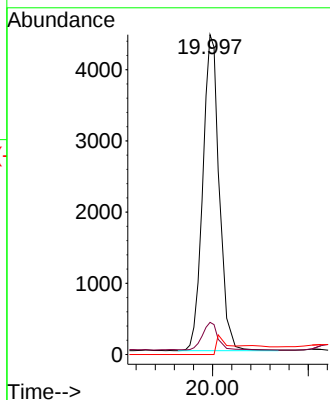
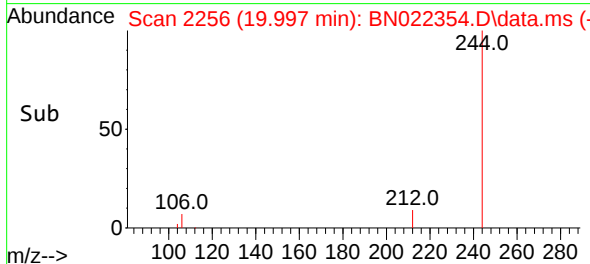
Instrument :
 BNA_N
 ClientSampleId :
 LSP-SS-03-03-05



Tgt Ion:244 Resp: 6980
 Ion Ratio Lower Upper
 244 100
 212 10.1 7.0 10.4
 122 0.0 11.5 17.3

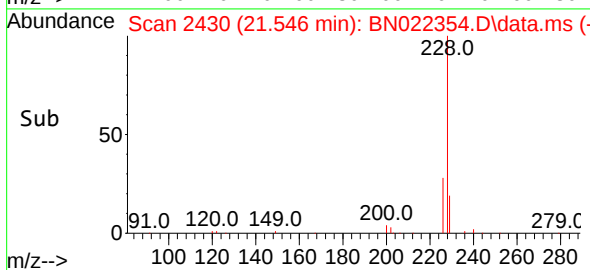
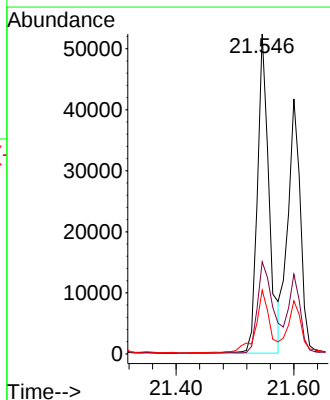
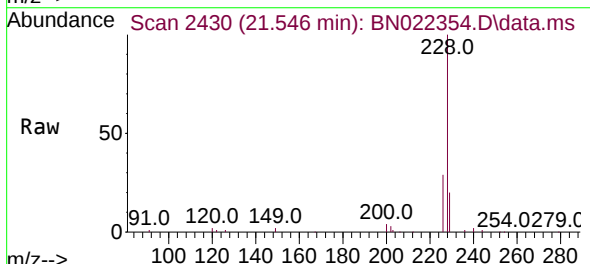
Manual Integrations
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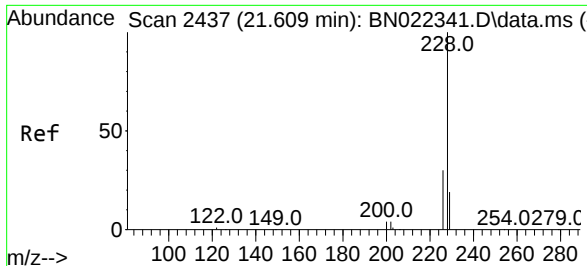
Reviewed By :Christian Giraldo 10/27/2022
 Supervised By :Jagrut Upadhyay 10/28/2022



#32
 Benzo(a)anthracene
 Concen: 1.594 ng
 RT: 21.546 min Scan# 2430
 Delta R.T. -0.009 min
 Lab File: BN022354.D
 Acq: 27 Oct 2022 03:47

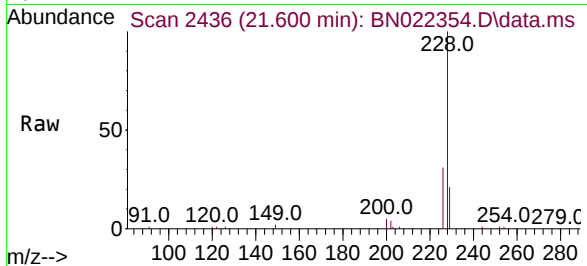
Tgt Ion:228 Resp: 71564
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.6 34.0
 229 19.9 15.5 23.3





#33
Chrysene
Concen: 1.311 ng
RT: 21.600 min Scan# 2437
Delta R.T. -0.009 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

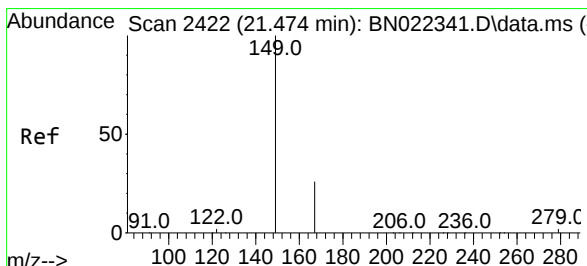
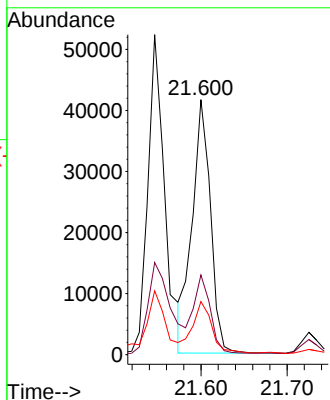
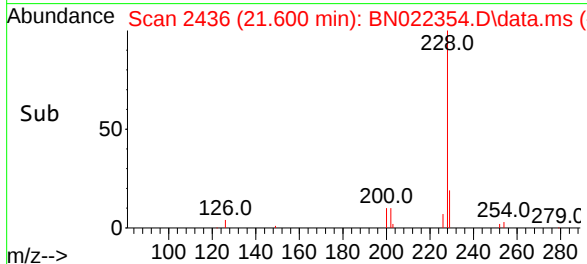
Instrument : BNA_N
Client Sample Id : LSP-SS-03-03-05



Tgt Ion: 228 Resp: 61500
Ion Ratio Lower Upper
228 100
226 31.2 24.5 36.7
229 20.8 15.6 23.4

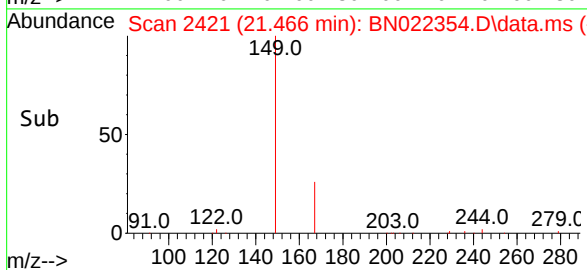
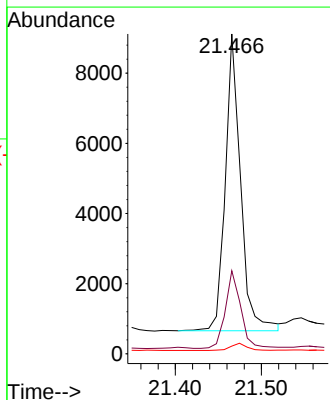
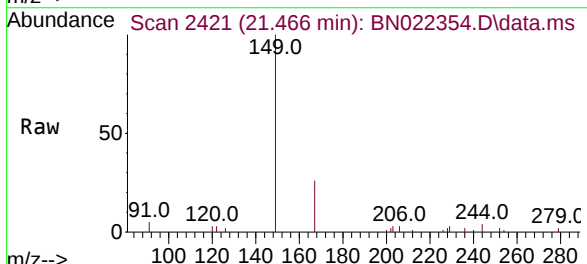
Manual Integrations
APPROVED

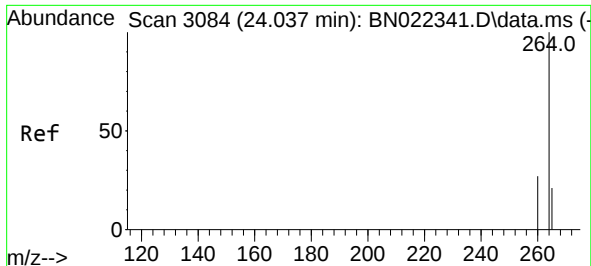
Reviewed By : Christian Giraldo 10/27/2022
Supervised By : Jagrut Upadhyay 10/28/2022



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.315 ng
RT: 21.466 min Scan# 2421
Delta R.T. -0.008 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

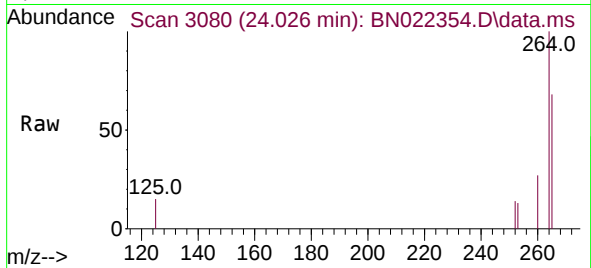
Tgt Ion: 149 Resp: 10456
Ion Ratio Lower Upper
149 100
167 26.6 20.2 30.4
279 2.7 2.3 3.5





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.026 min Scan# 3080
 Delta R.T. -0.012 min
 Lab File: BN022354.D
 Acq: 27 Oct 2022 03:47

Instrument :
 BNA_N
 ClientSampleId :
 LSP-SS-03-03-05

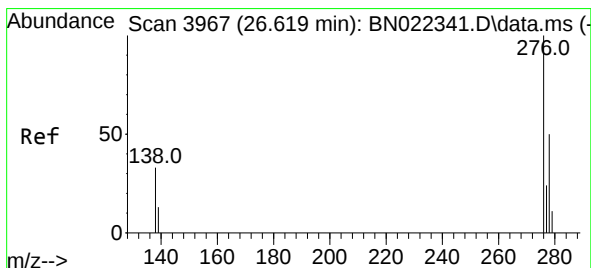
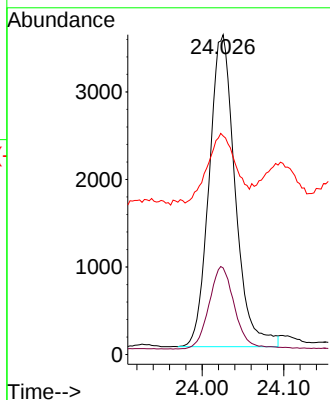
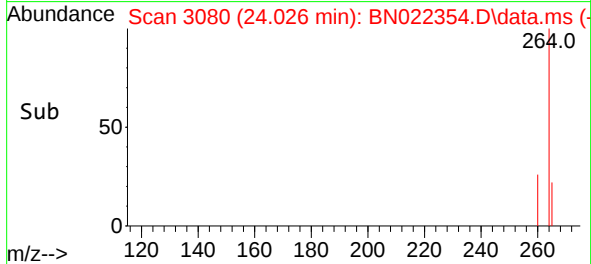


Tgt Ion: 264 Resp: 7874

Ion	Ratio	Lower	Upper
264	100		
260	27.1	22.1	33.1
265	68.3	53.0	79.4

Manual Integrations
 APPROVED

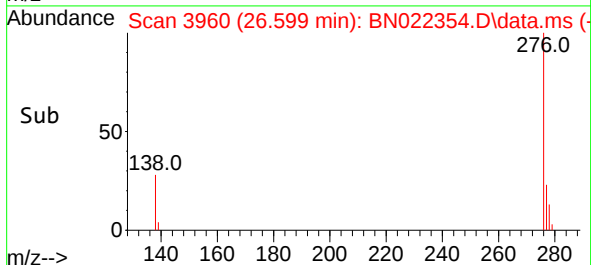
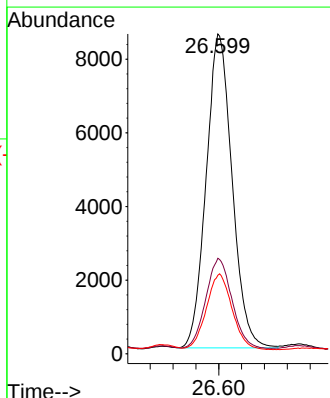
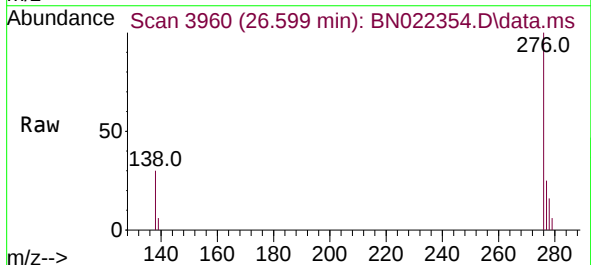
Reviewed By : Christian Giraldo 10/27/2022
 Supervised By : Jagrut Upadhyay 10/28/2022

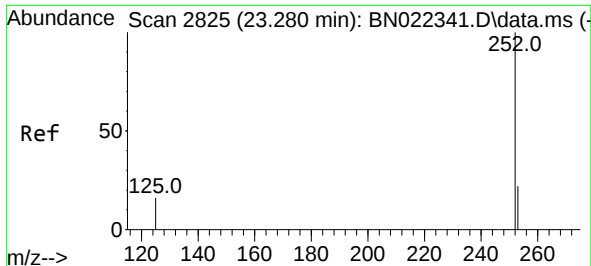


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.689 ng
 RT: 26.599 min Scan# 3960
 Delta R.T. -0.020 min
 Lab File: BN022354.D
 Acq: 27 Oct 2022 03:47

Tgt Ion: 276 Resp: 26809

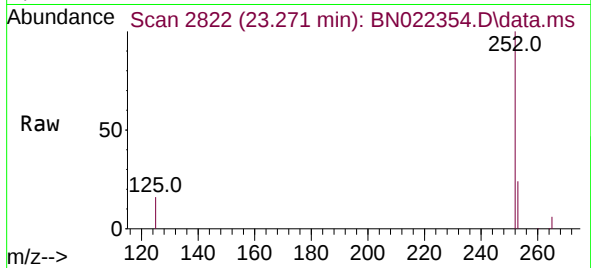
Ion	Ratio	Lower	Upper
276	100		
138	28.9	28.2	42.2
277	24.0	19.7	29.5





#37
Benzo(b)fluoranthene
Concen: 1.878 ng
RT: 23.271 min Scan# 2822
Delta R.T. -0.009 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

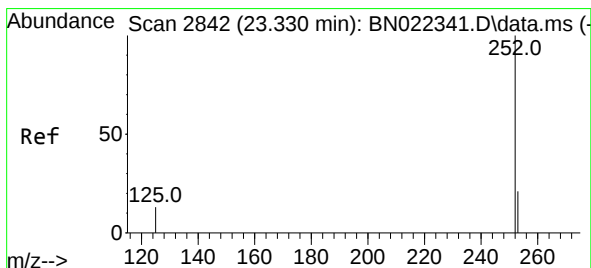
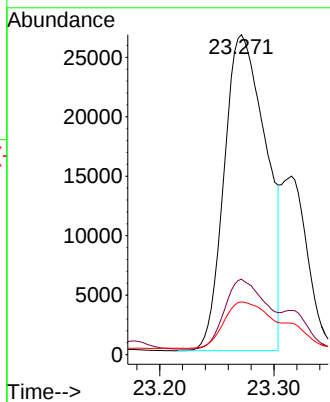
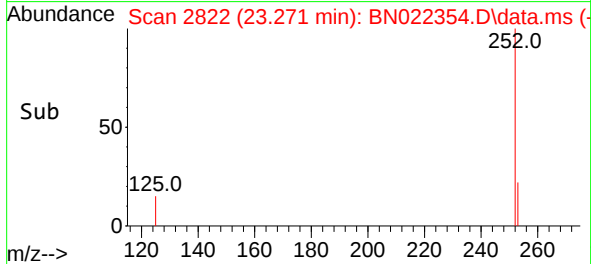
Instrument :
BNA_N
ClientSampleId :
LSP-SS-03-03-05



Tgt Ion:252 Resp: 67689
Ion Ratio Lower Upper
252 100
253 23.6 20.4 30.6
125 16.5 16.6 25.0

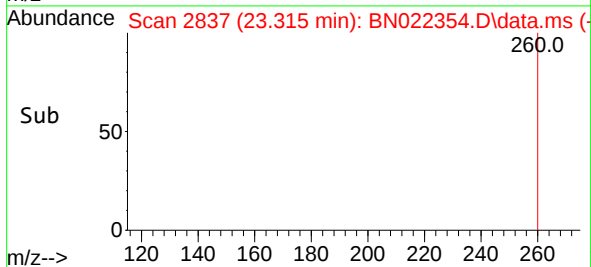
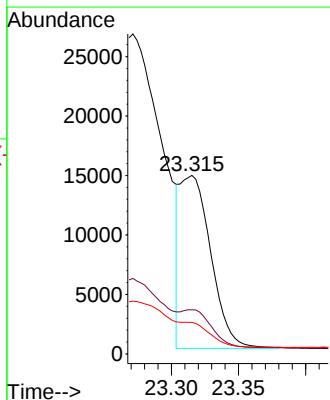
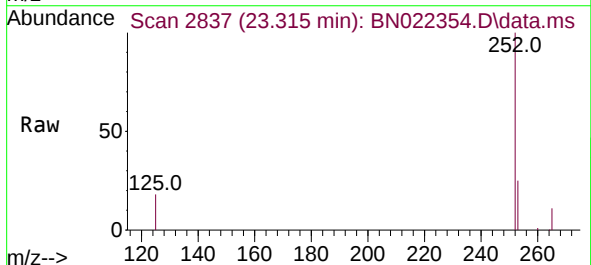
Manual Integrations
APPROVED

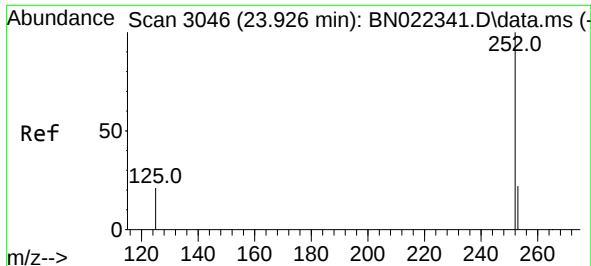
Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/28/2022



#38
Benzo(k)fluoranthene
Concen: 0.648 ng m
RT: 23.315 min Scan# 2837
Delta R.T. -0.014 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

Tgt Ion:252 Resp: 23227
Ion Ratio Lower Upper
252 100
253 24.7 19.8 29.8
125 17.6 15.0 22.6





#39

Benzo(a)pyrene

Concen: 1.652 ng m

RT: 23.912 min Scan# 3046

Delta R.T. -0.014 min

Lab File: BN022354.D

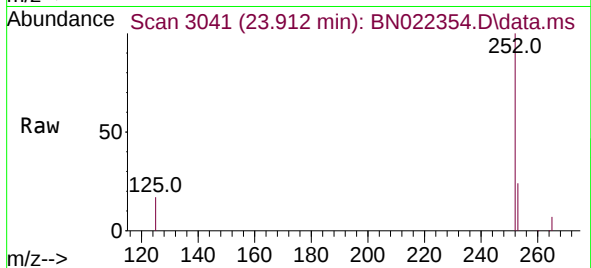
Acq: 27 Oct 2022 03:47

Instrument :

BN022354.D

ClientSampleId :

LSP-SS-03-03-05



Tgt Ion:252 Resp: 4845

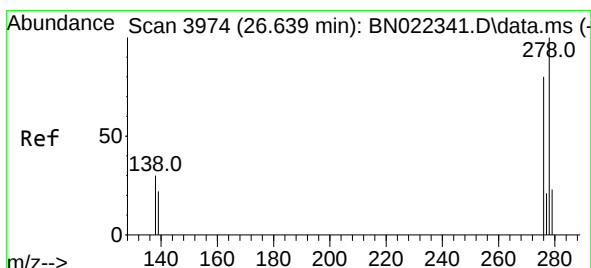
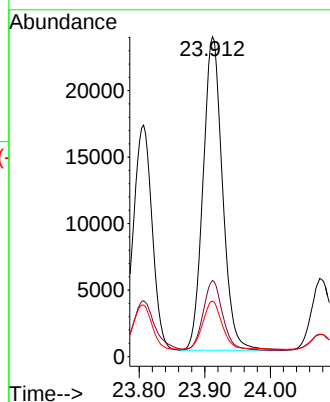
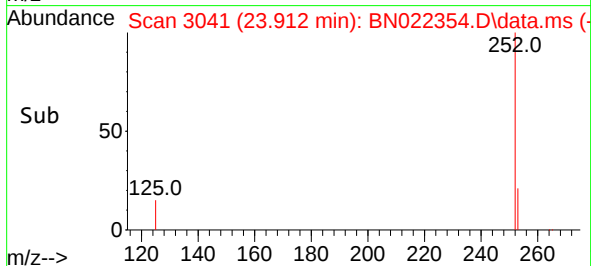
Ion	Ratio	Lower	Upper
252	100		
253	23.8	21.9	32.9
125	17.3	22.9	34.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/27/2022

Supervised By :Jagrut Upadhyay 10/28/2022



#40

Dibenzo(a,h)anthracene

Concen: 0.184 ng

RT: 26.610 min Scan# 3964

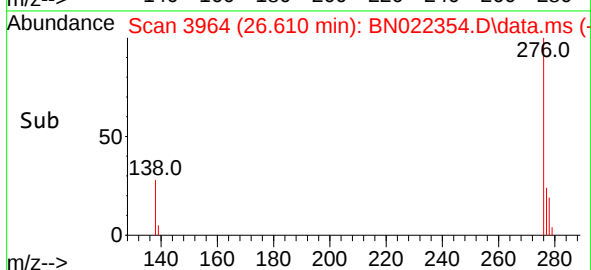
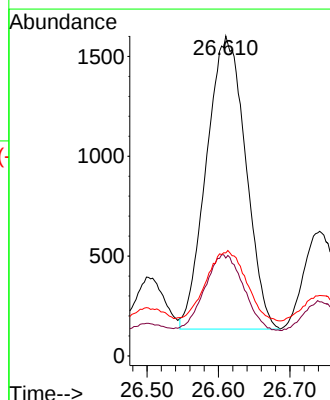
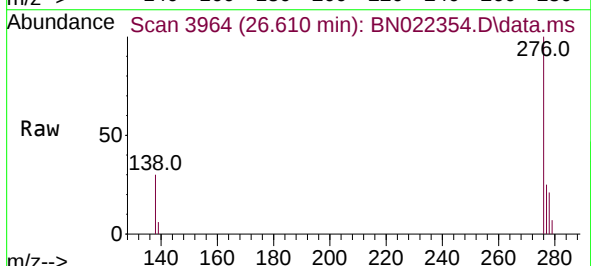
Delta R.T. -0.029 min

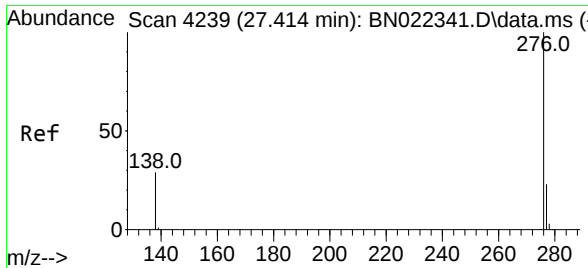
Lab File: BN022354.D

Acq: 27 Oct 2022 03:47

Tgt Ion:278 Resp: 5585

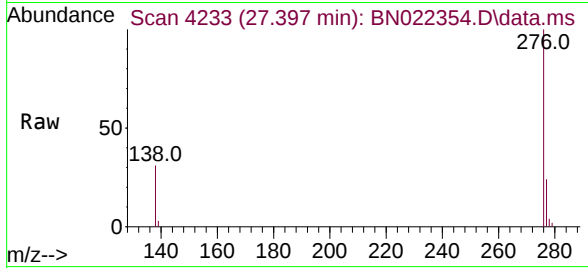
Ion	Ratio	Lower	Upper
278	100		
139	30.6	20.2	30.2#
279	32.2	21.0	31.4#





#41
Benzo(g,h,i)perylene
Concen: 0.920 ng
RT: 27.397 min Scan# 41
Delta R.T. -0.017 min
Lab File: BN022354.D
Acq: 27 Oct 2022 03:47

Instrument :
BNA_N
ClientSampleId :
LSP-SS-03-03-05



Tgt Ion:276 Resp: 29474
Ion Ratio Lower Upper
276 100
277 24.3 19.5 29.3
138 30.7 25.0 37.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/27/2022
Supervised By :Jagrut Upadhyay 10/28/2022

