

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110122\
 Data File : BN022452.D
 Acq On : 02 Nov 2022 03:18
 Operator : CG/JU
 Sample : N5234-07
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LSP-SS-06-20-40

Quant Time: Nov 02 05:40:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 05:31:40 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 11/02/2022
 Supervised By :mohammad ahmed 11/04/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.920	152	4032	0.400	ng	0.00
7) Naphthalene-d8	10.752	136	14225	0.400	ng	# 0.00
13) Acenaphthene-d10	14.589	164	9722	0.400	ng	0.00
19) Phenanthrene-d10	17.350	188	15418	0.400	ng	0.00
29) Chrysene-d12	21.546	240	8959	0.400	ng	# 0.00
35) Perylene-d12	23.990	264	7224	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.458	112	3347	0.312	ng	0.00
5) Phenol-d6	7.090	99	8740	0.649	ng	0.00
8) Nitrobenzene-d5	9.054	82	26799	2.178	ng	-0.05
11) 2-Methylnaphthalene-d10	12.342	152	6782	0.304	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	860	0.206	ng	0.00
15) 2-Fluorobiphenyl	13.221	172	7533	0.181	ng	0.00
27) Fluoranthene-d10	19.390	212	7795	0.183	ng	0.00
31) Terphenyl-d14	19.980	244	7025	0.301	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.795	128	239454	5.630	ng	# 80
16) Acenaphthylene	14.311	152	111301	2.363	ng	# 71
17) Acenaphthene	14.653	154	22882	0.713	ng	# 48
18) Fluorene	15.647	166	101207	2.262	ng	# 86
25) Phenanthrene	17.387	178	659146	12.468	ng	100
26) Anthracene	17.486	178	189048	4.245	ng	99
28) Fluoranthene	19.420	202	551453	9.621	ng	99
30) Pyrene	19.782	202	604711	14.667	ng	97
32) Benzo(a)anthracene	21.528	228	249929	7.086	ng	97
33) Chrysene	21.582	228	200110	5.428	ng	97
34) Bis(2-ethylhexyl)phtha...	21.448	149	2387	0.044	ng	# 67
36) Indeno(1,2,3-cd)pyrene	26.552	276	120472	3.376	ng	95
37) Benzo(b)fluoranthene	23.245	252	212462	6.425	ng	95
38) Benzo(k)fluoranthene	23.286	252	73531m	2.236	ng	
39) Benzo(a)pyrene	23.882	252	189856m	7.056	ng	
40) Dibenzo(a,h)anthracene	26.557	278	35563	1.276	ng	# 90
41) Benzo(g,h,i)perylene	27.344	276	123608	4.204	ng	99

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

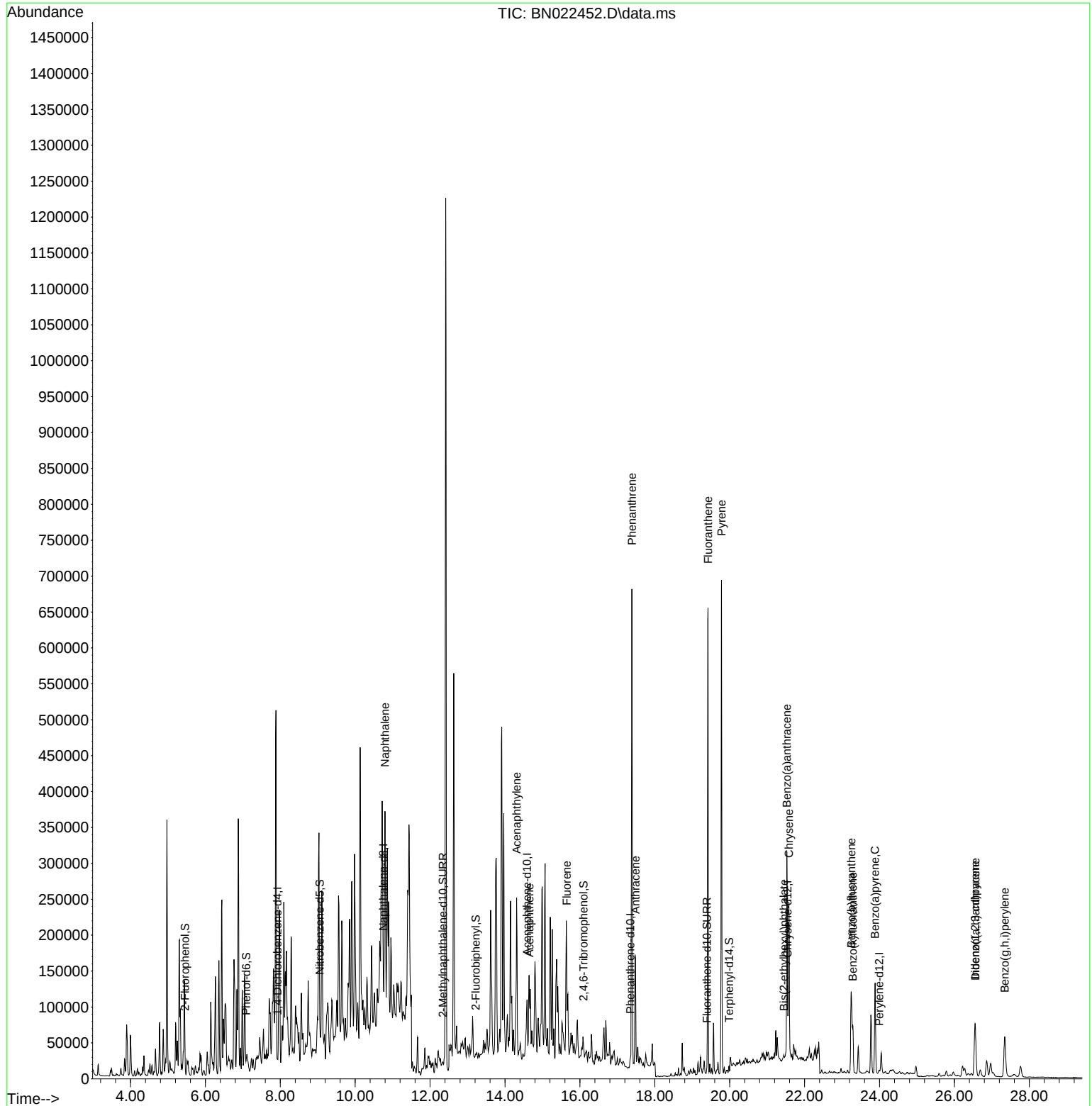
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110122\
Data File : BN022452.D
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ALS Vial : 60 Sample Multiplier: 1

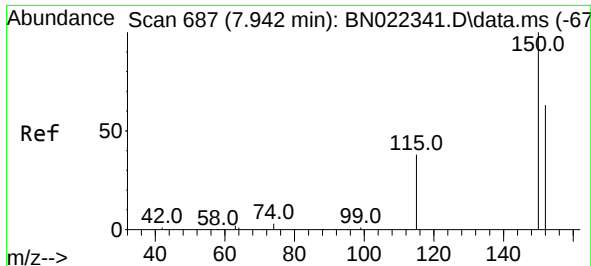
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40

Quant Time: Nov 02 05:40:38 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
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APPROVED

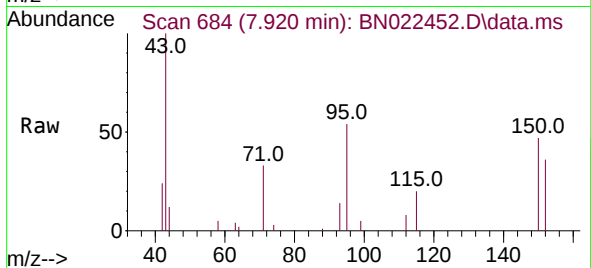
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.920 min Scan# 687
Delta R.T. -0.008 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

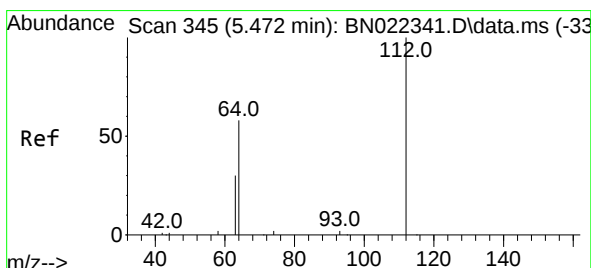
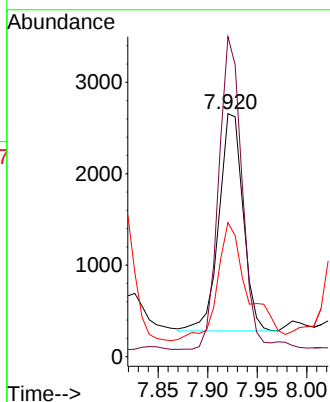
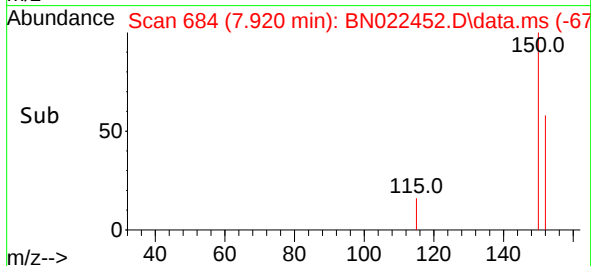
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40



Tgt Ion:152 Resp: 4032
Ion Ratio Lower Upper
152 100
150 131.7 125.2 187.8
115 55.2 52.0 78.0

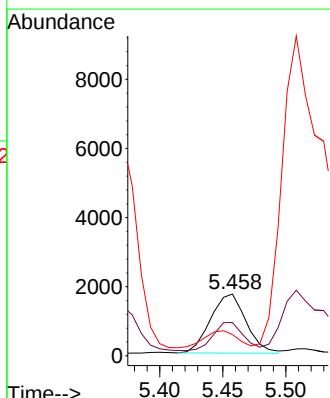
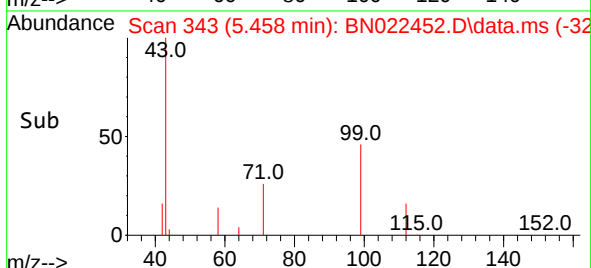
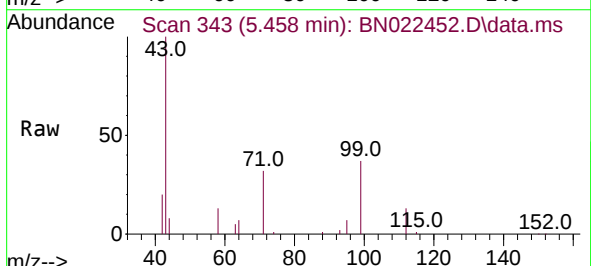
Manual Integrations
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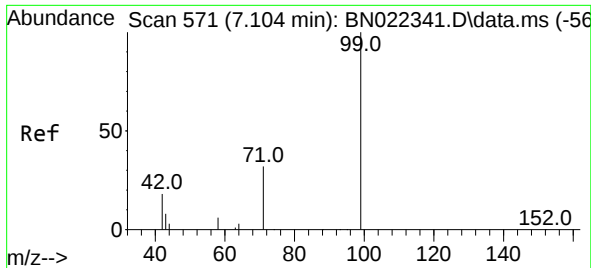
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#4
2-Fluorophenol
Concen: 0.312 ng
RT: 5.458 min Scan# 343
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

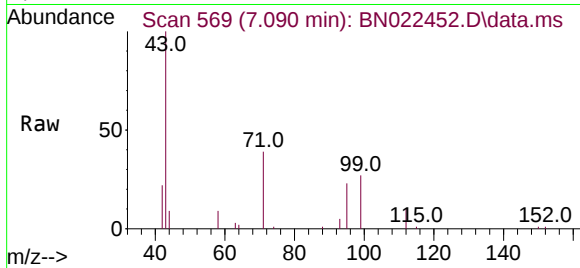
Tgt Ion:112 Resp: 3347
Ion Ratio Lower Upper
112 100
64 41.6 47.0 70.4#
63 26.6 24.5 36.7





#5
Phenol-d6
Concen: 0.649 ng
RT: 7.090 min Scan# 571
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

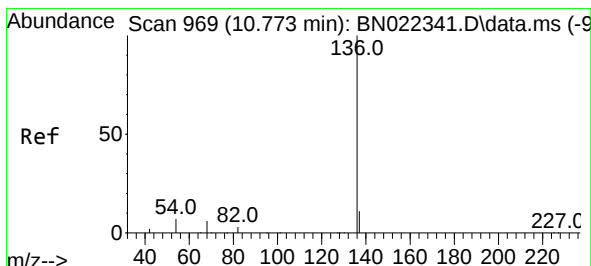
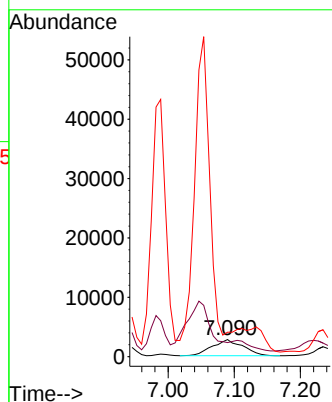
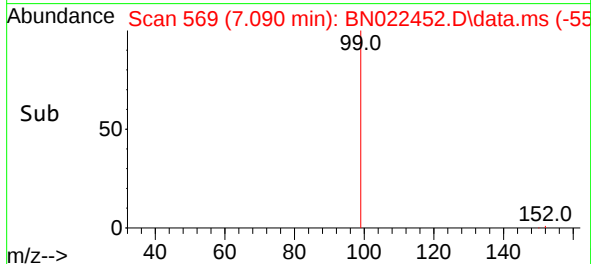
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40



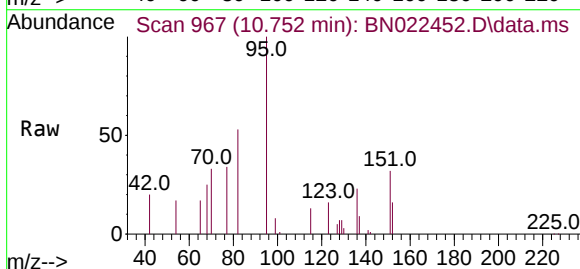
Tgt Ion: 99 Resp: 8740
Ion Ratio Lower Upper
99 100
42 0.0 16.3 24.5#
71 0.0 26.1 39.1#

Manual Integrations
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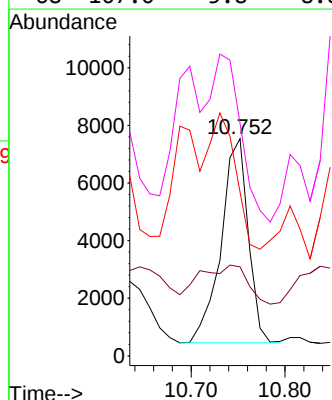
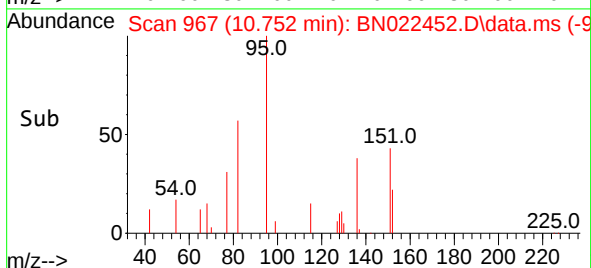
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022

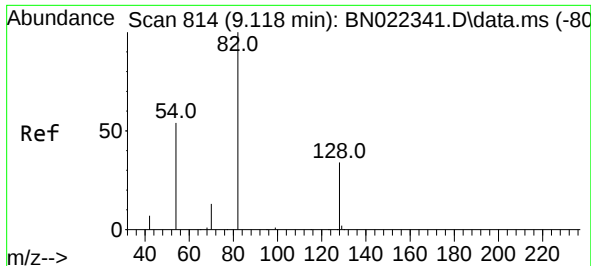


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 967
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18



Tgt Ion:136 Resp: 14225
Ion Ratio Lower Upper
136 100
137 41.0 9.4 14.2#
54 75.4 6.5 9.7#
68 107.0 5.8 8.8#





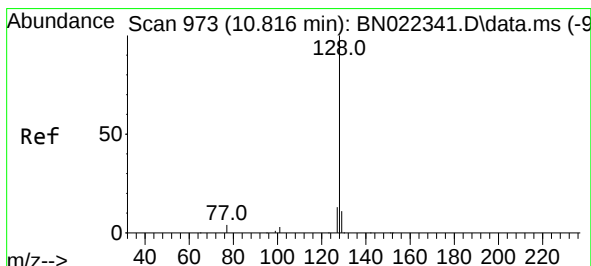
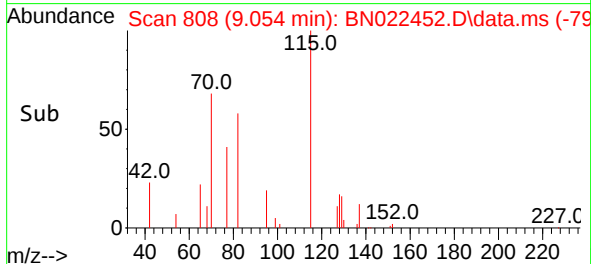
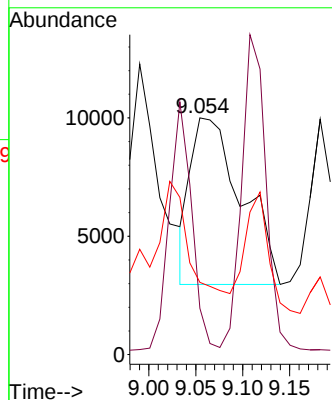
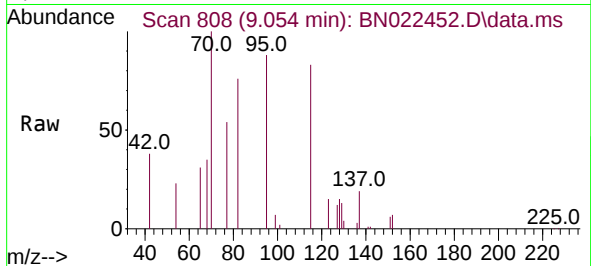
#8
Nitrobenzene-d5
Concen: 2.178 ng
RT: 9.054 min Scan# 808
Delta R.T. -0.054 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40

Tgt Ion: 82 Resp: 26799
Ion Ratio Lower Upper
82 100
128 19.6 30.5 45.7#
54 30.5 45.2 67.8#

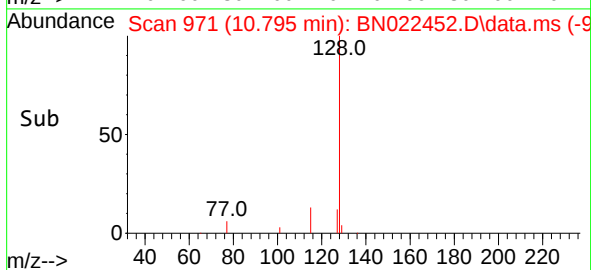
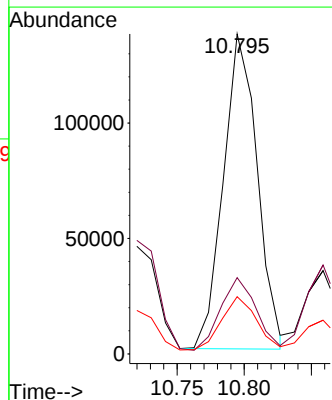
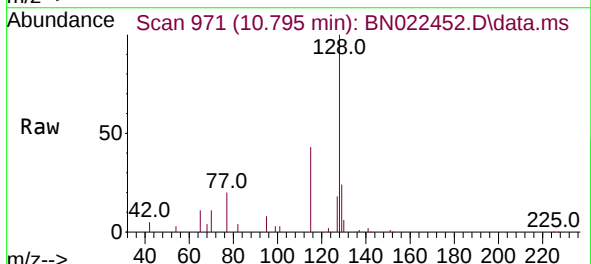
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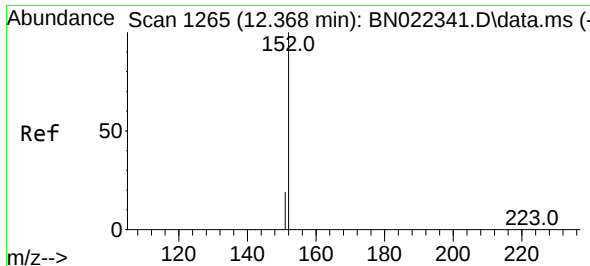
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#9
Naphthalene
Concen: 5.630 ng
RT: 10.795 min Scan# 971
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

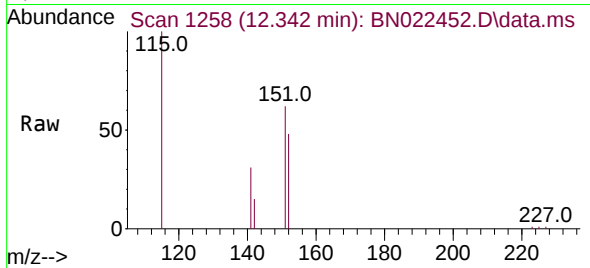
Tgt Ion:128 Resp: 239454
Ion Ratio Lower Upper
128 100
129 23.8 9.4 14.2#
127 17.9 11.0 16.6#





#11
2-Methylnaphthalene-d10
Concen: 0.304 ng
RT: 12.342 min Scan# 1258
Delta R.T. -0.008 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

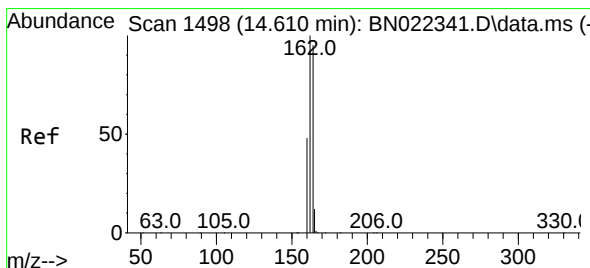
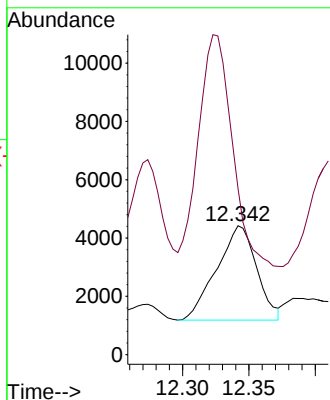
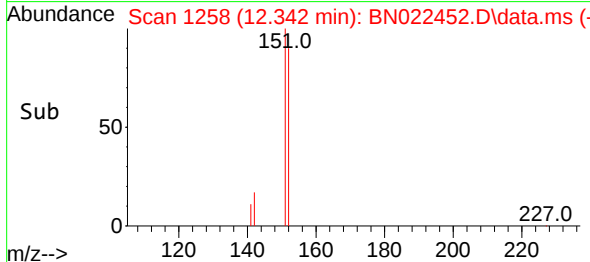
Instrument :
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ClientSampleId :
LSP-SS-06-20-40



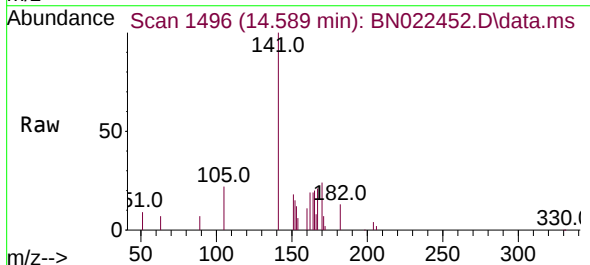
Tgt Ion:152 Resp: 6782
Ion Ratio Lower Upper
152 100
151 225.6 16.7 25.1

Manual Integrations
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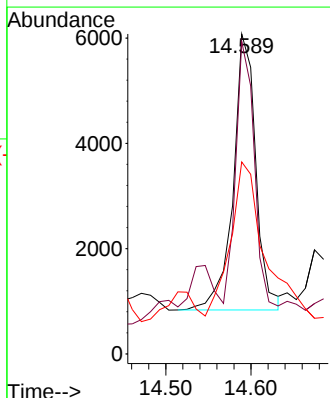
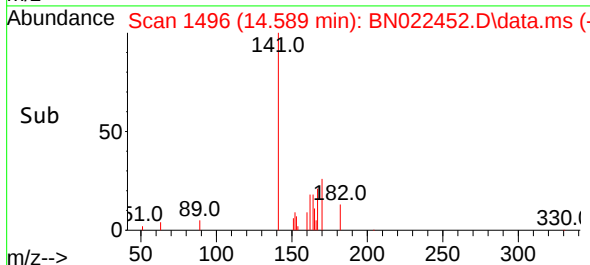
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022

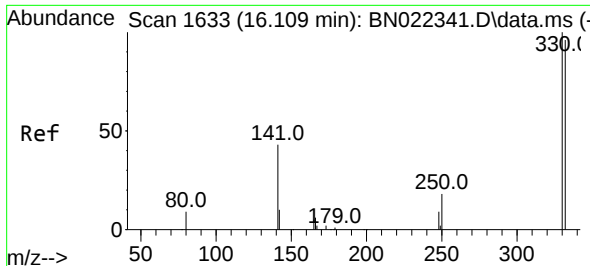


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18



Tgt Ion:164 Resp: 9722
Ion Ratio Lower Upper
164 100
162 97.6 83.9 125.9
160 60.0 41.0 61.4





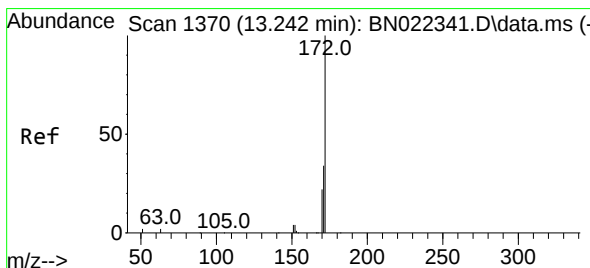
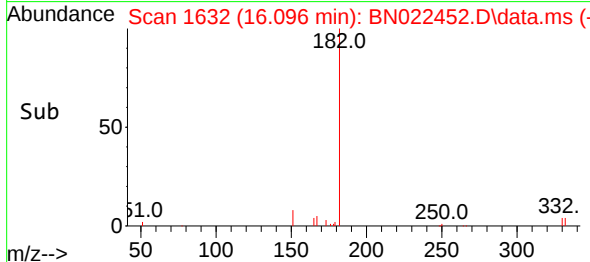
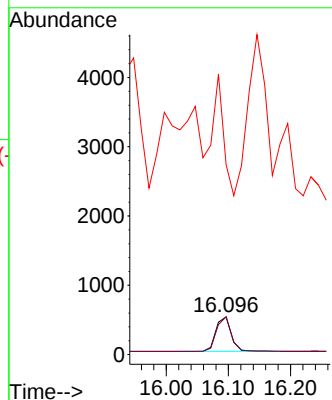
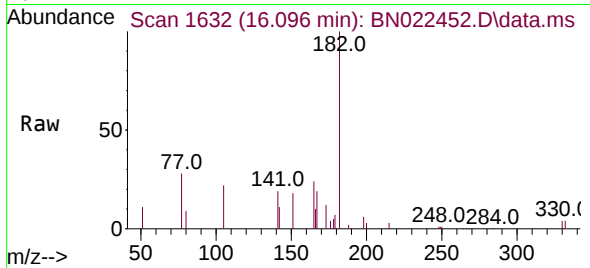
#14
2,4,6-Tribromophenol
Concen: 0.206 ng
RT: 16.096 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40

Tgt Ion: 330 Resp: 860
Ion Ratio Lower Upper
330 100
332 96.3 78.6 118.0
141 253.1 40.2 60.4

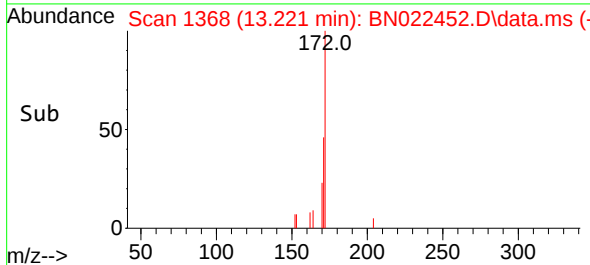
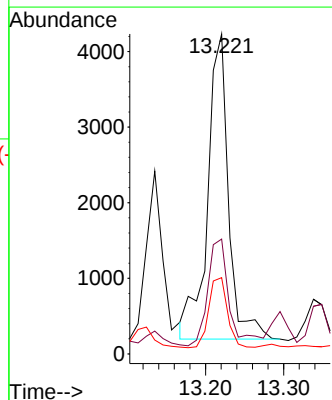
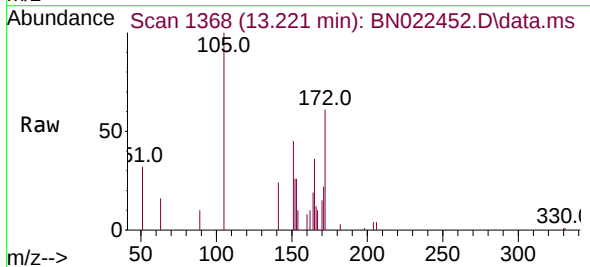
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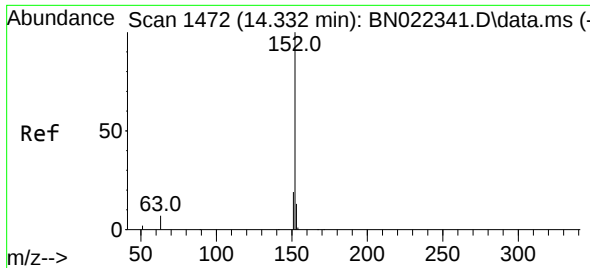
Reviewed By : Christian Giraldo 11/02/2022
Supervised By : mohammad ahmed 11/04/2022



#15
2-Fluorobiphenyl
Concen: 0.181 ng
RT: 13.221 min Scan# 1368
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion: 172 Resp: 7533
Ion Ratio Lower Upper
172 100
171 35.9 27.4 41.0
170 23.8 18.5 27.7





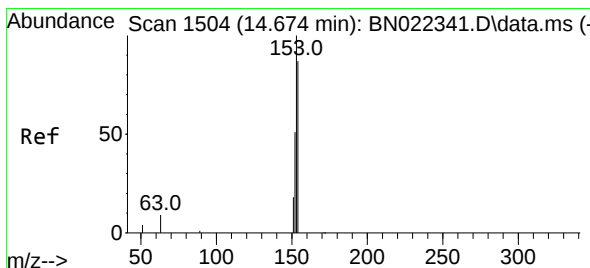
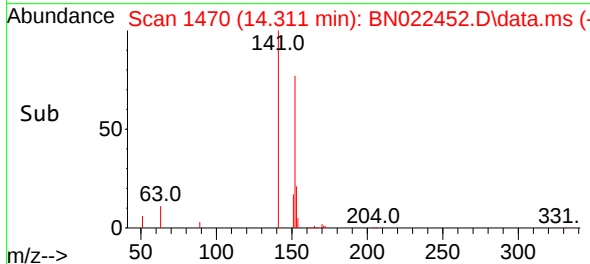
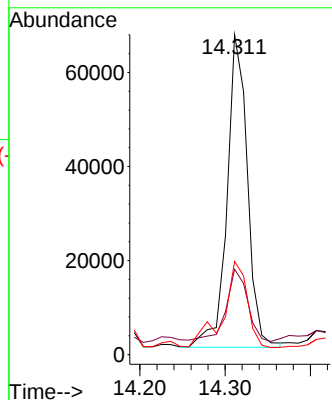
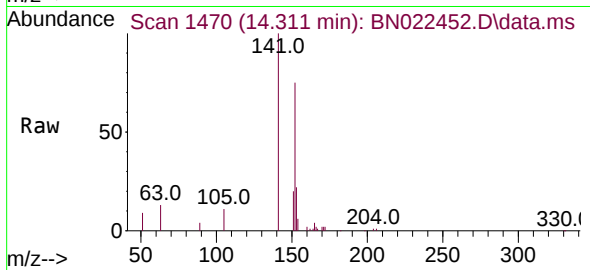
#16
Acenaphthylene
Concen: 2.363 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Instrument : BNA_N
ClientSampleId : LSP-SS-06-20-40

Tgt Ion:152 Resp: 11130
Ion Ratio Lower Upper
152 100
151 25.6 15.2 22.8#
153 32.5 10.3 15.5#

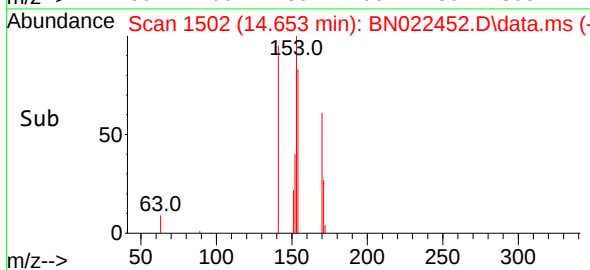
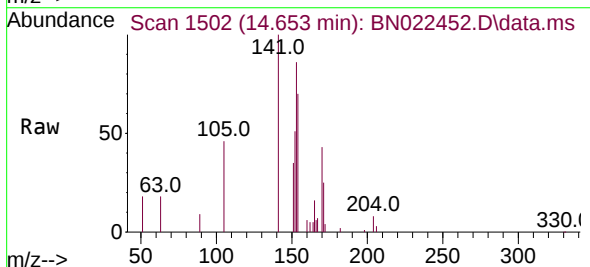
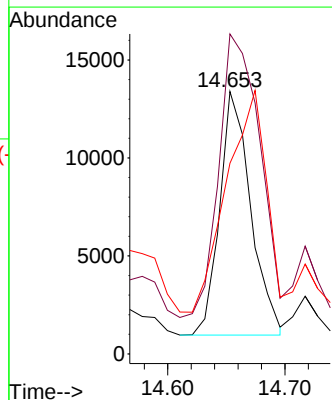
Manual Integrations
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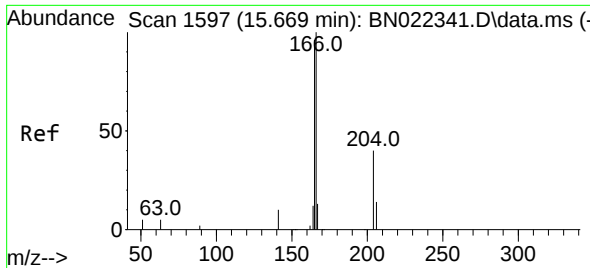
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#17
Acenaphthene
Concen: 0.713 ng
RT: 14.653 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

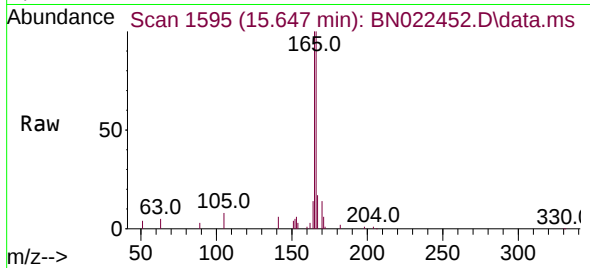
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Ion Ratio Lower Upper
154 100
153 157.1 92.2 138.2#
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#18
Fluorene
Concen: 2.262 ng
RT: 15.647 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

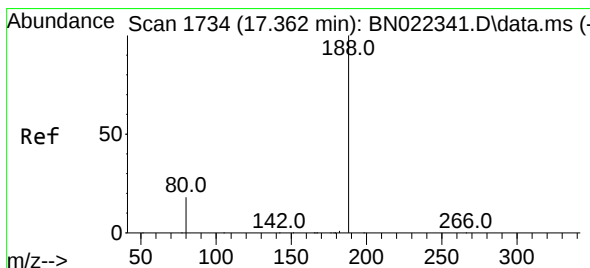
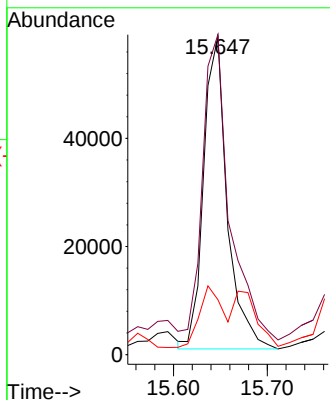
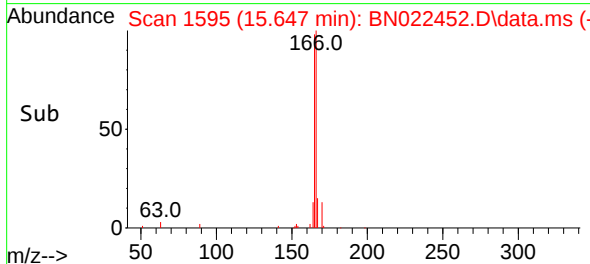
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40



Tgt Ion:166 Resp: 101207
Ion Ratio Lower Upper
166 100
165 111.4 78.6 118.0
167 19.6 10.2 15.4

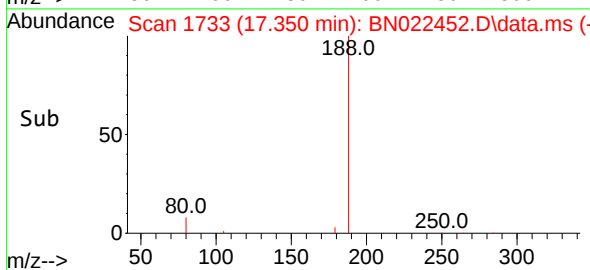
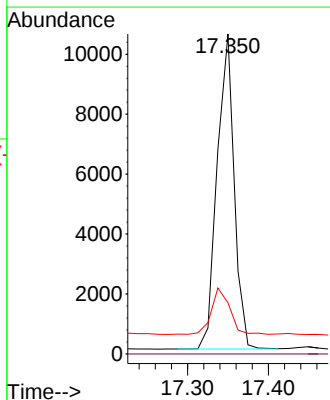
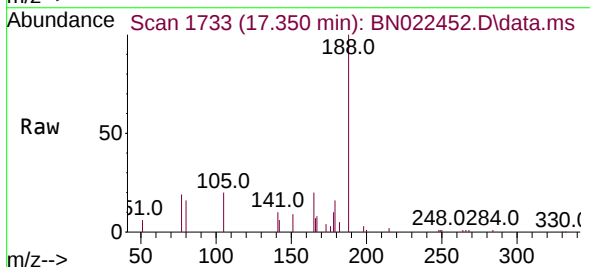
Manual Integrations
APPROVED

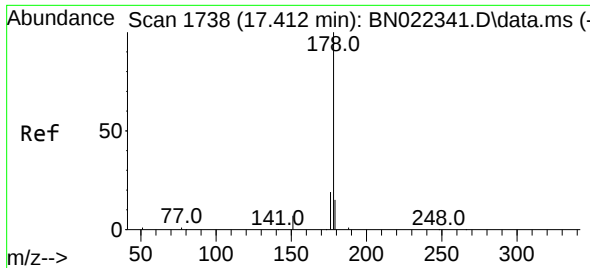
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion:188 Resp: 15418
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.0 15.0 22.6





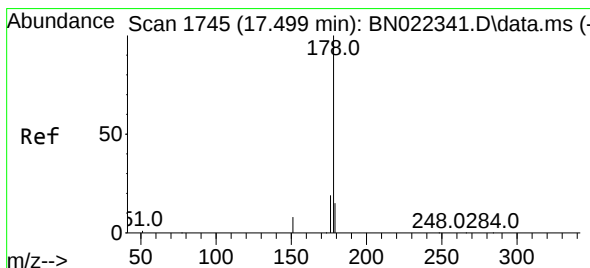
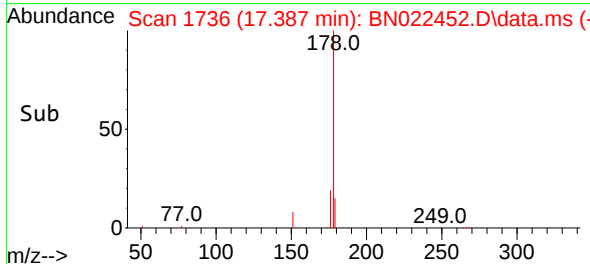
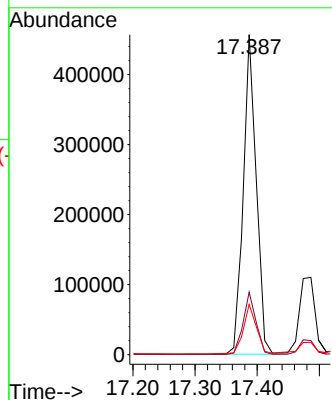
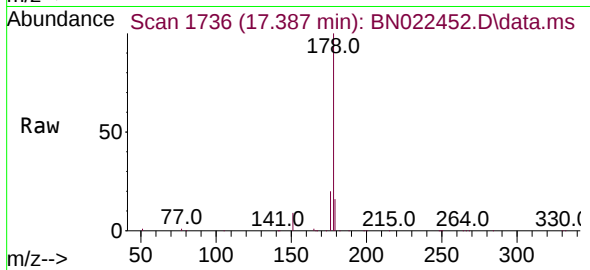
#25
Phenanthrene
Concen: 12.468 ng
RT: 17.387 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40

Tgt Ion:178 Resp: 659146
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.8 12.5 18.7

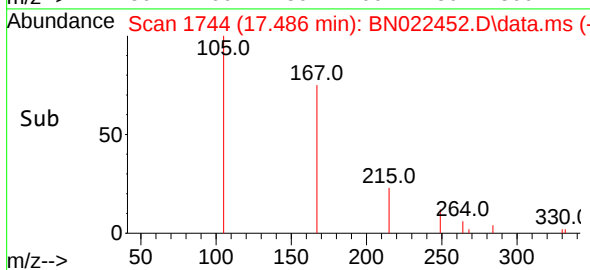
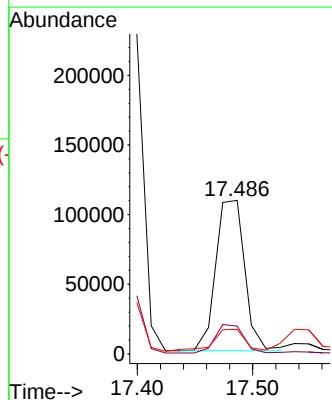
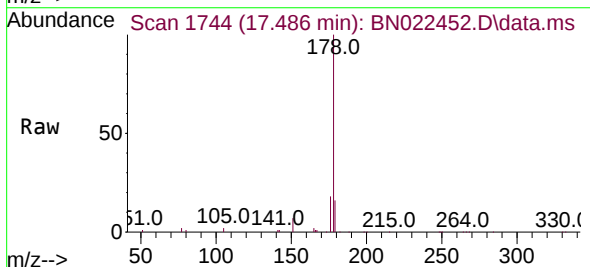
Manual Integrations
APPROVED

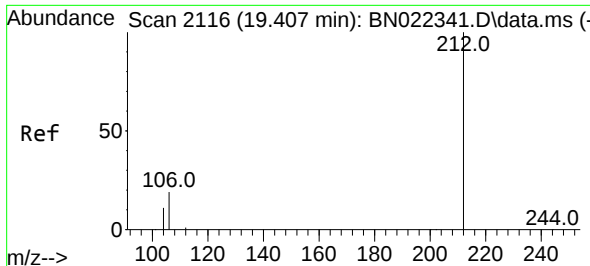
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#26
Anthracene
Concen: 4.245 ng
RT: 17.486 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

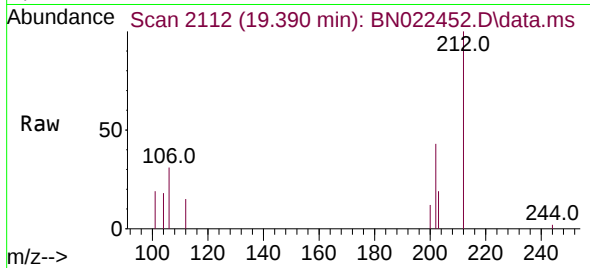
Tgt Ion:178 Resp: 189048
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.7 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.183 ng
RT: 19.390 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

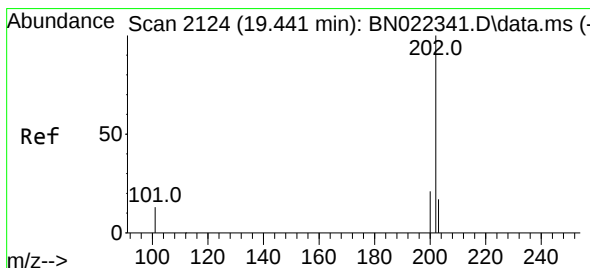
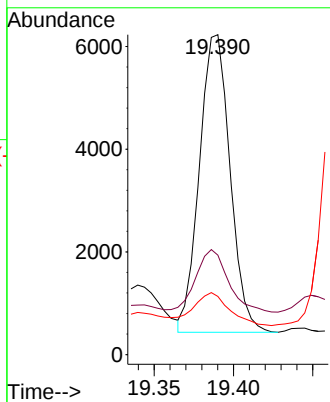
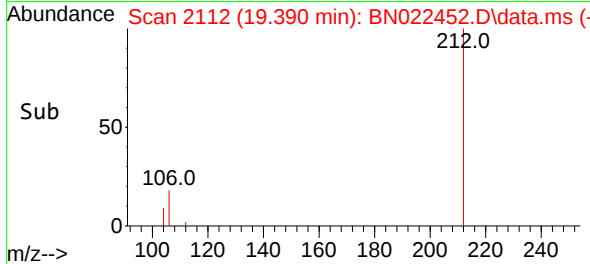
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40



Tgt Ion:212 Resp: 7795
Ion Ratio Lower Upper
212 100
106 22.3 15.0 22.4
104 13.1 9.3 13.9

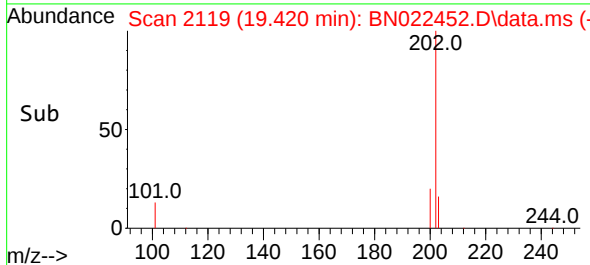
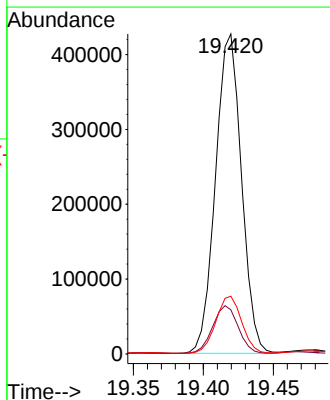
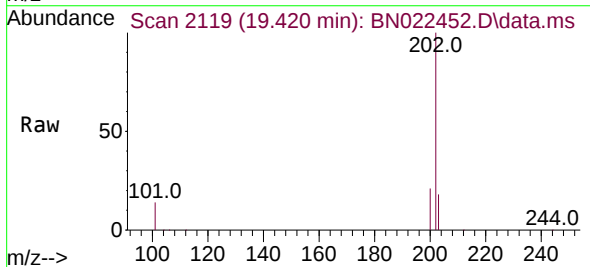
Manual Integrations
APPROVED

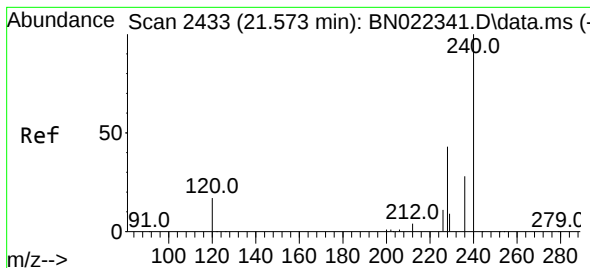
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#28
Fluoranthene
Concen: 9.621 ng
RT: 19.420 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion:202 Resp: 551453
Ion Ratio Lower Upper
202 100
101 14.8 11.4 17.0
203 17.8 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.546 min Scan# 2433

Delta R.T. -0.009 min

Lab File: BN022452.D

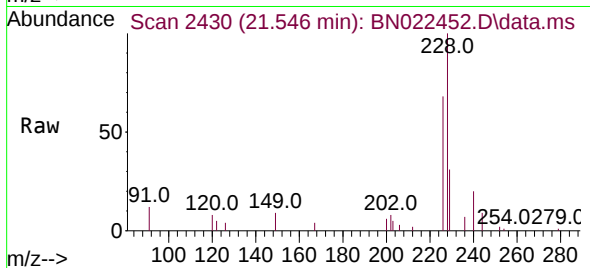
Acq: 02 Nov 2022 03:18

Instrument :

BNA_N

ClientSampleId :

LSP-SS-06-20-40

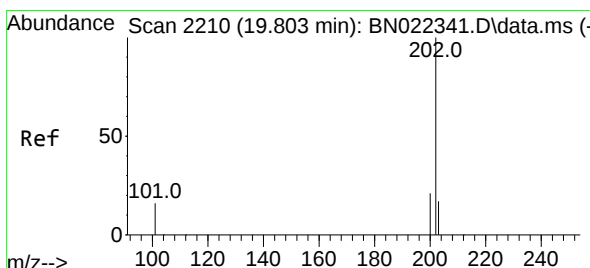
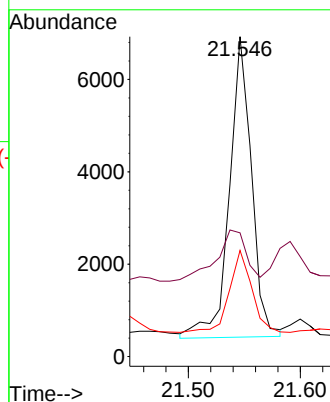
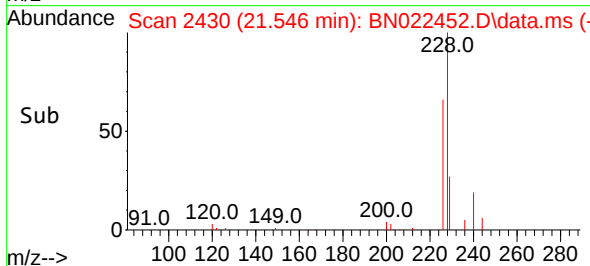


Tgt Ion:	240	Resp:	8959
Ion Ratio	Lower	Upper	
240	100		
120	38.7	15.8	23.6
236	33.2	23.2	34.8

Manual Integrations

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Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#30

Pyrene

Concen: 14.667 ng

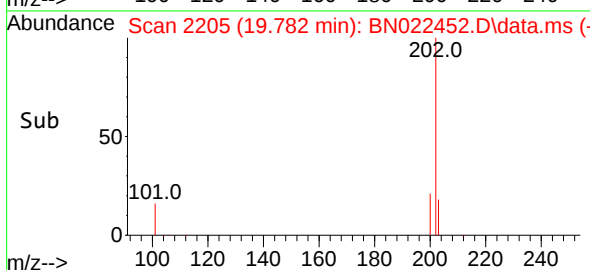
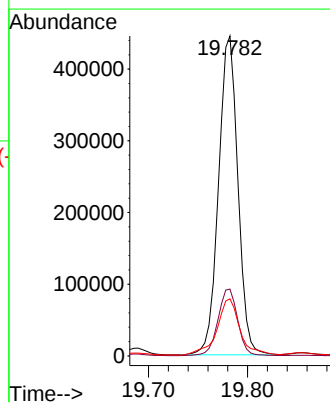
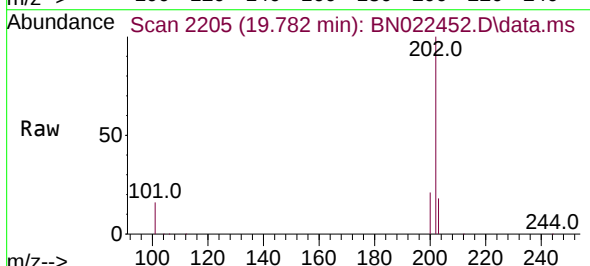
RT: 19.782 min Scan# 2205

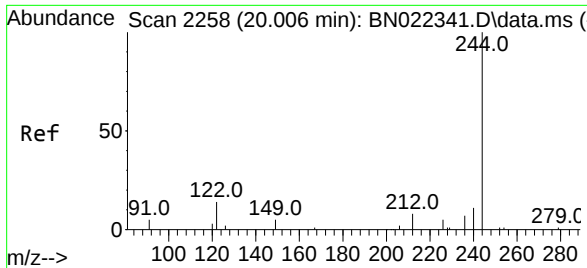
Delta R.T. -0.004 min

Lab File: BN022452.D

Acq: 02 Nov 2022 03:18

Tgt Ion:	202	Resp:	604711
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.8	25.2
203	20.7	14.2	21.2





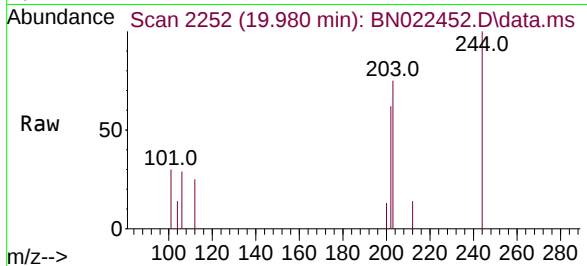
#31
 Terphenyl-d14
 Concen: 0.301 ng
 RT: 19.980 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BN022452.D
 Acq: 02 Nov 2022 03:18

Instrument :

BNA_N

ClientSampleId :

LSP-SS-06-20-40

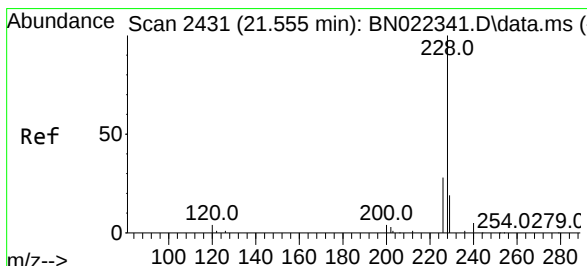
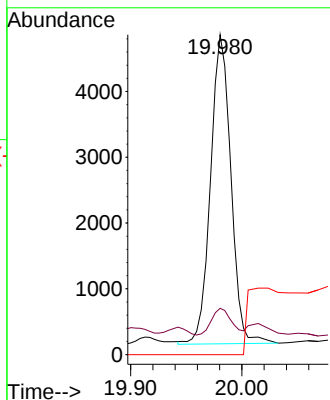
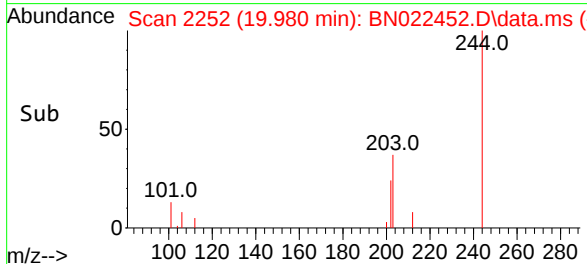


Tgt Ion:244 Resp: 7025
 Ion Ratio Lower Upper
 244 100
 212 14.5 7.0 10.4
 122 0.0 11.5 17.3

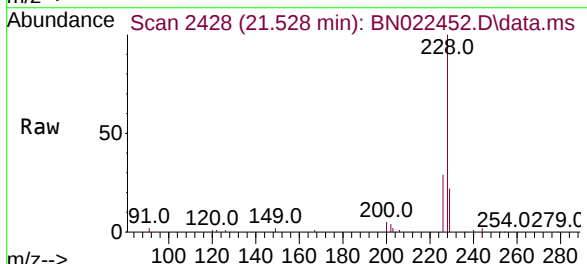
Manual Integrations

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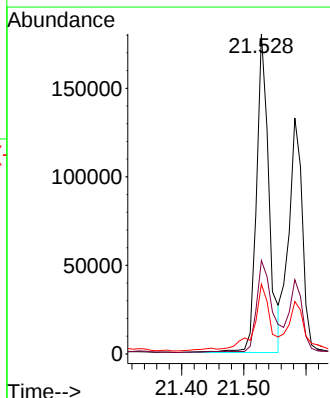
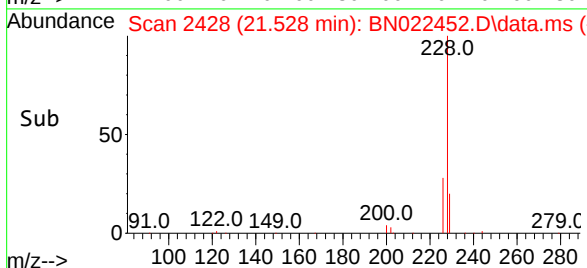
Reviewed By :Christian Giraldo 11/02/2022
 Supervised By :mohammad ahmed 11/04/2022

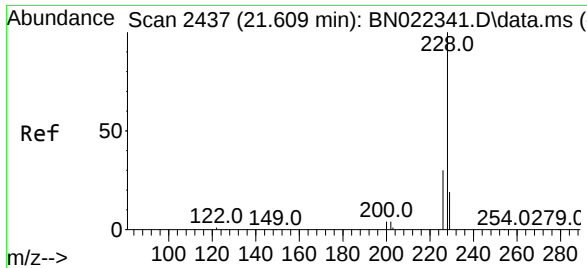


#32
 Benzo(a)anthracene
 Concen: 7.086 ng
 RT: 21.528 min Scan# 2428
 Delta R.T. -0.009 min
 Lab File: BN022452.D
 Acq: 02 Nov 2022 03:18



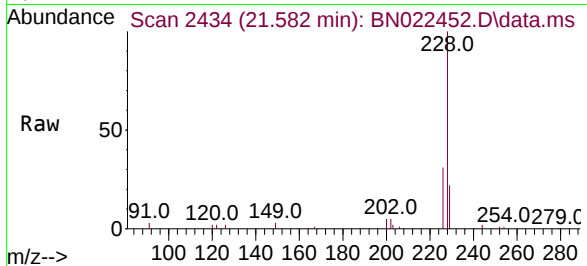
Tgt Ion:228 Resp: 249929
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.6 34.0
 229 21.8 15.5 23.3





#33
Chrysene
Concen: 5.428 ng
RT: 21.582 min Scan# 2419
Delta R.T. -0.009 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

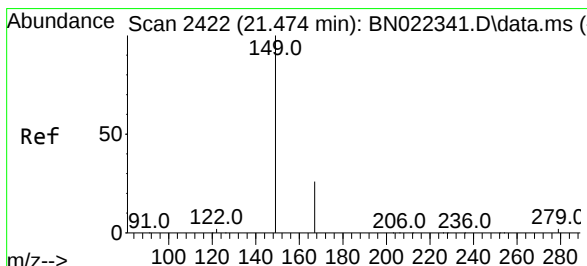
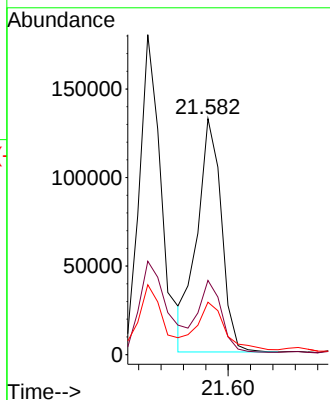
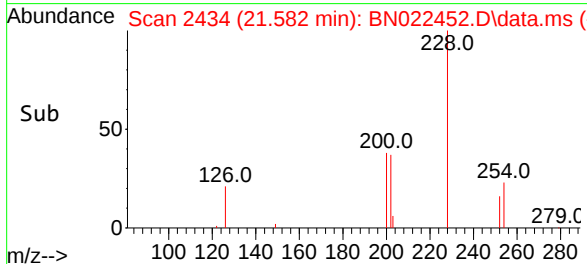
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40



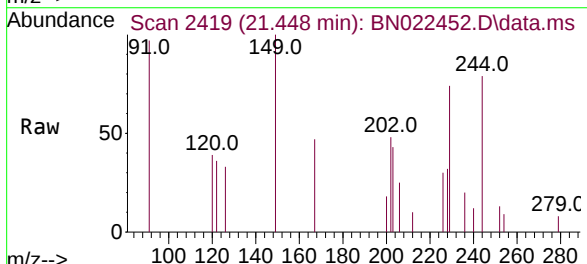
Tgt Ion:228 Resp: 200110
Ion Ratio Lower Upper
228 100
226 31.4 24.5 36.7
229 22.2 15.6 23.4

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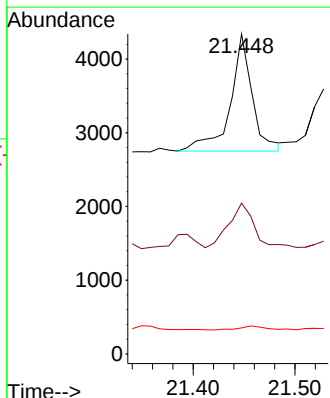
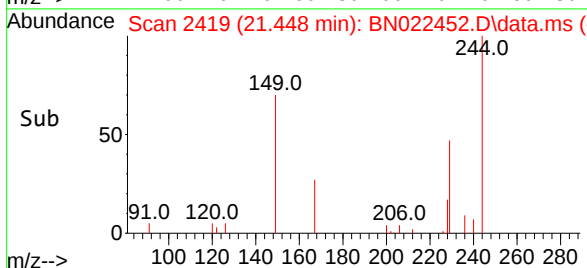
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022

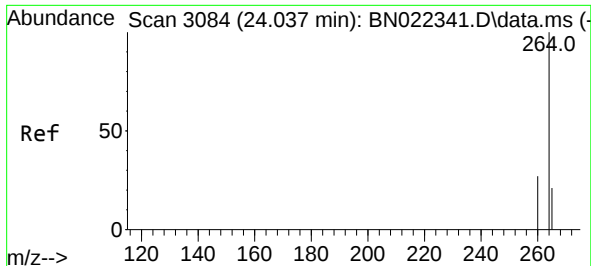


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.044 ng
RT: 21.448 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18



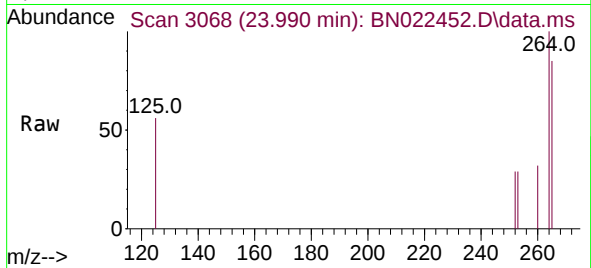
Tgt Ion:149 Resp: 2387
Ion Ratio Lower Upper
149 100
167 43.7 20.2 30.4#
279 4.1 2.3 3.5#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.990 min Scan# 3084
Delta R.T. -0.012 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

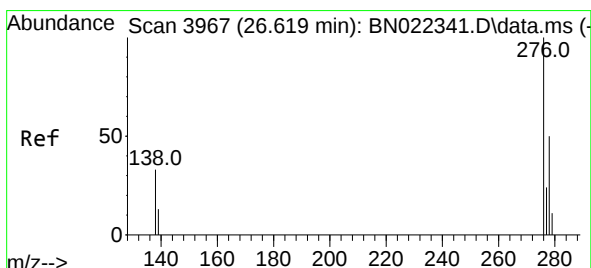
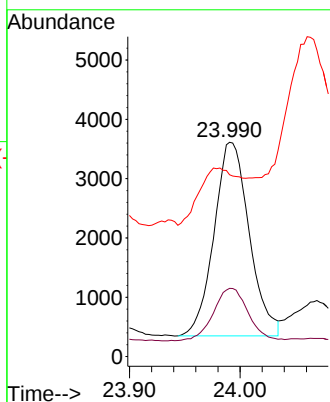
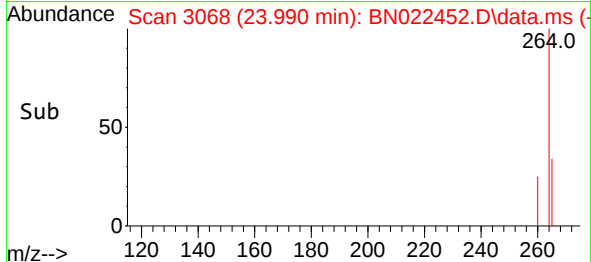
Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40



Tgt Ion:264 Resp: 7224
Ion Ratio Lower Upper
264 100
260 31.8 22.1 33.1
265 84.9 53.0 79.4

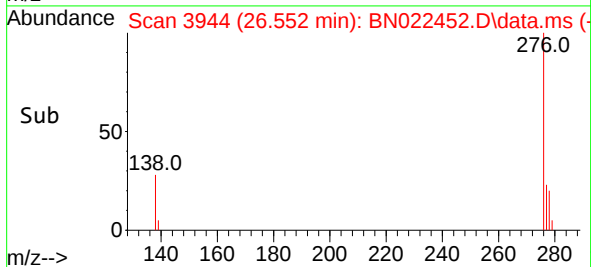
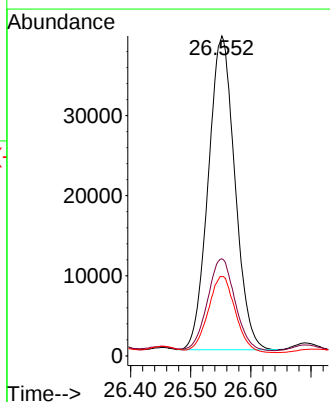
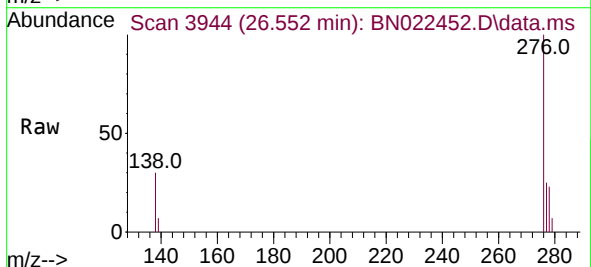
Manual Integrations
APPROVED

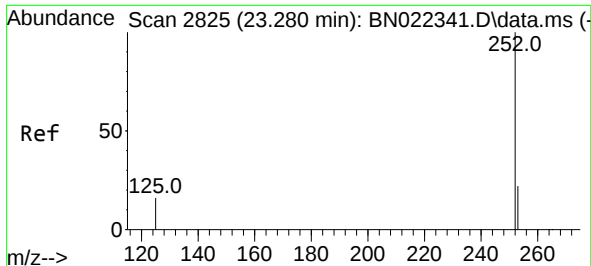
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#36
Indeno(1,2,3-cd)pyrene
Concen: 3.376 ng
RT: 26.552 min Scan# 3944
Delta R.T. -0.015 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Tgt Ion:276 Resp: 120472
Ion Ratio Lower Upper
276 100
138 30.3 28.2 42.2
277 25.0 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 6.425 ng

RT: 23.245 min Scan# 2813

Delta R.T. -0.003 min

Lab File: BN022452.D

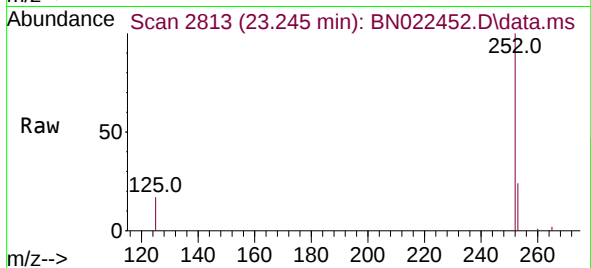
Acq: 02 Nov 2022 03:18

Instrument :

BNA_N

ClientSampleId :

LSP-SS-06-20-40



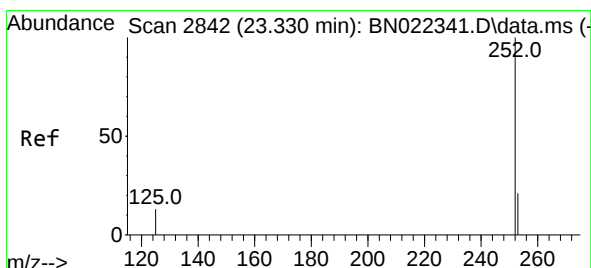
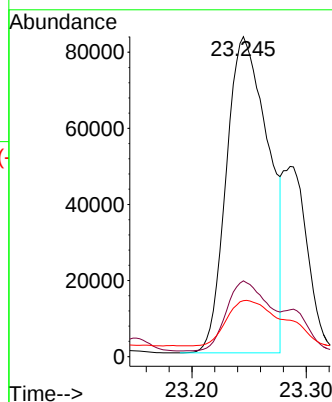
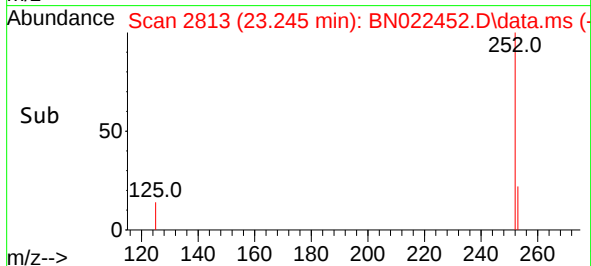
Tgt Ion:252 Resp: 212462

Ion	Ratio	Lower	Upper
252	100		
253	23.7	20.4	30.6
125	17.5	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#38

Benzo(k)fluoranthene

Concen: 2.236 ng m

RT: 23.286 min Scan# 2827

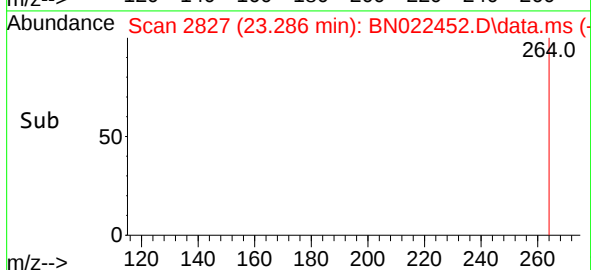
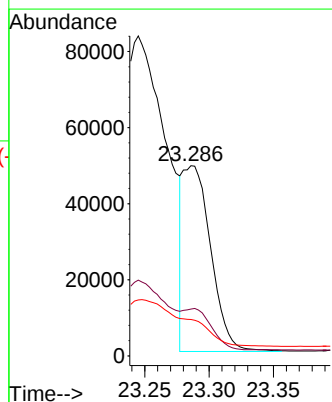
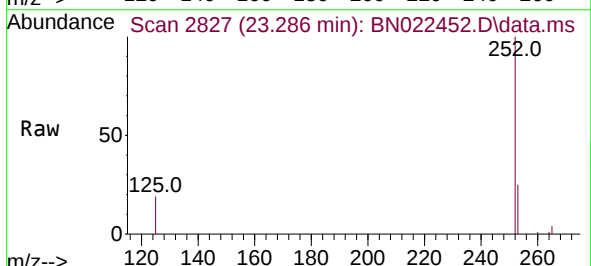
Delta R.T. -0.012 min

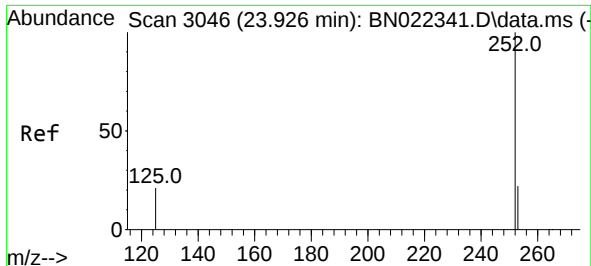
Lab File: BN022452.D

Acq: 02 Nov 2022 03:18

Tgt Ion:252 Resp: 73531

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.8	29.8
125	19.2	15.0	22.6





#39

Benzo(a)pyrene

Concen: 7.056 ng m

RT: 23.882 min Scan# 3046

Delta R.T. -0.009 min

Lab File: BN022452.D

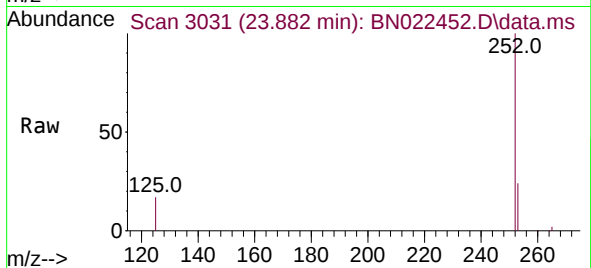
Acq: 02 Nov 2022 03:18

Instrument :

BN022452.D

ClientSampleId :

LSP-SS-06-20-40

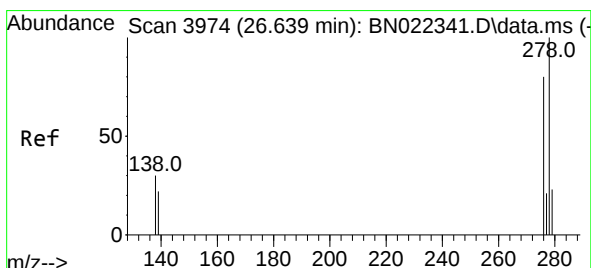
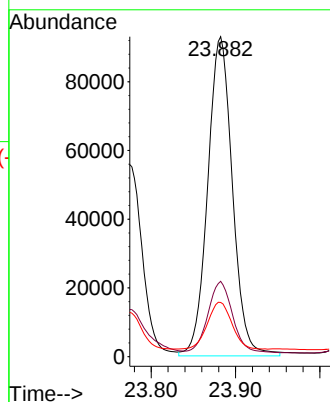


Tgt Ion:252 Resp: 189856

Ion	Ratio	Lower	Upper
252	100		
253	23.5	21.9	32.9
125	16.9	22.9	34.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#40

Dibenzo(a,h)anthracene

Concen: 1.276 ng

RT: 26.557 min Scan# 3946

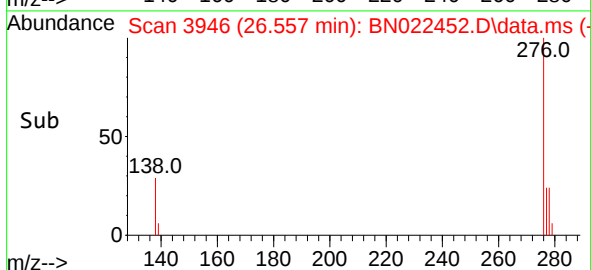
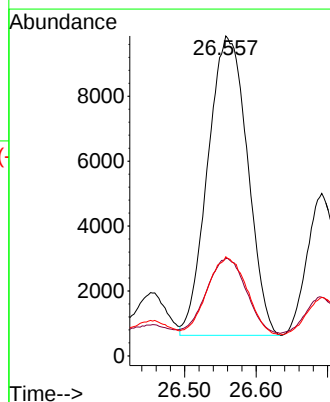
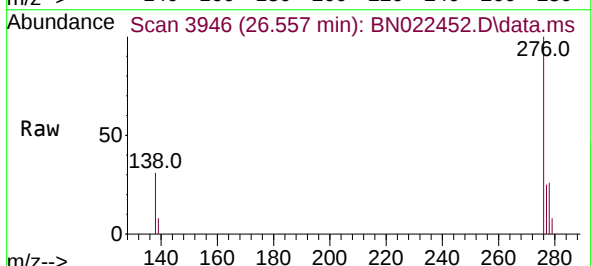
Delta R.T. -0.029 min

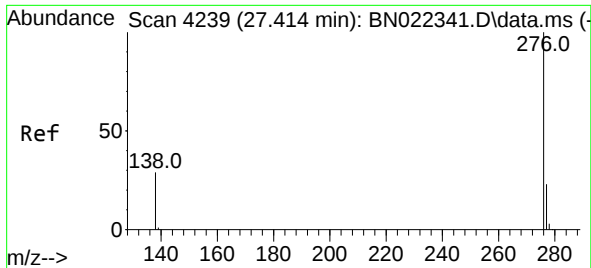
Lab File: BN022452.D

Acq: 02 Nov 2022 03:18

Tgt Ion:278 Resp: 35563

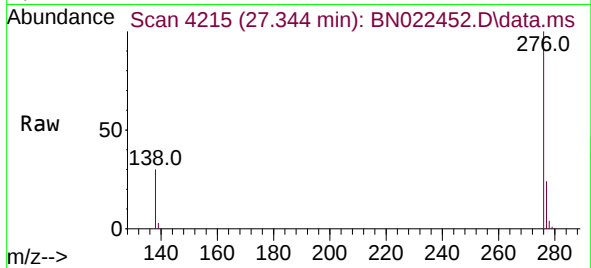
Ion	Ratio	Lower	Upper
278	100		
139	30.5	20.2	30.2
279	31.0	21.0	31.4





#41
Benzo(g,h,i)perylene
Concen: 4.204 ng
RT: 27.344 min Scan# 41
Delta R.T. -0.015 min
Lab File: BN022452.D
Acq: 02 Nov 2022 03:18

Instrument :
BNA_N
ClientSampleId :
LSP-SS-06-20-40



Tgt Ion:276 Resp: 123608
Ion Ratio Lower Upper
276 100
277 24.0 19.5 29.3
138 30.4 25.0 37.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022

