

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110122\
 Data File : BN022454.D
 Acq On : 02 Nov 2022 04:32
 Operator : CG/JU
 Sample : N5235-04
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LSP-DS-01-09-11

Quant Time: Nov 02 05:41:20 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	7.928	152	3905	0.400	ng	0.00
7) Naphthalene-d8	10.752	136	11022	0.400	ng	0.00
13) Acenaphthene-d10	14.589	164	4618	0.400	ng	0.00
19) Phenanthrene-d10	17.350	188	7327	0.400	ng	# 0.00
29) Chrysene-d12	21.546	240	8236	0.400	ng	# 0.00
35) Perylene-d12	23.996	264	8387	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.458	112	2730	0.262	ng	0.00
5) Phenol-d6	7.090	99	3664	0.281	ng	0.00
8) Nitrobenzene-d5	9.108	82	2217	0.233	ng	0.00
11) 2-Methylnaphthalene-d10	12.346	152	3525	0.204	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	452	0.228	ng	0.00
15) 2-Fluorobiphenyl	13.221	172	4690	0.237	ng	0.00
27) Fluoranthene-d10	19.386	212	5836	0.288	ng	0.00
31) Terphenyl-d14	19.980	244	5950	0.277	ng	0.00
Target Compounds						
						Qvalue
16) Acenaphthylene	14.311	152	7079	0.316	ng	98
18) Fluorene	15.647	166	882	0.042	ng	# 12
25) Phenanthrene	17.387	178	8113m	0.323	ng	
26) Anthracene	17.487	178	4606	0.218	ng	97
28) Fluoranthene	19.416	202	20758	0.762	ng	99
30) Pyrene	19.782	202	26033	0.687	ng	# 95
32) Benzo(a)anthracene	21.528	228	12637	0.390	ng	# 70
33) Chrysene	21.582	228	12614	0.372	ng	# 75
34) Bis(2-ethylhexyl)phtha...	21.448	149	14297	0.657	ng	# 87
36) Indeno(1,2,3-cd)pyrene	26.555	276	9353	0.226	ng	94
37) Benzo(b)fluoranthene	23.245	252	17205	0.448	ng	# 26
38) Benzo(k)fluoranthene	23.289	252	5706m	0.149	ng	
39) Benzo(a)pyrene	23.885	252	12668	0.406	ng	# 47
40) Dibenzo(a,h)anthracene	26.563	278	2885	0.089	ng	# 1
41) Benzo(g,h,i)perylene	27.353	276	13453	0.394	ng	# 75

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

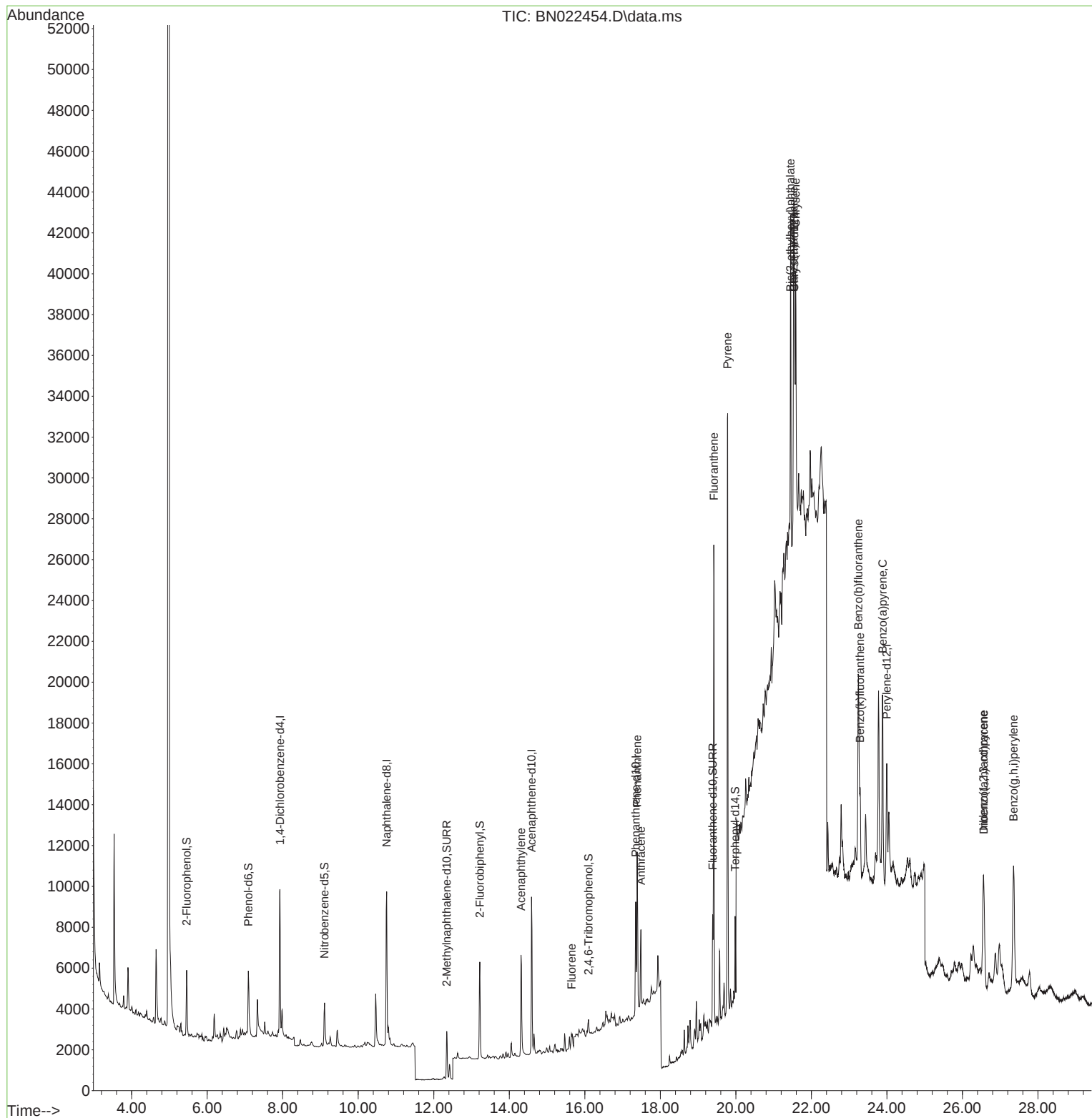
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110122\
Data File : BN022454.D
Acq On : 02 Nov 2022 04:32
Operator : CG/JU
Sample : N5235-04
Misc :
ALS Vial : 62 Sample Multiplier: 1

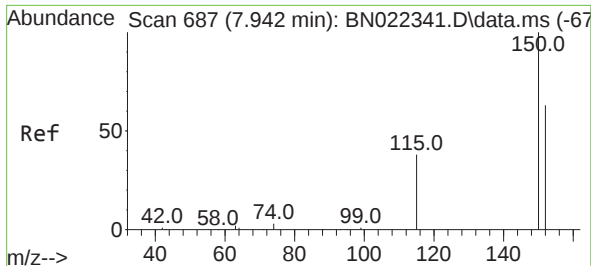
Instrument :
BNA_N
ClientSampleId :
LSP-DS-01-09-11

Quant Time: Nov 02 05:41:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102722.M
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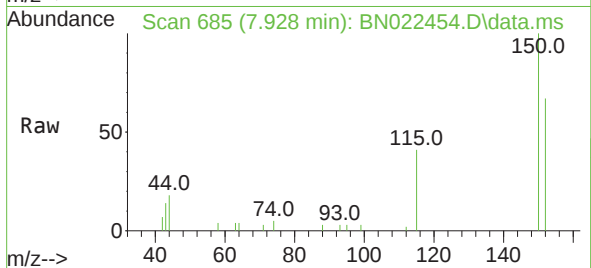
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.928 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

Instrument :

BNA_N

ClientSampleId :

LSP-DS-01-09-11

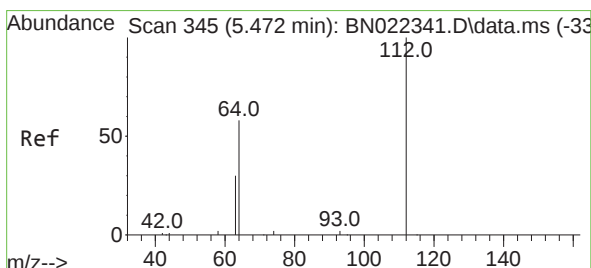
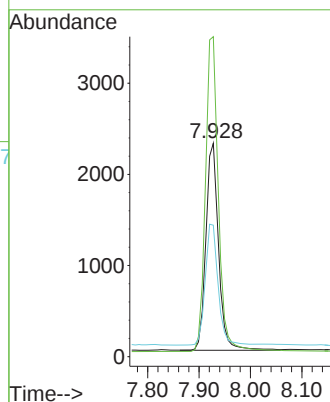
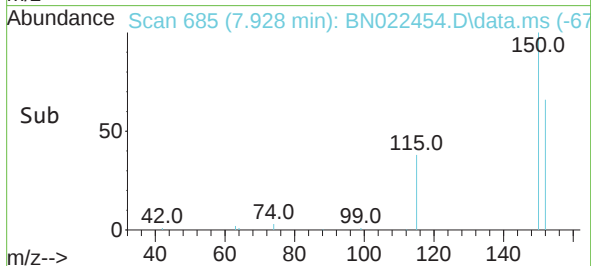


Tgt Ion:152 Resp: 390
Ion Ratio Lower Upper
152 100
150 149.9 125.2 187.8
115 61.6 52.0 78.0

Manual Integrations

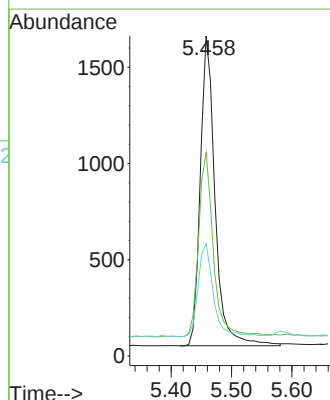
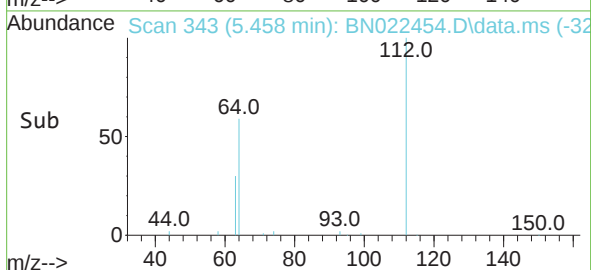
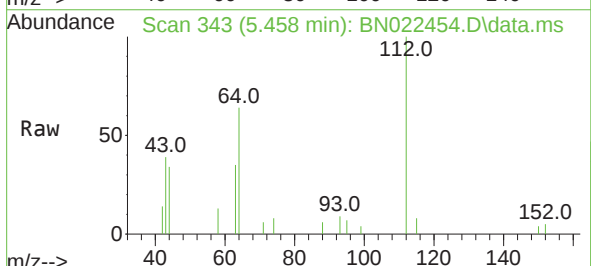
APPROVED

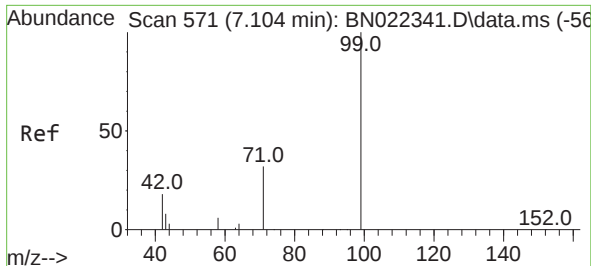
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#4
2-Fluorophenol
Concen: 0.262 ng
RT: 5.458 min Scan# 343
Delta R.T. -0.000 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

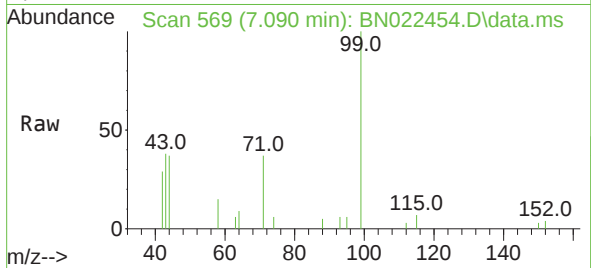
Tgt Ion:112 Resp: 2730
Ion Ratio Lower Upper
112 100
64 60.5 47.0 70.4
63 31.0 24.5 36.7





#5
Phenol-d6
Concen: 0.281 ng
RT: 7.090 min Scan# 571
Delta R.T. -0.000 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

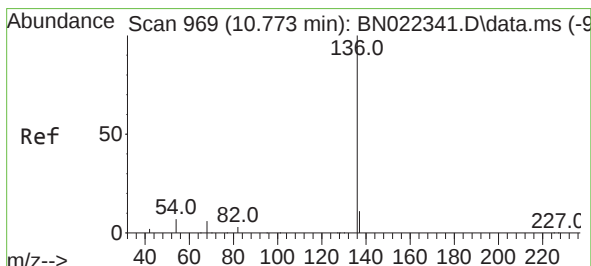
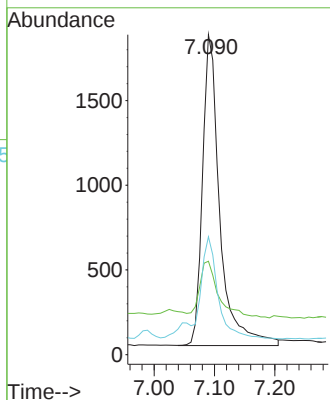
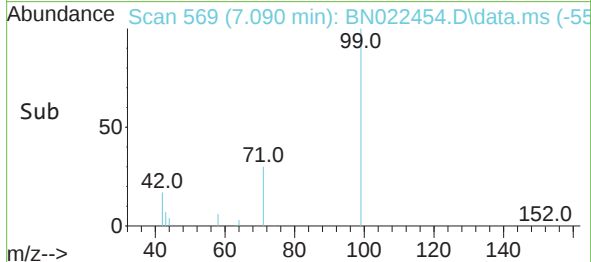
Instrument :
BNA_N
ClientSampleId :
LSP-DS-01-09-11



Tgt Ion: 99 Resp: 3664
Ion Ratio Lower Upper
99 100
42 20.2 16.3 24.5
71 36.3 26.1 39.1

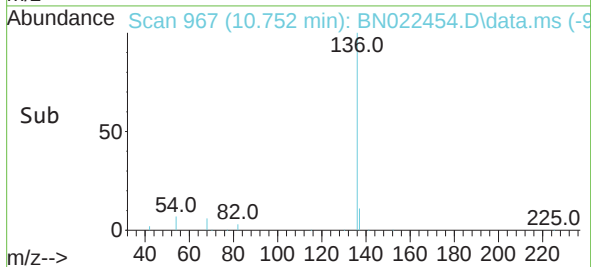
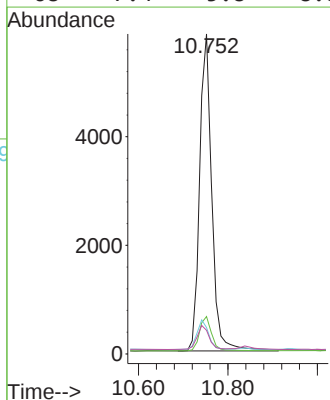
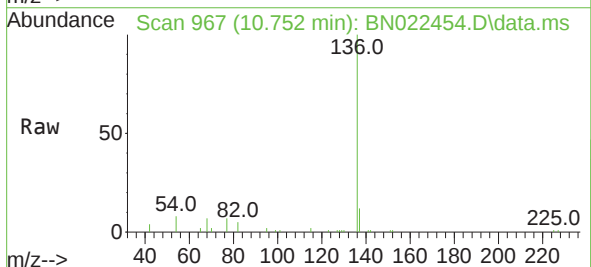
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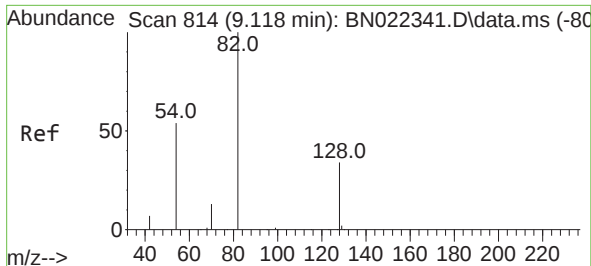
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 967
Delta R.T. -0.000 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

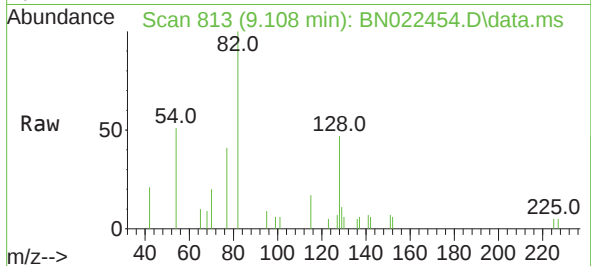
Tgt Ion:136 Resp: 11022
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.2
54 8.2 6.5 9.7
68 7.4 5.8 8.8





#8
Nitrobenzene-d5
Concen: 0.233 ng
RT: 9.108 min Scan# 814
Delta R.T. -0.000 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

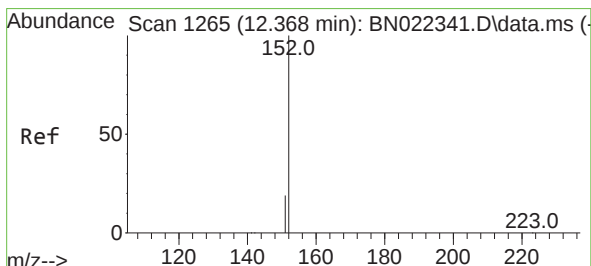
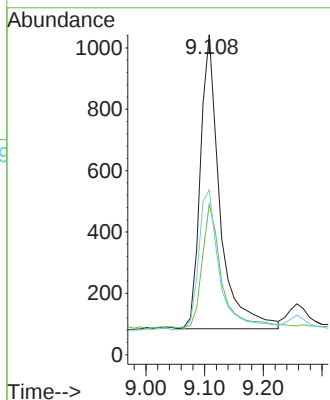
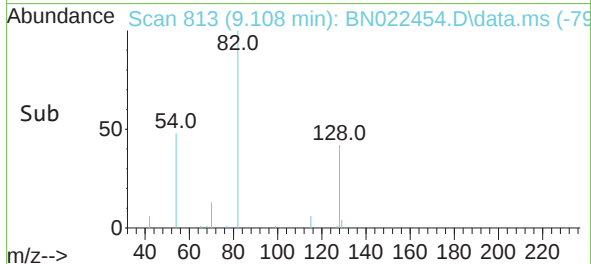
Instrument :
BNA_N
ClientSampleId :
LSP-DS-01-09-11



Tgt Ion: 82 Resp: 221
Ion Ratio Lower Upper
82 100
128 47.0 30.5 45.7
54 51.5 45.2 67.8

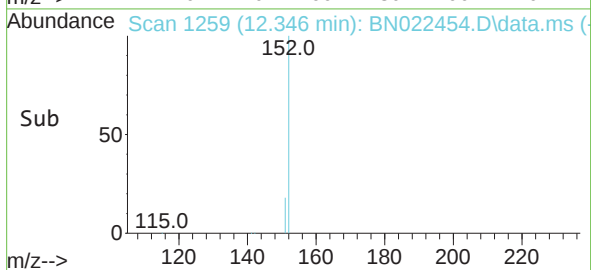
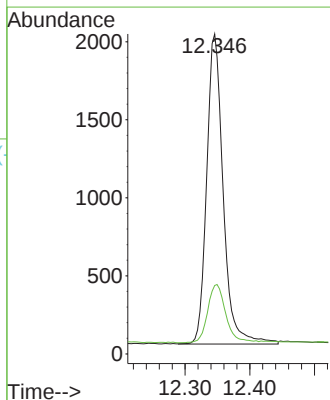
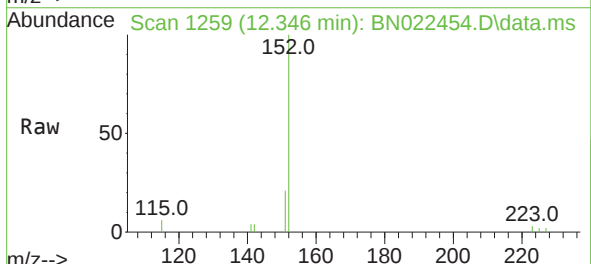
Manual Integrations
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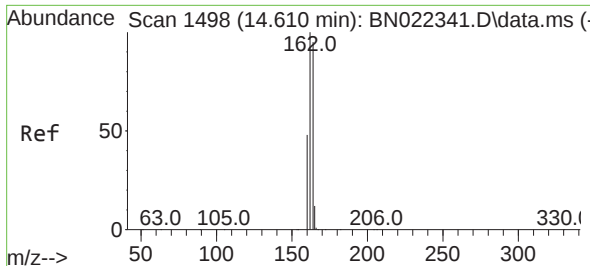
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#11
2-Methylnaphthalene-d10
Concen: 0.204 ng
RT: 12.346 min Scan# 1259
Delta R.T. -0.004 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

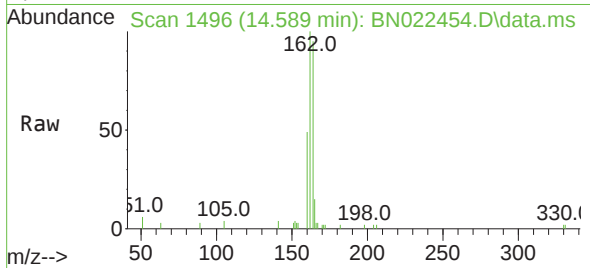
Tgt Ion:152 Resp: 3525
Ion Ratio Lower Upper
152 100
151 21.0 16.7 25.1





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

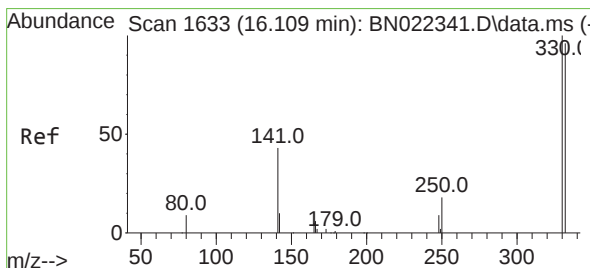
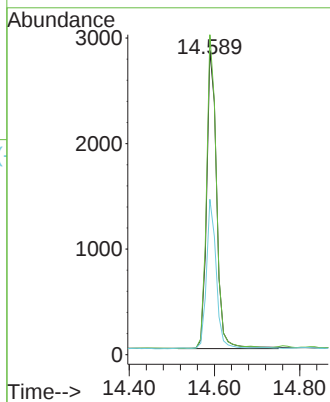
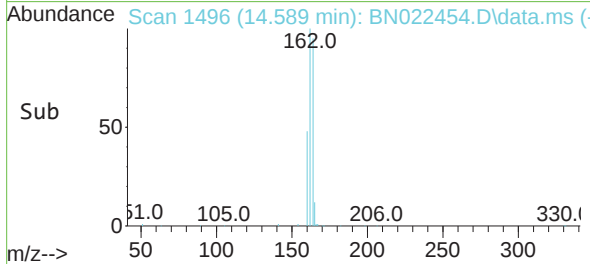
Instrument :
BNA_N
ClientSampleId :
LSP-DS-01-09-11



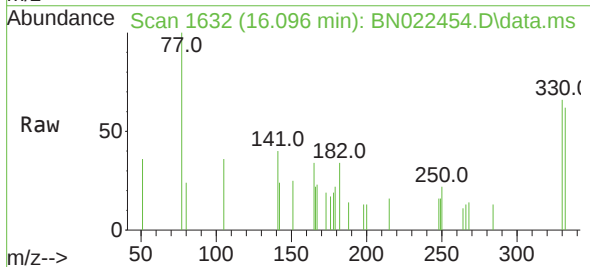
Tgt Ion:164 Resp: 4618
Ion Ratio Lower Upper
164 100
162 105.2 83.9 125.9
160 51.1 41.0 61.4

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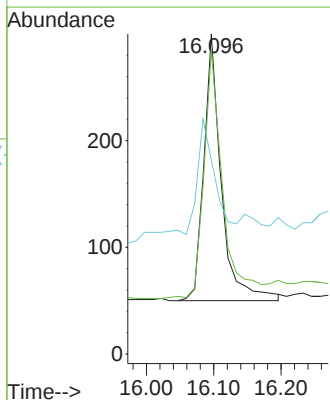
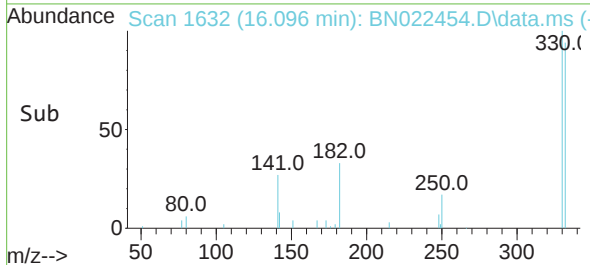
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022

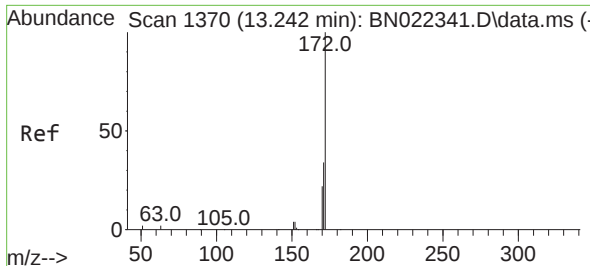


#14
2,4,6-Tribromophenol
Concen: 0.228 ng
RT: 16.096 min Scan# 1632
Delta R.T. -0.000 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32



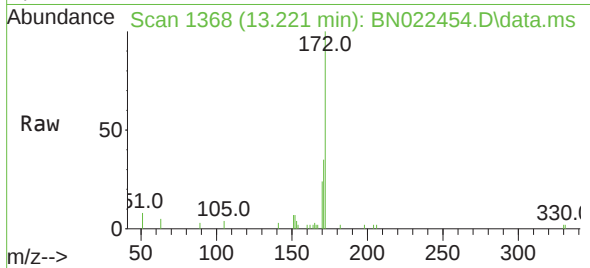
Tgt Ion:330 Resp: 452
Ion Ratio Lower Upper
330 100
332 100.0 78.6 118.0
141 41.2 40.2 60.4





#15
2-Fluorobiphenyl
Concen: 0.237 ng
RT: 13.221 min Scan# 1368
Delta R.T. -0.000 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

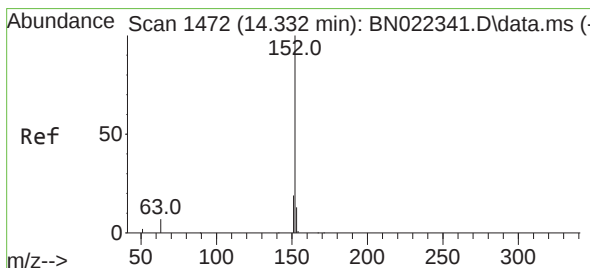
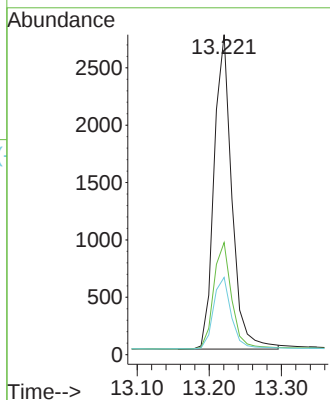
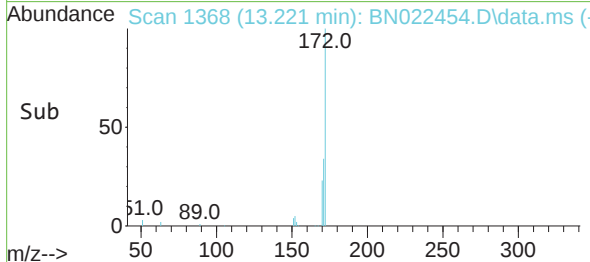
Instrument :
BNA_N
ClientSampleId :
LSP-DS-01-09-11



Tgt Ion:172 Resp: 4690
Ion Ratio Lower Upper
172 100
171 35.0 27.4 41.0
170 24.1 18.5 27.7

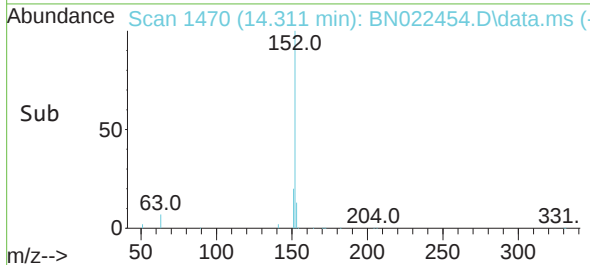
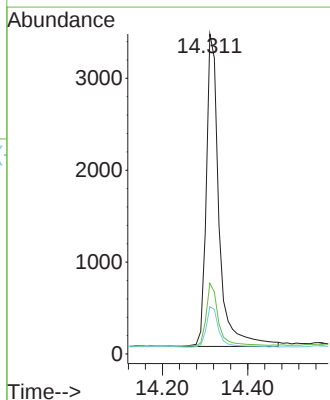
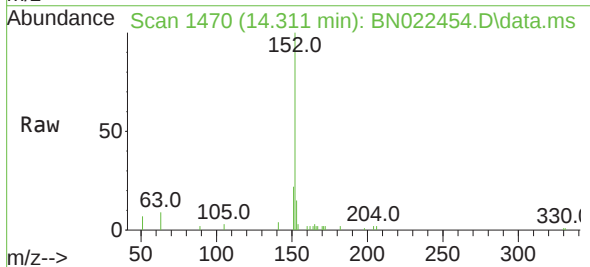
Manual Integrations
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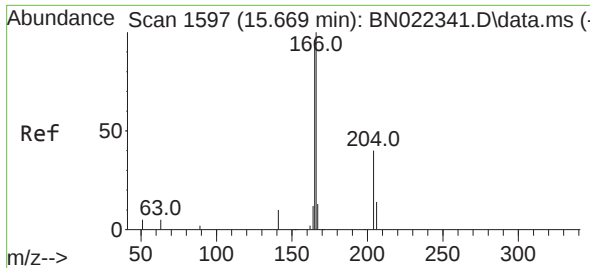
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#16
Acenaphthylene
Concen: 0.316 ng
RT: 14.311 min Scan# 1470
Delta R.T. -0.000 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

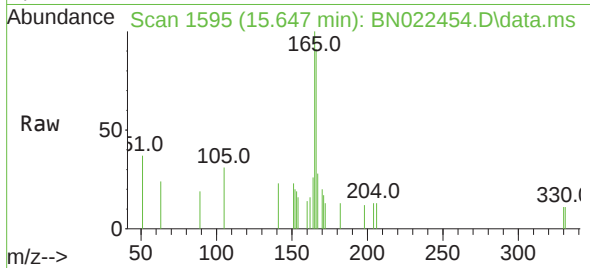
Tgt Ion:152 Resp: 7079
Ion Ratio Lower Upper
152 100
151 20.0 15.2 22.8
153 12.6 10.3 15.5





#18
Fluorene
Concen: 0.042 ng
RT: 15.647 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

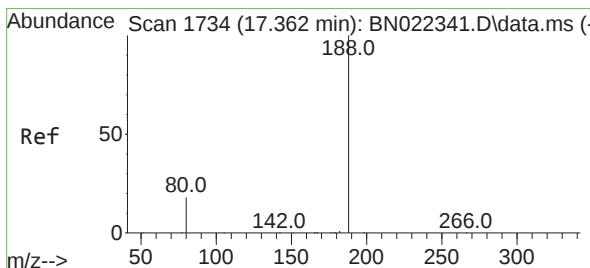
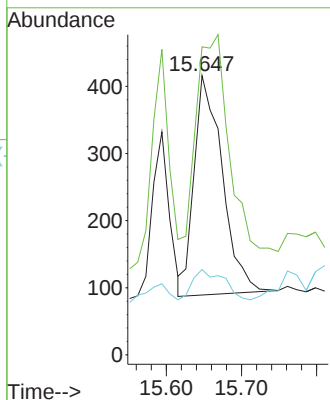
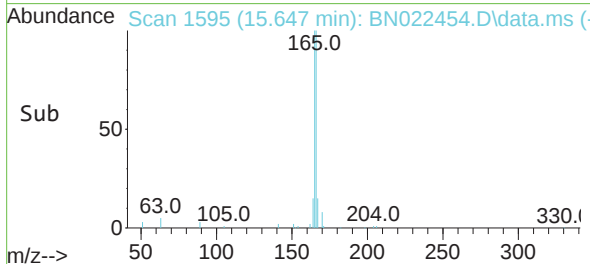
Instrument :
BNA_N
ClientSampleId :
LSP-DS-01-09-11



Tgt Ion:166 Resp: 882
Ion Ratio Lower Upper
166 100
165 0.0 78.6 118.0
167 14.5 10.2 15.4

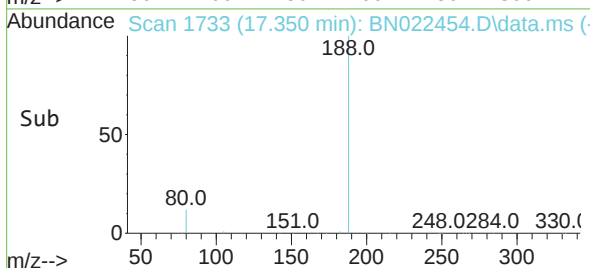
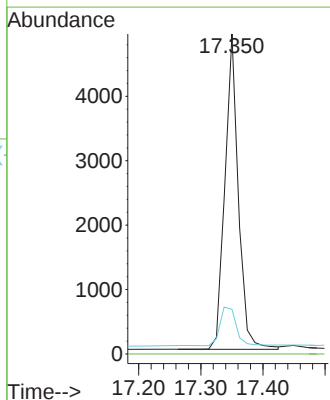
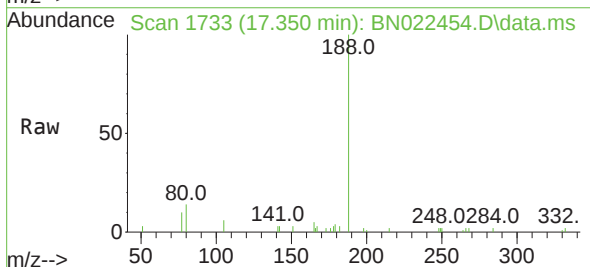
Manual Integrations
APPROVED

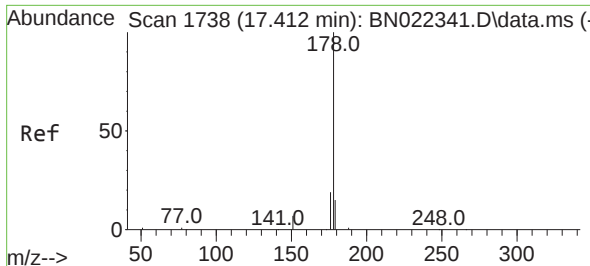
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

Tgt Ion:188 Resp: 7327
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.9 15.0 22.6





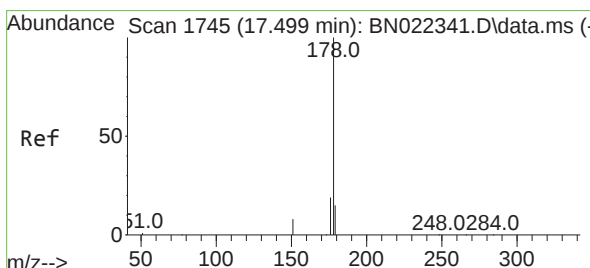
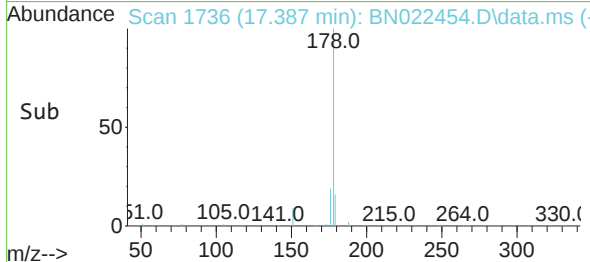
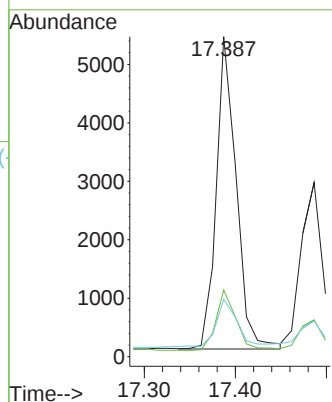
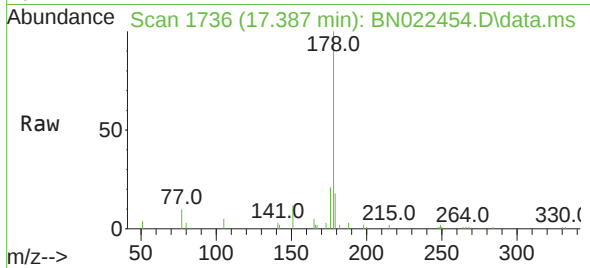
#25
Phenanthrene
Concen: 0.323 ng m
RT: 17.387 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

Instrument :
BNA_N
ClientSampleId :
LSP-DS-01-09-11

Tgt Ion:178 Resp: 811
Ion Ratio Lower Upper
178 100
176 19.8 15.3 22.9
179 17.8 12.5 18.7

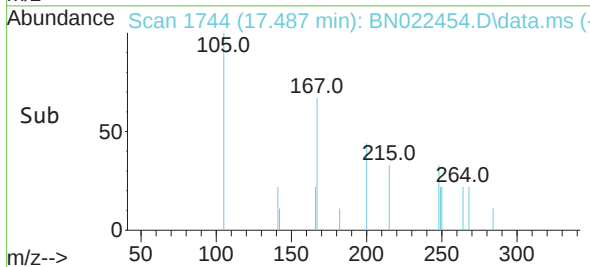
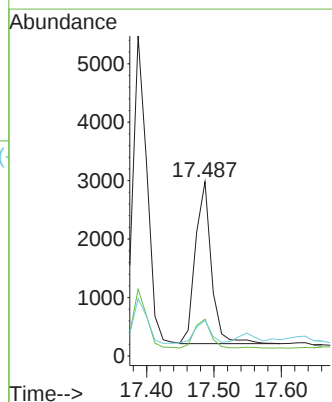
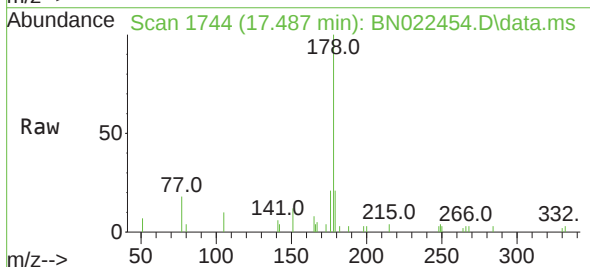
Manual Integrations
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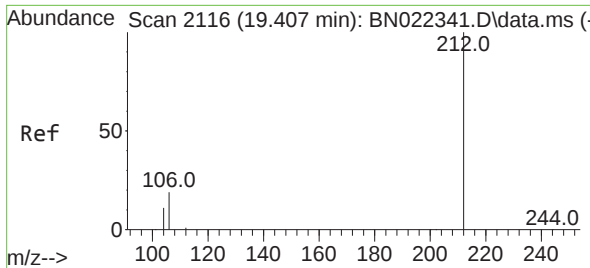
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#26
Anthracene
Concen: 0.218 ng
RT: 17.487 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

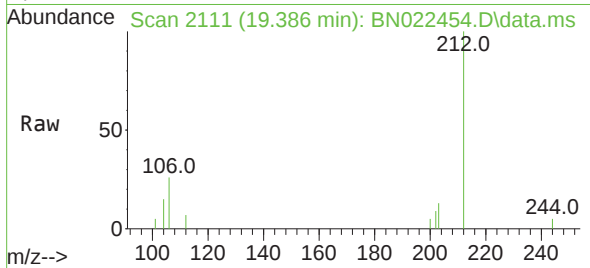
Tgt Ion:178 Resp: 4606
Ion Ratio Lower Upper
178 100
176 17.9 15.0 22.4
179 13.9 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.288 ng
RT: 19.386 min Scan# 2111
Delta R.T. -0.004 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

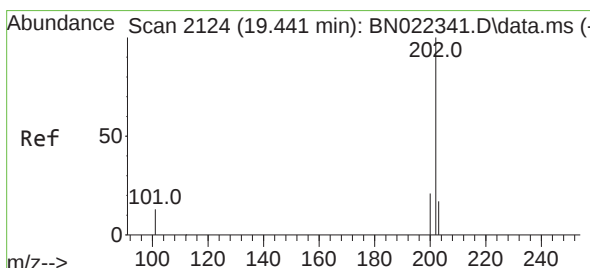
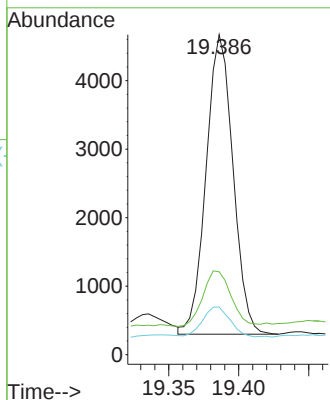
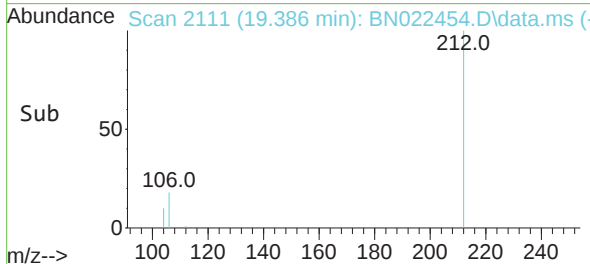
Instrument :
BNA_N
ClientSampleId :
LSP-DS-01-09-11



Tgt Ion:212 Resp: 5830
Ion Ratio Lower Upper
212 100
106 19.4 15.0 22.4
104 10.6 9.3 13.9

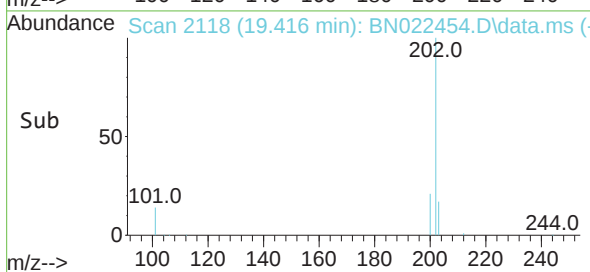
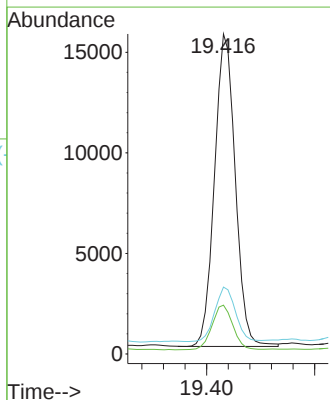
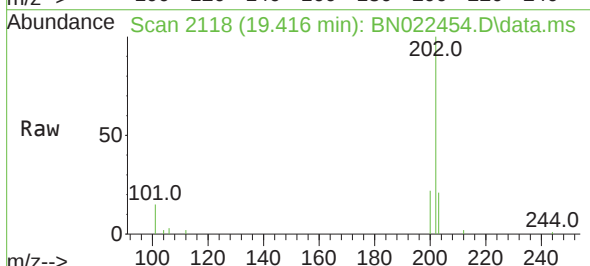
Manual Integrations
APPROVED

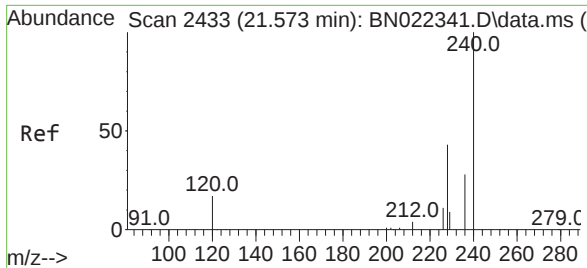
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#28
Fluoranthene
Concen: 0.762 ng
RT: 19.416 min Scan# 2118
Delta R.T. -0.004 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

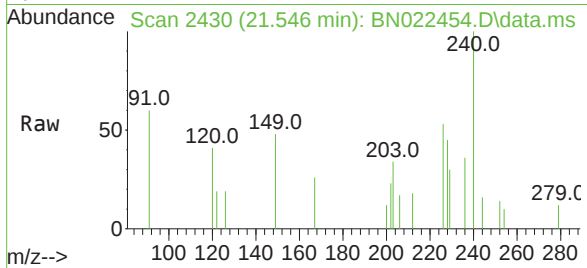
Tgt Ion:202 Resp: 20758
Ion Ratio Lower Upper
202 100
101 14.3 11.4 17.0
203 17.4 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.546 min Scan# 2433
Delta R.T. -0.009 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

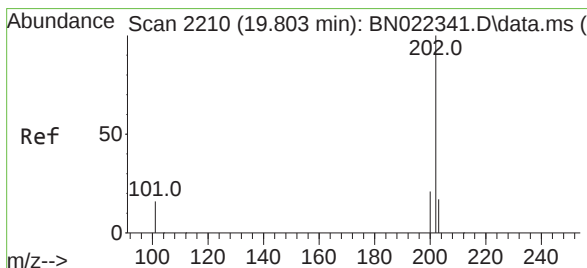
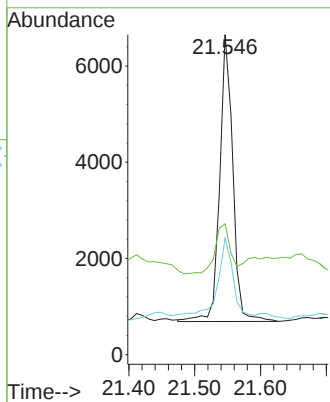
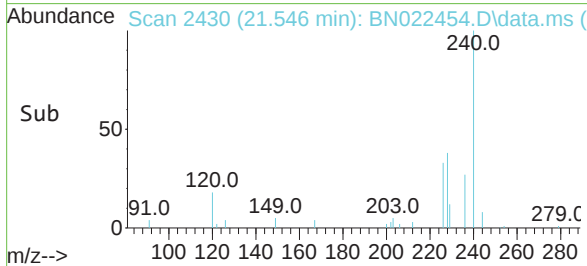
Instrument :
BNA_N
ClientSampleId :
LSP-DS-01-09-11



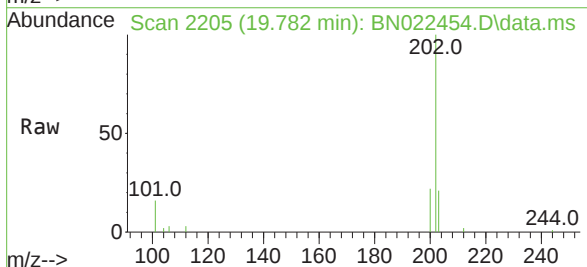
Tgt Ion:240 Resp: 8230
Ion Ratio Lower Upper
240 100
120 40.9 15.8 23.6
236 36.4 23.2 34.8

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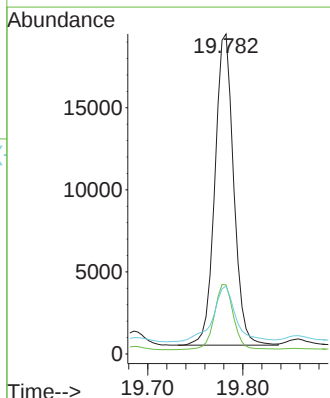
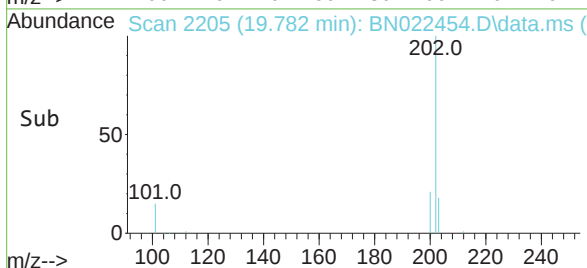
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022

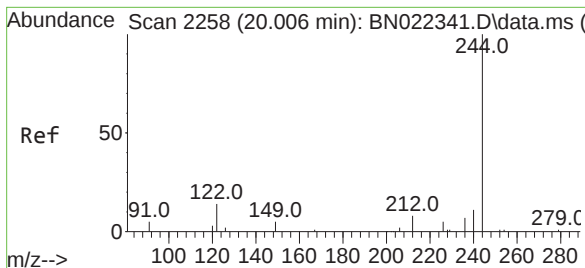


#30
Pyrene
Concen: 0.687 ng
RT: 19.782 min Scan# 2205
Delta R.T. -0.004 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32



Tgt Ion:202 Resp: 26033
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 22.0 14.2 21.2





#31

Terphenyl-d14

Concen: 0.277 ng

RT: 19.980 min Scan# 21

Delta R.T. -0.004 min

Lab File: BN022454.D

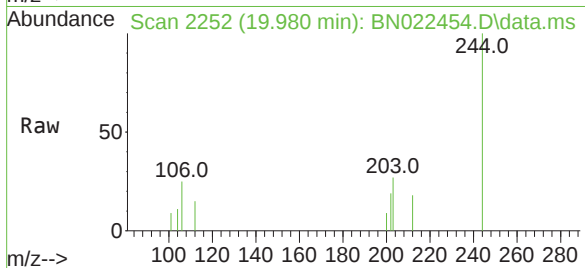
Acq: 02 Nov 2022 04:32

Instrument :

BNA_N

ClientSampleId :

LSP-DS-01-09-11

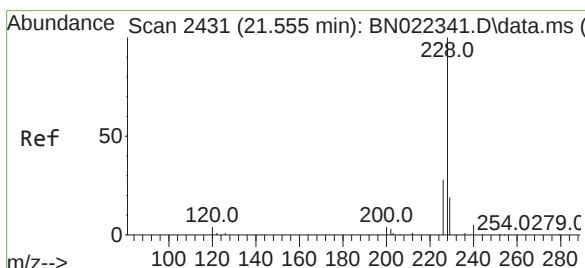
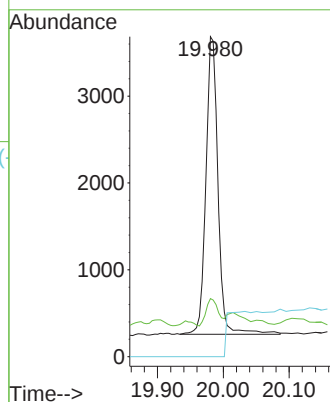


Tgt Ion:244	Resp:	5950
Ion Ratio	Lower	Upper
244	100	
212	18.1	7.0 10.4
122	0.0	11.5 17.3

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: 0.390 ng

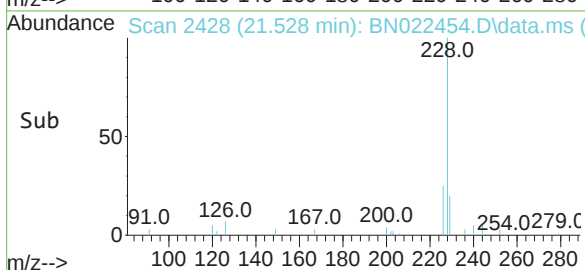
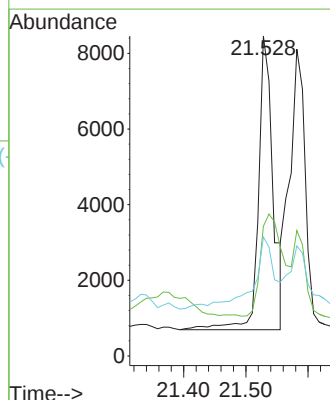
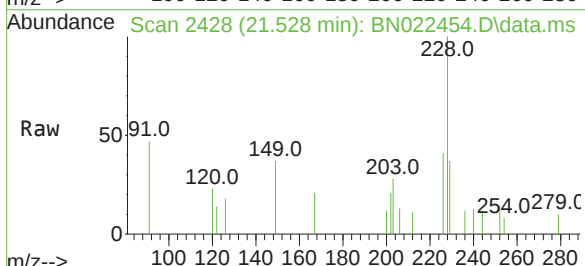
RT: 21.528 min Scan# 2428

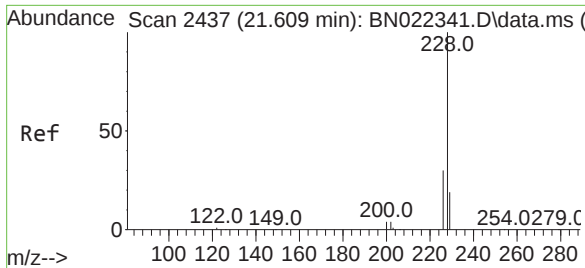
Delta R.T. -0.009 min

Lab File: BN022454.D

Acq: 02 Nov 2022 04:32

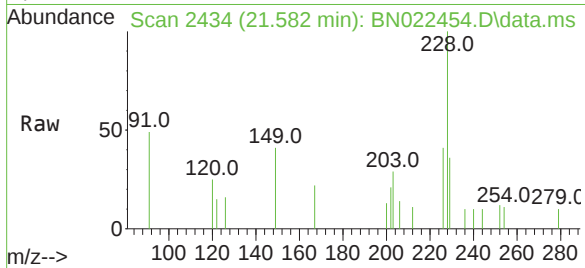
Tgt Ion:228	Resp:	12637
Ion Ratio	Lower	Upper
228	100	
226	40.6	22.6 34.0
229	37.2	15.5 23.3





#33
Chrysene
Concen: 0.372 ng
RT: 21.582 min Scan# 2437
Delta R.T. -0.009 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

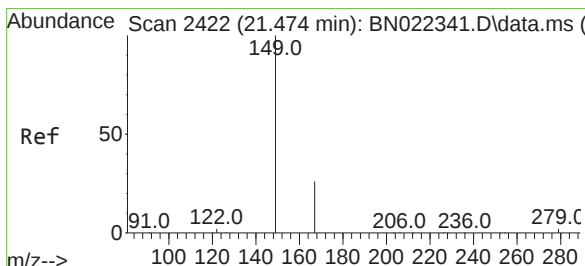
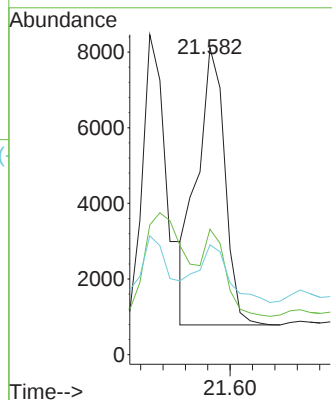
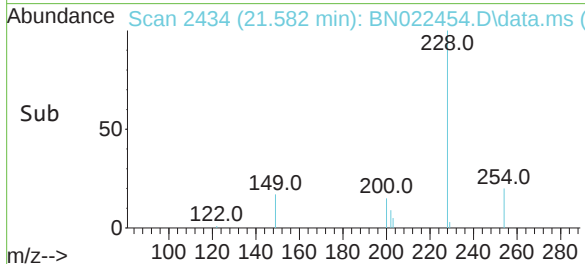
Instrument :
BNA_N
ClientSampleId :
LSP-DS-01-09-11



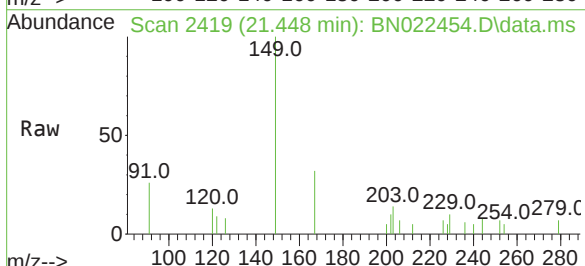
Tgt Ion: 228 Resp: 12614
Ion Ratio Lower Upper
228 100
226 40.9 24.5 36.7
229 35.8 15.6 23.4

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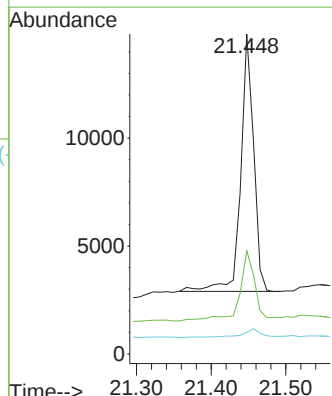
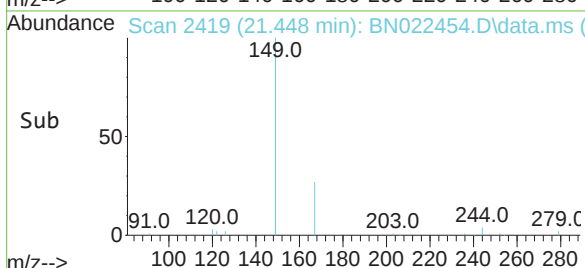
Reviewed By : Christian Giraldo 11/02/2022
Supervised By : mohammad ahmed 11/04/2022

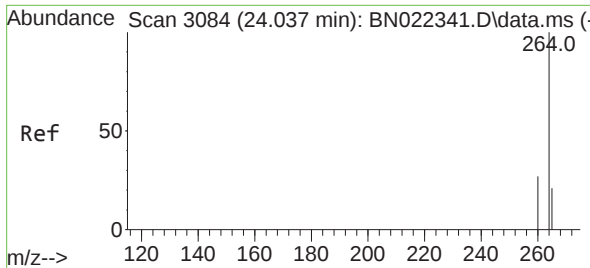


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.657 ng
RT: 21.448 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32



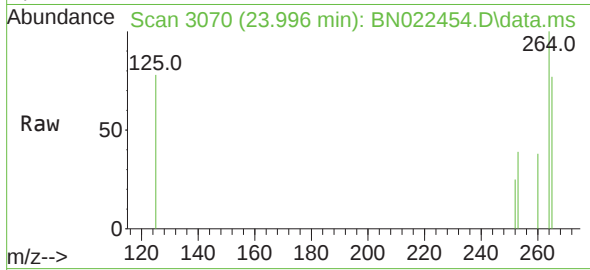
Tgt Ion: 149 Resp: 14297
Ion Ratio Lower Upper
149 100
167 32.2 20.2 30.4#
279 5.3 2.3 3.5#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.996 min Scan# 3084
 Delta R.T. -0.006 min
 Lab File: BN022454.D
 Acq: 02 Nov 2022 04:32

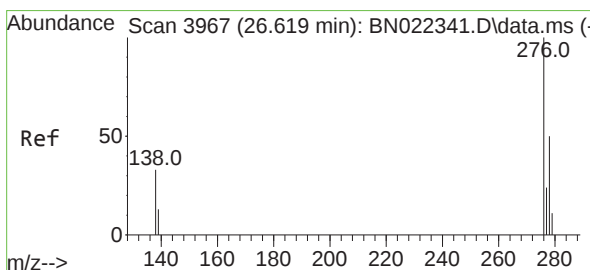
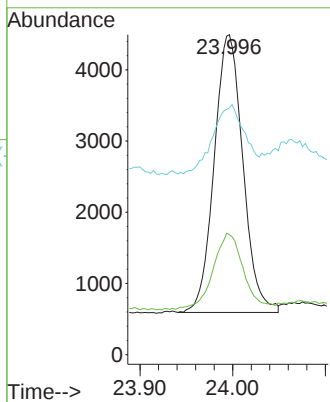
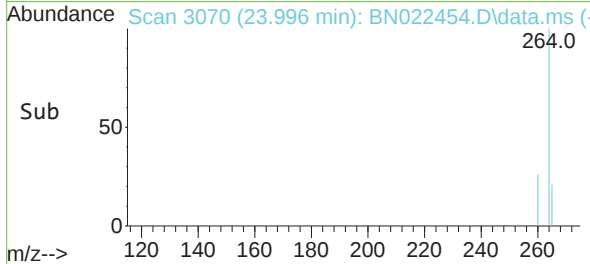
Instrument :
 BNA_N
 ClientSampleId :
 LSP-DS-01-09-11



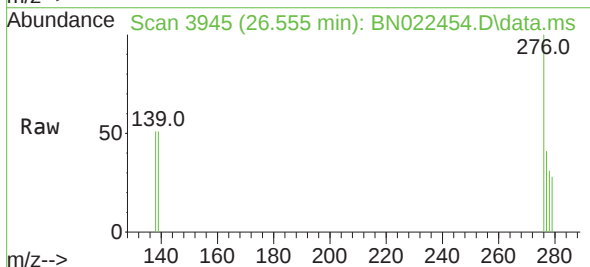
Tgt Ion:264 Resp: 838
 Ion Ratio Lower Upper
 264 100
 260 37.5 22.1 33.1
 265 77.1 53.0 79.4

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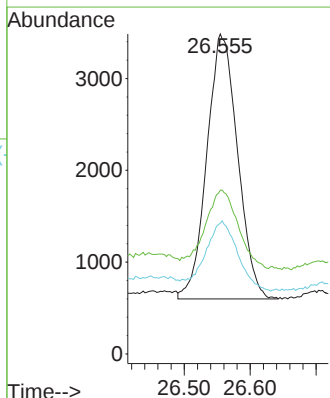
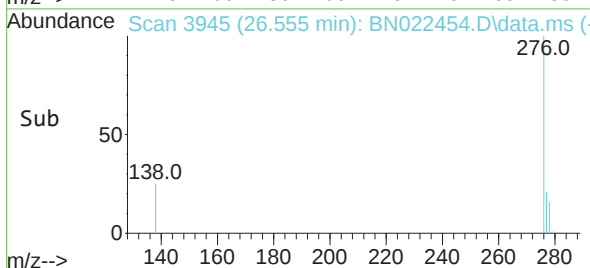
Reviewed By :Christian Giraldo 11/02/2022
 Supervised By :mohammad ahmed 11/04/2022

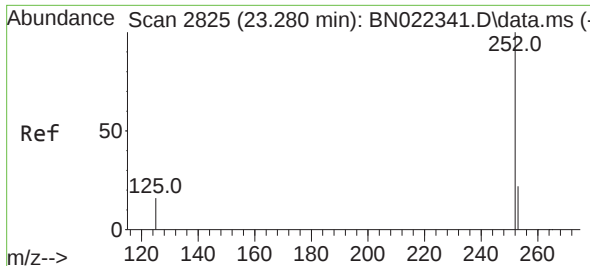


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.226 ng
 RT: 26.555 min Scan# 3945
 Delta R.T. -0.012 min
 Lab File: BN022454.D
 Acq: 02 Nov 2022 04:32



Tgt Ion:276 Resp: 9353
 Ion Ratio Lower Upper
 276 100
 138 31.0 28.2 42.2
 277 27.3 19.7 29.5





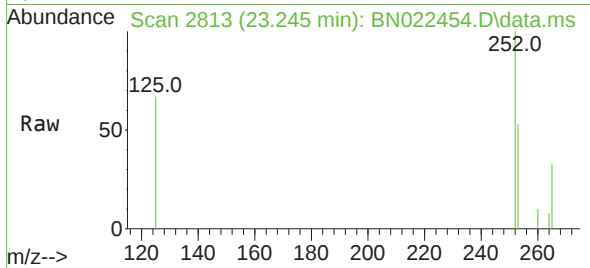
#37
Benzo(b)fluoranthene
Concen: 0.448 ng
RT: 23.245 min Scan# 2813
Delta R.T. -0.003 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

Instrument :

BN022454.D

ClientSampleId :

LSP-DS-01-09-11

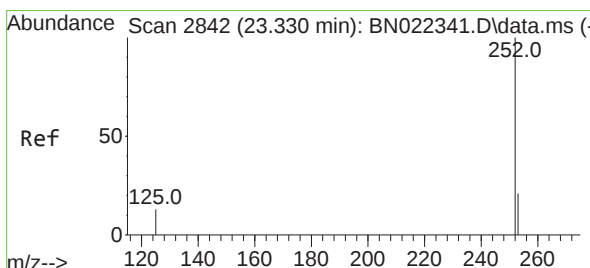
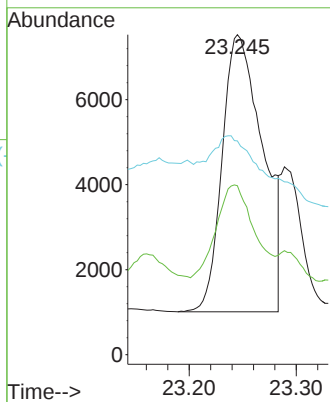
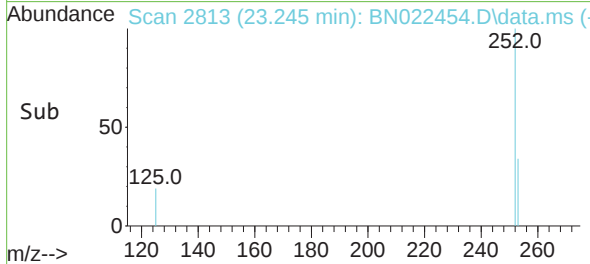


Tgt Ion:252 Resp: 1720
Ion Ratio Lower Upper
252 100
253 52.8 20.4 30.6
125 66.8 16.6 25.0

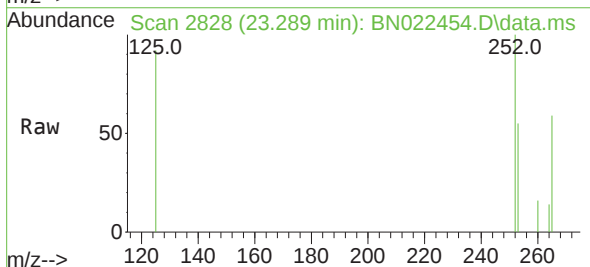
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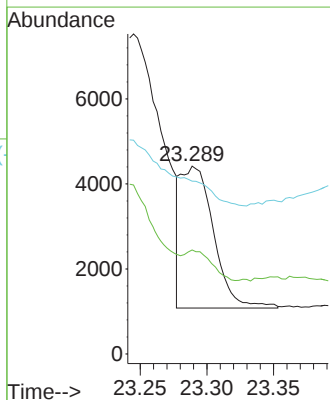
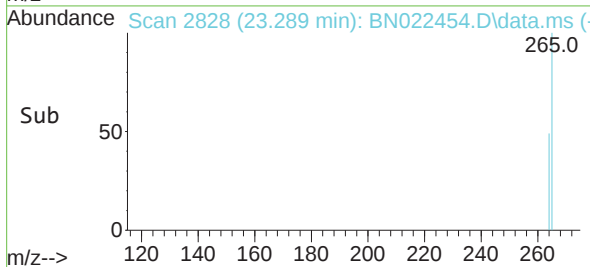
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022

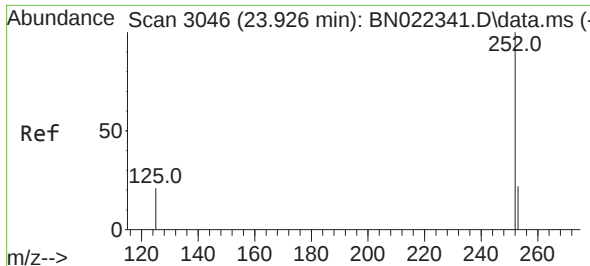


#38
Benzo(k)fluoranthene
Concen: 0.149 ng m
RT: 23.289 min Scan# 2828
Delta R.T. -0.009 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32



Tgt Ion:252 Resp: 5706
Ion Ratio Lower Upper
252 100
253 55.3 19.8 29.8#
125 92.0 15.0 22.6#





#39

Benzo(a)pyrene

Concen: 0.406 ng

RT: 23.885 min Scan# 3046

Delta R.T. -0.006 min

Lab File: BN022454.D

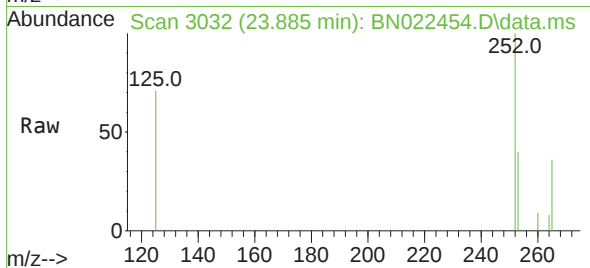
Acq: 02 Nov 2022 04:32

Instrument :

BNA_N

ClientSampleId :

LSP-DS-01-09-11

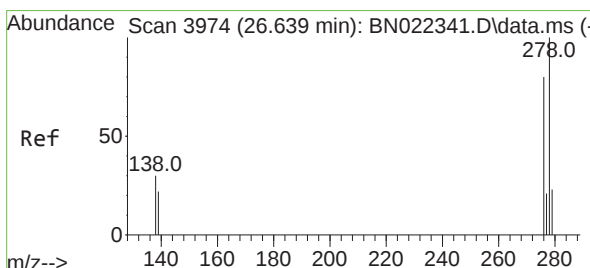
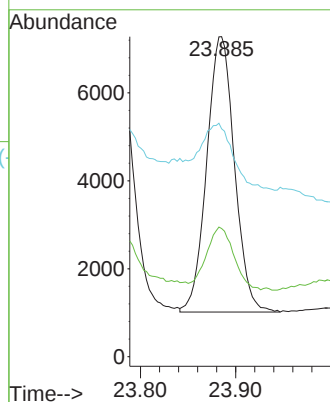
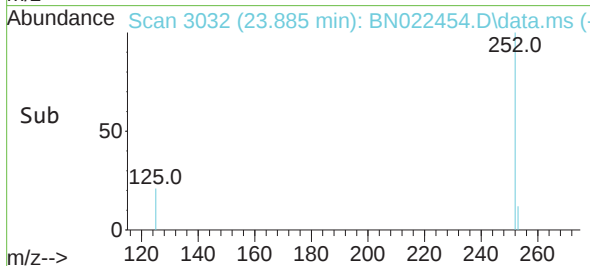


Tgt Ion:	252	Resp:	1266
Ion Ratio	Lower	Upper	
252	100		
253	40.1	21.9	32.9
125	71.2	22.9	34.3

Manual Integrations

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Supervised By :mohammad ahmed 11/04/2022



#40

Dibenzo(a,h)anthracene

Concen: 0.089 ng

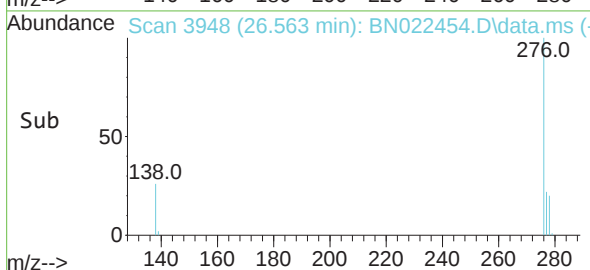
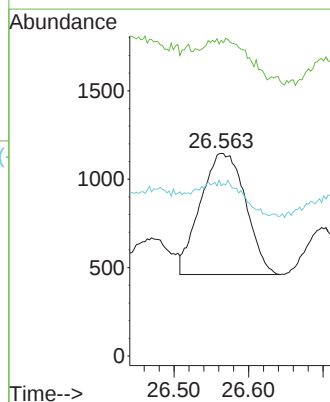
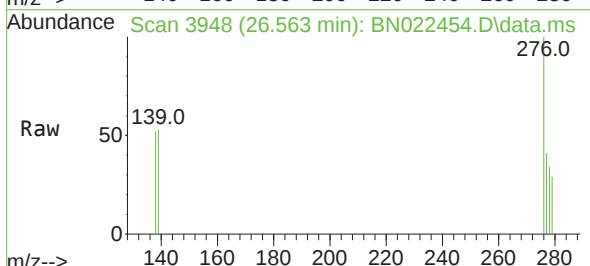
RT: 26.563 min Scan# 3948

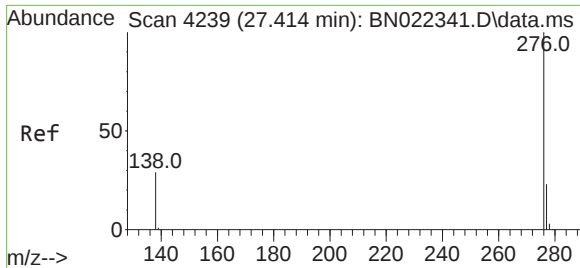
Delta R.T. -0.023 min

Lab File: BN022454.D

Acq: 02 Nov 2022 04:32

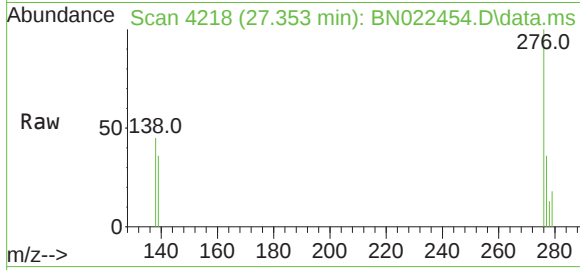
Tgt Ion:	278	Resp:	2885
Ion Ratio	Lower	Upper	
278	100		
139	155.8	20.2	30.2
279	84.0	21.0	31.4





#41
Benzo(g,h,i)perylene
Concen: 0.394 ng
RT: 27.353 min Scan# 41
Delta R.T. -0.006 min
Lab File: BN022454.D
Acq: 02 Nov 2022 04:32

Instrument :
BNA_N
ClientSampleId :
LSP-DS-01-09-11



Tgt Ion:276 Resp: 1345
Ion Ratio Lower Upper
276 100
277 36.5 19.5 29.3
138 45.4 25.0 37.4

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

