

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110122\
 Data File : BN022455.D
 Acq On : 02 Nov 2022 05:09
 Operator : CG/JU
 Sample : N5235-06
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LSP-SS-02-03-05

Manual Integrations
 APPROVED

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

Quant Time: Nov 02 05:53:48 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	3233	0.400	ng	0.00
7) Naphthalene-d8	10.752	136	10722	0.400	ng	# 0.00
13) Acenaphthene-d10	14.589	164	5447	0.400	ng	0.00
19) Phenanthrene-d10	17.350	188	9907	0.400	ng	# 0.00
29) Chrysene-d12	21.546	240	8440	0.400	ng	# 0.00
35) Perylene-d12	23.999	264	8773	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.458	112	2729	0.317	ng	0.00
5) Phenol-d6	7.090	99	3164	0.293	ng	0.00
8) Nitrobenzene-d5	9.108	82	1859	0.200	ng	0.00
11) 2-Methylnaphthalene-d10	12.346	152	3415	0.203	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	634	0.271	ng	0.00
15) 2-Fluorobiphenyl	13.221	172	5066	0.217	ng	0.00
27) Fluoranthene-d10	19.386	212	4534	0.166	ng	0.00
31) Terphenyl-d14	19.985	244	4928	0.224	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.795	128	16552	0.516	ng	98
16) Acenaphthylene	14.311	152	26004	0.985	ng	# 94
17) Acenaphthene	14.653	154	9413	0.523	ng	99
18) Fluorene	15.648	166	19772	0.789	ng	# 95
25) Phenanthrene	17.387	178	63976m	1.883	ng	
26) Anthracene	17.487	178	28557	0.998	ng	99
28) Fluoranthene	19.416	202	55814	1.515	ng	99
30) Pyrene	19.782	202	95855	2.468	ng	# 95
32) Benzo(a)anthracene	21.528	228	51686	1.556	ng	# 88
33) Chrysene	21.582	228	52067	1.499	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.448	149	3815	0.122	ng	# 82
36) Indeno(1,2,3-cd)pyrene	26.564	276	39074	0.902	ng	96
37) Benzo(b)fluoranthene	23.248	252	66511	1.656	ng	# 70
38) Benzo(k)fluoranthene	23.292	252	20429m	0.511	ng	
39) Benzo(a)pyrene	23.888	252	58364	1.786	ng	# 85
40) Dibenzo(a,h)anthracene	26.578	278	12229m	0.361	ng	
41) Benzo(g,h,i)perylene	27.362	276	46915	1.314	ng	91

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

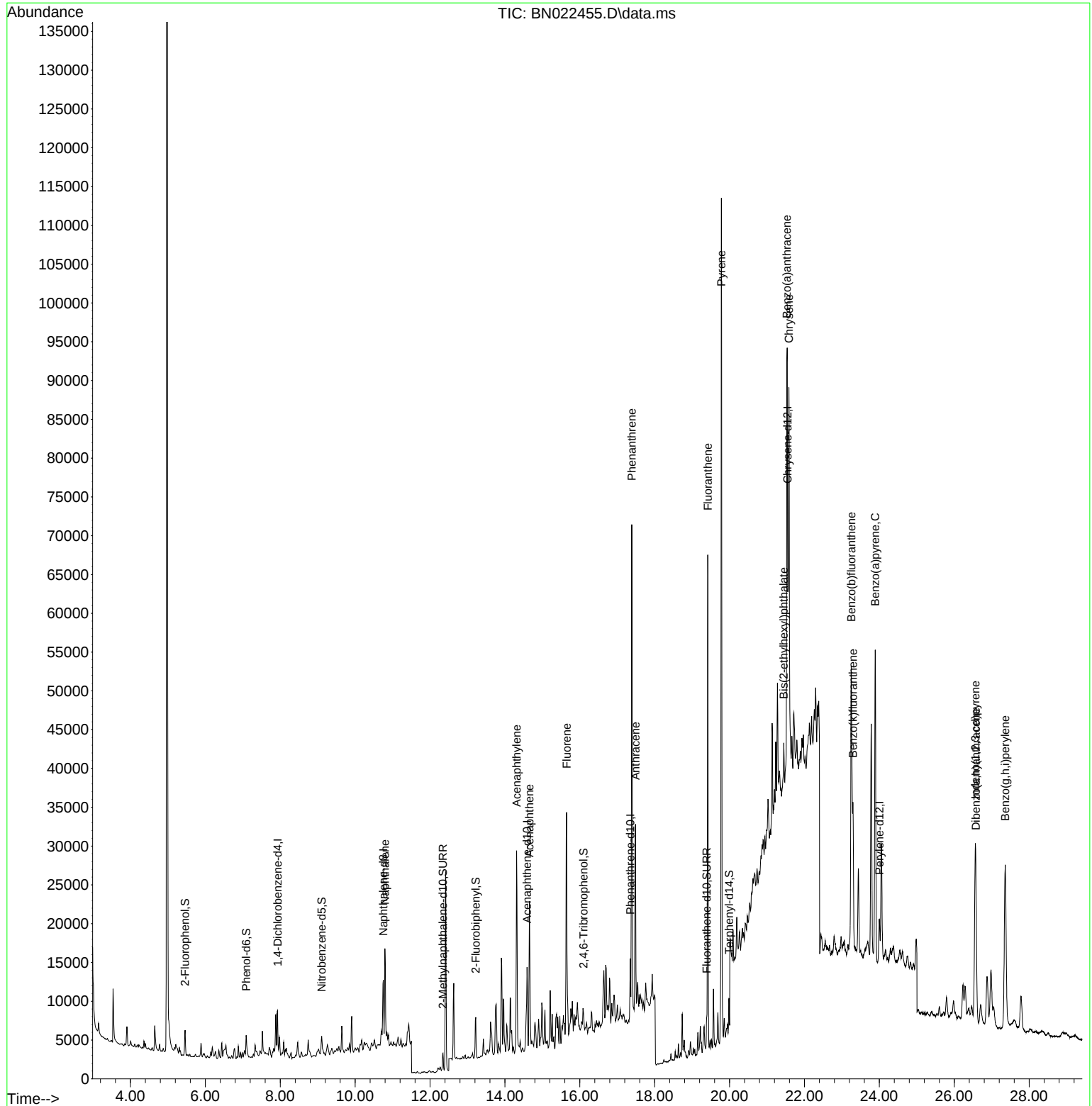
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110122\
Data File : BN022455.D
Acq On : 02 Nov 2022 05:09
Operator : CG/JU
Sample : N5235-06
Misc :
ALS Vial : 63 Sample Multiplier: 1

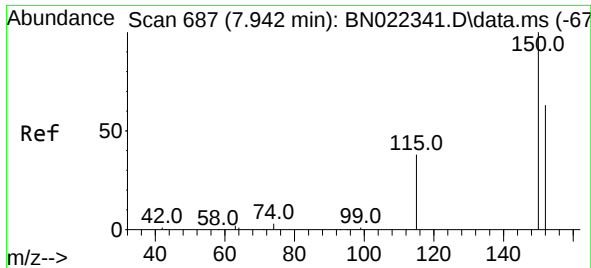
Instrument :
BNA_N
ClientSampleId :
LSP-SS-02-03-05

Quant Time: Nov 02 05:53:48 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

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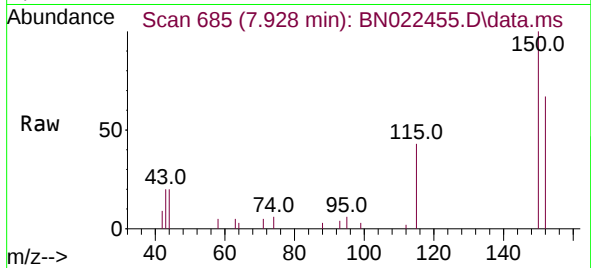
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.928 min Scan# 687
Delta R.T. -0.000 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

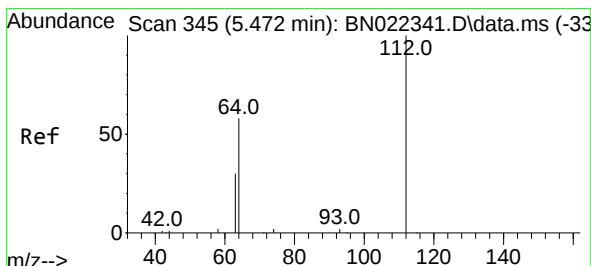
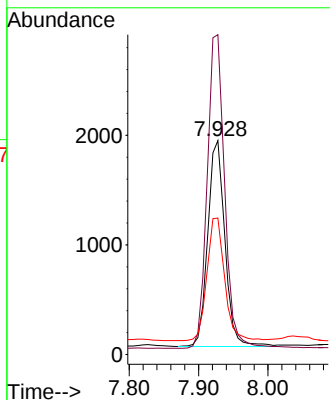
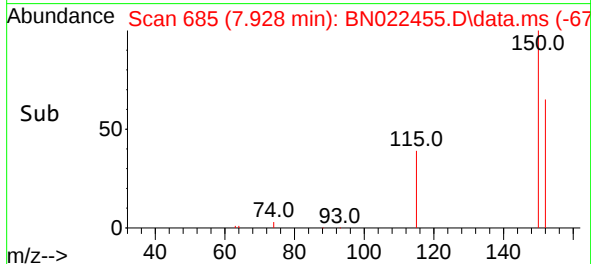
Instrument :
BNA_N
ClientSampleId :
LSP-SS-02-03-05



Tgt Ion:152 Resp: 3233
Ion Ratio Lower Upper
152 100
150 149.5 125.2 187.8
115 63.8 52.0 78.0

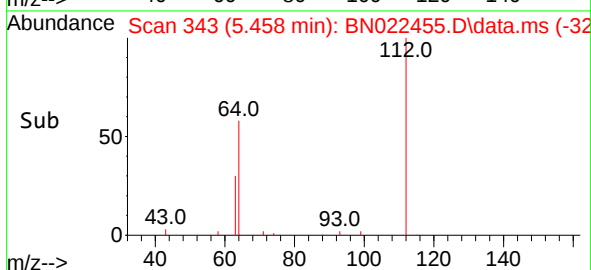
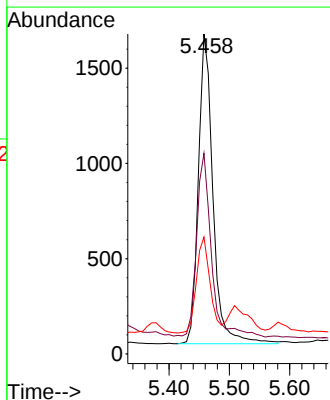
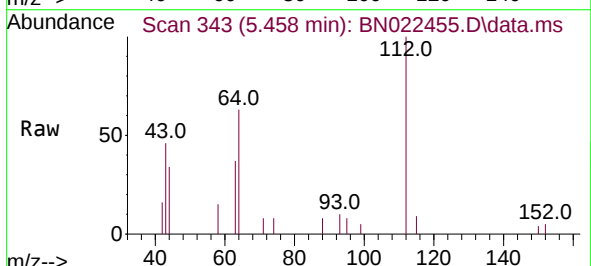
Manual Integrations
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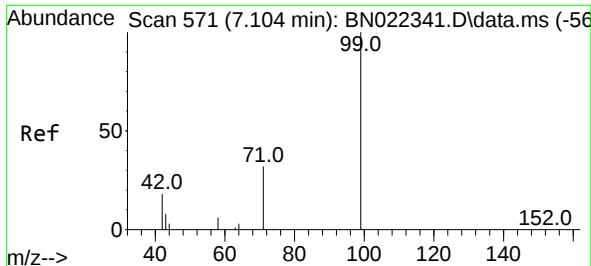
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#4
2-Fluorophenol
Concen: 0.317 ng
RT: 5.458 min Scan# 343
Delta R.T. 0.000 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

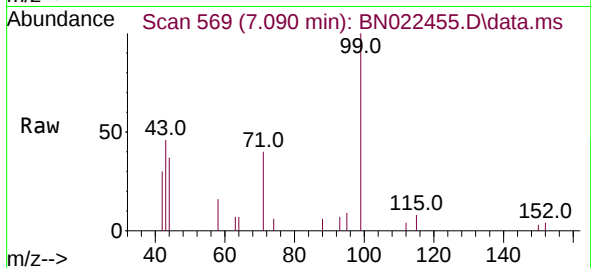
Tgt Ion:112 Resp: 2729
Ion Ratio Lower Upper
112 100
64 59.8 47.0 70.4
63 29.0 24.5 36.7





#5
Phenol-d6
Concen: 0.293 ng
RT: 7.090 min Scan# 50
Delta R.T. 0.000 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

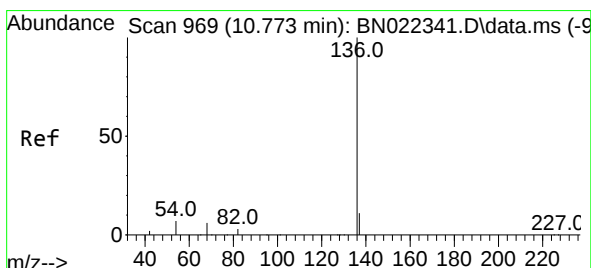
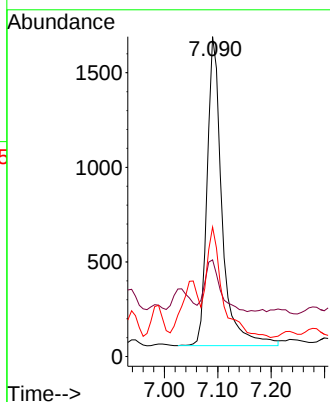
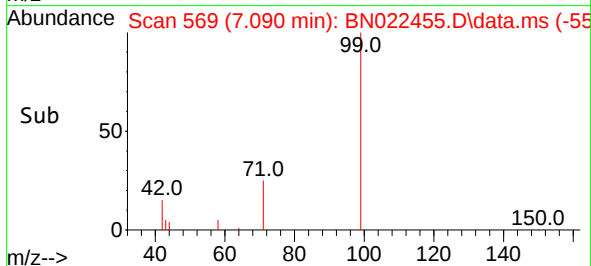
Instrument :
BNA_N
ClientSampleId :
LSP-SS-02-03-05



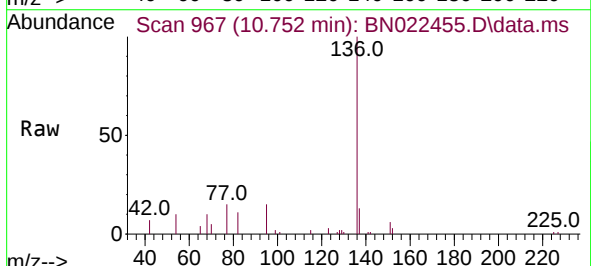
Tgt Ion: 99 Resp: 3164
Ion Ratio Lower Upper
99 100
42 16.9 16.3 24.5
71 37.8 26.1 39.1

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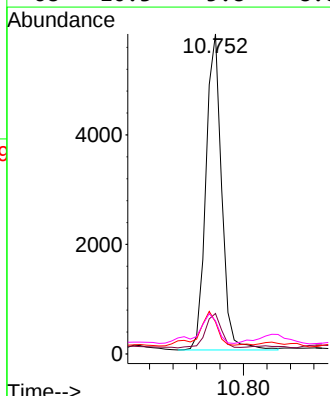
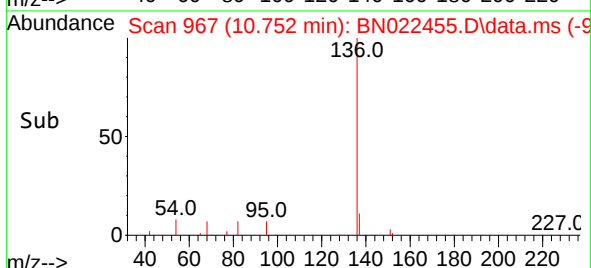
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022

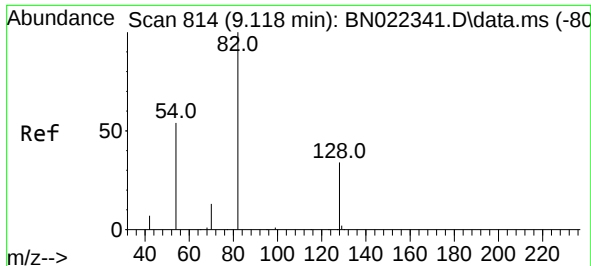


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 967
Delta R.T. 0.000 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09



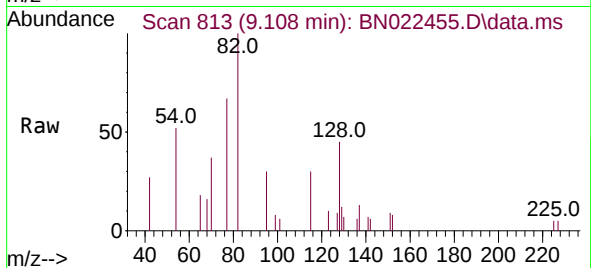
Tgt Ion:136 Resp: 10722
Ion Ratio Lower Upper
136 100
137 12.6 9.4 14.2
54 10.0 6.5 9.7#
68 10.3 5.8 8.8#





#8
Nitrobenzene-d5
Concen: 0.200 ng
RT: 9.108 min Scan# 814
Delta R.T. 0.000 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

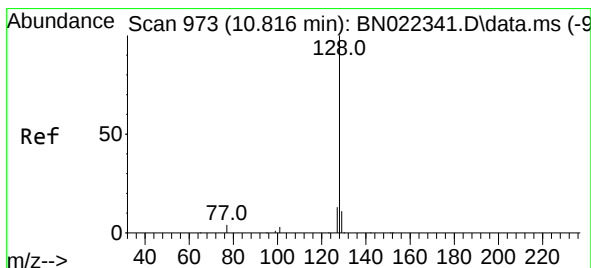
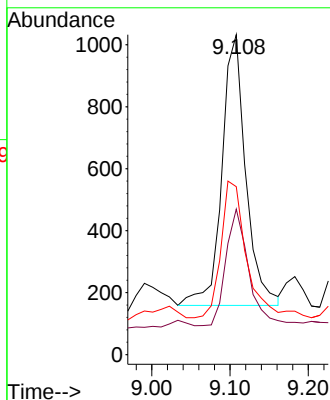
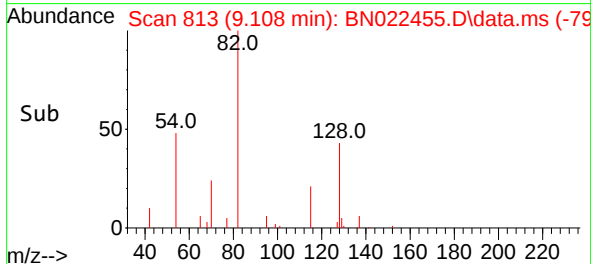
Instrument :
BNA_N
ClientSampleId :
LSP-SS-02-03-05



Tgt Ion: 82 Resp: 1859
Ion Ratio Lower Upper
82 100
128 45.5 30.5 45.7
54 52.5 45.2 67.8

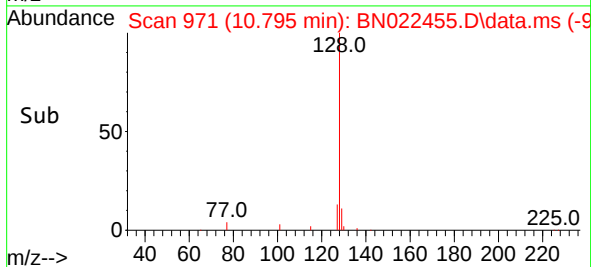
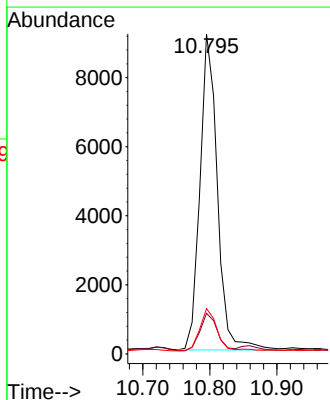
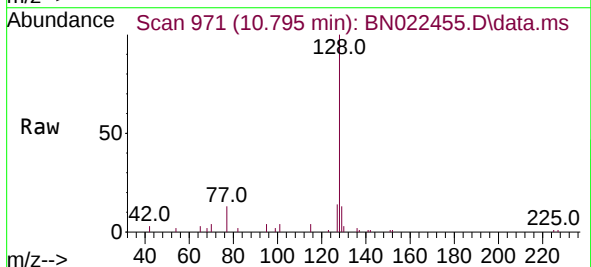
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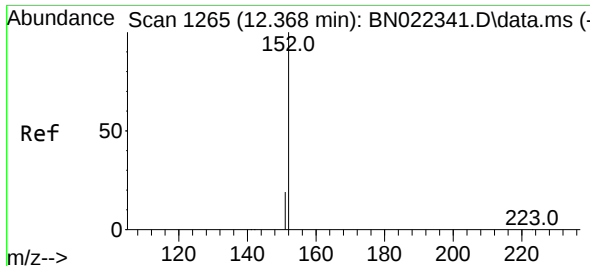
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#9
Naphthalene
Concen: 0.516 ng
RT: 10.795 min Scan# 971
Delta R.T. 0.000 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

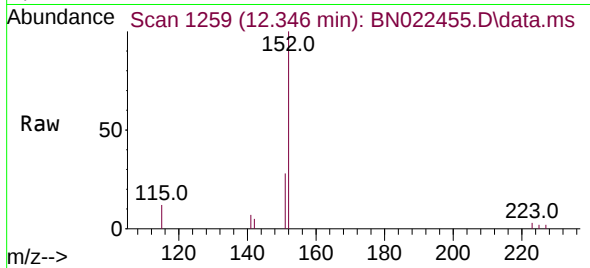
Tgt Ion:128 Resp: 16552
Ion Ratio Lower Upper
128 100
129 12.7 9.4 14.2
127 14.2 11.0 16.6





#11
2-Methylnaphthalene-d10
Concen: 0.203 ng
RT: 12.346 min Scan# 1259
Delta R.T. -0.004 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

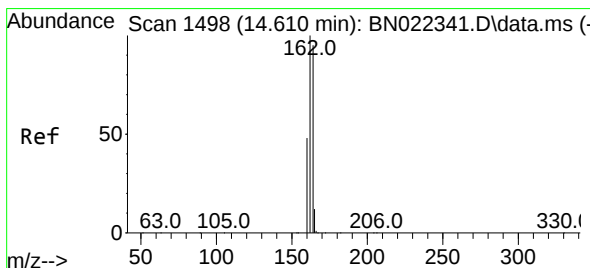
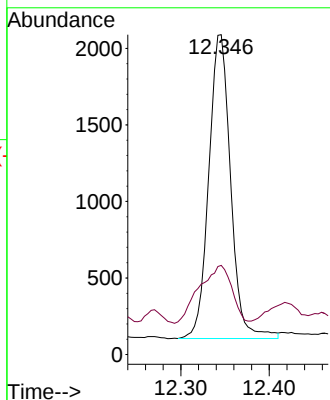
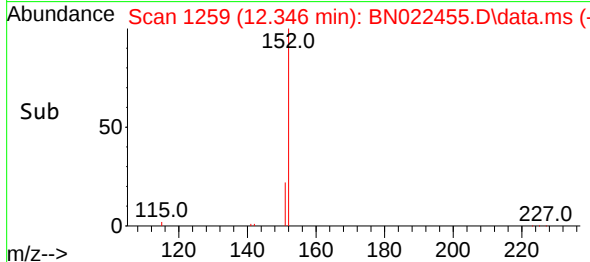
Instrument :
BNA_N
ClientSampleId :
LSP-SS-02-03-05



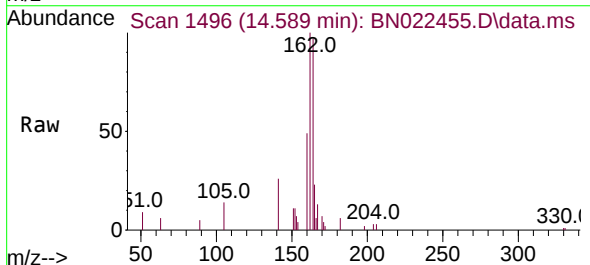
Tgt Ion:152 Resp: 3415
Ion Ratio Lower Upper
152 100
151 29.0 16.7 25.1

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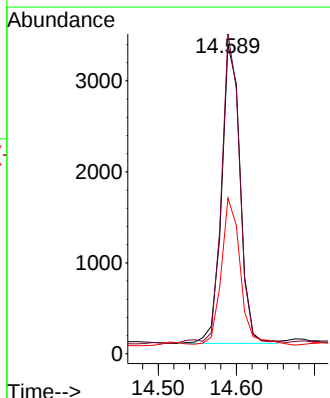
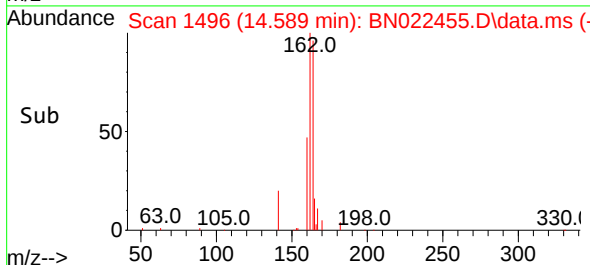
Reviewed By :Christian Giraldo 11/02/2022
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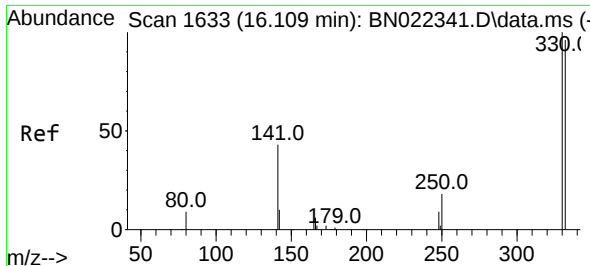


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.589 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09



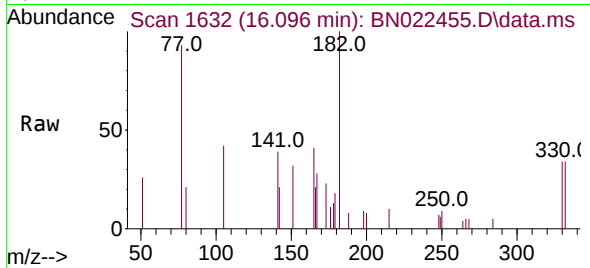
Tgt Ion:164 Resp: 5447
Ion Ratio Lower Upper
164 100
162 103.4 83.9 125.9
160 50.3 41.0 61.4





#14
2,4,6-Tribromophenol
Concen: 0.271 ng
RT: 16.096 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

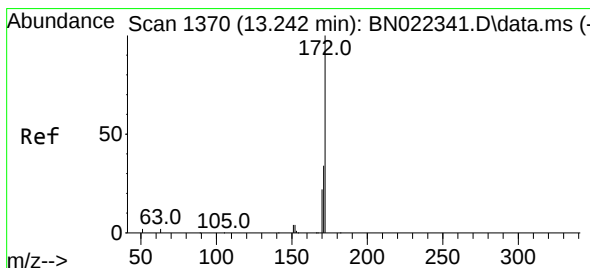
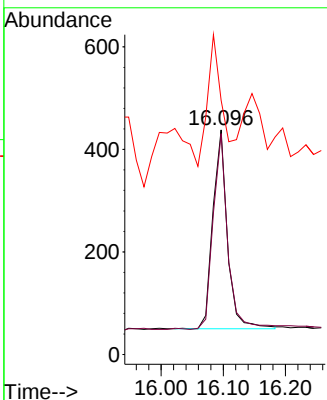
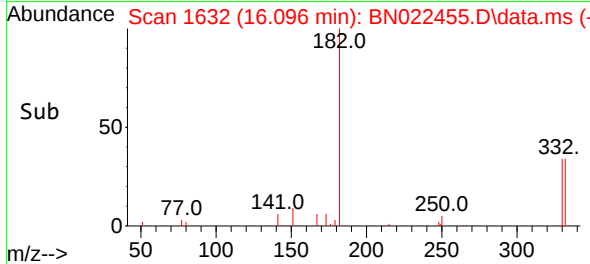
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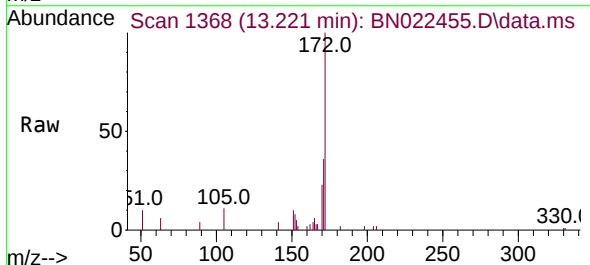
Tgt Ion: 330 Resp: 634
Ion Ratio Lower Upper
330 100
332 99.1 78.6 118.0
141 62.3 40.2 60.4

Manual Integrations
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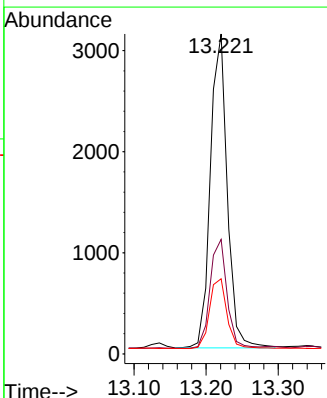
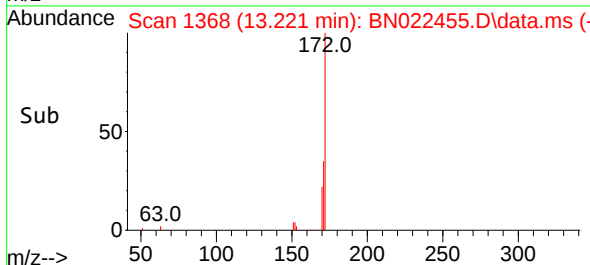
Reviewed By : Christian Giraldo 11/02/2022
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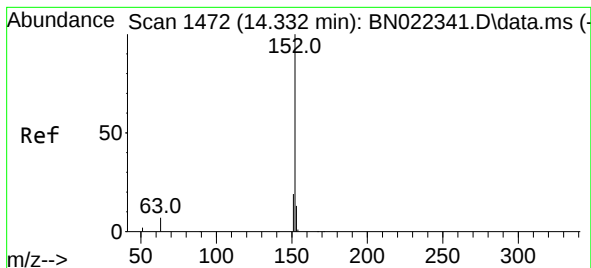


#15
2-Fluorobiphenyl
Concen: 0.217 ng
RT: 13.221 min Scan# 1368
Delta R.T. 0.000 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09



Tgt Ion: 172 Resp: 5066
Ion Ratio Lower Upper
172 100
171 35.8 27.4 41.0
170 23.5 18.5 27.7





#16

Acenaphthylene

Concen: 0.985 ng

RT: 14.311 min Scan# 1472

Delta R.T. 0.000 min

Lab File: BN022455.D

Acq: 02 Nov 2022 05:09

Instrument :

BNA_N

ClientSampleId :

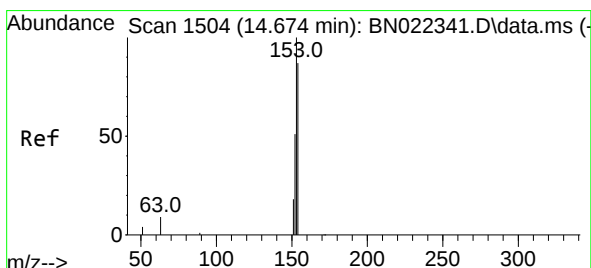
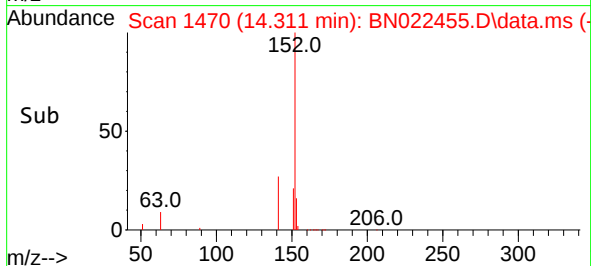
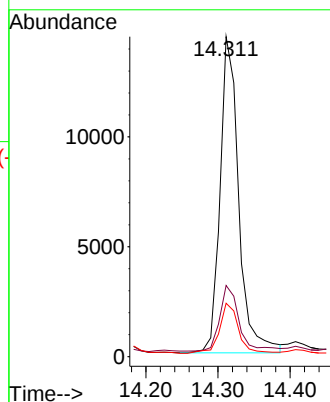
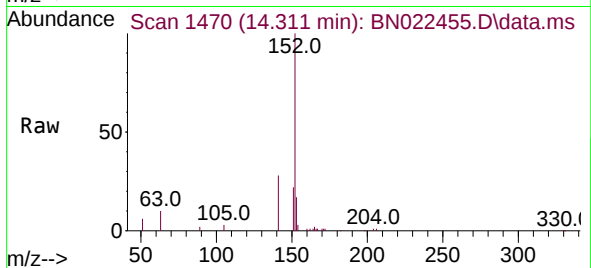
LSP-SS-02-03-05

Tgt Ion:	152	Resp:	26004
Ion Ratio	Lower	Upper	
152	100		
151	21.4	15.2	22.8
153	15.9	10.3	15.5

Manual Integrations

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#17

Acenaphthene

Concen: 0.523 ng

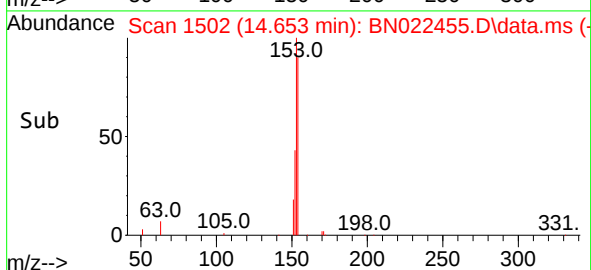
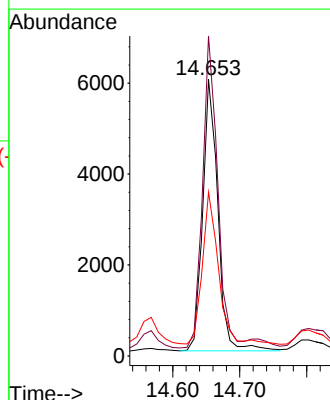
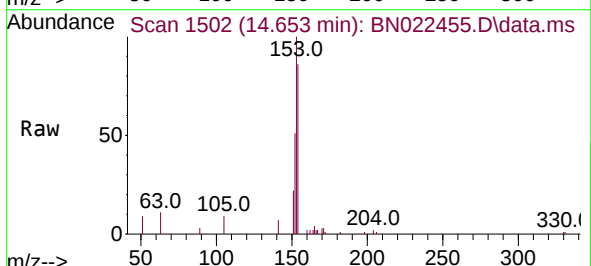
RT: 14.653 min Scan# 1502

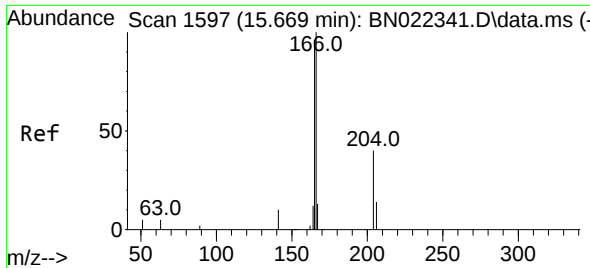
Delta R.T. 0.000 min

Lab File: BN022455.D

Acq: 02 Nov 2022 05:09

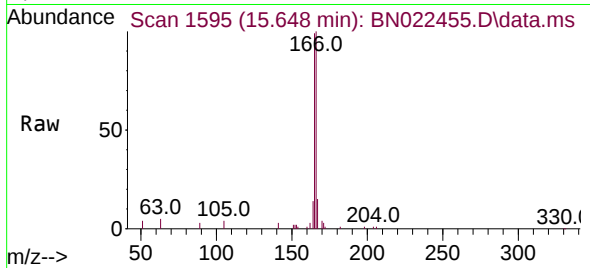
Tgt Ion:	154	Resp:	9413
Ion Ratio	Lower	Upper	
154	100		
153	114.2	92.2	138.2
152	59.6	47.6	71.4





#18
Fluorene
Concen: 0.789 ng
RT: 15.648 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

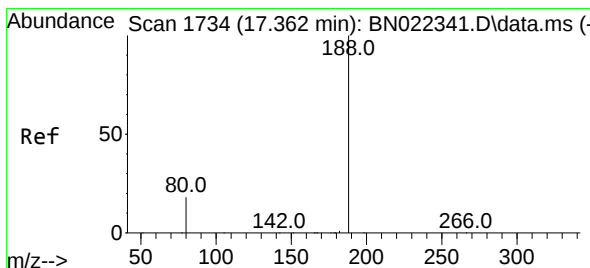
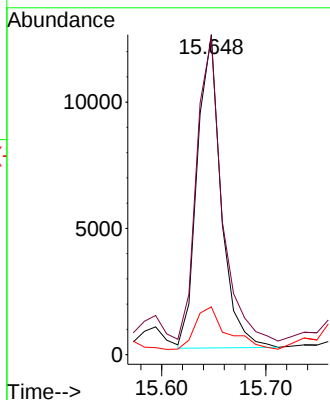
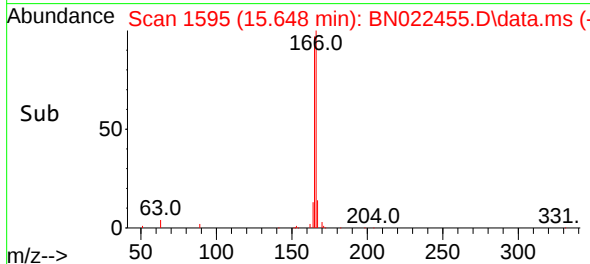
Instrument :
BNA_N
ClientSampleId :
LSP-SS-02-03-05



Tgt Ion:166 Resp: 19772
Ion Ratio Lower Upper
166 100
165 102.8 78.6 118.0
167 18.0 10.2 15.4

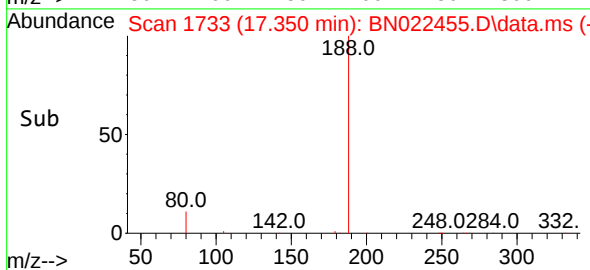
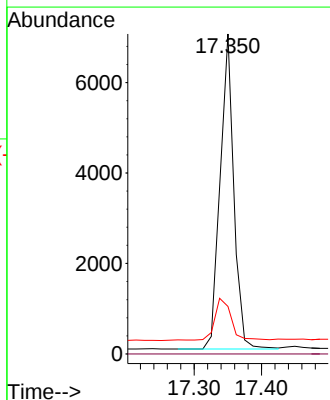
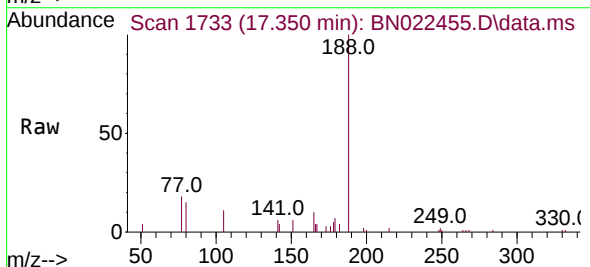
Manual Integrations
APPROVED

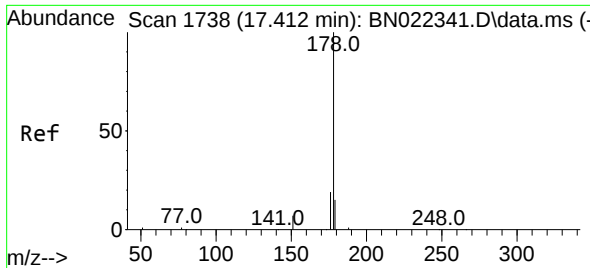
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.350 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

Tgt Ion:188 Resp: 9907
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.8 15.0 22.6





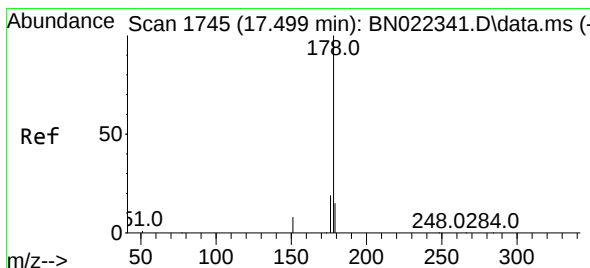
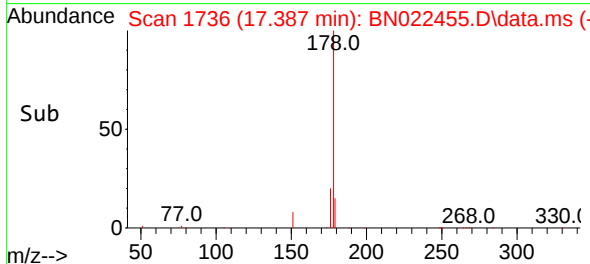
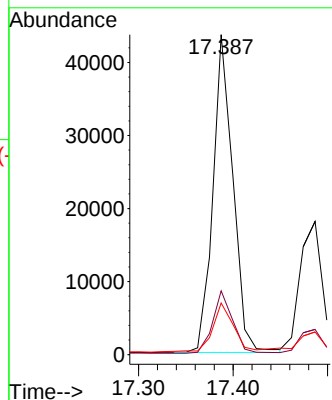
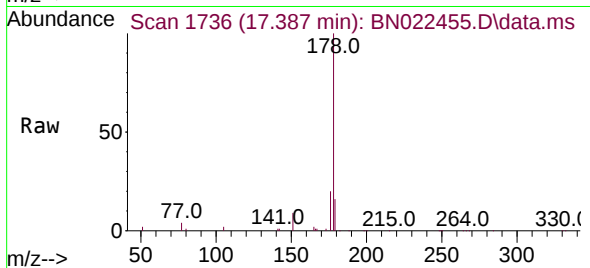
#25
Phenanthrene
Concen: 1.883 ng m
RT: 17.387 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

Instrument :
BNA_N
ClientSampleId :
LSP-SS-02-03-05

Tgt Ion:178 Resp: 63976
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 16.2 12.5 18.7

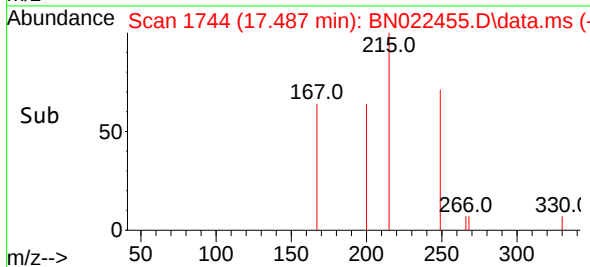
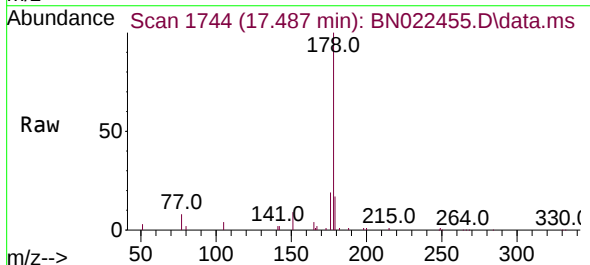
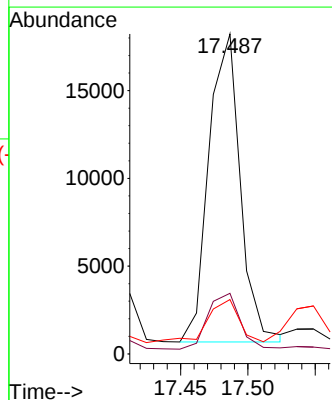
Manual Integrations
APPROVED

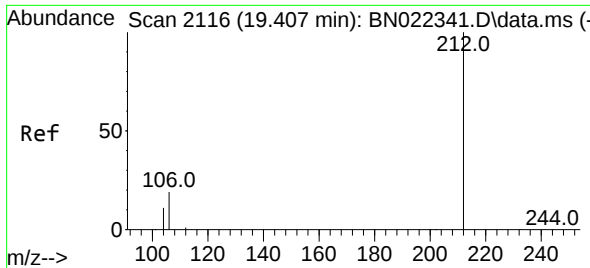
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#26
Anthracene
Concen: 0.998 ng
RT: 17.487 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

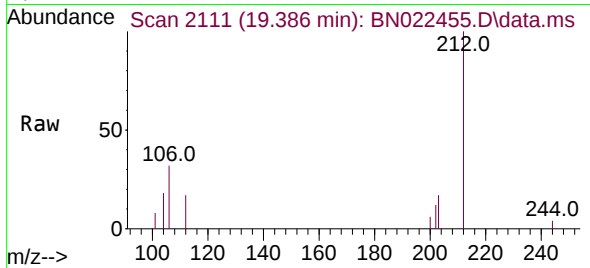
Tgt Ion:178 Resp: 28557
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 14.1 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.166 ng
RT: 19.386 min Scan# 2111
Delta R.T. -0.004 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

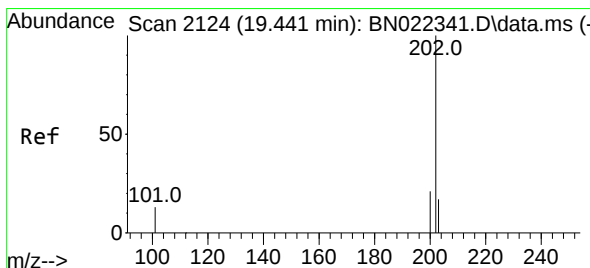
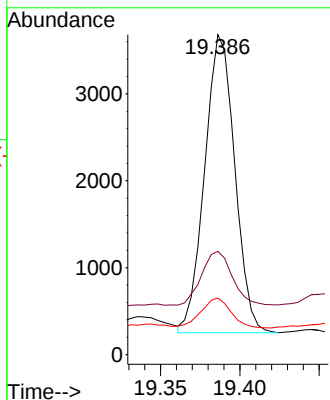
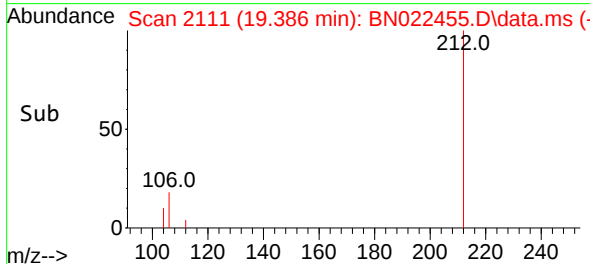
Instrument :
BNA_N
ClientSampleId :
LSP-SS-02-03-05



Tgt Ion:212 Resp: 4534
Ion Ratio Lower Upper
212 100
106 18.4 15.0 22.4
104 10.3 9.3 13.9

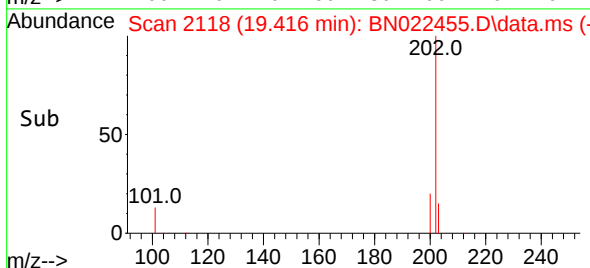
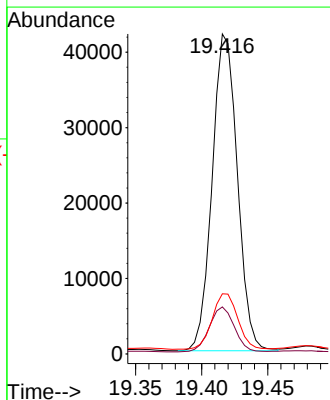
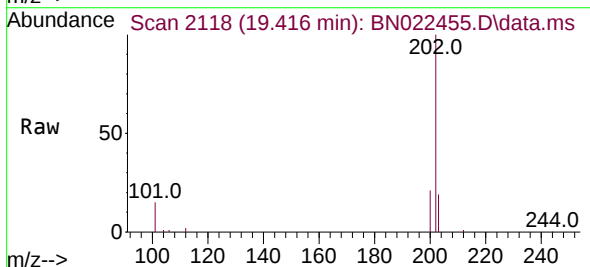
Manual Integrations
APPROVED

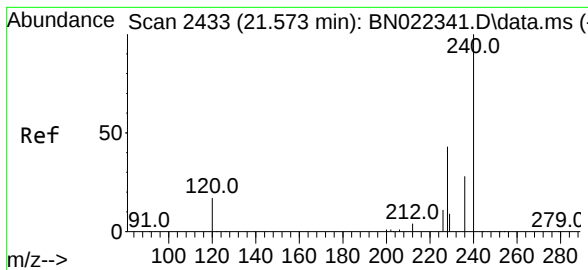
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#28
Fluoranthene
Concen: 1.515 ng
RT: 19.416 min Scan# 2118
Delta R.T. -0.004 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

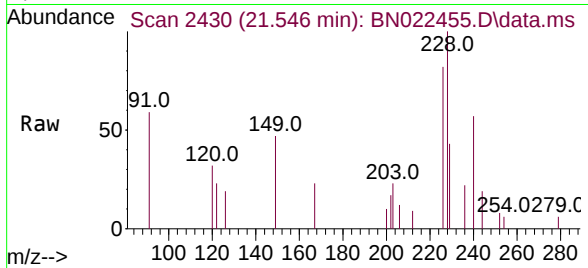
Tgt Ion:202 Resp: 55814
Ion Ratio Lower Upper
202 100
101 14.1 11.4 17.0
203 17.7 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.546 min Scan# 2433
Delta R.T. -0.009 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

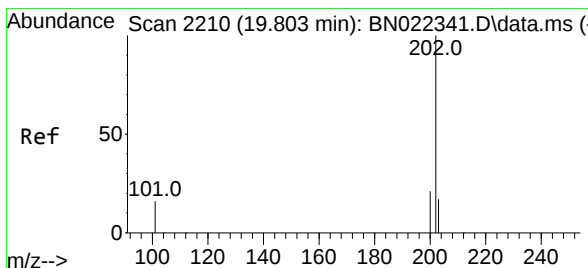
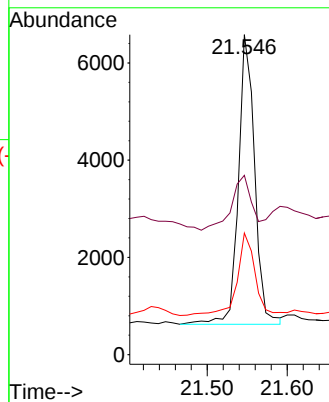
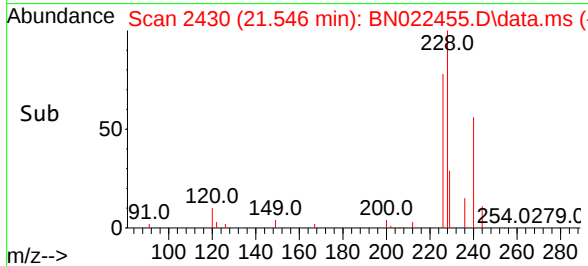
Instrument :
BNA_N
ClientSampleId :
LSP-SS-02-03-05



Tgt Ion:240 Resp: 8440
Ion Ratio Lower Upper
240 100
120 56.1 15.8 23.6
236 38.0 23.2 34.8

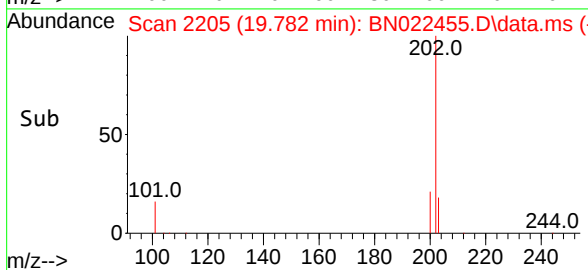
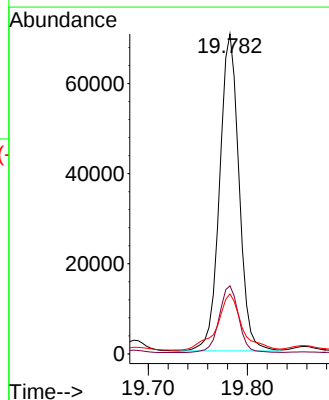
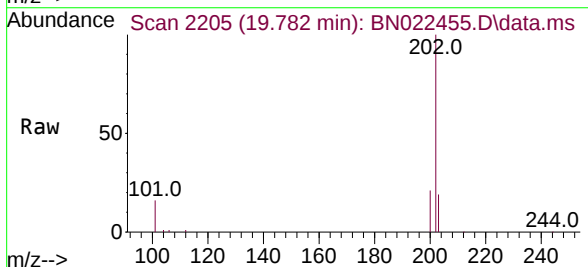
Manual Integrations
APPROVED

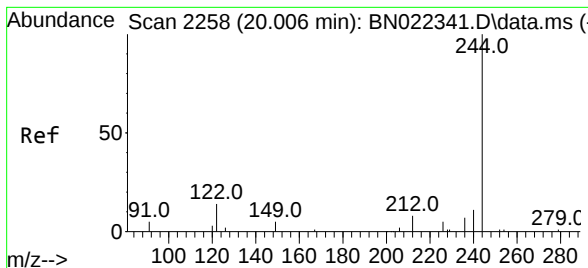
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#30
Pyrene
Concen: 2.468 ng
RT: 19.782 min Scan# 2205
Delta R.T. -0.004 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

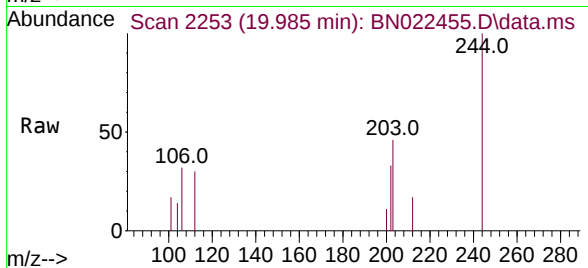
Tgt Ion:202 Resp: 95855
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 22.4 14.2 21.2





#31
 Terphenyl-d14
 Concen: 0.224 ng
 RT: 19.985 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN022455.D
 Acq: 02 Nov 2022 05:09

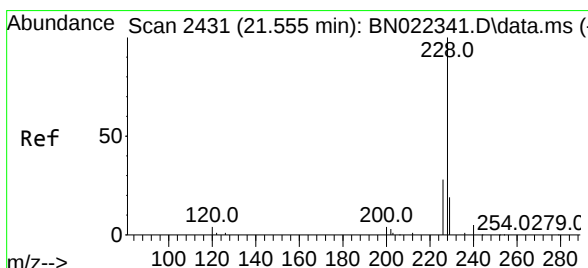
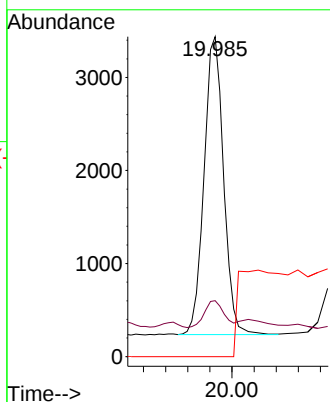
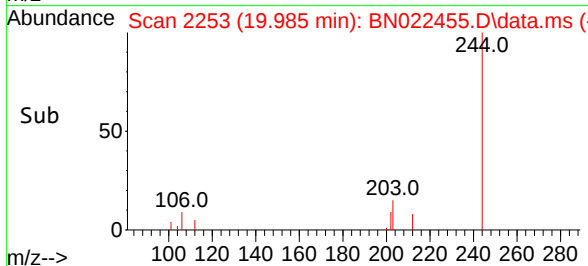
Instrument :
 BNA_N
 ClientSampleId :
 LSP-SS-02-03-05



Tgt Ion:244 Resp: 4928
 Ion Ratio Lower Upper
 244 100
 212 17.5 7.0 10.4
 122 0.0 11.5 17.3

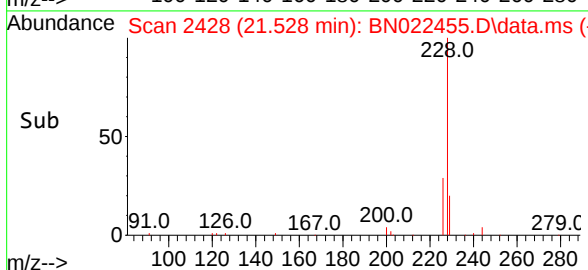
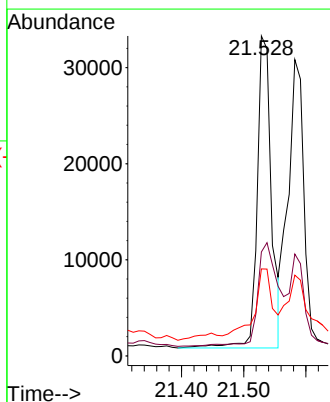
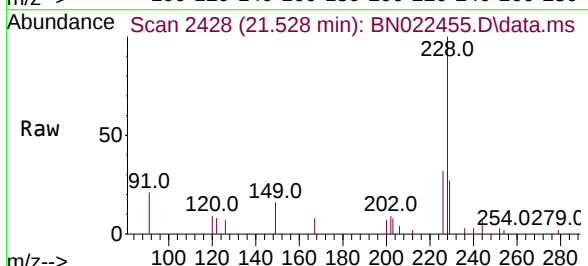
Manual Integrations
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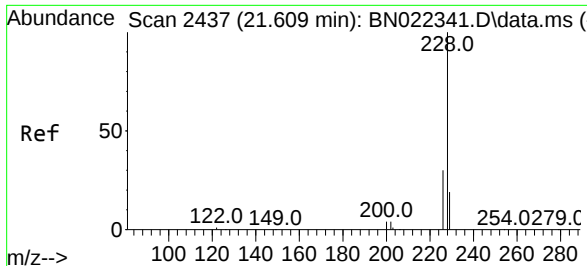
Reviewed By :Christian Giraldo 11/02/2022
 Supervised By :mohammad ahmed 11/04/2022



#32
 Benzo(a)anthracene
 Concen: 1.556 ng
 RT: 21.528 min Scan# 2428
 Delta R.T. -0.009 min
 Lab File: BN022455.D
 Acq: 02 Nov 2022 05:09

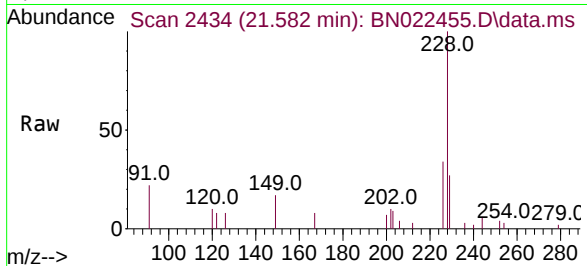
Tgt Ion:228 Resp: 51686
 Ion Ratio Lower Upper
 228 100
 226 32.5 22.6 34.0
 229 27.2 15.5 23.3





#33
Chrysene
Concen: 1.499 ng
RT: 21.582 min Scan# 2419
Delta R.T. -0.009 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

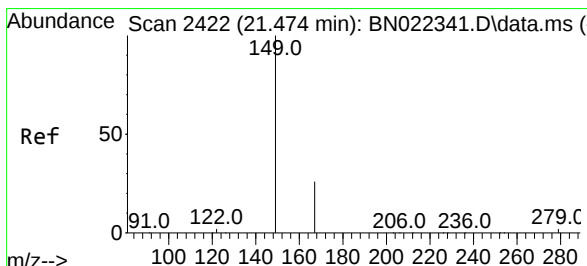
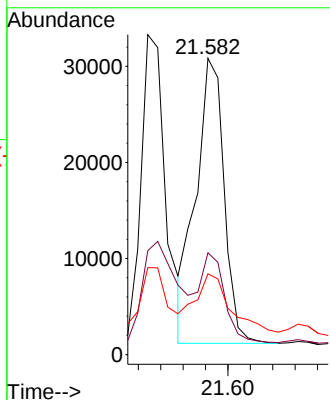
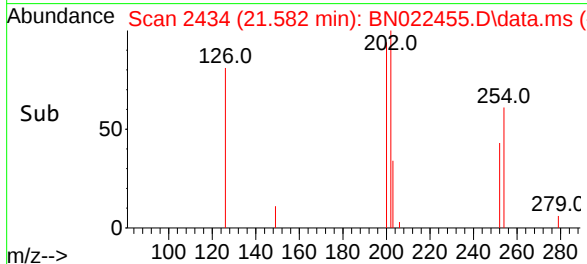
Instrument :
BNA_N
ClientSampleId :
LSP-SS-02-03-05



Tgt Ion: 228 Resp: 52062
Ion Ratio Lower Upper
228 100
226 34.4 24.5 36.7
229 27.2 15.6 23.4

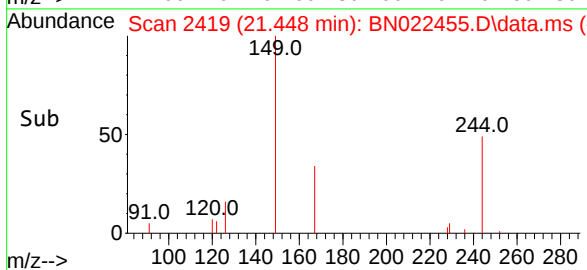
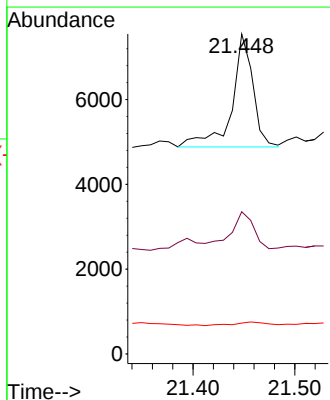
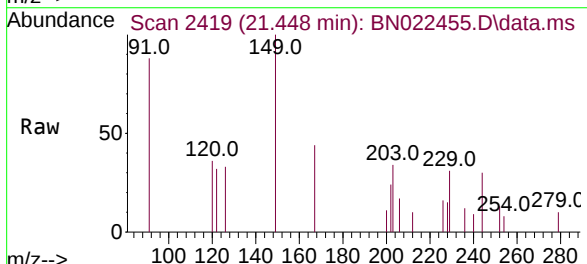
Manual Integrations
APPROVED

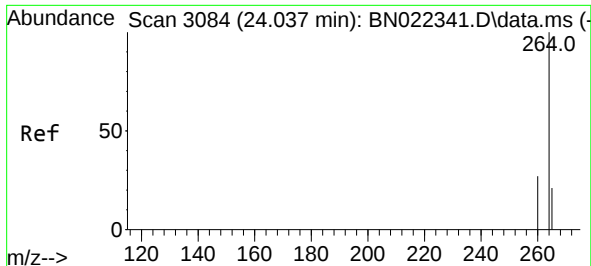
Reviewed By : Christian Giraldo 11/02/2022
Supervised By : mohammad ahmed 11/04/2022



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.122 ng
RT: 21.448 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

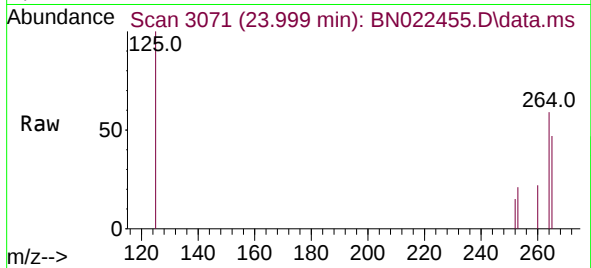
Tgt Ion: 149 Resp: 3815
Ion Ratio Lower Upper
149 100
167 35.0 20.2 30.4#
279 5.2 2.3 3.5#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.999 min Scan# 3084
Delta R.T. -0.003 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

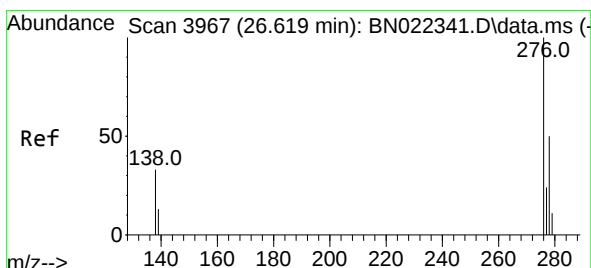
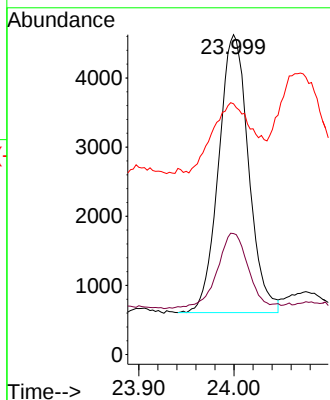
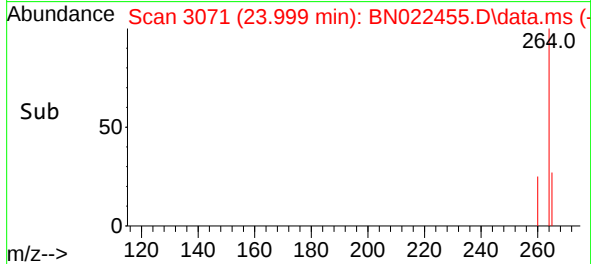
Instrument :
BNA_N
ClientSampleId :
LSP-SS-02-03-05



Tgt Ion:264 Resp: 8773
Ion Ratio Lower Upper
264 100
260 37.8 22.1 33.1
265 78.4 53.0 79.4

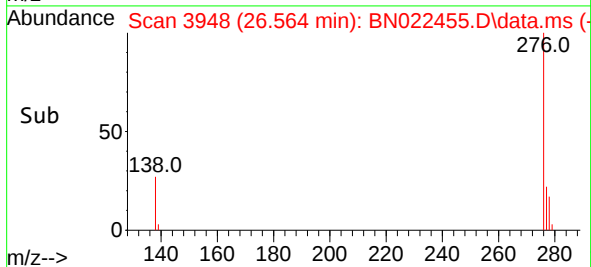
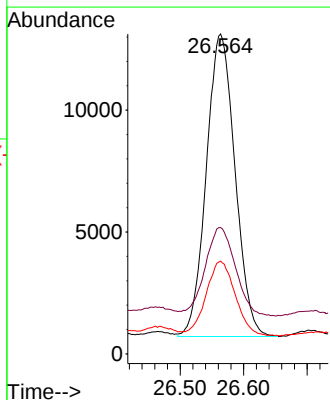
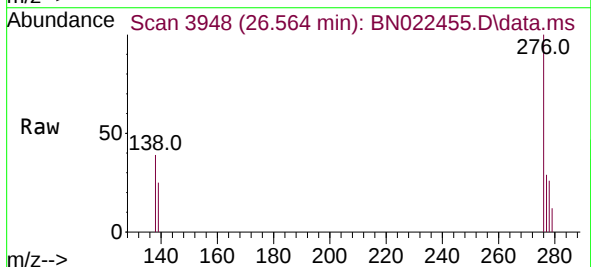
Manual Integrations
APPROVED

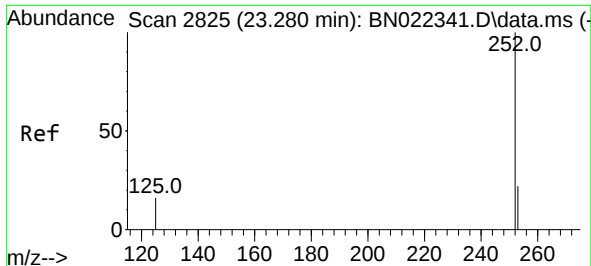
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.902 ng
RT: 26.564 min Scan# 3948
Delta R.T. -0.003 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

Tgt Ion:276 Resp: 39074
Ion Ratio Lower Upper
276 100
138 31.0 28.2 42.2
277 24.6 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 1.656 ng

RT: 23.248 min Scan# 2814

Delta R.T. 0.000 min

Lab File: BN022455.D

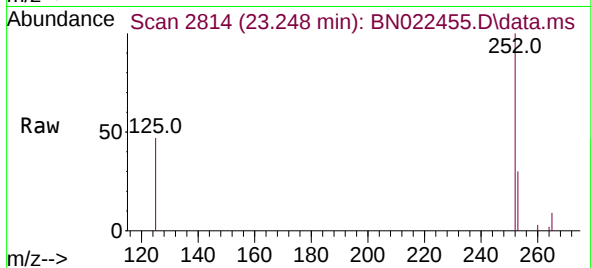
Acq: 02 Nov 2022 05:09

Instrument :

BN022455.D

ClientSampleId :

LSP-SS-02-03-05

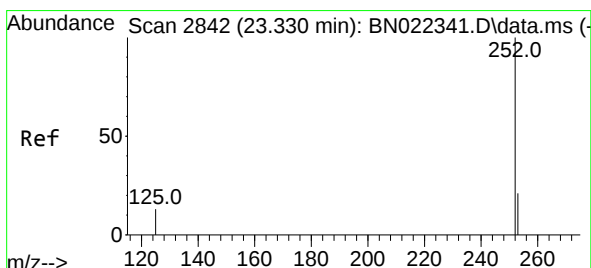
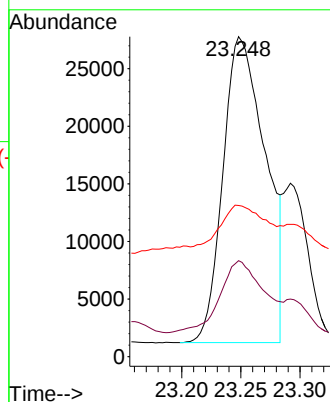
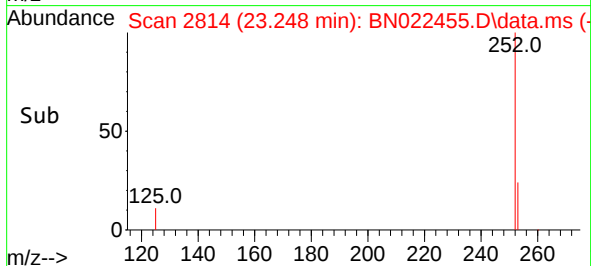


Tgt Ion:252	Resp:	6651
Ion Ratio	Lower	Upper
252	100	
253	30.0	20.4 30.6
125	47.2	16.6 25.0

Manual Integrations

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



#38

Benzo(k)fluoranthene

Concen: 0.511 ng m

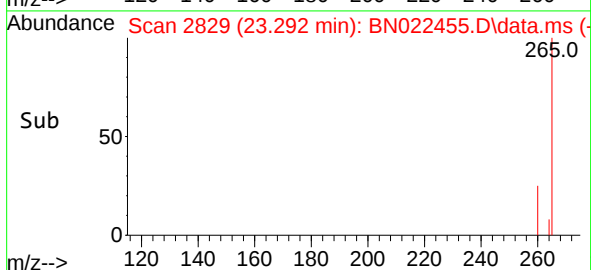
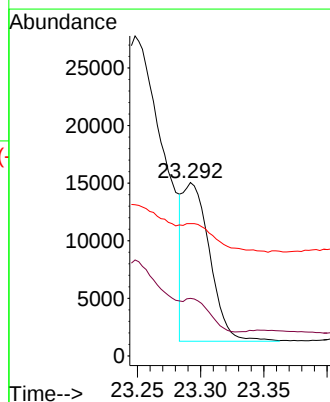
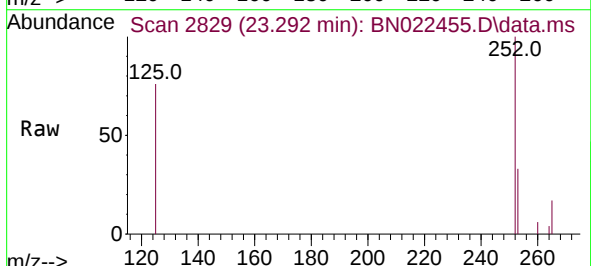
RT: 23.292 min Scan# 2829

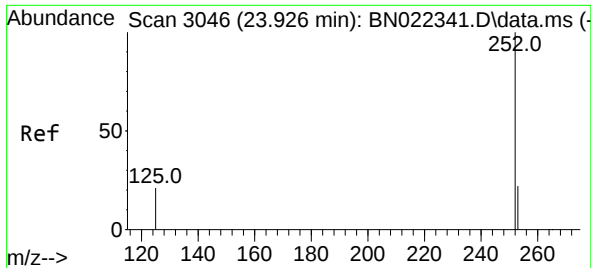
Delta R.T. -0.006 min

Lab File: BN022455.D

Acq: 02 Nov 2022 05:09

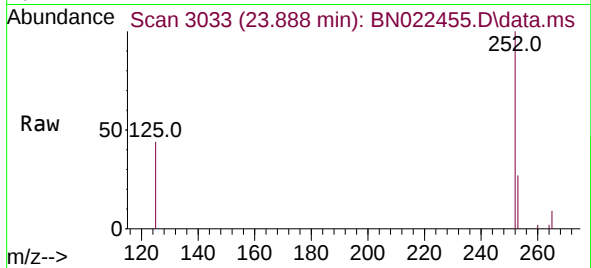
Tgt Ion:252	Resp:	20429
Ion Ratio	Lower	Upper
252	100	
253	33.2	19.8 29.8#
125	76.2	15.0 22.6#





#39
Benzo(a)pyrene
Concen: 1.786 ng
RT: 23.888 min Scan# 3046
Delta R.T. -0.003 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

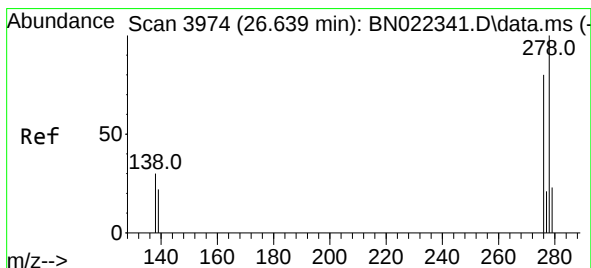
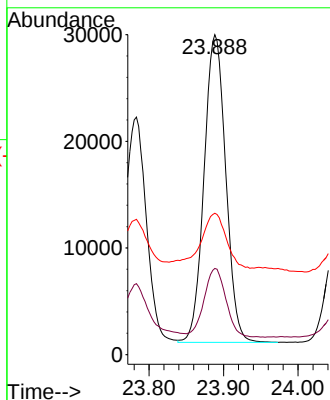
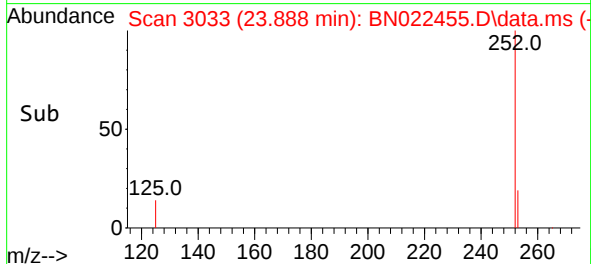
Instrument :
BNA_N
ClientSampleId :
LSP-SS-02-03-05



Tgt Ion:252 Resp: 58364
Ion Ratio Lower Upper
252 100
253 26.9 21.9 32.9
125 44.2 22.9 34.3

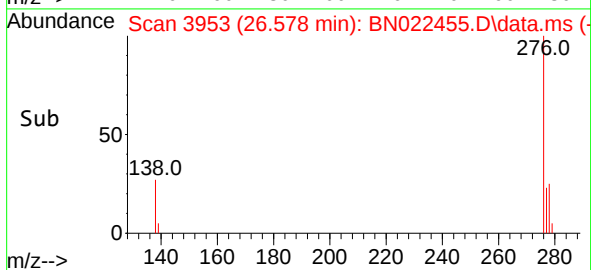
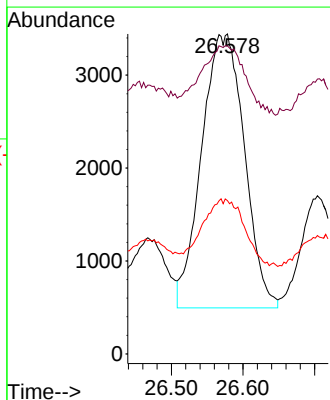
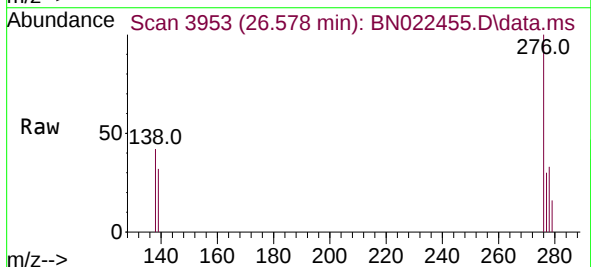
Manual Integrations
APPROVED

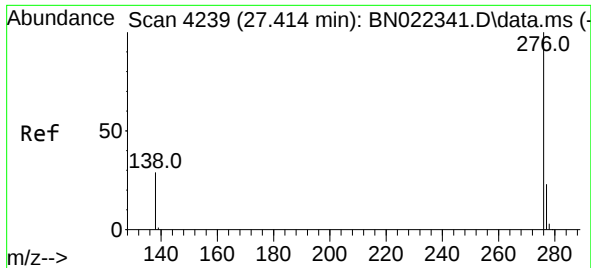
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :mohammad ahmed 11/04/2022



#40
Dibenzo(a,h)anthracene
Concen: 0.361 ng m
RT: 26.578 min Scan# 3953
Delta R.T. -0.009 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

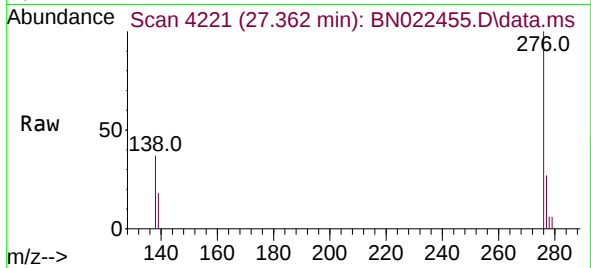
Tgt Ion:278 Resp: 12229
Ion Ratio Lower Upper
278 100
139 96.2 20.2 30.2#
279 47.9 21.0 31.4#





#41
Benzo(g,h,i)perylene
Concen: 1.314 ng
RT: 27.362 min Scan# 41
Delta R.T. 0.003 min
Lab File: BN022455.D
Acq: 02 Nov 2022 05:09

Instrument :
BNA_N
ClientSampleId :
LSP-SS-02-03-05



Tgt Ion:276 Resp: 46915
Ion Ratio Lower Upper
276 100
277 27.5 19.5 29.3
138 37.1 25.0 37.4

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