

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028943.D
 Acq On : 01 Dec 2023 12:29
 Operator : MA/JU
 Sample : 05350-05
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT149S1-20231107

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

Quant Time: Dec 01 14:25:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:28:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	4024	0.400	ng	0.00
7) Naphthalene-d8	10.594	136	10227	0.400	ng	# 0.00
13) Acenaphthene-d10	14.428	164	4359	0.400	ng	0.00
19) Phenanthrene-d10	17.171	188	7450	0.400	ng	#-0.01
29) Chrysene-d12	21.374	240	4689	0.400	ng	# 0.00
35) Perylene-d12	23.710	264	4698	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	1753	0.144	ng	-0.02
5) Phenol-d6	7.024	99	1103	0.082	ng	-0.02
8) Nitrobenzene-d5	8.971	82	2926	0.288	ng	-0.01
11) 2-Methylnaphthalene-d10	12.178	152	4697	0.286	ng	0.00
14) 2,4,6-Tribromophenol	15.930	330	668	0.227	ng	0.00
15) 2-Fluorobiphenyl	13.060	172	6836	0.363	ng	-0.01
27) Fluoranthene-d10	19.213	212	7302	0.373	ng	0.00
31) Terphenyl-d14	19.817	244	5649	0.414	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.355	88	929	0.236	ng	# 74
16) Acenaphthylene	14.150	152	9145	0.396	ng	98
17) Acenaphthene	14.492	154	1186	0.077	ng	92
18) Fluorene	15.487	166	1323	0.068	ng	# 12
25) Phenanthrene	17.221	178	615	0.025	ng	# 72
26) Anthracene	17.308	178	455	0.020	ng	# 79
28) Fluoranthene	19.246	202	783	0.031	ng	97
30) Pyrene	19.608	202	1305m	0.131	ng	
32) Benzo(a)anthracene	21.356	228	1074	0.054	ng	# 1
33) Chrysene	21.409	228	894	0.046	ng	# 10

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

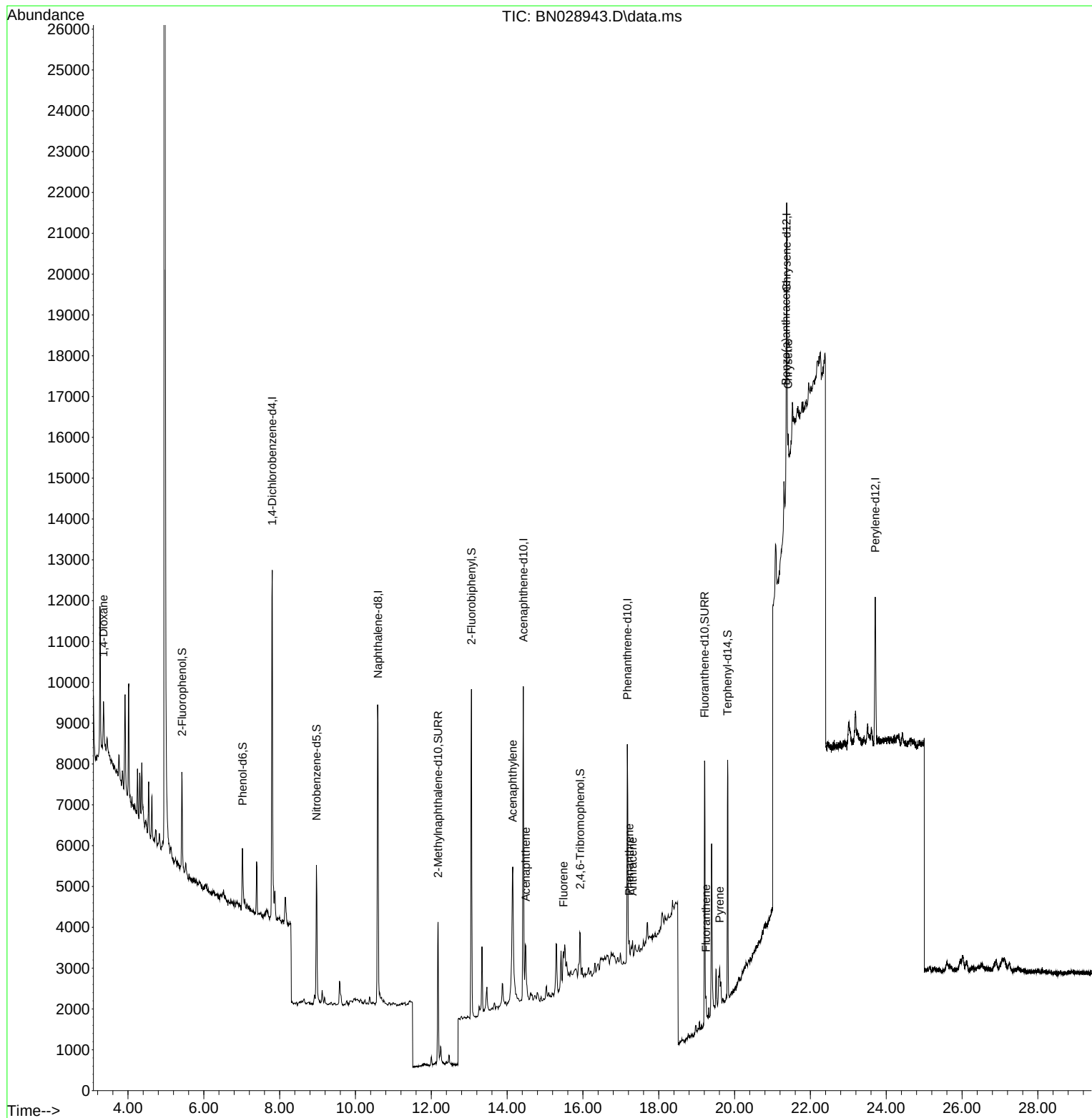
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
Data File : BN028943.D
Acq On : 01 Dec 2023 12:29
Operator : MA/JU
Sample : 05350-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

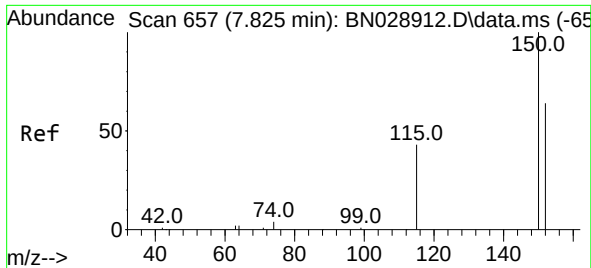
Instrument :
BNA_N
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TT149S1-20231107

Quant Time: Dec 01 14:25:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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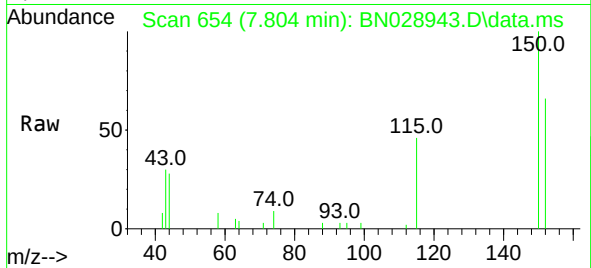
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.804 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN028943.D
 Acq: 01 Dec 2023 12:29

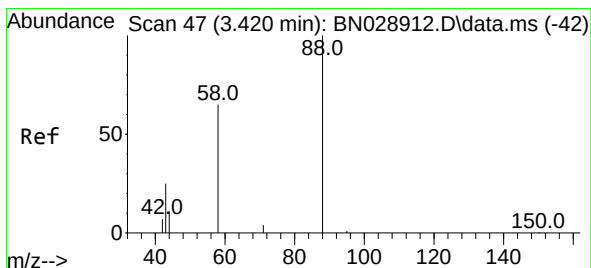
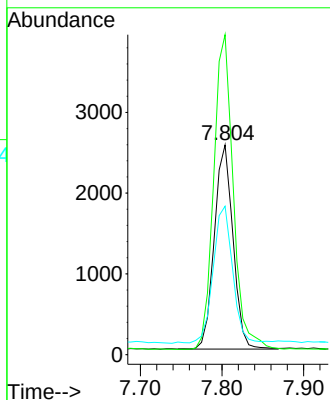
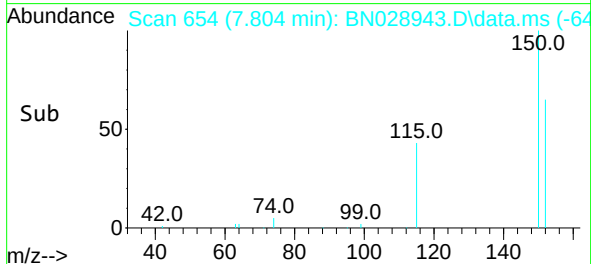
Instrument :
 BNA_N
 ClientSampleId :
 TT149S1-20231107



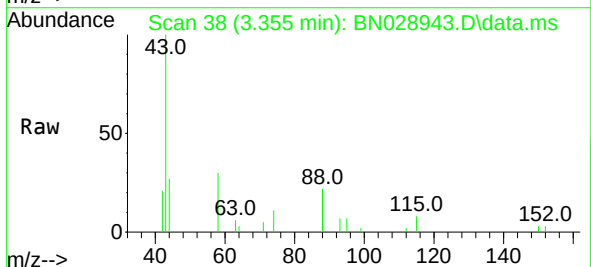
Tgt Ion: 152 Resp: 4024
 Ion Ratio Lower Upper
 152 100
 150 152.6 123.4 185.2
 115 70.8 59.1 88.7

Manual Integrations
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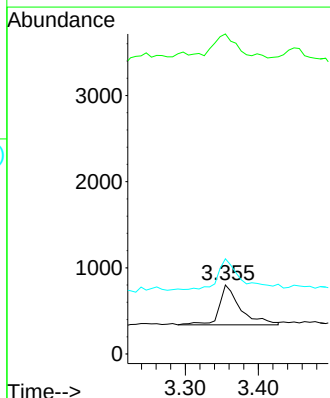
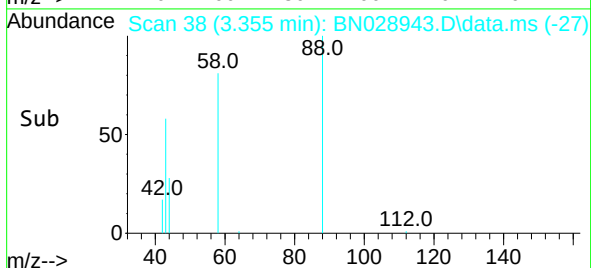
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

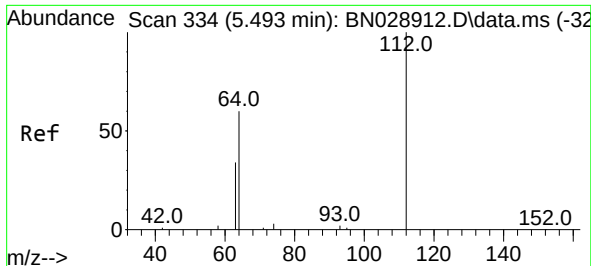


#2
 1,4-Dioxane
 Concen: 0.236 ng
 RT: 3.355 min Scan# 38
 Delta R.T. -0.022 min
 Lab File: BN028943.D
 Acq: 01 Dec 2023 12:29



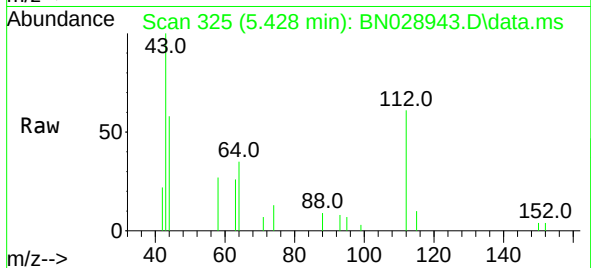
Tgt Ion: 88 Resp: 929
 Ion Ratio Lower Upper
 88 100
 43 68.2 29.9 44.9#
 58 79.1 55.0 82.4





#4
2-Fluorophenol
Concen: 0.144 ng
RT: 5.428 min Scan# 31
Delta R.T. -0.022 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

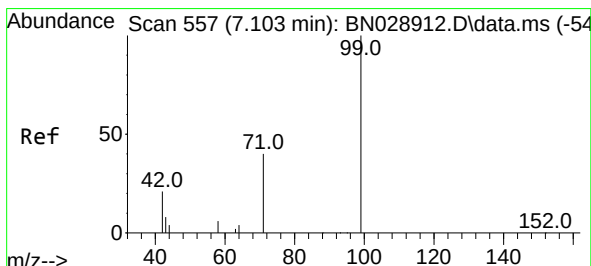
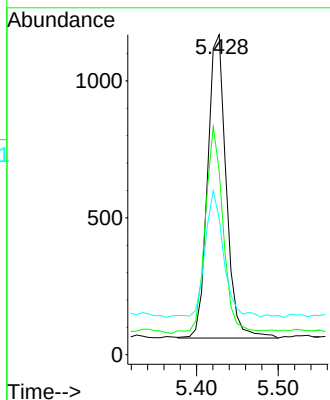
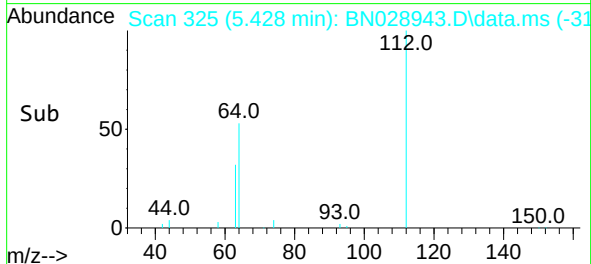
Instrument :
BNA_N
ClientSampleId :
TT149S1-20231107



Tgt Ion:112 Resp: 175
Ion Ratio Lower Upper
112 100
64 66.3 51.5 77.3
63 41.5 30.4 45.6

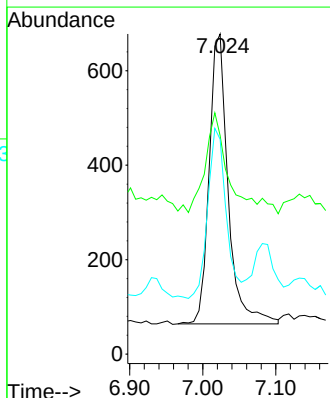
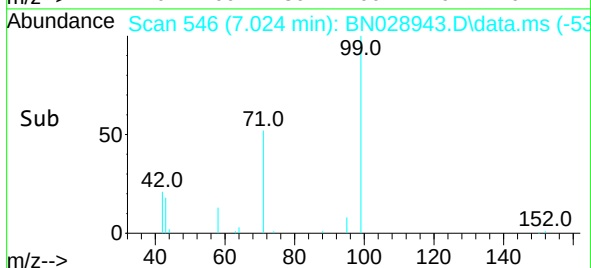
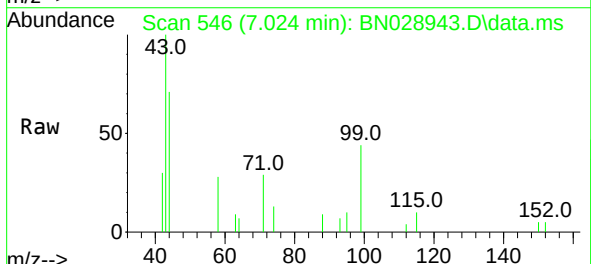
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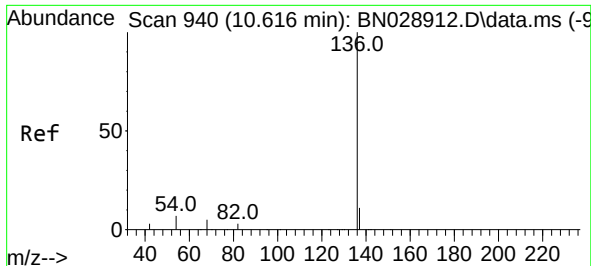
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#5
Phenol-d6
Concen: 0.082 ng
RT: 7.024 min Scan# 546
Delta R.T. -0.022 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

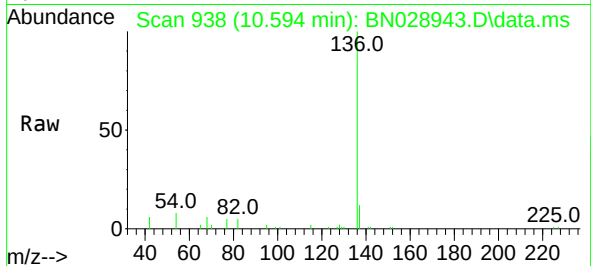
Tgt Ion: 99 Resp: 1103
Ion Ratio Lower Upper
99 100
42 43.3 21.2 31.8#
71 57.0 35.4 53.0#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

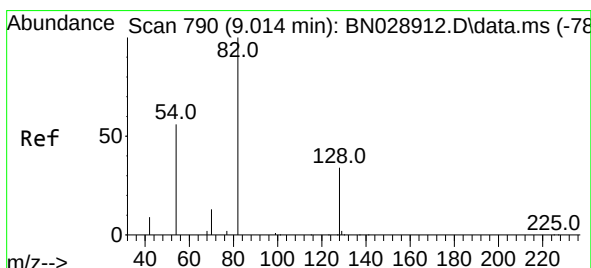
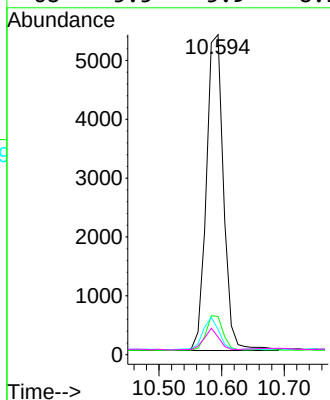
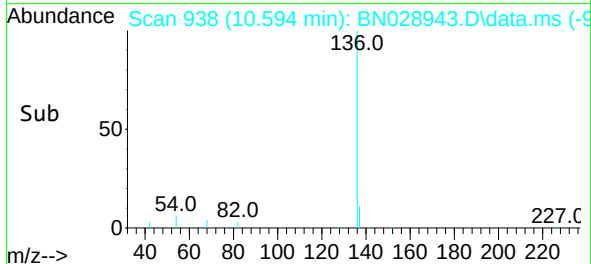
Instrument :
BNA_N
ClientSampleId :
TT149S1-20231107



Tgt Ion:136 Resp: 1022
Ion Ratio Lower Upper
136 100
137 12.0 10.6 16.0
54 7.9 7.5 11.3
68 5.5 5.9 8.9#

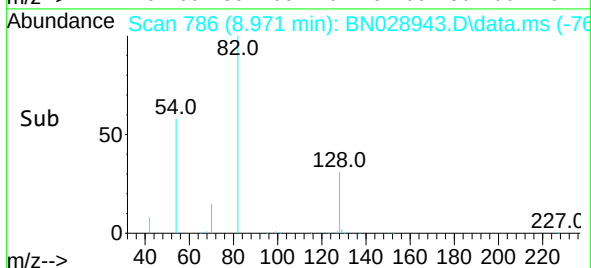
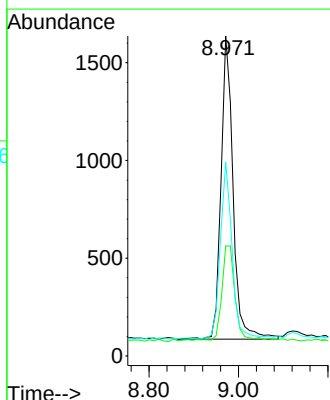
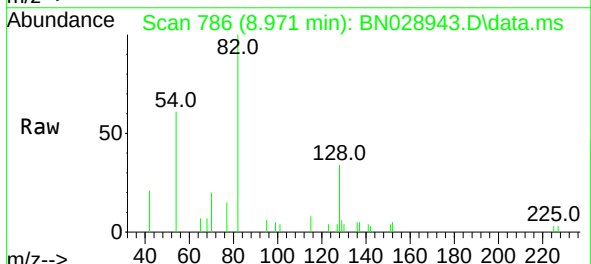
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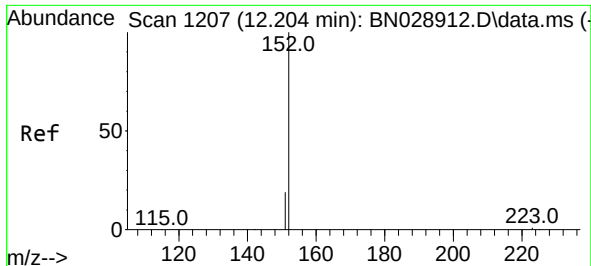
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#8
Nitrobenzene-d5
Concen: 0.288 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.011 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

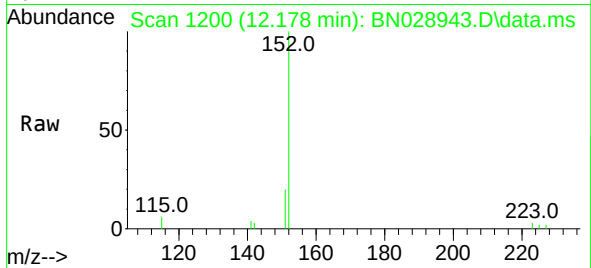
Tgt Ion: 82 Resp: 2926
Ion Ratio Lower Upper
82 100
128 34.4 29.2 43.8
54 60.5 47.0 70.6





#11
2-Methylnaphthalene-d10
Concen: 0.286 ng
RT: 12.178 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

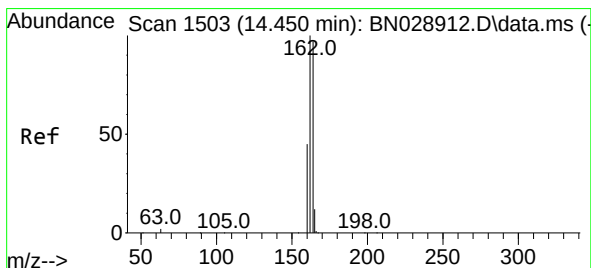
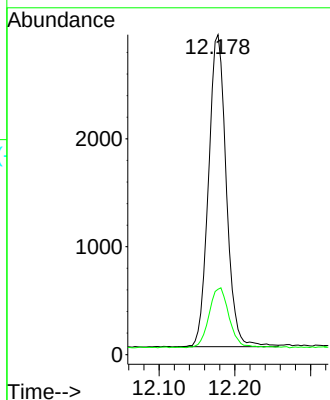
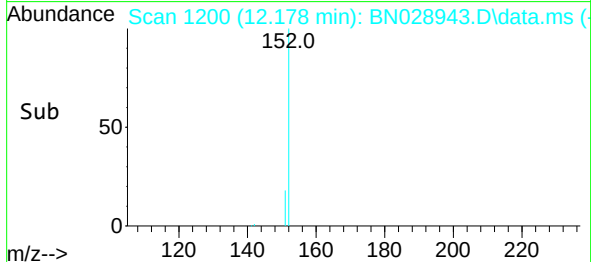
Instrument :
BNA_N
ClientSampleId :
TT149S1-20231107



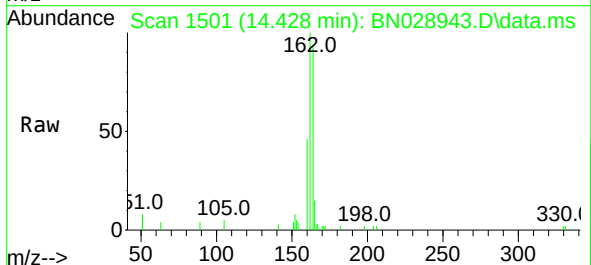
Tgt Ion:152 Resp: 469
Ion Ratio Lower Upper
152 100
151 21.7 16.7 25.1

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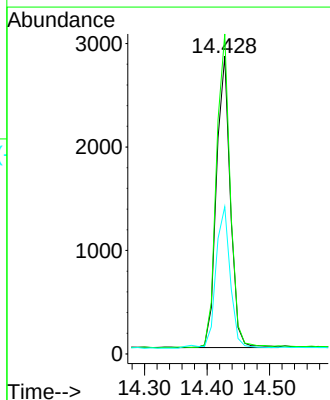
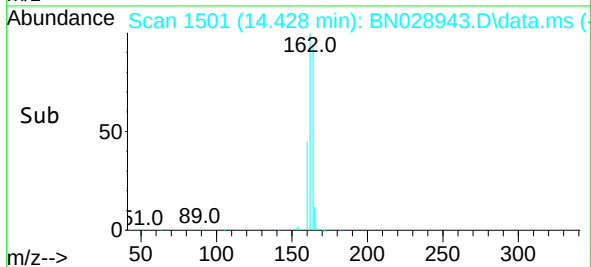
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

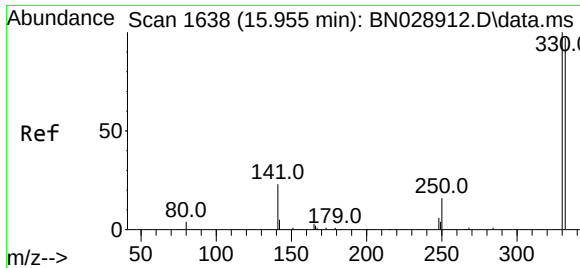


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.428 min Scan# 1501
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29



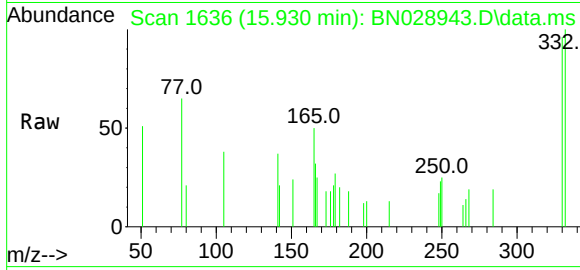
Tgt Ion:164 Resp: 4359
Ion Ratio Lower Upper
164 100
162 107.5 81.7 122.5
160 49.4 37.0 55.6





#14
2,4,6-Tribromophenol
Concen: 0.227 ng
RT: 15.930 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

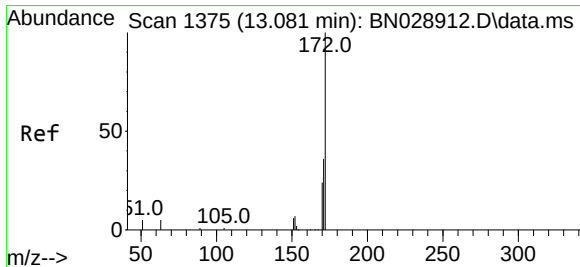
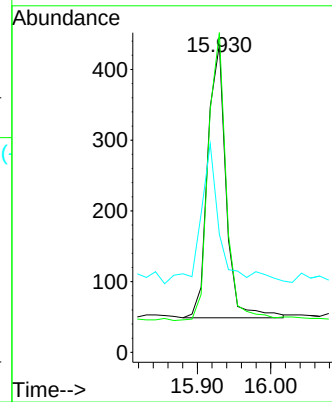
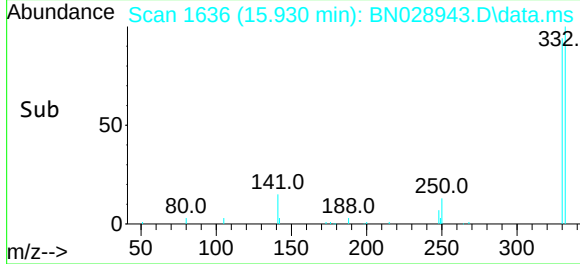
Instrument :
BNA_N
ClientSampleId :
TT149S1-20231107



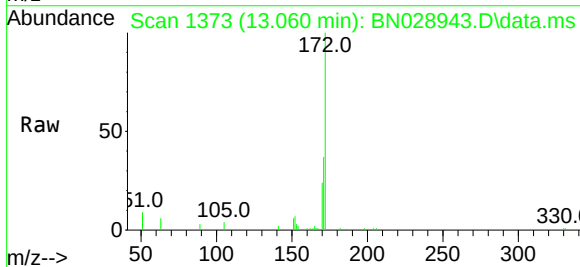
Tgt Ion:330 Resp: 668
Ion Ratio Lower Upper
330 100
332 103.3 75.4 113.2
141 50.1 35.7 53.5

Manual Integrations
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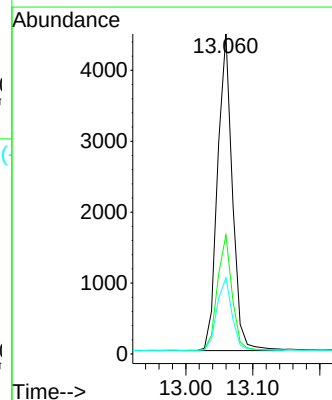
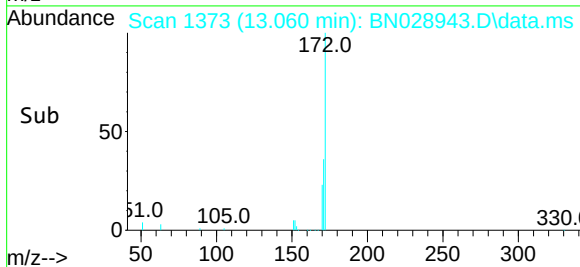
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

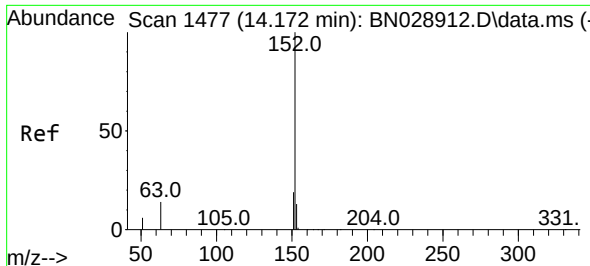


#15
2-Fluorobiphenyl
Concen: 0.363 ng
RT: 13.060 min Scan# 1373
Delta R.T. -0.011 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29



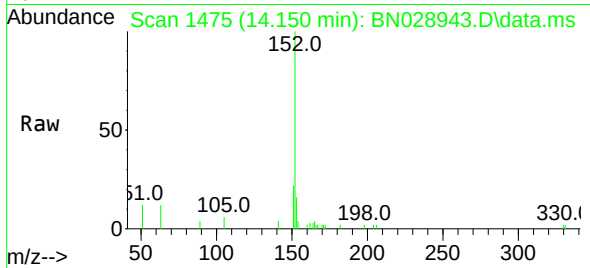
Tgt Ion:172 Resp: 6836
Ion Ratio Lower Upper
172 100
171 37.2 29.0 43.4
170 23.8 19.7 29.5





#16
Acenaphthylene
Concen: 0.396 ng
RT: 14.150 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

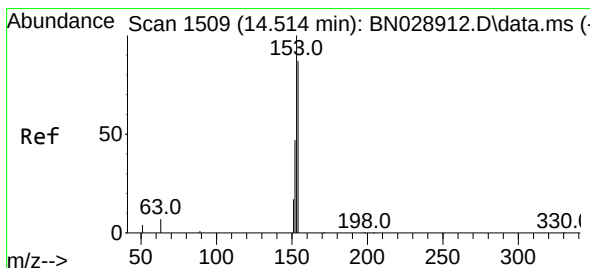
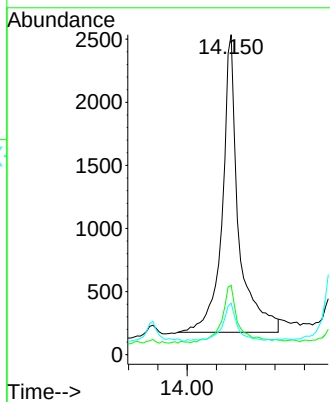
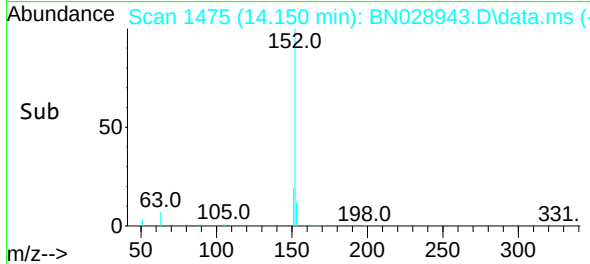
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BNA_N
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TT149S1-20231107



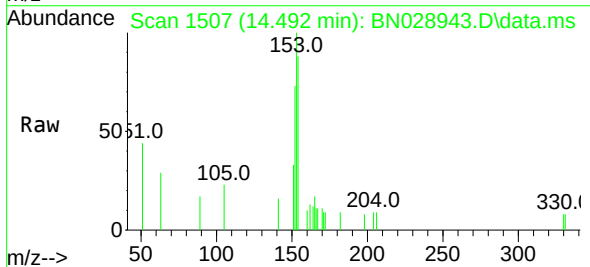
Tgt Ion:152 Resp: 914
Ion Ratio Lower Upper
152 100
151 19.5 15.9 23.9
153 12.4 10.8 16.2

Manual Integrations
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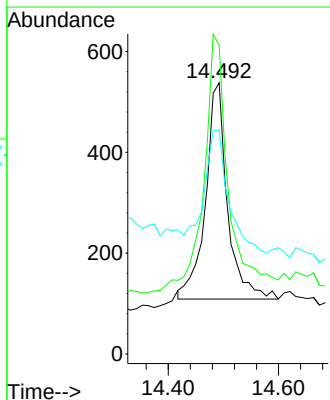
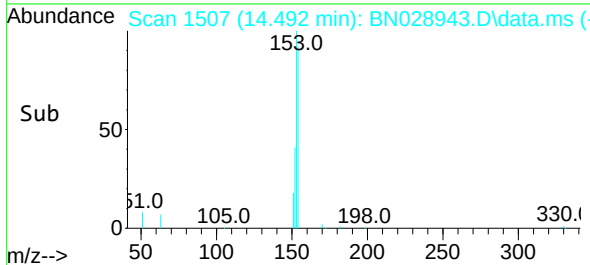
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

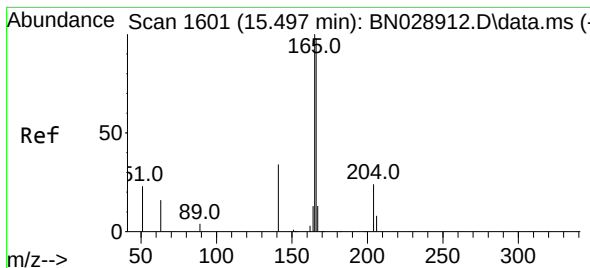


#17
Acenaphthene
Concen: 0.077 ng
RT: 14.492 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29



Tgt Ion:154 Resp: 1186
Ion Ratio Lower Upper
154 100
153 110.3 93.8 140.6
152 64.8 44.5 66.7





#18

Fluorene

Concen: 0.068 ng

RT: 15.487 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN028943.D

Acq: 01 Dec 2023 12:29

Instrument :

BNA_N

ClientSampleId :

TT149S1-20231107

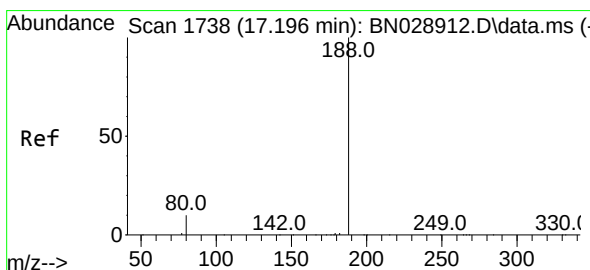
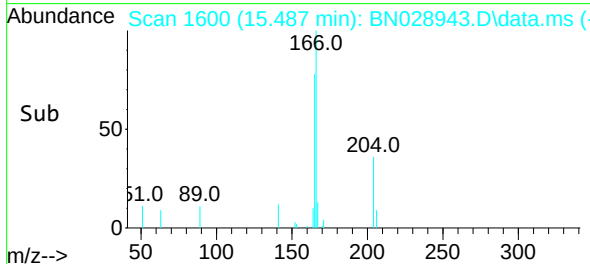
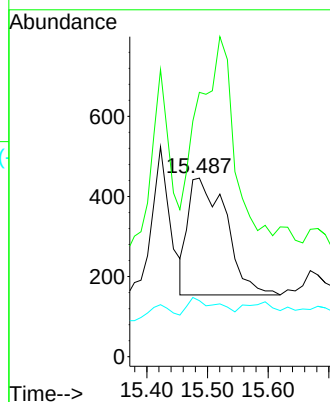
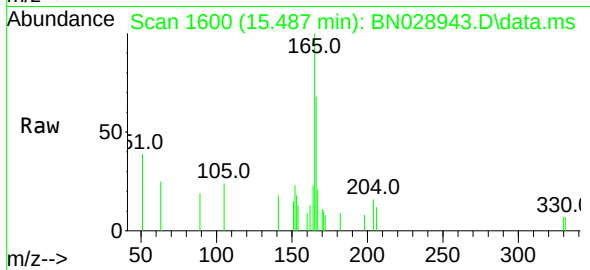
Tgt Ion:	166	Resp:	132
Ion Ratio	Lower	Upper	
166	100		
165	0.0	79.4	119.2
167	11.8	11.0	16.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#19

Phenanthrene-d10

Concen: 0.400 ng

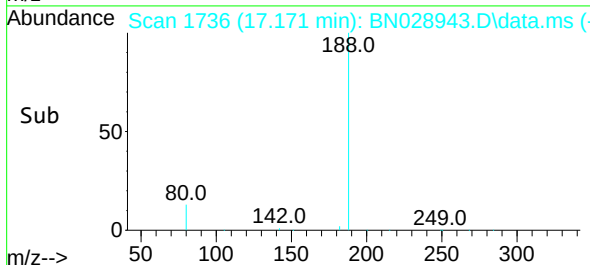
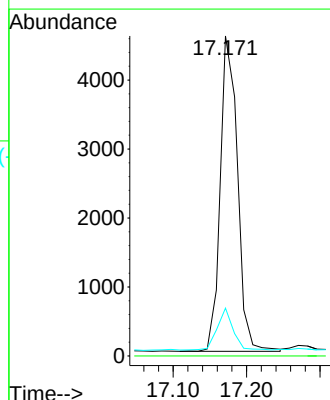
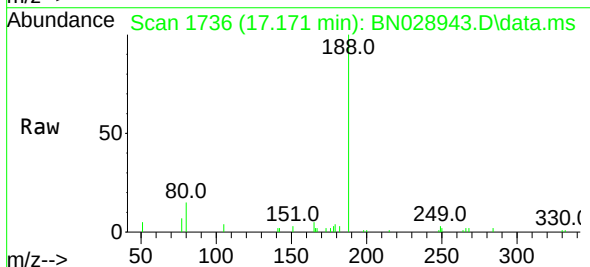
RT: 17.171 min Scan# 1736

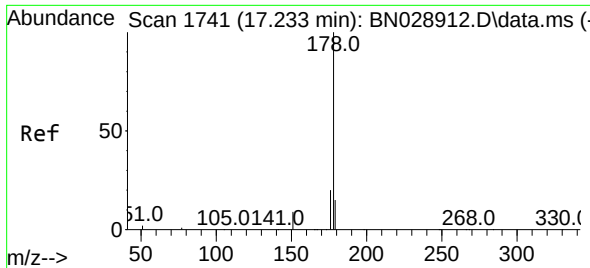
Delta R.T. -0.012 min

Lab File: BN028943.D

Acq: 01 Dec 2023 12:29

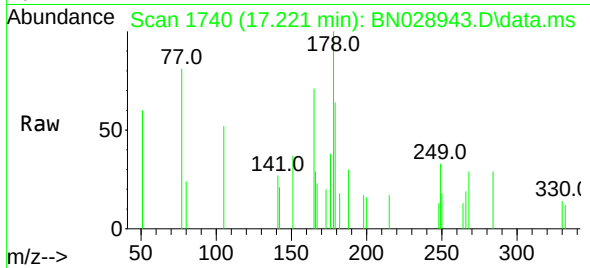
Tgt Ion:	188	Resp:	7450
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	15.0	9.0	13.6





#25
Phenanthrene
Concen: 0.025 ng
RT: 17.221 min Scan# 1740
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

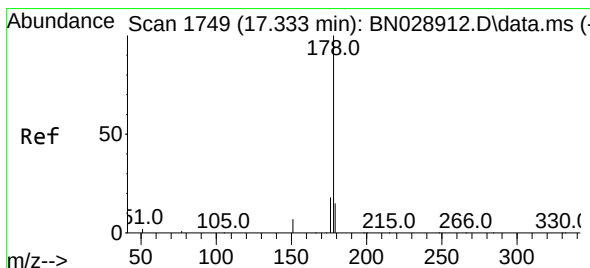
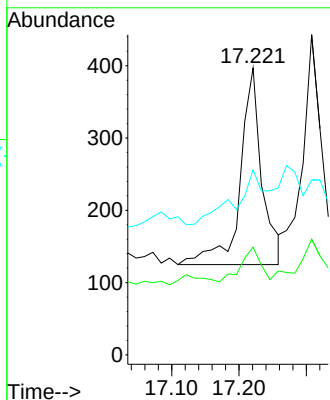
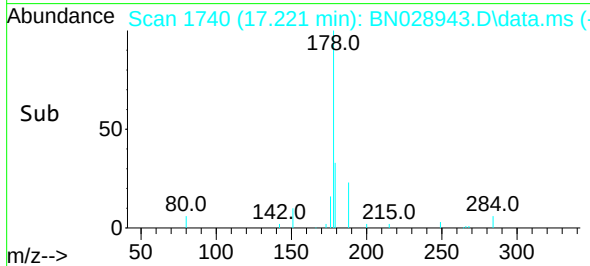
Instrument :
BNA_N
ClientSampleId :
TT149S1-20231107



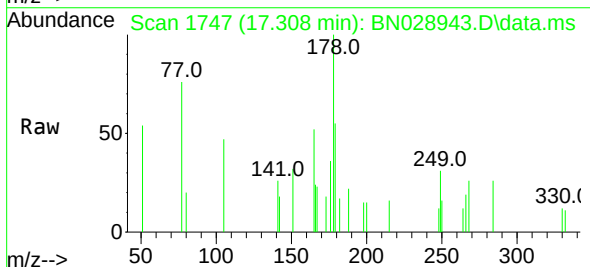
Tgt Ion:178 Resp: 615
Ion Ratio Lower Upper
178 100
176 15.4 16.4 24.6
179 38.9 14.1 21.1

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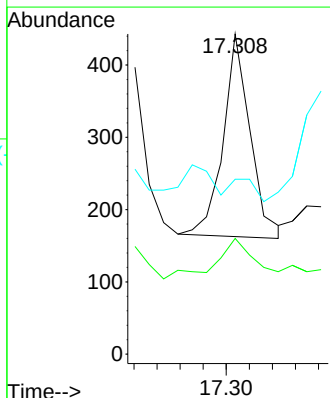
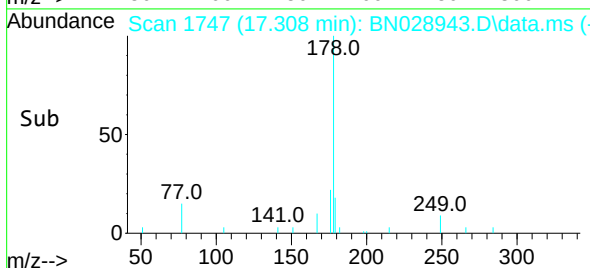
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

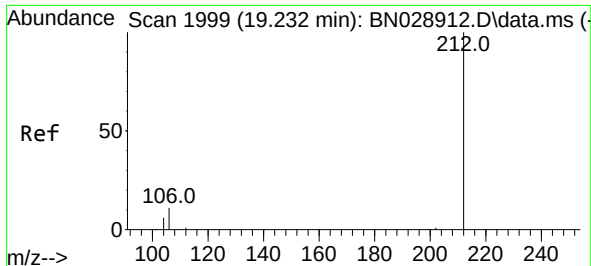


#26
Anthracene
Concen: 0.020 ng
RT: 17.308 min Scan# 1747
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29



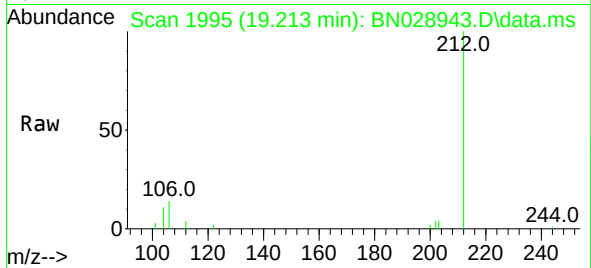
Tgt Ion:178 Resp: 455
Ion Ratio Lower Upper
178 100
176 15.2 15.2 22.8#
179 0.0 12.2 18.2#





#27
Fluoranthene-d10
Concen: 0.373 ng
RT: 19.213 min Scan# 1995
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

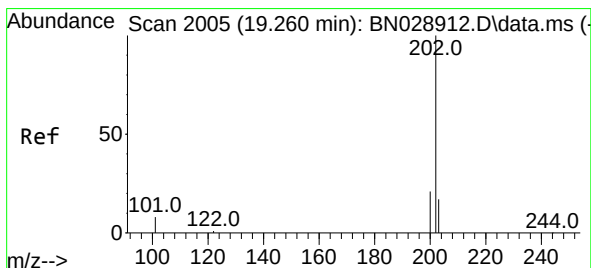
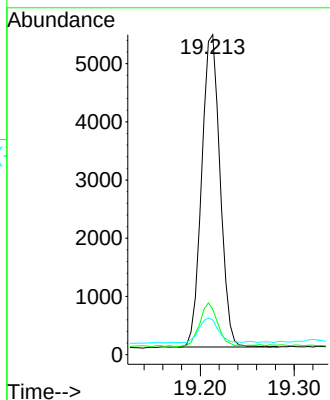
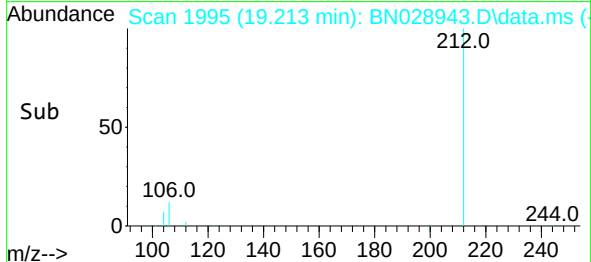
Instrument :
BNA_N
ClientSampleId :
TT149S1-20231107



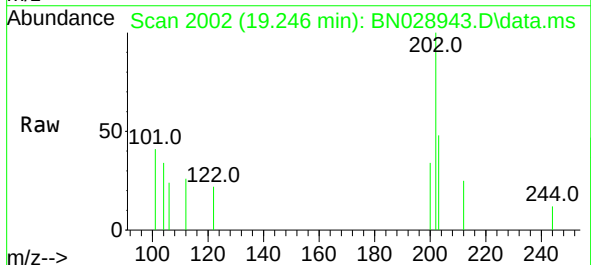
Tgt Ion:212 Resp: 730
Ion Ratio Lower Upper
212 100
106 13.6 9.4 14.2
104 8.3 6.2 9.2

Manual Integrations
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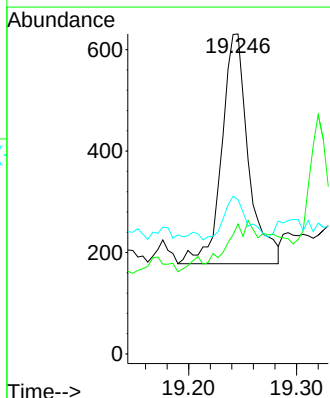
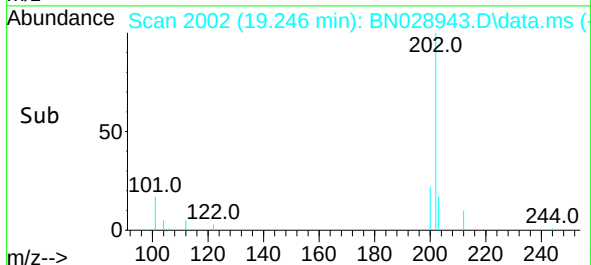
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

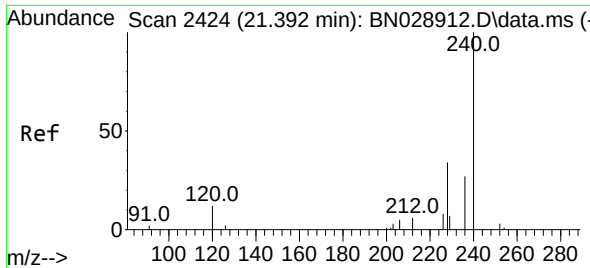


#28
Fluoranthene
Concen: 0.031 ng
RT: 19.246 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29



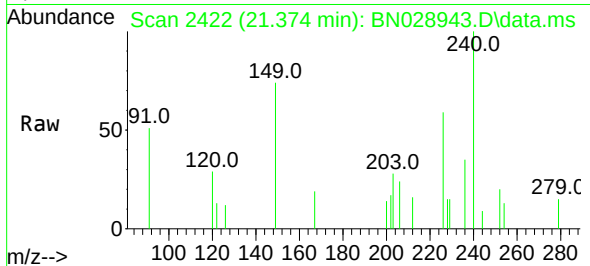
Tgt Ion:202 Resp: 783
Ion Ratio Lower Upper
202 100
101 10.5 7.3 10.9
203 16.3 14.1 21.1





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.374 min Scan# 2422
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

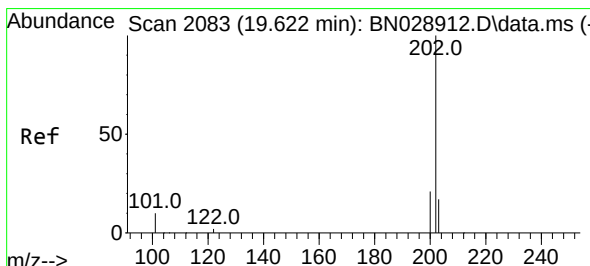
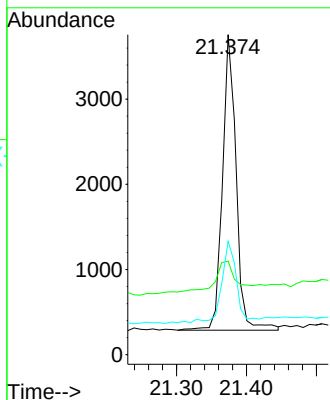
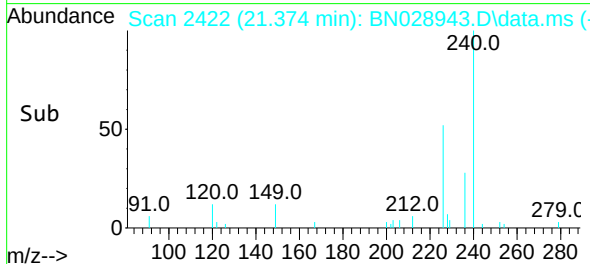
Instrument :
BNA_N
ClientSampleId :
TT149S1-20231107



Tgt Ion:240 Resp: 4689
Ion Ratio Lower Upper
240 100
120 29.3 37.1 55.7
236 35.4 32.4 48.6

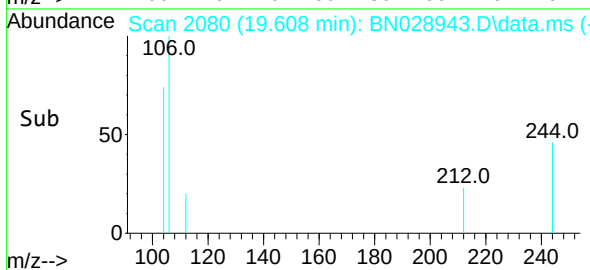
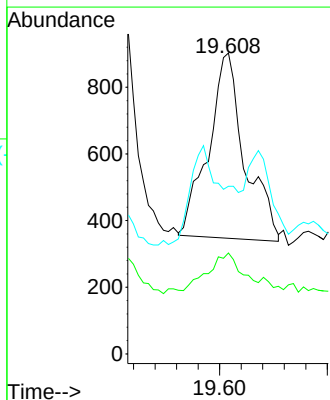
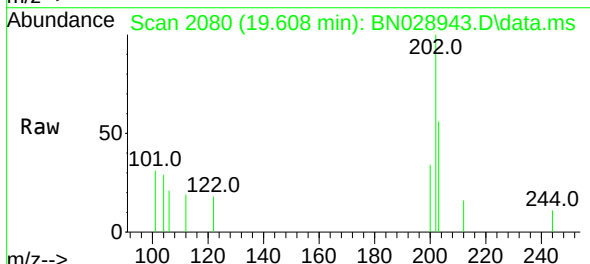
Manual Integrations
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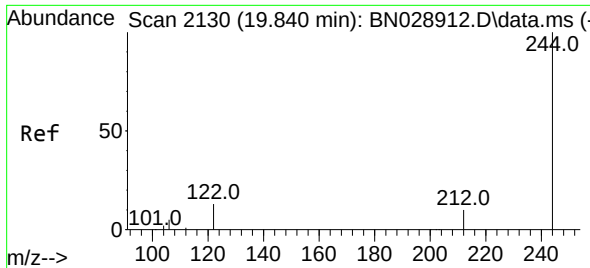
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#30
Pyrene
Concen: 0.131 ng m
RT: 19.608 min Scan# 2080
Delta R.T. -0.000 min
Lab File: BN028943.D
Acq: 01 Dec 2023 12:29

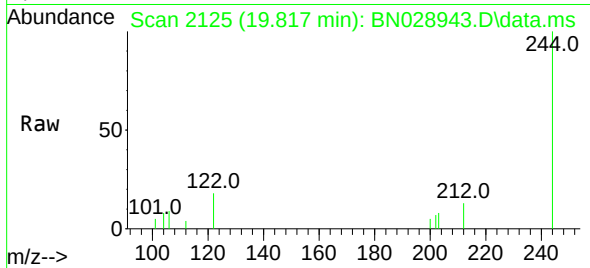
Tgt Ion:202 Resp: 1305
Ion Ratio Lower Upper
202 100
200 17.1 16.9 25.3
203 14.0 14.8 22.2#





#31
 Terphenyl-d14
 Concen: 0.414 ng
 RT: 19.817 min Scan# 2130
 Delta R.T. -0.005 min
 Lab File: BN028943.D
 Acq: 01 Dec 2023 12:29

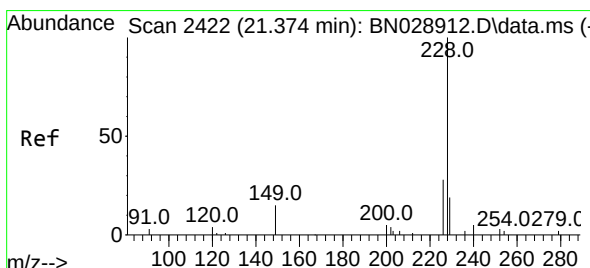
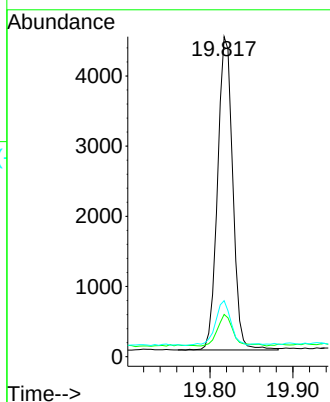
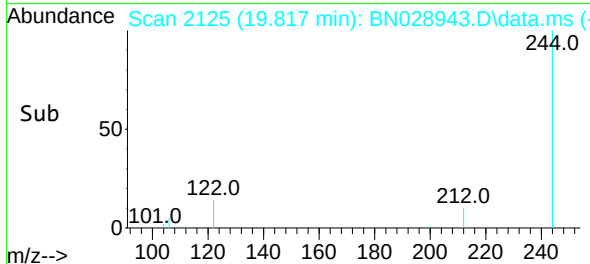
Instrument :
 BNA_N
 ClientSampleId :
 TT149S1-20231107



Tgt Ion:244 Resp: 5649
 Ion Ratio Lower Upper
 244 100
 212 13.2 11.5 17.3
 122 17.5 13.2 19.8

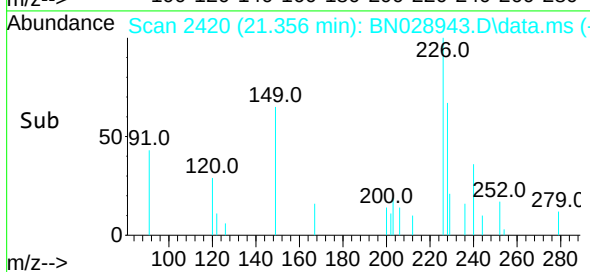
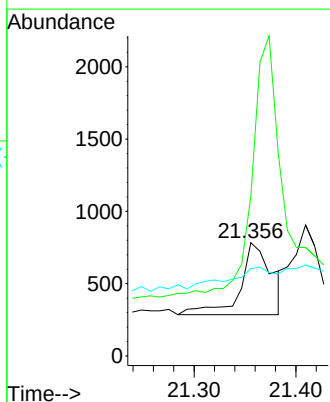
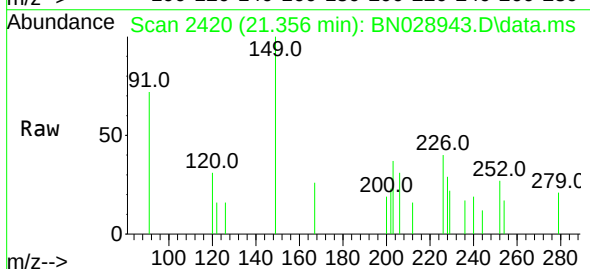
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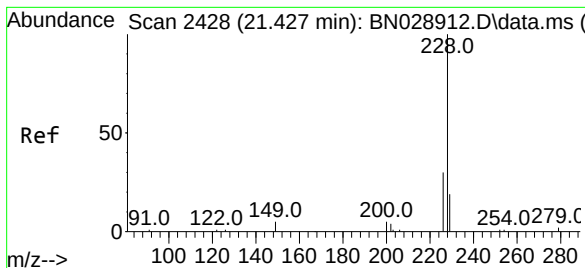
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023



#32
 Benzo(a)anthracene
 Concen: 0.054 ng
 RT: 21.356 min Scan# 2420
 Delta R.T. -0.000 min
 Lab File: BN028943.D
 Acq: 01 Dec 2023 12:29

Tgt Ion:228 Resp: 1074
 Ion Ratio Lower Upper
 228 100
 226 140.9 26.5 39.7#
 229 77.0 16.4 24.6#





#33

Chrysene

Concen: 0.046 ng

RT: 21.409 min Scan# 2426

Delta R.T. -0.000 min

Lab File: BN028943.D

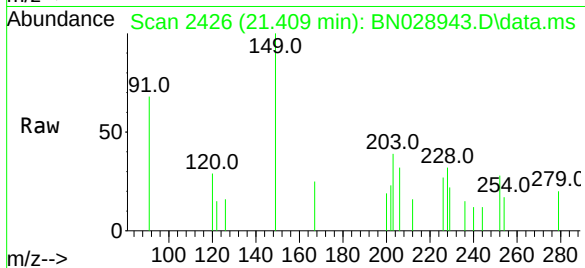
Acq: 01 Dec 2023 12:29

Instrument :

BNA_N

ClientSampleId :

TT149S1-20231107



Tgt Ion:228 Resp: 894

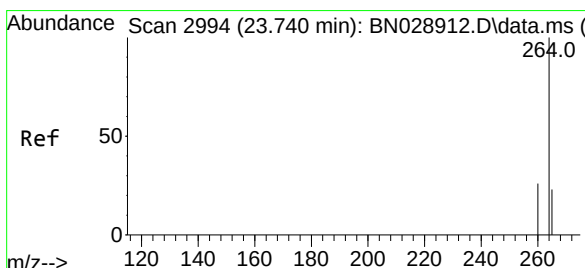
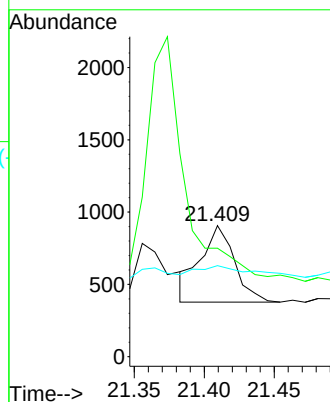
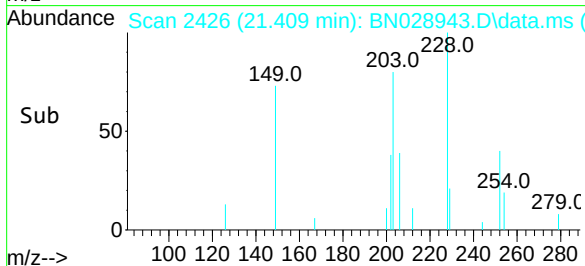
Ion	Ratio	Lower	Upper
228	100		
226	82.9	28.3	42.5
229	69.5	16.4	24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.710 min Scan# 2984

Delta R.T. -0.003 min

Lab File: BN028943.D

Acq: 01 Dec 2023 12:29

Tgt Ion:264 Resp: 4698

Ion	Ratio	Lower	Upper
264	100		
260	33.1	20.6	30.8
265	151.3	464.5	696.7

