

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033568.D
 Acq On : 23 Aug 2024 01:05
 Operator : MA/JU
 Sample : P3671-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-905-J-SO-0-0.5-081924

Quant Time: Aug 23 01:36:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 00:22:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	7735	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	20459	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	9843	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	18367	0.400	ng	0.00
29) Chrysene-d12	21.139	240	15413	0.400	ng	0.00
35) Perylene-d12	23.303	264	16704	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	3935	0.160	ng	0.00
5) Phenol-d6	6.729	99	4875	0.167	ng	0.00
8) Nitrobenzene-d5	8.681	82	3190	0.188	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	4662	0.159	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	780	0.147	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	6144	0.153	ng	0.00
27) Fluoranthene-d10	18.970	212	5035	0.114	ng	0.00
31) Terphenyl-d14	19.583	244	3133	0.089	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.357	128	2589	0.047	ng	# 90
12) 2-Methylnaphthalene	11.979	142	1314	0.038	ng	# 92
16) Acenaphthylene	13.900	152	2481	0.057	ng	97
17) Acenaphthene	14.242	154	12835	0.423	ng	98
18) Fluorene	15.236	166	13939	0.364	ng	98
25) Phenanthrene	16.967	178	255438	4.999	ng	100
26) Anthracene	17.066	178	48729	1.078	ng	# 96
28) Fluoranthene	19.003	202	508617	9.008	ng	100
30) Pyrene	19.365	202	439507	6.389	ng	# 95
32) Benzo(a)anthracene	21.121	228	253086	4.542	ng	99
33) Chrysene	21.175	228	245143	4.426	ng	97
34) Bis(2-ethylhexyl)phtha...	21.086	149	60608	1.718	ng	97
36) Indeno(1,2,3-cd)pyrene	25.452	276	172583	2.489	ng	95
37) Benzo(b)fluoranthene	22.660	252	362431	5.810	ng	# 94
38) Benzo(k)fluoranthene	22.701	252	132444m	2.157	ng	
39) Benzo(a)pyrene	23.209	252	256698m	4.973	ng	
40) Dibenzo(a,h)anthracene	25.460	278	41081	0.741	ng	97
41) Benzo(g,h,i)perylene	26.104	276	169795	2.863	ng	98

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

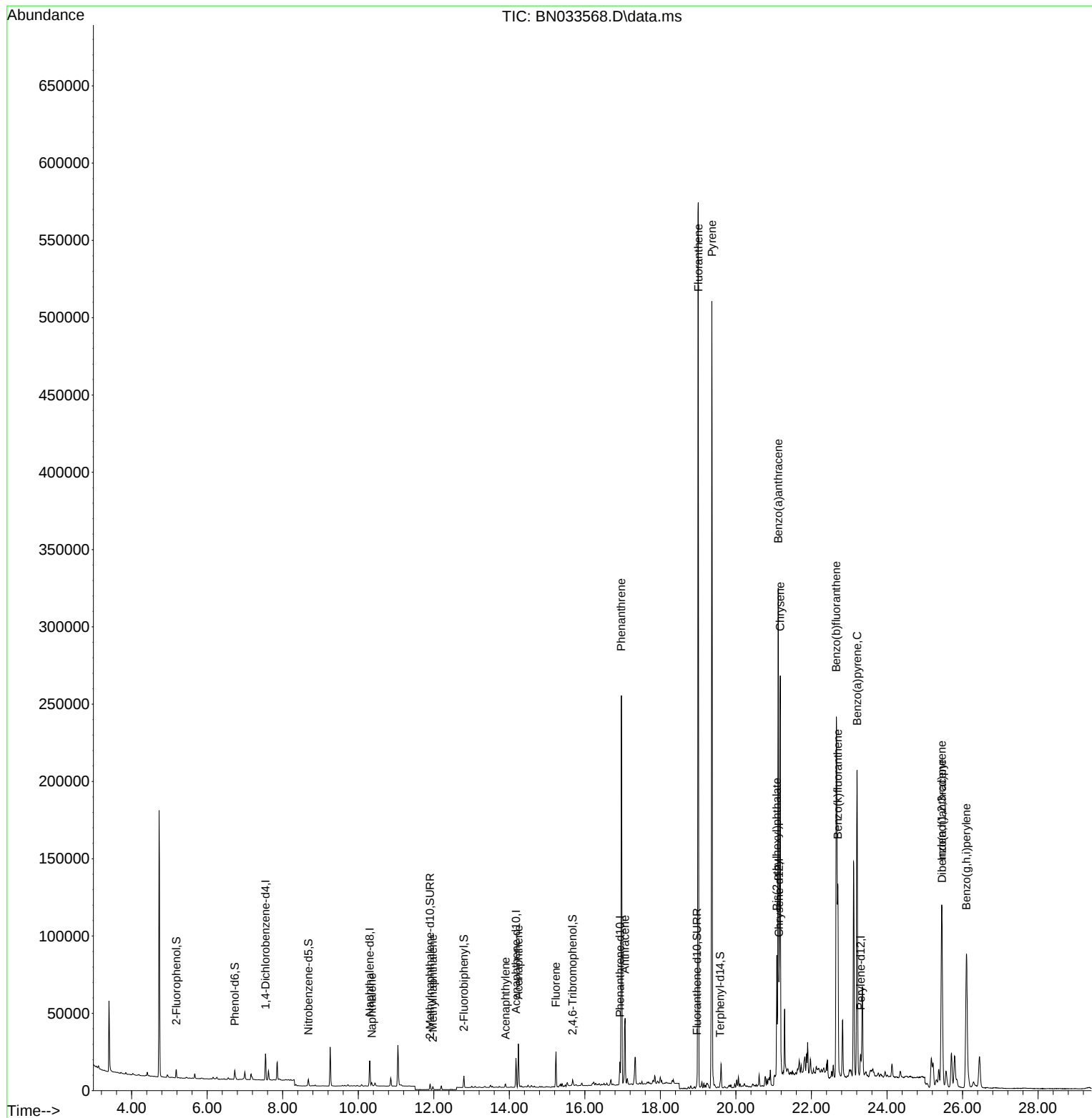
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
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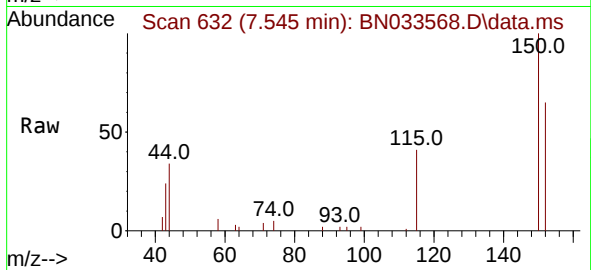
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

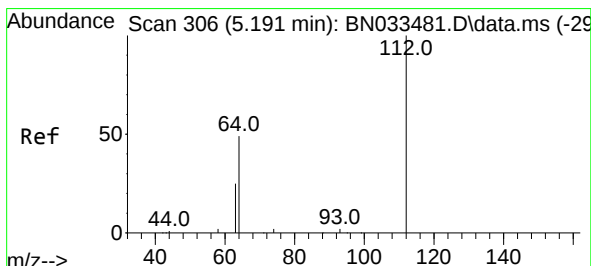
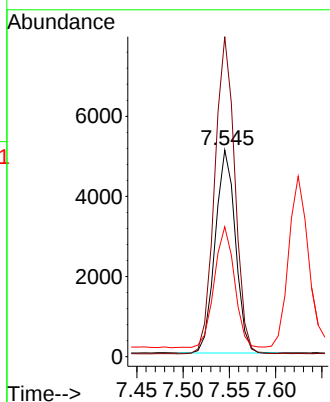
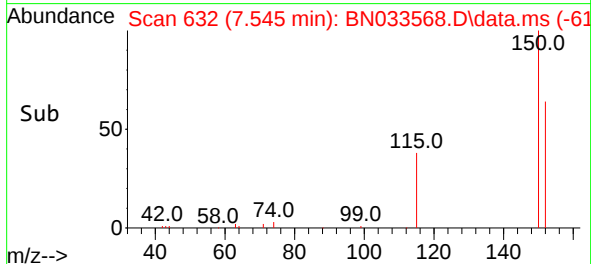
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924



Tgt Ion:152 Resp: 7735
Ion Ratio Lower Upper
152 100
150 154.8 122.2 183.2
115 62.9 47.2 70.8

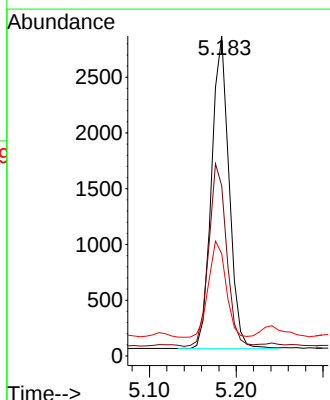
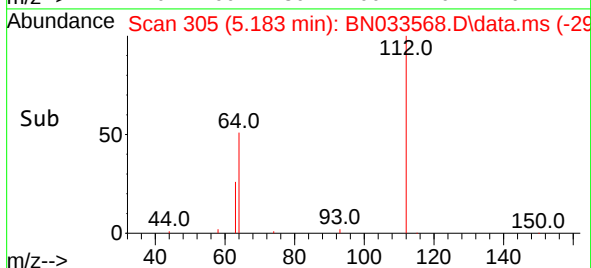
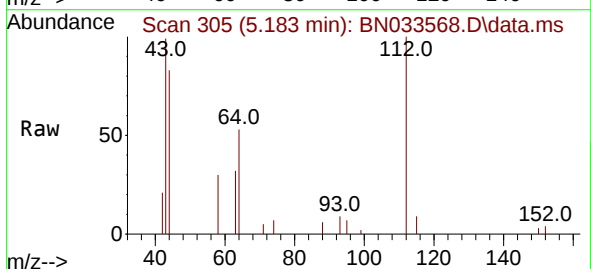
Manual Integrations
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Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#4
2-Fluorophenol
Concen: 0.160 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

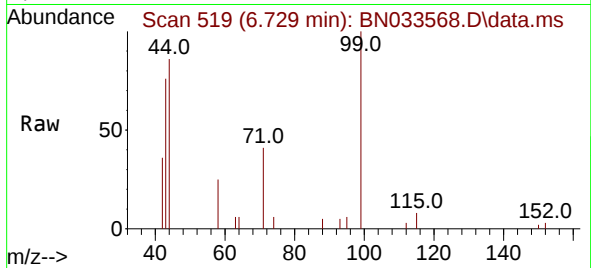
Tgt Ion:112 Resp: 3935
Ion Ratio Lower Upper
112 100
64 59.2 47.1 70.7
63 30.6 24.9 37.3





#5
Phenol-d6
Concen: 0.167 ng
RT: 6.729 min Scan# 519
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

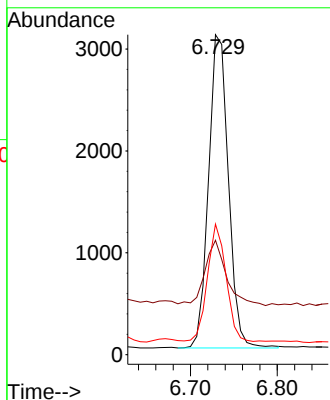
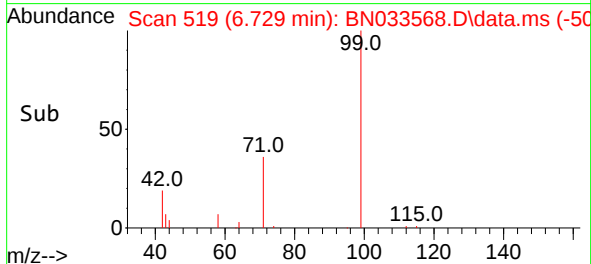
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924



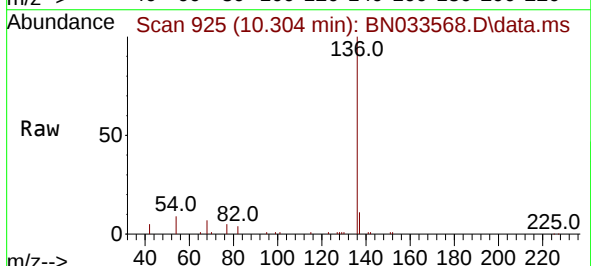
Tgt Ion: 99 Resp: 4875
Ion Ratio Lower Upper
99 100
42 22.7 16.6 24.8
71 35.2 26.2 39.4

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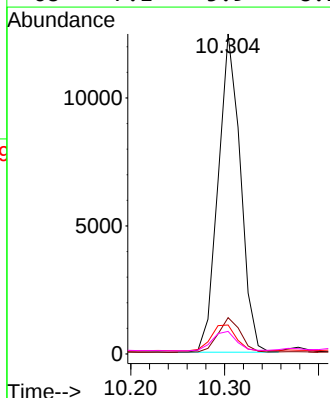
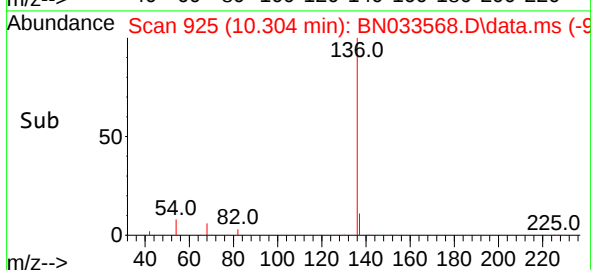
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05



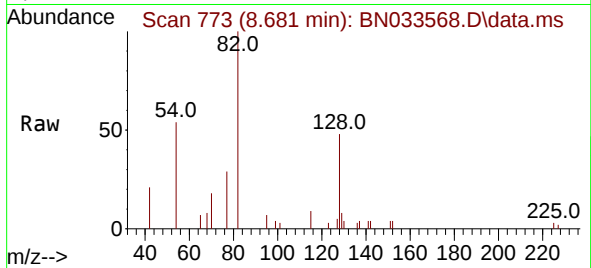
Tgt Ion:136 Resp: 20459
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.1 8.3 12.5
68 7.1 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.188 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

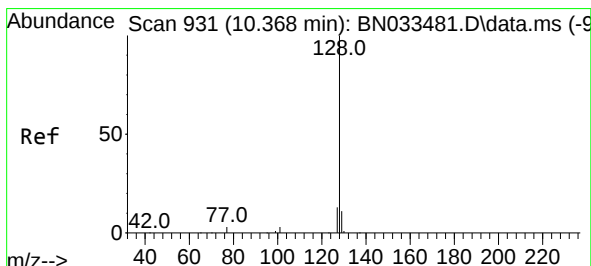
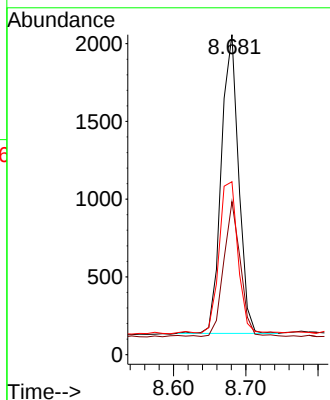
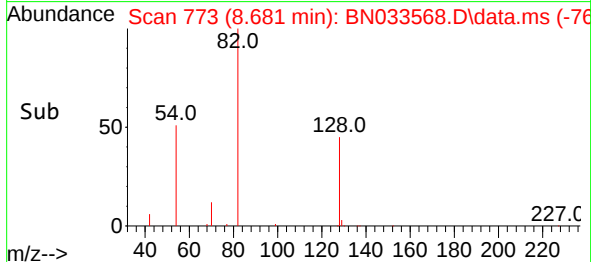
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924



Tgt Ion: 82 Resp: 3190
Ion Ratio Lower Upper
82 100
128 47.9 36.0 54.0
54 54.0 42.0 63.0

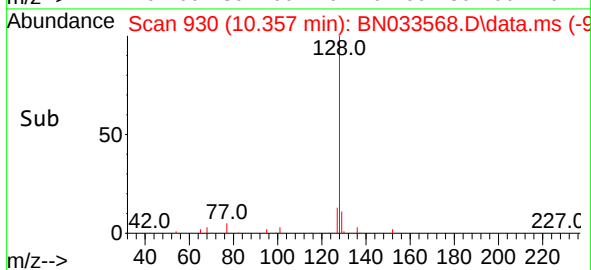
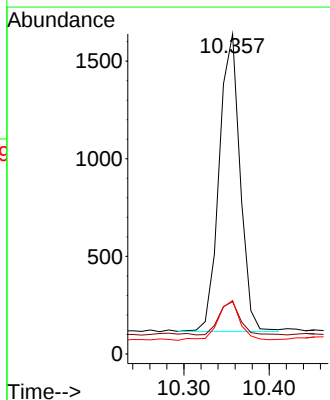
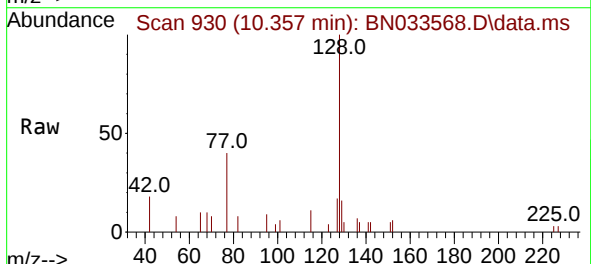
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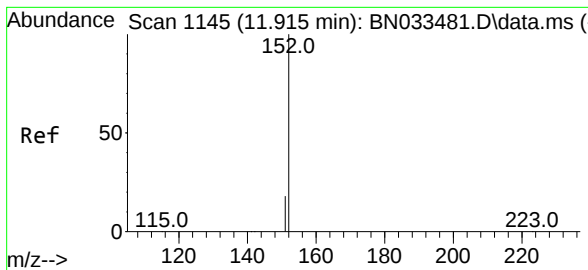
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#9
Naphthalene
Concen: 0.047 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

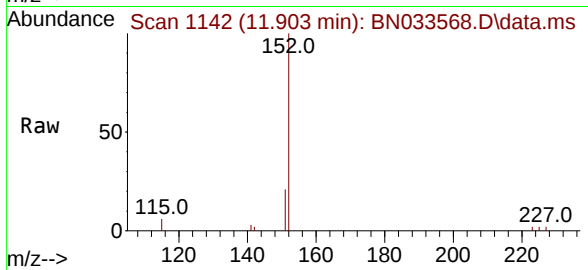
Tgt Ion:128 Resp: 2589
Ion Ratio Lower Upper
128 100
129 16.4 9.1 13.7#
127 16.7 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.159 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

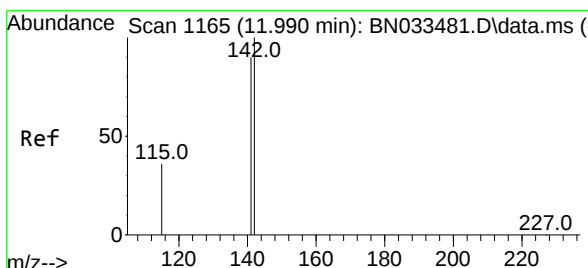
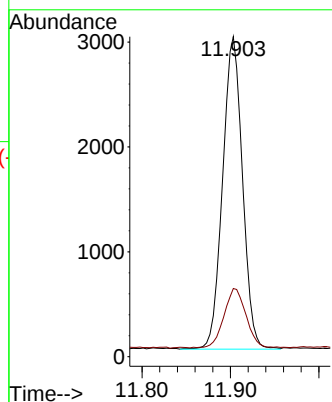
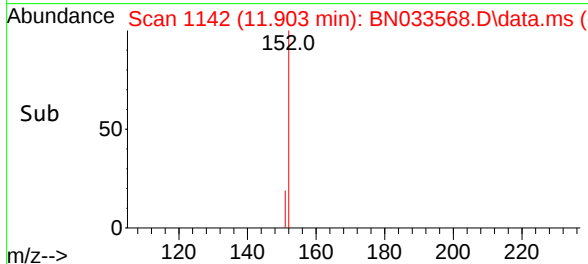
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924



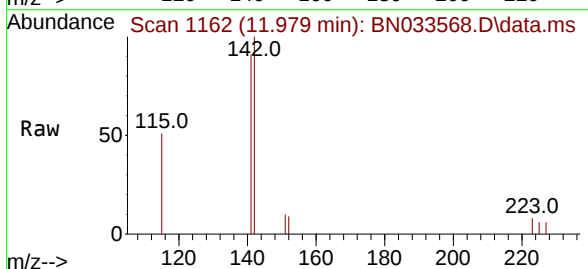
Tgt Ion:152 Resp: 4662
Ion Ratio Lower Upper
152 100
151 21.1 16.6 25.0

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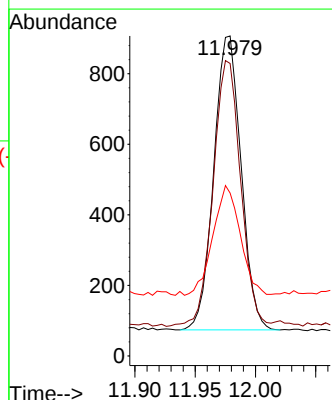
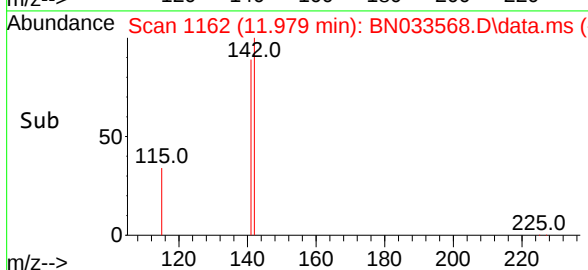
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

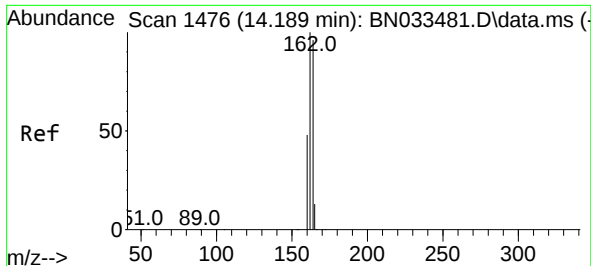


#12
2-Methylnaphthalene
Concen: 0.038 ng
RT: 11.979 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05



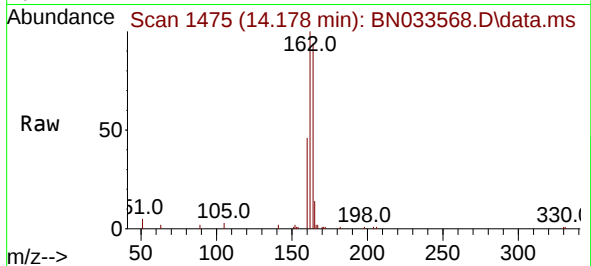
Tgt Ion:142 Resp: 1314
Ion Ratio Lower Upper
142 100
141 91.4 71.7 107.5
115 50.9 29.4 44.2#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

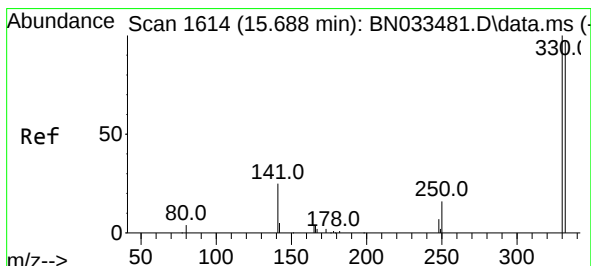
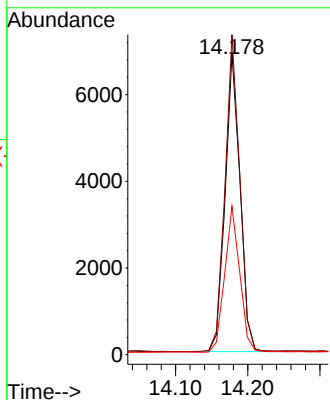
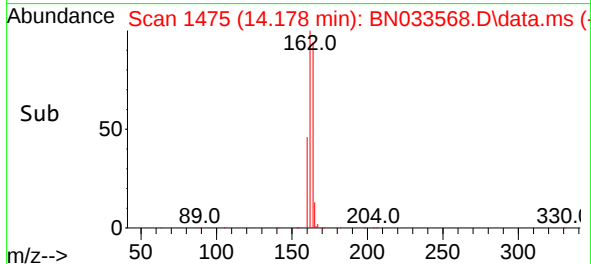
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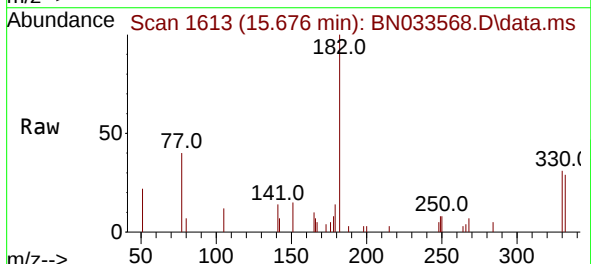
Tgt Ion:164 Resp: 984
Ion Ratio Lower Upper
164 100
162 106.3 83.5 125.3
160 49.3 40.2 60.4

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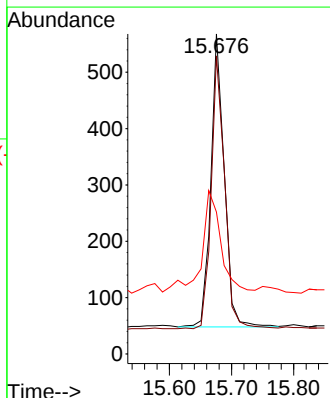
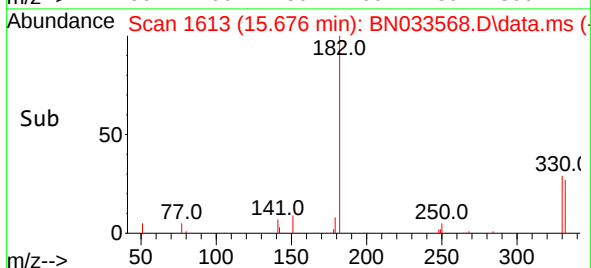
Reviewed By :Yogesh Patel 08/23/2024
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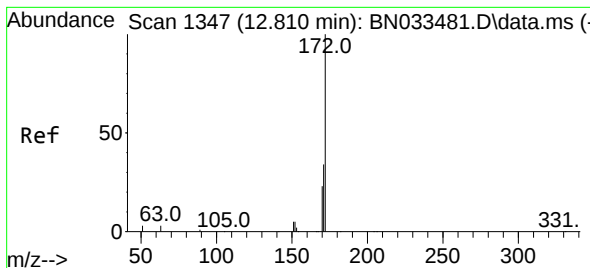


#14
2,4,6-Tribromophenol
Concen: 0.147 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05



Tgt Ion:330 Resp: 780
Ion Ratio Lower Upper
330 100
332 93.6 77.5 116.3
141 44.9 33.9 50.9





#15

2-Fluorobiphenyl

Concen: 0.153 ng

RT: 12.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN033568.D

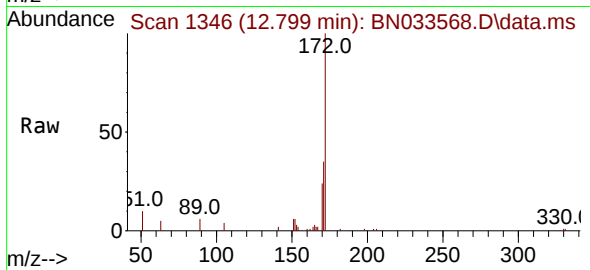
Acq: 23 Aug 2024 01:05

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924



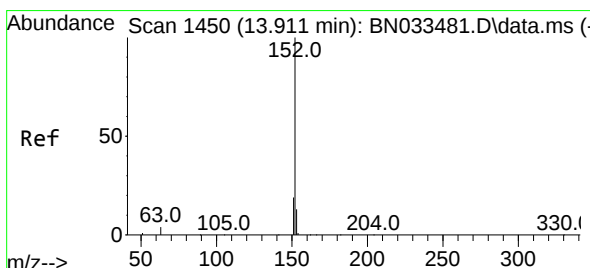
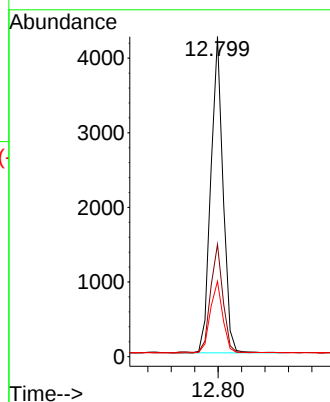
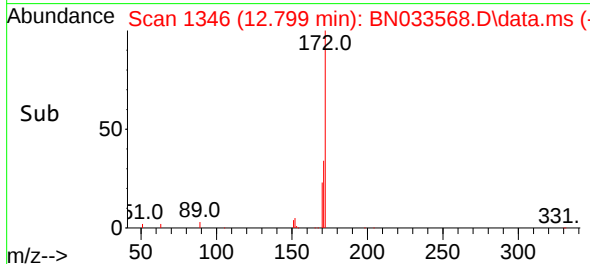
Tgt Ion:	172	Resp:	614
Ion Ratio	Lower	Upper	
172	100		
171	35.1	27.7	41.5
170	23.5	18.3	27.5

Manual Integrations

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#16

Acenaphthylene

Concen: 0.057 ng

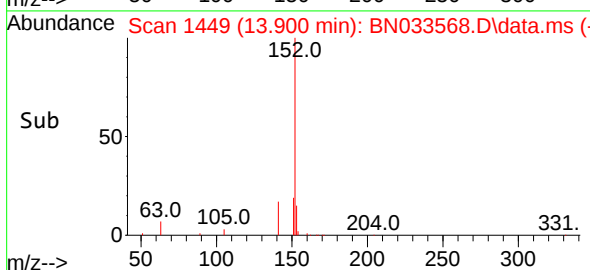
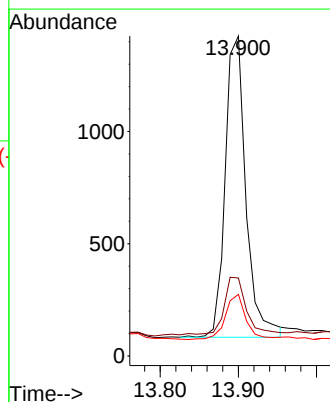
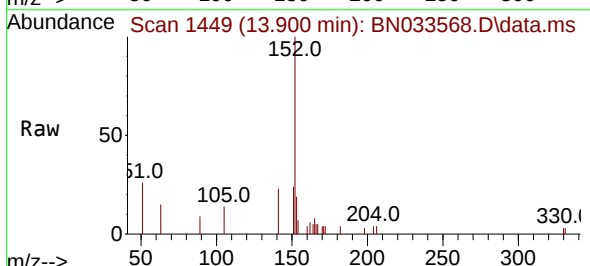
RT: 13.900 min Scan# 1449

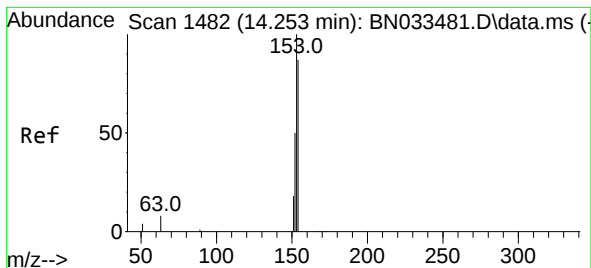
Delta R.T. -0.000 min

Lab File: BN033568.D

Acq: 23 Aug 2024 01:05

Tgt Ion:	152	Resp:	2481
Ion Ratio	Lower	Upper	
152	100		
151	20.4	15.7	23.5
153	14.9	10.3	15.5





#17

Acenaphthene

Concen: 0.423 ng

RT: 14.242 min Scan# 1481

Delta R.T. -0.000 min

Lab File: BN033568.D

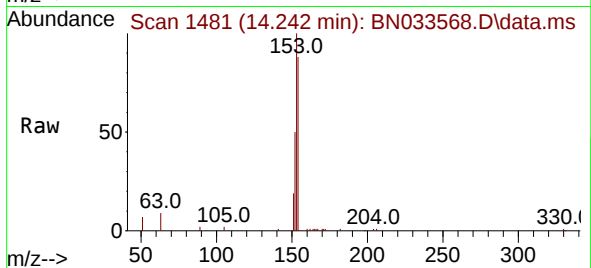
Acq: 23 Aug 2024 01:05

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924



Tgt Ion:154 Resp: 1283

Ion Ratio Lower Upper

154 100

153 114.3 89.0 133.6

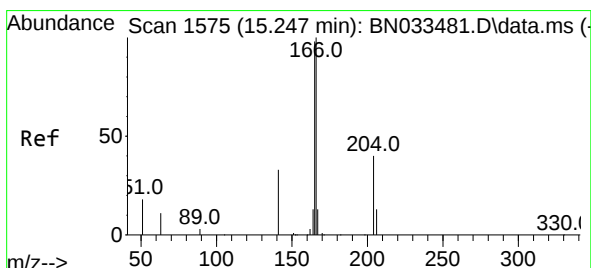
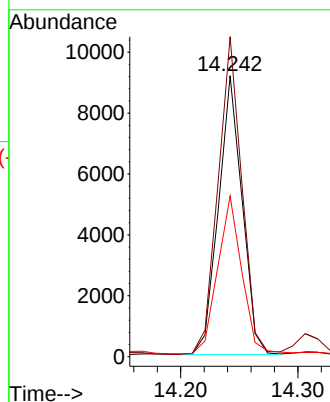
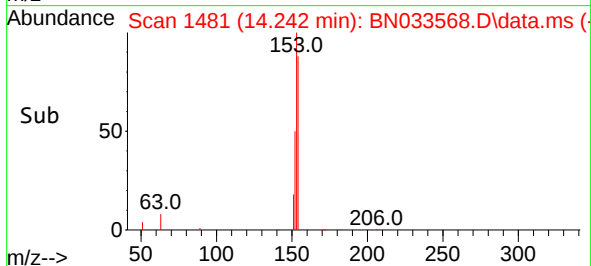
152 57.6 45.2 67.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/24/2024



#18

Fluorene

Concen: 0.364 ng

RT: 15.236 min Scan# 1574

Delta R.T. -0.000 min

Lab File: BN033568.D

Acq: 23 Aug 2024 01:05

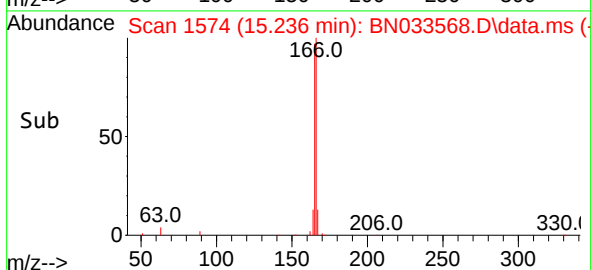
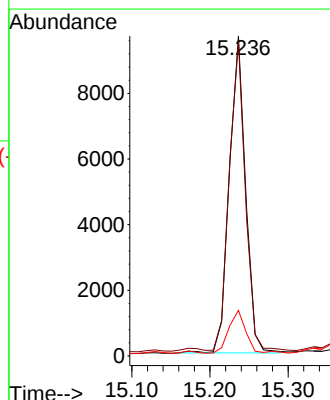
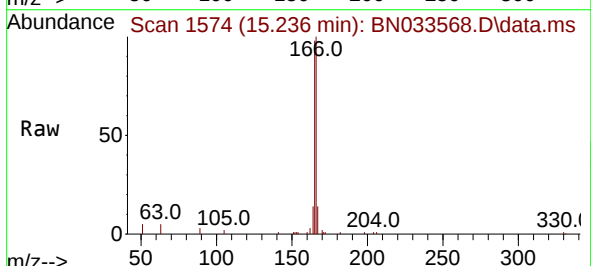
Tgt Ion:166 Resp: 13939

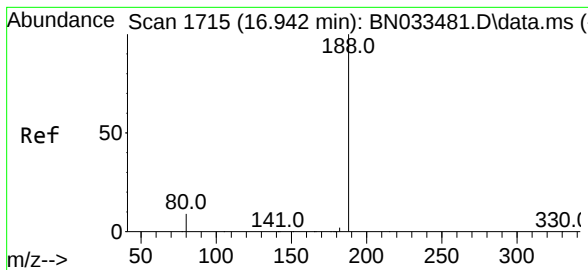
Ion Ratio Lower Upper

166 100

165 95.8 78.2 117.4

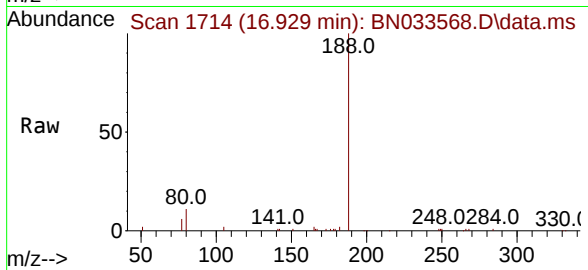
167 14.4 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

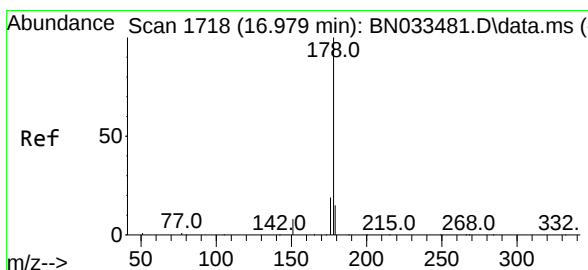
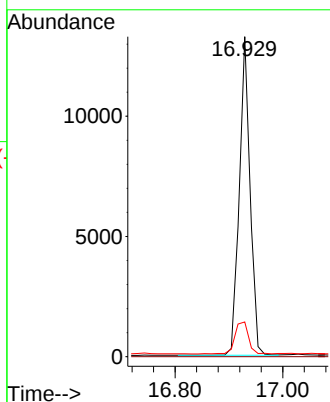
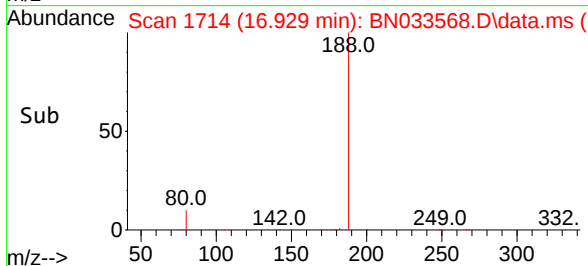
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924



Tgt Ion:188 Resp: 1836
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 7.8 11.8

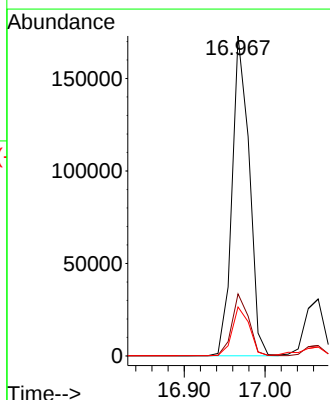
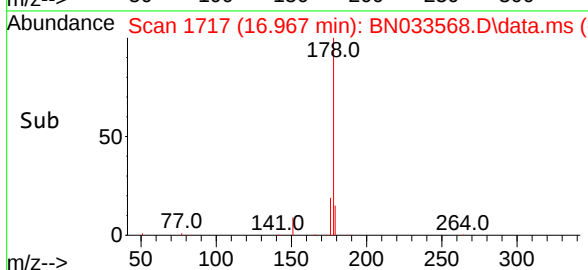
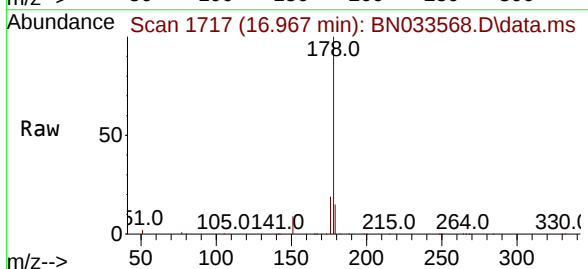
Manual Integrations
APPROVED

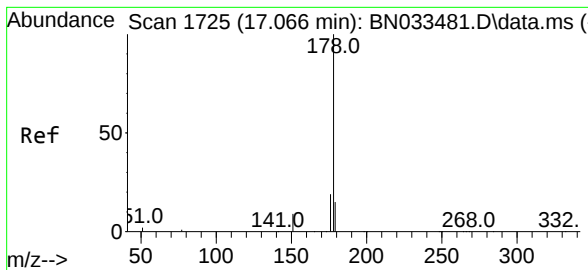
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#25
Phenanthrene
Concen: 4.999 ng
RT: 16.967 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

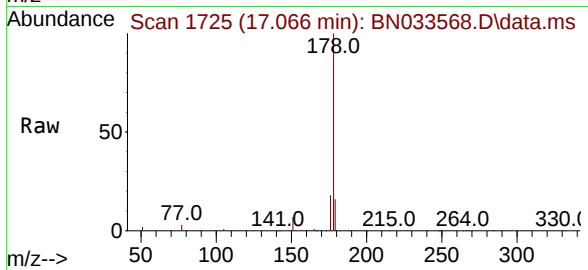
Tgt Ion:178 Resp: 255438
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.3 12.3 18.5





#26
 Anthracene
 Concen: 1.078 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. -0.000 min
 Lab File: BN033568.D
 Acq: 23 Aug 2024 01:05

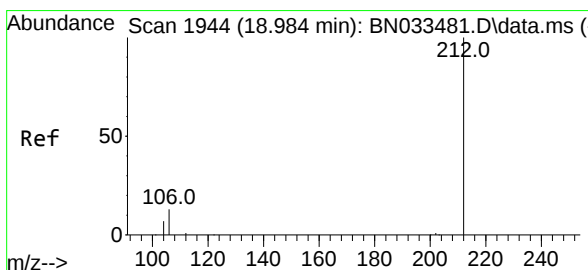
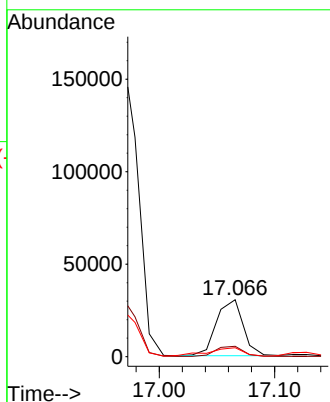
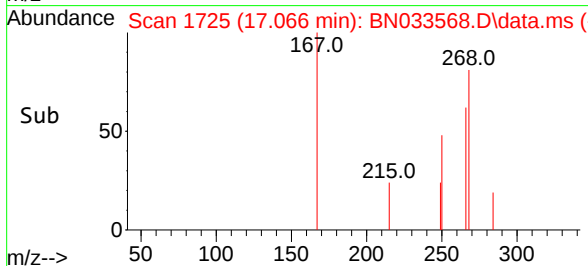
Instrument : BNA_N
 ClientSampleId : S-905-J-SO-0-0.5-081924



Tgt Ion:178 Resp: 48729
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.0 22.6
 179 19.5 12.4 18.6

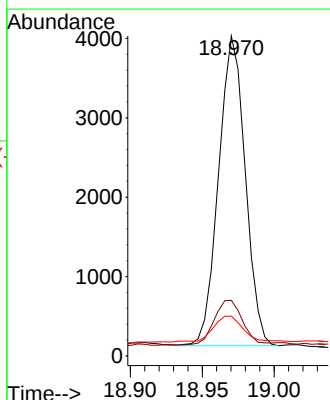
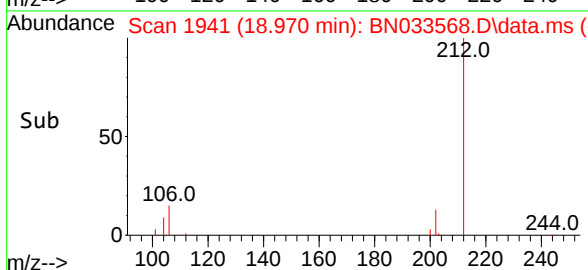
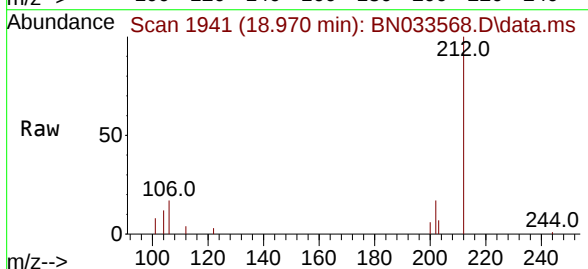
Manual Integrations
 APPROVED

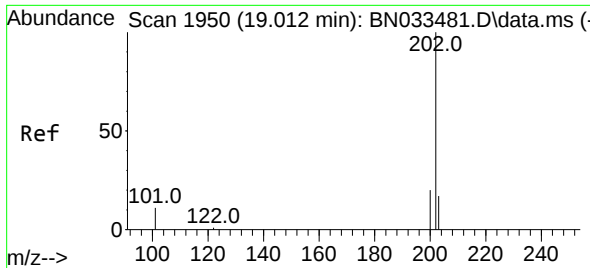
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#27
 Fluoranthene-d10
 Concen: 0.114 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: BN033568.D
 Acq: 23 Aug 2024 01:05

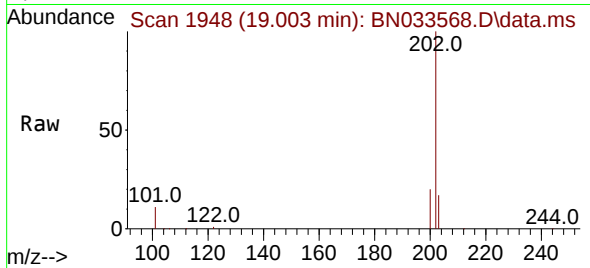
Tgt Ion:212 Resp: 5035
 Ion Ratio Lower Upper
 212 100
 106 16.0 12.3 18.5
 104 10.8 7.0 10.4





#28
Fluoranthene
Concen: 9.008 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

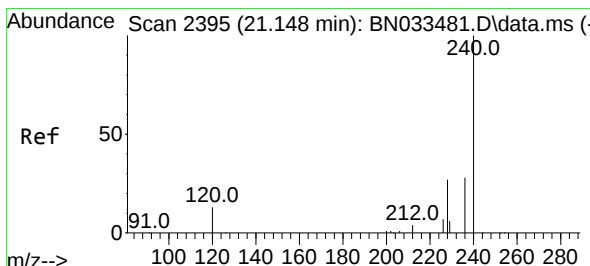
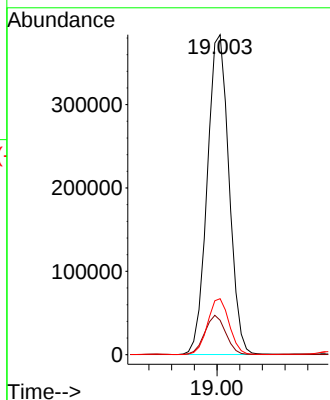
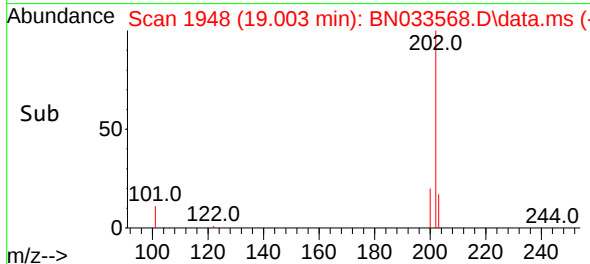
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924



Tgt Ion:202 Resp: 50861
Ion Ratio Lower Upper
202 100
101 11.8 9.5 14.3
203 17.3 13.8 20.6

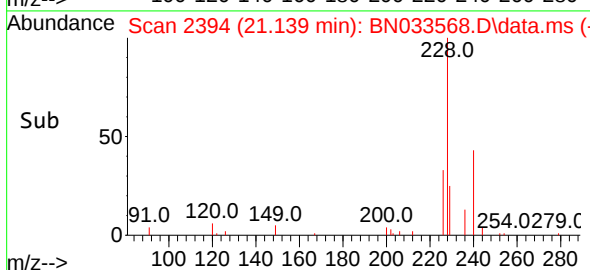
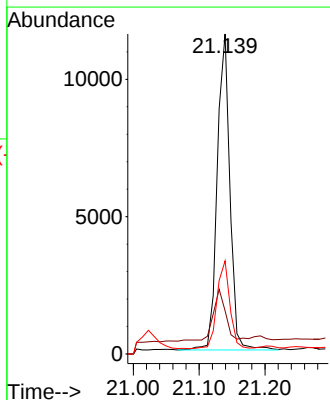
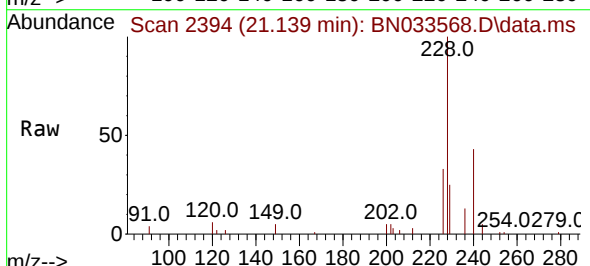
Manual Integrations
APPROVED

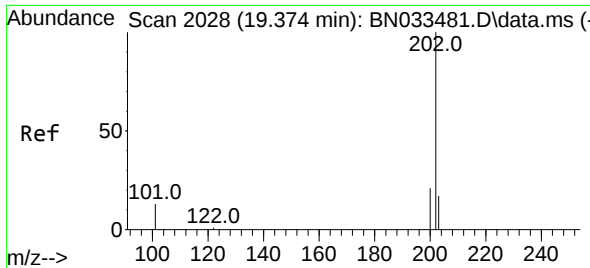
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

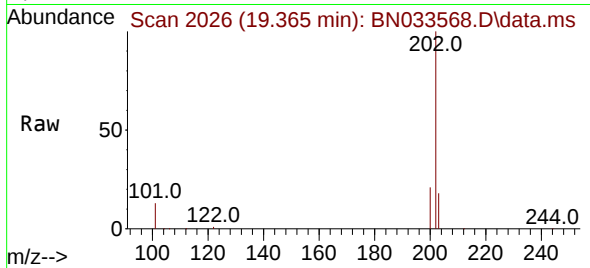
Tgt Ion:240 Resp: 15413
Ion Ratio Lower Upper
240 100
120 13.5 12.4 18.6
236 29.1 23.0 34.6





#30
Pyrene
Concen: 6.389 ng
RT: 19.365 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

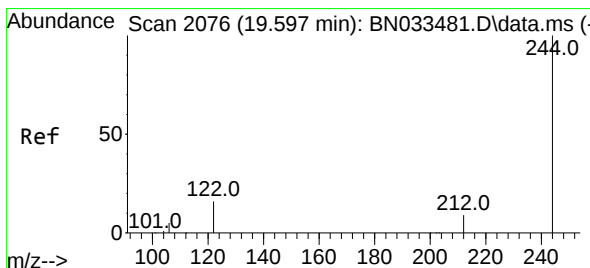
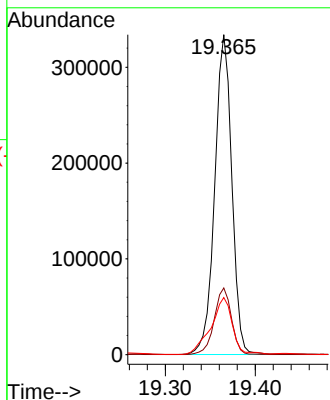
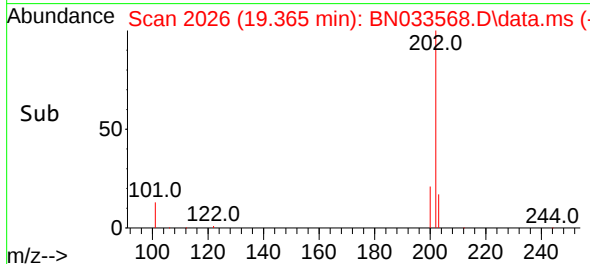
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924



Tgt Ion:202 Resp: 439507
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 22.3 14.2 21.4

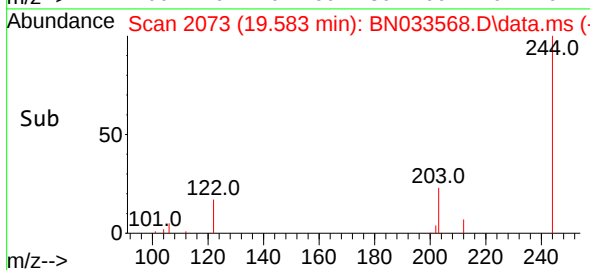
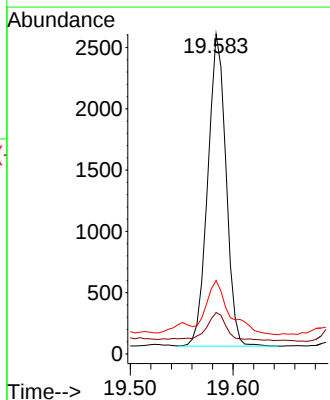
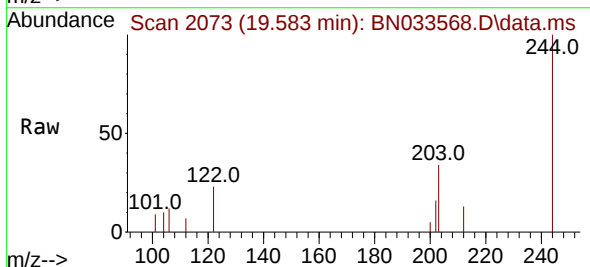
Manual Integrations
APPROVED

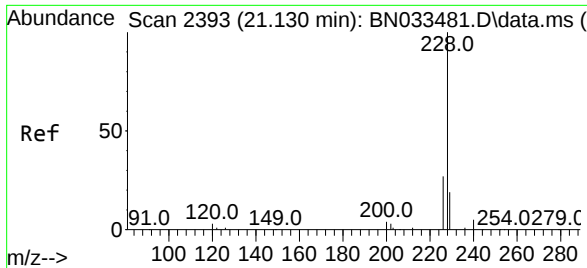
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#31
Terphenyl-d14
Concen: 0.089 ng
RT: 19.583 min Scan# 2073
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

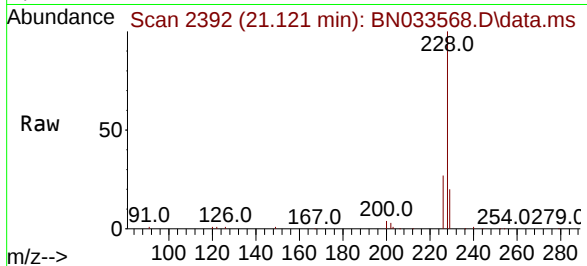
Tgt Ion:244 Resp: 3133
Ion Ratio Lower Upper
244 100
212 12.9 7.8 11.6#
122 23.0 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 4.542 ng
RT: 21.121 min Scan# 21121
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

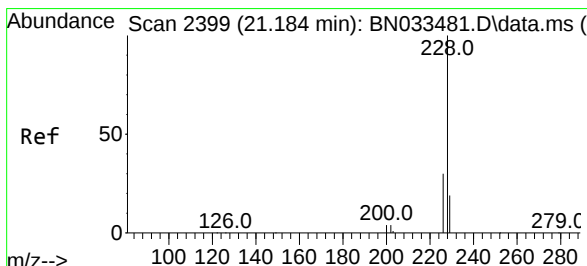
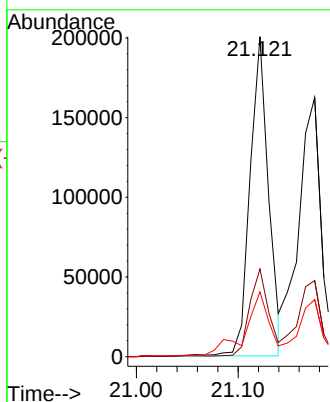
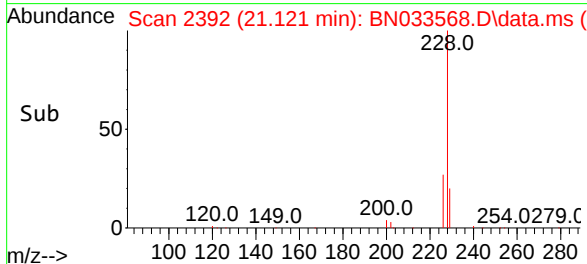
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924



Tgt Ion:228 Resp: 253080
Ion Ratio Lower Upper
228 100
226 27.4 21.8 32.6
229 20.2 15.8 23.6

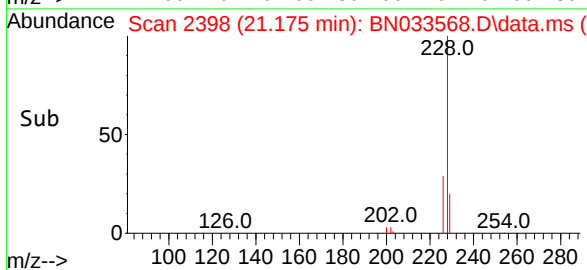
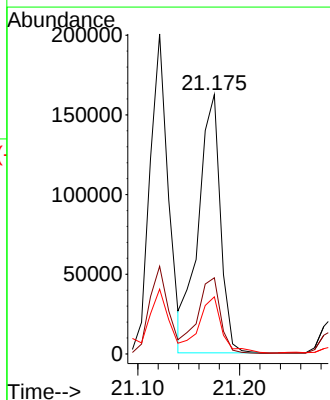
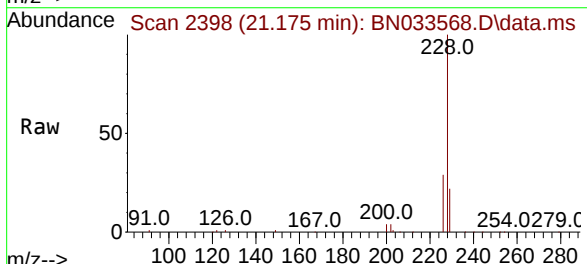
Manual Integrations
APPROVED

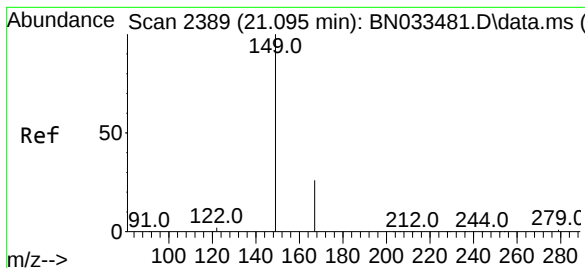
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#33
Chrysene
Concen: 4.426 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Tgt Ion:228 Resp: 245143
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.8
229 22.0 15.6 23.4





#34

Bis(2-ethylhexyl)phthalate

Concen: 1.718 ng

RT: 21.086 min Scan# 2108

Delta R.T. -0.000 min

Lab File: BN033568.D

Acq: 23 Aug 2024 01:05

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924

Tgt Ion:149 Resp: 60608

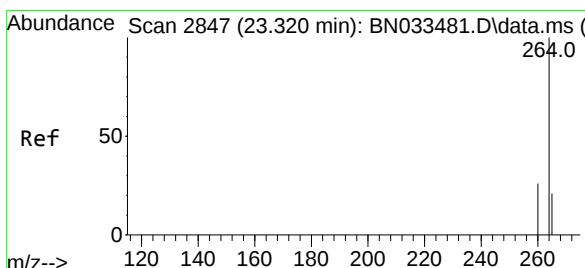
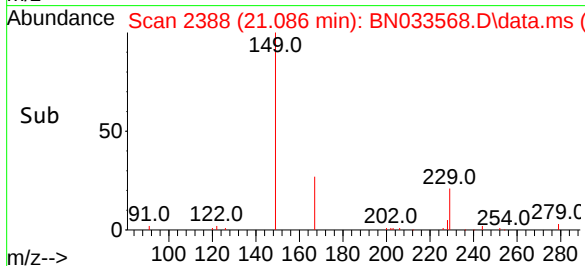
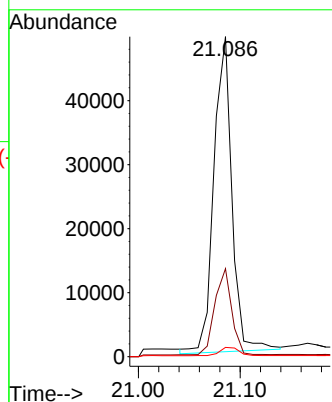
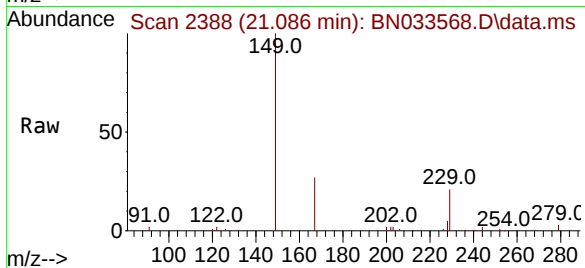
Ion	Ratio	Lower	Upper
149	100		
167	28.3	21.5	32.3
279	3.1	2.2	3.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/24/2024



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.303 min Scan# 2841

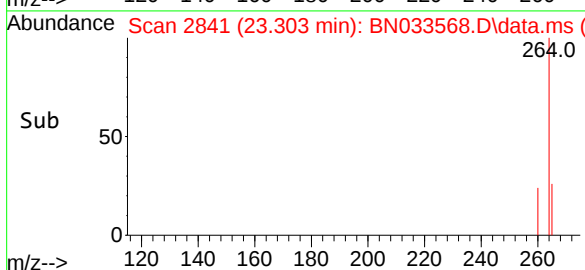
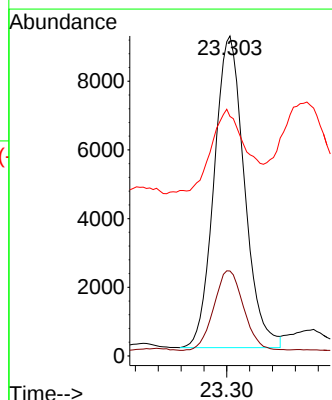
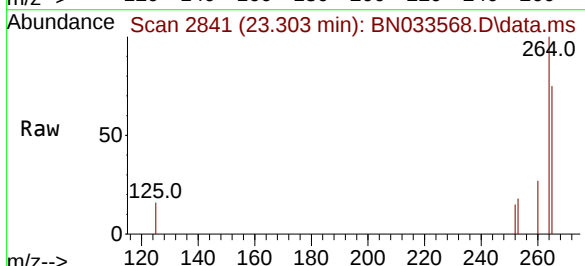
Delta R.T. -0.000 min

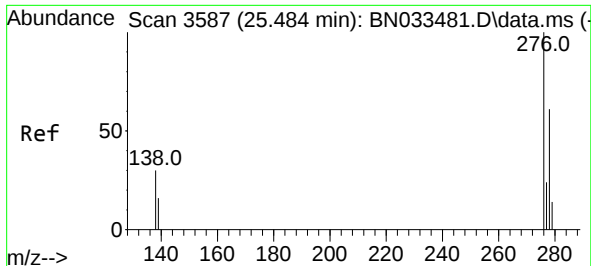
Lab File: BN033568.D

Acq: 23 Aug 2024 01:05

Tgt Ion:264 Resp: 16704

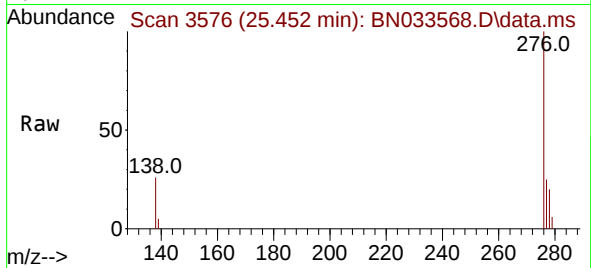
Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.8	31.2
265	74.8	52.2	78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 2.489 ng
RT: 25.452 min Scan# 3576
Delta R.T. 0.003 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

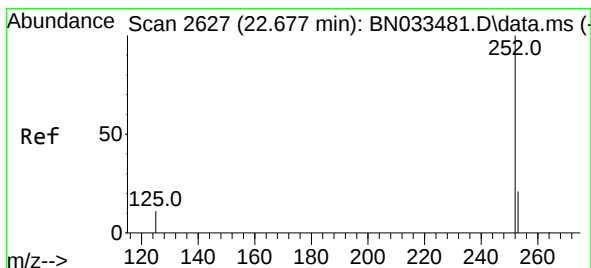
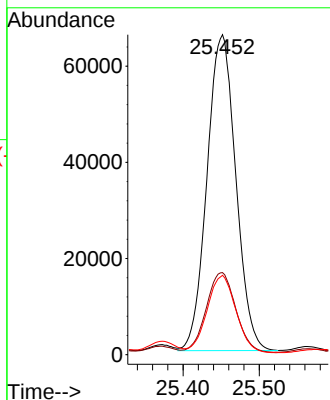
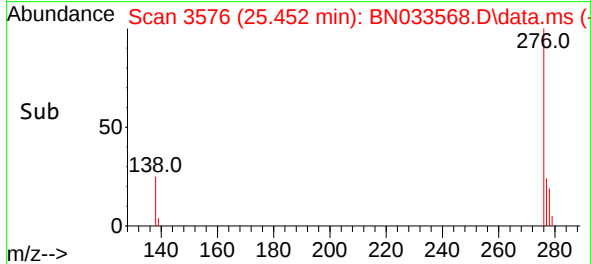
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924



Tgt Ion:276 Resp: 17258
Ion Ratio Lower Upper
276 100
138 25.7 24.4 36.6
277 24.5 19.8 29.6

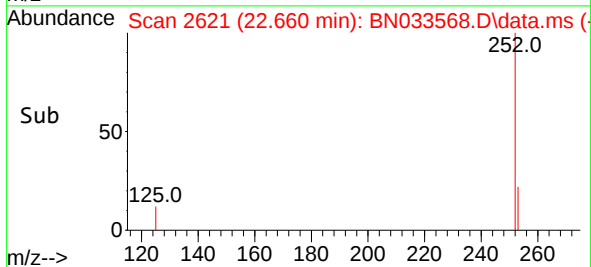
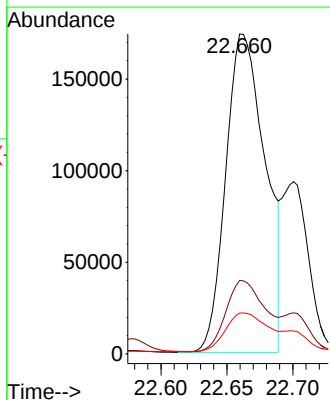
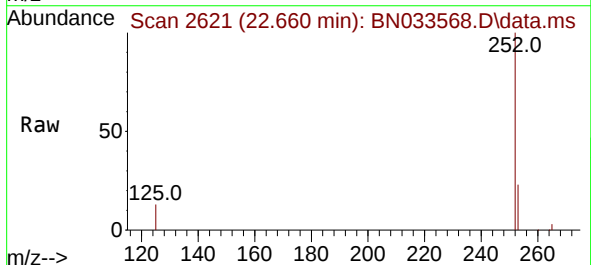
Manual Integrations
APPROVED

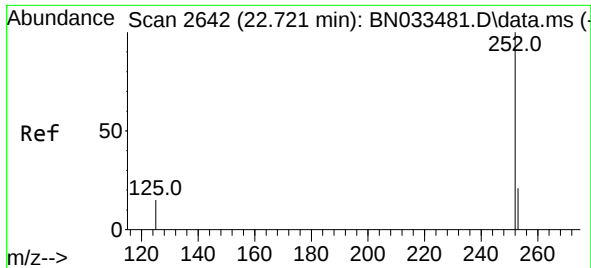
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#37
Benzo(b)fluoranthene
Concen: 5.810 ng
RT: 22.660 min Scan# 2621
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

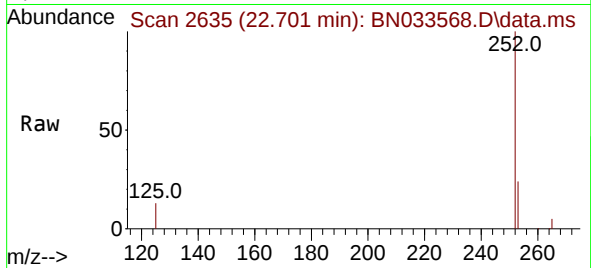
Tgt Ion:252 Resp: 362431
Ion Ratio Lower Upper
252 100
253 23.0 19.8 29.8
125 12.8 13.9 20.9#





#38
Benzo(k)fluoranthene
Concen: 2.157 ng m
RT: 22.701 min Scan# 2635
Delta R.T. -0.003 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

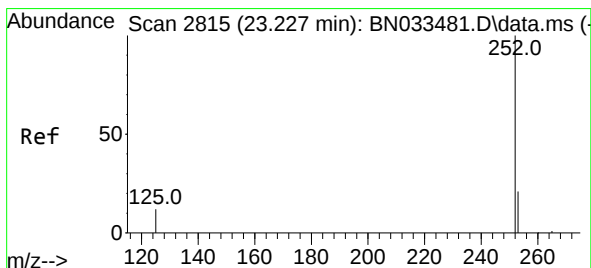
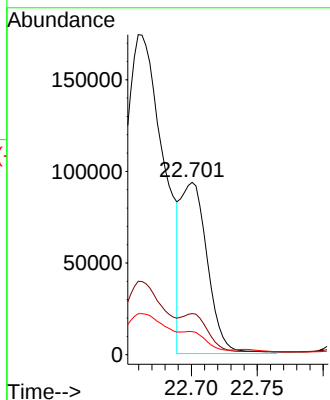
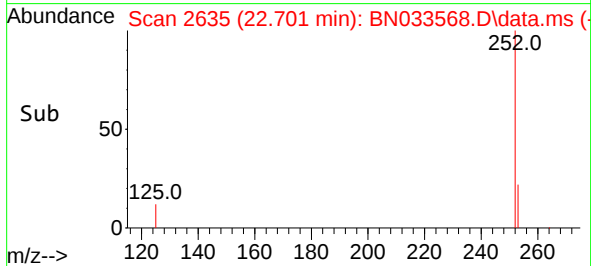
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924



Tgt Ion:252 Resp: 132444
Ion Ratio Lower Upper
252 100
253 23.8 19.8 29.8
125 13.4 15.8 23.8

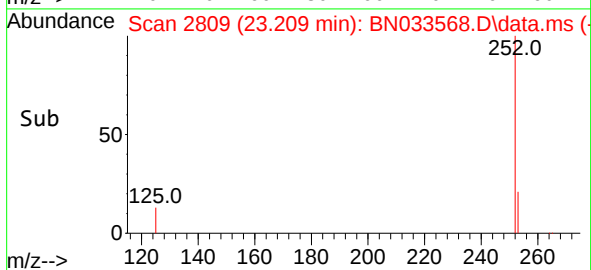
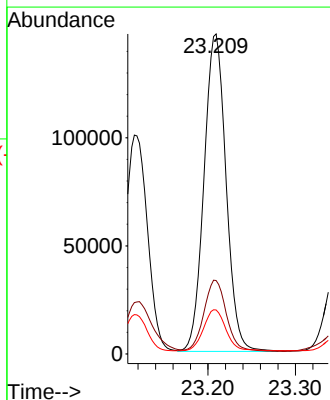
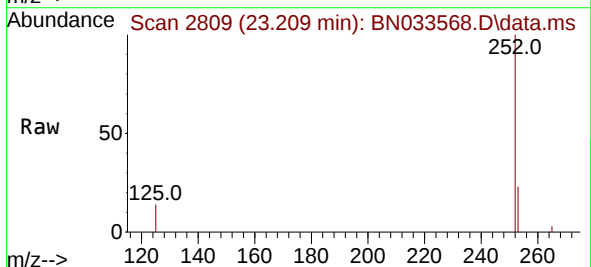
Manual Integrations
APPROVED

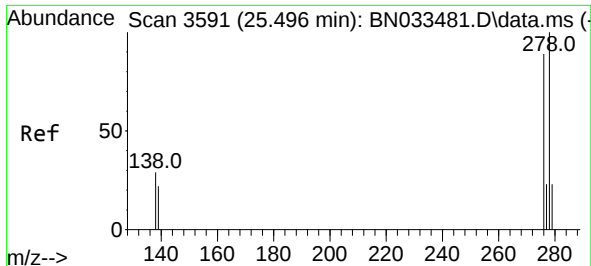
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#39
Benzo(a)pyrene
Concen: 4.973 ng m
RT: 23.209 min Scan# 2809
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

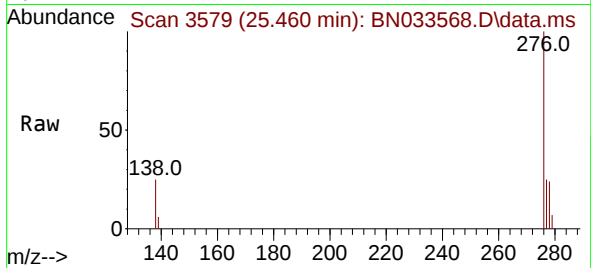
Tgt Ion:252 Resp: 256698
Ion Ratio Lower Upper
252 100
253 22.9 21.5 32.3
125 13.7 17.0 25.4





#40
Dibenzo(a,h)anthracene
Concen: 0.741 ng
RT: 25.460 min Scan# 31
Delta R.T. -0.009 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

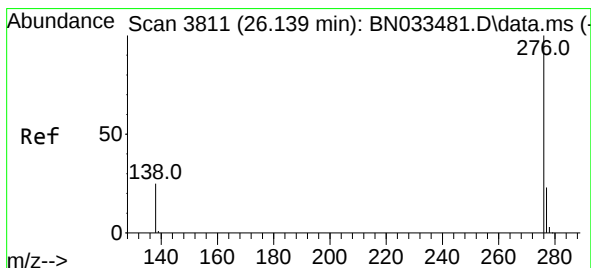
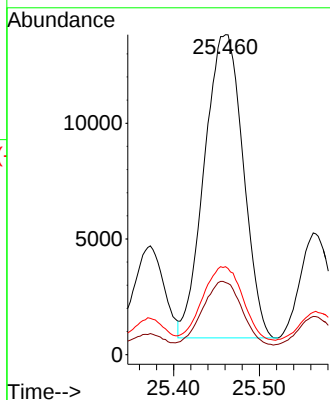
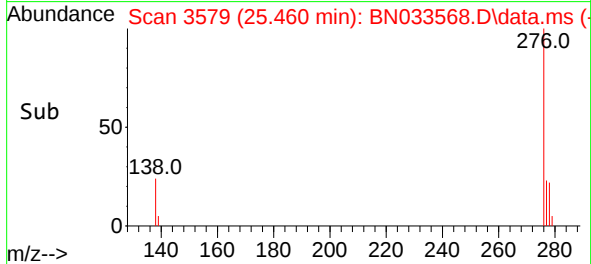
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924



Tgt Ion:278 Resp: 4108
Ion Ratio Lower Upper
278 100
139 22.5 19.1 28.7
279 27.5 21.0 31.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#41
Benzo(g,h,i)perylene
Concen: 2.863 ng
RT: 26.104 min Scan# 3799
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Tgt Ion:276 Resp: 169795
Ion Ratio Lower Upper
276 100
277 24.0 19.7 29.5
138 26.1 21.8 32.6

