

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033592.D
 Acq On : 23 Aug 2024 16:35
 Operator : MA/JU
 Sample : P3671-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-911-K1-SO-0.5-1-081924

Quant Time: Aug 23 17:00:23 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 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	6858	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	18127	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	8708	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	17176	0.400	ng	# 0.00
29) Chrysene-d12	21.139	240	13469m	0.400	ng	0.00
35) Perylene-d12	23.309	264	15412	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	3826	0.176	ng	0.00
5) Phenol-d6	6.736	99	4789	0.185	ng	0.00
8) Nitrobenzene-d5	8.681	82	3749	0.249	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	4676	0.180	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	945	0.202	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	6114	0.172	ng	0.00
27) Fluoranthene-d10	18.970	212	6117	0.148	ng	0.00
31) Terphenyl-d14	19.588	244	4375	0.143	ng	0.00
Target Compounds						
9) Naphthalene	10.357	128	6814	0.141	ng	Qvalue 95
12) 2-Methylnaphthalene	11.979	142	4430	0.144	ng	97
16) Acenaphthylene	13.900	152	11201	0.293	ng	98
17) Acenaphthene	14.242	154	3043	0.113	ng	95
18) Fluorene	15.236	166	4381	0.129	ng	89
25) Phenanthrene	16.967	178	90177	1.887	ng	100
26) Anthracene	17.066	178	14247	0.337	ng	# 93
28) Fluoranthene	19.003	202	226121	4.282	ng	100
30) Pyrene	19.365	202	196785	3.273	ng	# 95
32) Benzo(a)anthracene	21.122	228	94067	1.932	ng	96
33) Chrysene	21.175	228	110803	2.289	ng	97
34) Bis(2-ethylhexyl)phtha...	21.086	149	13515m	0.438	ng	
36) Indeno(1,2,3-cd)pyrene	25.461	276	86711	1.355	ng	# 93
37) Benzo(b)fluoranthene	22.666	252	170173	2.957	ng	97
38) Benzo(k)fluoranthene	22.707	252	57866m	1.021	ng	
39) Benzo(a)pyrene	23.215	252	105296	2.211	ng	93
40) Dibenzo(a,h)anthracene	25.469	278	19717	0.385	ng	# 83
41) Benzo(g,h,i)perylene	26.116	276	86506	1.581	ng	99

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

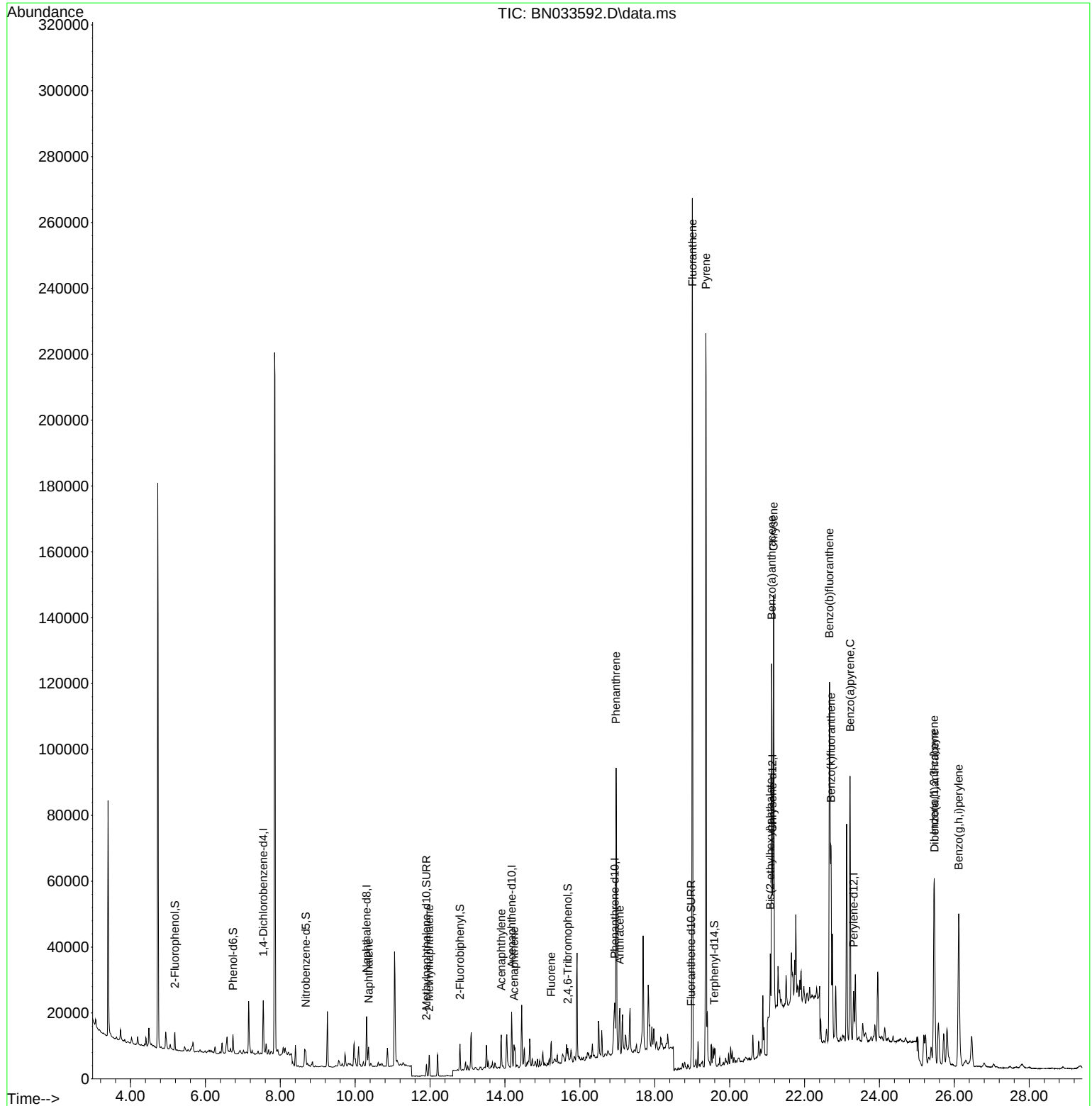
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
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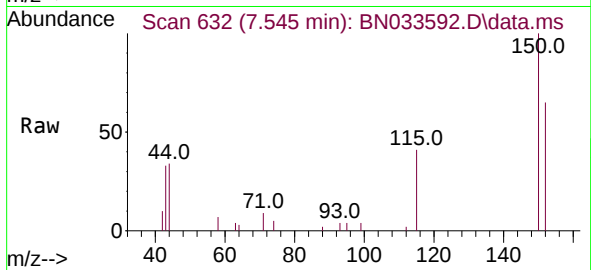
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

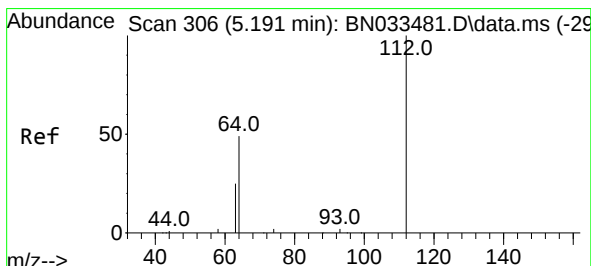
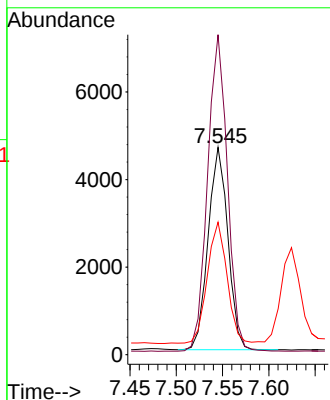
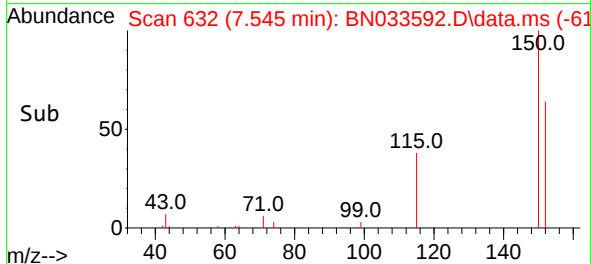
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0.5-1-081924



Tgt Ion:152 Resp: 685
Ion Ratio Lower Upper
152 100
150 154.4 122.2 183.2
115 63.9 47.2 70.8

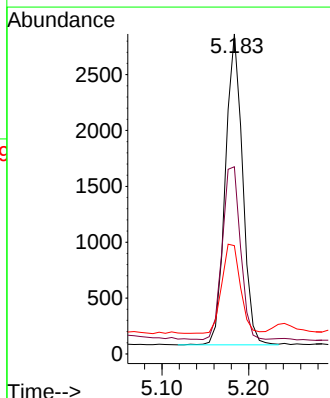
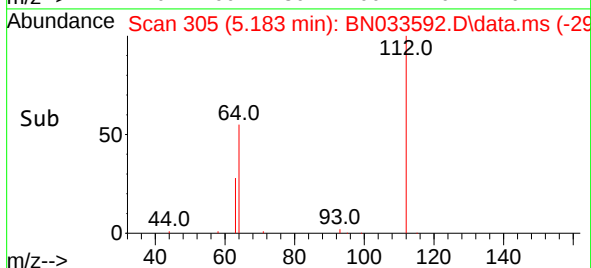
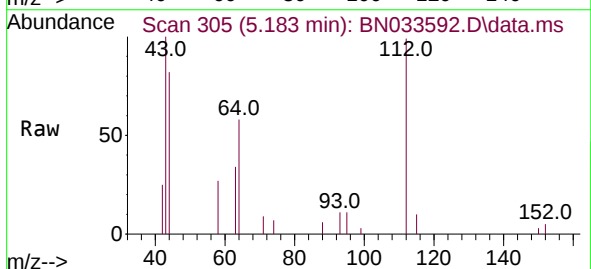
Manual Integrations
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Supervised By :mohammad ahmed 08/29/2024



#4
2-Fluorophenol
Concen: 0.176 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

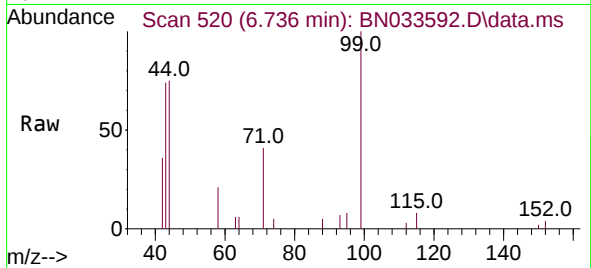
Tgt Ion:112 Resp: 3826
Ion Ratio Lower Upper
112 100
64 58.4 47.1 70.7
63 30.8 24.9 37.3





#5
Phenol-d6
Concen: 0.185 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

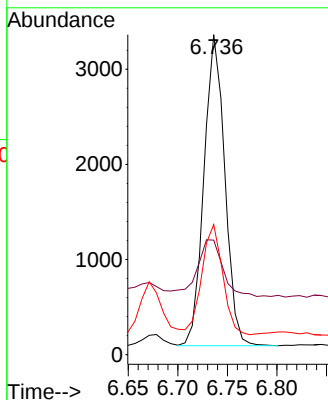
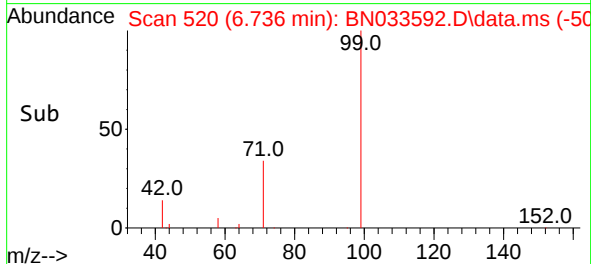
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0.5-1-081924



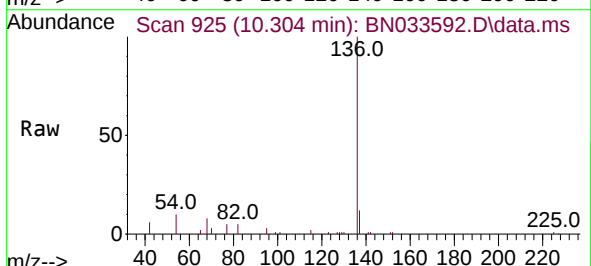
Tgt Ion: 99 Resp: 4789
Ion Ratio Lower Upper
99 100
42 22.2 16.6 24.8
71 35.3 26.2 39.4

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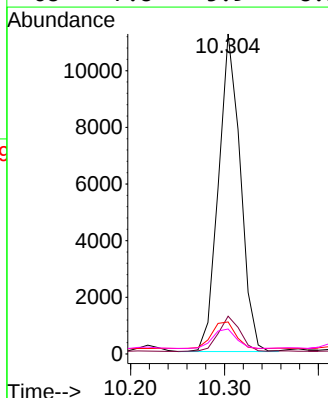
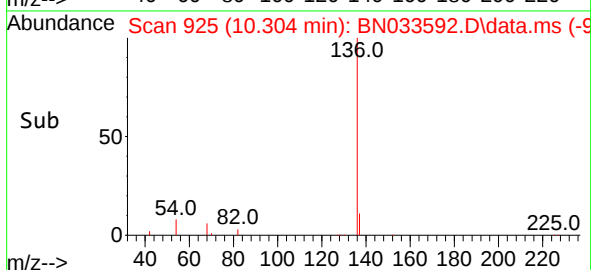
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35



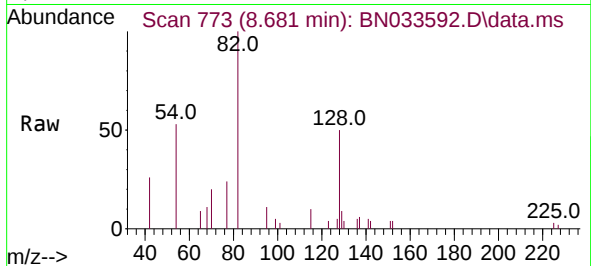
Tgt Ion:136 Resp: 18127
Ion Ratio Lower Upper
136 100
137 11.8 9.0 13.6
54 10.0 8.3 12.5
68 7.8 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.249 ng
RT: 8.681 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

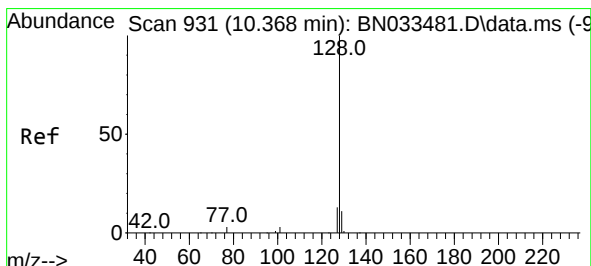
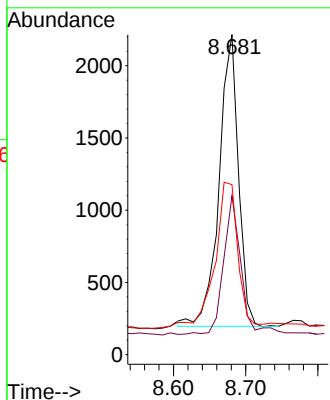
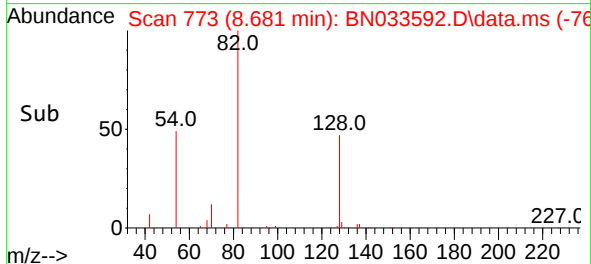
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0.5-1-081924



Tgt Ion: 82 Resp: 3749
Ion Ratio Lower Upper
82 100
128 49.7 36.0 54.0
54 53.1 42.0 63.0

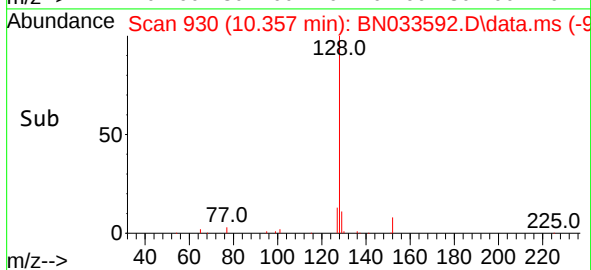
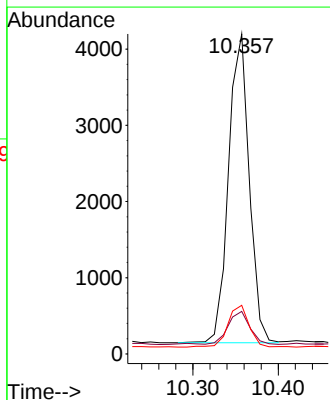
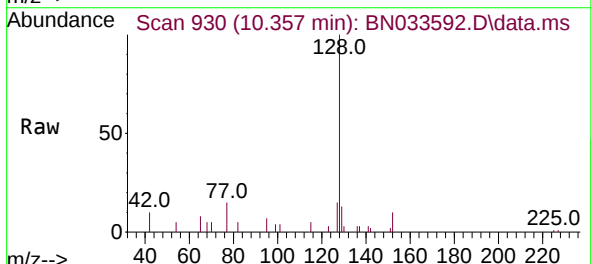
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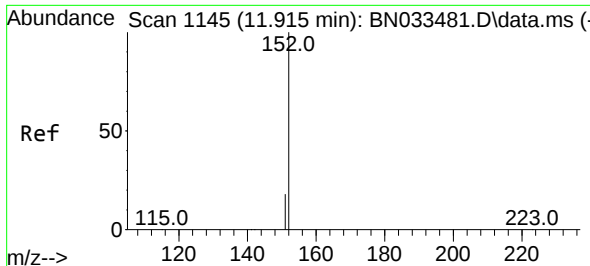
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#9
Naphthalene
Concen: 0.141 ng
RT: 10.357 min Scan# 930
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

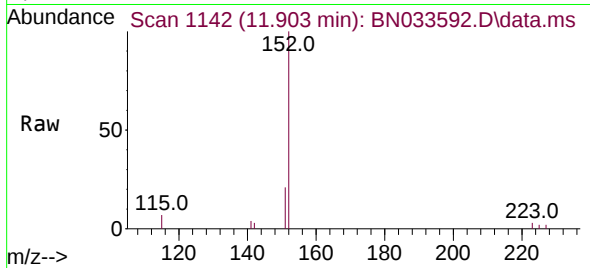
Tgt Ion:128 Resp: 6814
Ion Ratio Lower Upper
128 100
129 13.3 9.1 13.7
127 15.2 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.180 ng
RT: 11.903 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

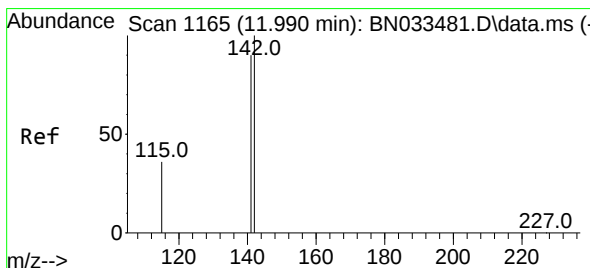
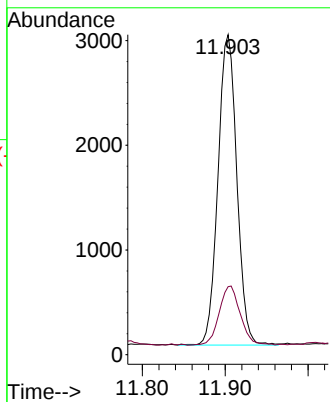
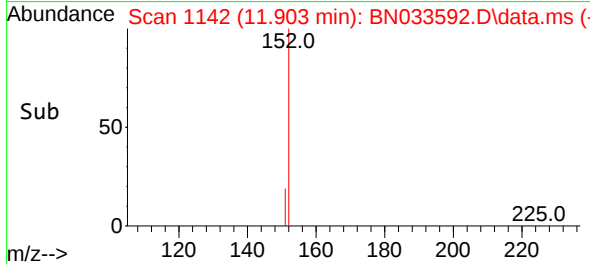
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0.5-1-081924



Tgt Ion:152 Resp: 4670
Ion Ratio Lower Upper
152 100
151 21.5 16.6 25.0

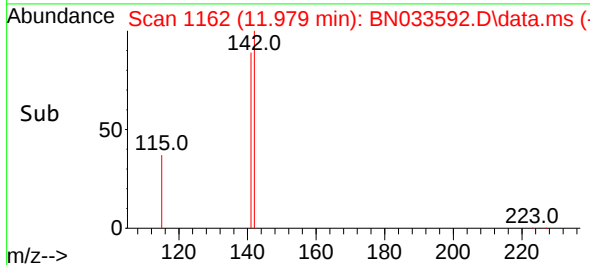
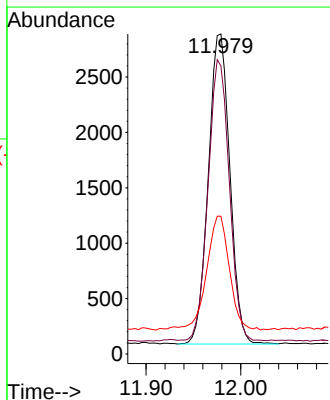
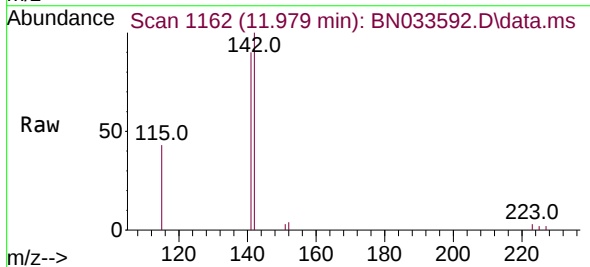
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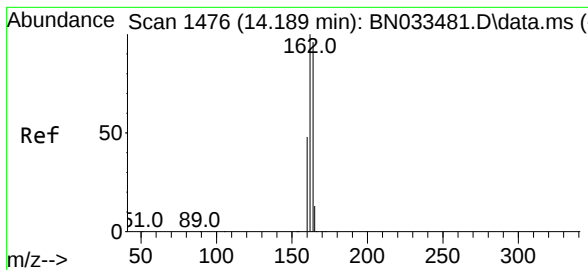
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#12
2-Methylnaphthalene
Concen: 0.144 ng
RT: 11.979 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

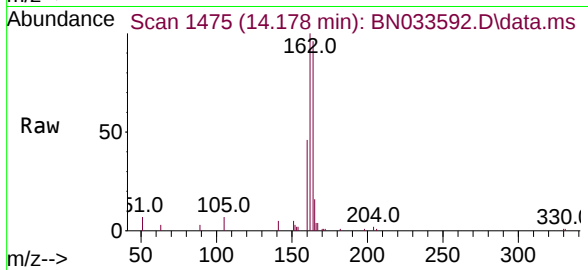
Tgt Ion:142 Resp: 4430
Ion Ratio Lower Upper
142 100
141 90.1 71.7 107.5
115 43.1 29.4 44.2





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

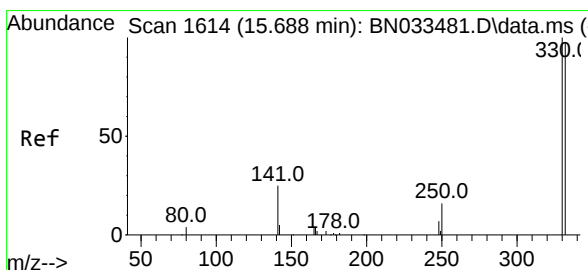
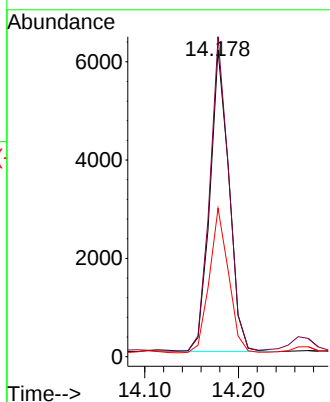
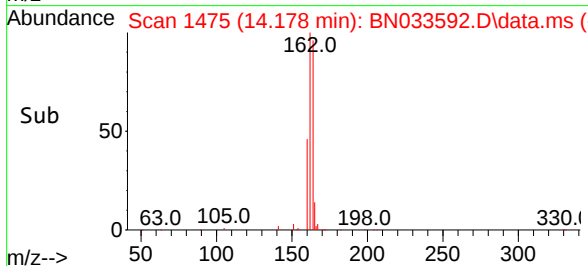
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ClientSampleId :
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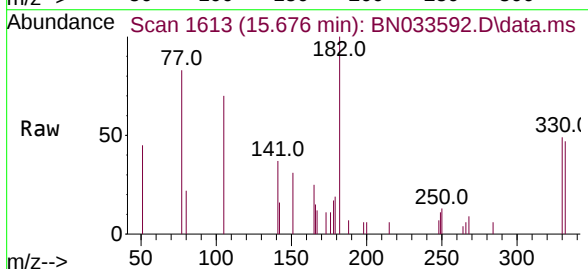
Tgt Ion:164 Resp: 8708
Ion Ratio Lower Upper
164 100
162 104.3 83.5 125.3
160 48.4 40.2 60.4

Manual Integrations
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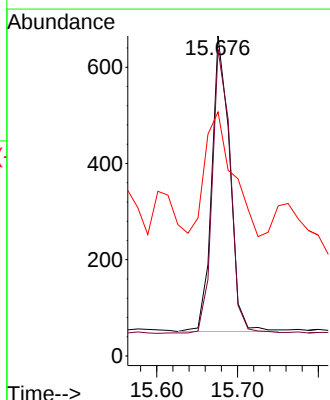
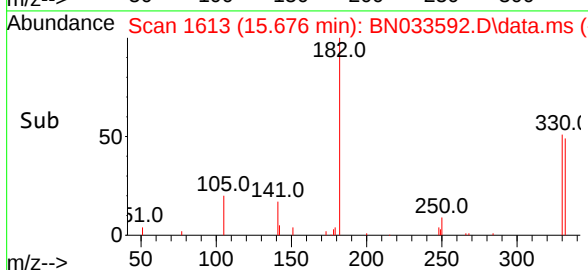
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

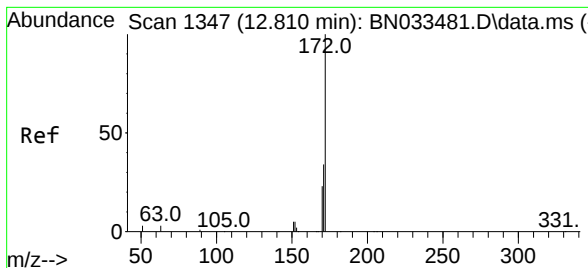


#14
2,4,6-Tribromophenol
Concen: 0.202 ng
RT: 15.676 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35



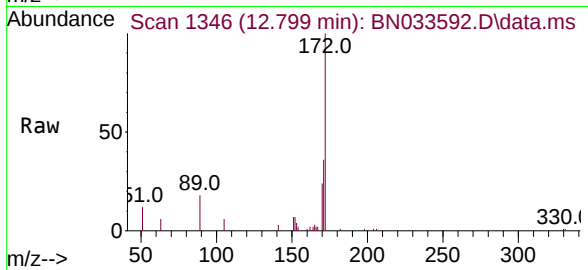
Tgt Ion:330 Resp: 945
Ion Ratio Lower Upper
330 100
332 97.4 77.5 116.3
141 65.1 33.9 50.9#





#15
2-Fluorobiphenyl
Concen: 0.172 ng
RT: 12.799 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

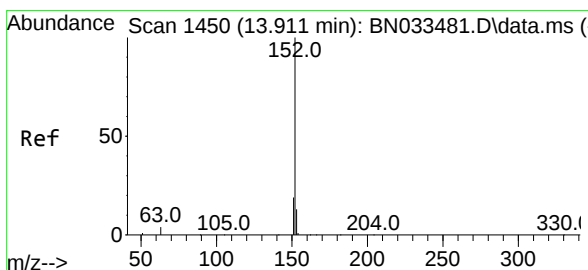
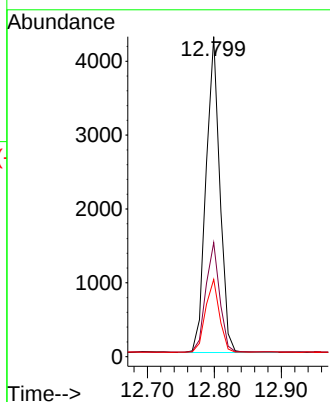
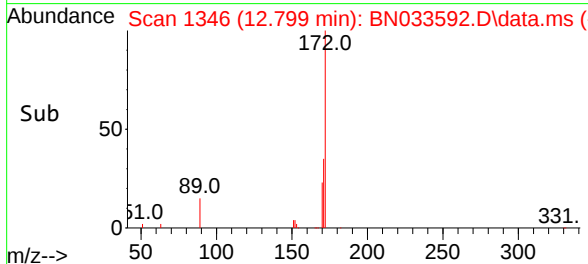
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Tgt Ion:172 Resp: 6114
Ion Ratio Lower Upper
172 100
171 35.7 27.7 41.5
170 24.1 18.3 27.5

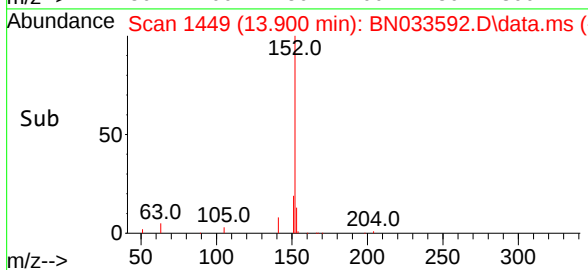
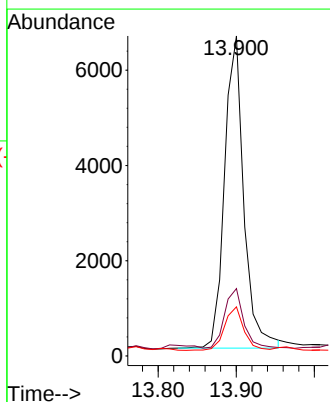
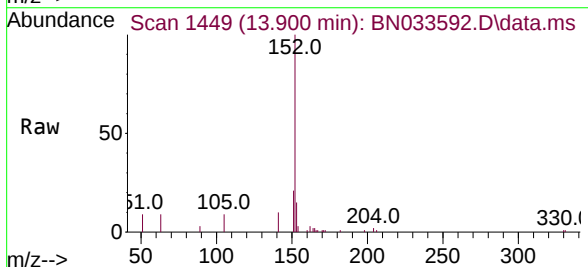
Manual Integrations
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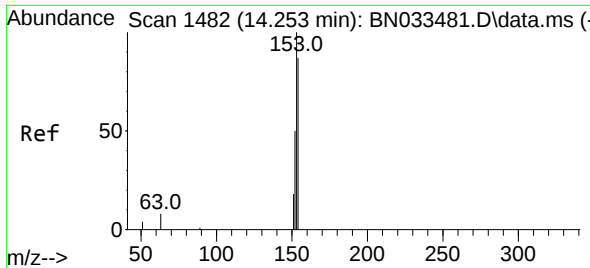
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#16
Acenaphthylene
Concen: 0.293 ng
RT: 13.900 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

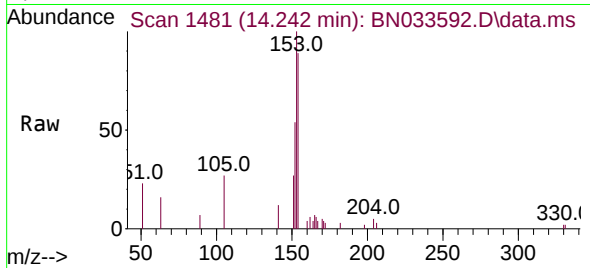
Tgt Ion:152 Resp: 11201
Ion Ratio Lower Upper
152 100
151 18.8 15.7 23.5
153 14.1 10.3 15.5





#17
Acenaphthene
Concen: 0.113 ng
RT: 14.242 min Scan# 1481
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

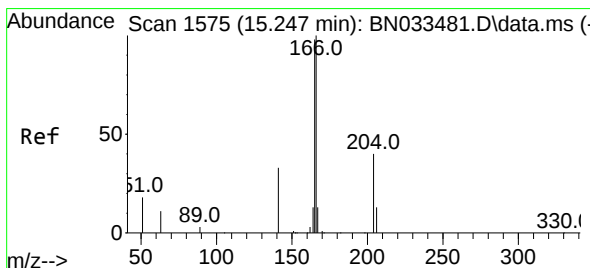
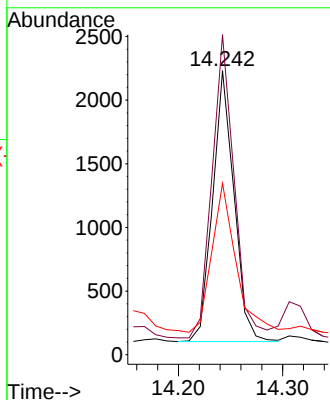
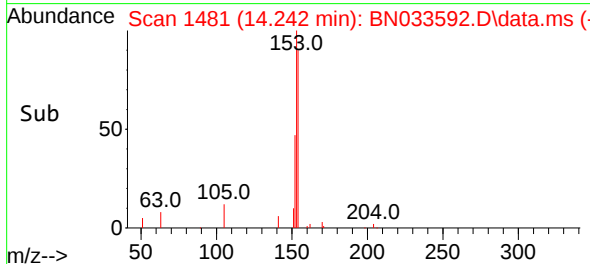
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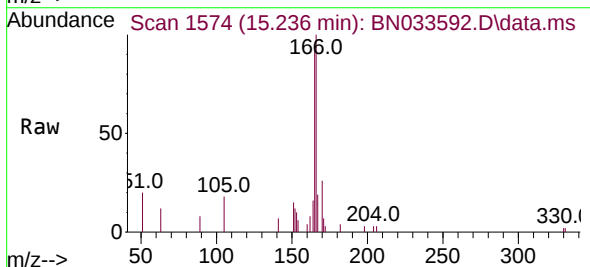
Tgt Ion:154 Resp: 304
Ion Ratio Lower Upper
154 100
153 115.1 89.0 133.6
152 61.5 45.2 67.8

Manual Integrations
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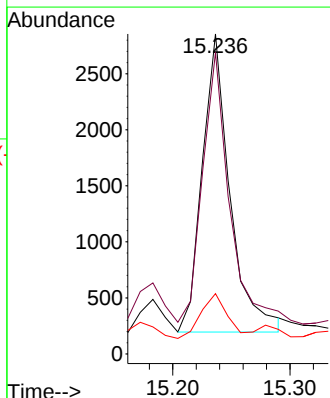
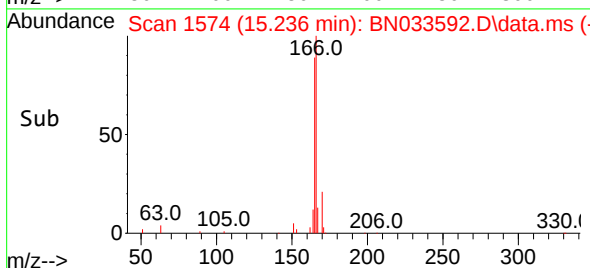
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

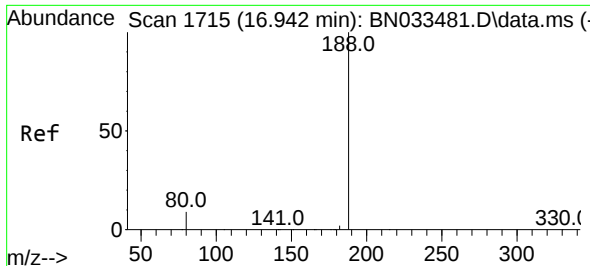


#18
Fluorene
Concen: 0.129 ng
RT: 15.236 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35



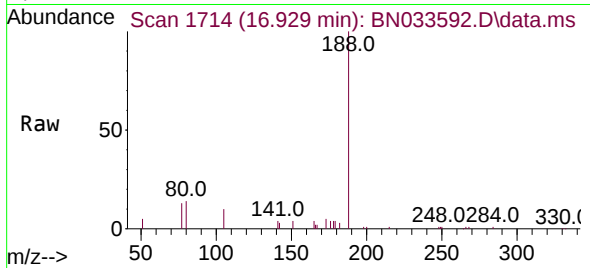
Tgt Ion:166 Resp: 4381
Ion Ratio Lower Upper
166 100
165 86.0 78.2 117.4
167 15.1 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

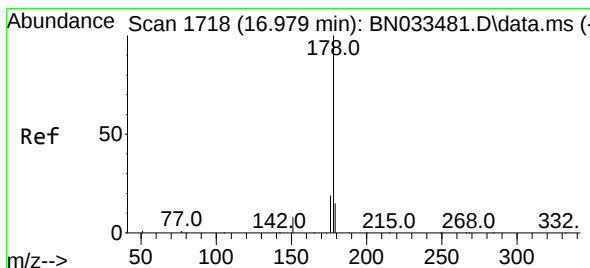
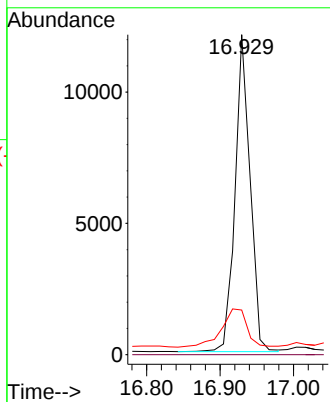
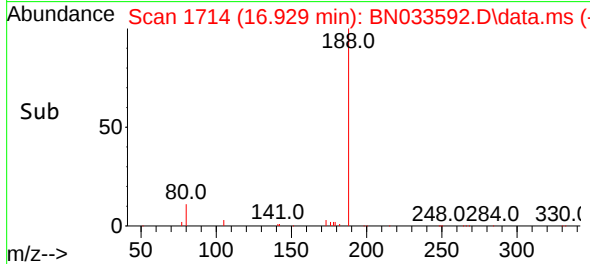
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0.5-1-081924



Tgt Ion:188 Resp: 17170
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.0 7.8 11.8

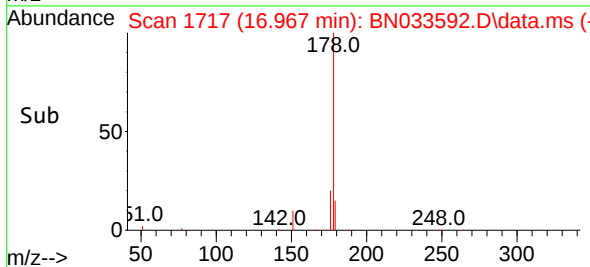
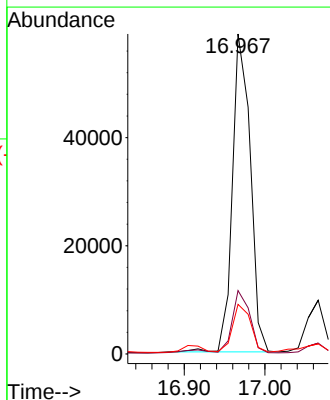
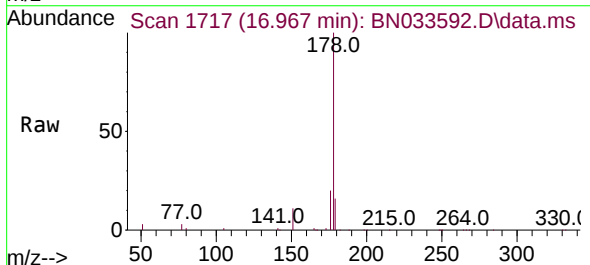
Manual Integrations
APPROVED

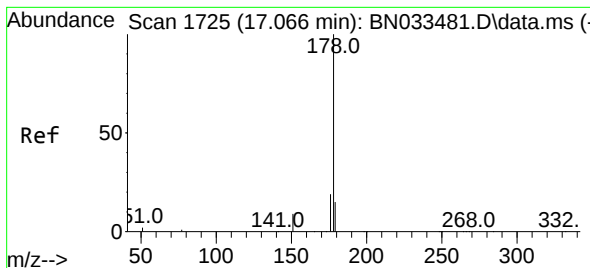
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#25
Phenanthrene
Concen: 1.887 ng
RT: 16.967 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

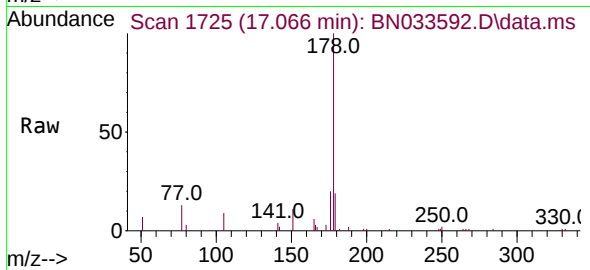
Tgt Ion:178 Resp: 90177
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.0 12.3 18.5





#26
 Anthracene
 Concen: 0.337 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. 0.000 min
 Lab File: BN033592.D
 Acq: 23 Aug 2024 16:35

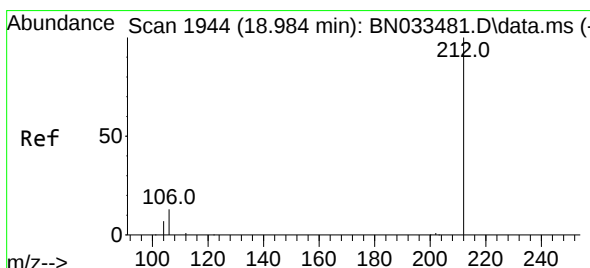
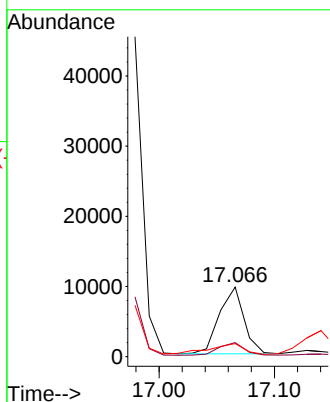
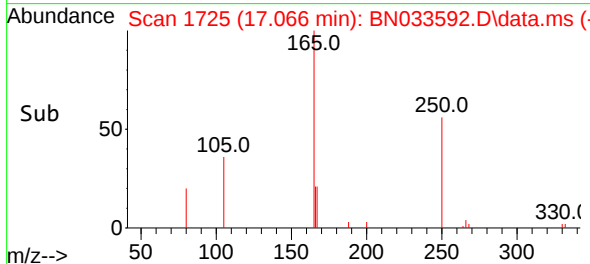
Instrument :
 BNA_N
 ClientSampleId :
 S-911-K1-SO-0.5-1-081924



Tgt Ion:178 Resp: 1424
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.0 22.6
 179 21.2 12.4 18.6

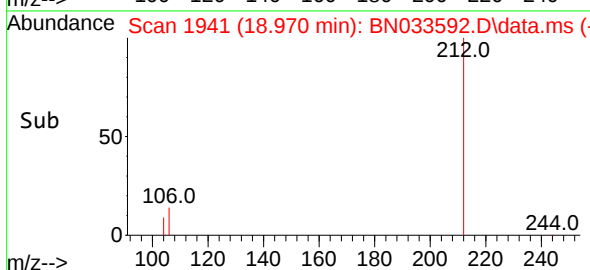
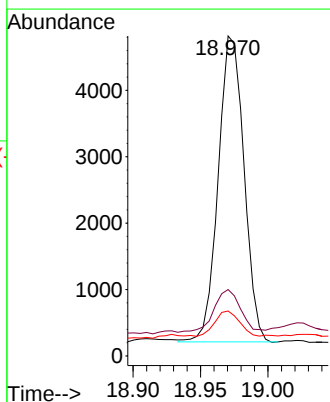
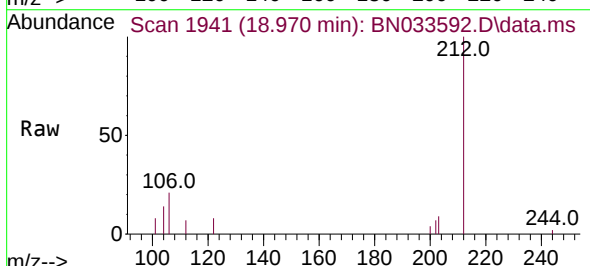
Manual Integrations
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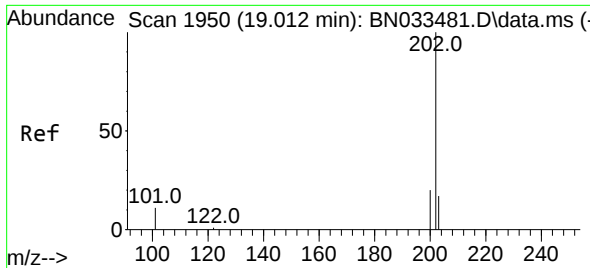
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024



#27
 Fluoranthene-d10
 Concen: 0.148 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. 0.000 min
 Lab File: BN033592.D
 Acq: 23 Aug 2024 16:35

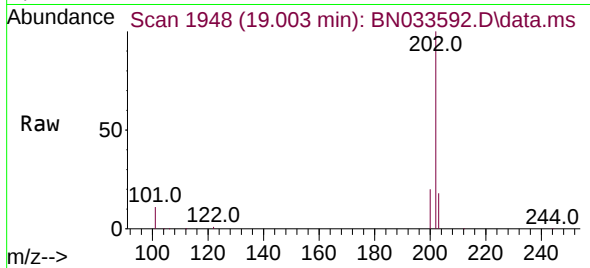
Tgt Ion:212 Resp: 6117
 Ion Ratio Lower Upper
 212 100
 106 14.6 12.3 18.5
 104 8.4 7.0 10.4





#28
Fluoranthene
Concen: 4.282 ng
RT: 19.003 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

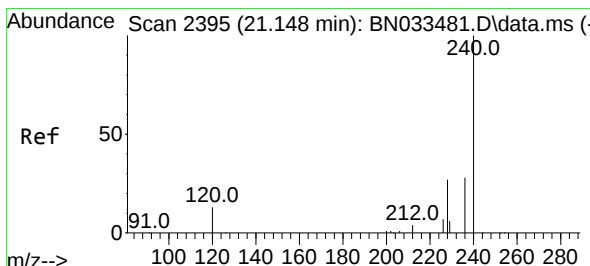
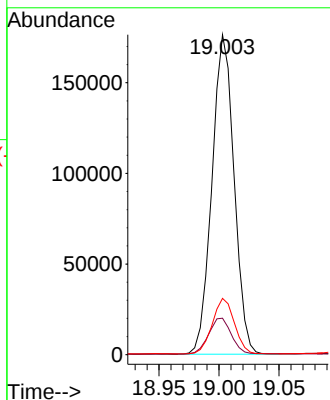
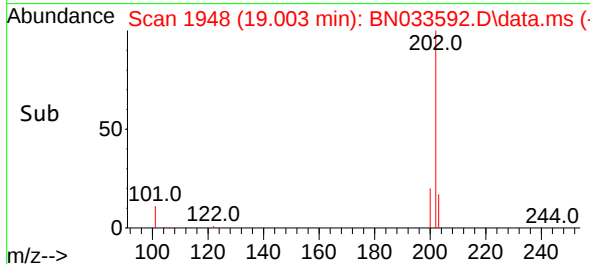
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0.5-1-081924



Tgt Ion:202 Resp: 22612
Ion Ratio Lower Upper
202 100
101 11.7 9.5 14.3
203 17.3 13.8 20.6

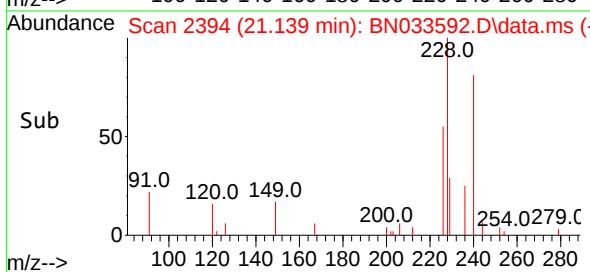
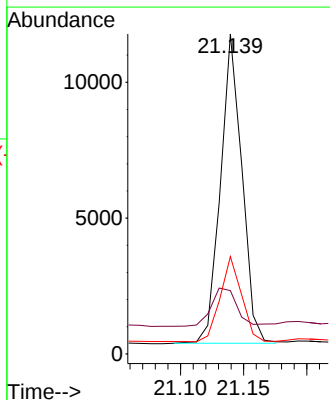
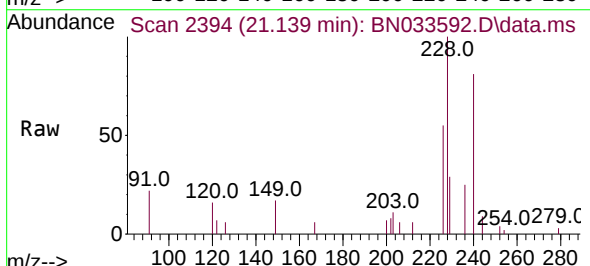
Manual Integrations
APPROVED

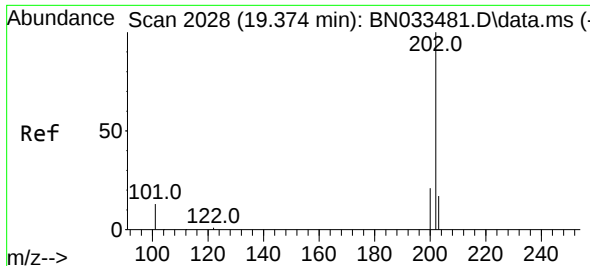
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.139 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

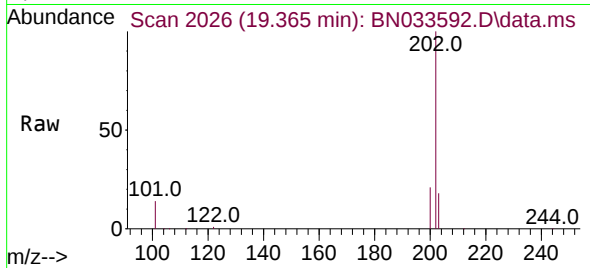
Tgt Ion:240 Resp: 13469
Ion Ratio Lower Upper
240 100
120 19.8 12.4 18.6#
236 30.4 23.0 34.6





#30
Pyrene
Concen: 3.273 ng
RT: 19.365 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

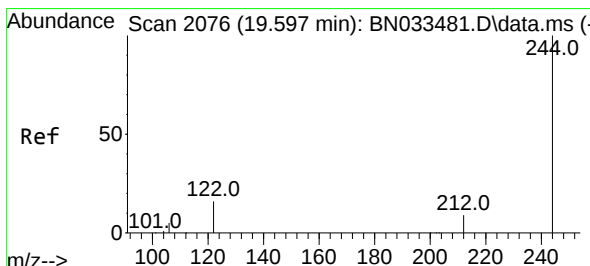
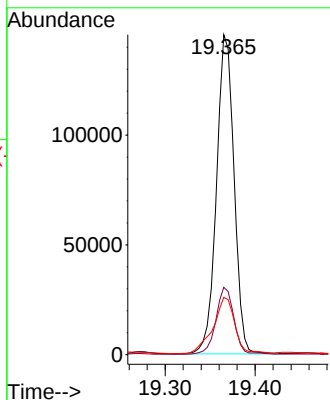
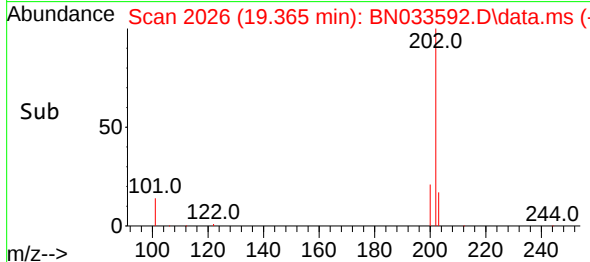
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0.5-1-081924



Tgt Ion:202 Resp: 196785
Ion Ratio Lower Upper
202 100
200 21.4 16.6 24.8
203 21.6 14.2 21.4

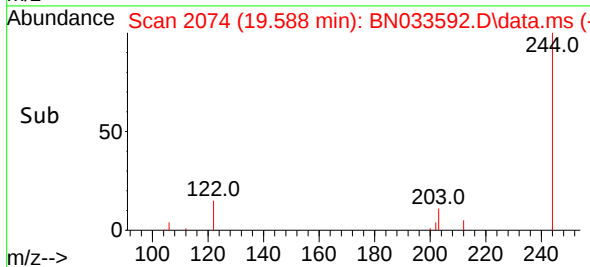
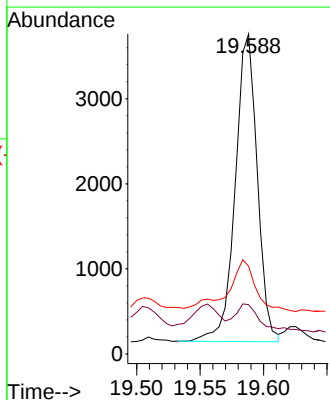
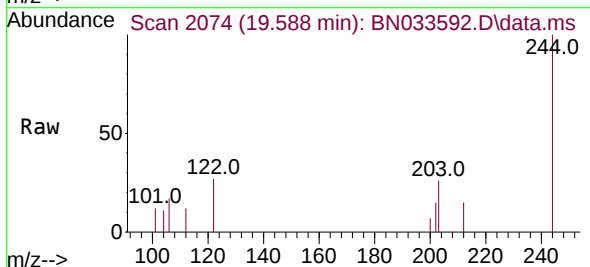
Manual Integrations
APPROVED

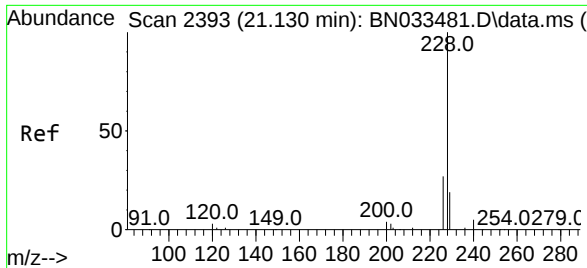
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#31
Terphenyl-d14
Concen: 0.143 ng
RT: 19.588 min Scan# 2074
Delta R.T. 0.005 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

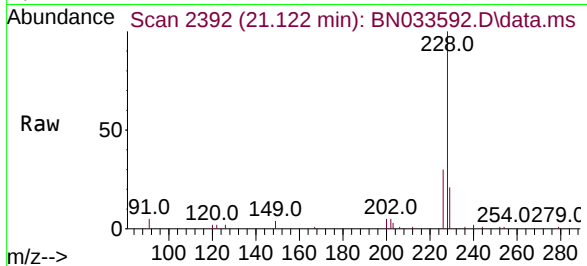
Tgt Ion:244 Resp: 4375
Ion Ratio Lower Upper
244 100
212 15.4 7.8 11.6#
122 27.4 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 1.932 ng
RT: 21.122 min Scan# 21122
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

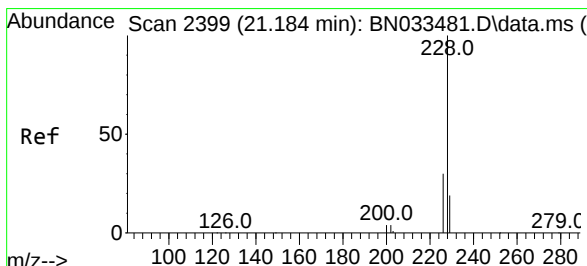
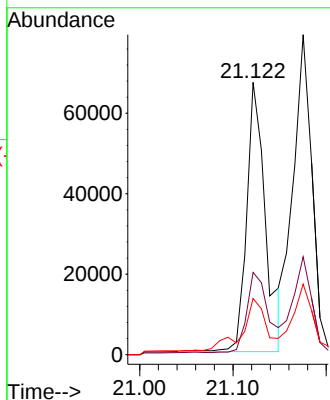
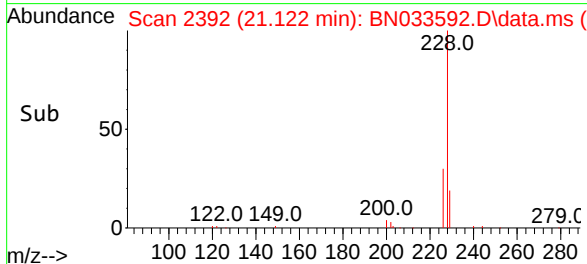
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0.5-1-081924



Tgt Ion:228 Resp: 9406
Ion Ratio Lower Upper
228 100
226 30.2 21.8 32.6
229 20.6 15.8 23.6

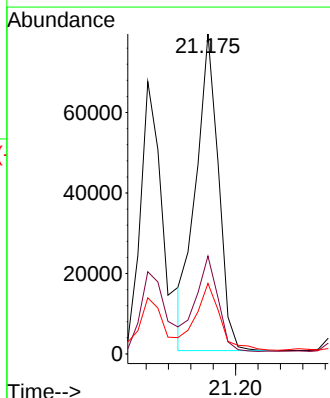
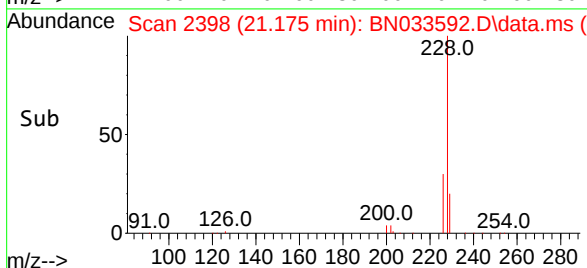
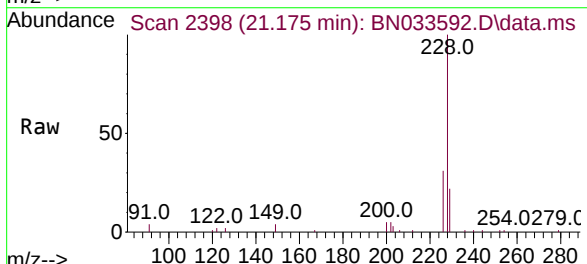
Manual Integrations
APPROVED

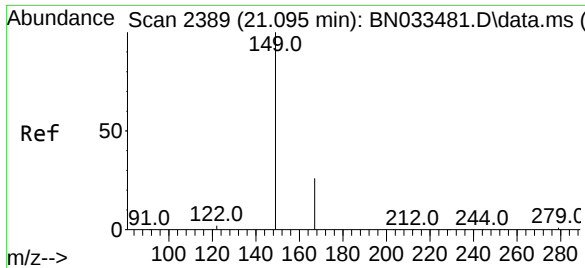
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#33
Chrysene
Concen: 2.289 ng
RT: 21.175 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

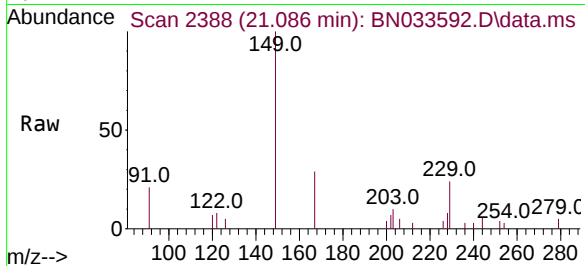
Tgt Ion:228 Resp: 110803
Ion Ratio Lower Upper
228 100
226 30.6 23.8 35.8
229 22.1 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.438 ng m
RT: 21.086 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

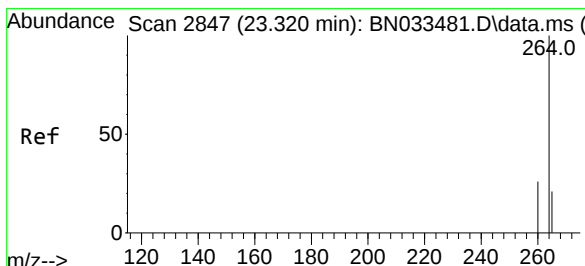
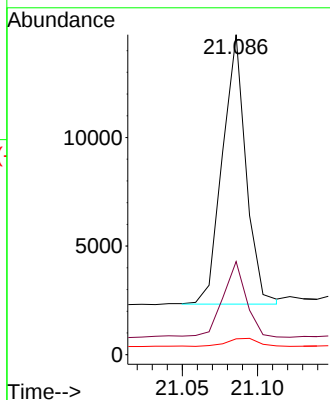
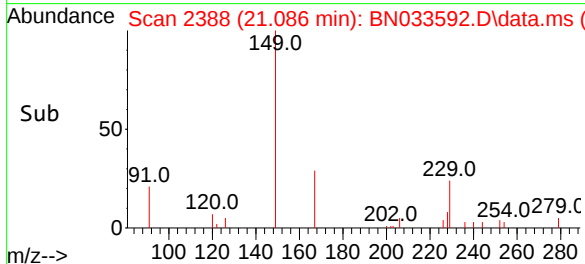
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0.5-1-081924



Tgt Ion:149 Resp: 1351
Ion Ratio Lower Upper
149 100
167 70.5 21.5 32.3
279 24.3 2.2 3.2

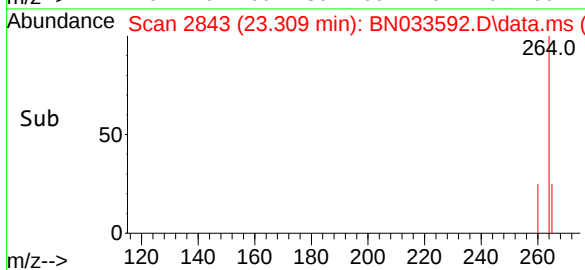
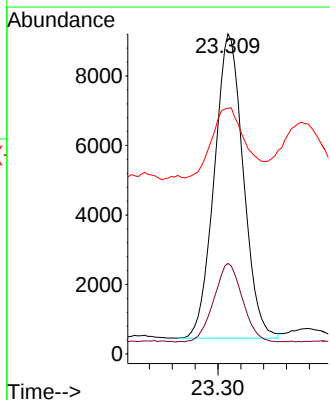
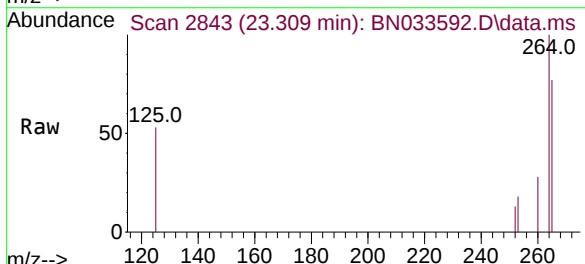
Manual Integrations
APPROVED

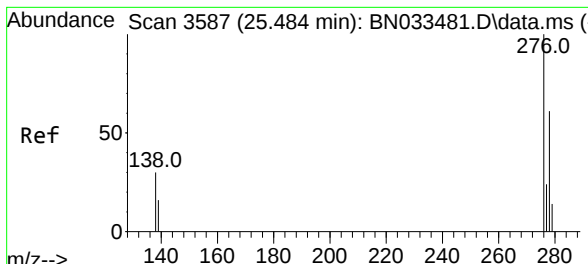
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.309 min Scan# 2843
Delta R.T. 0.006 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

Tgt Ion:264 Resp: 15412
Ion Ratio Lower Upper
264 100
260 28.3 20.8 31.2
265 76.8 52.2 78.2





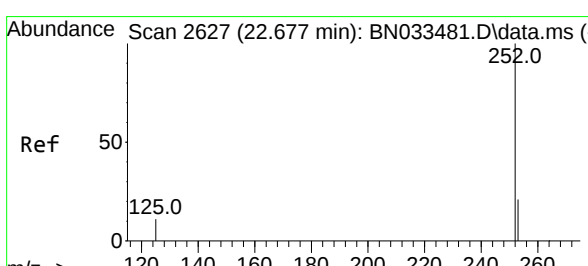
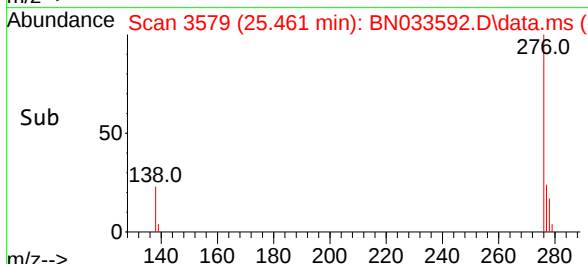
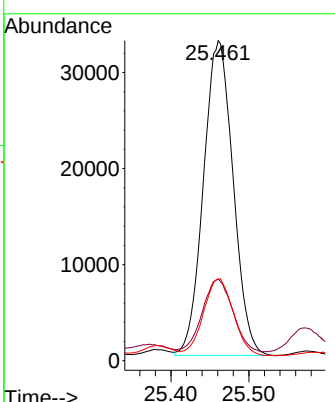
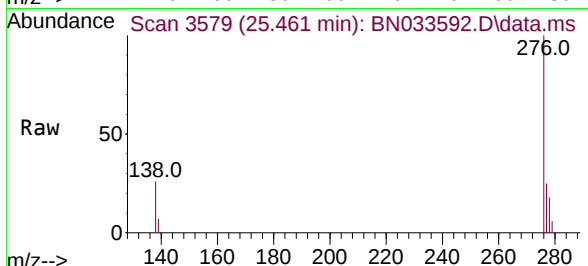
#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.355 ng
 RT: 25.461 min Scan# 3579
 Delta R.T. 0.012 min
 Lab File: BN033592.D
 Acq: 23 Aug 2024 16:35

Instrument : BNA_N
 ClientSampleId : S-911-K1-SO-0.5-1-081924

Tgt Ion: 276 Resp: 8671

Ion	Ratio	Lower	Upper
276	100		
138	23.4	24.4	36.6
277	24.7	19.8	29.6

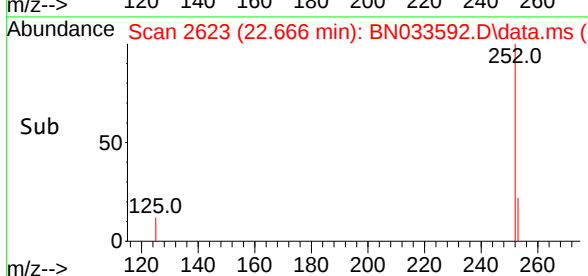
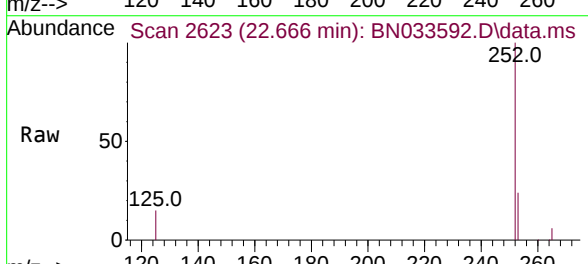
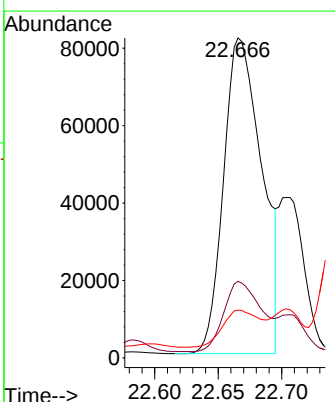
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024

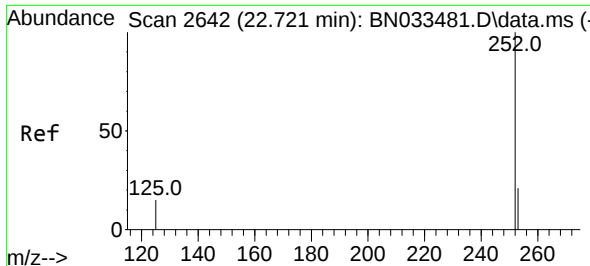


#37
 Benzo(b)fluoranthene
 Concen: 2.957 ng
 RT: 22.666 min Scan# 2623
 Delta R.T. 0.006 min
 Lab File: BN033592.D
 Acq: 23 Aug 2024 16:35

Tgt Ion: 252 Resp: 170173

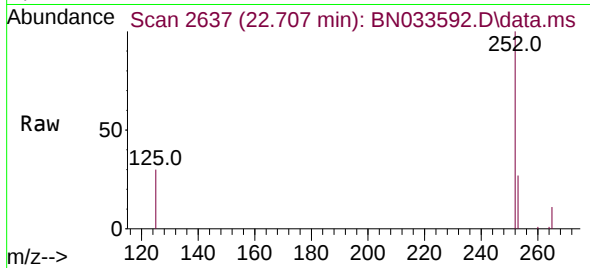
Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.8	29.8
125	14.9	13.9	20.9





#38
Benzo(k)fluoranthene
Concen: 1.021 ng m
RT: 22.707 min Scan# 2637
Delta R.T. 0.003 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

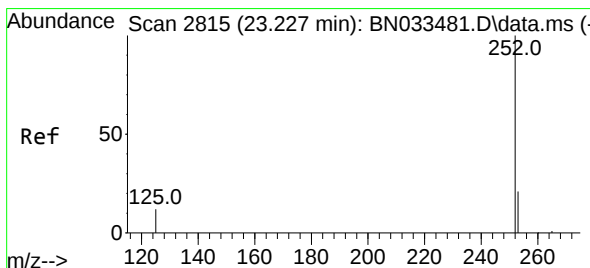
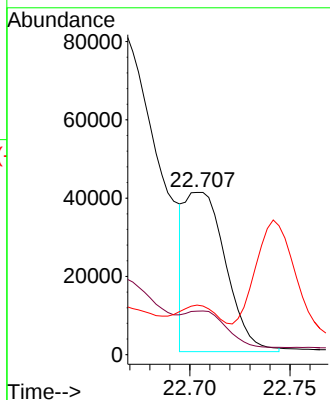
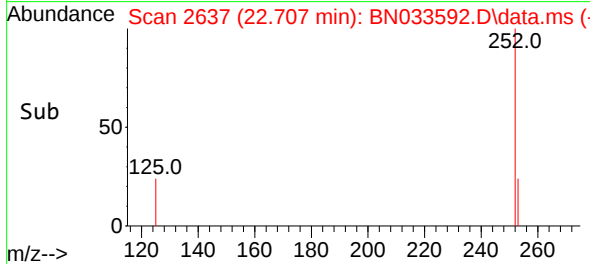
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0.5-1-081924



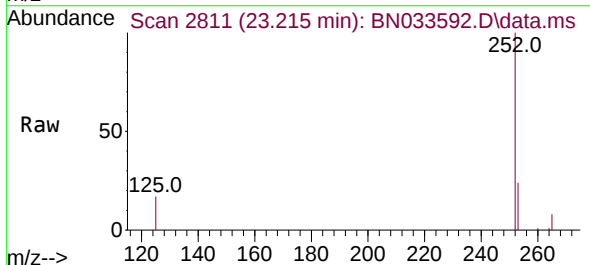
Tgt Ion:252 Resp: 57860
Ion Ratio Lower Upper
252 100
253 26.9 19.8 29.8
125 30.0 15.8 23.8

Manual Integrations
APPROVED

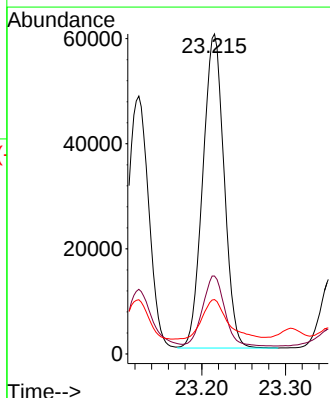
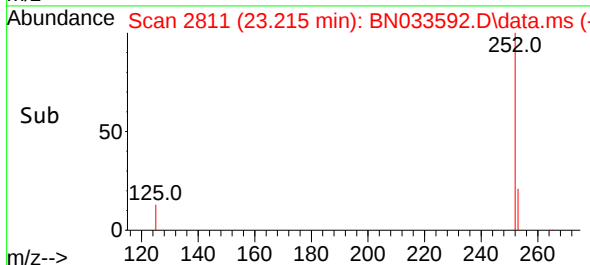
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

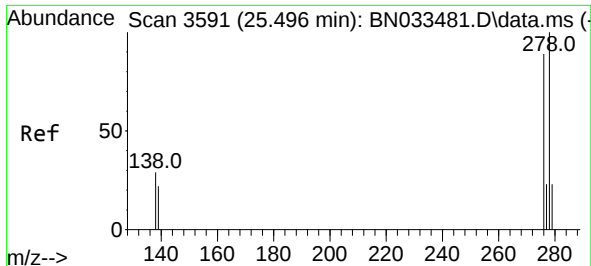


#39
Benzo(a)pyrene
Concen: 2.211 ng
RT: 23.215 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35



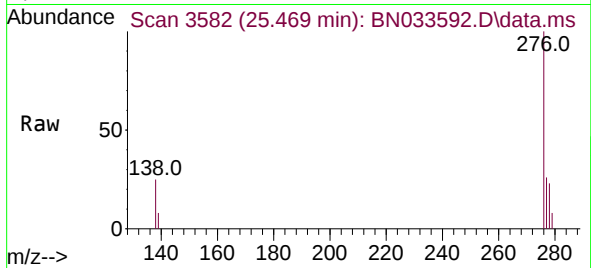
Tgt Ion:252 Resp: 105296
Ion Ratio Lower Upper
252 100
253 24.4 21.5 32.3
125 17.0 17.0 25.4





#40
Dibenzo(a,h)anthracene
Concen: 0.385 ng
RT: 25.469 min Scan# 3000
Delta R.T. 0.000 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

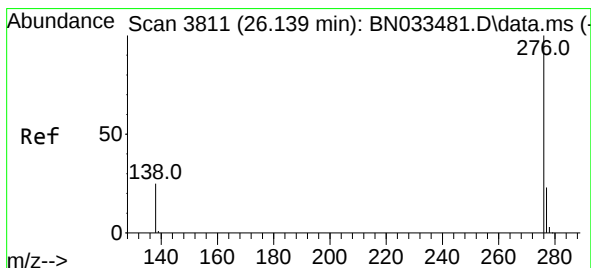
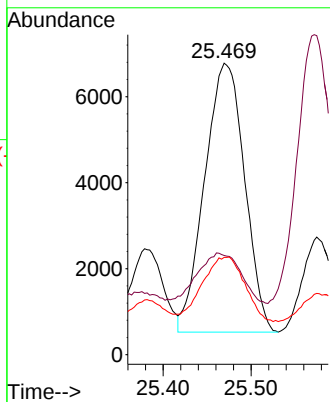
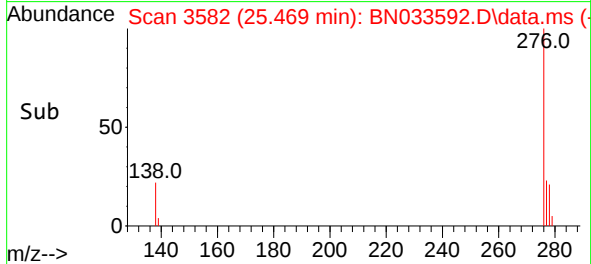
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0.5-1-081924



Tgt Ion:278 Resp: 1971
Ion Ratio Lower Upper
278 100
139 34.0 19.1 28.7
279 33.4 21.0 31.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#41
Benzo(g,h,i)perylene
Concen: 1.581 ng
RT: 26.116 min Scan# 3803
Delta R.T. 0.012 min
Lab File: BN033592.D
Acq: 23 Aug 2024 16:35

Tgt Ion:276 Resp: 86506
Ion Ratio Lower Upper
276 100
277 24.8 19.7 29.5
138 26.2 21.8 32.6

