

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080924\
 Data File : BN033325.D
 Acq On : 09 Aug 2024 20:08
 Operator : MA/JU
 Sample : P3512-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 927-K1-SD-0-0.5-080724

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel
 08/12/2024

Supervised By :mohammad
 ahmed
 08/12/2024

Quant Time: Aug 10 01:09:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 08 04:39:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.587	152	4051	0.400	ng	0.00
7) Naphthalene-d8	10.349	136	11430	0.400	ng	# 0.00
13) Acenaphthene-d10	14.212	164	6221	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	15203	0.400	ng	# 0.00
29) Chrysene-d12	21.175	240	14790	0.400	ng	0.00
35) Perylene-d12	23.355	264	17835	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.204	112	1358	0.127	ng	0.00
5) Phenol-d6	6.757	99	1900	0.130	ng	0.00
8) Nitrobenzene-d5	8.715	82	991	0.142	ng	0.00
11) 2-Methylnaphthalene-d10	11.943	152	1566	0.088	ng	-0.01
14) 2,4,6-Tribromophenol	15.705	330	250	0.099	ng	-0.01
15) 2-Fluorobiphenyl	12.844	172	2234	0.095	ng	0.00
27) Fluoranthene-d10	19.007	212	2687	0.064	ng	0.00
31) Terphenyl-d14	19.625	244	1588	0.062	ng	0.00
Target Compounds						Qvalue
16) Acenaphthylene	13.934	152	1518	0.050	ng	# 97
17) Acenaphthene	14.277	154	934	0.048	ng	# 91
18) Fluorene	15.271	166	1478	0.057	ng	98
25) Phenanthrene	17.008	178	36942	0.840	ng	100
26) Anthracene	17.095	178	4830	0.113	ng	# 93
28) Fluoranthene	19.035	202	132341	2.385	ng	99
30) Pyrene	19.397	202	113549	1.952	ng	96
32) Benzo(a)anthracene	21.157	228	63523	1.106	ng	98
33) Chrysene	21.210	228	74109	1.332	ng	99
34) Bis(2-ethylhexyl)phtha...	21.139	149	1365	0.046	ng	# 86
36) Indeno(1,2,3-cd)pyrene	25.533	276	49877	0.639	ng	94
37) Benzo(b)fluoranthene	22.709	252	108944	1.644	ng	99
38) Benzo(k)fluoranthene	22.750	252	41598m	0.646	ng	
39) Benzo(a)pyrene	23.261	252	67439	1.145	ng	100
40) Dibenzo(a,h)anthracene	25.548	278	9877	0.160	ng	91
41) Benzo(g,h,i)perylene	26.188	276	51763	0.772	ng	99

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

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ALS Vial : 5 Sample Multiplier: 1

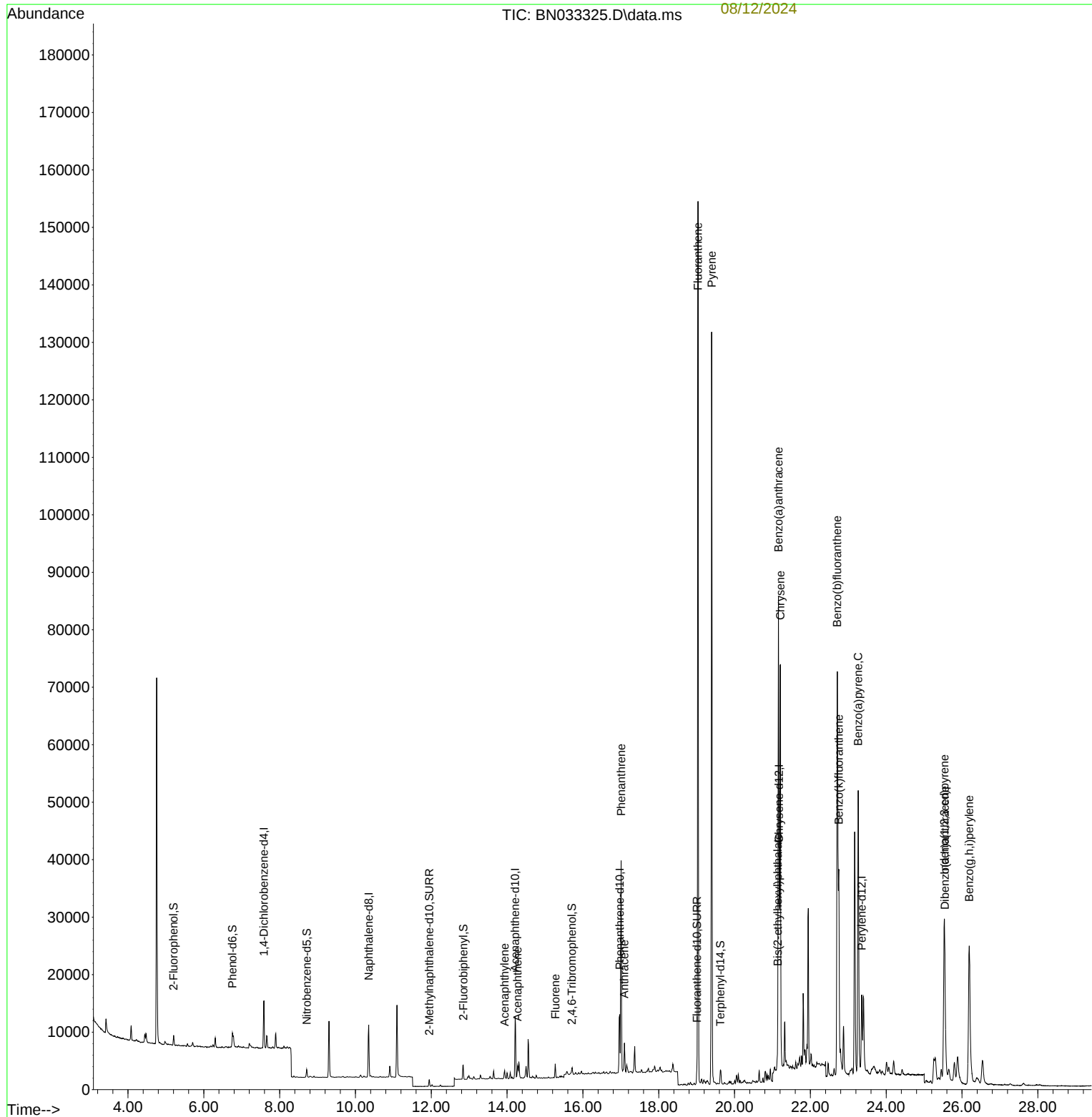
Instrument :
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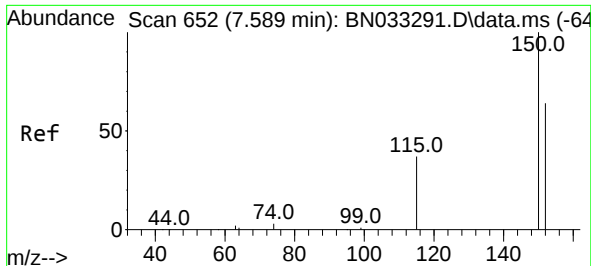
Quant Time: Aug 10 01:09:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080724.M
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Patel
08/12/2024

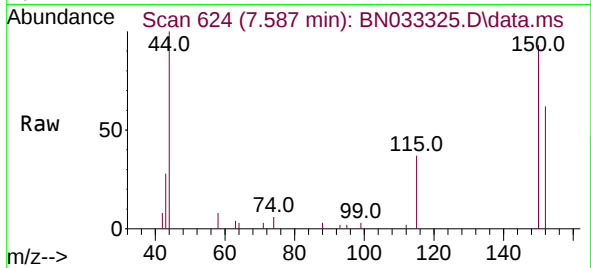
Supervised By :mohammad
ahmed
08/12/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.587 min Scan# 61
Delta R.T. -0.002 min
Lab File: BN033325.D
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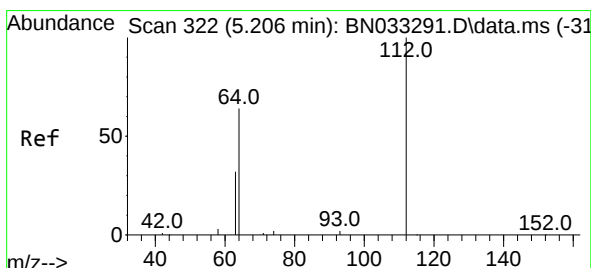
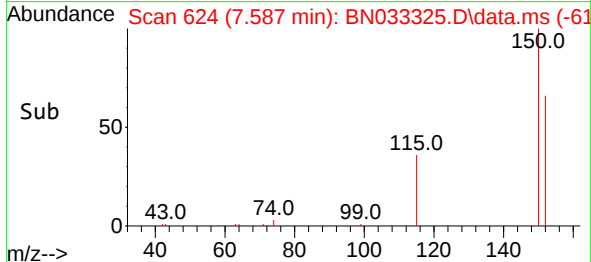
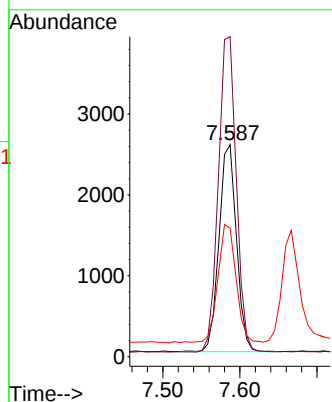


Tgt Ion:152 Resp: 405
Ion Ratio Lower Upper
152 100
150 151.0 120.7 181.1
115 60.6 55.8 83.8

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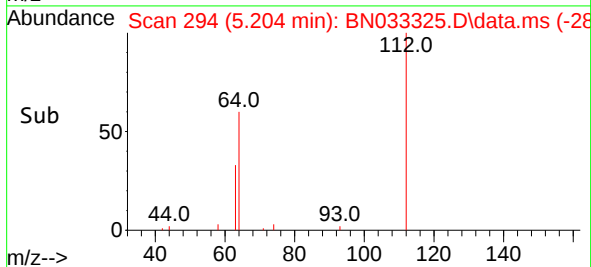
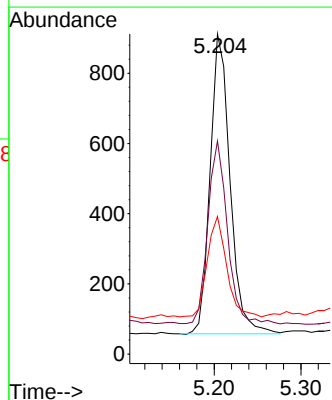
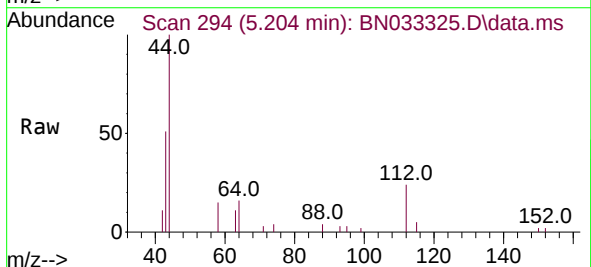
Reviewed By :Yogesh
Patel
08/12/2024

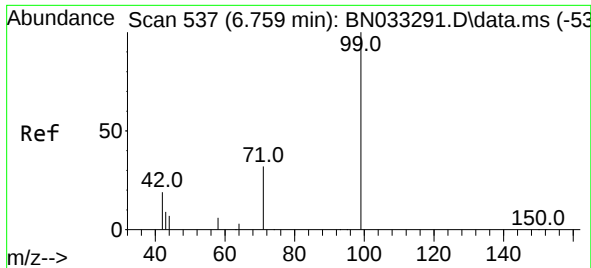
Supervised By :mohammad
ahmed
08/12/2024



#4
2-Fluorophenol
Concen: 0.127 ng
RT: 5.204 min Scan# 294
Delta R.T. -0.002 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

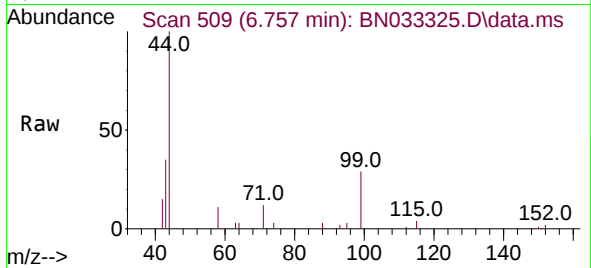
Tgt Ion:112 Resp: 1358
Ion Ratio Lower Upper
112 100
64 59.9 48.7 73.1
63 33.1 25.4 38.2





#5
Phenol-d6
Concen: 0.130 ng
RT: 6.757 min Scan# 509
Delta R.T. -0.002 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

Instrument :
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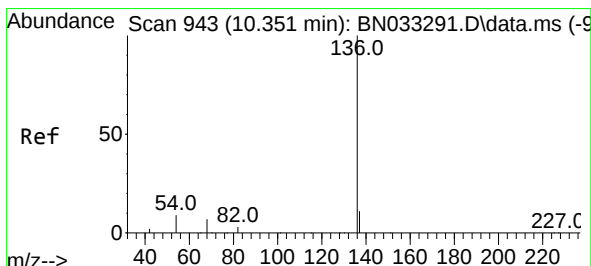
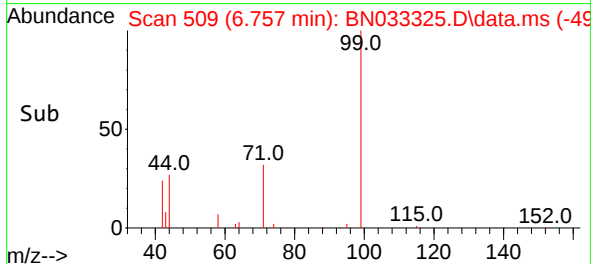
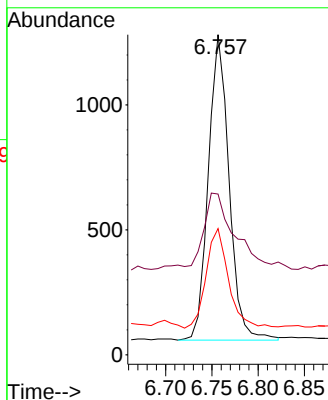


Tgt Ion:	99	Ratio	100	Lower	Upper
99	100				
42	38.9		19.3	28.9	
71	35.3		27.6	41.4	

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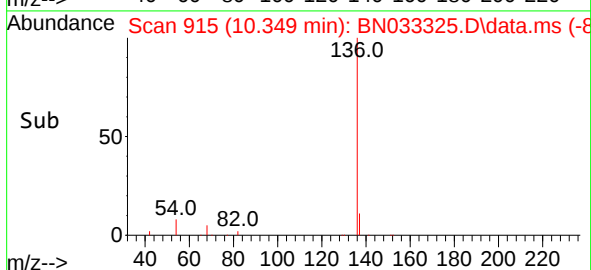
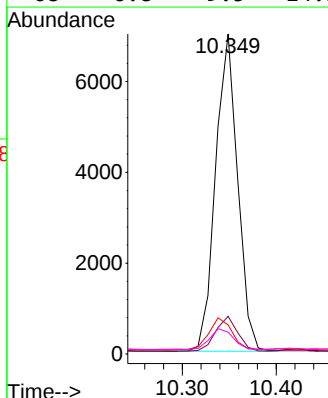
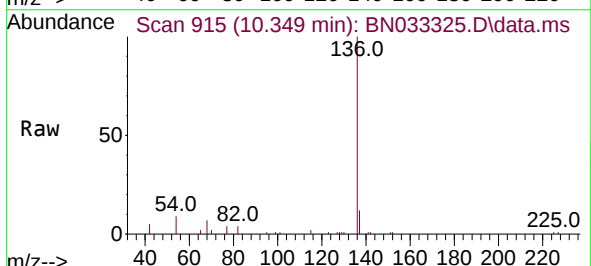
Reviewed By :Yogesh
Patel
08/12/2024

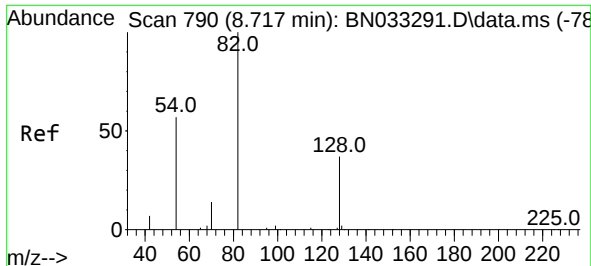
Supervised By :mohammad
ahmed
08/12/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.349 min Scan# 915
Delta R.T. -0.002 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

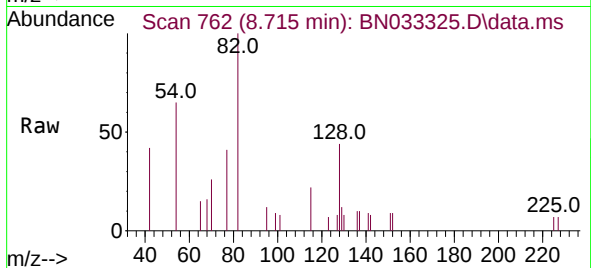
Tgt Ion:	136	Ratio	100	Lower	Upper
136	100				
137	11.7		9.9	14.9	
54	9.0		11.4	17.2	
68	6.8		9.5	14.3	





#8
Nitrobenzene-d5
Concen: 0.142 ng
RT: 8.715 min Scan# 790
Delta R.T. -0.002 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

Instrument :
BNA_N
ClientSampleId :
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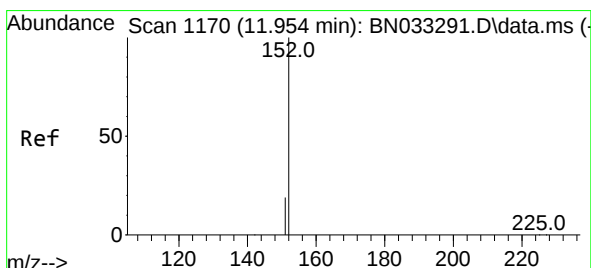
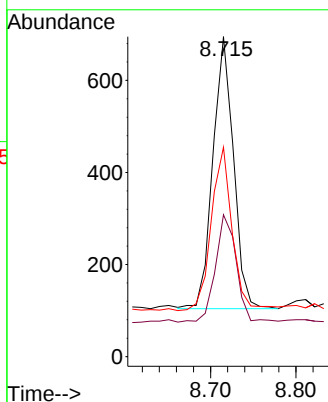
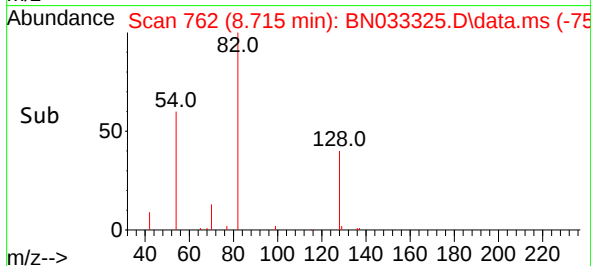


Tgt Ion: 82 Resp: 99
Ion Ratio Lower Upper
82 100
128 44.3 29.4 44.2
54 65.5 50.0 75.0

Manual Integrations
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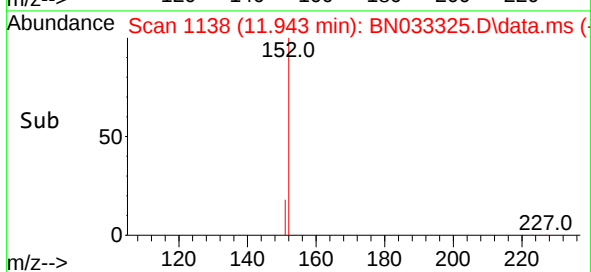
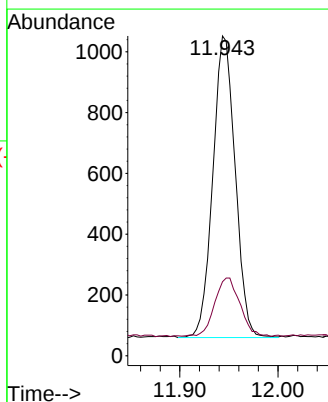
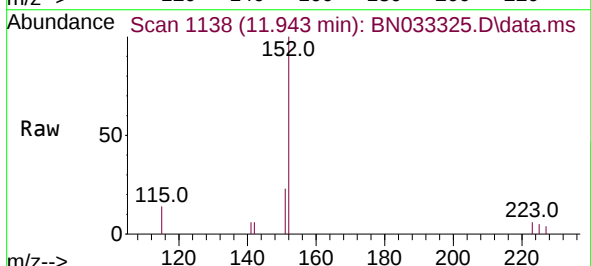
Reviewed By :Yogesh
Patel
08/12/2024

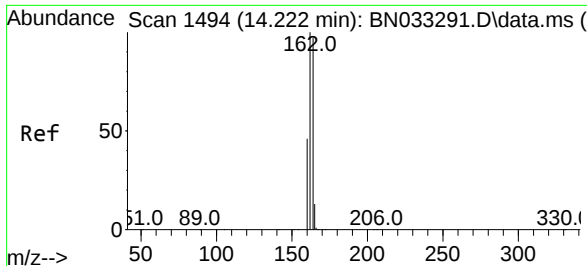
Supervised By :mohammad
ahmed
08/12/2024



#11
2-Methylnaphthalene-d10
Concen: 0.088 ng
RT: 11.943 min Scan# 1138
Delta R.T. -0.010 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

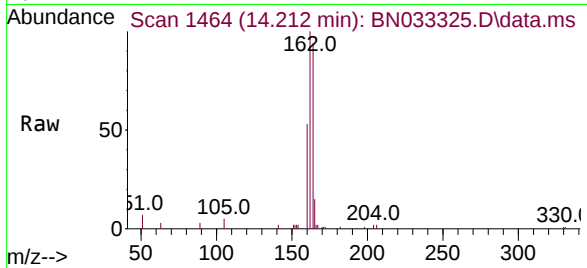
Tgt Ion:152 Resp: 1566
Ion Ratio Lower Upper
152 100
151 22.3 16.7 25.1





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.212 min Scan# 1494
Delta R.T. -0.010 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

Instrument :
BNA_N
ClientSampleId :
927-K1-SD-0-0.5-080724

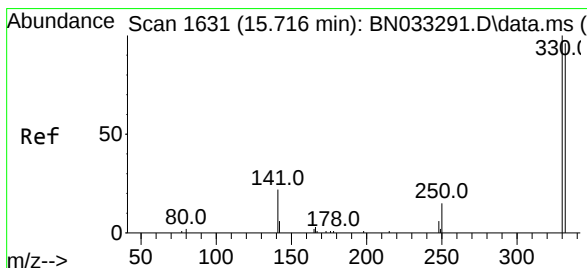
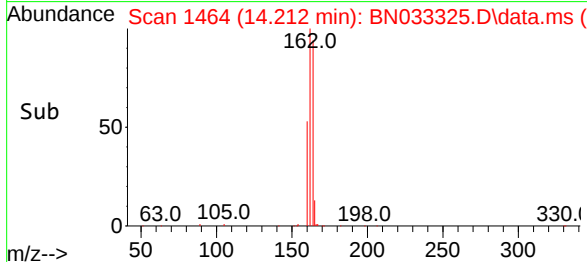
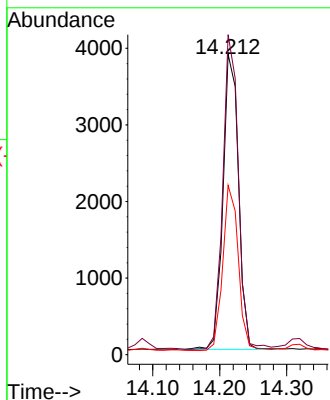


Tgt Ion:164 Resp: 622.0
Ion Ratio Lower Upper
164 100
162 106.5 82.6 124.0
160 56.4 38.2 57.4

Manual Integrations
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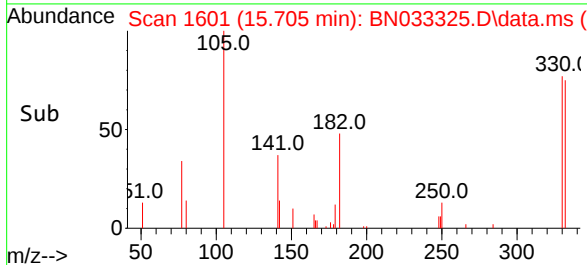
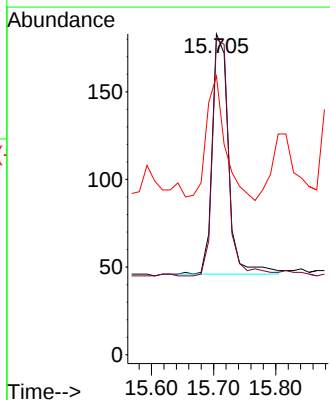
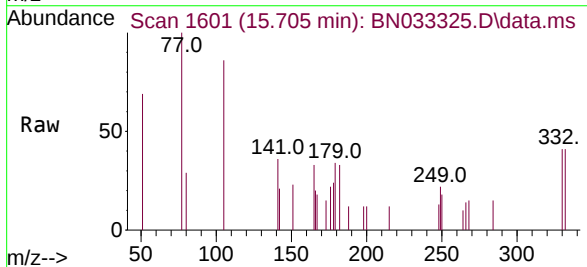
Reviewed By :Yogesh
Patel
08/12/2024

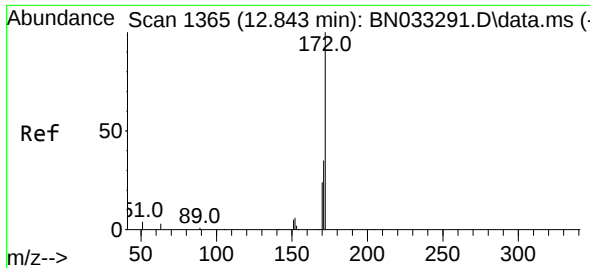
Supervised By :mohammad
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#14
2,4,6-Tribromophenol
Concen: 0.099 ng
RT: 15.705 min Scan# 1601
Delta R.T. -0.011 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

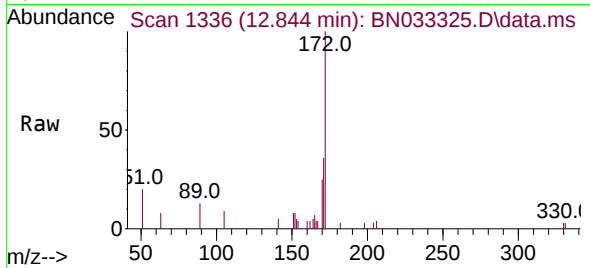
Tgt Ion:330 Resp: 250
Ion Ratio Lower Upper
330 100
332 98.8 75.6 113.4
141 59.6 31.0 46.4#





#15
2-Fluorobiphenyl
Concen: 0.095 ng
RT: 12.844 min Scan# 11
Delta R.T. 0.001 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

Instrument :
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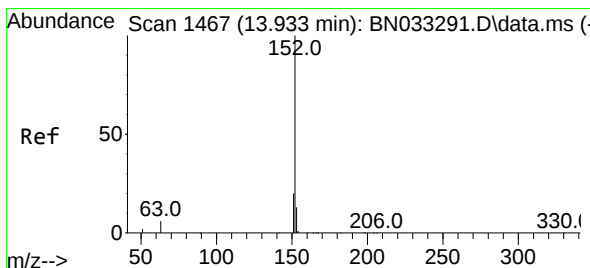
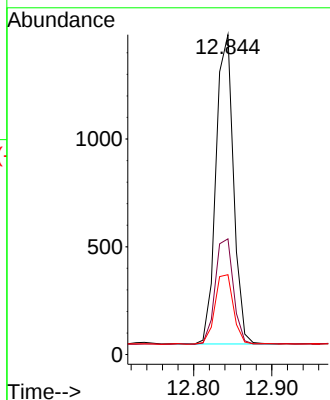
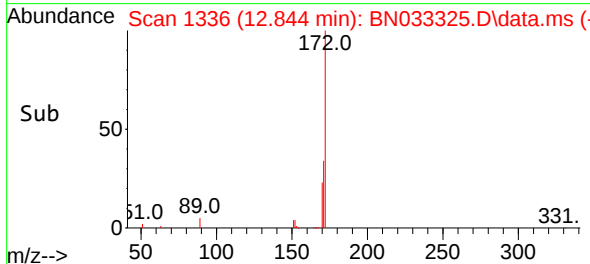


Tgt Ion:172 Resp: 2234
Ion Ratio Lower Upper
172 100
171 36.2 28.3 42.5
170 25.0 19.4 29.2

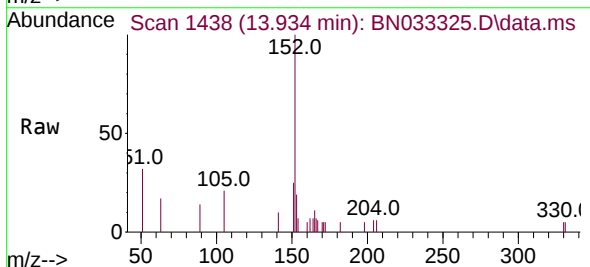
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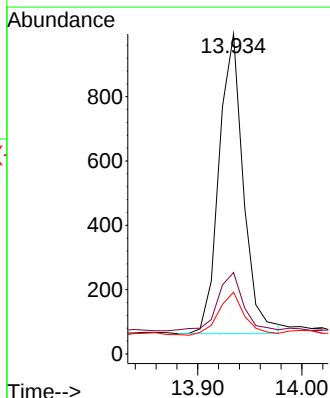
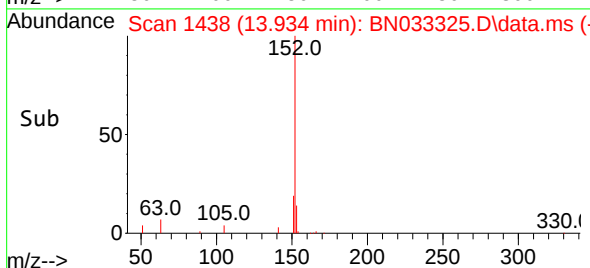
Supervised By :mohammad
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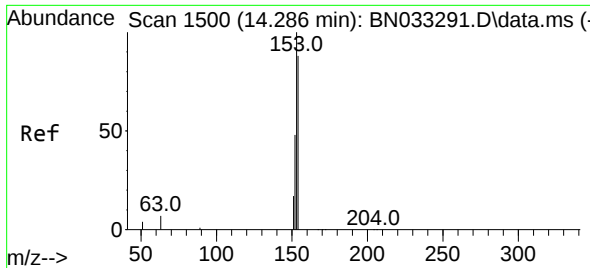


#16
Acenaphthylene
Concen: 0.050 ng
RT: 13.934 min Scan# 1438
Delta R.T. 0.001 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08



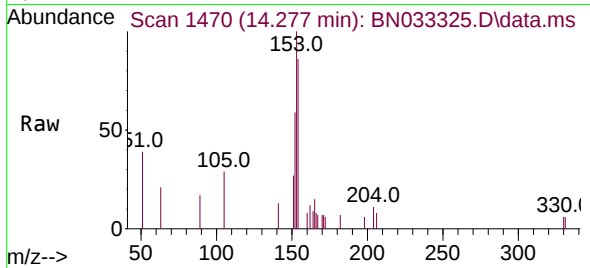
Tgt Ion:152 Resp: 1518
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 15.5 10.3 15.5#





#17
Acenaphthene
Concen: 0.048 ng
RT: 14.277 min Scan# 14
Delta R.T. -0.010 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

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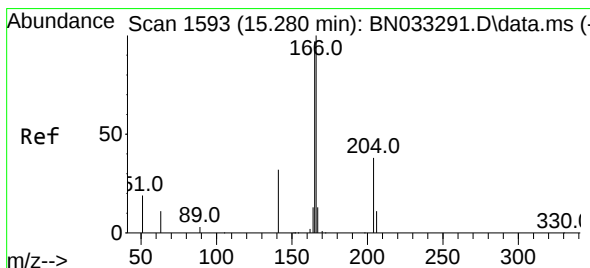
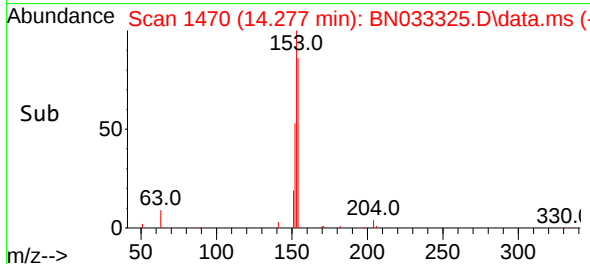
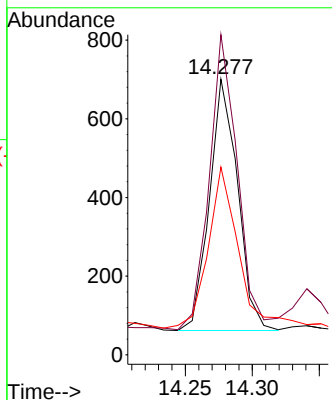


Tgt Ion:154 Resp: 934
Ion Ratio Lower Upper
154 100
153 116.2 89.5 134.3
152 68.6 43.6 65.4

Manual Integrations
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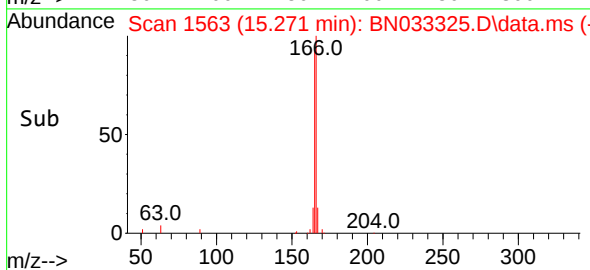
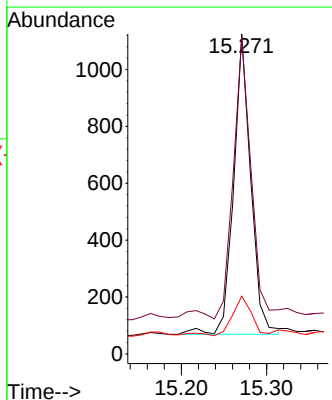
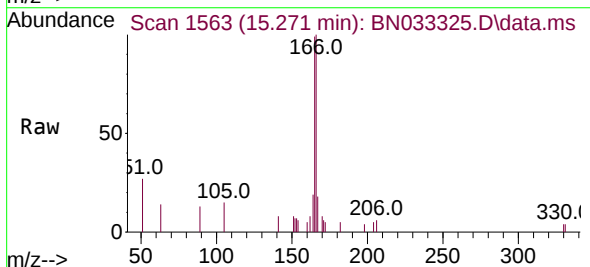
Reviewed By :Yogesh
Patel
08/12/2024

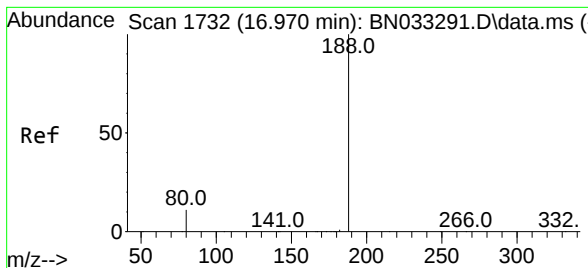
Supervised By :mohammad
ahmed
08/12/2024



#18
Fluorene
Concen: 0.057 ng
RT: 15.271 min Scan# 1563
Delta R.T. -0.010 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

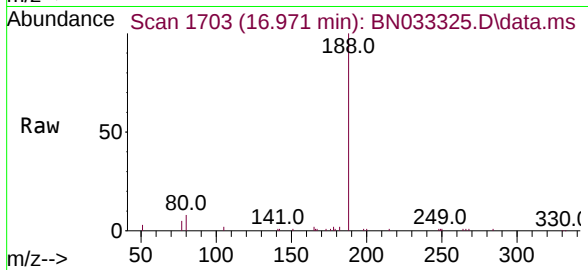
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Ion Ratio Lower Upper
166 100
165 96.7 78.9 118.3
167 14.3 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1703
Delta R.T. 0.001 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

Instrument :
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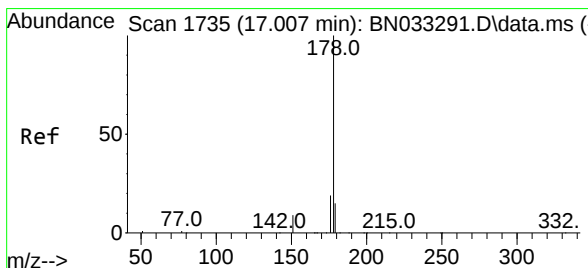
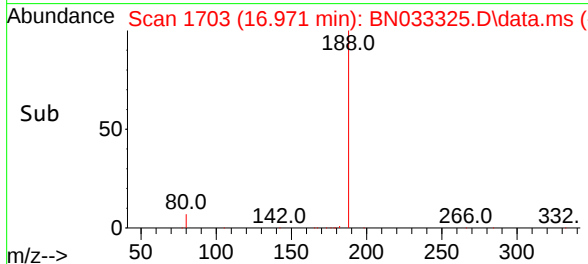
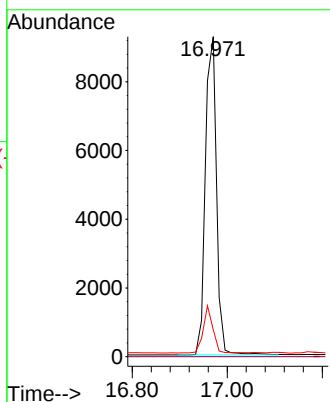


Tgt Ion:188 Resp: 1520
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.5 10.5 15.7

Manual Integrations
APPROVED

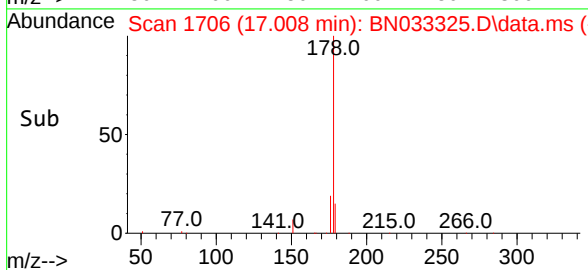
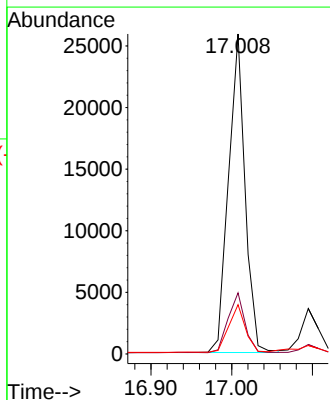
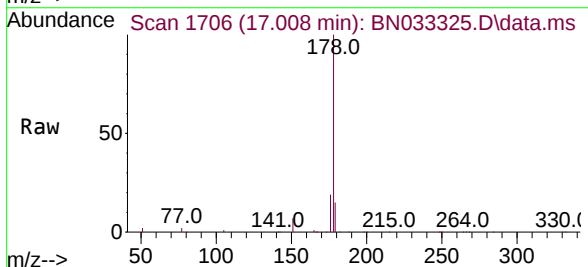
Reviewed By :Yogesh
Patel
08/12/2024

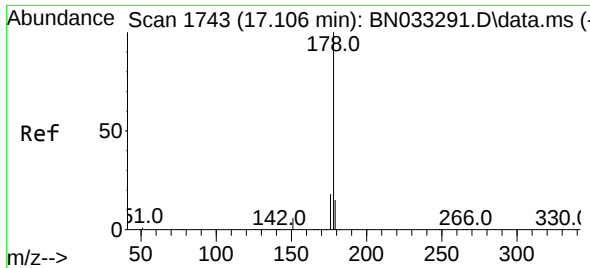
Supervised By :mohammad
ahmed
08/12/2024



#25
Phenanthrene
Concen: 0.840 ng
RT: 17.008 min Scan# 1706
Delta R.T. 0.001 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

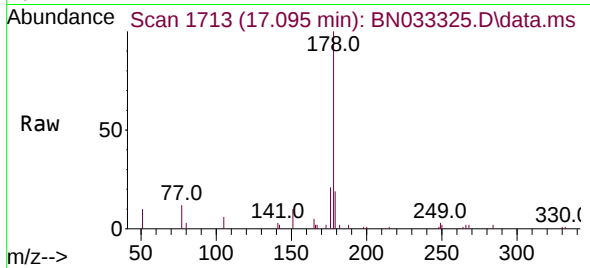
Tgt Ion:178 Resp: 36942
Ion Ratio Lower Upper
178 100
176 18.8 15.2 22.8
179 15.0 12.0 18.0





#26
 Anthracene
 Concen: 0.113 ng
 RT: 17.095 min Scan# 1713
 Delta R.T. -0.011 min
 Lab File: BN033325.D
 Acq: 09 Aug 2024 20:08

Instrument :
 BNA_N
 ClientSampleId :
 927-K1-SD-0-0.5-080724

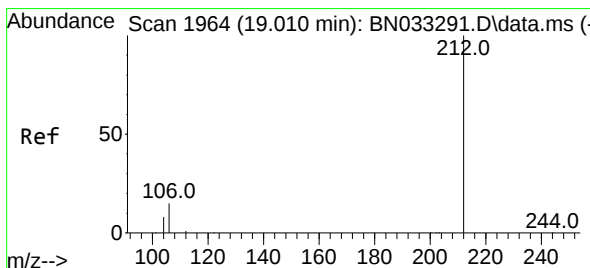
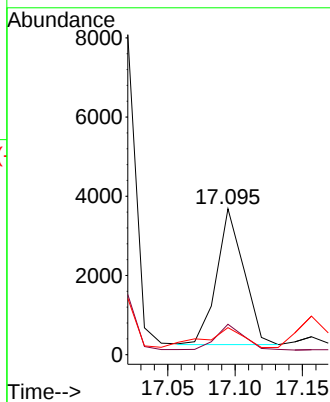
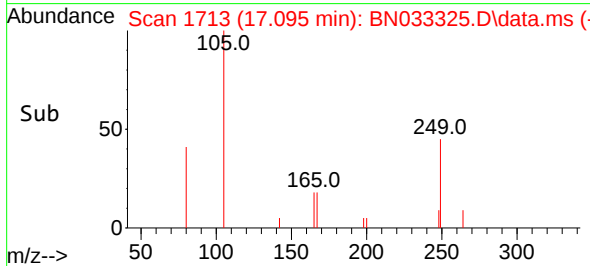


Tgt Ion:178 Resp: 4830
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.8 22.2
 179 20.1 12.2 18.4

Manual Integrations
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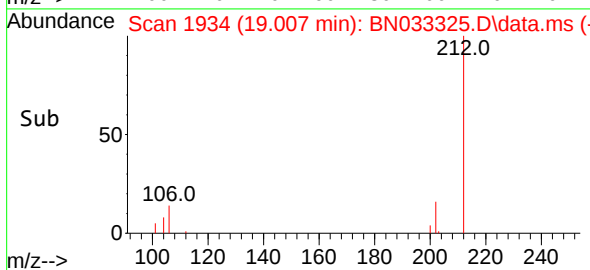
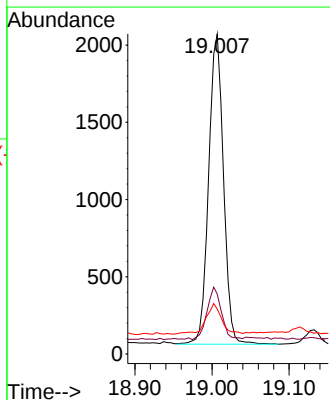
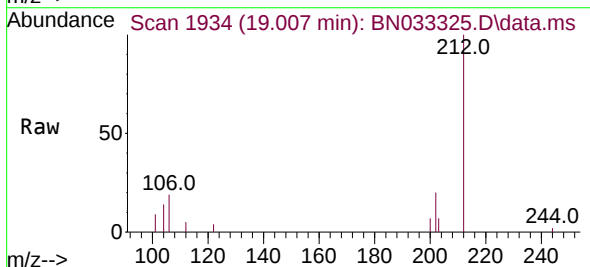
Reviewed By :Yogesh
 Patel
 08/12/2024

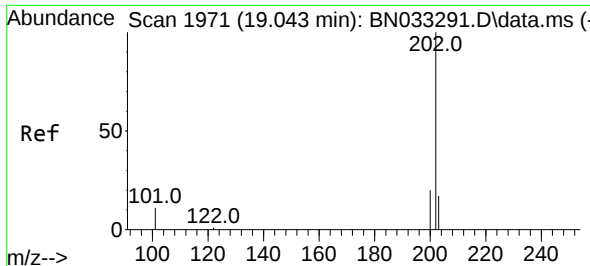
Supervised By :mohammad
 ahmed
 08/12/2024



#27
 Fluoranthene-d10
 Concen: 0.064 ng
 RT: 19.007 min Scan# 1934
 Delta R.T. -0.004 min
 Lab File: BN033325.D
 Acq: 09 Aug 2024 20:08

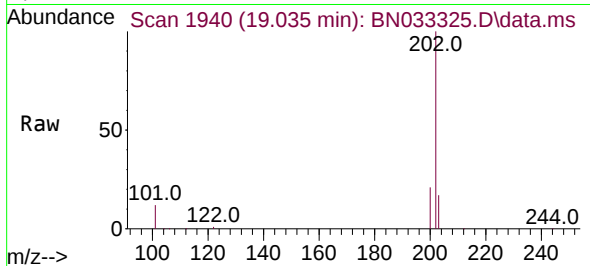
Tgt Ion:212 Resp: 2687
 Ion Ratio Lower Upper
 212 100
 106 15.9 12.2 18.4
 104 10.3 6.9 10.3





#28
Fluoranthene
Concen: 2.385 ng
RT: 19.035 min Scan# 1971
Delta R.T. -0.008 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

Instrument :
BNA_N
ClientSampleId :
927-K1-SD-0-0.5-080724

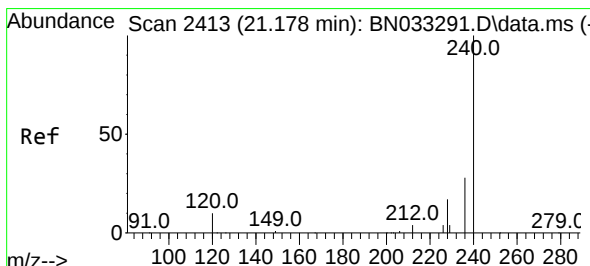
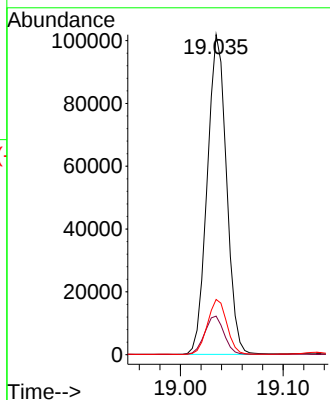
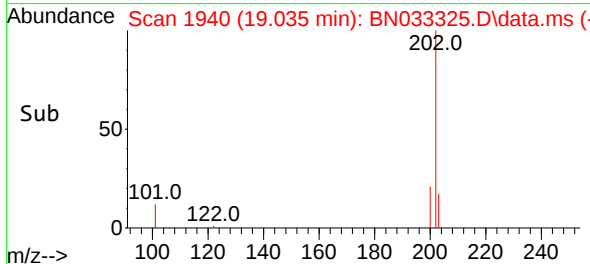


Tgt Ion:202 Resp: 13234
Ion Ratio Lower Upper
202 100
101 12.1 9.4 14.0
203 17.3 13.8 20.6

Manual Integrations
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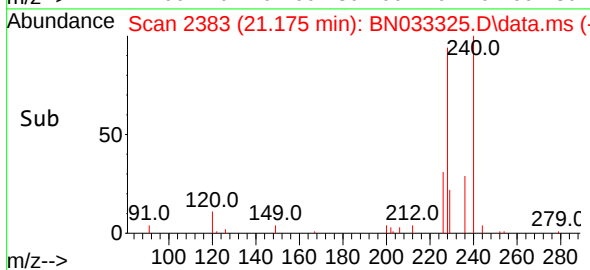
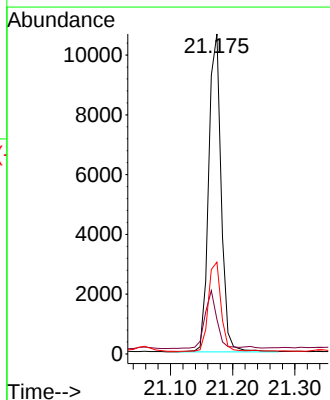
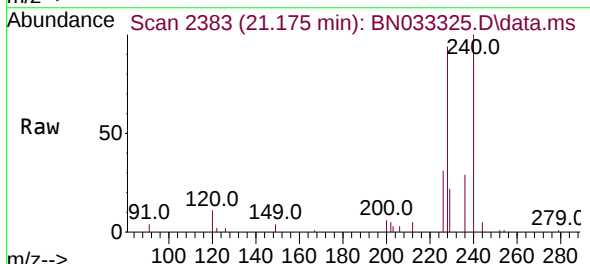
Reviewed By :Yogesh
Patel
08/12/2024

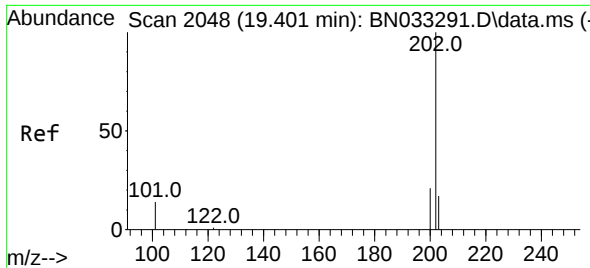
Supervised By :mohammad
ahmed
08/12/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.175 min Scan# 2383
Delta R.T. -0.004 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

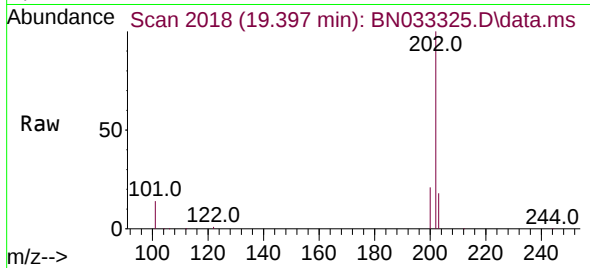
Tgt Ion:240 Resp: 14790
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.6
236 28.7 22.4 33.6





#30
Pyrene
Concen: 1.952 ng
RT: 19.397 min Scan# 2048
Delta R.T. -0.004 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

Instrument :
BNA_N
ClientSampleId :
927-K1-SD-0-0.5-080724

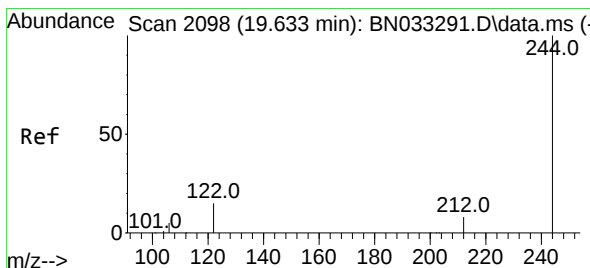
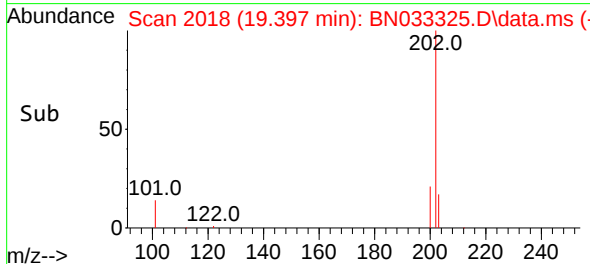
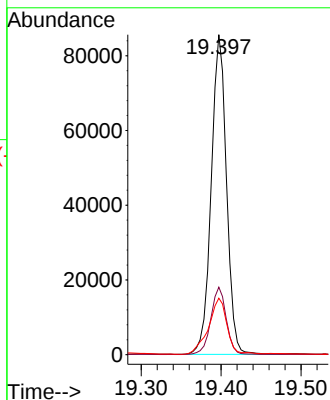


Tgt Ion:202 Resp: 113549
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 21.1 14.2 21.4

Manual Integrations
APPROVED

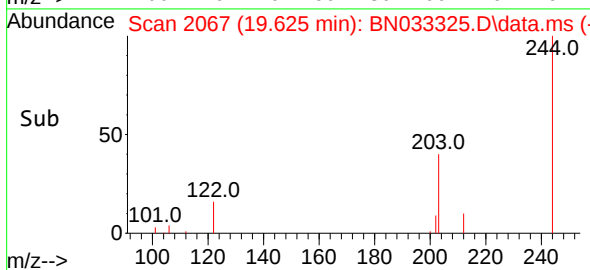
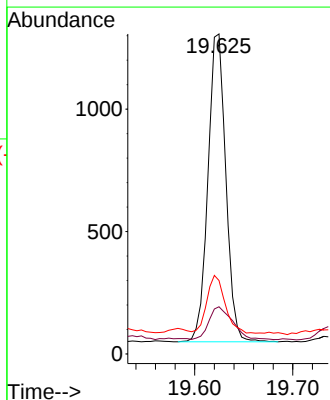
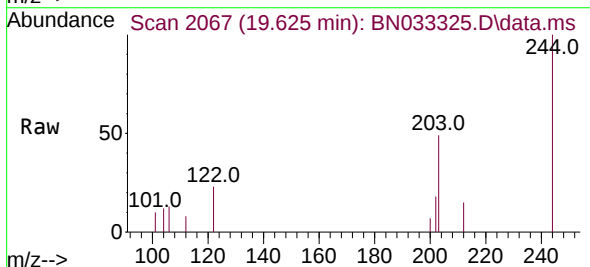
Reviewed By :Yogesh
Patel
08/12/2024

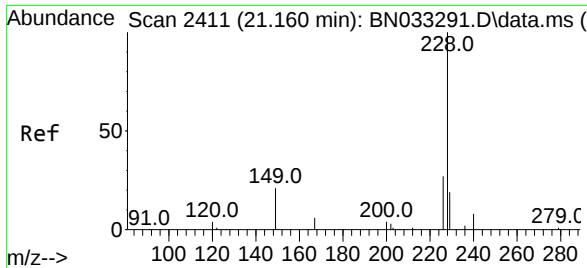
Supervised By :mohammad
ahmed
08/12/2024



#31
Terphenyl-d14
Concen: 0.062 ng
RT: 19.625 min Scan# 2067
Delta R.T. -0.008 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

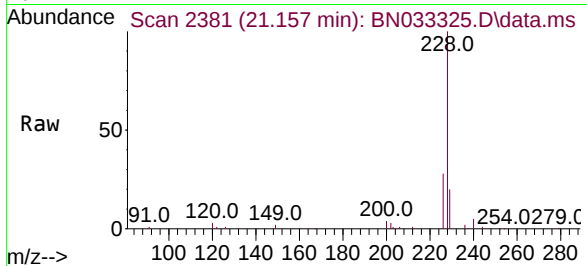
Tgt Ion:244 Resp: 1588
Ion Ratio Lower Upper
244 100
212 14.8 7.2 10.8#
122 23.0 12.7 19.1#





#32
Benzo(a)anthracene
Concen: 1.106 ng
RT: 21.157 min Scan# 211
Delta R.T. -0.004 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

Instrument :
BNA_N
ClientSampleId :
927-K1-SD-0-0.5-080724

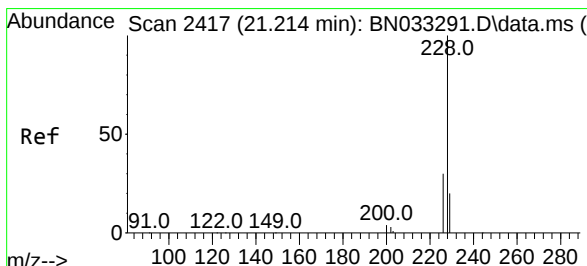
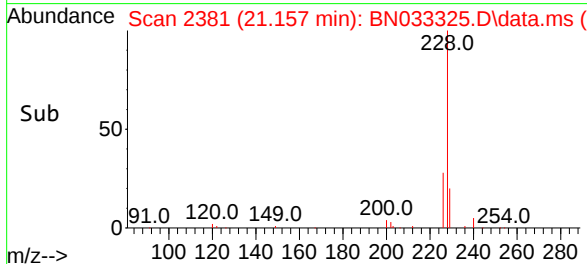
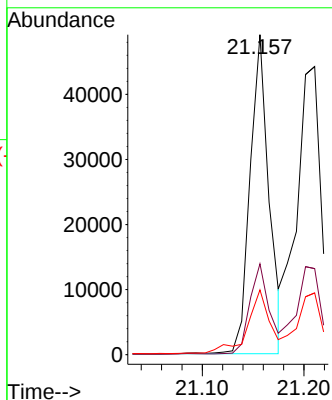


Tgt Ion:228 Resp: 6352
Ion Ratio Lower Upper
228 100
226 28.4 22.1 33.1
229 20.2 15.6 23.4

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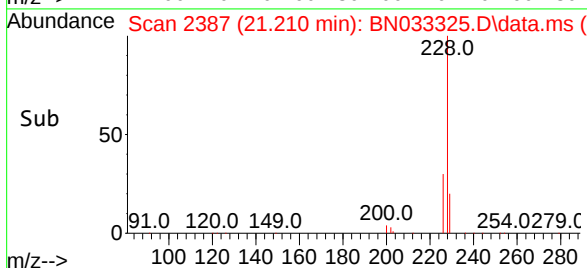
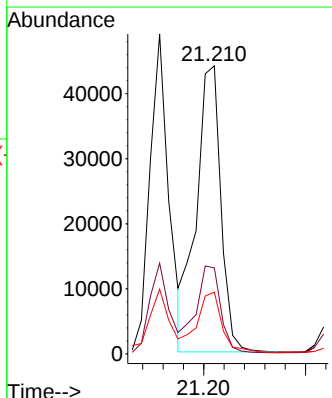
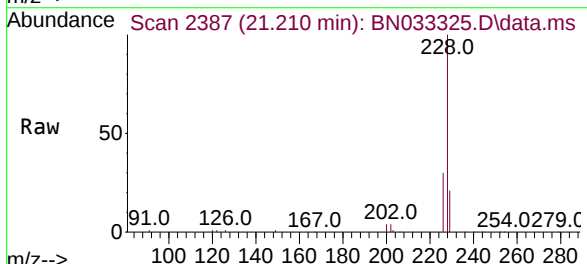
Reviewed By :Yogesh
Patel
08/12/2024

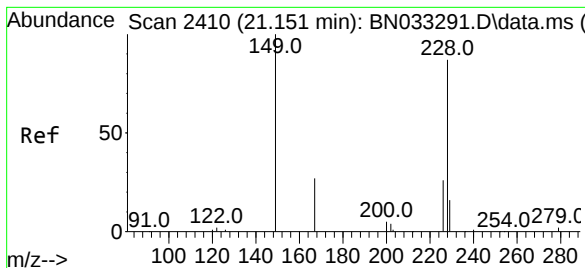
Supervised By :mohammad
ahmed
08/12/2024



#33
Chrysene
Concen: 1.332 ng
RT: 21.210 min Scan# 2387
Delta R.T. -0.004 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

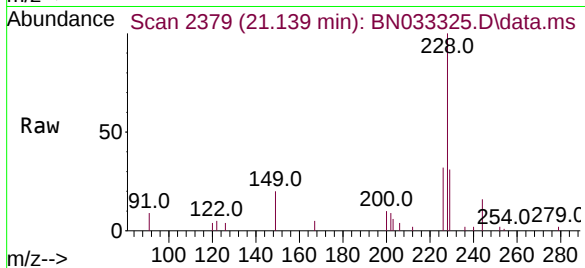
Tgt Ion:228 Resp: 74109
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.8
229 21.4 15.8 23.8





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.046 ng
RT: 21.139 min Scan# 21139
Delta R.T. -0.013 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

Instrument :
BNA_N
ClientSampleId :
927-K1-SD-0-0.5-080724

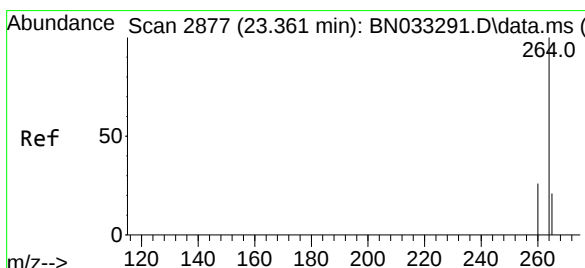
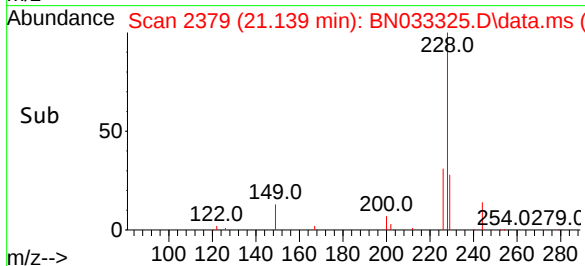
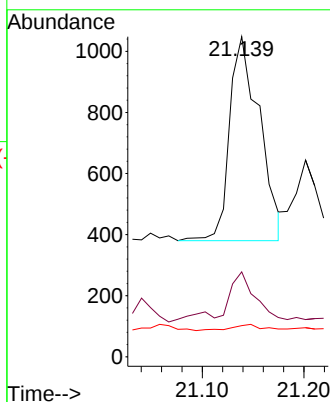


Tgt Ion:149 Resp: 1365
Ion Ratio Lower Upper
149 100
167 19.0 21.6 32.4
279 3.2 2.6 4.0

Manual Integrations
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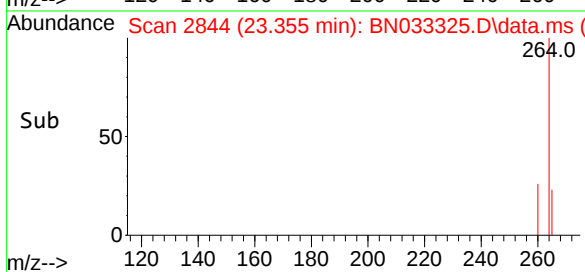
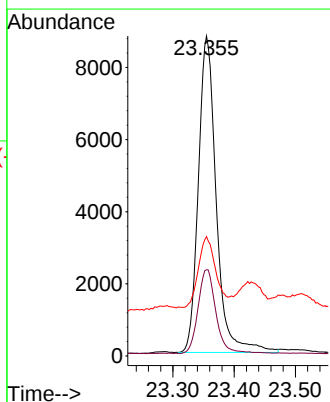
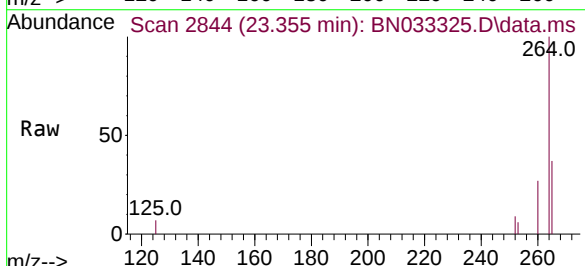
Reviewed By :Yogesh
Patel
08/12/2024

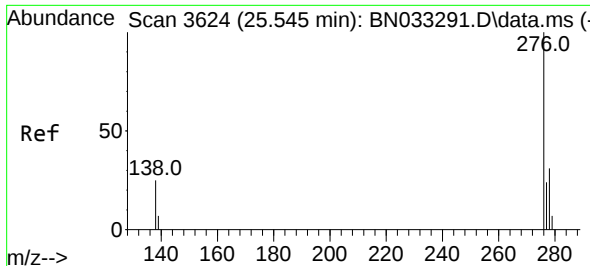
Supervised By :mohammad
ahmed
08/12/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.355 min Scan# 2844
Delta R.T. -0.006 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

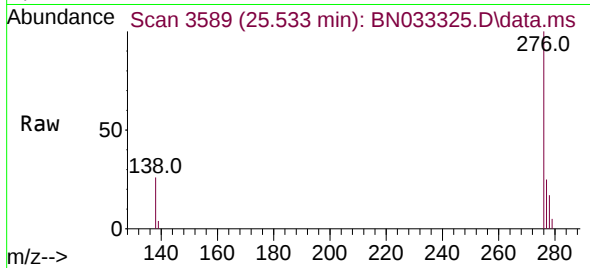
Tgt Ion:264 Resp: 17835
Ion Ratio Lower Upper
264 100
260 26.9 21.4 32.0
265 37.3 22.4 33.6





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.639 ng
RT: 25.533 min Scan# 31
Delta R.T. -0.012 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

Instrument :
BNA_N
ClientSampleId :
927-K1-SD-0-0.5-080724

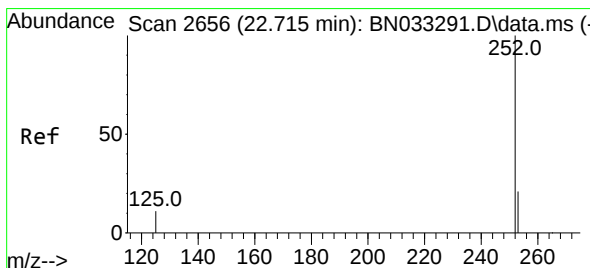
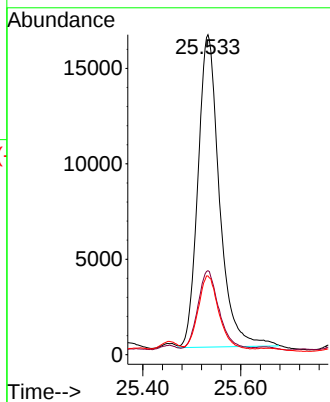
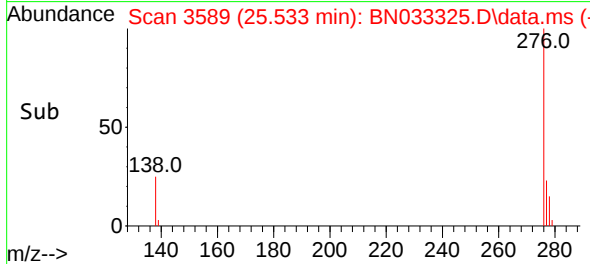


Tgt Ion:276 Resp: 4987
Ion Ratio Lower Upper
276 100
138 24.7 22.7 34.1
277 22.2 19.8 29.8

Manual Integrations
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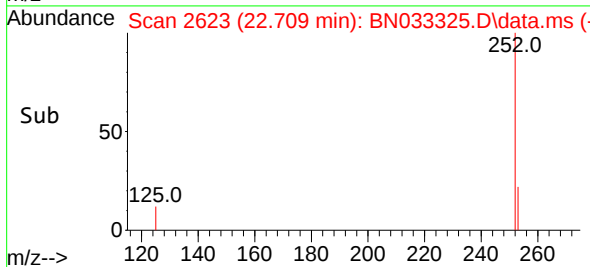
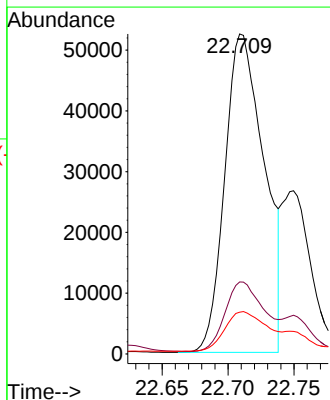
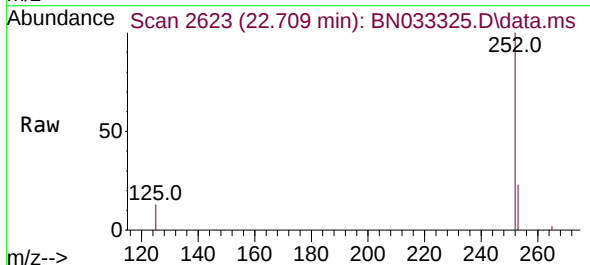
Reviewed By :Yogesh
Patel
08/12/2024

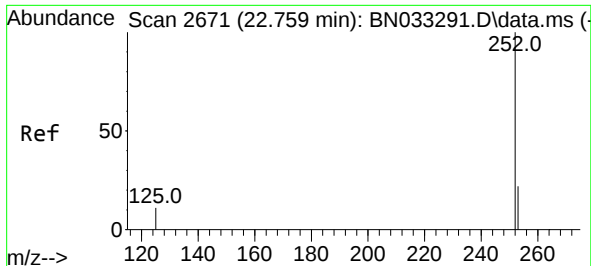
Supervised By :mohammad
ahmed
08/12/2024



#37
Benzo(b)fluoranthene
Concen: 1.644 ng
RT: 22.709 min Scan# 2623
Delta R.T. -0.006 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

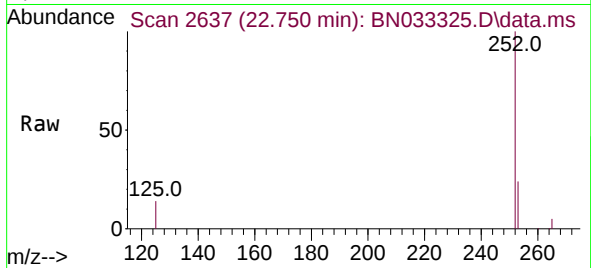
Tgt Ion:252 Resp: 108944
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 13.0 10.0 15.0





#38
Benzo(k)fluoranthene
Concen: 0.646 ng m
RT: 22.750 min Scan# 2637
Delta R.T. -0.009 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

Instrument :
BNA_N
ClientSampleId :
927-K1-SD-0-0.5-080724

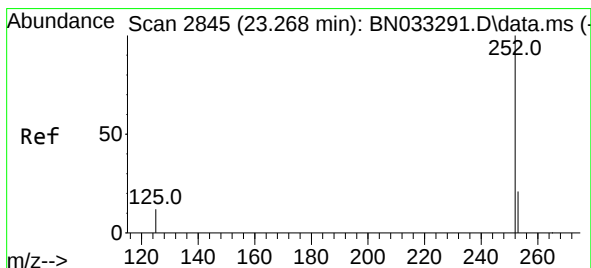
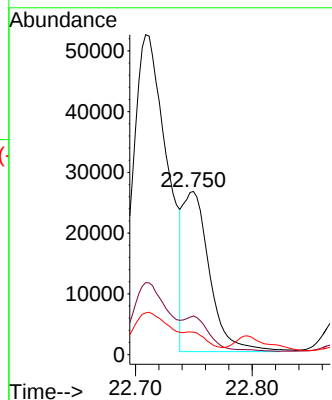


Tgt Ion:252 Resp: 41598
Ion Ratio Lower Upper
252 100
253 23.7 18.3 27.5
125 13.8 10.2 15.4

Manual Integrations
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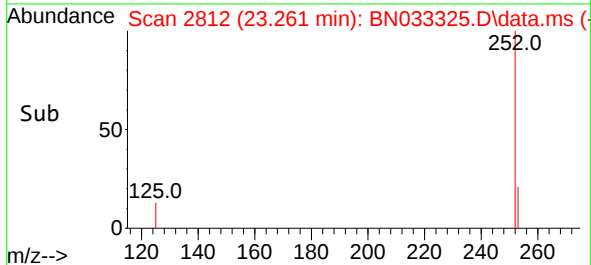
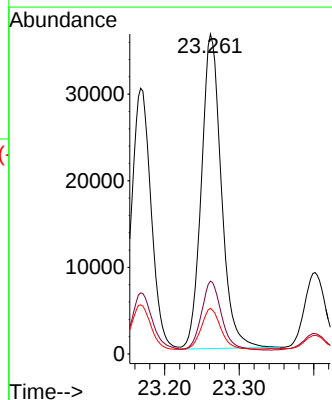
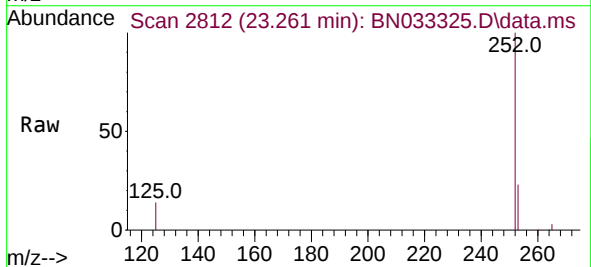
Reviewed By :Yogesh
Patel
08/12/2024

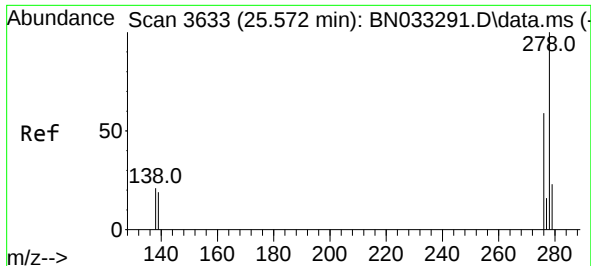
Supervised By :mohammad
ahmed
08/12/2024



#39
Benzo(a)pyrene
Concen: 1.145 ng
RT: 23.261 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

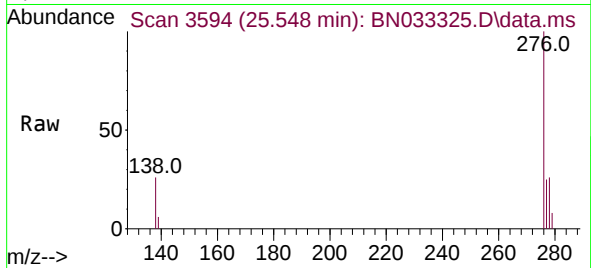
Tgt Ion:252 Resp: 67439
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.4
125 14.2 11.4 17.2





#40
Dibenzo(a,h)anthracene
Concen: 0.160 ng
RT: 25.548 min Scan# 31
Delta R.T. -0.024 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

Instrument :
BNA_N
ClientSampleId :
927-K1-SD-0-0.5-080724

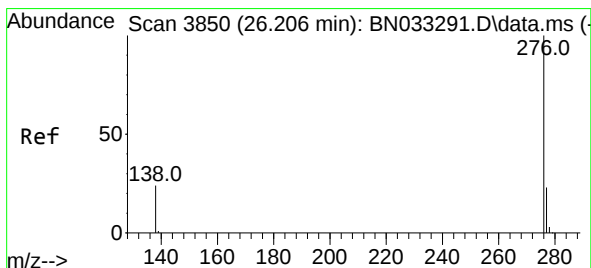
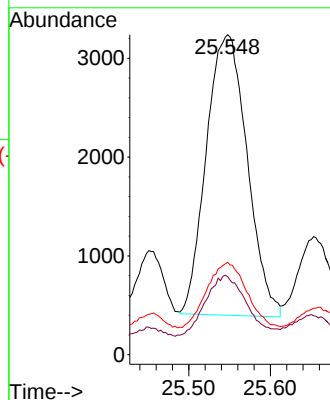


Tgt Ion:278 Resp: 987
Ion Ratio Lower Upper
278 100
139 24.4 16.3 24.5
279 28.8 19.4 29.2

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
08/12/2024

Supervised By :mohammad
ahmed
08/12/2024



#41
Benzo(g,h,i)perylene
Concen: 0.772 ng
RT: 26.188 min Scan# 3813
Delta R.T. -0.018 min
Lab File: BN033325.D
Acq: 09 Aug 2024 20:08

Tgt Ion:276 Resp: 51763
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.4
138 26.9 20.8 31.2

