

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081724\
 Data File : BN033456.D
 Acq On : 17 Aug 2024 07:15
 Operator : MA/JU
 Sample : P3580-07
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 922-K1-SD-0-0.5-081224

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/19/2024
 Supervised By :mohammad ahmed 08/21/2024

Quant Time: Aug 17 23:20:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 04:44:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.559	152	7117	0.400	ng	-0.01
7) Naphthalene-d8	10.325	136	19494	0.400	ng	#-0.01
13) Acenaphthene-d10	14.199	164	9646	0.400	ng	0.00
19) Phenanthrene-d10	16.942	188	20034	0.400	ng	-0.01
29) Chrysene-d12	21.148	240	17509	0.400	ng	0.00
35) Perylene-d12	23.318	264	18693	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.191	112	3871	0.197	ng	0.00
5) Phenol-d6	6.743	99	4782	0.180	ng	0.00
8) Nitrobenzene-d5	8.691	82	3136	0.213	ng	-0.01
11) 2-Methylnaphthalene-d10	11.918	152	5221	0.174	ng	-0.01
14) 2,4,6-Tribromophenol	15.688	330	801	0.162	ng	-0.01
15) 2-Fluorobiphenyl	12.810	172	7179	0.182	ng	-0.01
27) Fluoranthene-d10	18.984	212	8338	0.156	ng	0.00
31) Terphenyl-d14	19.597	244	5719	0.173	ng	0.00
Target Compounds						Qvalue
16) Acenaphthylene	13.911	152	4421	0.098	ng	97
18) Fluorene	15.247	166	866	0.021	ng	# 87
25) Phenanthrene	16.979	178	14472	0.250	ng	99
26) Anthracene	17.078	178	3463	0.068	ng	# 94
28) Fluoranthene	19.012	202	71262	1.000	ng	100
30) Pyrene	19.379	202	67689	0.971	ng	# 96
32) Benzo(a)anthracene	21.130	228	32920	0.503	ng	96
33) Chrysene	21.184	228	34814	0.529	ng	97
34) Bis(2-ethylhexyl)phtha...	21.095	149	3961	0.133	ng	# 95
36) Indeno(1,2,3-cd)pyrene	25.472	276	24652	0.319	ng	94
37) Benzo(b)fluoranthene	22.677	252	51578	0.733	ng	95
38) Benzo(k)fluoranthene	22.715	252	19972m	0.278	ng	
39) Benzo(a)pyrene	23.227	252	29670	0.501	ng	# 93
40) Dibenzo(a,h)anthracene	25.493	278	5381	0.088	ng	# 70
41) Benzo(g,h,i)perylene	26.133	276	25321	0.374	ng	99

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

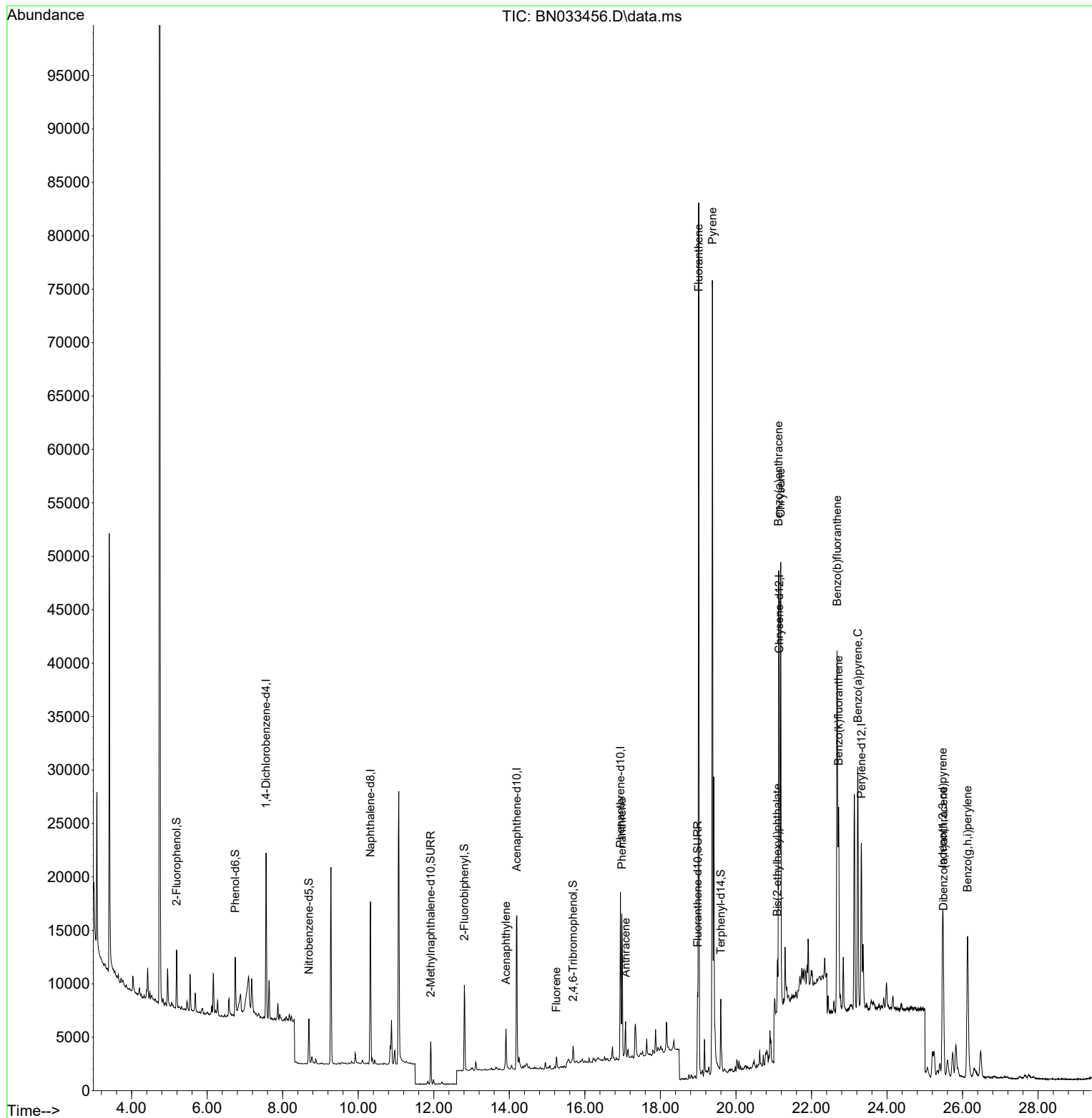
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081724\
Data File : BN033456.D
Acq On : 17 Aug 2024 07:15
Operator : MA/JU
Sample : P3580-07
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ALS Vial : 30 Sample Multiplier: 1

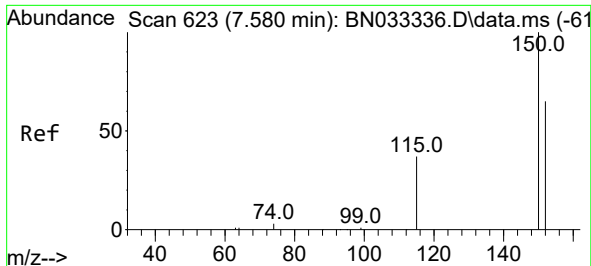
Instrument :
BNA_N
ClientSampleId :
922-K1-SD-0-0.5-081224

Quant Time: Aug 17 23:20:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 04:44:11 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

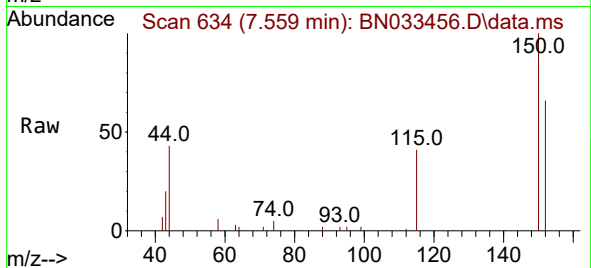
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.559 min Scan# 611
Delta R.T. -0.015 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

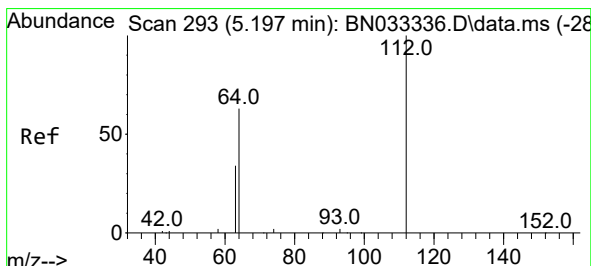
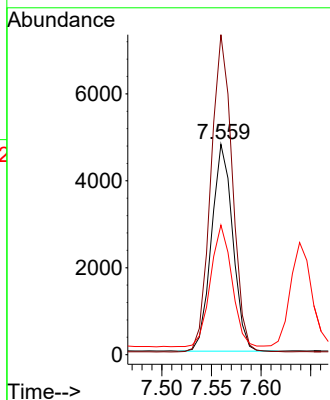
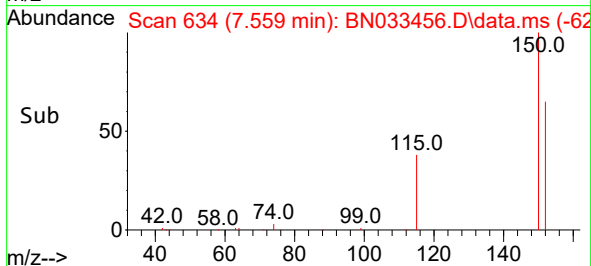
Instrument :
BNA_N
ClientSampleId :
922-K1-SD-0-0.5-081224



Tgt Ion:152 Resp: 711
Ion Ratio Lower Upper
152 100
150 152.1 122.3 183.5
115 61.6 48.8 73.2

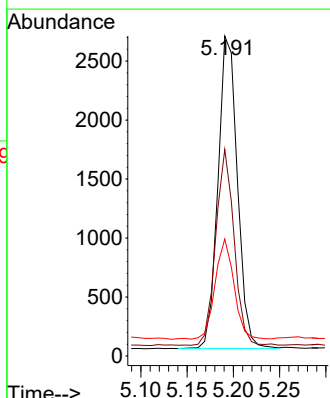
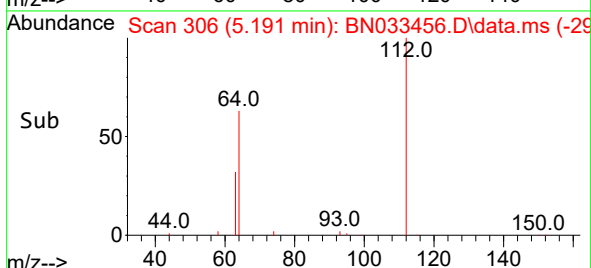
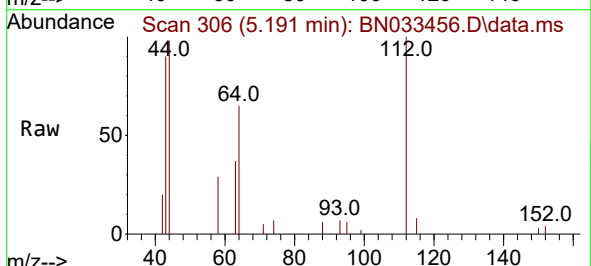
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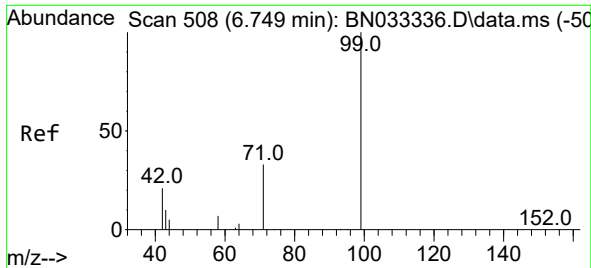
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#4
2-Fluorophenol
Concen: 0.197 ng
RT: 5.191 min Scan# 306
Delta R.T. -0.007 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

Tgt Ion:112 Resp: 3871
Ion Ratio Lower Upper
112 100
64 59.1 48.1 72.1
63 31.4 25.4 38.2





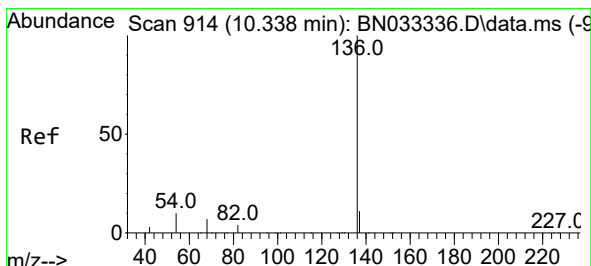
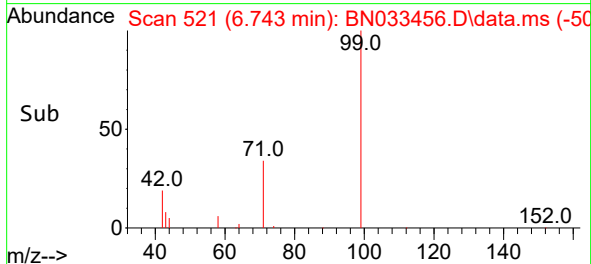
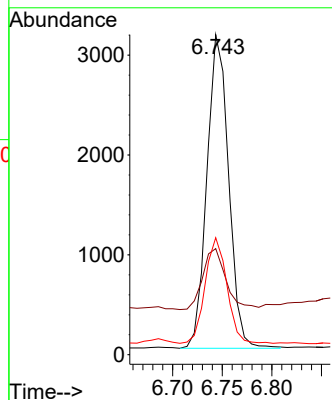
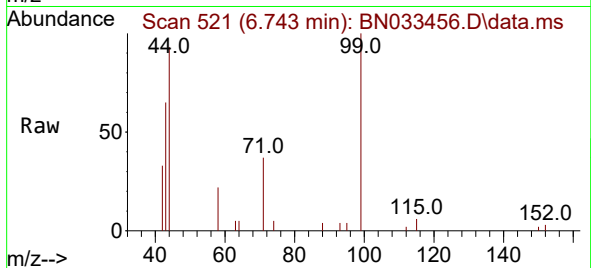
#5
Phenol-d6
Concen: 0.180 ng
RT: 6.743 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

Instrument :
BNA_N
ClientSampleId :
922-K1-SD-0-0.5-081224

Tgt Ion: 99 Resp: 478
Ion Ratio Lower Upper
99 100
42 20.8 18.5 27.7
71 33.6 26.2 39.2

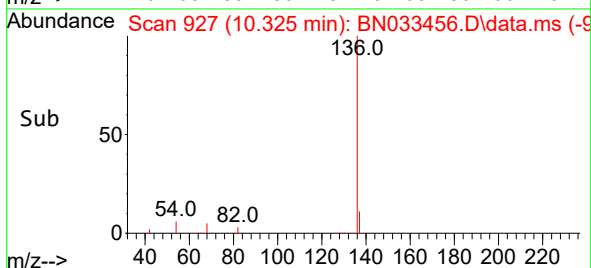
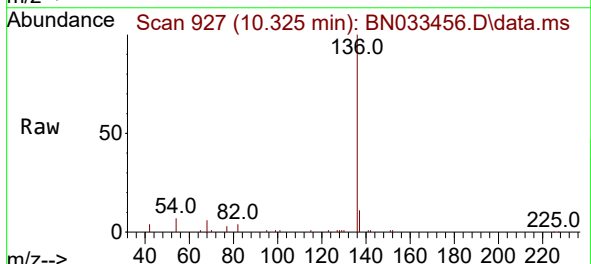
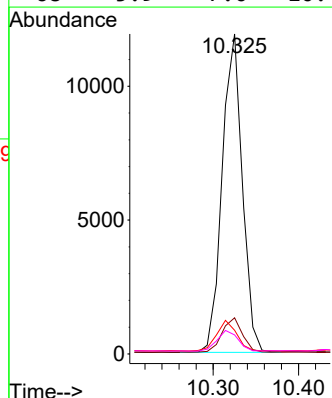
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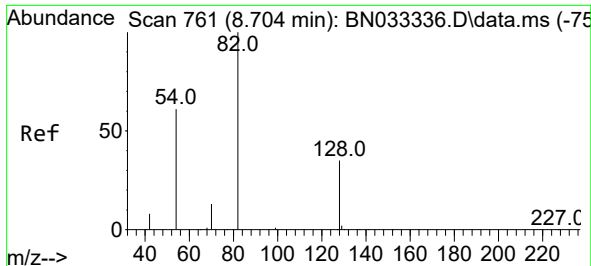
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.325 min Scan# 927
Delta R.T. -0.011 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

Tgt Ion:136 Resp: 19494
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.4 9.4 14.0#
68 5.9 7.0 10.4#





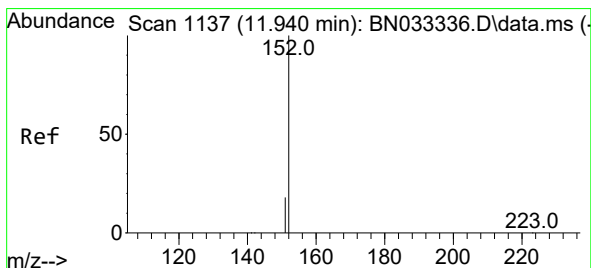
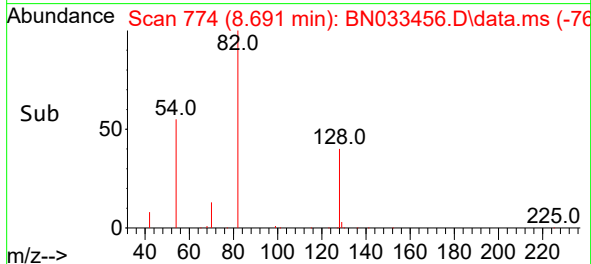
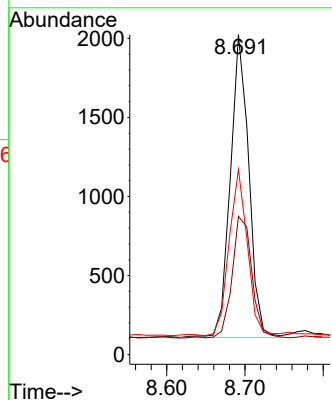
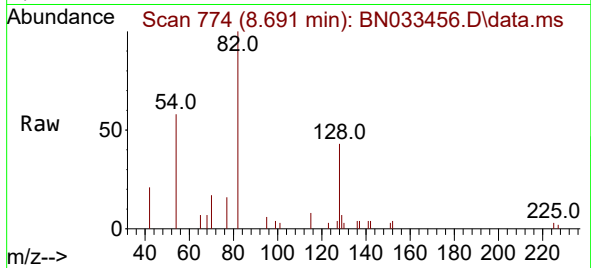
#8
Nitrobenzene-d5
Concen: 0.213 ng
RT: 8.691 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

Instrument :
BNA_N
ClientSampleId :
922-K1-SD-0-0.5-081224

Tgt Ion: 82 Resp: 3130
Ion Ratio Lower Upper
82 100
128 43.3 29.0 43.4
54 57.8 50.2 75.4

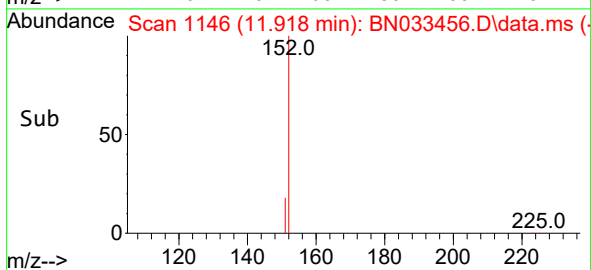
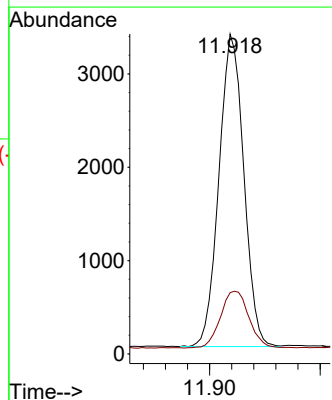
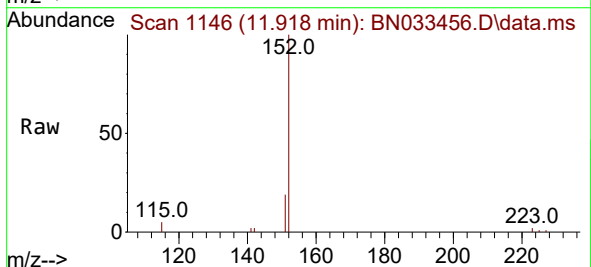
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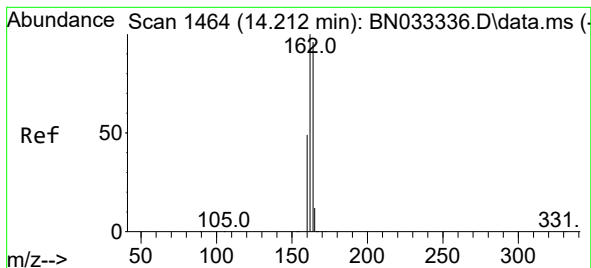
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#11
2-Methylnaphthalene-d10
Concen: 0.174 ng
RT: 11.918 min Scan# 1146
Delta R.T. -0.011 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

Tgt Ion:152 Resp: 5221
Ion Ratio Lower Upper
152 100
151 20.9 16.7 25.1





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.199 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BN033456.D

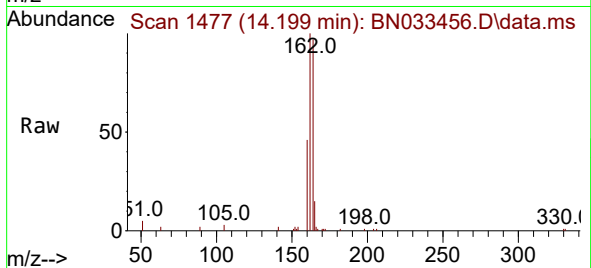
Acq: 17 Aug 2024 07:15

Instrument :

BNA_N

ClientSampleId :

922-K1-SD-0-0.5-081224



Tgt Ion:164 Resp: 9640

Ion Ratio Lower Upper

164 100

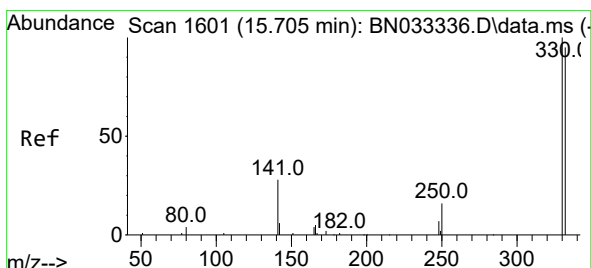
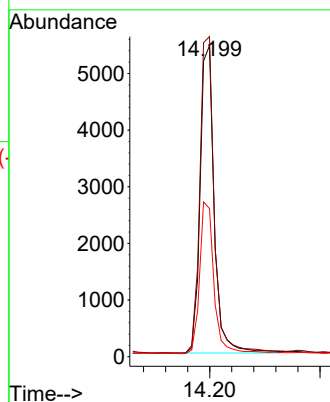
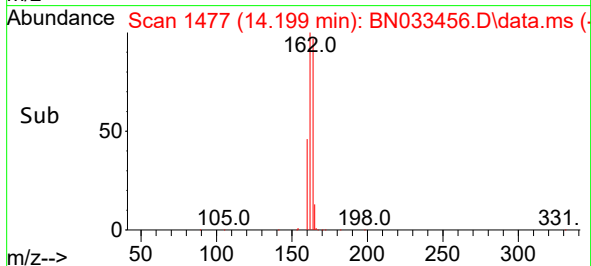
162 102.9 83.1 124.7

160 47.6 41.1 61.7

Manual Integrations

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Supervised By :mohammad ahmed 08/21/2024



#14

2,4,6-Tribromophenol

Concen: 0.162 ng

RT: 15.688 min Scan# 1614

Delta R.T. -0.012 min

Lab File: BN033456.D

Acq: 17 Aug 2024 07:15

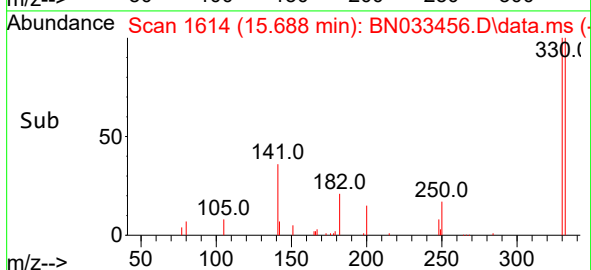
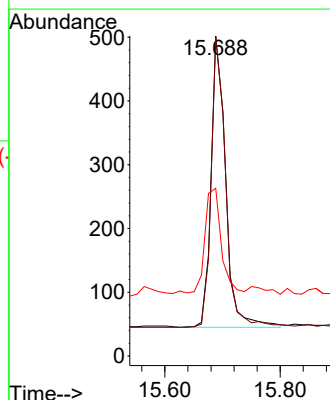
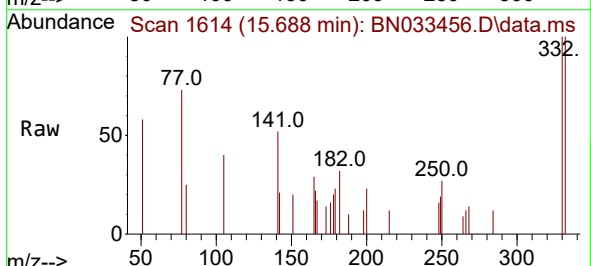
Tgt Ion:330 Resp: 801

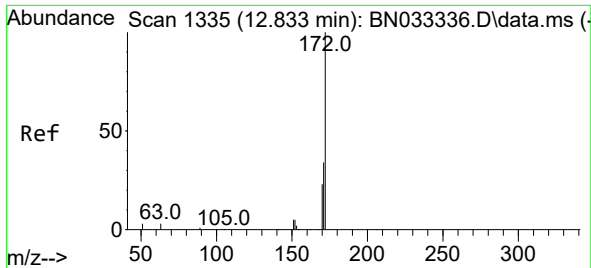
Ion Ratio Lower Upper

330 100

332 97.5 77.1 115.7

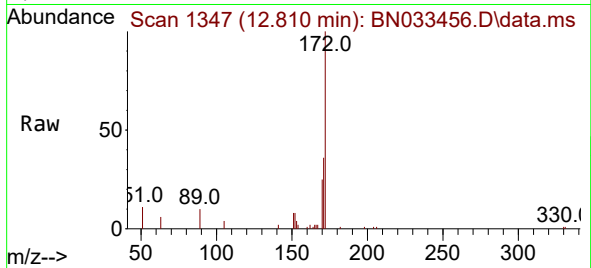
141 39.8 33.4 50.0





#15
2-Fluorobiphenyl
Concen: 0.182 ng
RT: 12.810 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

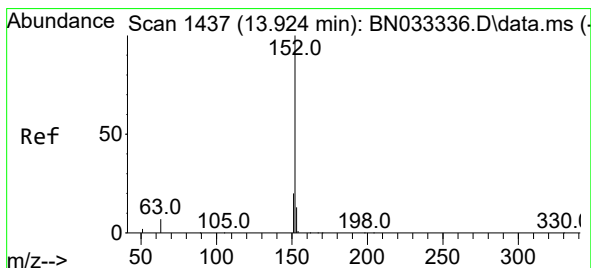
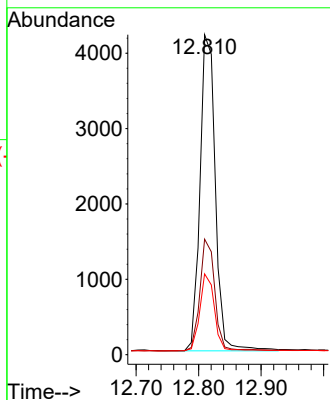
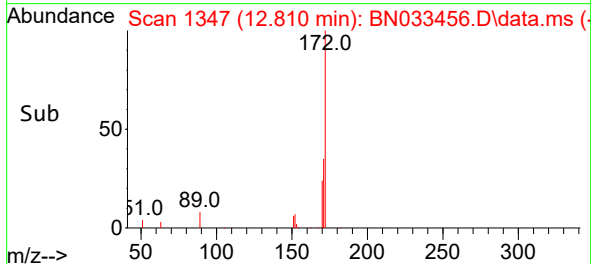
Instrument :
BNA_N
ClientSampleId :
922-K1-SD-0-0.5-081224



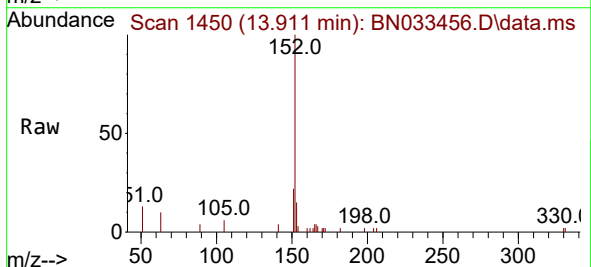
Tgt Ion:172 Resp: 7179
Ion Ratio Lower Upper
172 100
171 36.1 27.8 41.8
170 25.3 18.7 28.1

Manual Integrations
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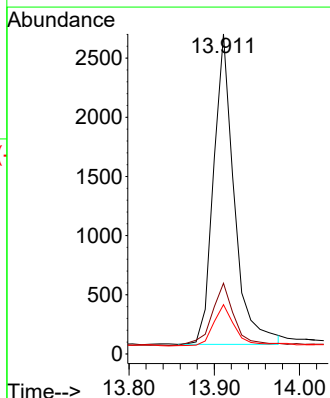
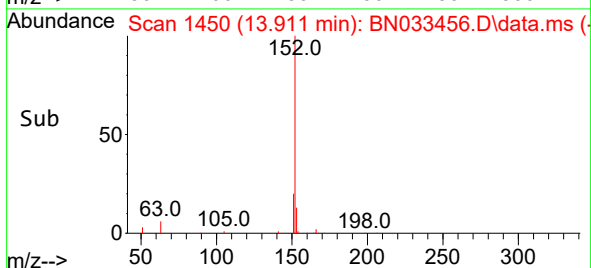
Reviewed By :Jagrut Upadhyay 08/19/2024
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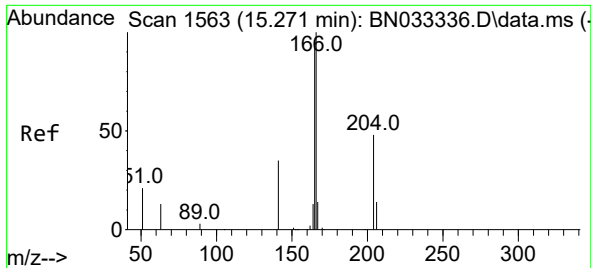


#16
Acenaphthylene
Concen: 0.098 ng
RT: 13.911 min Scan# 1450
Delta R.T. -0.011 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15



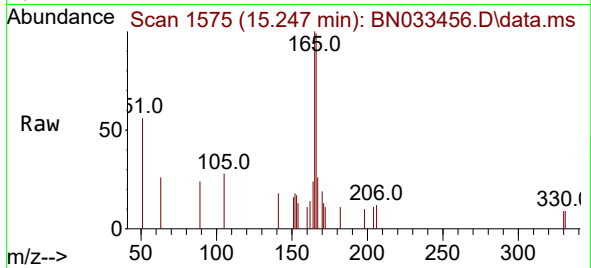
Tgt Ion:152 Resp: 4421
Ion Ratio Lower Upper
152 100
151 21.3 15.7 23.5
153 13.6 10.4 15.6





#18
Fluorene
Concen: 0.021 ng
RT: 15.247 min Scan# 1575
Delta R.T. -0.011 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

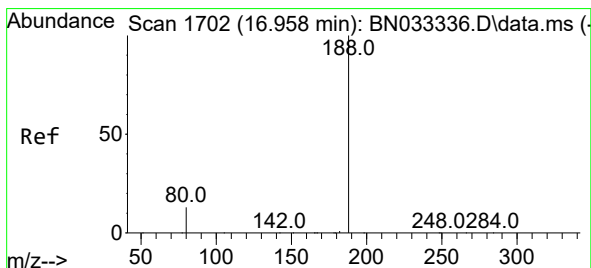
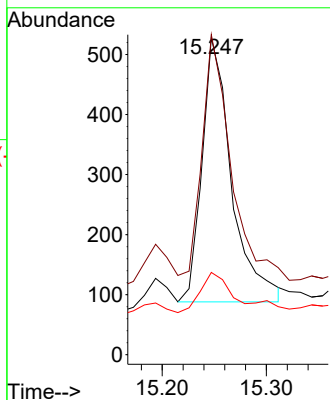
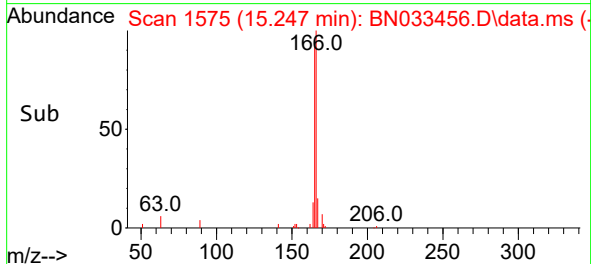
Instrument : BNA_N
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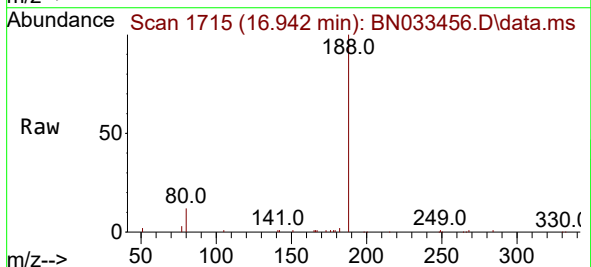
Tgt Ion:166 Resp: 860
Ion Ratio Lower Upper
166 100
165 85.1 78.0 117.0
167 18.6 10.7 16.1

Manual Integrations
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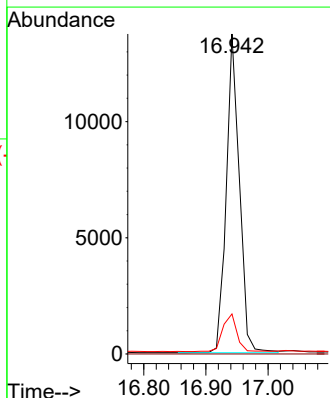
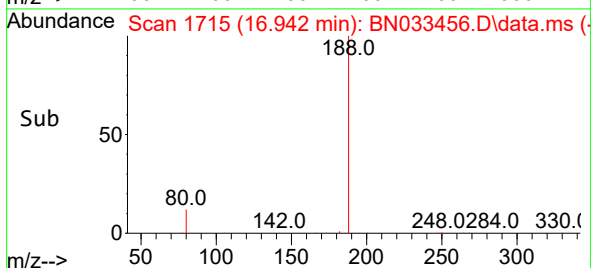
Reviewed By :Jagrut Upadhyay 08/19/2024
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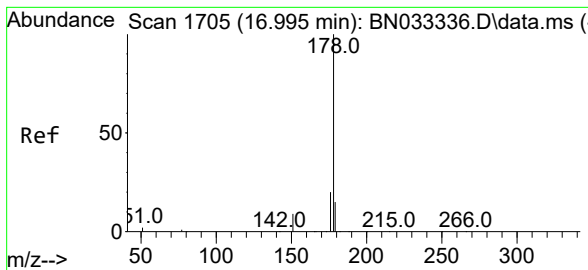


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.942 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15



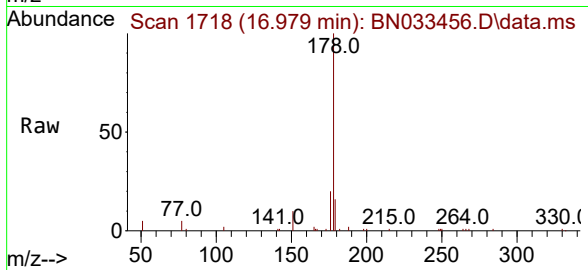
Tgt Ion:188 Resp: 20034
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.5 10.7 16.1





#25
Phenanthrene
Concen: 0.250 ng
RT: 16.979 min Scan# 1718
Delta R.T. -0.012 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

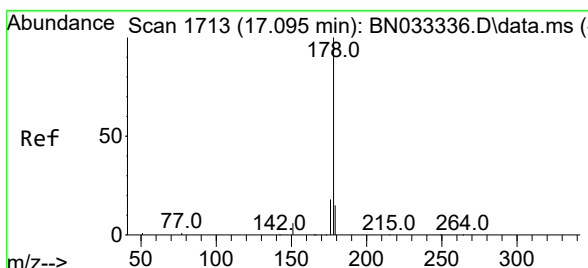
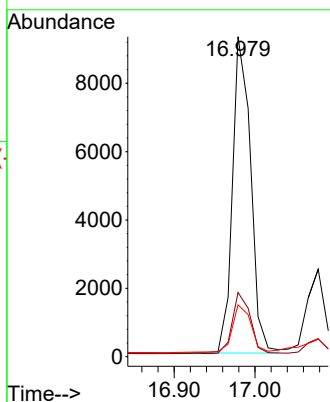
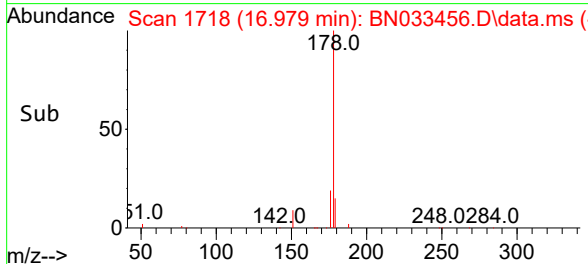
Instrument : BNA_N
ClientSampleId : 922-K1-SD-0-0.5-081224



Tgt Ion:178 Resp: 14472
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.4 12.2 18.2

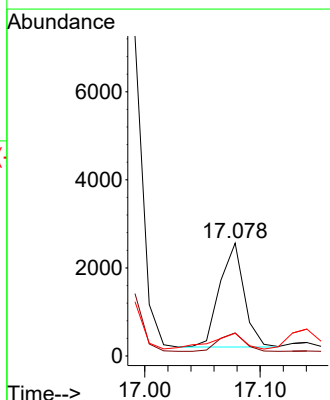
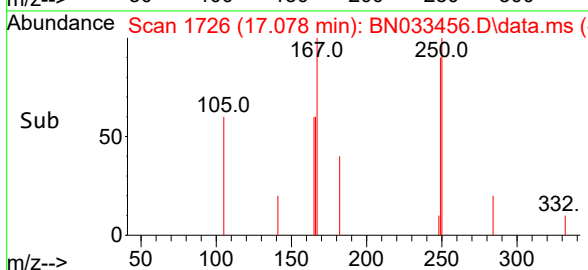
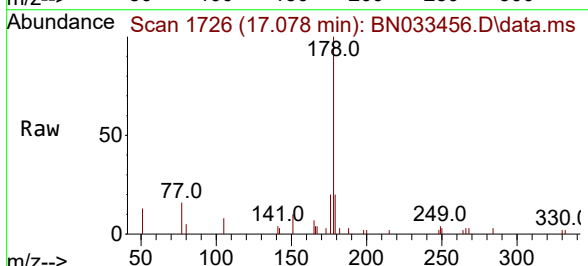
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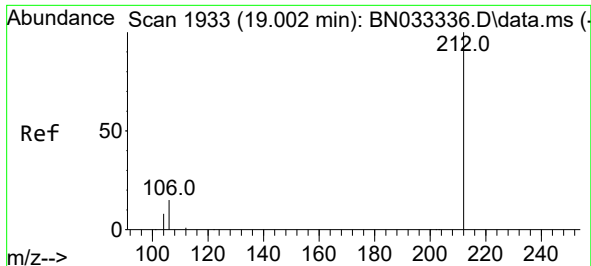
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#26
Anthracene
Concen: 0.068 ng
RT: 17.078 min Scan# 1726
Delta R.T. 0.000 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

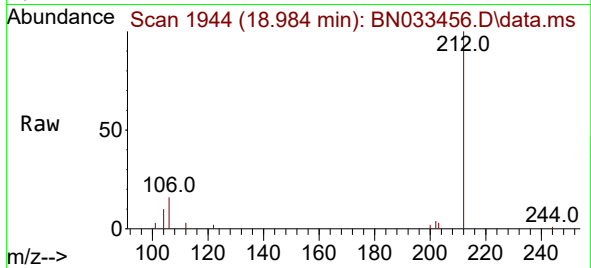
Tgt Ion:178 Resp: 3463
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 20.1 12.2 18.2





#27
Fluoranthene-d10
Concen: 0.156 ng
RT: 18.984 min Scan# 1933
Delta R.T. -0.009 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

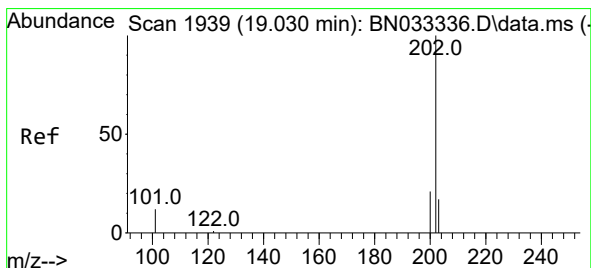
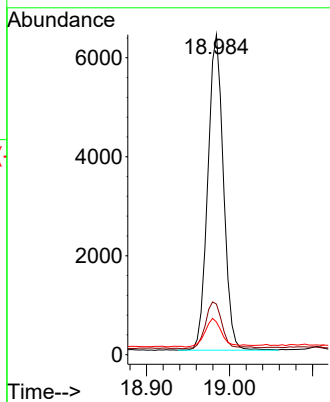
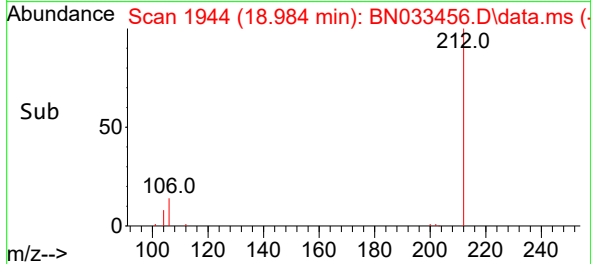
Instrument :
BNA_N
ClientSampleId :
922-K1-SD-0-0.5-081224



Tgt Ion:212 Resp: 8338
Ion Ratio Lower Upper
212 100
106 15.6 12.8 19.2
104 10.1 7.1 10.7

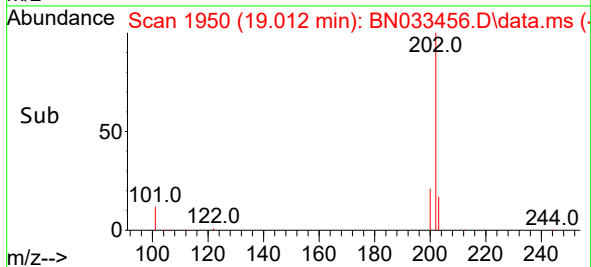
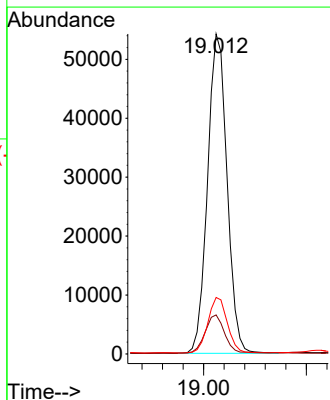
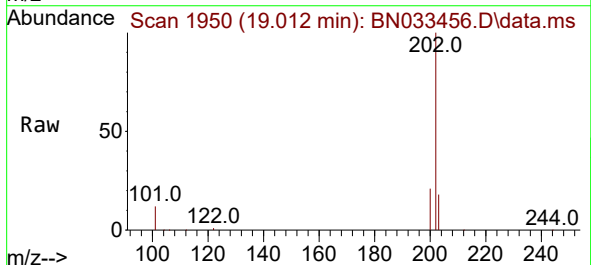
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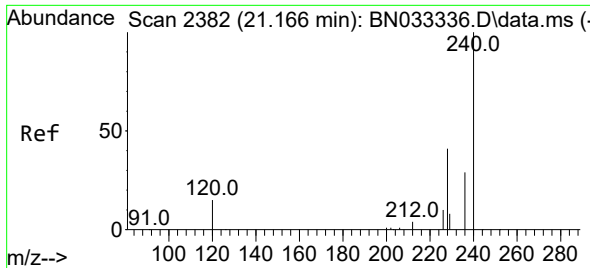
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#28
Fluoranthene
Concen: 1.000 ng
RT: 19.012 min Scan# 1950
Delta R.T. -0.009 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

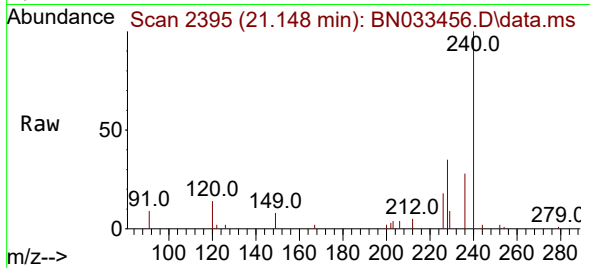
Tgt Ion:202 Resp: 71262
Ion Ratio Lower Upper
202 100
101 12.3 9.8 14.6
203 17.3 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.148 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

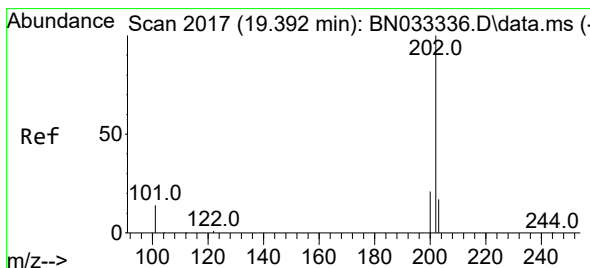
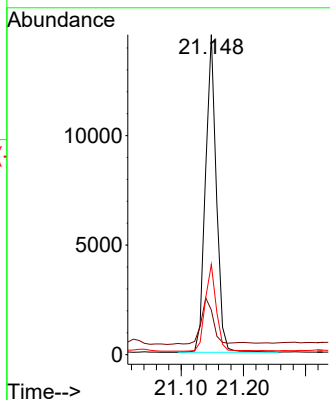
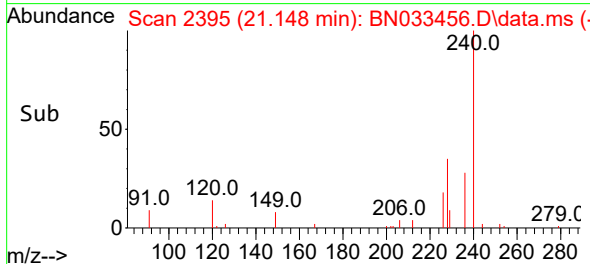
Instrument :
BNA_N
ClientSampleId :
922-K1-SD-0-0.5-081224



Tgt Ion:240 Resp: 17509
Ion Ratio Lower Upper
240 100
120 13.9 13.0 19.6
236 28.2 23.2 34.8

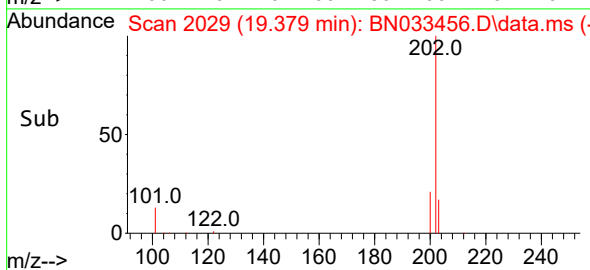
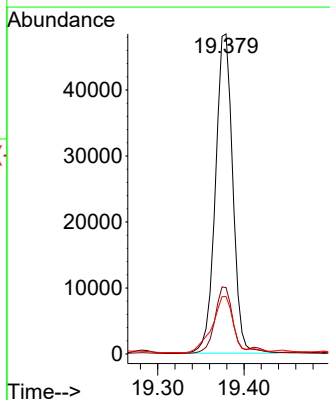
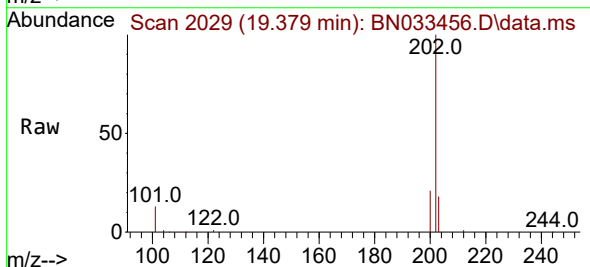
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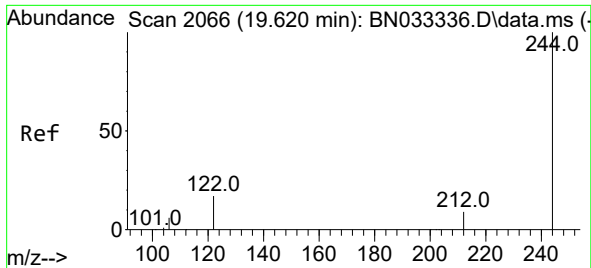
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#30
Pyrene
Concen: 0.971 ng
RT: 19.379 min Scan# 2029
Delta R.T. -0.005 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

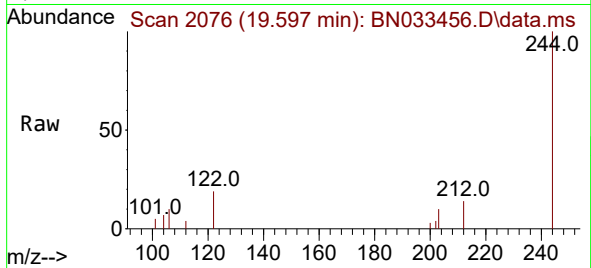
Tgt Ion:202 Resp: 67689
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 21.9 14.2 21.4#





#31
 Terphenyl-d14
 Concen: 0.173 ng
 RT: 19.597 min Scan# 2066
 Delta R.T. -0.009 min
 Lab File: BN033456.D
 Acq: 17 Aug 2024 07:15

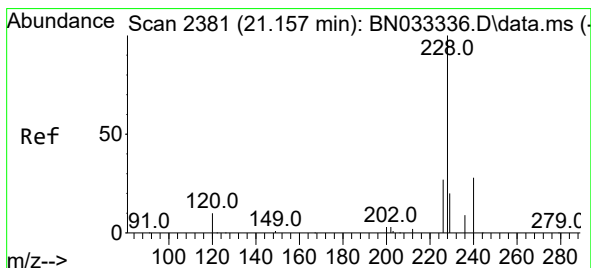
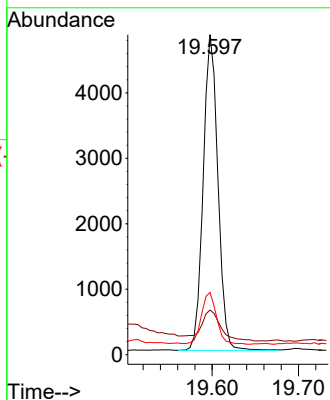
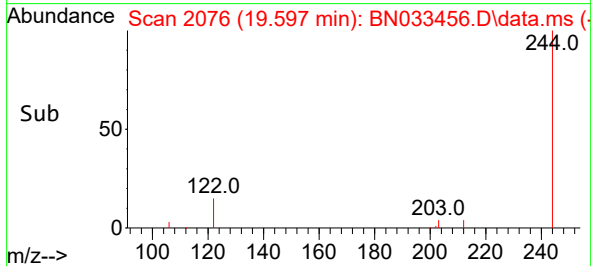
Instrument : BNA_N
 ClientSampleId : 922-K1-SD-0-0.5-081224



Tgt Ion:244 Resp: 5719
 Ion Ratio Lower Upper
 244 100
 212 13.9 7.7 11.5
 122 19.5 14.0 21.0

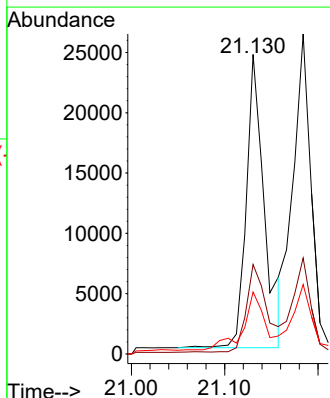
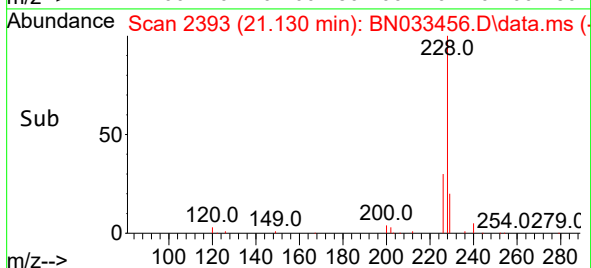
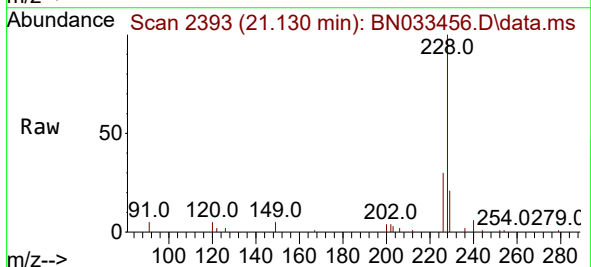
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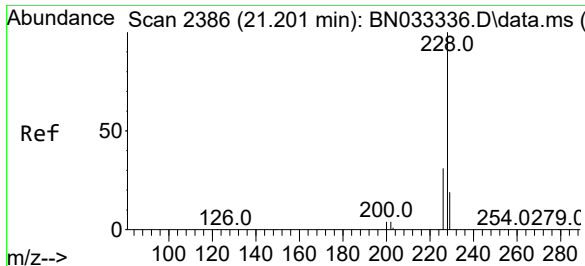
Reviewed By :Jagrut Upadhyay 08/19/2024
 Supervised By :mohammad ahmed 08/21/2024



#32
 Benzo(a)anthracene
 Concen: 0.503 ng
 RT: 21.130 min Scan# 2393
 Delta R.T. -0.009 min
 Lab File: BN033456.D
 Acq: 17 Aug 2024 07:15

Tgt Ion:228 Resp: 32920
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.6 32.4
 229 20.6 15.9 23.9





#33

Chrysene

Concen: 0.529 ng

RT: 21.184 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN033456.D

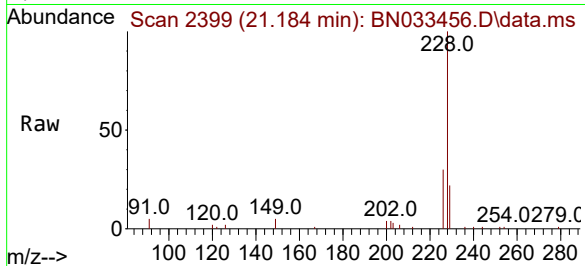
Acq: 17 Aug 2024 07:15

Instrument :

BNA_N

ClientSampleId :

922-K1-SD-0-0.5-081224

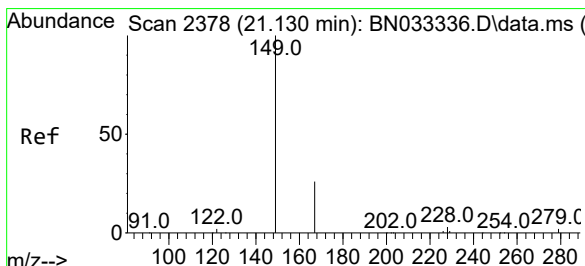
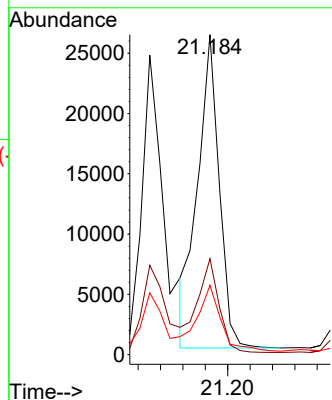
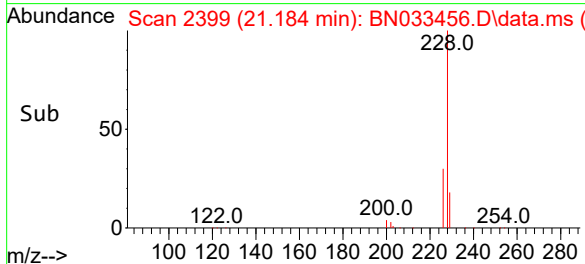


Tgt Ion:	228	Resp:	34814
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.7	37.1
229	21.7	15.4	23.2

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Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.133 ng

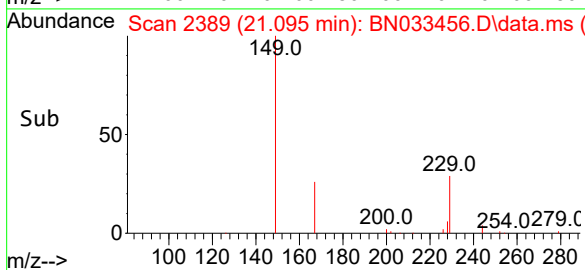
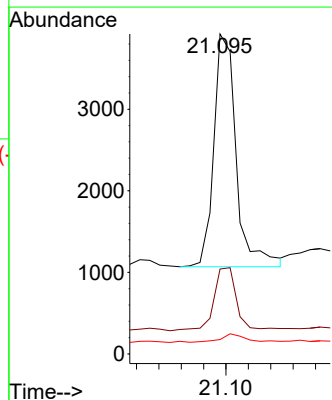
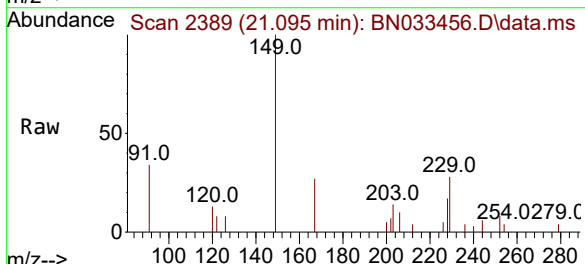
RT: 21.095 min Scan# 2389

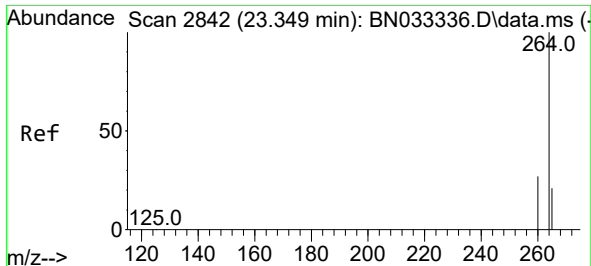
Delta R.T. -0.018 min

Lab File: BN033456.D

Acq: 17 Aug 2024 07:15

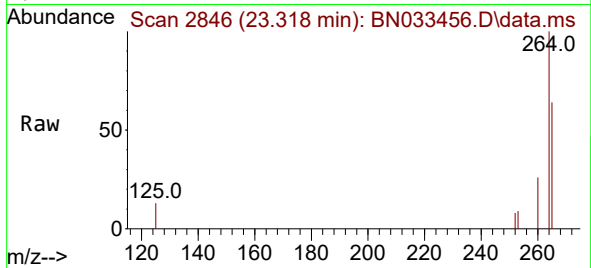
Tgt Ion:	149	Resp:	3961
Ion Ratio	Lower	Upper	
149	100		
167	28.5	20.9	31.3
279	4.6	2.2	3.4





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.318 min Scan# 2846
Delta R.T. -0.015 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

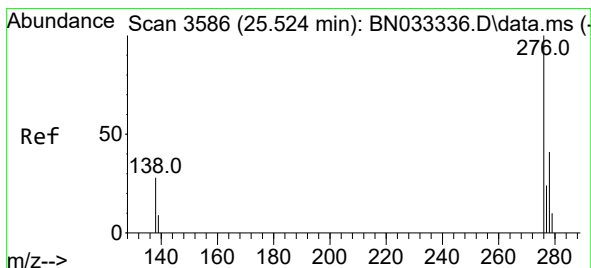
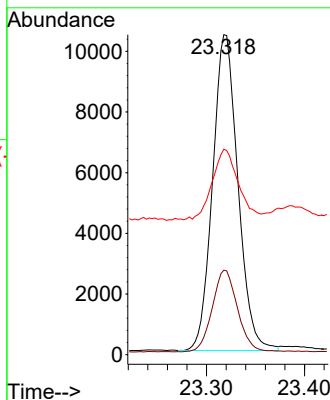
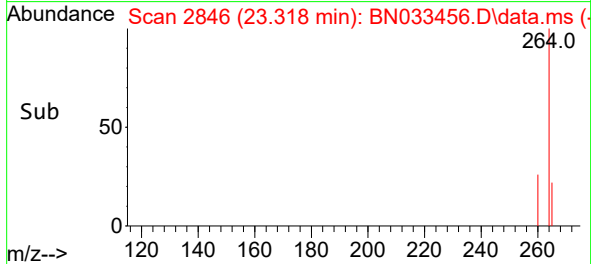
Instrument : BNA_N
ClientSampleId : 922-K1-SD-0-0.5-081224



Tgt Ion:264 Resp: 1869
Ion Ratio Lower Upper
264 100
260 26.4 21.6 32.4
265 64.2 29.3 43.9

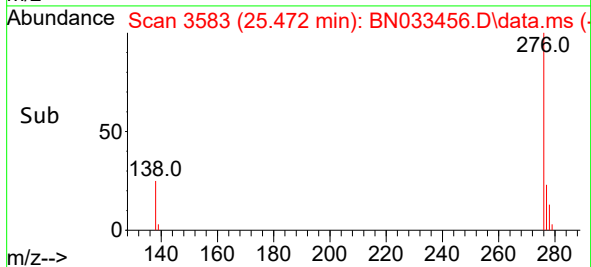
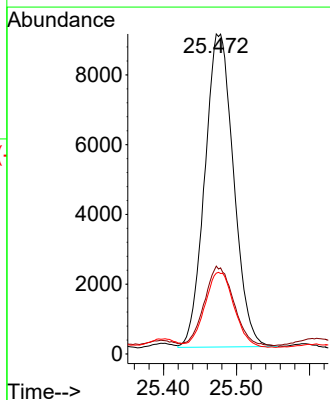
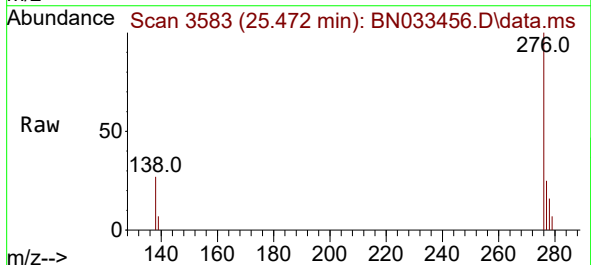
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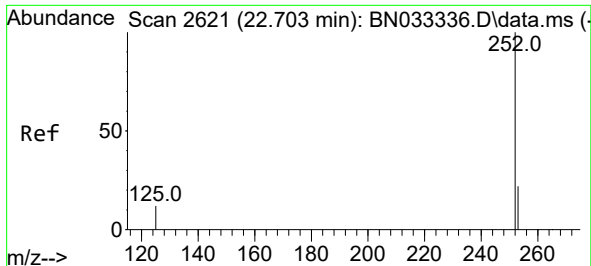
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.319 ng
RT: 25.472 min Scan# 3583
Delta R.T. -0.026 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

Tgt Ion:276 Resp: 24652
Ion Ratio Lower Upper
276 100
138 25.7 24.9 37.3
277 24.4 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.733 ng

RT: 22.677 min Scan# 2627

Delta R.T. -0.009 min

Lab File: BN033456.D

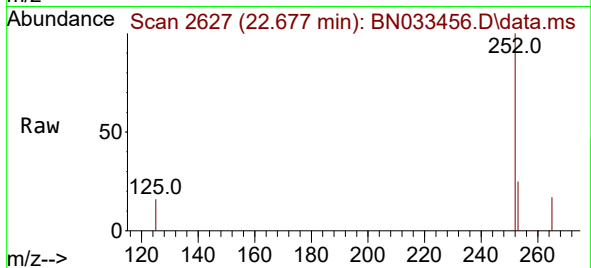
Acq: 17 Aug 2024 07:15

Instrument :

BNA_N

ClientSampleId :

922-K1-SD-0-0.5-081224

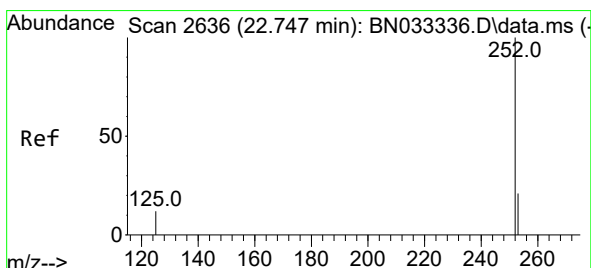
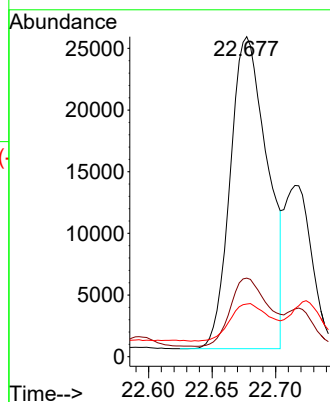
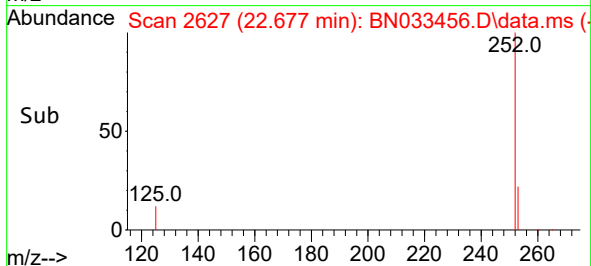


Tgt Ion:	252	Resp:	51578
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.2	27.2
125	16.4	11.3	16.9

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Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#38

Benzo(k)fluoranthene

Concen: 0.278 ng m

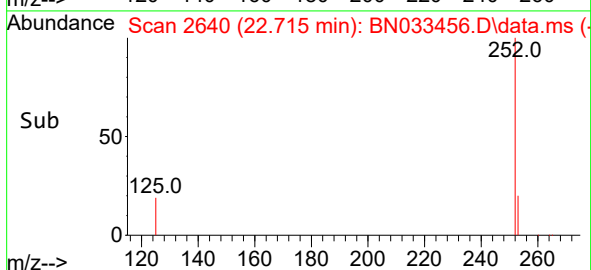
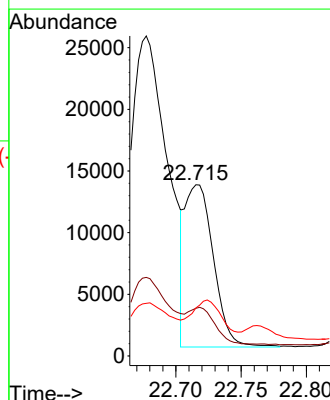
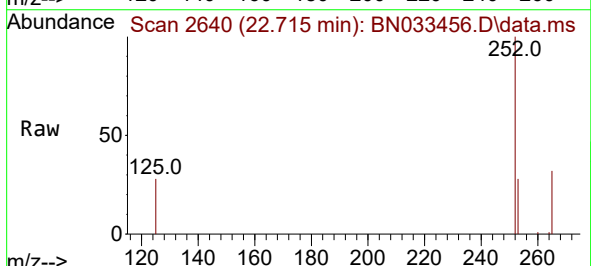
RT: 22.715 min Scan# 2640

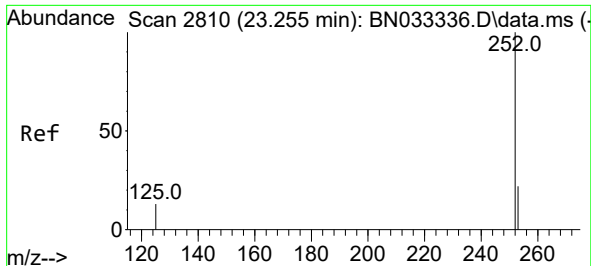
Delta R.T. -0.015 min

Lab File: BN033456.D

Acq: 17 Aug 2024 07:15

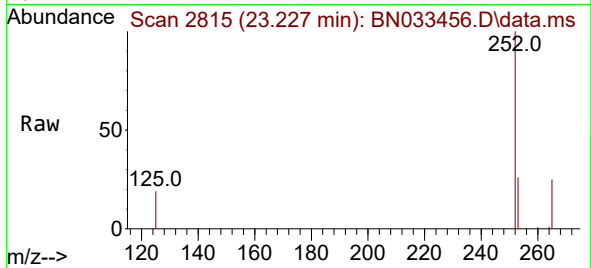
Tgt Ion:	252	Resp:	19972
Ion Ratio	Lower	Upper	
252	100		
253	27.8	17.9	26.9#
125	28.0	11.3	16.9#





#39
Benzo(a)pyrene
Concen: 0.501 ng
RT: 23.227 min Scan# 2815
Delta R.T. -0.012 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

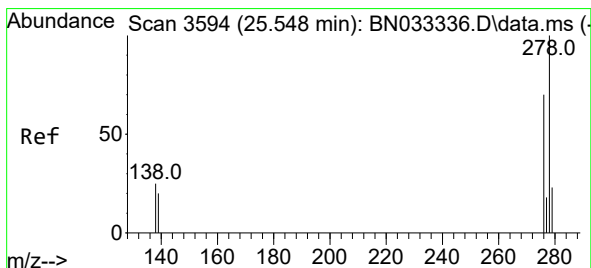
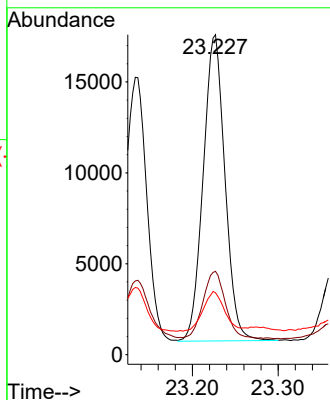
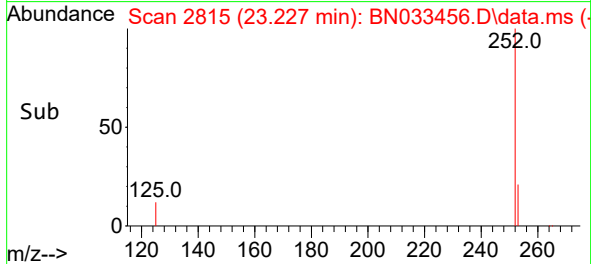
Instrument :
BNA_N
ClientSampleId :
922-K1-SD-0-0.5-081224



Tgt Ion:252 Resp: 29670
Ion Ratio Lower Upper
252 100
253 26.1 18.6 28.0
125 19.4 12.6 19.0

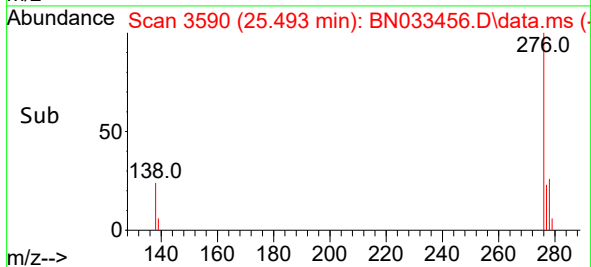
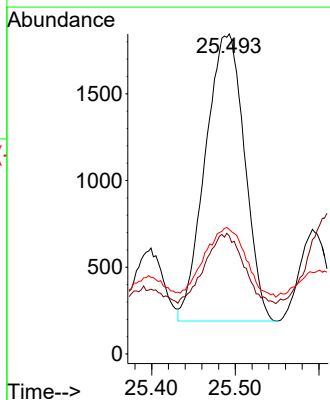
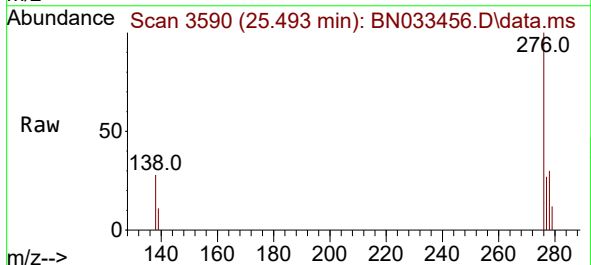
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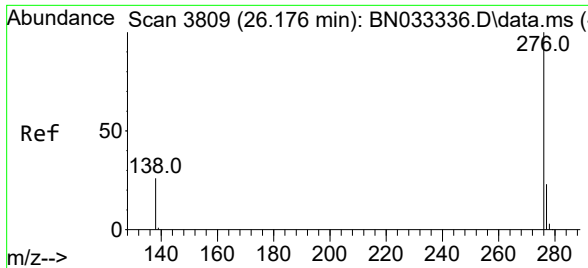
Reviewed By :Jagrut Upadhyay 08/19/2024
Supervised By :mohammad ahmed 08/21/2024



#40
Dibenzo(a,h)anthracene
Concen: 0.088 ng
RT: 25.493 min Scan# 3590
Delta R.T. -0.023 min
Lab File: BN033456.D
Acq: 17 Aug 2024 07:15

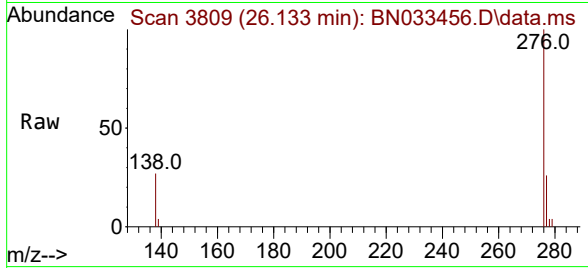
Tgt Ion:278 Resp: 5381
Ion Ratio Lower Upper
278 100
139 36.9 17.0 25.6#
279 39.0 20.0 30.0#





#41
 Benzo(g,h,i)perylene
 Concen: 0.374 ng
 RT: 26.133 min Scan# 3809
 Delta R.T. -0.017 min
 Lab File: BN033456.D
 Acq: 17 Aug 2024 07:15

Instrument :
 BNA_N
 ClientSampleId :
 922-K1-SD-0-0.5-081224



Tgt Ion:	276	Resp:	2532
Ion Ratio	Lower	Upper	
276	100		
277	25.6	19.4	29.2
138	27.1	21.6	32.4

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/19/2024
 Supervised By :mohammad ahmed 08/21/2024

