

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033588.D
 Acq On : 23 Aug 2024 14:10
 Operator : MA/JU
 Sample : P3641-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-908-K1-0.5-1.0-081524

Quant Time: Aug 23 14:59:19 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	7041	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	19222	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	9917	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	20181	0.400	ng	# 0.00
29) Chrysene-d12	21.139	240	15776	0.400	ng	# 0.00
35) Perylene-d12	23.309	264	18255	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	3946	0.176	ng	0.00
5) Phenol-d6	6.736	99	4820	0.181	ng	0.00
8) Nitrobenzene-d5	8.681	82	3465	0.217	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	5776	0.210	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	1286	0.241	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	8009	0.198	ng	0.00
27) Fluoranthene-d10	18.970	212	9897	0.204	ng	0.00
31) Terphenyl-d14	19.583	244	7148	0.199	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.357	128	8448	0.164	ng	97
12) 2-Methylnaphthalene	11.975	142	6719	0.207	ng	# 94
16) Acenaphthylene	13.900	152	16752	0.385	ng	99
17) Acenaphthene	14.242	154	10002	0.327	ng	98
18) Fluorene	15.236	166	13865	0.360	ng	93
25) Phenanthrene	16.967	178	285757	5.090	ng	100
26) Anthracene	17.066	178	57239	1.152	ng	97
28) Fluoranthene	19.003	202	647228	10.432	ng	100
30) Pyrene	19.365	202	526102	7.472	ng	# 95
32) Benzo(a)anthracene	21.121	228	262001	4.594	ng	97
33) Chrysene	21.175	228	274866	4.848	ng	98
34) Bis(2-ethylhexyl)phtha...	21.086	149	10118m	0.280	ng	
36) Indeno(1,2,3-cd)pyrene	25.463	276	229765	3.032	ng	# 93
37) Benzo(b)fluoranthene	22.665	252	442931	6.497	ng	# 93
38) Benzo(k)fluoranthene	22.706	252	153477m	2.287	ng	
39) Benzo(a)pyrene	23.215	252	269681m	4.781	ng	
40) Dibenzo(a,h)anthracene	25.469	278	51502	0.850	ng	97
41) Benzo(g,h,i)perylene	26.118	276	229194	3.537	ng	97

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

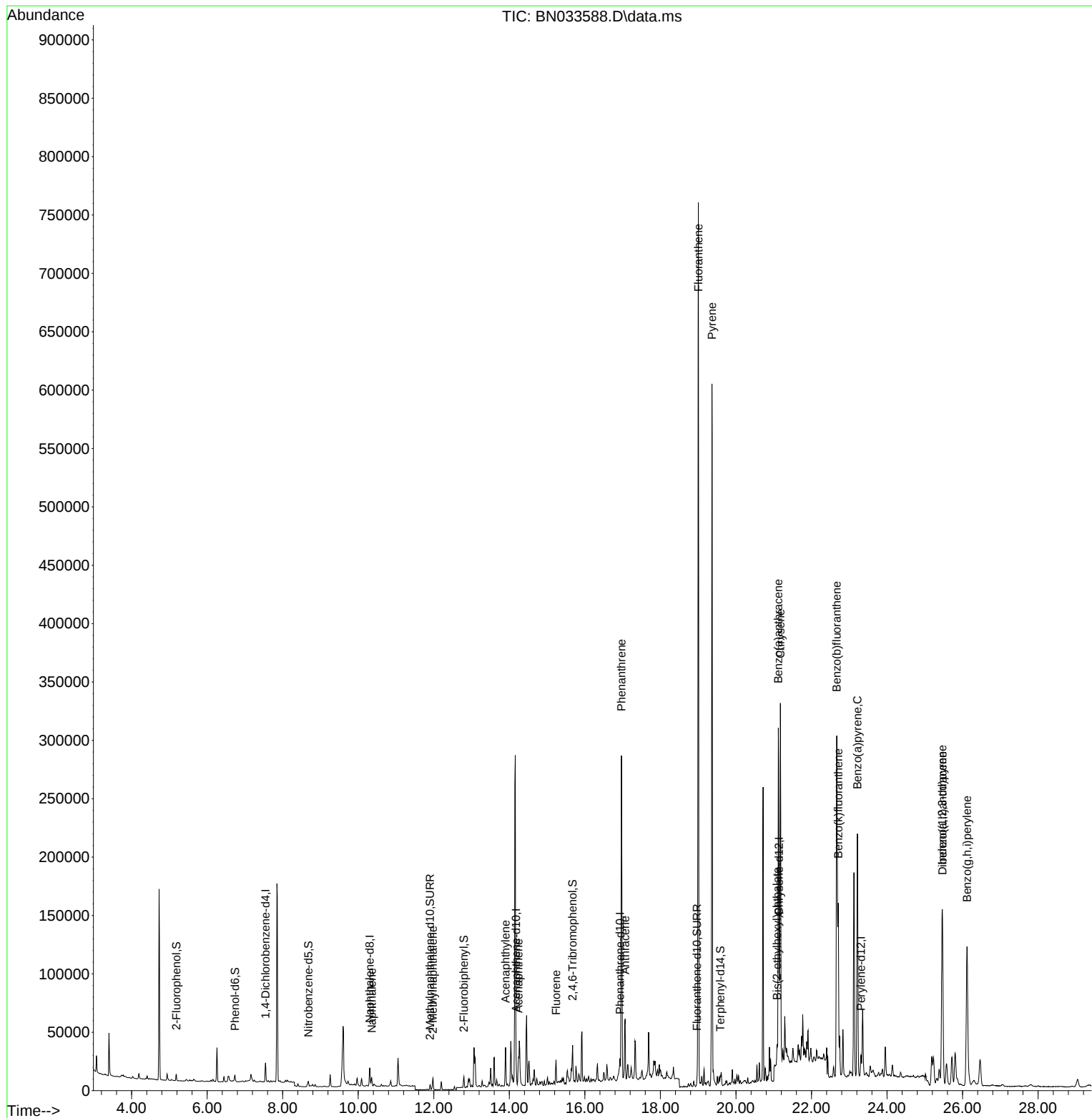
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
Data File : BN033588.D
Acq On : 23 Aug 2024 14:10
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ALS Vial : 8 Sample Multiplier: 1

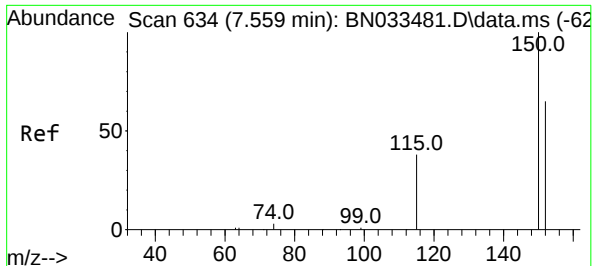
Instrument :
BNA_N
ClientSampleId :
S-908-K1-0.5-1.0-081524

Quant Time: Aug 23 14:59:19 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
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APPROVED

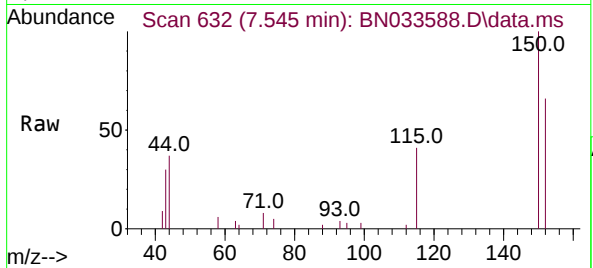
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

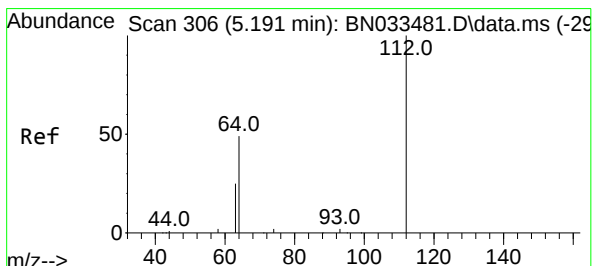
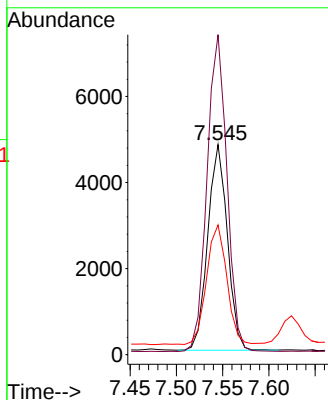
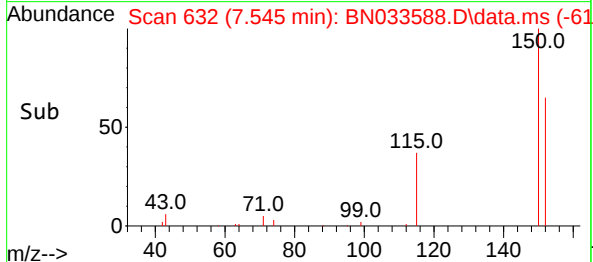
Instrument :
BNA_N
ClientSampleId :
S-908-K1-0.5-1.0-081524



Tgt Ion:152 Resp: 704
Ion Ratio Lower Upper
152 100
150 152.3 122.2 183.2
115 61.7 47.2 70.8

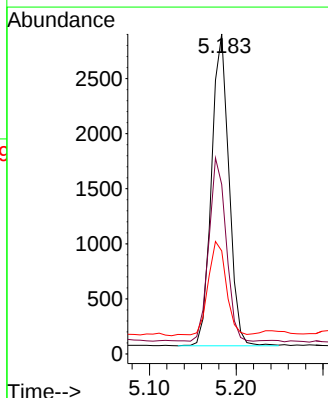
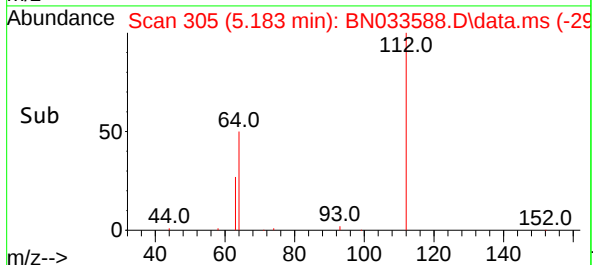
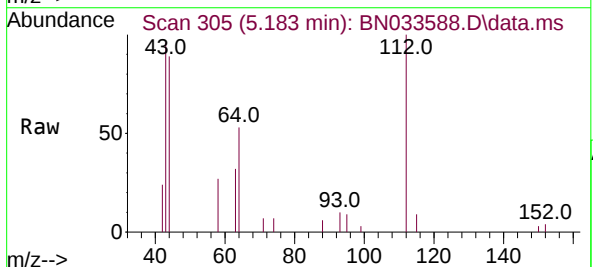
Manual Integrations
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Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#4
2-Fluorophenol
Concen: 0.176 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

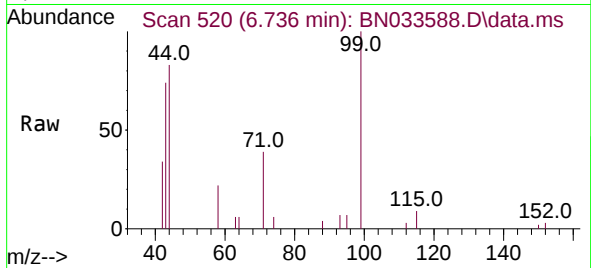
Tgt Ion:112 Resp: 3946
Ion Ratio Lower Upper
112 100
64 57.9 47.1 70.7
63 31.6 24.9 37.3





#5
Phenol-d6
Concen: 0.181 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

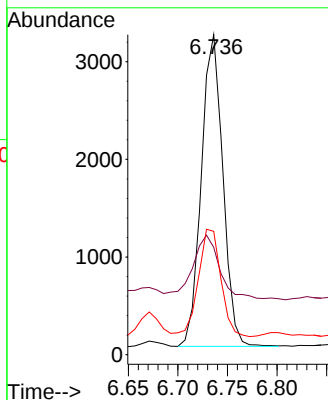
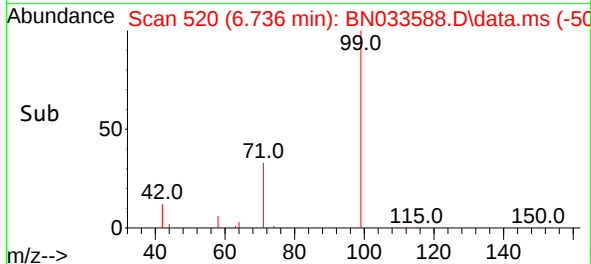
Instrument :
BNA_N
ClientSampleId :
S-908-K1-0.5-1.0-081524



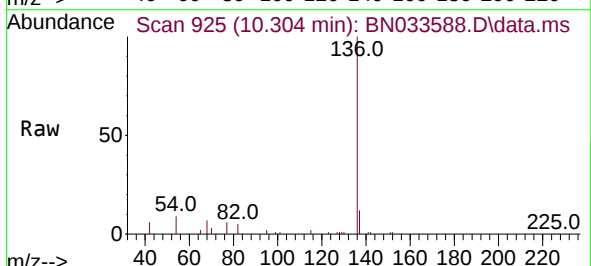
Tgt Ion: 99 Resp: 4820
Ion Ratio Lower Upper
99 100
42 25.4 16.6 24.8
71 36.2 26.2 39.4

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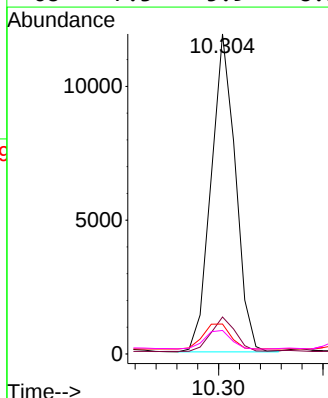
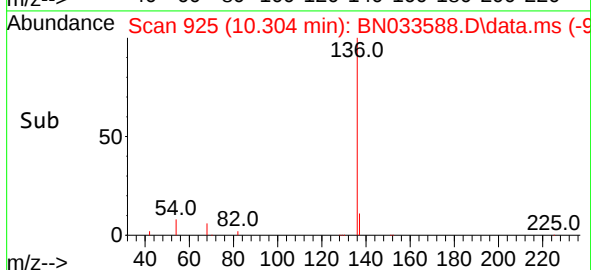
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10



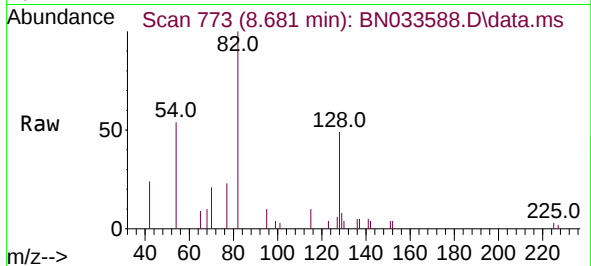
Tgt Ion:136 Resp: 19222
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 9.3 8.3 12.5
68 7.3 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.217 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

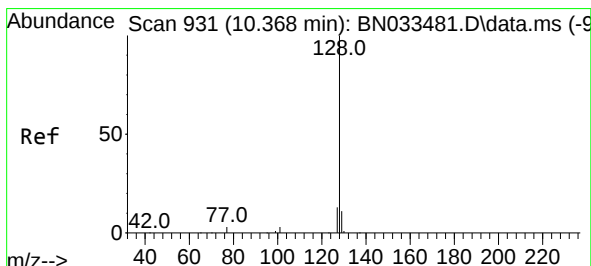
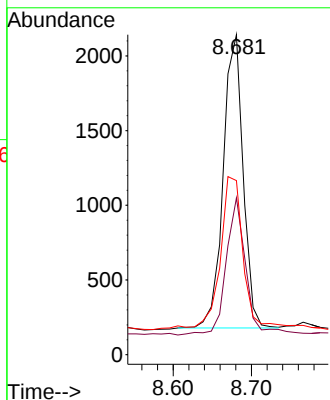
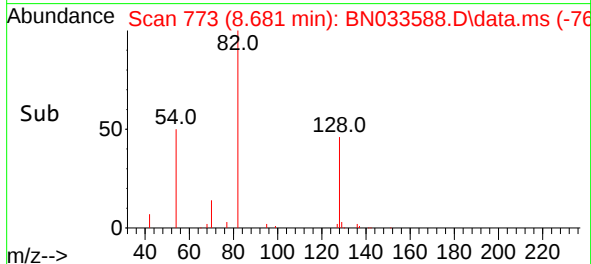
Instrument :
BNA_N
ClientSampleId :
S-908-K1-0.5-1.0-081524



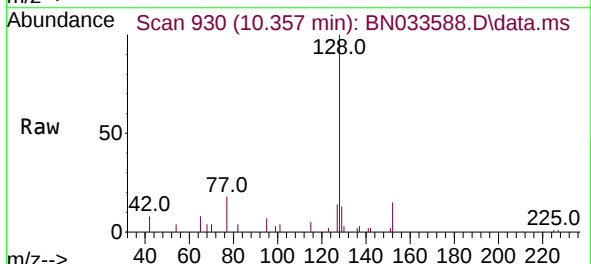
Tgt Ion: 82 Resp: 346
Ion Ratio Lower Upper
82 100
128 49.0 36.0 54.0
54 54.4 42.0 63.0

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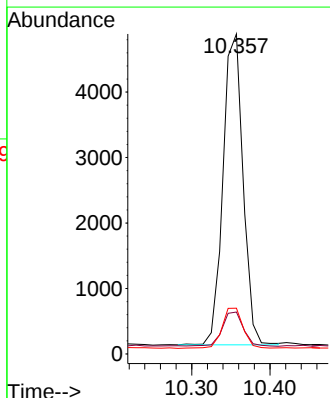
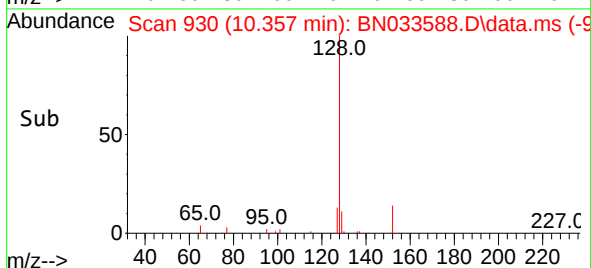
Reviewed By :Yogesh Patel 08/24/2024
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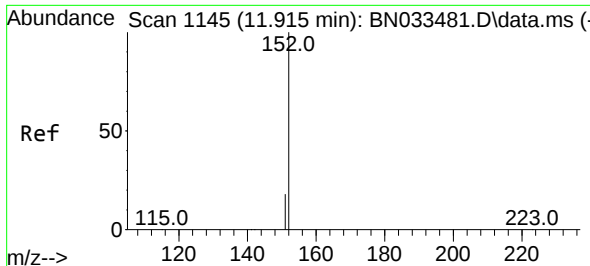


#9
Naphthalene
Concen: 0.164 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10



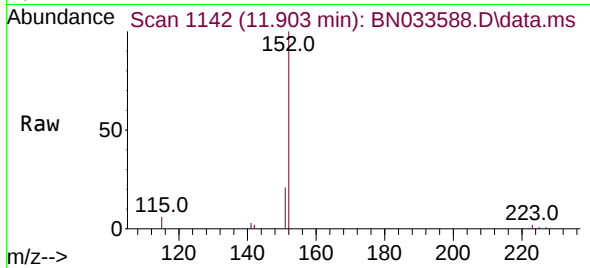
Tgt Ion:128 Resp: 8448
Ion Ratio Lower Upper
128 100
129 13.1 9.1 13.7
127 14.3 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.210 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

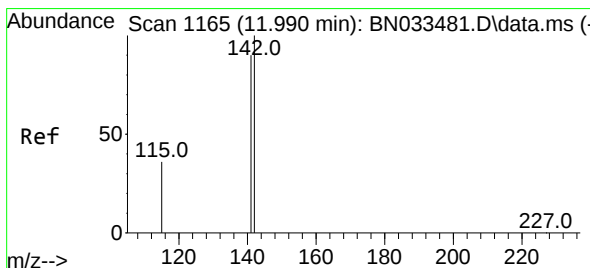
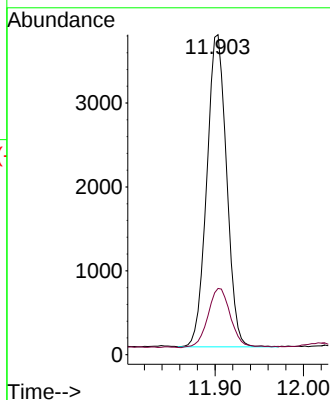
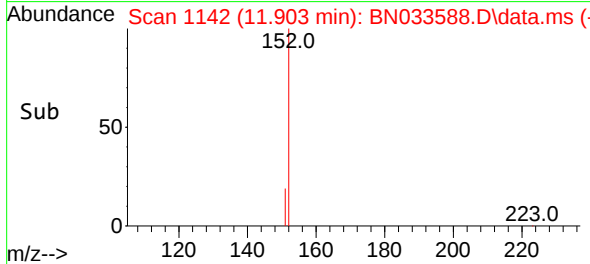
Instrument :
BNA_N
ClientSampleId :
S-908-K1-0.5-1.0-081524



Tgt Ion:152 Resp: 5770
Ion Ratio Lower Upper
152 100
151 21.8 16.6 25.0

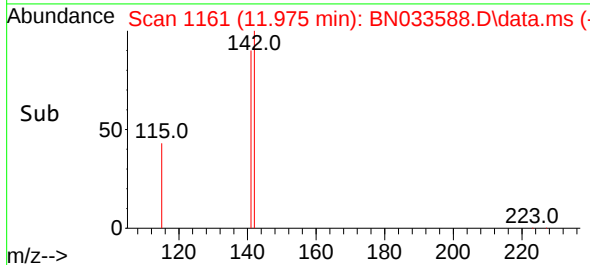
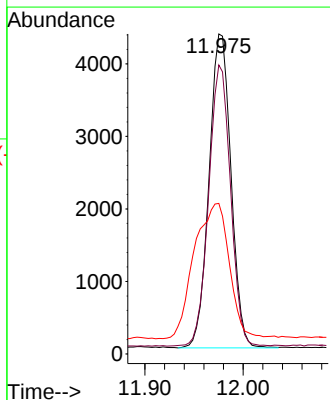
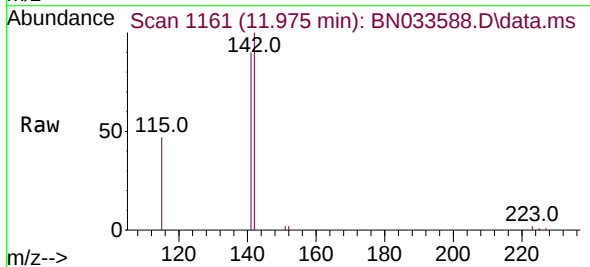
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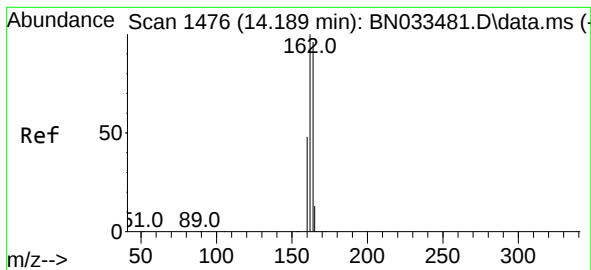
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#12
2-Methylnaphthalene
Concen: 0.207 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

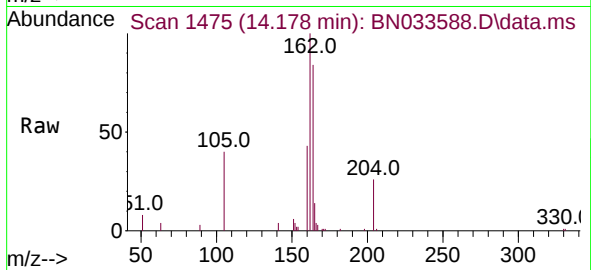
Tgt Ion:142 Resp: 6719
Ion Ratio Lower Upper
142 100
141 90.3 71.7 107.5
115 47.0 29.4 44.2#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

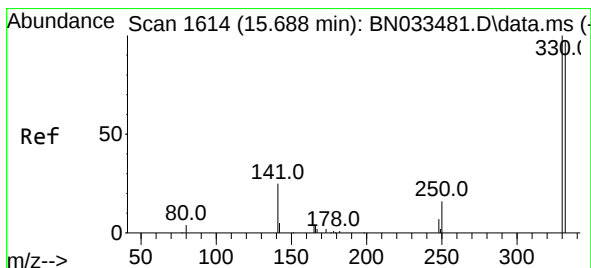
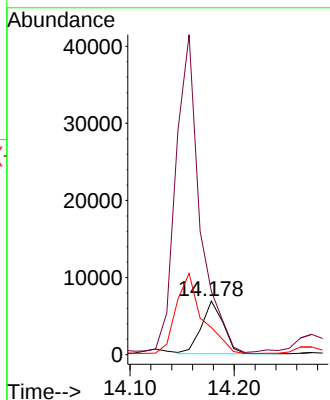
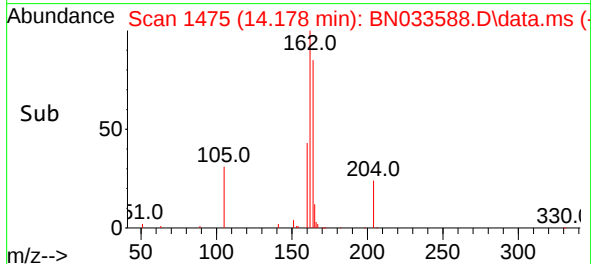
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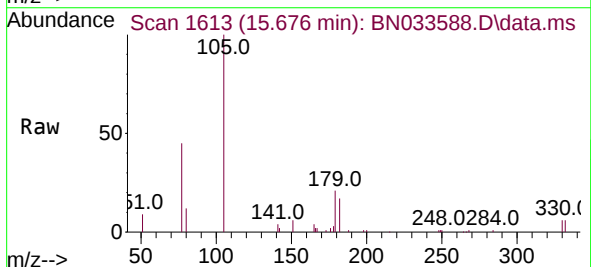
Tgt Ion:164 Resp: 991
Ion Ratio Lower Upper
164 100
162 118.8 83.5 125.3
160 50.9 40.2 60.4

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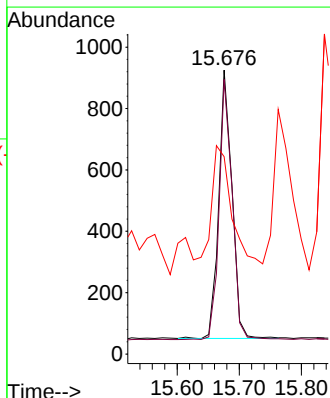
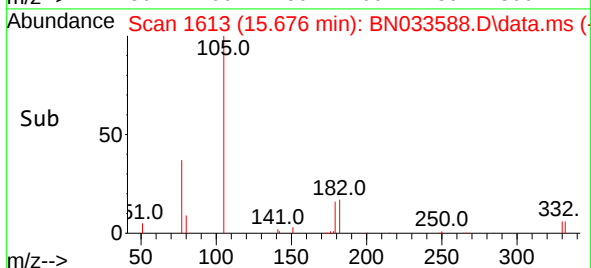
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Supervised By :mohammad ahmed 08/29/2024

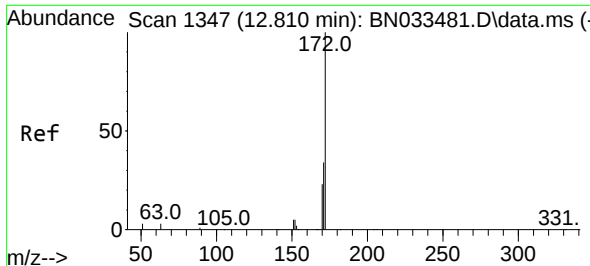


#14
2,4,6-Tribromophenol
Concen: 0.241 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10



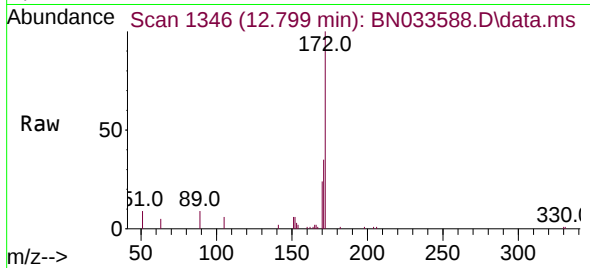
Tgt Ion:330 Resp: 1286
Ion Ratio Lower Upper
330 100
332 95.7 77.5 116.3
141 64.0 33.9 50.9#





#15
2-Fluorobiphenyl
Concen: 0.198 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

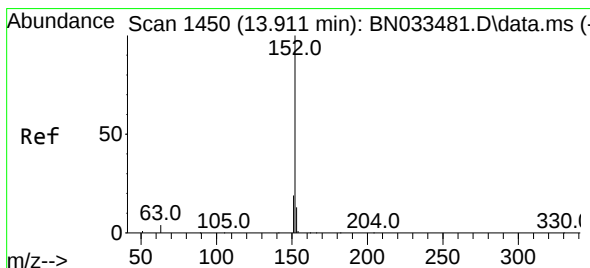
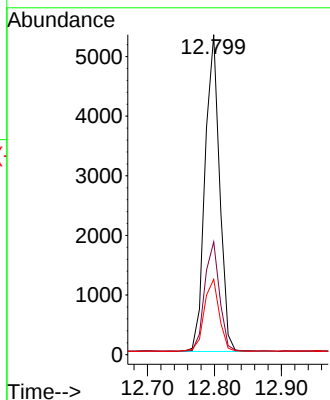
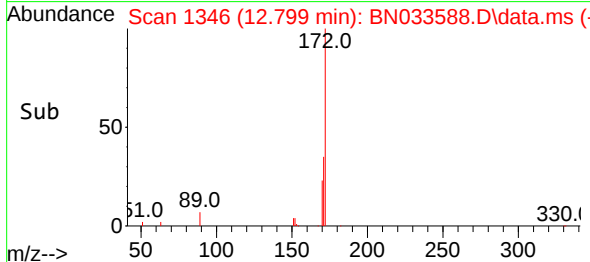
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Tgt Ion:172 Resp: 8009
Ion Ratio Lower Upper
172 100
171 35.3 27.7 41.5
170 23.6 18.3 27.5

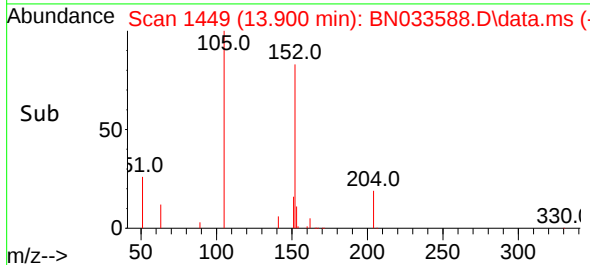
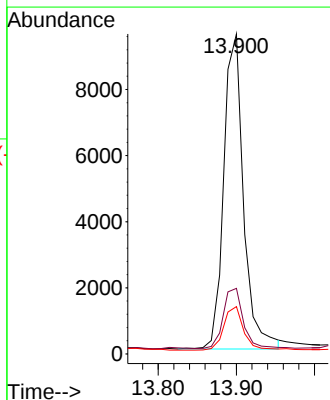
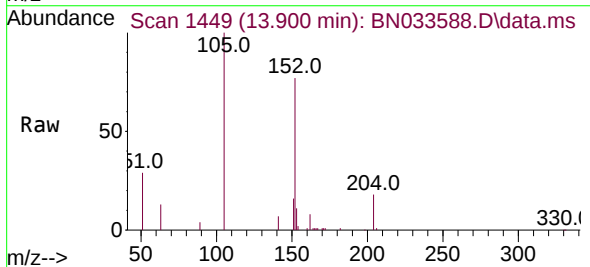
Manual Integrations
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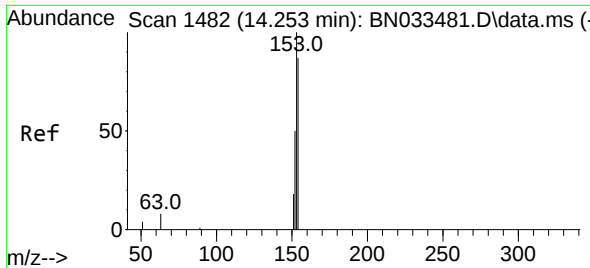
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#16
Acenaphthylene
Concen: 0.385 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

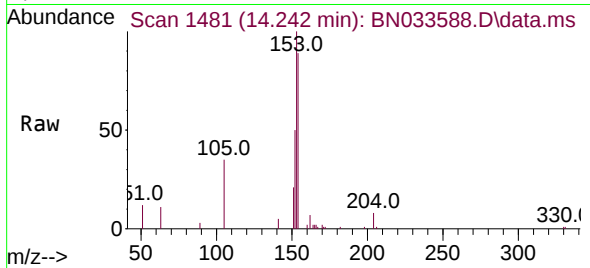
Tgt Ion:152 Resp: 16752
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 13.8 10.3 15.5





#17
Acenaphthene
Concen: 0.327 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

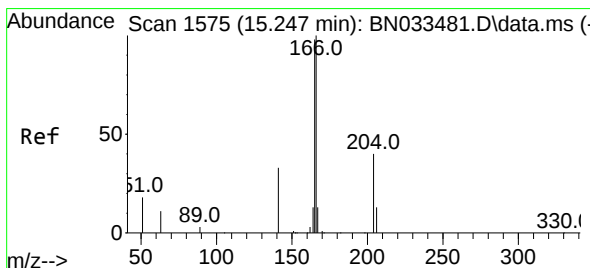
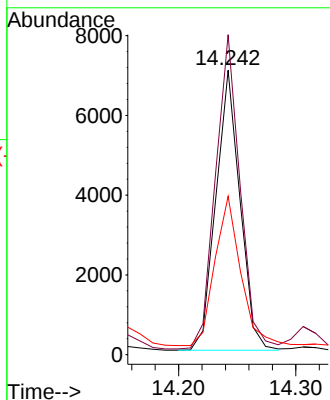
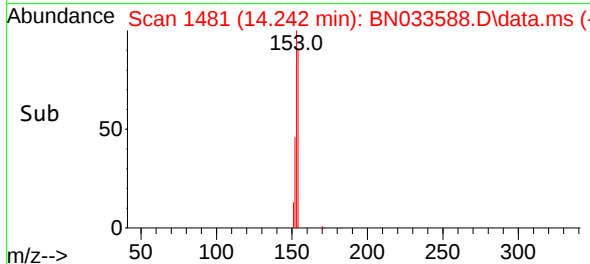
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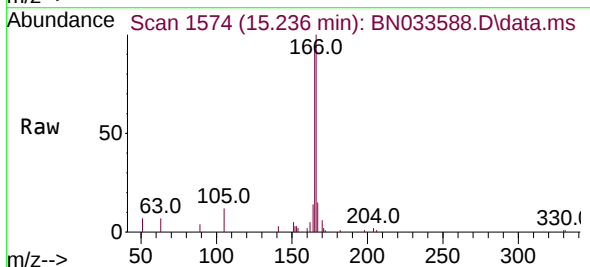
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Ion Ratio Lower Upper
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152 57.3 45.2 67.8

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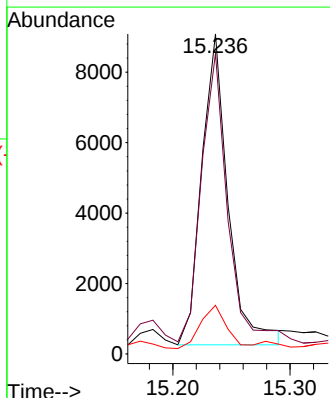
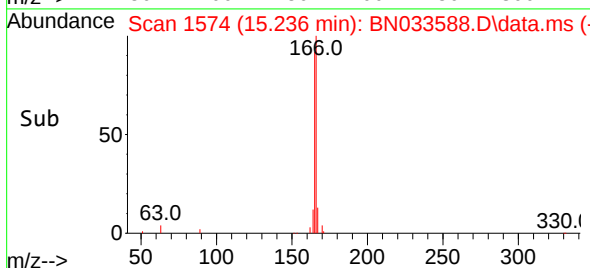
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

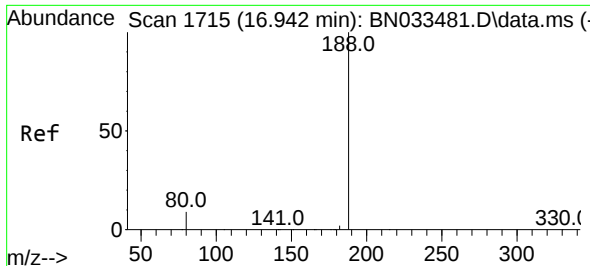


#18
Fluorene
Concen: 0.360 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10



Tgt Ion:166 Resp: 13865
Ion Ratio Lower Upper
166 100
165 90.6 78.2 117.4
167 13.9 10.6 16.0





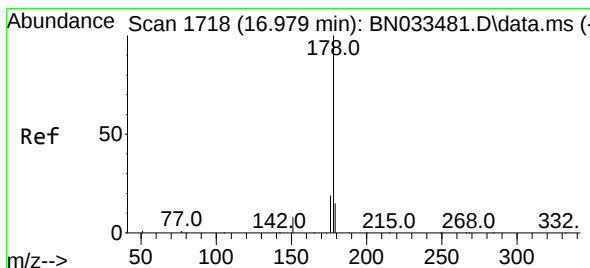
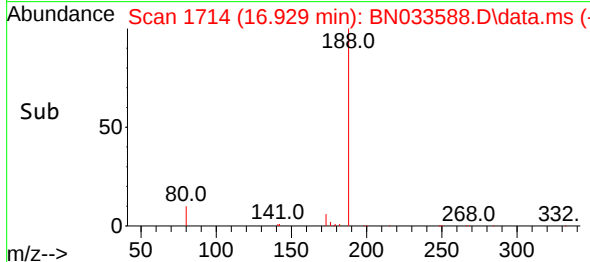
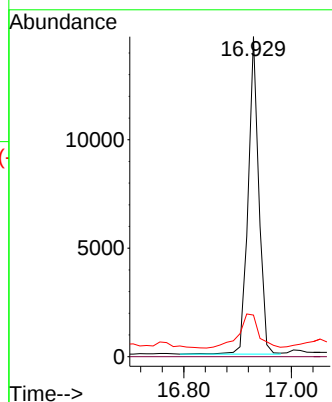
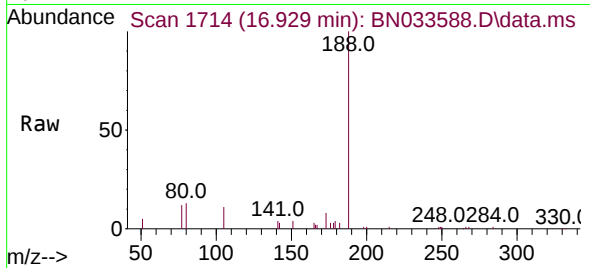
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

Instrument :
BNA_N
ClientSampleId :
S-908-K1-0.5-1.0-081524

Tgt Ion:188 Resp: 2018
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.0 7.8 11.8

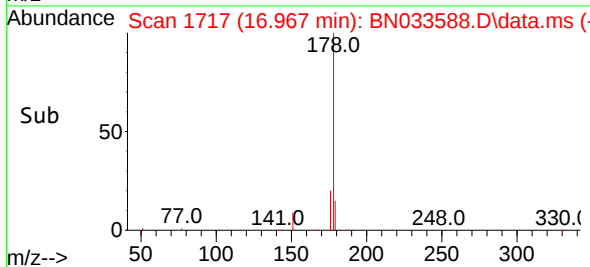
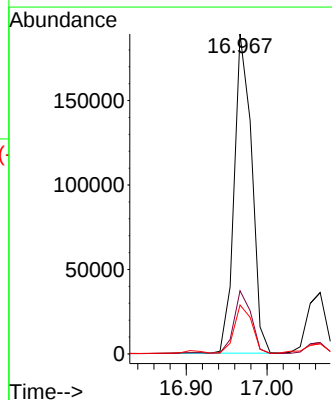
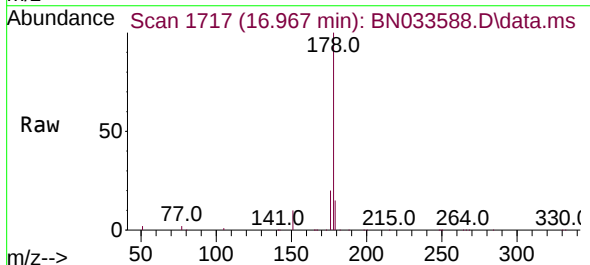
Manual Integrations
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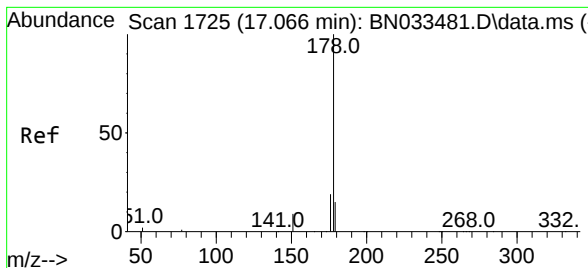
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#25
Phenanthrene
Concen: 5.090 ng
RT: 16.967 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

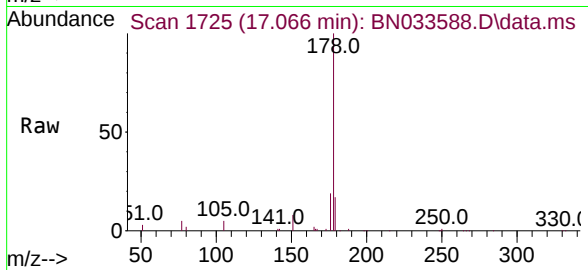
Tgt Ion:178 Resp: 285757
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.1 12.3 18.5





#26
 Anthracene
 Concen: 1.152 ng
 RT: 17.066 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN033588.D
 Acq: 23 Aug 2024 14:10

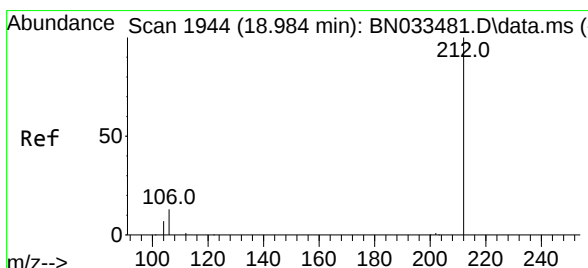
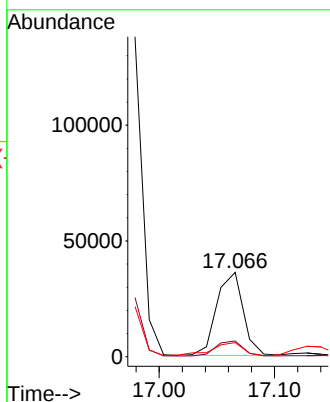
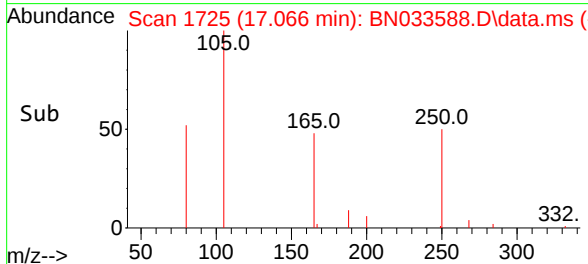
Instrument :
 BNA_N
 ClientSampleId :
 S-908-K1-0.5-1.0-081524



Tgt Ion:178 Resp: 57239
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.0 22.6
 179 17.8 12.4 18.6

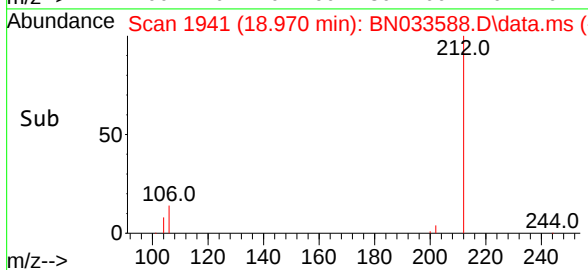
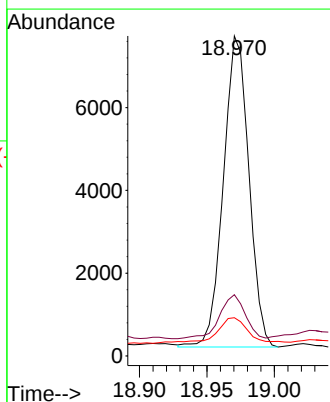
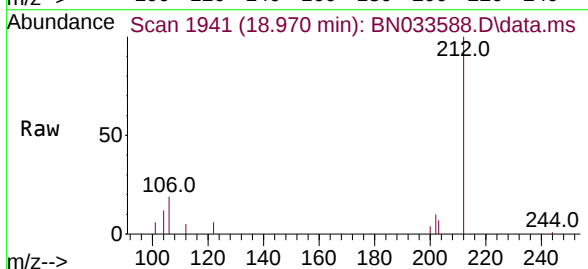
Manual Integrations
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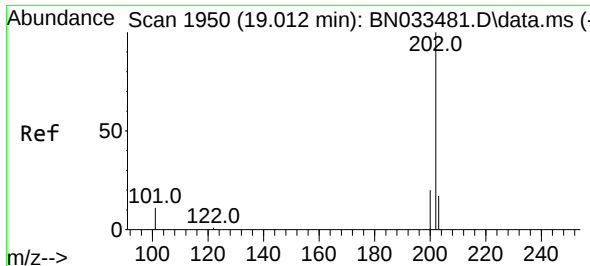
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024



#27
 Fluoranthene-d10
 Concen: 0.204 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: BN033588.D
 Acq: 23 Aug 2024 14:10

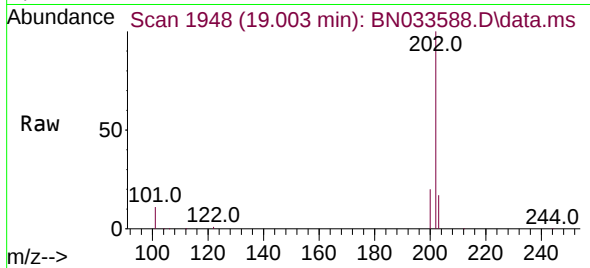
Tgt Ion:212 Resp: 9897
 Ion Ratio Lower Upper
 212 100
 106 14.1 12.3 18.5
 104 10.2 7.0 10.4





#28
Fluoranthene
Concen: 10.432 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

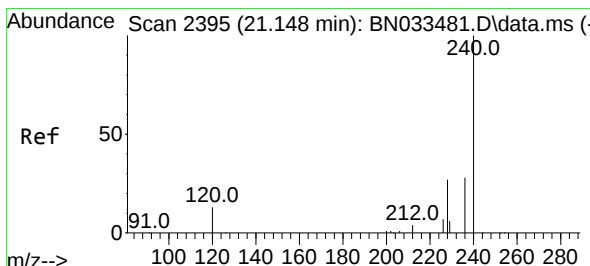
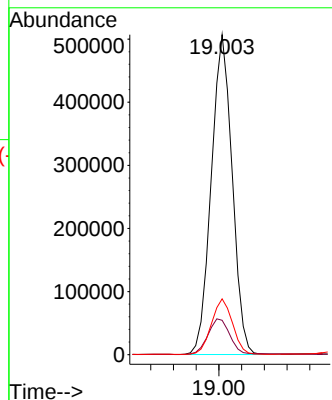
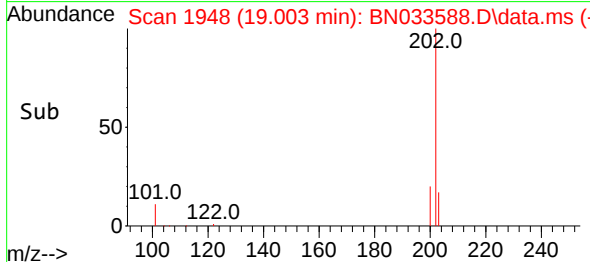
Instrument :
BNA_N
ClientSampleId :
S-908-K1-0.5-1.0-081524



Tgt Ion:202 Resp: 647228
Ion Ratio Lower Upper
202 100
101 11.8 9.5 14.3
203 17.4 13.8 20.6

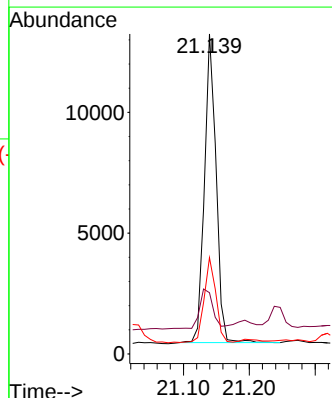
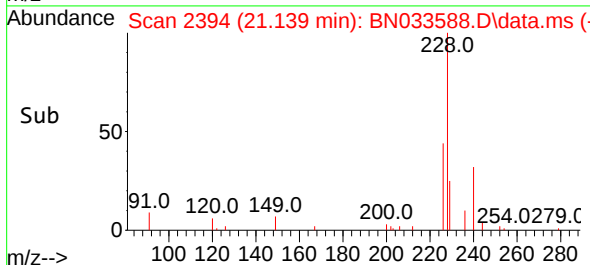
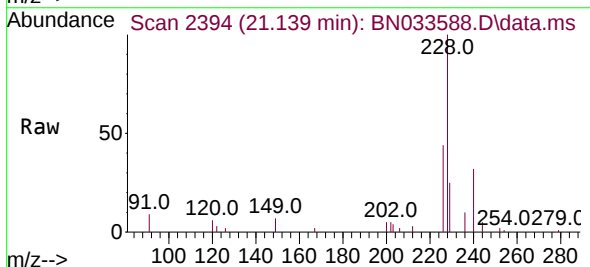
Manual Integrations
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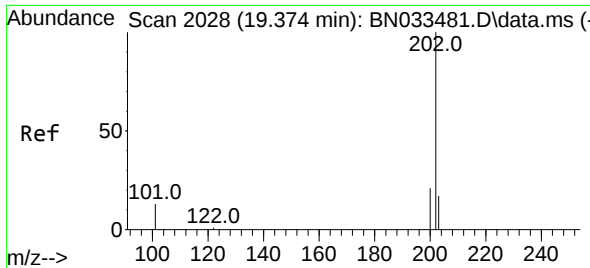
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

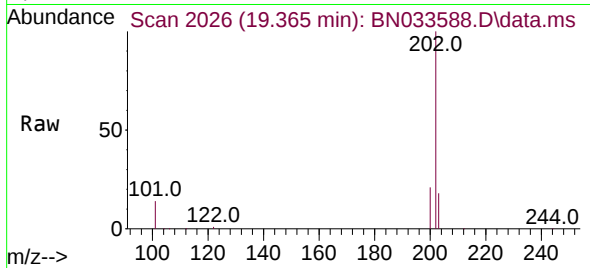
Tgt Ion:240 Resp: 15776
Ion Ratio Lower Upper
240 100
120 19.2 12.4 18.6#
236 30.1 23.0 34.6





#30
Pyrene
Concen: 7.472 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

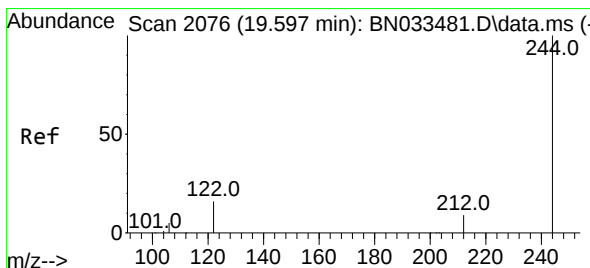
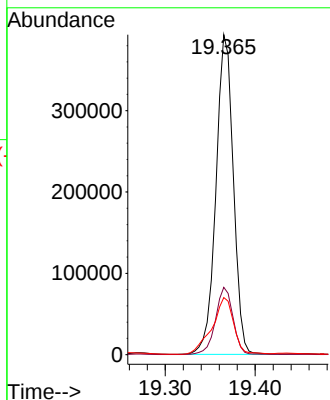
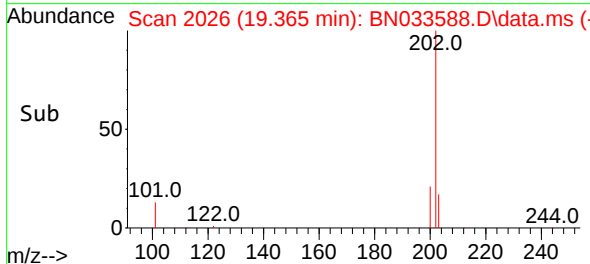
Instrument :
BNA_N
ClientSampleId :
S-908-K1-0.5-1.0-081524



Tgt Ion:202 Resp: 52610
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 22.1 14.2 21.4

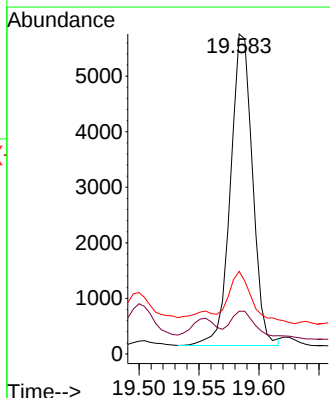
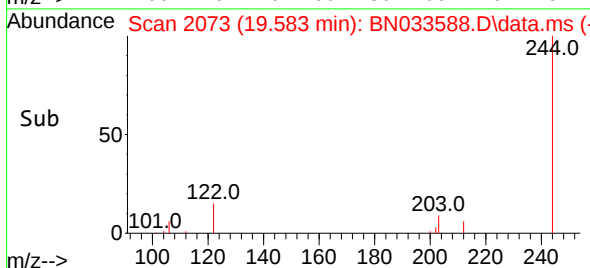
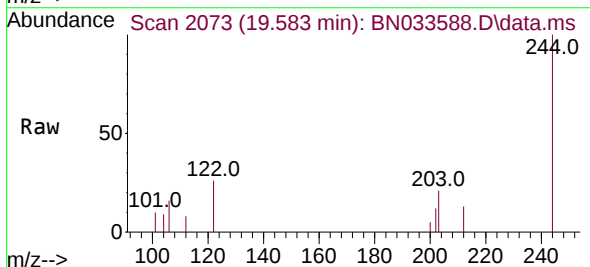
Manual Integrations
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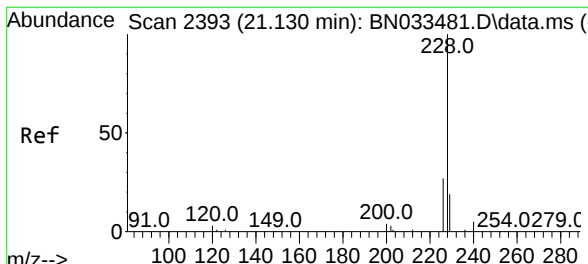
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#31
Terphenyl-d14
Concen: 0.199 ng
RT: 19.583 min Scan# 2073
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

Tgt Ion:244 Resp: 7148
Ion Ratio Lower Upper
244 100
212 13.3 7.8 11.6#
122 25.8 13.3 19.9#





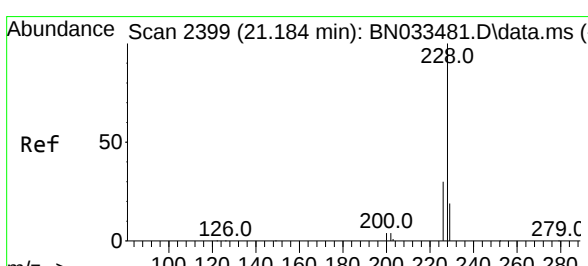
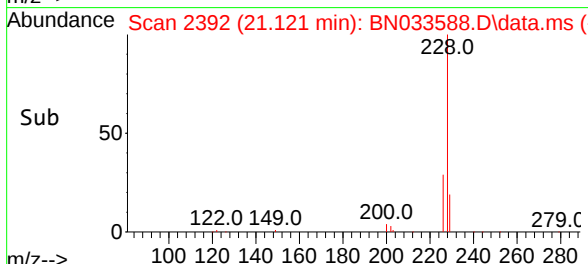
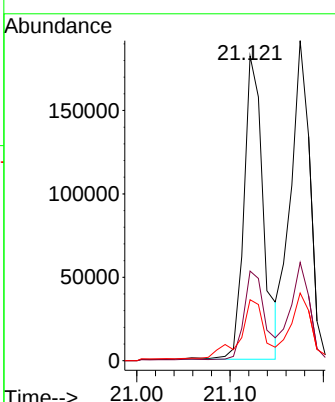
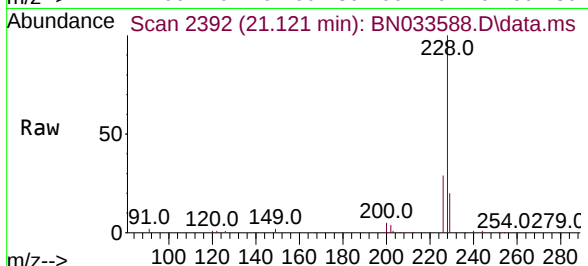
#32
 Benzo(a)anthracene
 Concen: 4.594 ng
 RT: 21.121 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: BN033588.D
 Acq: 23 Aug 2024 14:10

Instrument : BNA_N
 ClientSampleId : S-908-K1-0.5-1.0-081524

Tgt Ion:228 Resp: 26200

Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.8	32.6
229	20.0	15.8	23.6

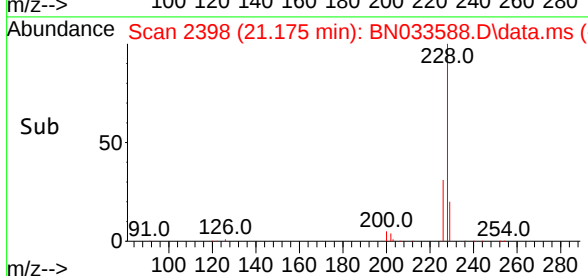
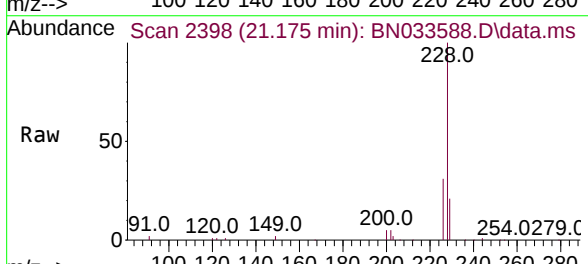
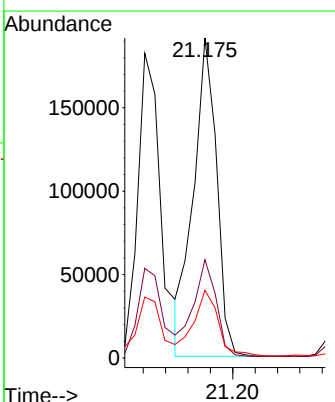
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 Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024

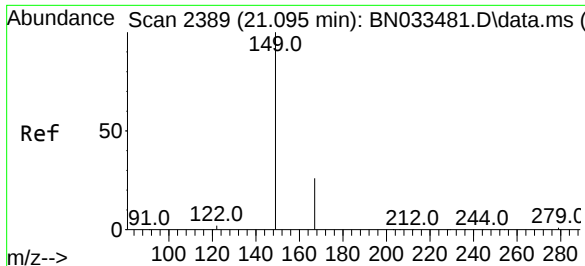


#33
 Chrysene
 Concen: 4.848 ng
 RT: 21.175 min Scan# 2398
 Delta R.T. -0.000 min
 Lab File: BN033588.D
 Acq: 23 Aug 2024 14:10

Tgt Ion:228 Resp: 274866

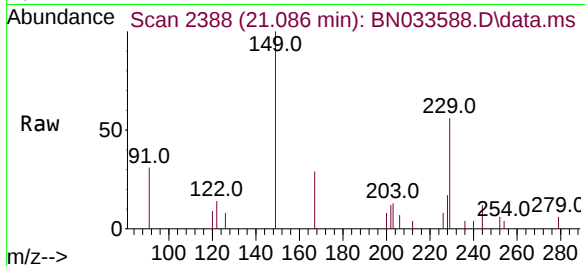
Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.8	35.8
229	21.2	15.6	23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.280 ng m
RT: 21.086 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

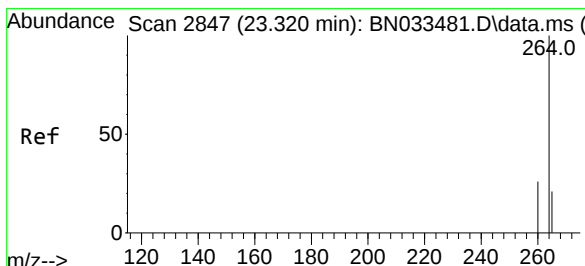
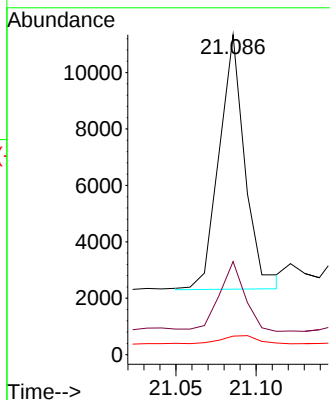
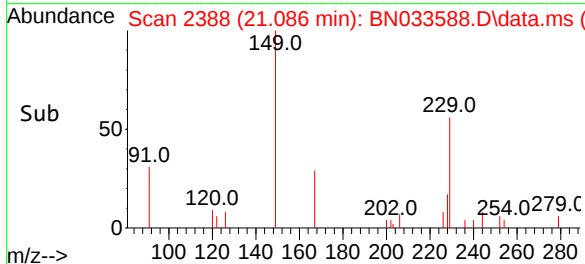
Instrument :
BNA_N
ClientSampleId :
S-908-K1-0.5-1.0-081524



Tgt Ion:149 Resp: 10118
Ion Ratio Lower Upper
149 100
167 39.3 21.5 32.3
279 32.0 2.2 3.2

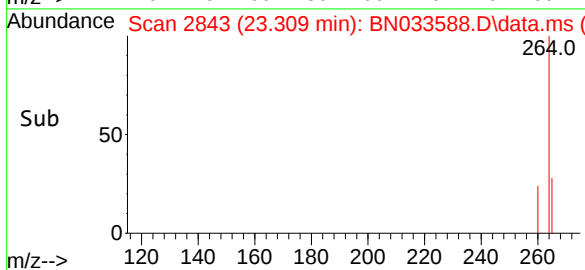
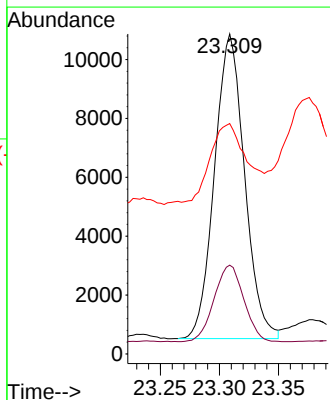
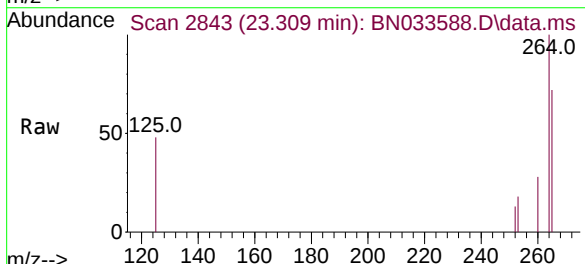
Manual Integrations
APPROVED

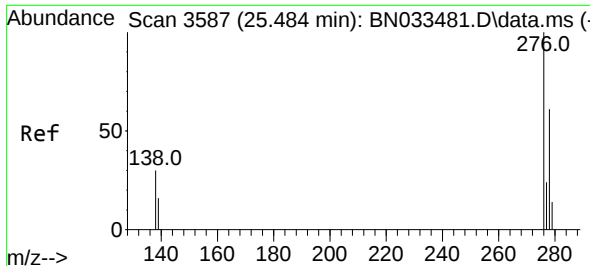
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.309 min Scan# 2843
Delta R.T. 0.006 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

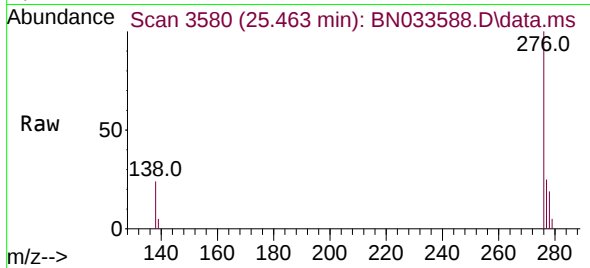
Tgt Ion:264 Resp: 18255
Ion Ratio Lower Upper
264 100
260 27.7 20.8 31.2
265 72.0 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 3.032 ng
RT: 25.463 min Scan# 3587
Delta R.T. 0.015 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

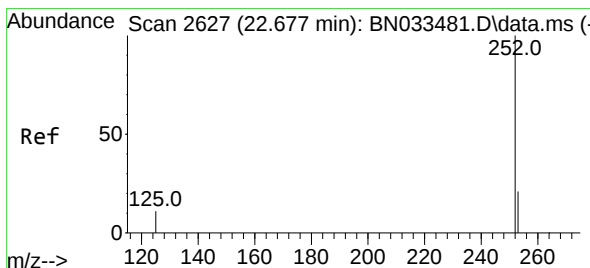
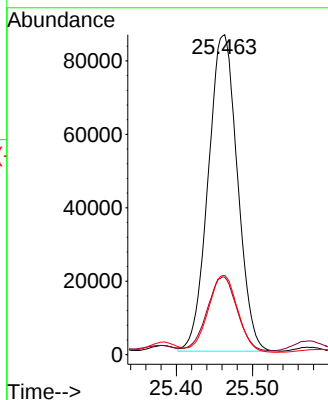
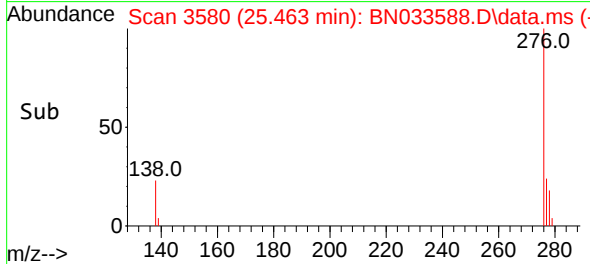
Instrument :
BNA_N
ClientSampleId :
S-908-K1-0.5-1.0-081524



Tgt Ion:276 Resp: 22976
Ion Ratio Lower Upper
276 100
138 23.8 24.4 36.6
277 24.4 19.8 29.6

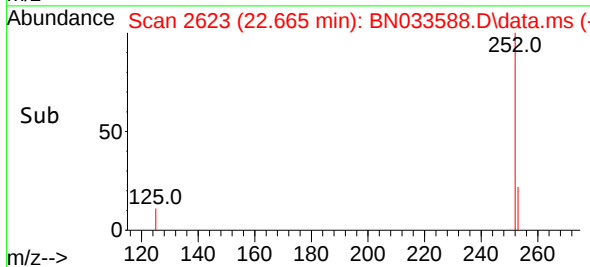
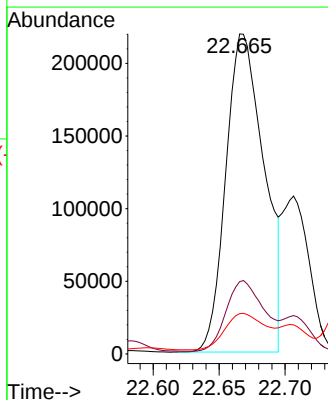
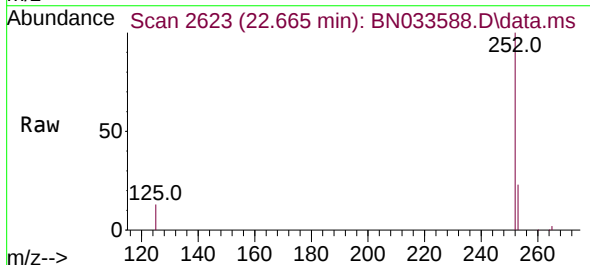
Manual Integrations
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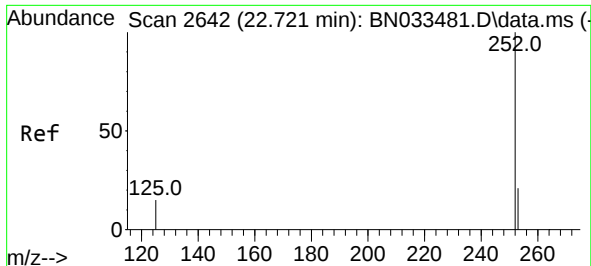
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#37
Benzo(b)fluoranthene
Concen: 6.497 ng
RT: 22.665 min Scan# 2623
Delta R.T. 0.006 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

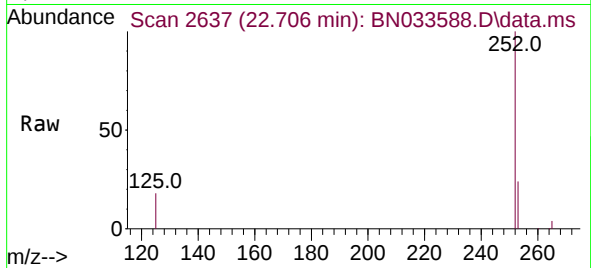
Tgt Ion:252 Resp: 442931
Ion Ratio Lower Upper
252 100
253 22.6 19.8 29.8
125 12.6 13.9 20.9





#38
Benzo(k)fluoranthene
Concen: 2.287 ng m
RT: 22.706 min Scan# 2637
Delta R.T. 0.003 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

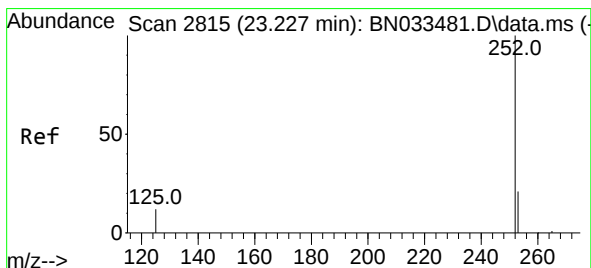
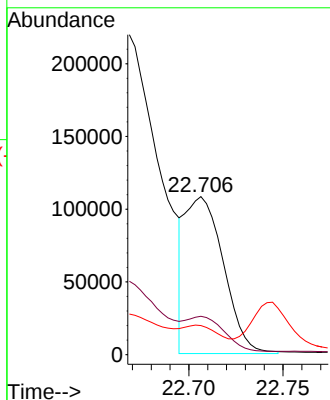
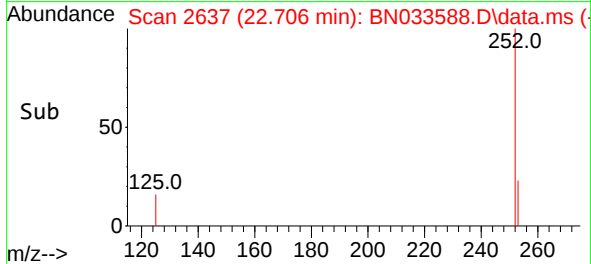
Instrument :
BNA_N
ClientSampleId :
S-908-K1-0.5-1.0-081524



Tgt Ion:252 Resp: 153477
Ion Ratio Lower Upper
252 100
253 24.3 19.8 29.8
125 18.4 15.8 23.8

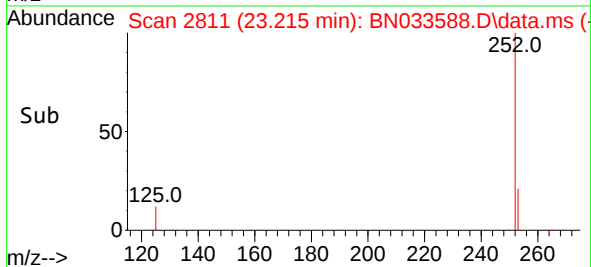
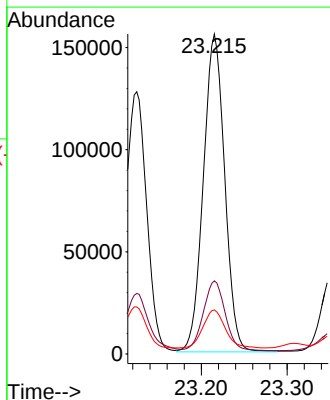
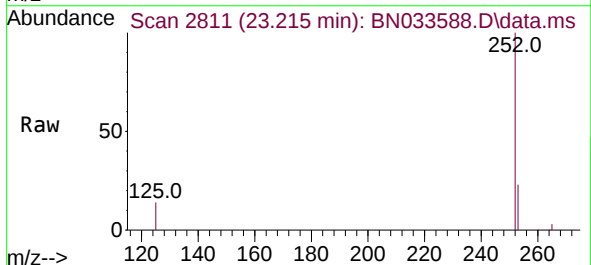
Manual Integrations
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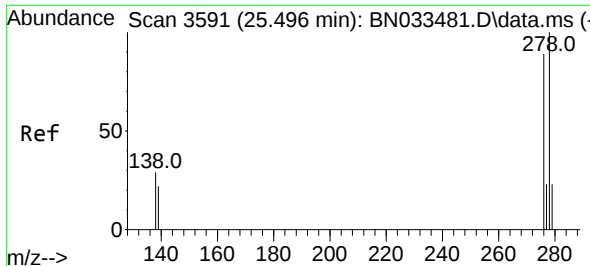
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#39
Benzo(a)pyrene
Concen: 4.781 ng m
RT: 23.215 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

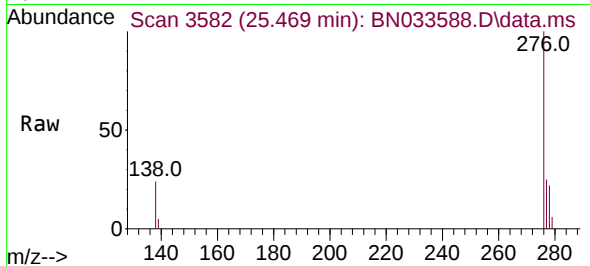
Tgt Ion:252 Resp: 269681
Ion Ratio Lower Upper
252 100
253 22.9 21.5 32.3
125 13.8 17.0 25.4#





#40
Dibenzo(a,h)anthracene
Concen: 0.850 ng
RT: 25.469 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

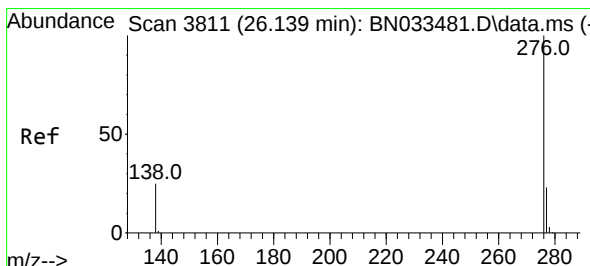
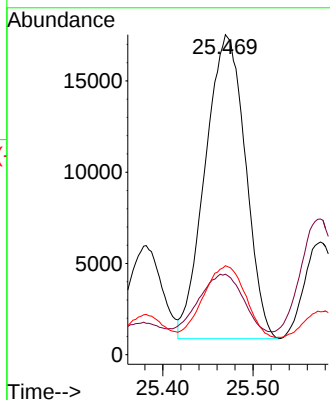
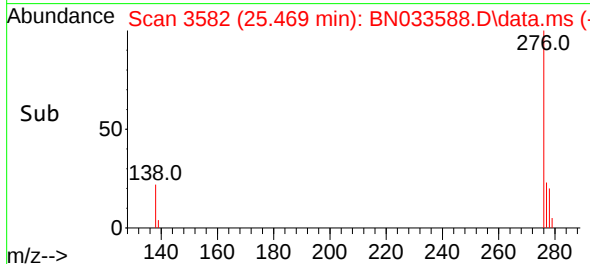
Instrument :
BNA_N
ClientSampleId :
S-908-K1-0.5-1.0-081524



Tgt Ion:278 Resp: 51502
Ion Ratio Lower Upper
278 100
139 25.1 19.1 28.7
279 27.8 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: 3.537 ng
RT: 26.118 min Scan# 3804
Delta R.T. 0.015 min
Lab File: BN033588.D
Acq: 23 Aug 2024 14:10

Tgt Ion:276 Resp: 229194
Ion Ratio Lower Upper
276 100
277 24.1 19.7 29.5
138 24.8 21.8 32.6

