

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033585.D
 Acq On : 23 Aug 2024 12:22
 Operator : MA/JU
 Sample : P3641-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-907-K1-0.5-1.0-081524

Quant Time: Aug 23 13:39:22 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	7624	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	20848	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	11131	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	22566	0.400	ng	# 0.00
29) Chrysene-d12	21.139	240	17579m	0.400	ng	0.00
35) Perylene-d12	23.309	264	20705	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4924	0.203	ng	0.00
5) Phenol-d6	6.736	99	6132	0.213	ng	0.00
8) Nitrobenzene-d5	8.681	82	4932	0.285	ng	0.00
11) 2-Methylnaphthalene-d10	11.900	152	7470	0.250	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	1577	0.264	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	10113	0.222	ng	0.00
27) Fluoranthene-d10	18.970	212	11457	0.211	ng	0.00
31) Terphenyl-d14	19.584	244	7904	0.198	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.346	128	10298	0.185	ng	95
12) 2-Methylnaphthalene	11.975	142	9286	0.263	ng	98
16) Acenaphthylene	13.889	152	13237	0.271	ng	98
17) Acenaphthene	14.242	154	3144	0.092	ng	93
18) Fluorene	15.236	166	5926	0.137	ng	84
25) Phenanthrene	16.967	178	132565	2.112	ng	100
26) Anthracene	17.066	178	22296	0.401	ng	# 95
28) Fluoranthene	19.003	202	376844	5.432	ng	100
30) Pyrene	19.365	202	323718	4.126	ng	# 95
32) Benzo(a)anthracene	21.121	228	165578	2.605	ng	96
33) Chrysene	21.175	228	194762	3.083	ng	98
34) Bis(2-ethylhexyl)phtha...	21.086	149	9494m	0.236	ng	
36) Indeno(1,2,3-cd)pyrene	25.461	276	171730	1.998	ng	# 93
37) Benzo(b)fluoranthene	22.668	252	313428	4.054	ng	# 94
38) Benzo(k)fluoranthene	22.704	252	107976m	1.419	ng	
39) Benzo(a)pyrene	23.215	252	194202m	3.035	ng	
40) Dibenzo(a,h)anthracene	25.466	278	37179	0.541	ng	92
41) Benzo(g,h,i)perylene	26.115	276	174579	2.375	ng	98

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

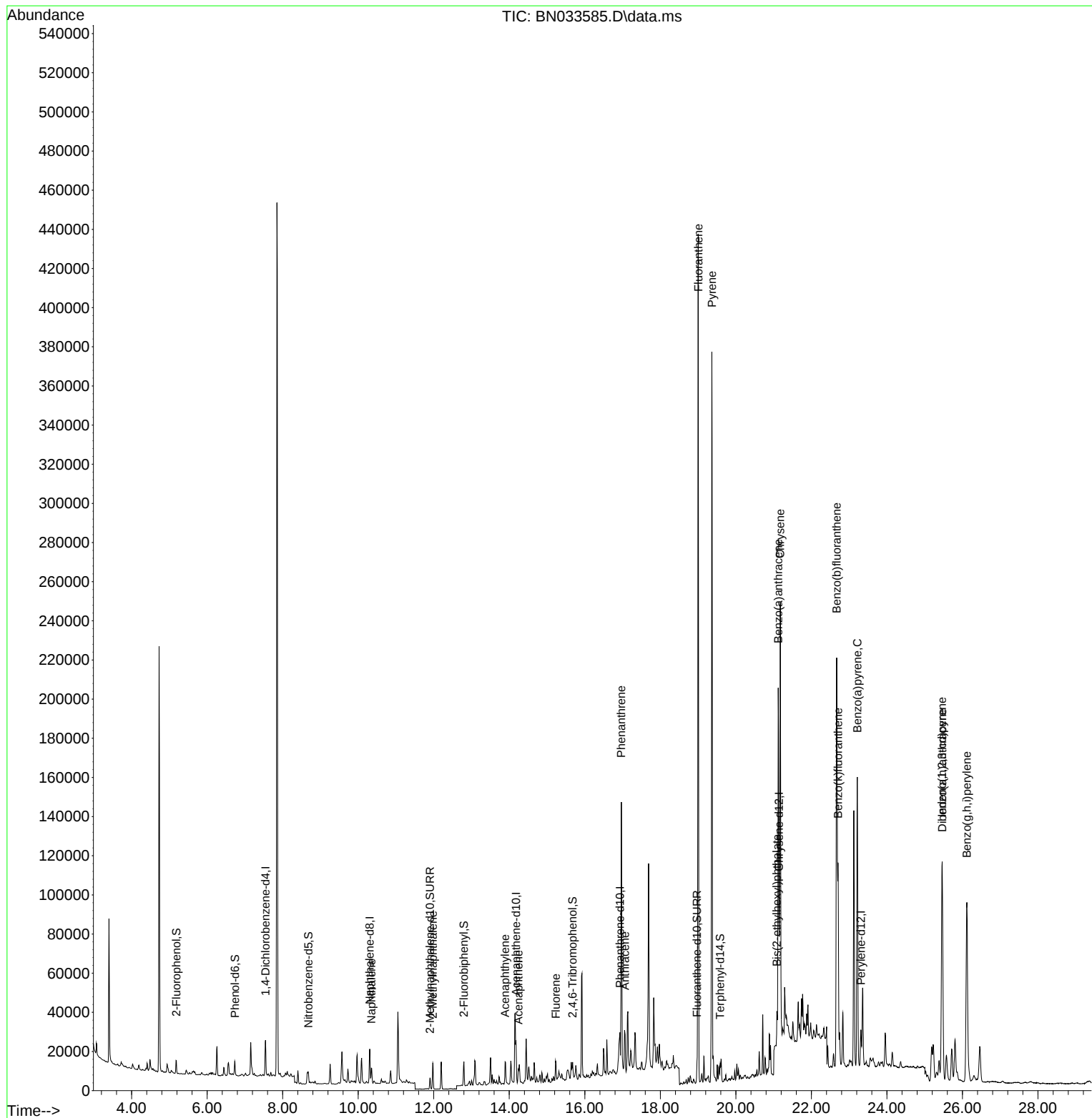
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
Data File : BN033585.D
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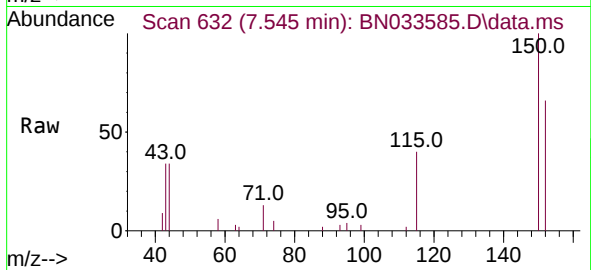
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

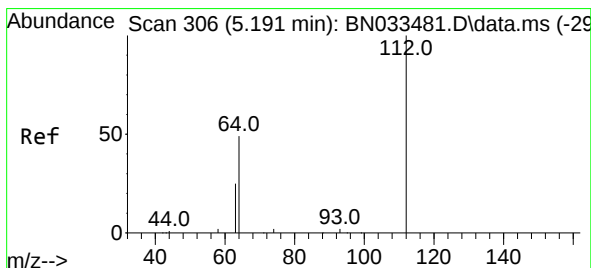
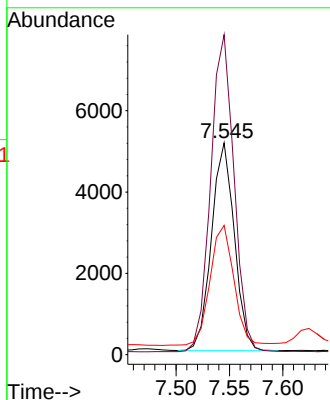
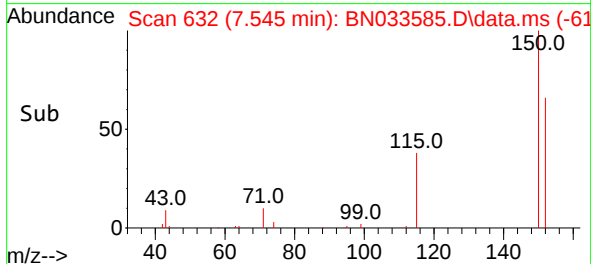
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524



Tgt Ion:152 Resp: 7624
Ion Ratio Lower Upper
152 100
150 151.0 122.2 183.2
115 61.0 47.2 70.8

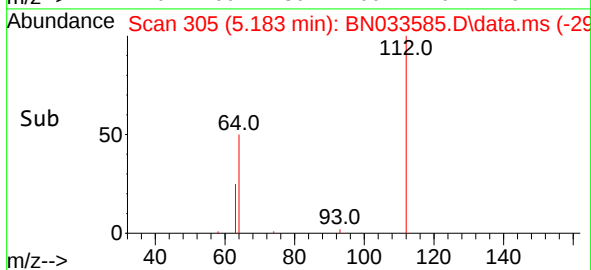
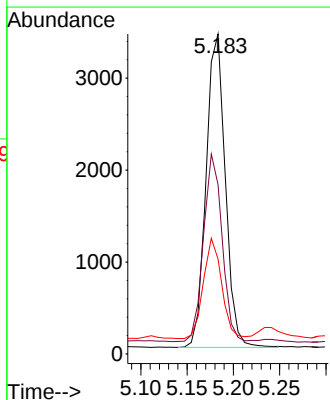
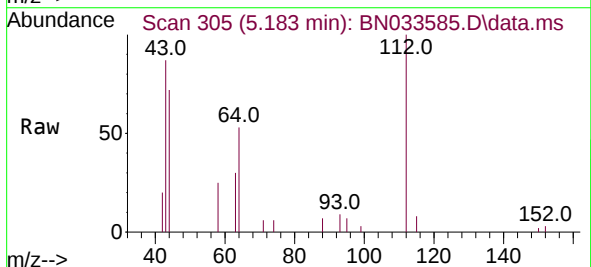
Manual Integrations
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Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#4
2-Fluorophenol
Concen: 0.203 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

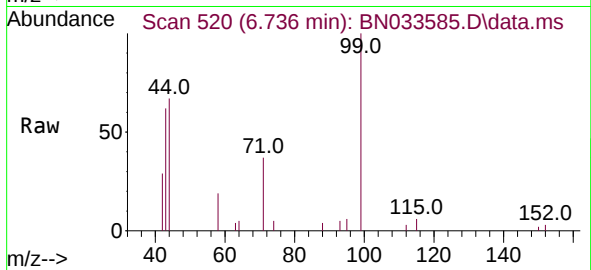
Tgt Ion:112 Resp: 4924
Ion Ratio Lower Upper
112 100
64 57.8 47.1 70.7
63 30.6 24.9 37.3





#5
Phenol-d6
Concen: 0.213 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

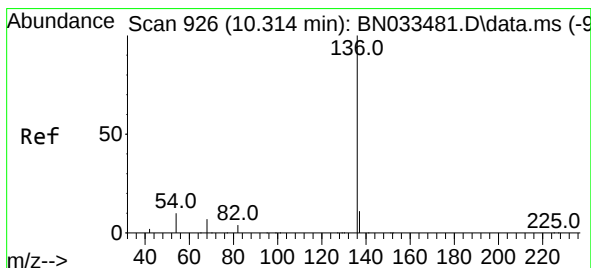
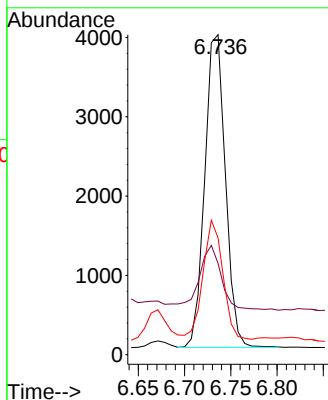
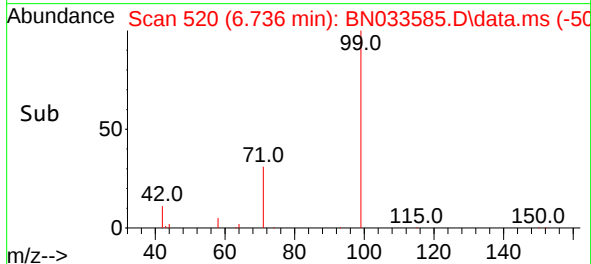
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524



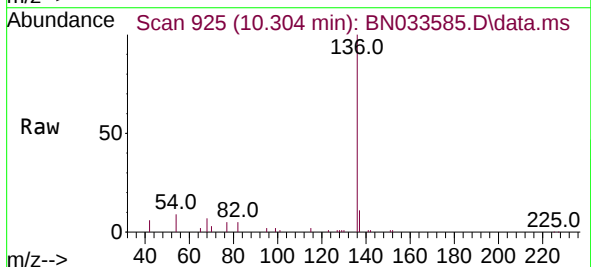
Tgt Ion: 99 Resp: 613
Ion Ratio Lower Upper
99 100
42 22.0 16.6 24.8
71 36.6 26.2 39.4

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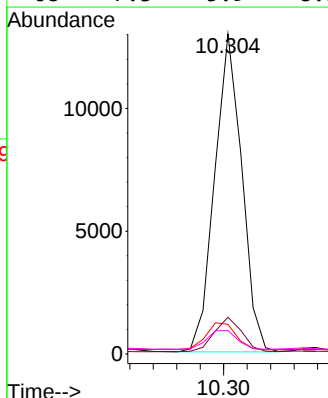
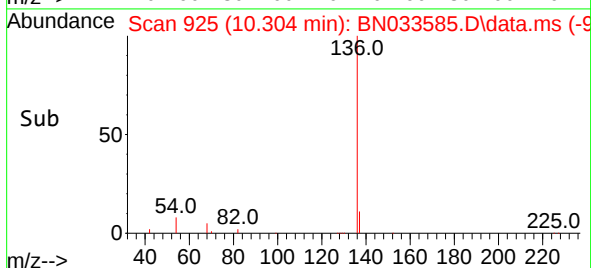
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22



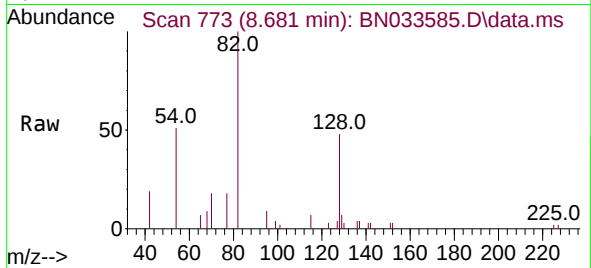
Tgt Ion:136 Resp: 20848
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 9.2 8.3 12.5
68 7.3 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.285 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

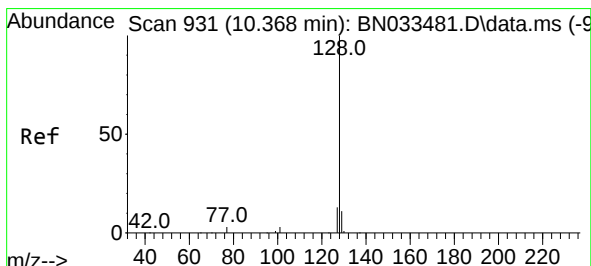
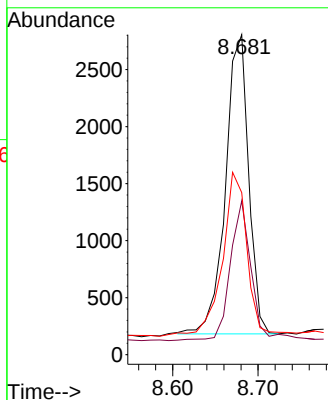
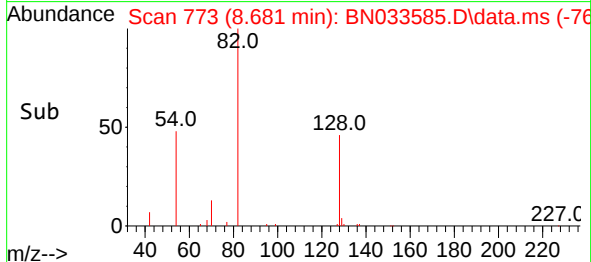
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524



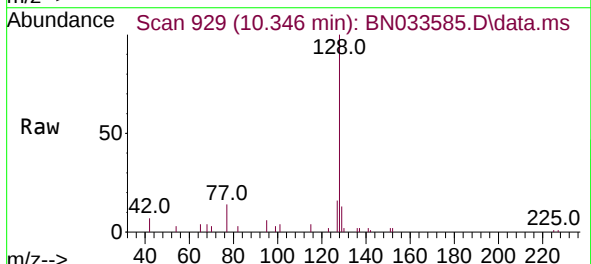
Tgt Ion: 82 Resp: 493
Ion Ratio Lower Upper
82 100
128 48.0 36.0 54.0
54 50.6 42.0 63.0

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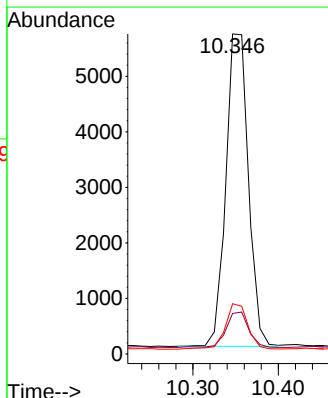
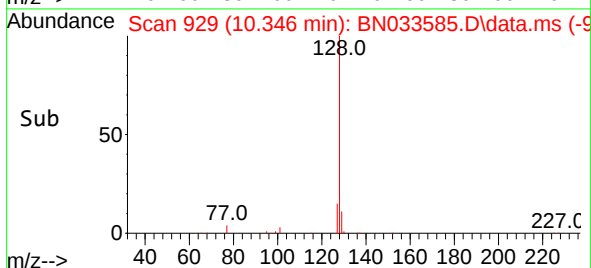
Reviewed By :Yogesh Patel 08/24/2024
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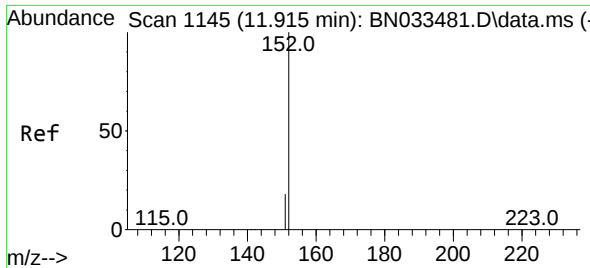


#9
Naphthalene
Concen: 0.185 ng
RT: 10.346 min Scan# 929
Delta R.T. -0.011 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22



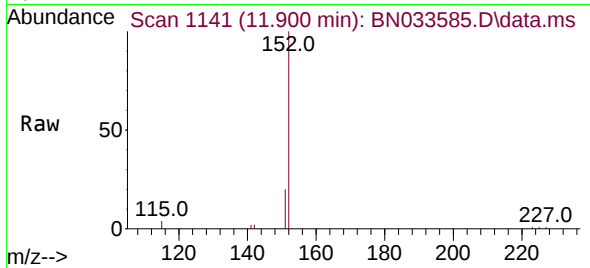
Tgt Ion:128 Resp: 10298
Ion Ratio Lower Upper
128 100
129 12.7 9.1 13.7
127 15.7 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.250 ng
RT: 11.900 min Scan# 1141
Delta R.T. -0.004 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

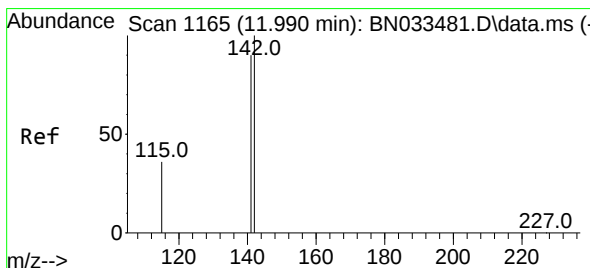
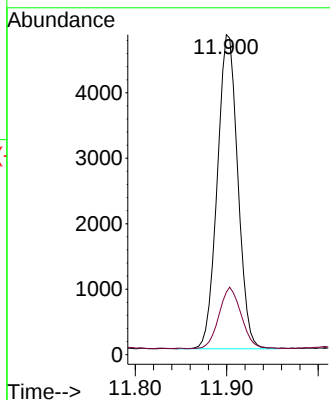
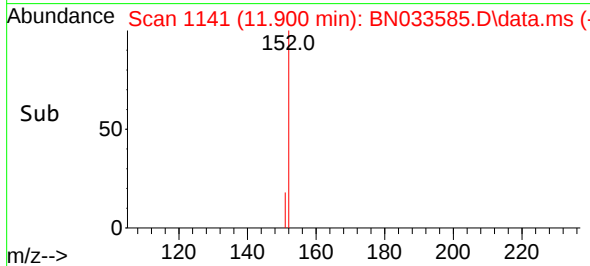
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524



Tgt Ion:152 Resp: 7470
Ion Ratio Lower Upper
152 100
151 21.3 16.6 25.0

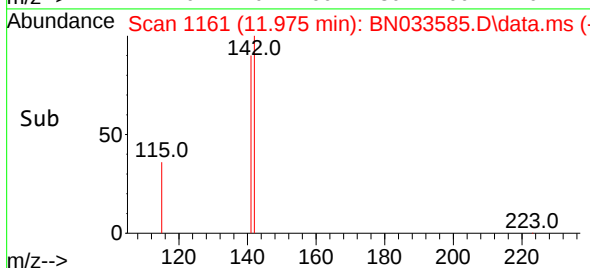
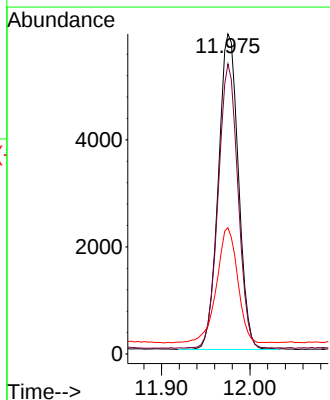
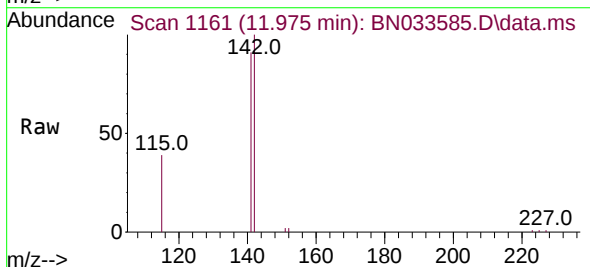
Manual Integrations
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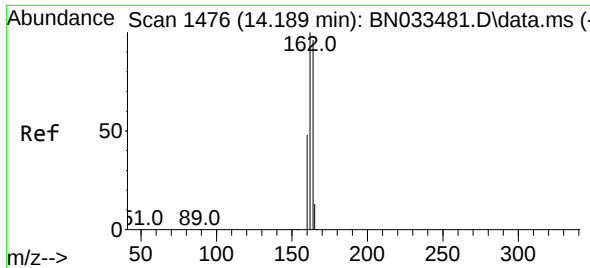
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#12
2-Methylnaphthalene
Concen: 0.263 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

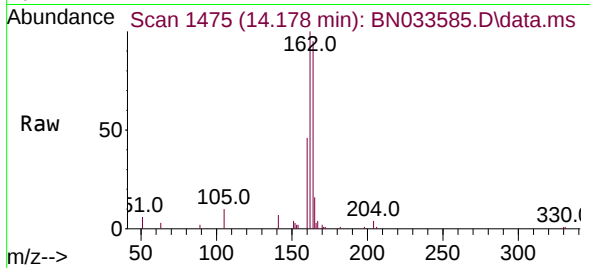
Tgt Ion:142 Resp: 9286
Ion Ratio Lower Upper
142 100
141 90.7 71.7 107.5
115 39.5 29.4 44.2





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 141
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

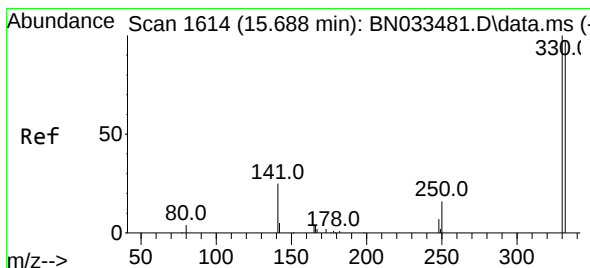
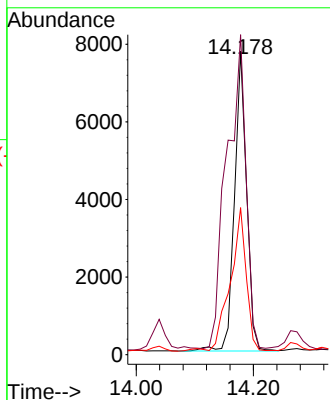
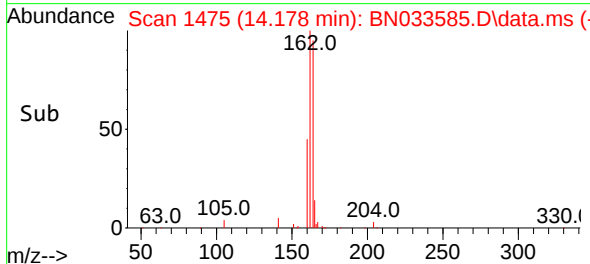
Instrument :
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S-907-K1-0.5-1.0-081524



Tgt Ion:164 Resp: 1113
Ion Ratio Lower Upper
164 100
162 105.5 83.5 125.3
160 48.5 40.2 60.4

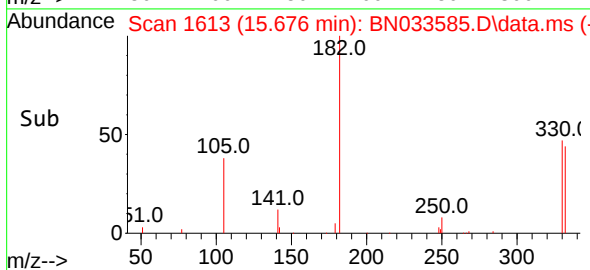
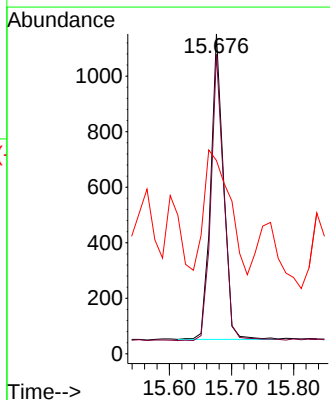
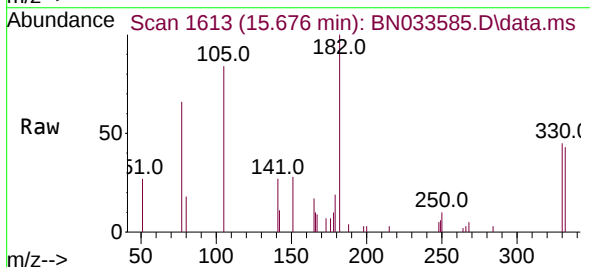
Manual Integrations
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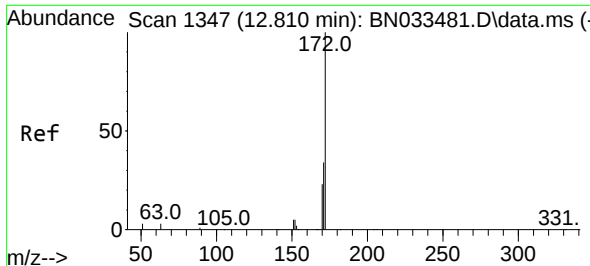
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#14
2,4,6-Tribromophenol
Concen: 0.264 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

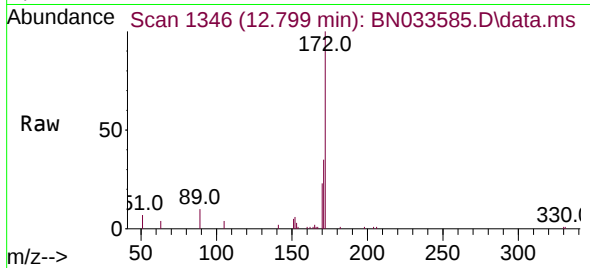
Tgt Ion:330 Resp: 1577
Ion Ratio Lower Upper
330 100
332 94.4 77.5 116.3
141 79.0 33.9 50.9#





#15
2-Fluorobiphenyl
Concen: 0.222 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

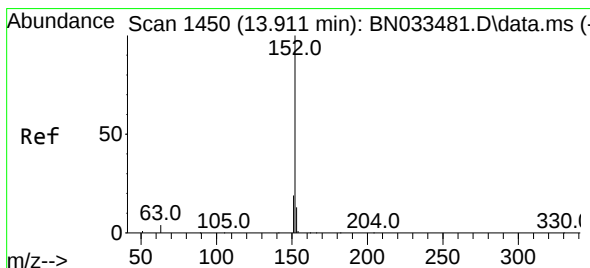
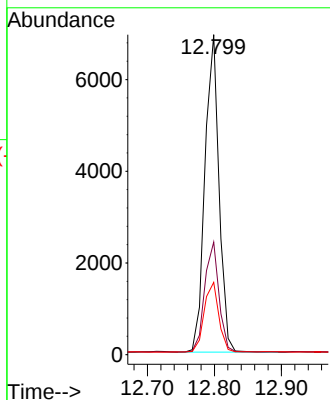
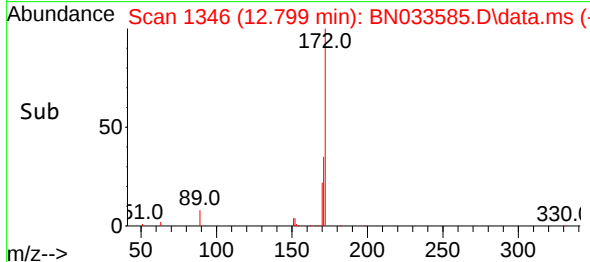
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Tgt Ion:172 Resp: 1011
Ion Ratio Lower Upper
172 100
171 35.2 27.7 41.5
170 22.6 18.3 27.5

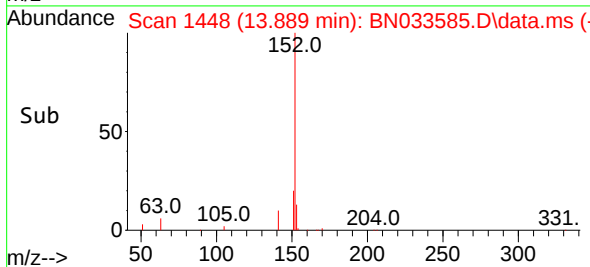
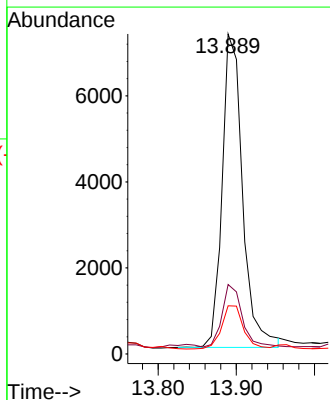
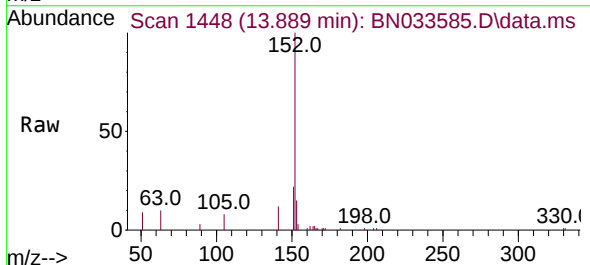
Manual Integrations
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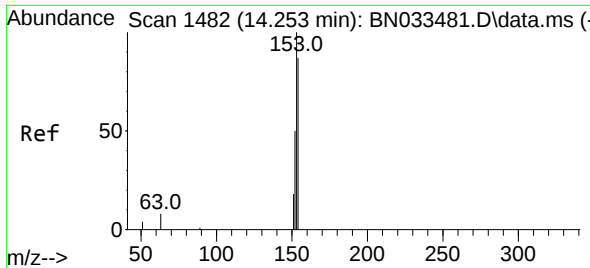
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#16
Acenaphthylene
Concen: 0.271 ng
RT: 13.889 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

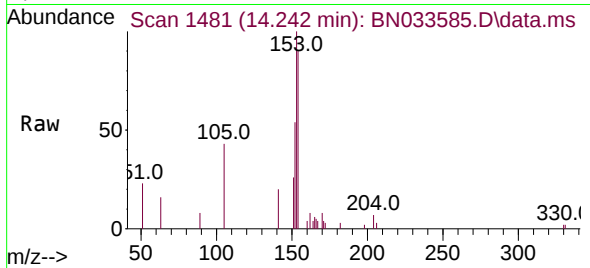
Tgt Ion:152 Resp: 13237
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 14.9 10.3 15.5





#17
Acenaphthene
Concen: 0.092 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

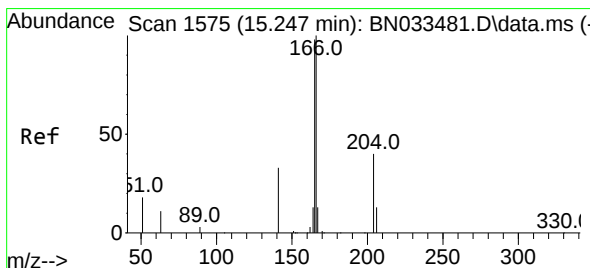
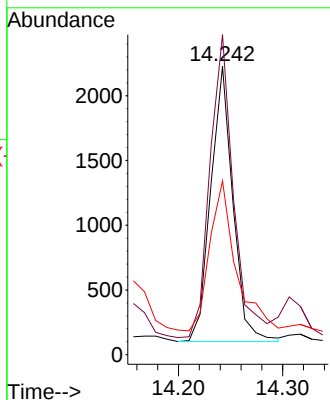
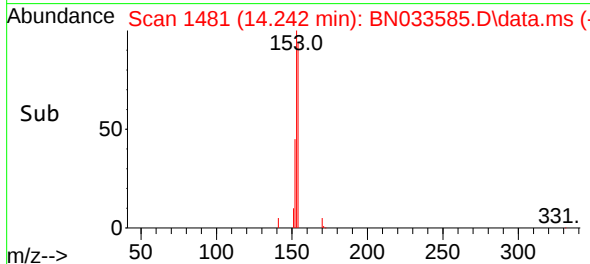
Instrument :
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Tgt Ion:154 Resp: 3144
Ion Ratio Lower Upper
154 100
153 116.2 89.0 133.6
152 64.1 45.2 67.8

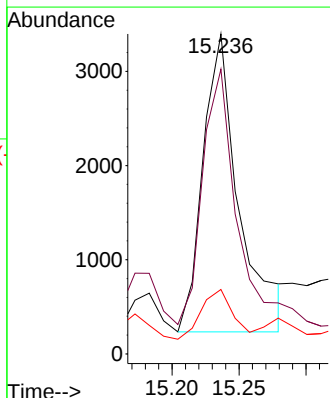
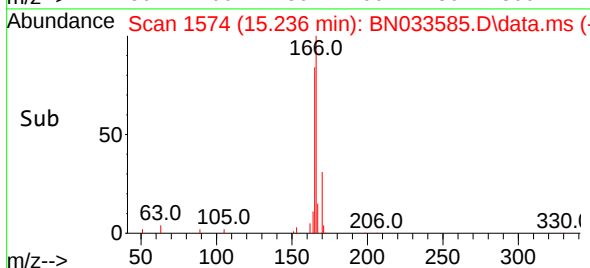
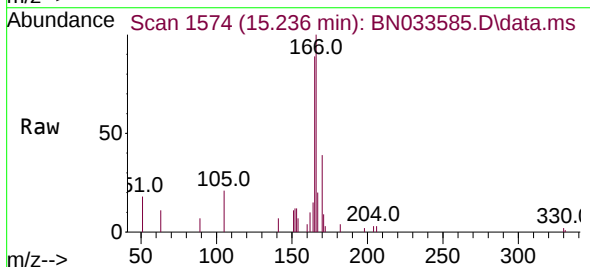
Manual Integrations
APPROVED

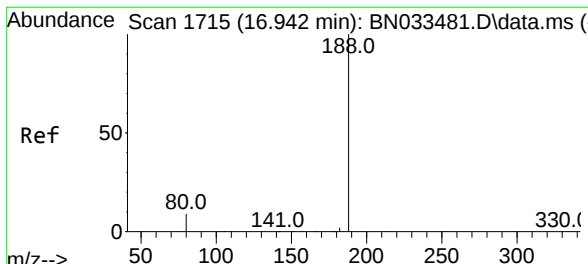
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#18
Fluorene
Concen: 0.137 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

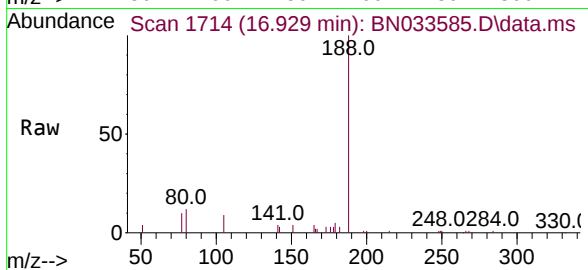
Tgt Ion:166 Resp: 5926
Ion Ratio Lower Upper
166 100
165 80.6 78.2 117.4
167 14.7 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

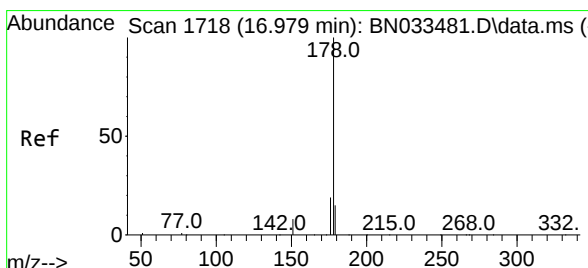
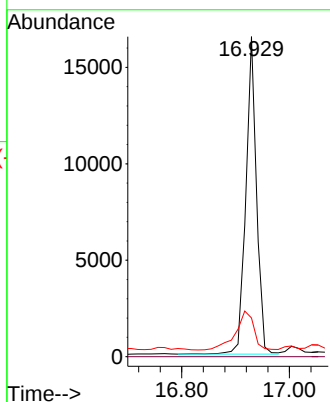
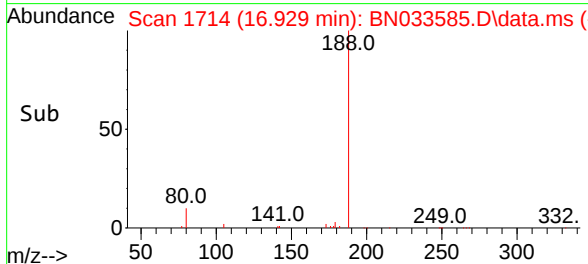
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524



Tgt Ion:188 Resp: 22560
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.1 7.8 11.8

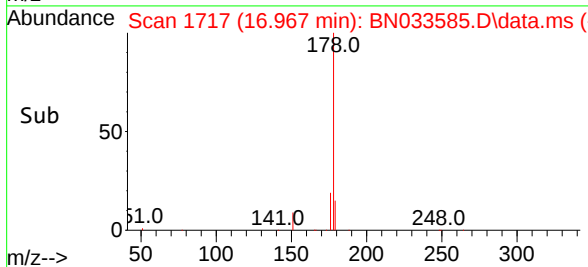
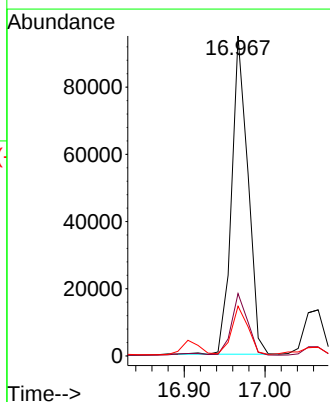
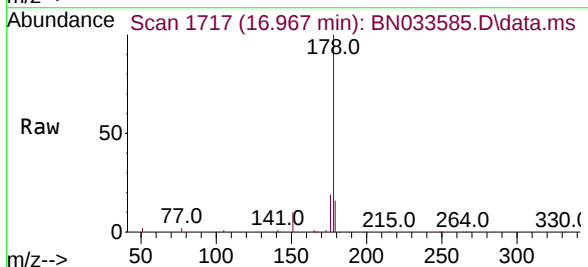
Manual Integrations
APPROVED

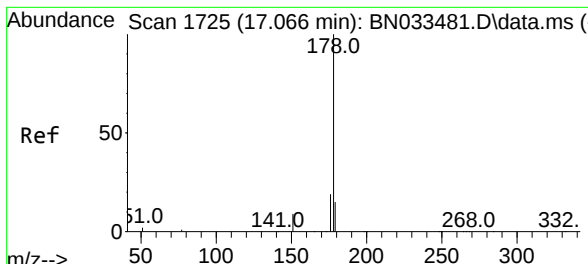
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#25
Phenanthrene
Concen: 2.112 ng
RT: 16.967 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

Tgt Ion:178 Resp: 132565
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.0 12.3 18.5





#26
 Anthracene
 Concen: 0.401 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. -0.000 min
 Lab File: BN033585.D
 Acq: 23 Aug 2024 12:22

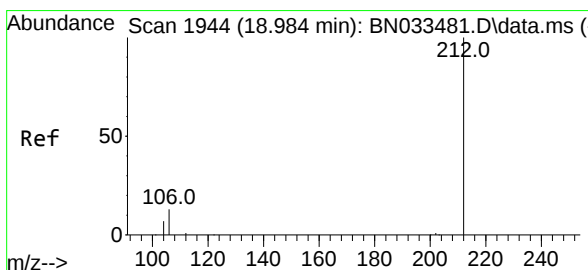
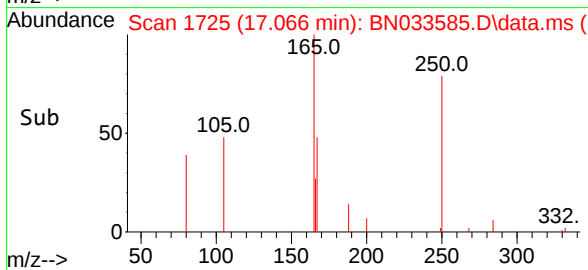
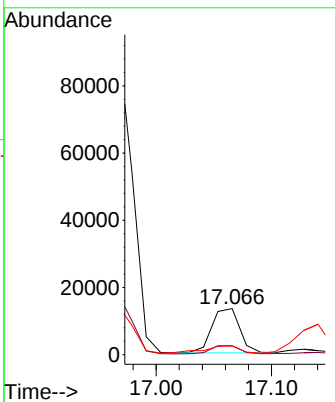
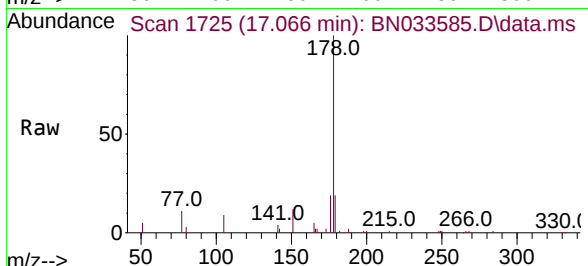
Instrument : BNA_N
 ClientSampleId : S-907-K1-0.5-1.0-081524

Tgt Ion: 178 Resp: 22290

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	20.2	12.4	18.6

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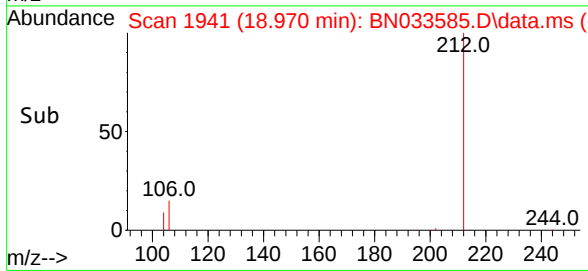
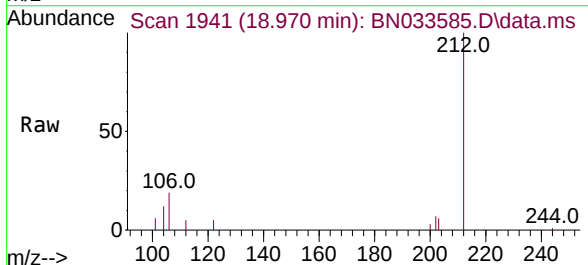
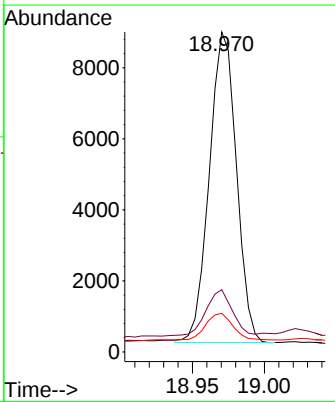
Reviewed By : Yogesh Patel 08/24/2024
 Supervised By : mohammad ahmed 08/29/2024

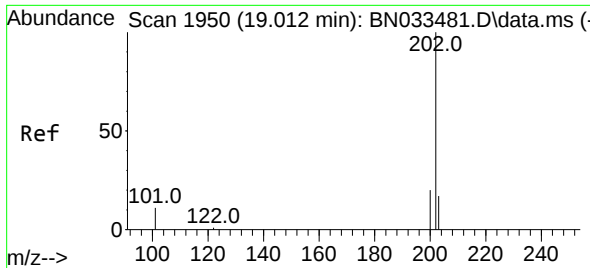


#27
 Fluoranthene-d10
 Concen: 0.211 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: BN033585.D
 Acq: 23 Aug 2024 12:22

Tgt Ion: 212 Resp: 11457

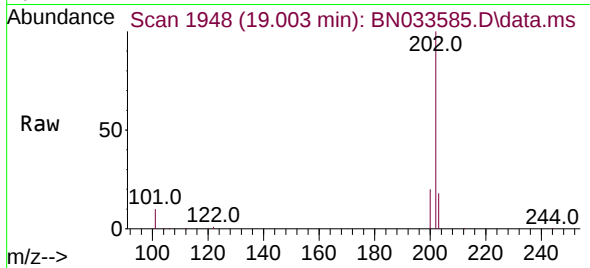
Ion	Ratio	Lower	Upper
212	100		
106	15.6	12.3	18.5
104	11.5	7.0	10.4





#28
Fluoranthene
Concen: 5.432 ng
RT: 19.003 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

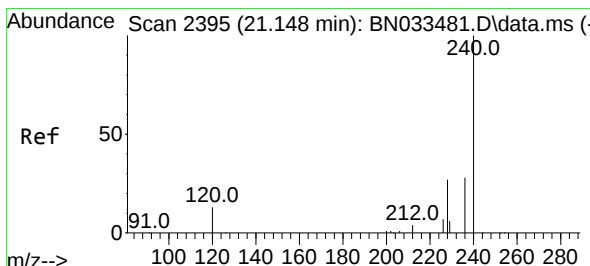
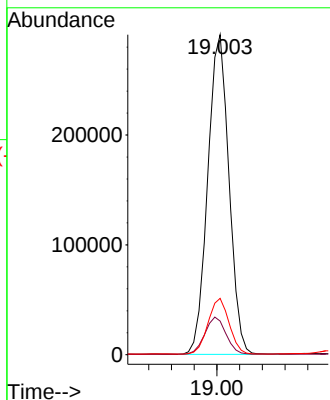
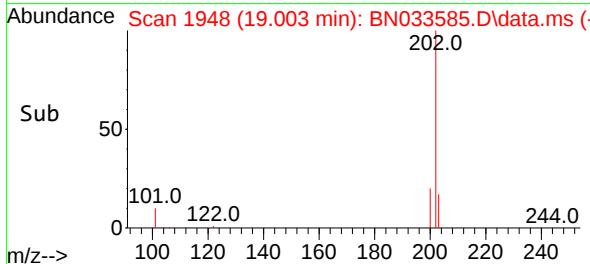
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524



Tgt Ion:202 Resp: 376844
Ion Ratio Lower Upper
202 100
101 11.7 9.5 14.3
203 17.3 13.8 20.6

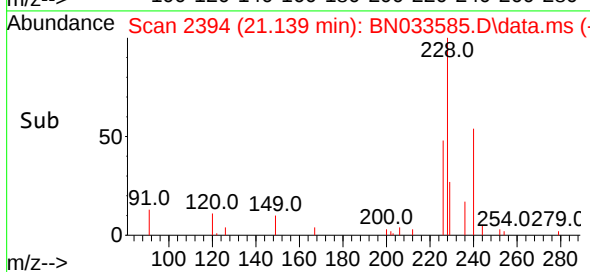
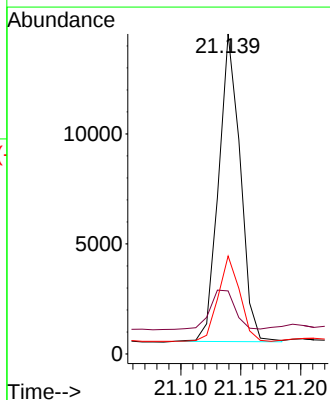
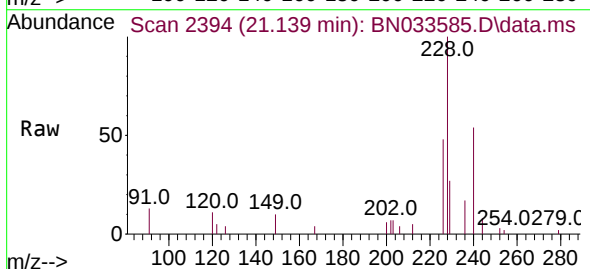
Manual Integrations
APPROVED

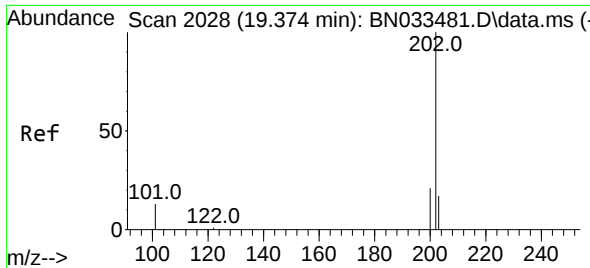
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.139 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

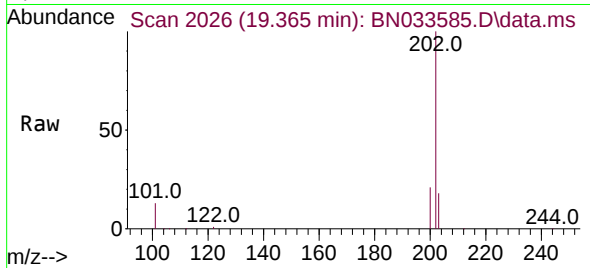
Tgt Ion:240 Resp: 17579
Ion Ratio Lower Upper
240 100
120 19.7 12.4 18.6#
236 30.6 23.0 34.6





#30
Pyrene
Concen: 4.126 ng
RT: 19.365 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

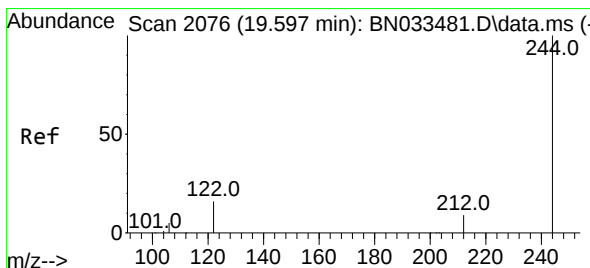
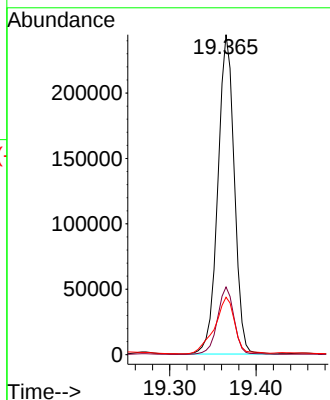
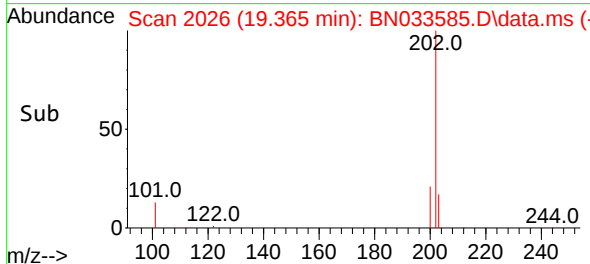
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524



Tgt Ion:202 Resp: 323718
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 21.7 14.2 21.4

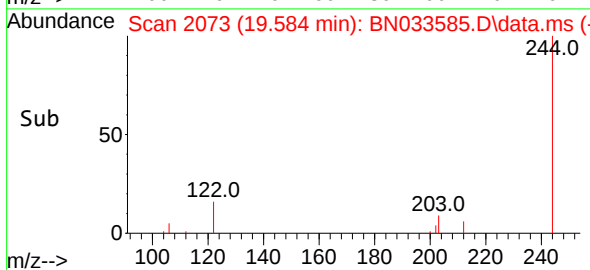
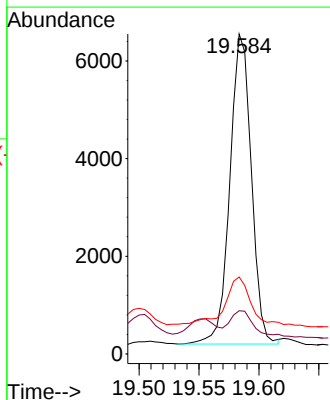
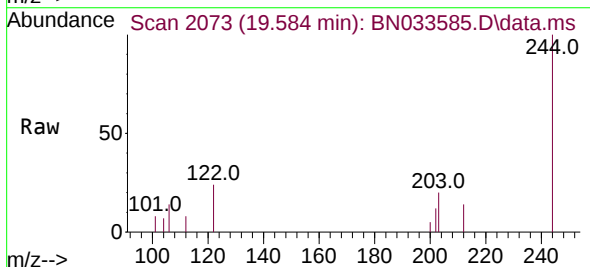
Manual Integrations
APPROVED

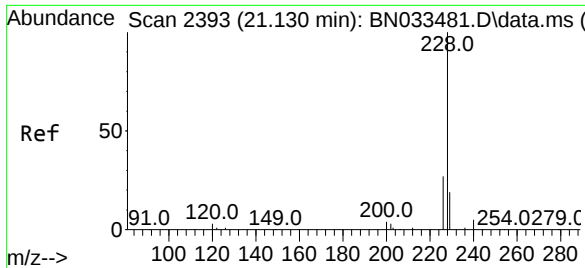
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#31
Terphenyl-d14
Concen: 0.198 ng
RT: 19.584 min Scan# 2073
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

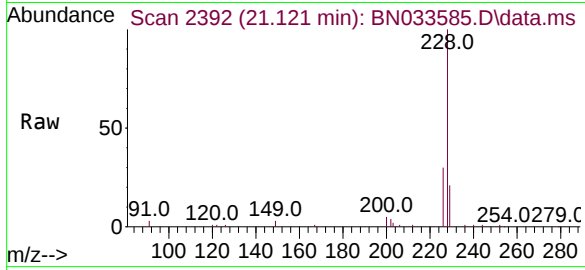
Tgt Ion:244 Resp: 7904
Ion Ratio Lower Upper
244 100
212 13.5 7.8 11.6#
122 24.0 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 2.605 ng
RT: 21.121 min Scan# 21121
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

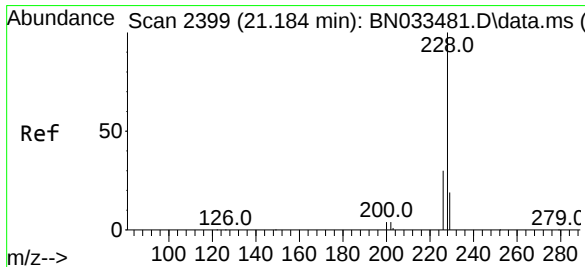
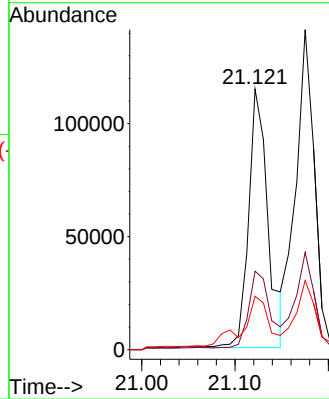
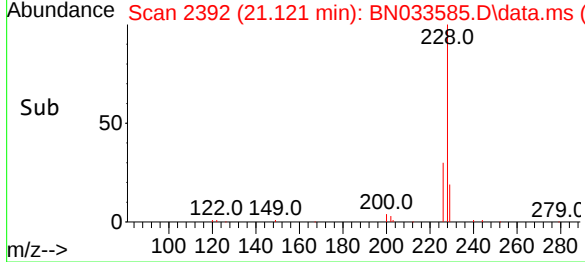
Instrument : BNA_N
ClientSampleId : S-907-K1-0.5-1.0-081524



Tgt Ion:228 Resp: 165578
Ion Ratio Lower Upper
228 100
226 30.2 21.8 32.6
229 20.5 15.8 23.6

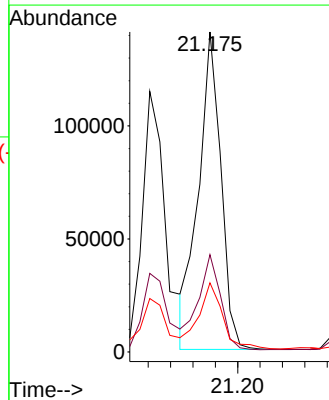
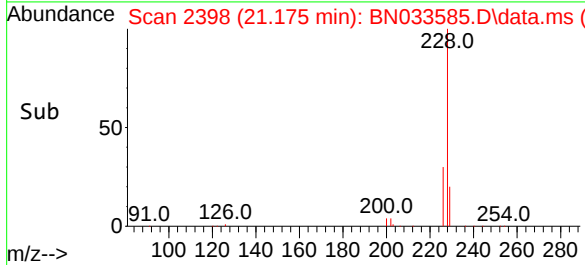
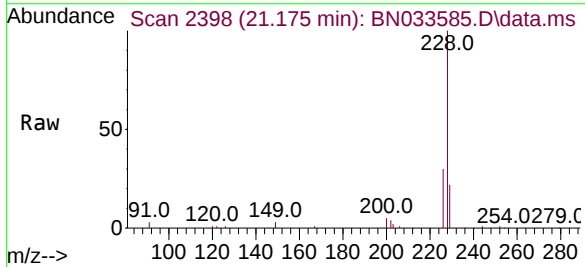
Manual Integrations
APPROVED

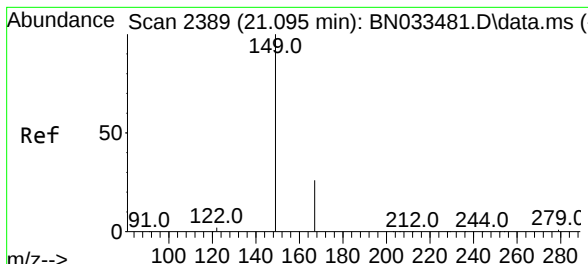
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#33
Chrysene
Concen: 3.083 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

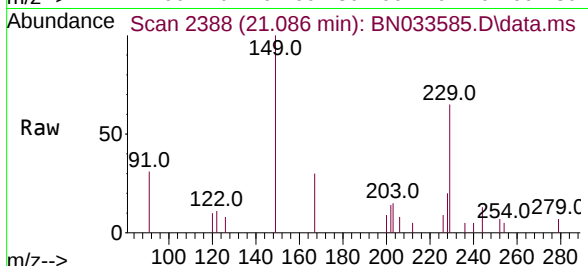
Tgt Ion:228 Resp: 194762
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.8
229 21.6 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.236 ng m
RT: 21.086 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

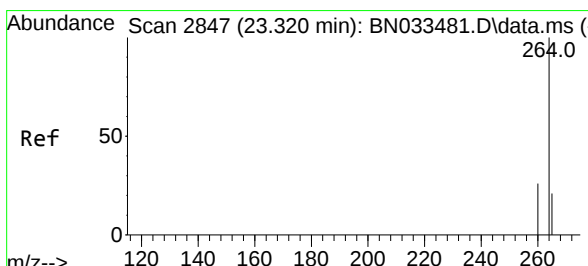
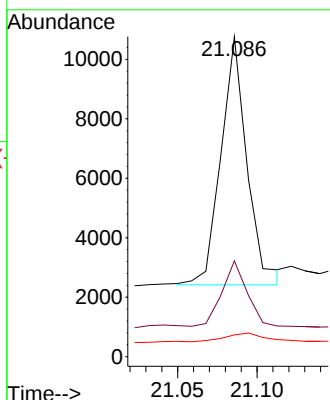
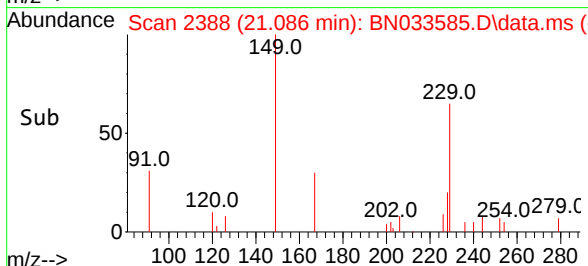
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524



Tgt Ion:149 Resp: 9494
Ion Ratio Lower Upper
149 100
167 40.6 21.5 32.3
279 49.0 2.2 3.2

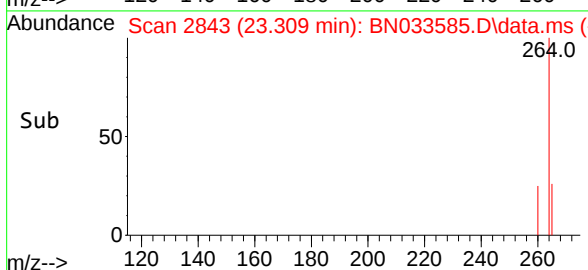
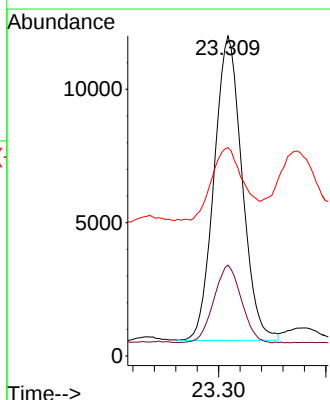
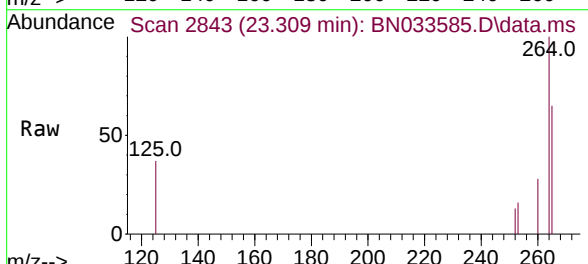
Manual Integrations
APPROVED

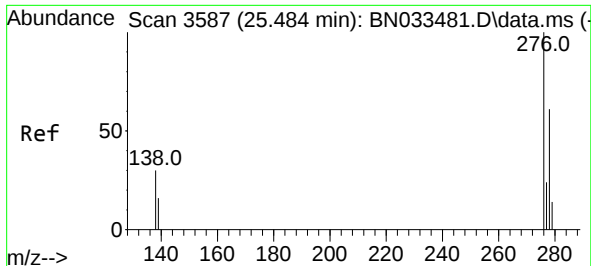
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.309 min Scan# 2843
Delta R.T. 0.006 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

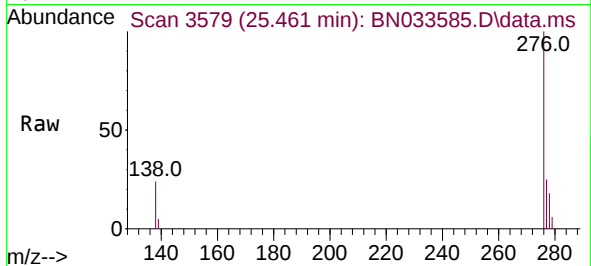
Tgt Ion:264 Resp: 20705
Ion Ratio Lower Upper
264 100
260 28.4 20.8 31.2
265 65.1 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.998 ng
RT: 25.461 min Scan# 3587
Delta R.T. 0.012 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

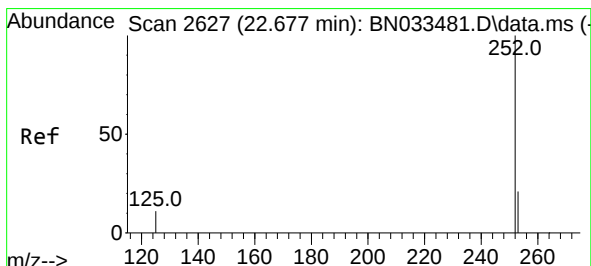
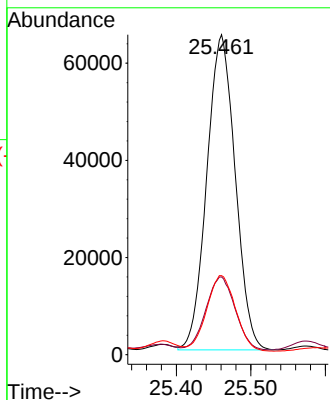
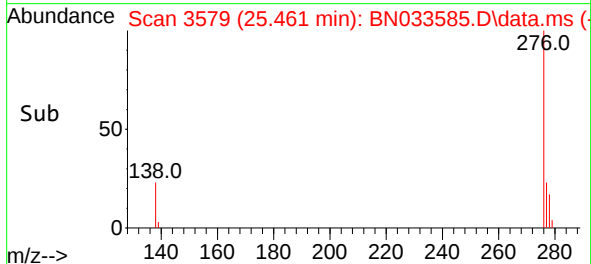
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524



Tgt Ion:276 Resp: 171730
Ion Ratio Lower Upper
276 100
138 23.8 24.4 36.6
277 24.4 19.8 29.6

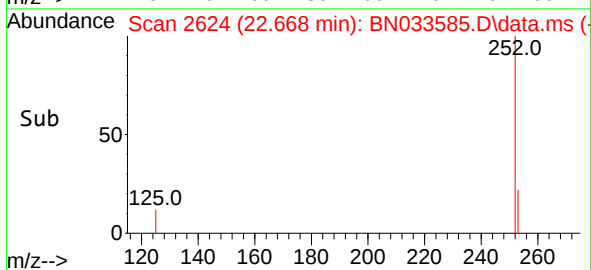
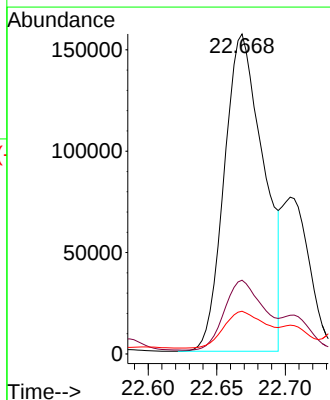
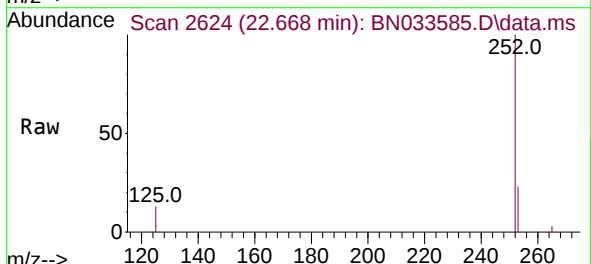
Manual Integrations
APPROVED

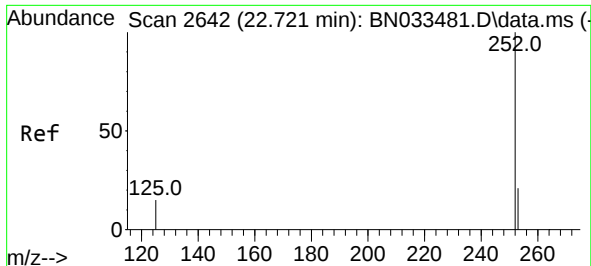
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#37
Benzo(b)fluoranthene
Concen: 4.054 ng
RT: 22.668 min Scan# 2624
Delta R.T. 0.009 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

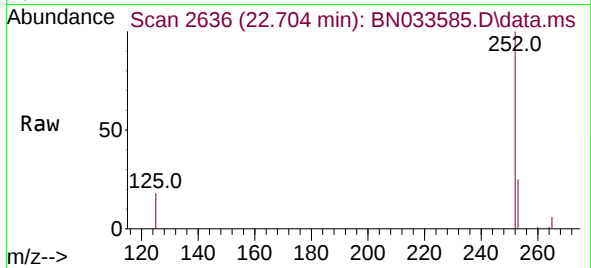
Tgt Ion:252 Resp: 313428
Ion Ratio Lower Upper
252 100
253 23.1 19.8 29.8
125 13.4 13.9 20.9





#38
Benzo(k)fluoranthene
Concen: 1.419 ng m
RT: 22.704 min Scan# 2636
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

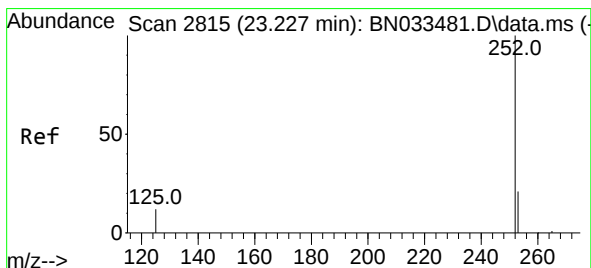
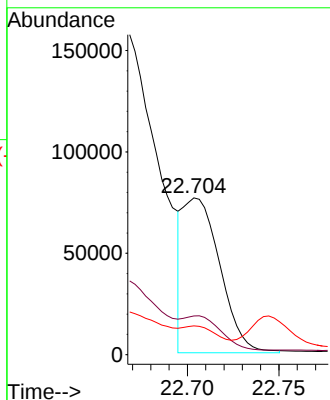
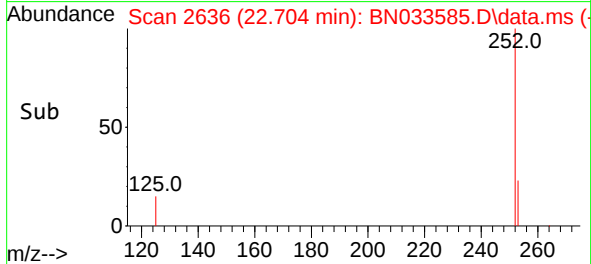
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524



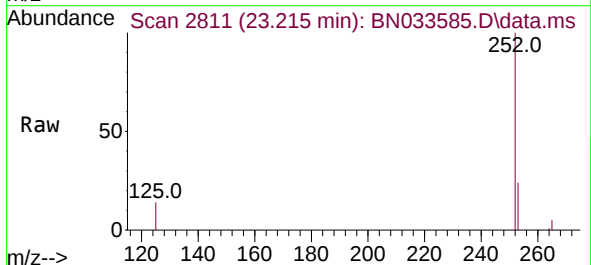
Tgt Ion:252 Resp: 107970
Ion Ratio Lower Upper
252 100
253 24.7 19.8 29.8
125 18.4 15.8 23.8

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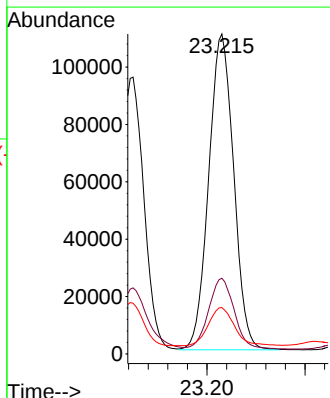
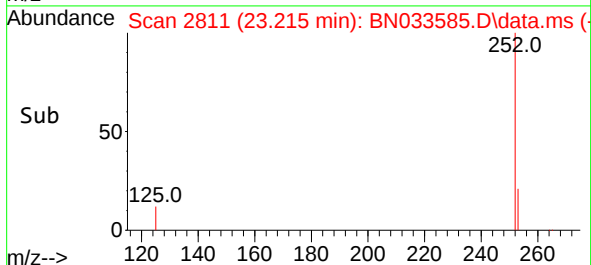
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

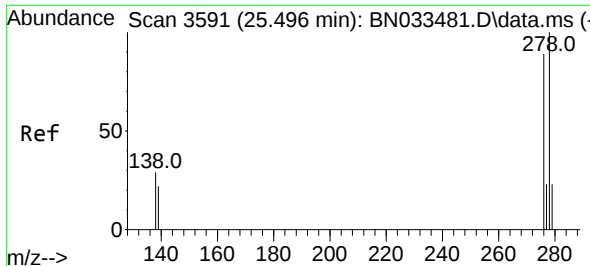


#39
Benzo(a)pyrene
Concen: 3.035 ng m
RT: 23.215 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22



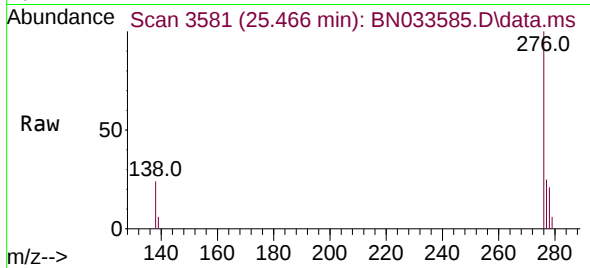
Tgt Ion:252 Resp: 194202
Ion Ratio Lower Upper
252 100
253 23.7 21.5 32.3
125 14.5 17.0 25.4





#40
Dibenzo(a,h)anthracene
Concen: 0.541 ng
RT: 25.466 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

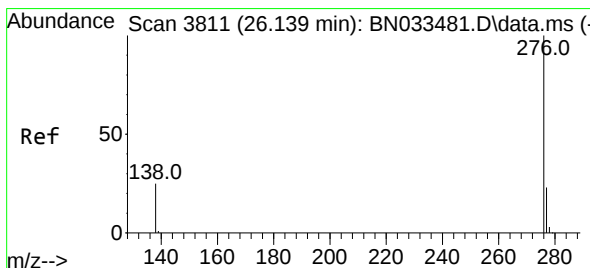
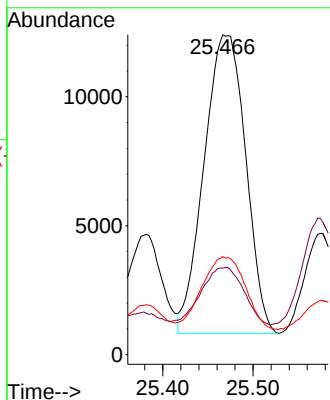
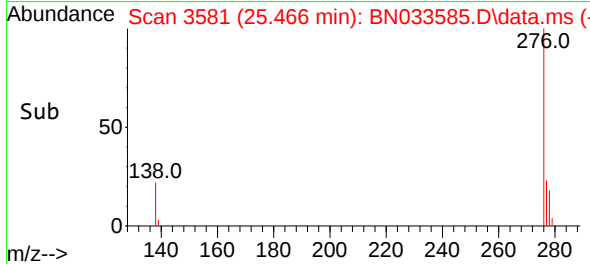
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524



Tgt Ion:278 Resp: 37179
Ion Ratio Lower Upper
278 100
139 27.0 19.1 28.7
279 30.7 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: 2.375 ng
RT: 26.115 min Scan# 3803
Delta R.T. 0.012 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

Tgt Ion:276 Resp: 174579
Ion Ratio Lower Upper
276 100
277 24.7 19.7 29.5
138 25.0 21.8 32.6

