

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033574.D
 Acq On : 23 Aug 2024 04:42
 Operator : MA/JU
 Sample : P3671-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-905-KJ-SO-0-0.5-081924-FD

Quant Time: Aug 23 05:11:51 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 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8063	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	20827	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	10022	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	20045	0.400	ng	0.00
29) Chrysene-d12	21.139	240	22012	0.400	ng	0.00
35) Perylene-d12	23.303	264	22949	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	6327	0.247	ng	0.00
5) Phenol-d6	6.729	99	7016	0.230	ng	0.00
8) Nitrobenzene-d5	8.681	82	4180	0.242	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	5182	0.174	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	1087	0.202	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	6614	0.162	ng	0.00
27) Fluoranthene-d10	18.970	212	6634	0.138	ng	0.00
31) Terphenyl-d14	19.583	244	4810	0.096	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.357	128	2666	0.048	ng	# 90
12) 2-Methylnaphthalene	11.975	142	1226	0.035	ng	# 91
16) Acenaphthylene	13.900	152	3215	0.073	ng	98
17) Acenaphthene	14.242	154	17697	0.572	ng	98
18) Fluorene	15.236	166	20096	0.516	ng	99
25) Phenanthrene	16.966	178	518372	9.296	ng	100
26) Anthracene	17.066	178	151975	3.080	ng	98
28) Fluoranthene	19.003	202	1801050	29.226	ng	100
30) Pyrene	19.365	202	1607538	16.363	ng	# 93
32) Benzo(a)anthracene	21.121	228	1300011	16.336	ng	98
33) Chrysene	21.175	228	1136784m	14.371	ng	
34) Bis(2-ethylhexyl)phtha...	21.077	149	8993m	0.179	ng	
36) Indeno(1,2,3-cd)pyrene	25.446	276	602379	6.323	ng	95
37) Benzo(b)fluoranthene	22.662	252	1485702	17.336	ng	# 93
38) Benzo(k)fluoranthene	22.698	252	538286m	6.381	ng	
39) Benzo(a)pyrene	23.209	252	1065507m	15.026	ng	
40) Dibenzo(a,h)anthracene	25.460	278	158541	2.081	ng	97
41) Benzo(g,h,i)perylene	26.109	276	543217	6.668	ng	98

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

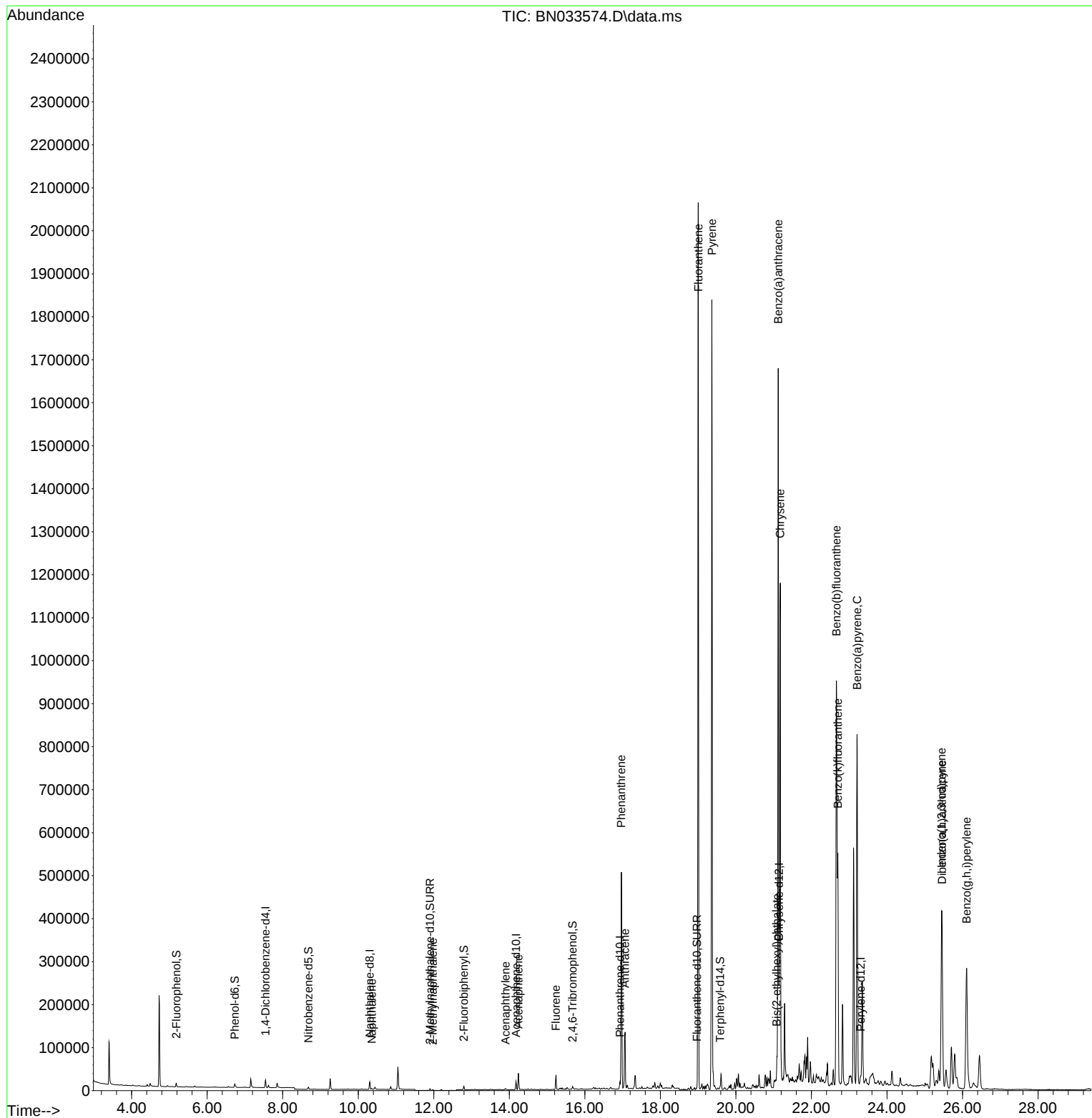
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
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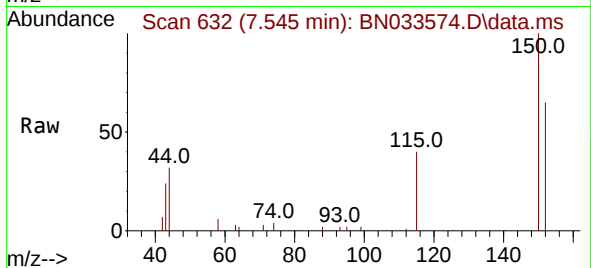
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

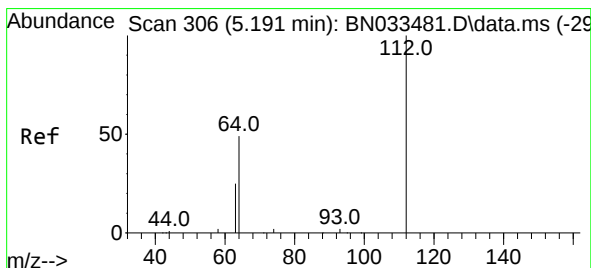
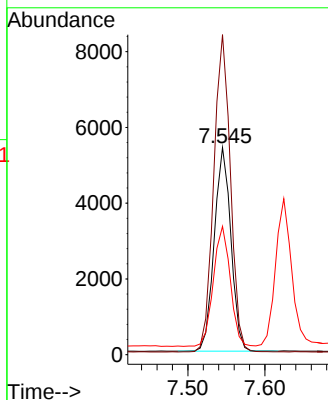
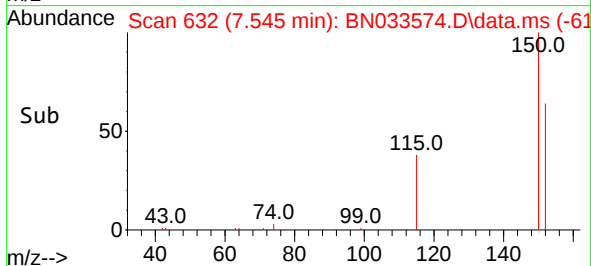
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD



Tgt Ion:152 Resp: 806
Ion Ratio Lower Upper
152 100
150 154.4 122.2 183.2
115 61.9 47.2 70.8

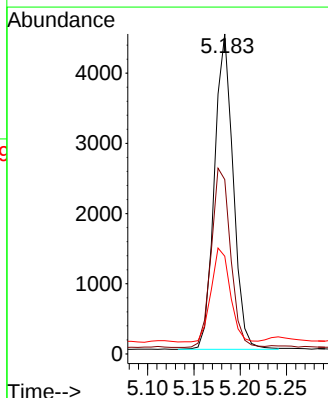
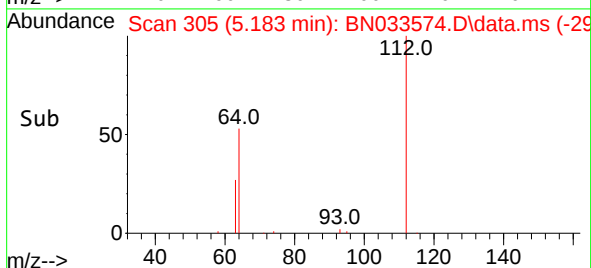
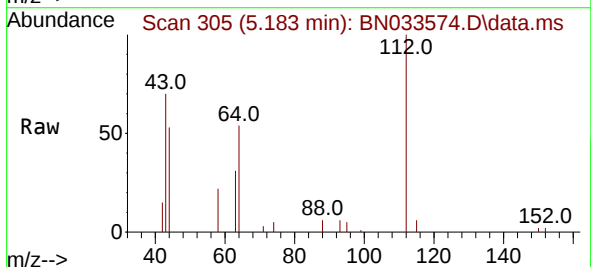
Manual Integrations
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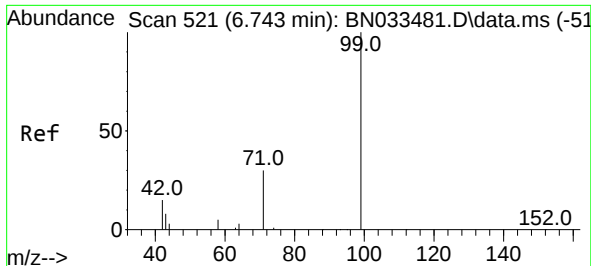
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#4
2-Fluorophenol
Concen: 0.247 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

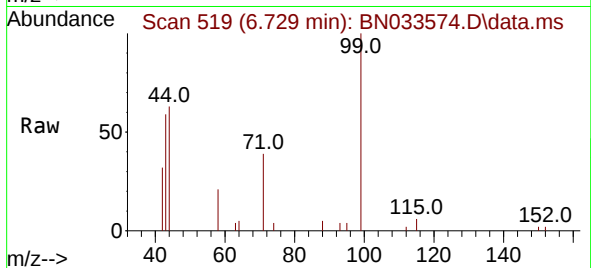
Tgt Ion:112 Resp: 6327
Ion Ratio Lower Upper
112 100
64 58.6 47.1 70.7
63 30.3 24.9 37.3





#5
Phenol-d6
Concen: 0.230 ng
RT: 6.729 min Scan# 519
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

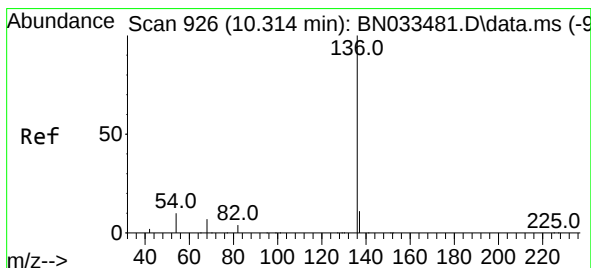
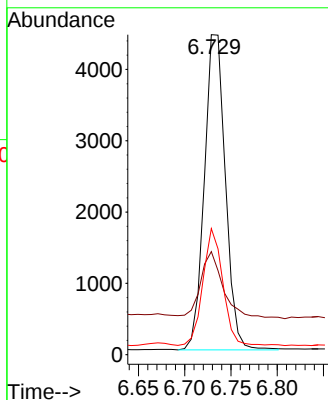
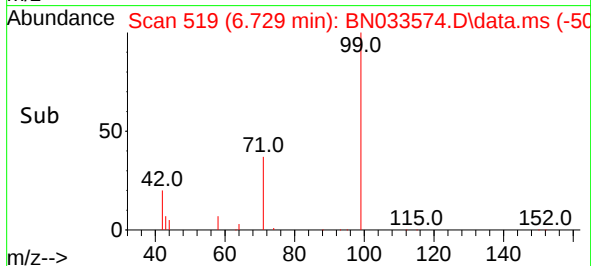
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD



Tgt Ion: 99 Resp: 7010
Ion Ratio Lower Upper
99 100
42 21.6 16.6 24.8
71 34.9 26.2 39.4

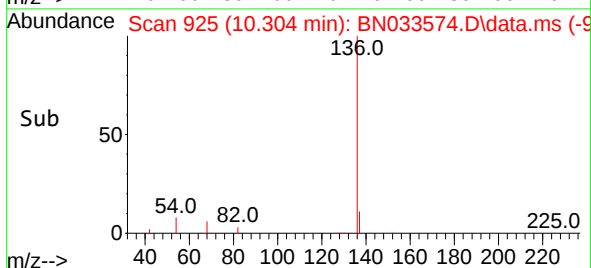
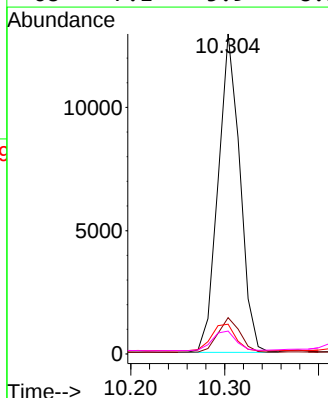
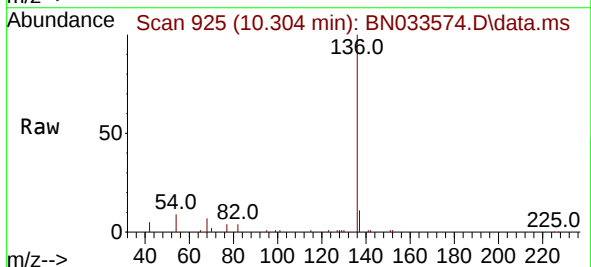
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Supervised By :mohammad ahmed 08/24/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

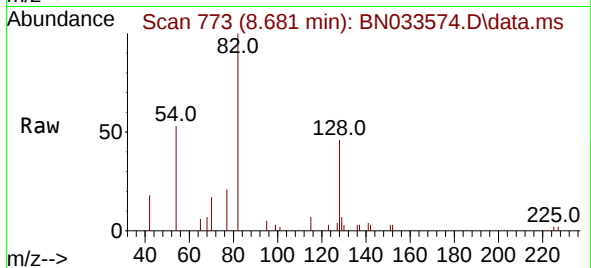
Tgt Ion:136 Resp: 20827
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.3 8.3 12.5
68 7.1 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.242 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

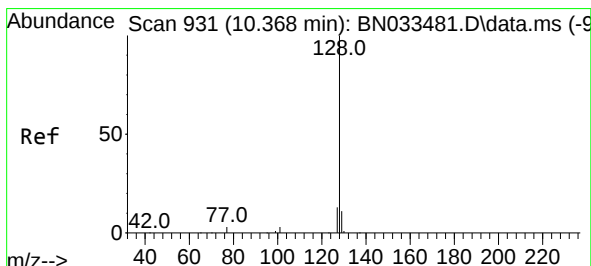
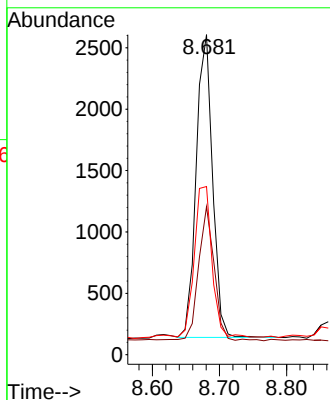
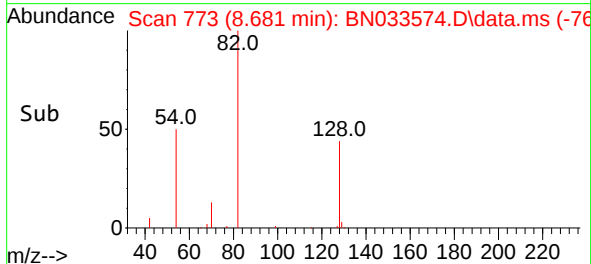
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD



Tgt Ion: 82 Resp: 4180
Ion Ratio Lower Upper
82 100
128 46.3 36.0 54.0
54 52.6 42.0 63.0

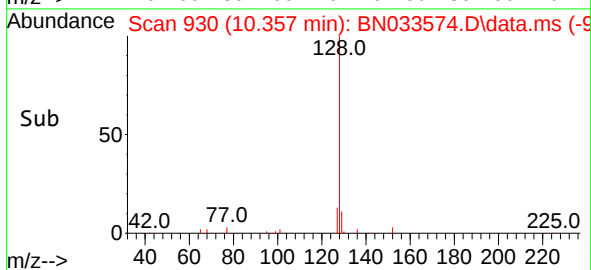
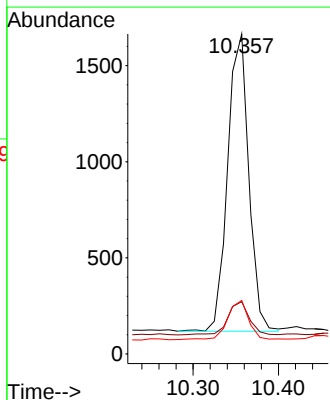
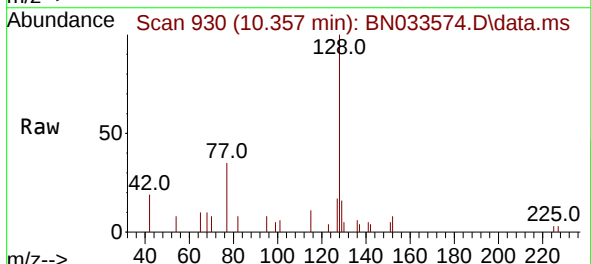
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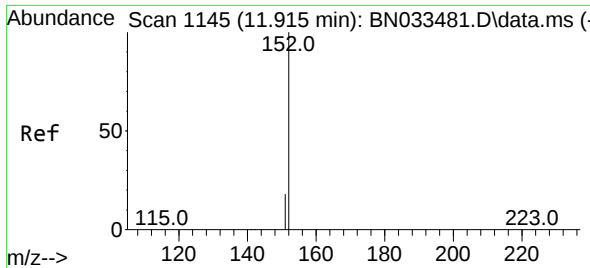
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#9
Naphthalene
Concen: 0.048 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

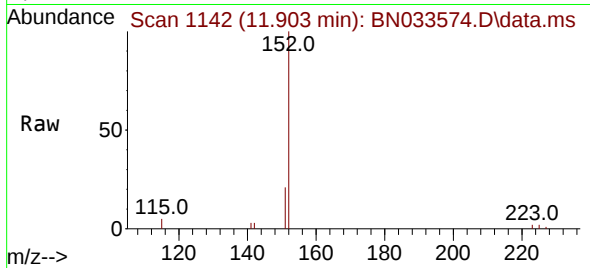
Tgt Ion:128 Resp: 2666
Ion Ratio Lower Upper
128 100
129 16.3 9.1 13.7#
127 16.7 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.174 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

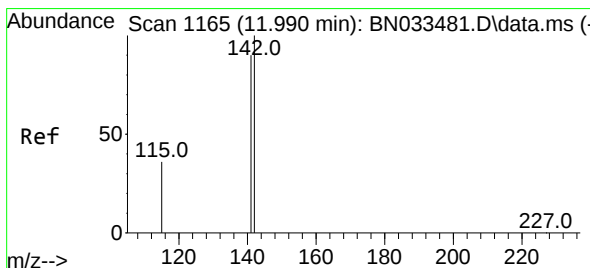
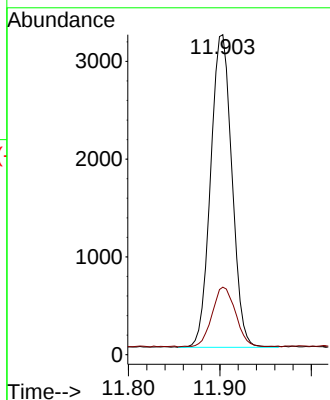
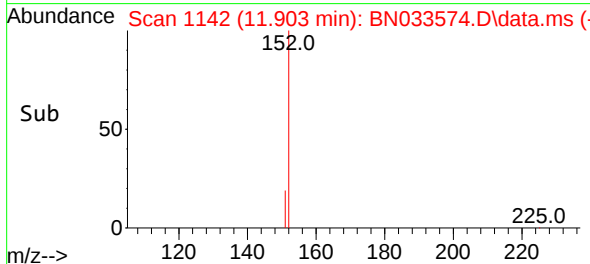
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD



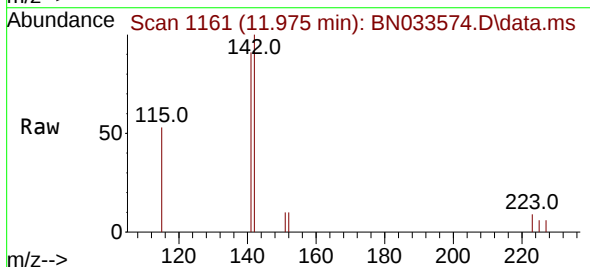
Tgt Ion:152 Resp: 518
Ion Ratio Lower Upper
152 100
151 21.0 16.6 25.0

Manual Integrations
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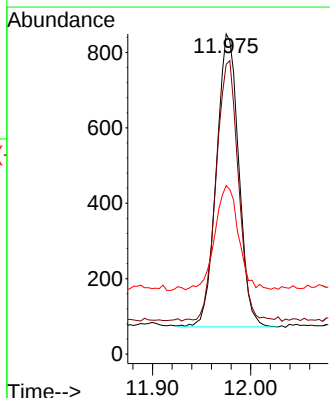
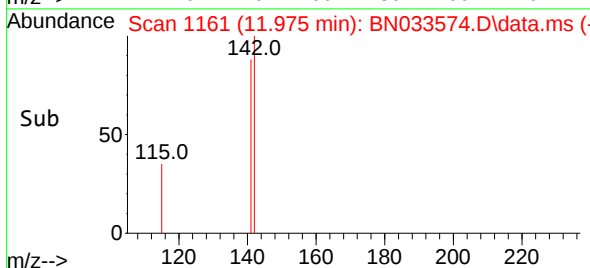
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

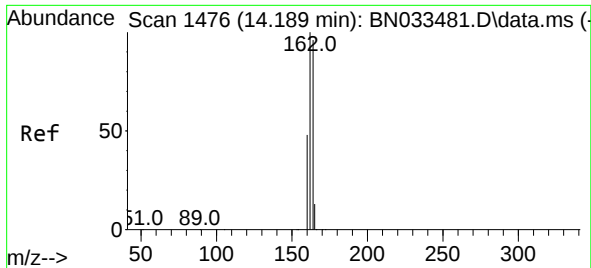


#12
2-Methylnaphthalene
Concen: 0.035 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42



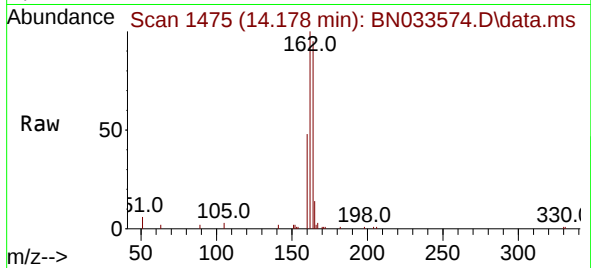
Tgt Ion:142 Resp: 1226
Ion Ratio Lower Upper
142 100
141 90.6 71.7 107.5
115 52.7 29.4 44.2#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

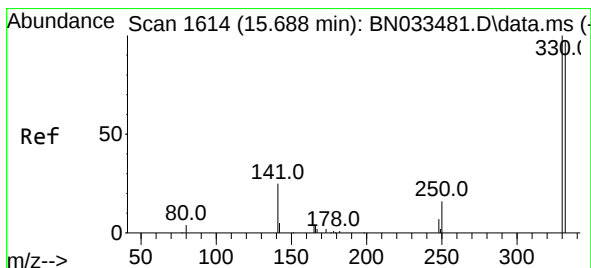
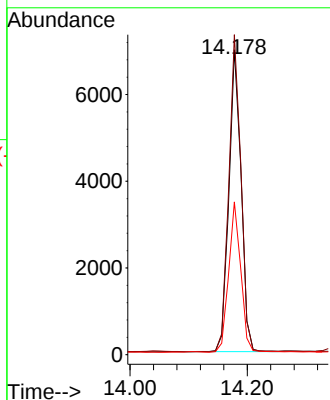
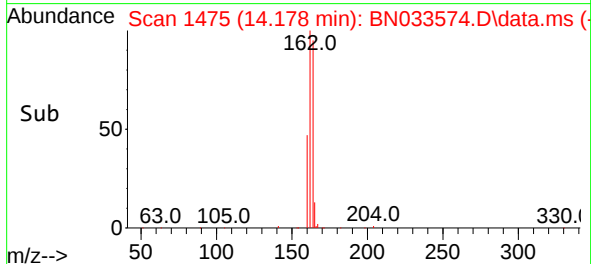
Instrument :
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Tgt Ion:164 Resp: 1002
Ion Ratio Lower Upper
164 100
162 104.9 83.5 125.3
160 50.1 40.2 60.4

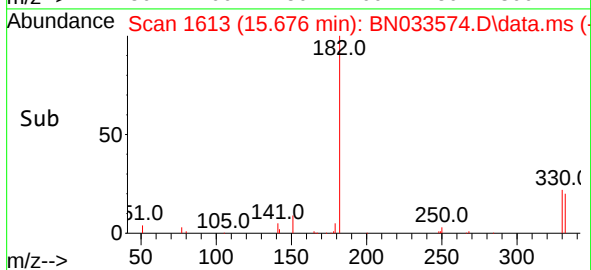
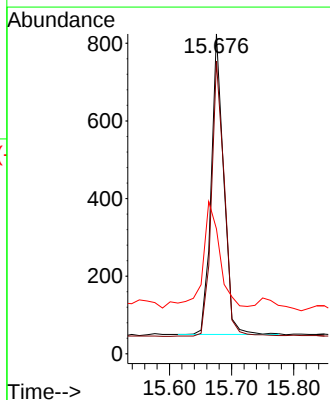
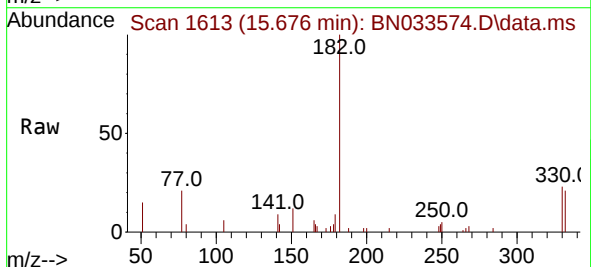
Manual Integrations
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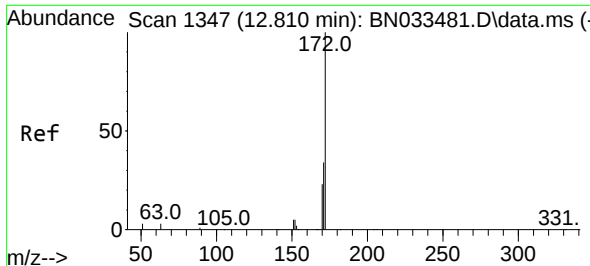
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#14
2,4,6-Tribromophenol
Concen: 0.202 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

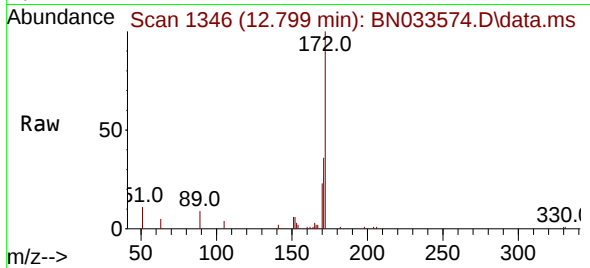
Tgt Ion:330 Resp: 1087
Ion Ratio Lower Upper
330 100
332 94.8 77.5 116.3
141 44.2 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.162 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

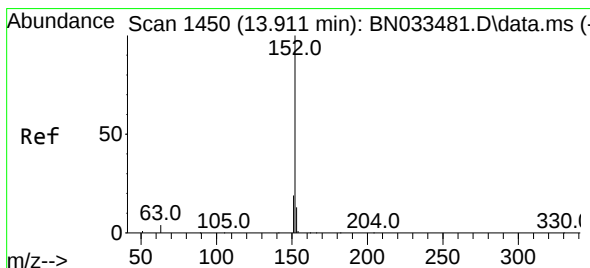
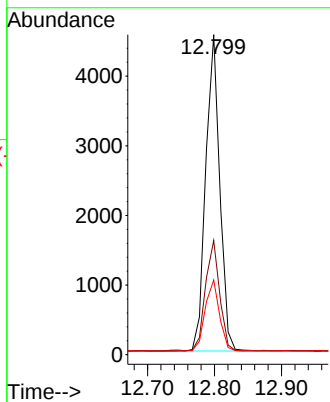
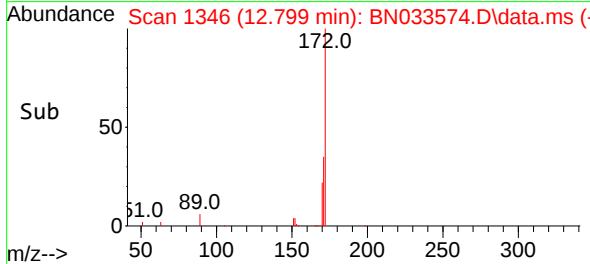
Instrument :
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Tgt Ion:172 Resp: 6614
Ion Ratio Lower Upper
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171 35.7 27.7 41.5
170 23.4 18.3 27.5

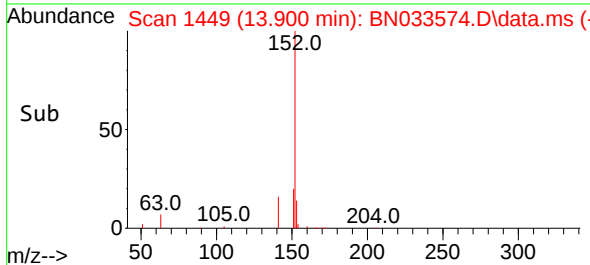
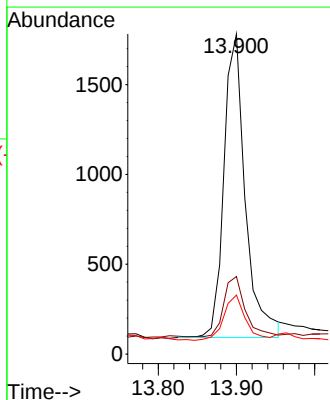
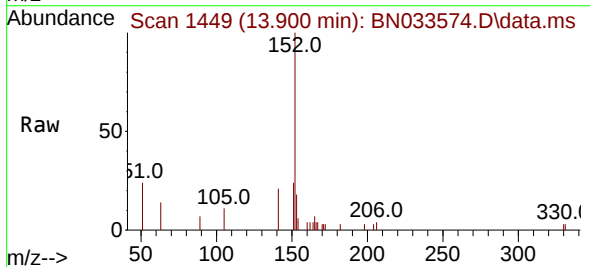
Manual Integrations
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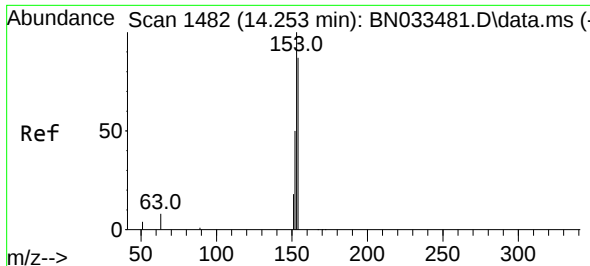
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#16
Acenaphthylene
Concen: 0.073 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

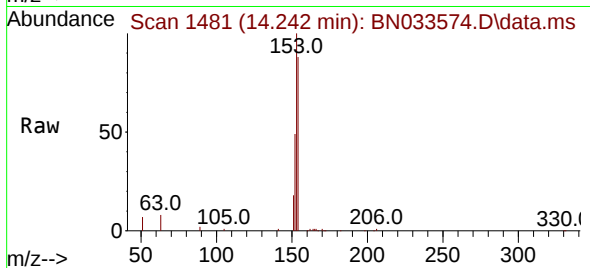
Tgt Ion:152 Resp: 3215
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 15.1 10.3 15.5





#17
Acenaphthene
Concen: 0.572 ng
RT: 14.242 min Scan# 1482
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

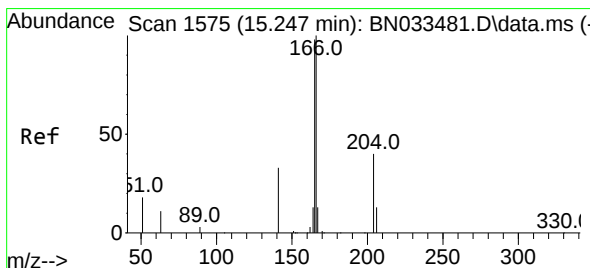
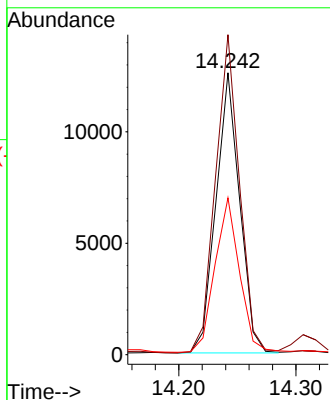
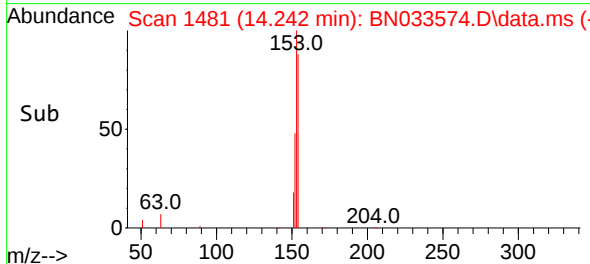
Instrument :
BNA_N
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Tgt Ion:154 Resp: 1769
Ion Ratio Lower Upper
154 100
153 114.6 89.0 133.6
152 57.0 45.2 67.8

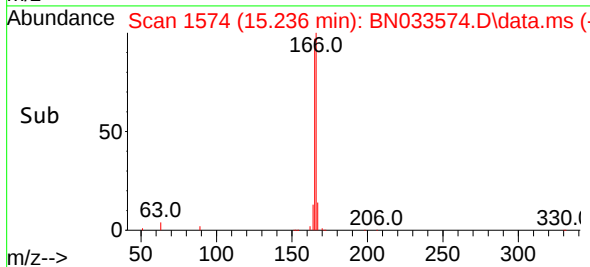
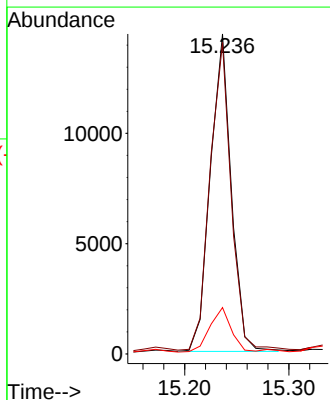
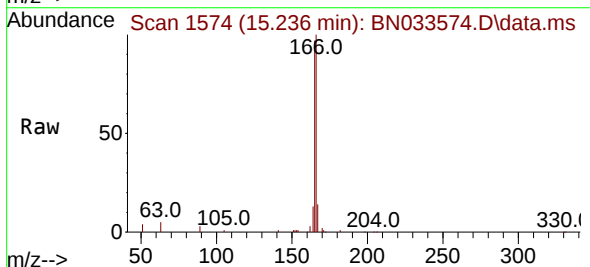
Manual Integrations
APPROVED

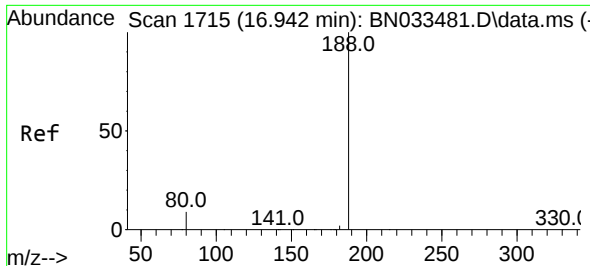
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#18
Fluorene
Concen: 0.516 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

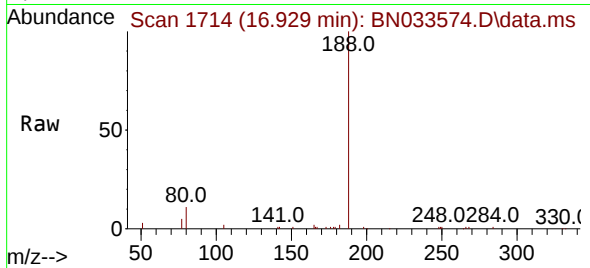
Tgt Ion:166 Resp: 20096
Ion Ratio Lower Upper
166 100
165 97.5 78.2 117.4
167 14.4 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

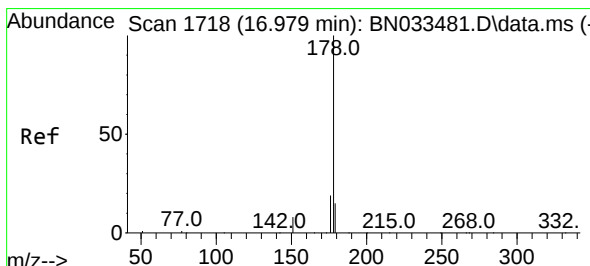
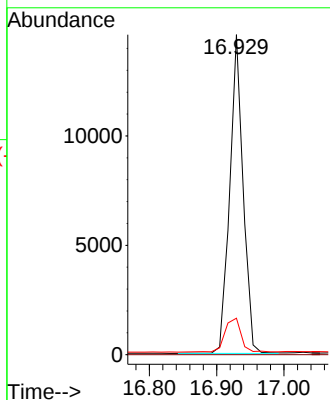
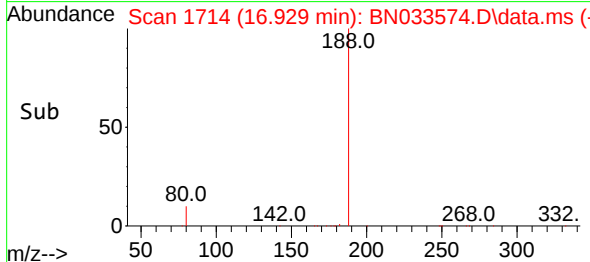
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD



Tgt Ion:188 Resp: 20049
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 7.8 11.8

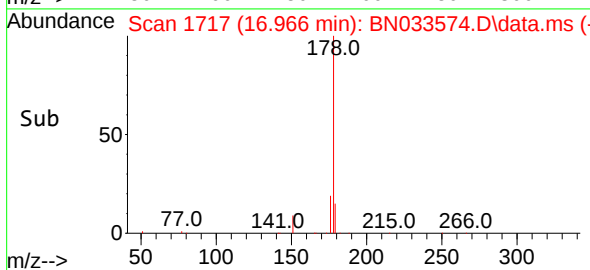
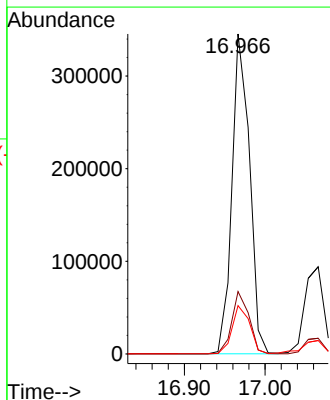
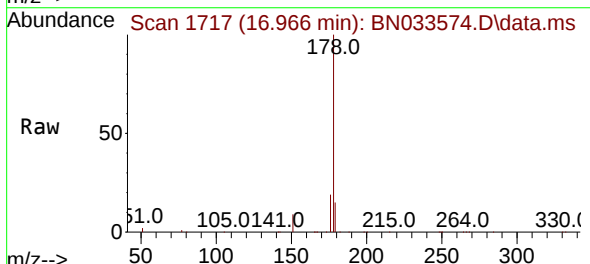
Manual Integrations
APPROVED

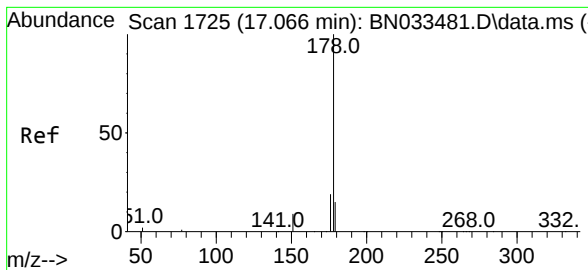
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#25
Phenanthrene
Concen: 9.296 ng
RT: 16.966 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

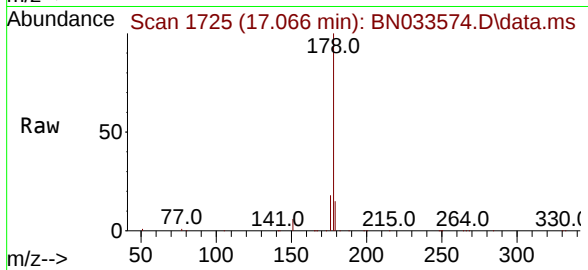
Tgt Ion:178 Resp: 518372
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.2 12.3 18.5





#26
 Anthracene
 Concen: 3.080 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. -0.000 min
 Lab File: BN033574.D
 Acq: 23 Aug 2024 04:42

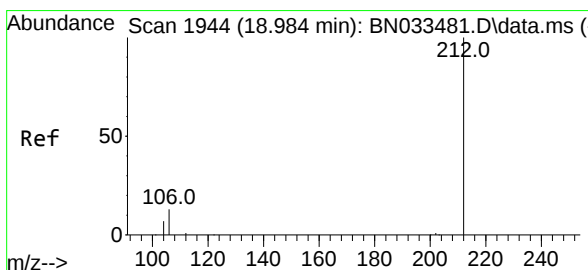
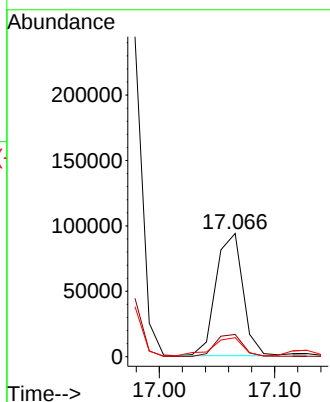
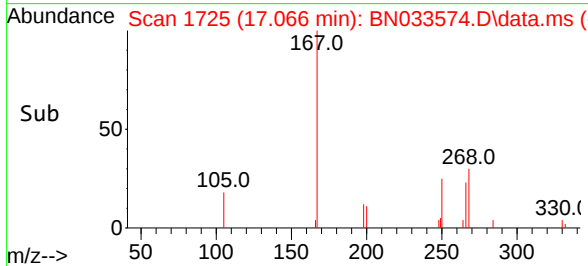
Instrument : BNA_N
 ClientSampleId : S-905-KJ-SO-0-0.5-081924-FD



Tgt Ion:178 Resp: 15197
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.6
 179 17.3 12.4 18.6

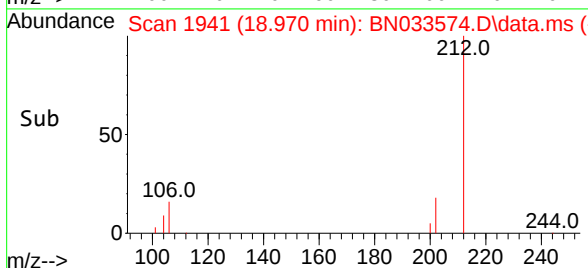
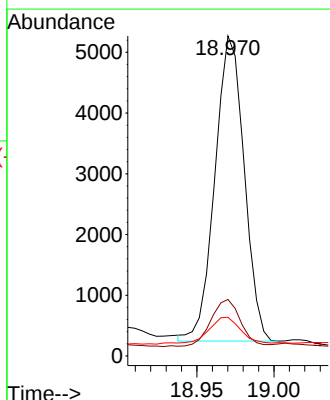
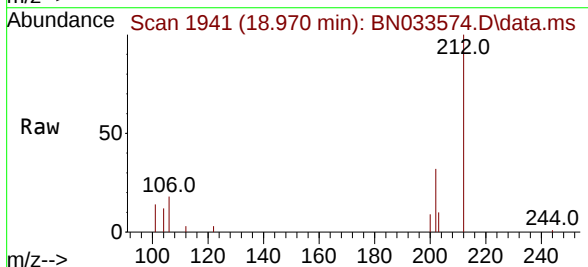
Manual Integrations
 APPROVED

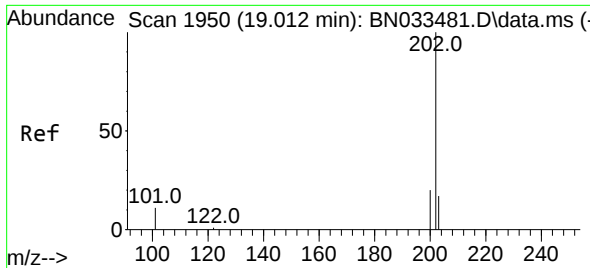
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#27
 Fluoranthene-d10
 Concen: 0.138 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: BN033574.D
 Acq: 23 Aug 2024 04:42

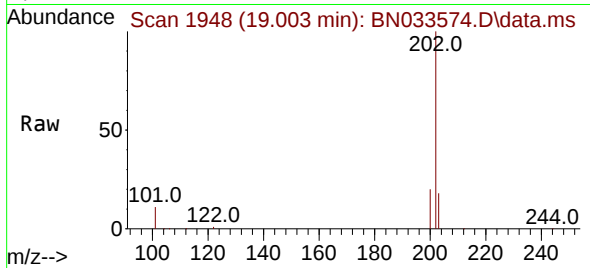
Tgt Ion:212 Resp: 6634
 Ion Ratio Lower Upper
 212 100
 106 15.8 12.3 18.5
 104 10.1 7.0 10.4





#28
Fluoranthene
Concen: 29.226 ng
RT: 19.003 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

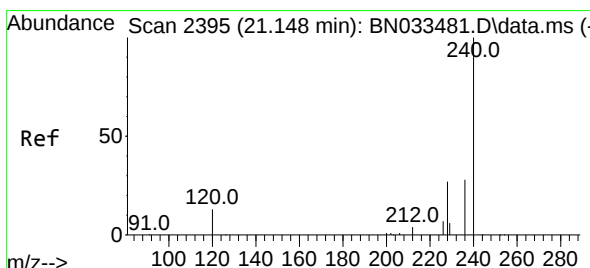
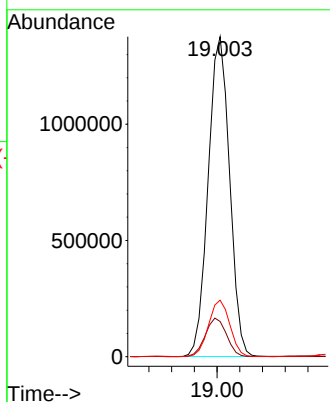
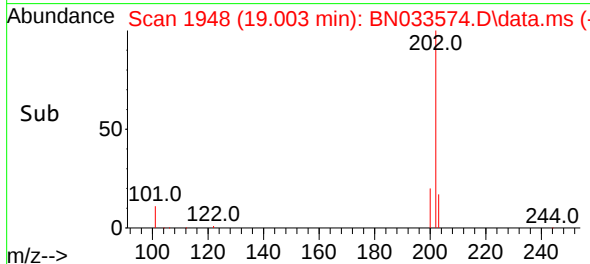
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD



Tgt Ion:202 Resp: 1801050
Ion Ratio Lower Upper
202 100
101 11.9 9.5 14.3
203 17.5 13.8 20.6

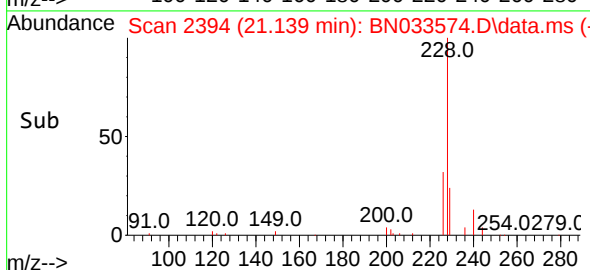
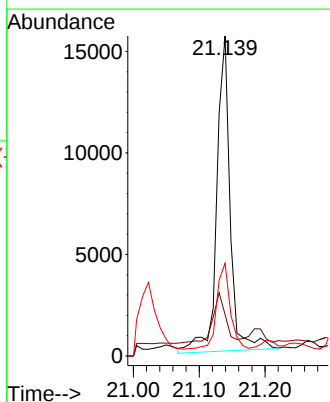
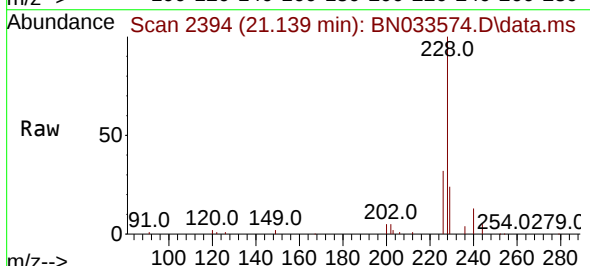
Manual Integrations
APPROVED

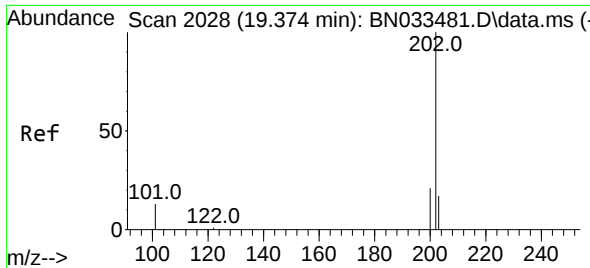
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

Tgt Ion:240 Resp: 22012
Ion Ratio Lower Upper
240 100
120 12.9 12.4 18.6
236 28.9 23.0 34.6





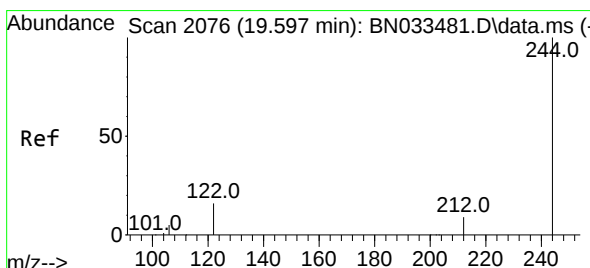
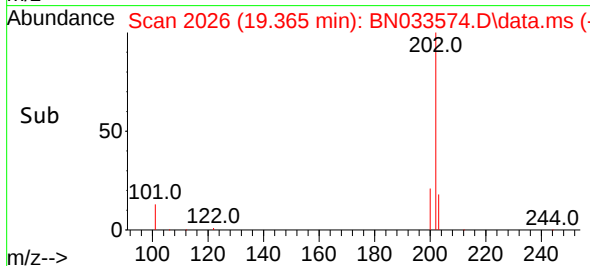
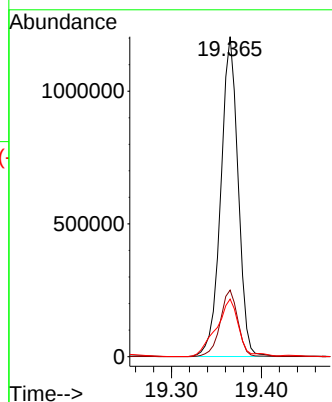
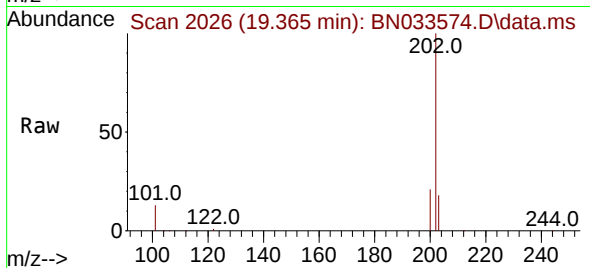
#30
Pyrene
Concen: 16.363 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Tgt Ion:202 Resp: 1607538
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 23.4 14.2 21.4

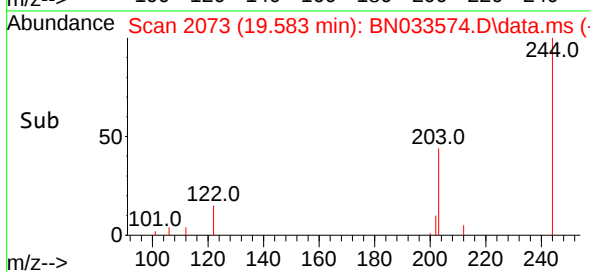
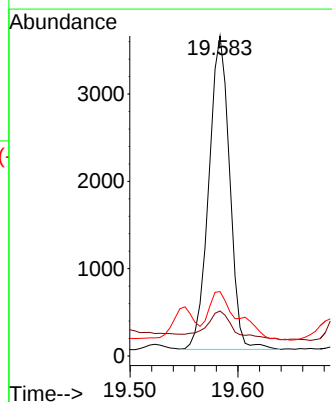
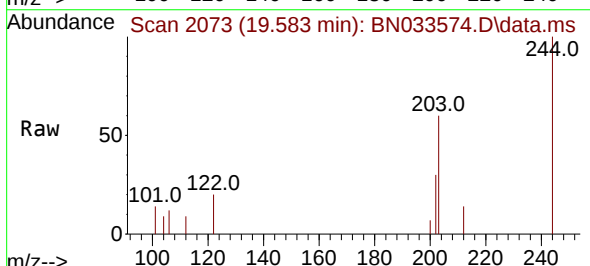
Manual Integrations
APPROVED

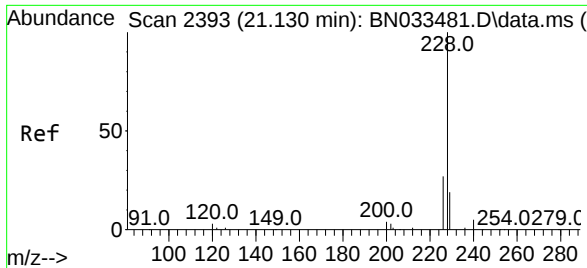
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#31
Terphenyl-d14
Concen: 0.096 ng
RT: 19.583 min Scan# 2073
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

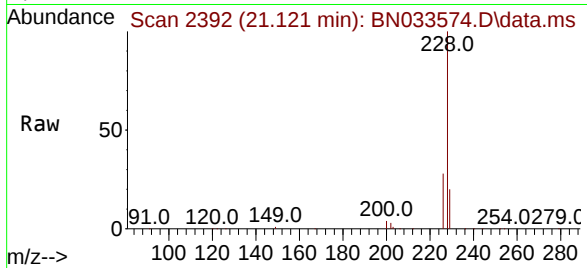
Tgt Ion:244 Resp: 4810
Ion Ratio Lower Upper
244 100
212 14.1 7.8 11.6#
122 20.1 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 16.336 ng
RT: 21.121 min Scan# 2111
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

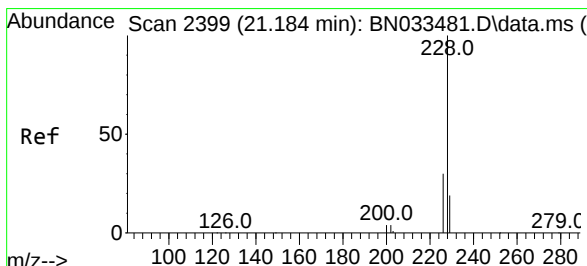
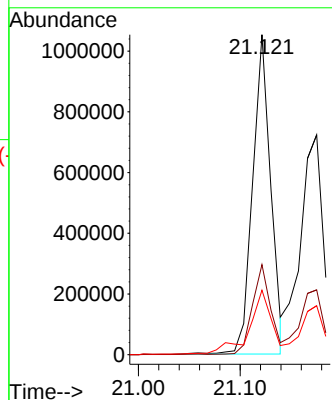
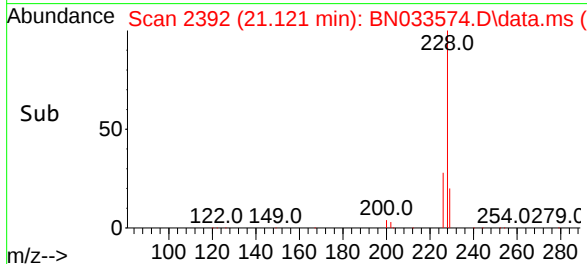
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD



Tgt Ion:228 Resp: 130001
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.6
229 20.2 15.8 23.6

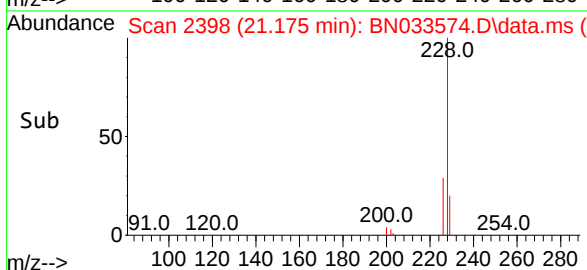
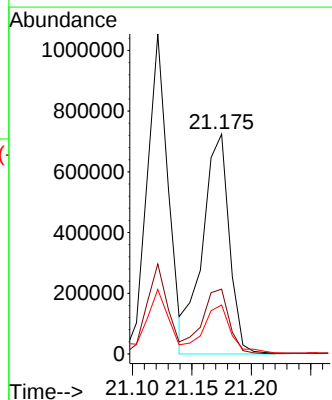
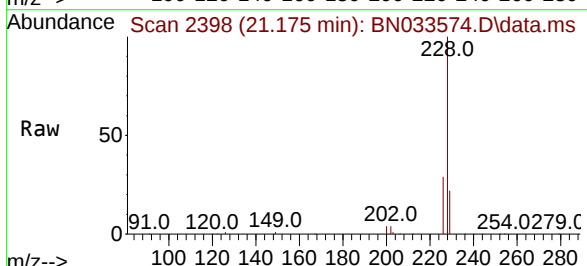
Manual Integrations
APPROVED

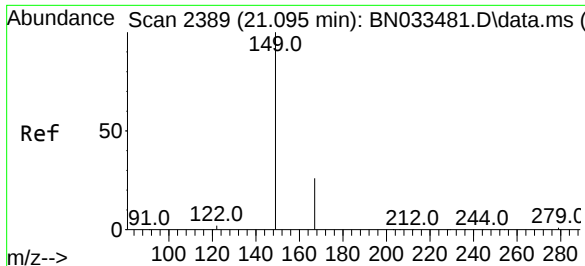
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#33
Chrysene
Concen: 14.371 ng m
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

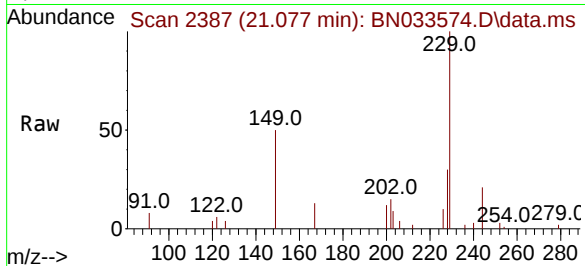
Tgt Ion:228 Resp: 1136784
Ion Ratio Lower Upper
228 100
226 29.5 23.8 35.8
229 22.3 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.179 ng m
RT: 21.077 min Scan# 2109
Delta R.T. -0.009 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

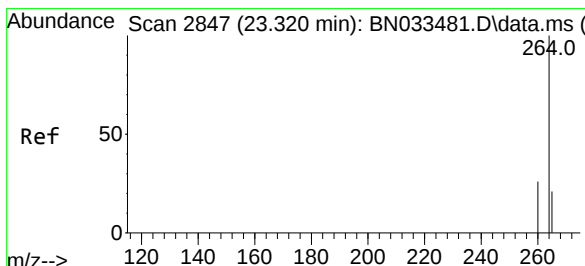
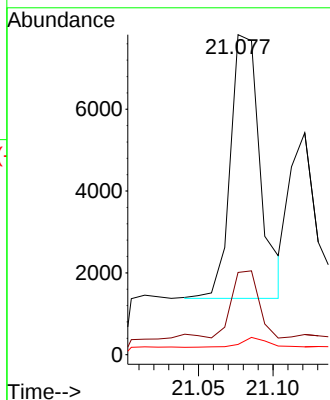
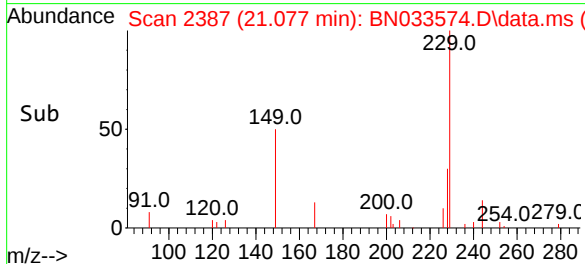
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD



Tgt Ion:149 Resp: 899
Ion Ratio Lower Upper
149 100
167 53.2 21.5 32.3
279 4.8 2.2 3.2

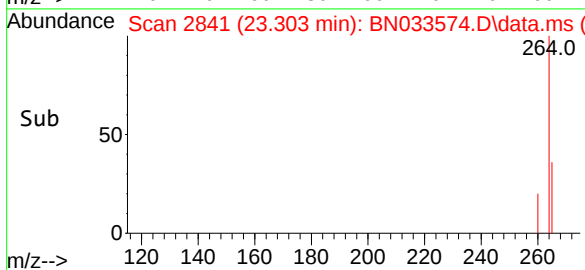
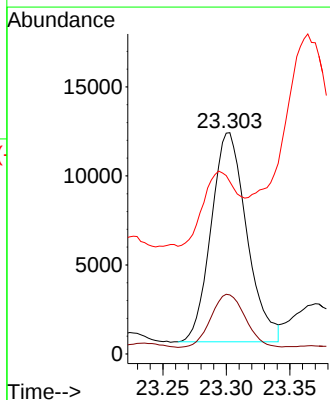
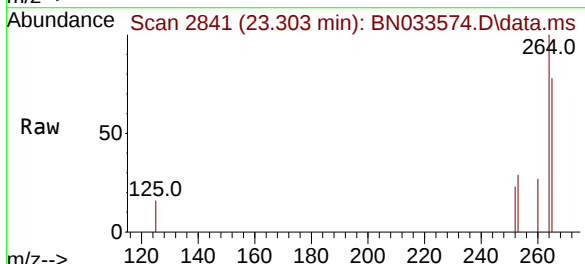
Manual Integrations
APPROVED

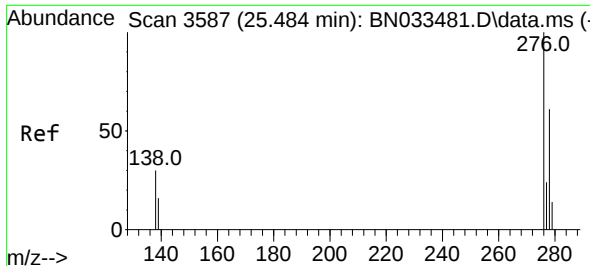
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.303 min Scan# 2841
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

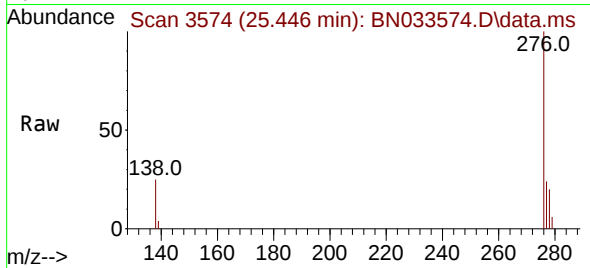
Tgt Ion:264 Resp: 22949
Ion Ratio Lower Upper
264 100
260 26.7 20.8 31.2
265 77.8 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 6.323 ng
RT: 25.446 min Scan# 3587
Delta R.T. -0.003 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

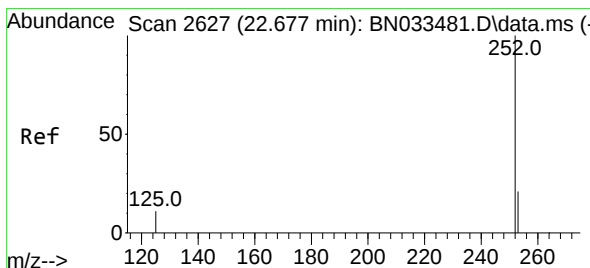
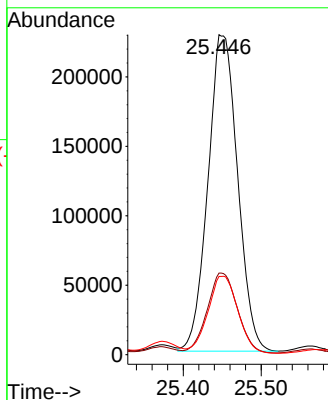
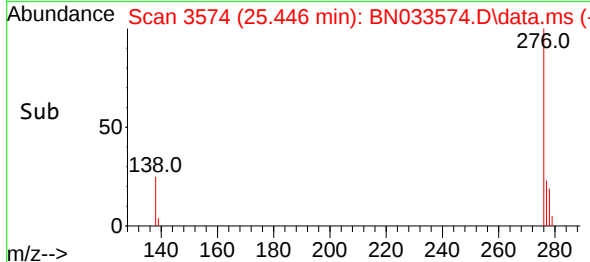
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD



Tgt Ion:276 Resp: 602379
Ion Ratio Lower Upper
276 100
138 25.6 24.4 36.6
277 24.5 19.8 29.6

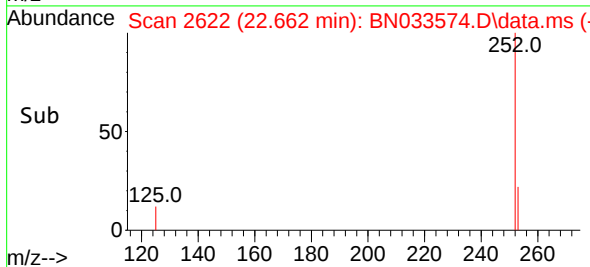
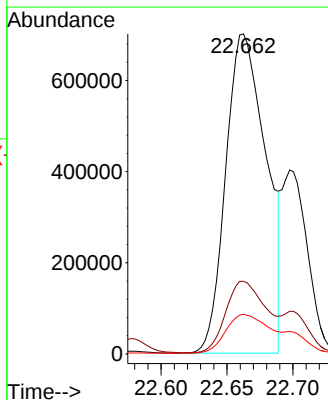
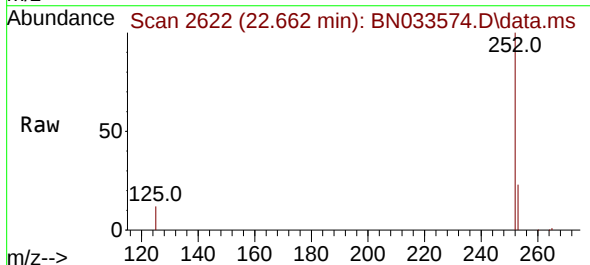
Manual Integrations
APPROVED

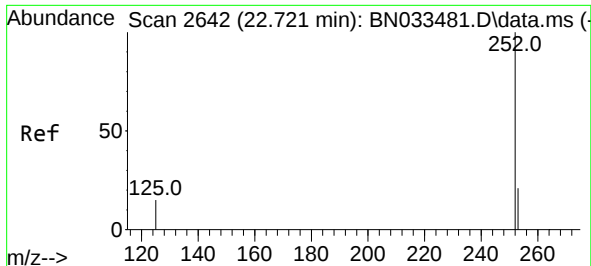
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#37
Benzo(b)fluoranthene
Concen: 17.336 ng
RT: 22.662 min Scan# 2622
Delta R.T. 0.003 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

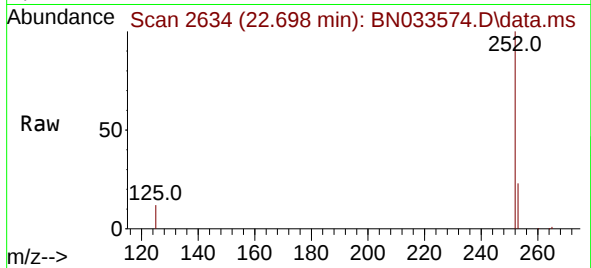
Tgt Ion:252 Resp: 1485702
Ion Ratio Lower Upper
252 100
253 22.7 19.8 29.8
125 12.4 13.9 20.9#





#38
Benzo(k)fluoranthene
Concen: 6.381 ng m
RT: 22.698 min Scan# 20
Delta R.T. -0.006 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

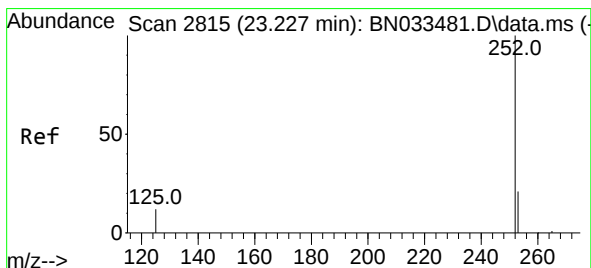
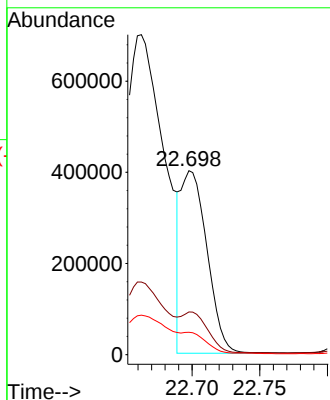
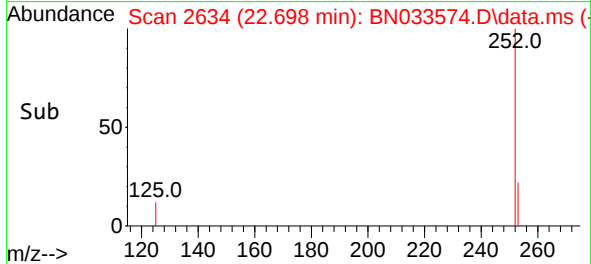
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD



Tgt Ion:252 Resp: 538280
Ion Ratio Lower Upper
252 100
253 23.2 19.8 29.8
125 12.2 15.8 23.8

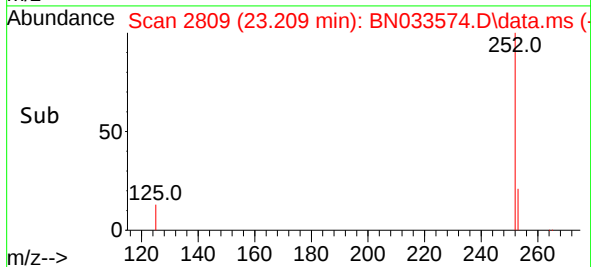
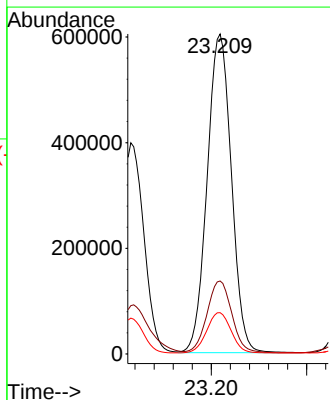
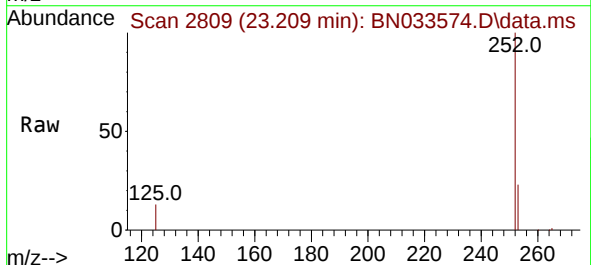
Manual Integrations
APPROVED

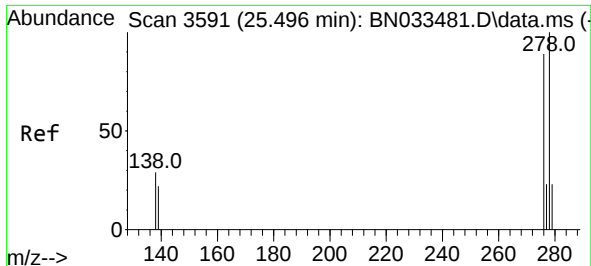
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#39
Benzo(a)pyrene
Concen: 15.026 ng m
RT: 23.209 min Scan# 2809
Delta R.T. -0.000 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

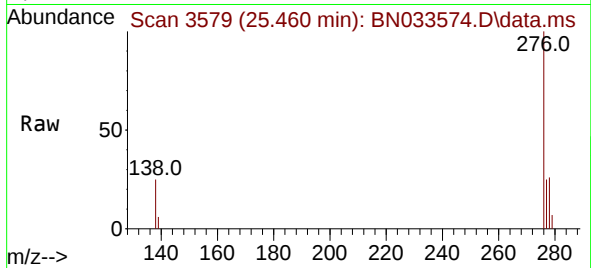
Tgt Ion:252 Resp: 1065507
Ion Ratio Lower Upper
252 100
253 22.8 21.5 32.3
125 12.9 17.0 25.4





#40
Dibenzo(a,h)anthracene
Concen: 2.081 ng
RT: 25.460 min Scan# 31
Delta R.T. -0.009 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

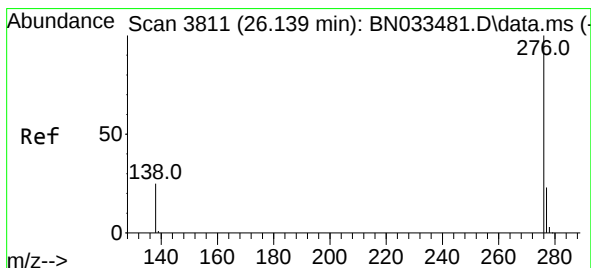
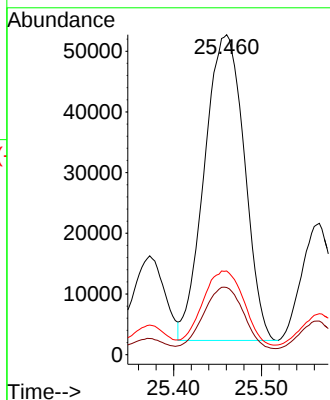
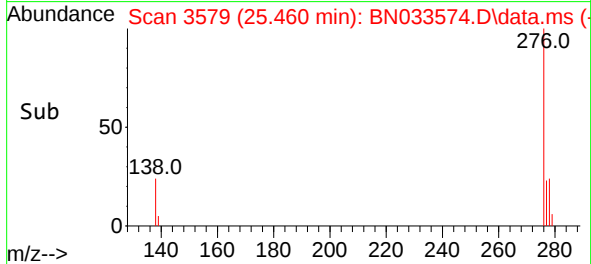
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD



Tgt Ion:278 Resp: 15854
Ion Ratio Lower Upper
278 100
139 21.0 19.1 28.7
279 26.1 21.0 31.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#41
Benzo(g,h,i)perylene
Concen: 6.668 ng
RT: 26.109 min Scan# 3801
Delta R.T. 0.006 min
Lab File: BN033574.D
Acq: 23 Aug 2024 04:42

Tgt Ion:276 Resp: 543217
Ion Ratio Lower Upper
276 100
277 23.8 19.7 29.5
138 25.6 21.8 32.6

