

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033557.D
 Acq On : 22 Aug 2024 17:43
 Operator : MA/JU
 Sample : P3663-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 916-J-SD-0-0.5-081624

Quant Time: Aug 22 18:09:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 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	8229	0.400	ng	-0.01
7) Naphthalene-d8	10.304	136	20757	0.400	ng	-0.01
13) Acenaphthene-d10	14.178	164	9578	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	18941	0.400	ng	-0.01
29) Chrysene-d12	21.139	240	17576	0.400	ng	0.00
35) Perylene-d12	23.311	264	19504	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4347	0.166	ng	0.00
5) Phenol-d6	6.736	99	5048	0.162	ng	0.00
8) Nitrobenzene-d5	8.681	82	3339	0.194	ng	-0.01
11) 2-Methylnaphthalene-d10	11.903	152	4404	0.148	ng	-0.01
14) 2,4,6-Tribromophenol	15.676	330	739	0.144	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	5647	0.144	ng	-0.01
27) Fluoranthene-d10	18.970	212	5548	0.122	ng	-0.01
31) Terphenyl-d14	19.588	244	3911	0.098	ng	0.00
Target Compounds					Qvalue	
9) Naphthalene	10.357	128	2187	0.039	ng	# 89
12) 2-Methylnaphthalene	11.979	142	1083	0.031	ng	# 89
16) Acenaphthylene	13.900	152	17484	0.416	ng	100
17) Acenaphthene	14.242	154	2177	0.074	ng	97
18) Fluorene	15.236	166	5004	0.134	ng	97
25) Phenanthrene	16.966	178	154782	2.937	ng	100
26) Anthracene	17.066	178	30153	0.647	ng	98
28) Fluoranthene	19.003	202	489559	8.407	ng	100
30) Pyrene	19.365	202	418761	5.338	ng	97
32) Benzo(a)anthracene	21.121	228	219129	3.448	ng	98
33) Chrysene	21.175	228	220439	3.490	ng	98
34) Bis(2-ethylhexyl)phtha...	21.086	149	7466m	0.186	ng	
36) Indeno(1,2,3-cd)pyrene	25.460	276	164246	2.028	ng	94
37) Benzo(b)fluoranthene	22.668	252	316138	4.340	ng	# 93
38) Benzo(k)fluoranthene	22.706	252	129288m	1.803	ng	
39) Benzo(a)pyrene	23.215	252	214664m	3.562	ng	
40) Dibenzo(a,h)anthracene	25.469	278	35108	0.542	ng	98
41) Benzo(g,h,i)perylene	26.115	276	160851	2.323	ng	98

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

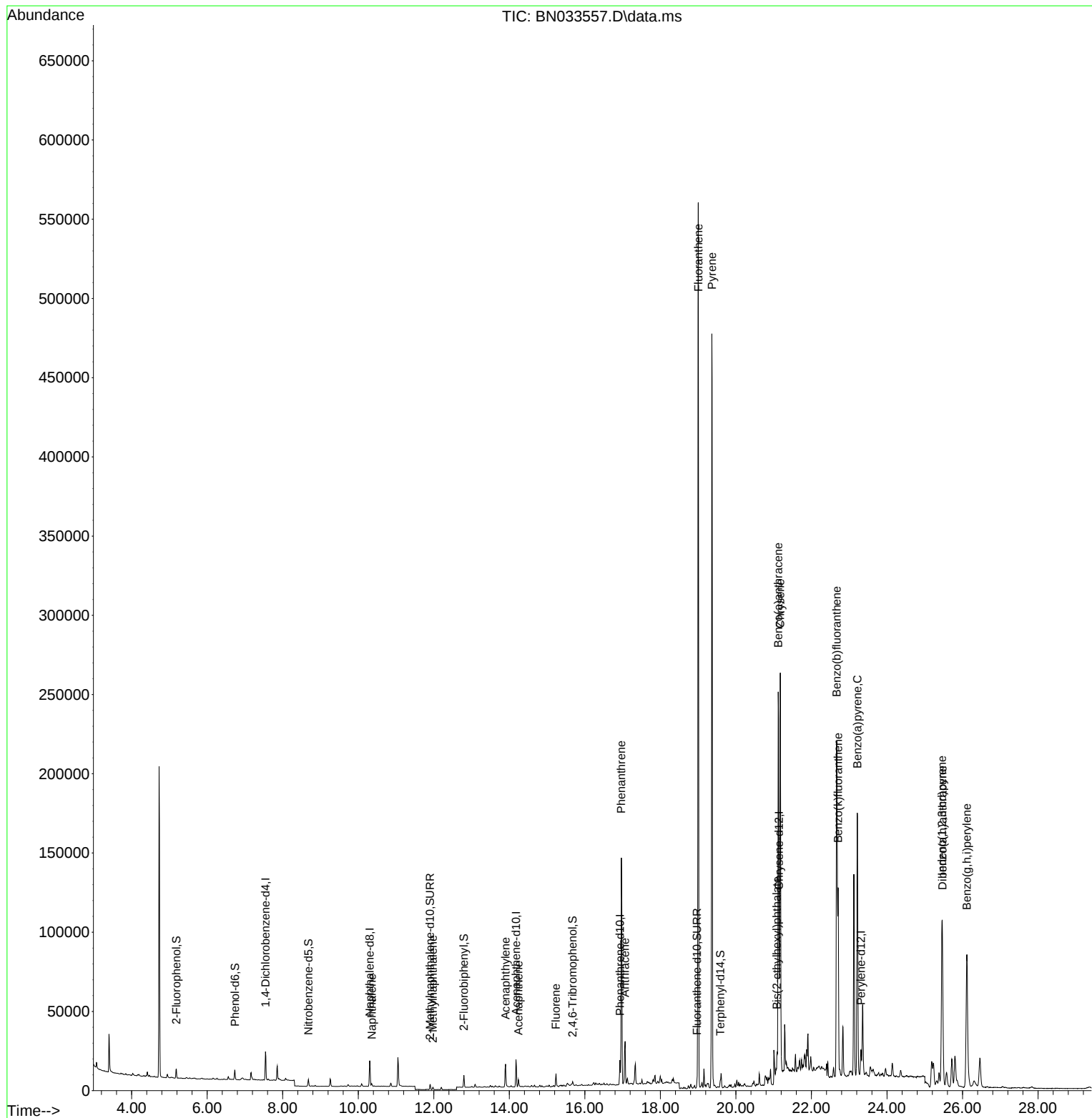
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
Data File : BN033557.D
Acq On : 22 Aug 2024 17:43
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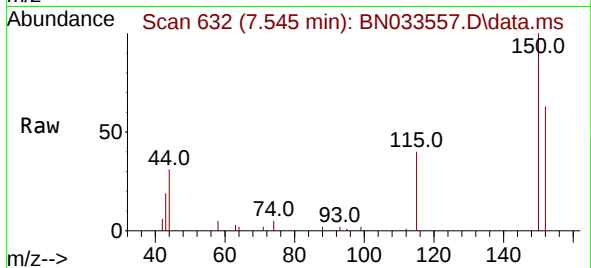
Quant Time: Aug 22 18:09:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 23:32:18 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 611
Delta R.T. -0.014 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

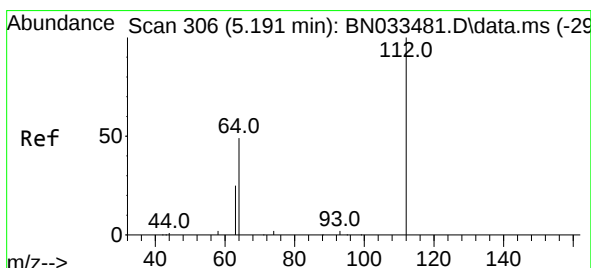
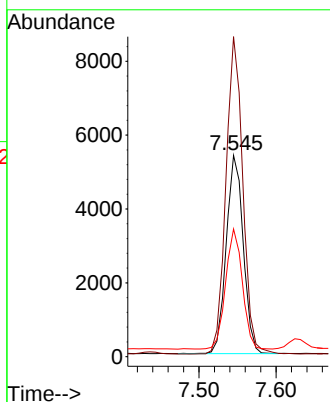
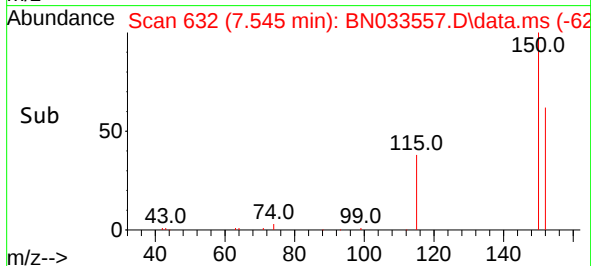
Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624



Tgt Ion:152 Resp: 8229
Ion Ratio Lower Upper
152 100
150 158.9 122.2 183.2
115 63.4 47.2 70.8

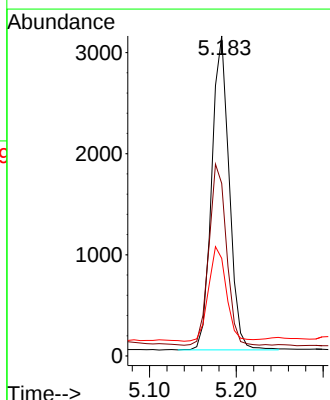
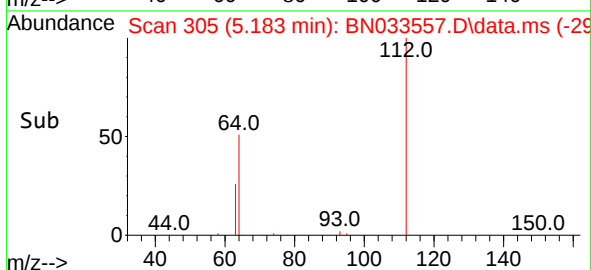
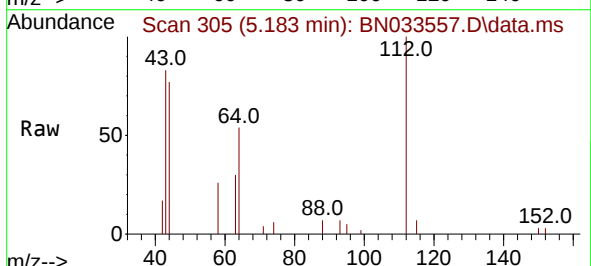
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Supervised By :mohammad ahmed 08/24/2024



#4
2-Fluorophenol
Concen: 0.166 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

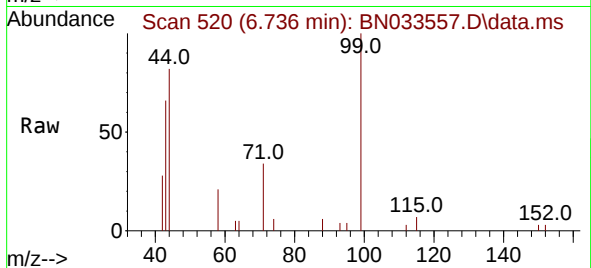
Tgt Ion:112 Resp: 4347
Ion Ratio Lower Upper
112 100
64 57.7 47.1 70.7
63 30.7 24.9 37.3





#5
Phenol-d6
Concen: 0.162 ng
RT: 6.736 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

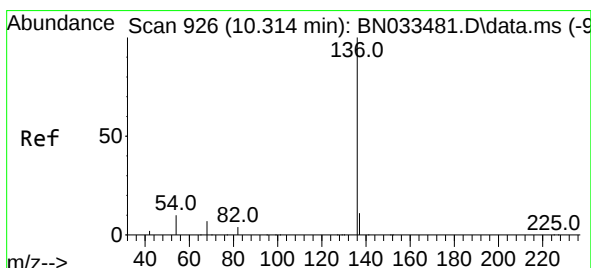
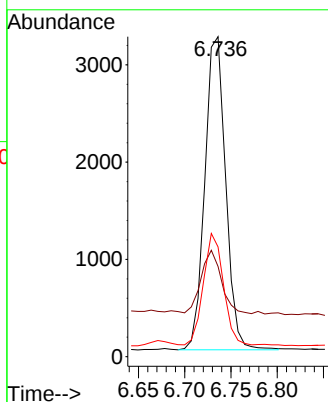
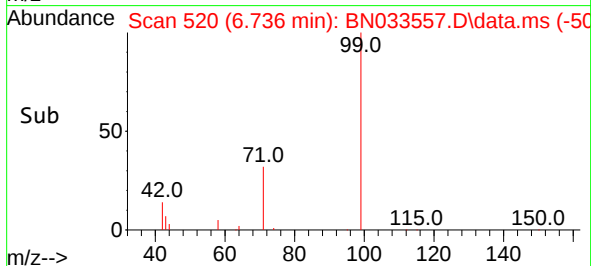
Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624



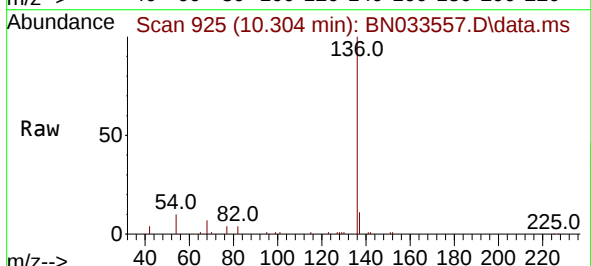
Tgt Ion: 99 Resp: 5048
Ion Ratio Lower Upper
99 100
42 19.7 16.6 24.8
71 34.4 26.2 39.4

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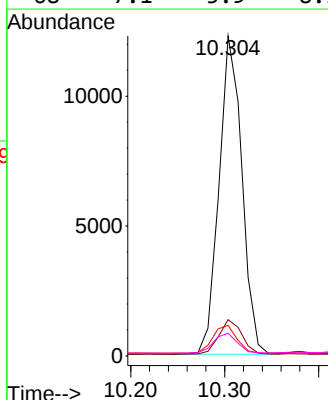
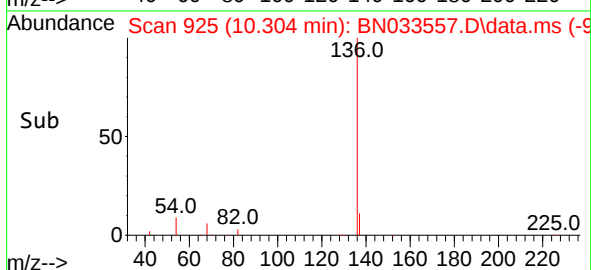
Reviewed By :Yogesh Patel 08/23/2024
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.011 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43



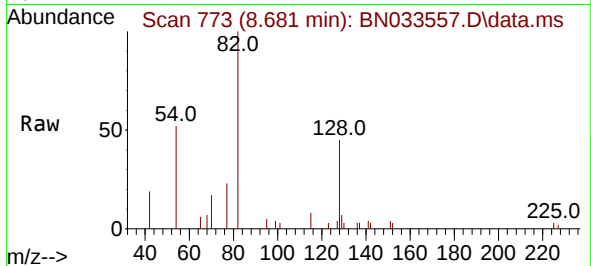
Tgt Ion:136 Resp: 20757
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.6 8.3 12.5
68 7.1 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.194 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

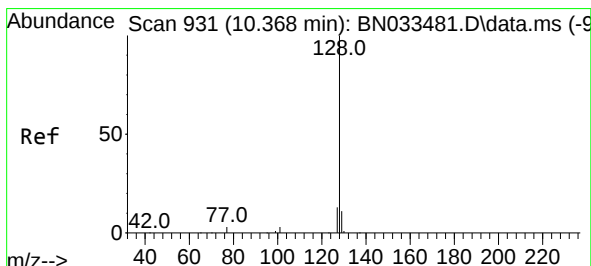
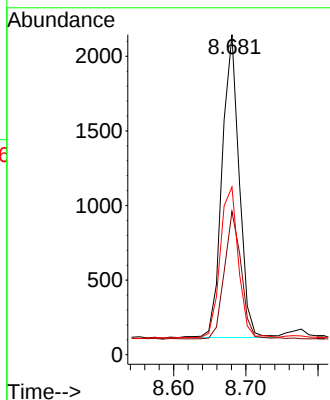
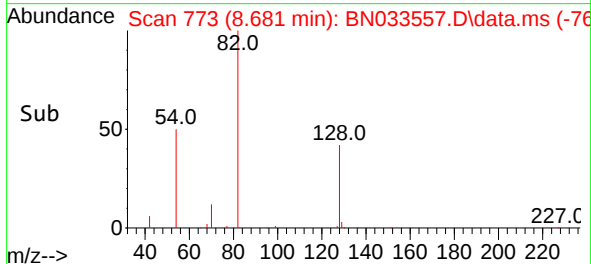
Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624



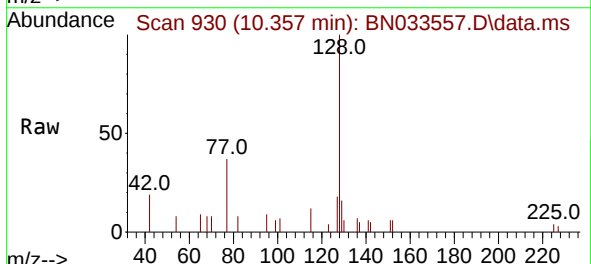
Tgt Ion: 82 Resp: 3339
Ion Ratio Lower Upper
82 100
128 44.8 36.0 54.0
54 52.4 42.0 63.0

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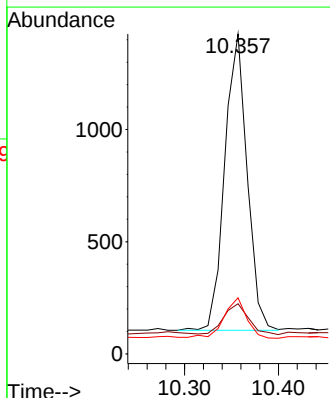
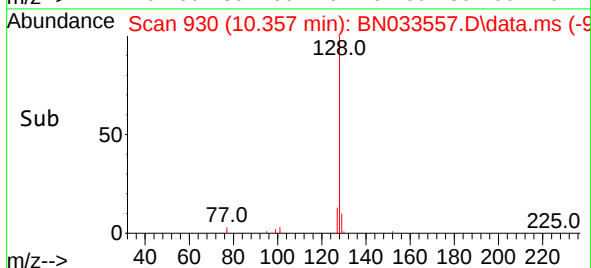
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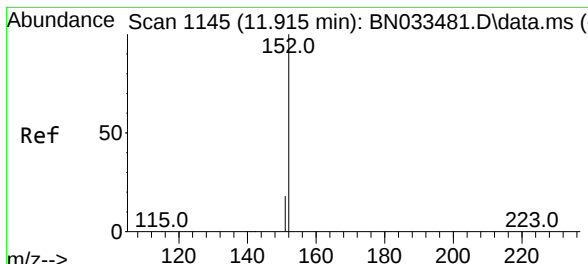


#9
Naphthalene
Concen: 0.039 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.011 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43



Tgt Ion:128 Resp: 2187
Ion Ratio Lower Upper
128 100
129 15.7 9.1 13.7#
127 17.5 10.7 16.1#





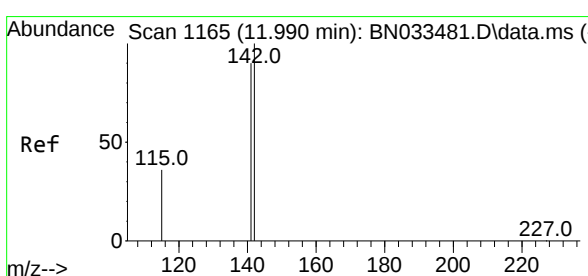
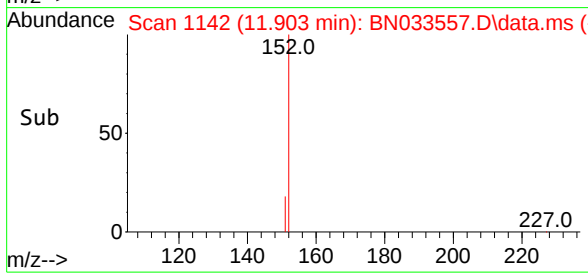
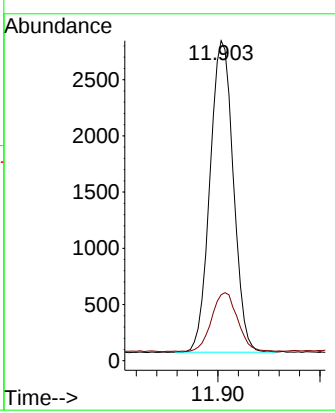
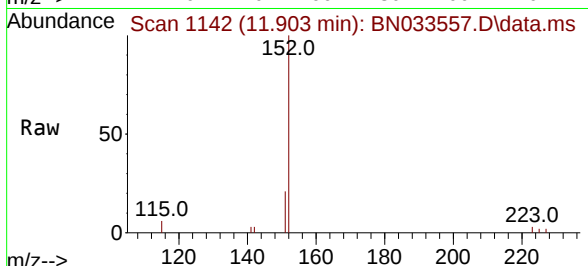
#11
2-Methylnaphthalene-d10
Concen: 0.148 ng
RT: 11.903 min Scan# 1145
Delta R.T. -0.011 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

Instrument : BNA_N
ClientSampleId : 916-J-SD-0-0.5-081624

Tgt Ion:152 Resp: 440

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.6	25.0

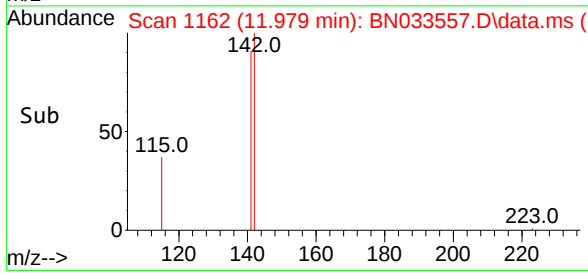
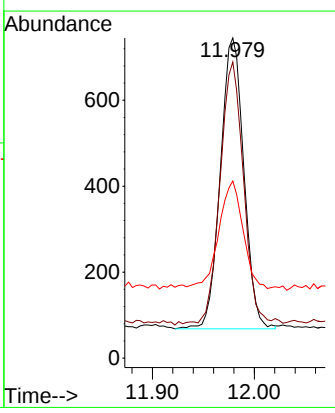
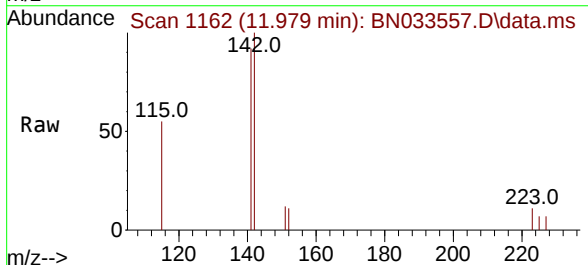
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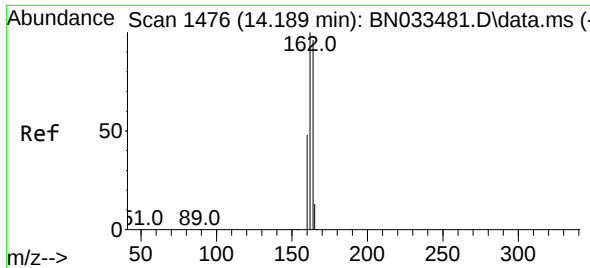


#12
2-Methylnaphthalene
Concen: 0.031 ng
RT: 11.979 min Scan# 1162
Delta R.T. -0.011 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

Tgt Ion:142 Resp: 1083

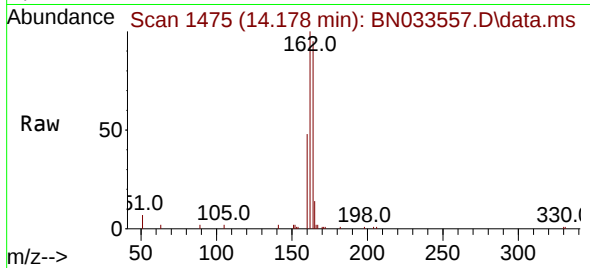
Ion	Ratio	Lower	Upper
142	100		
141	92.5	71.7	107.5
115	55.3	29.4	44.2





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.011 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

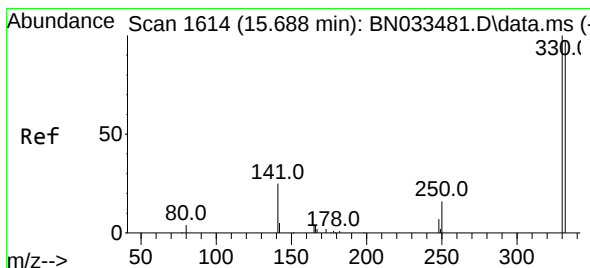
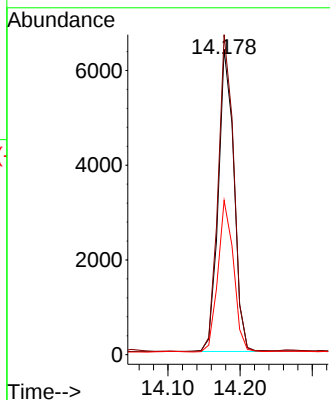
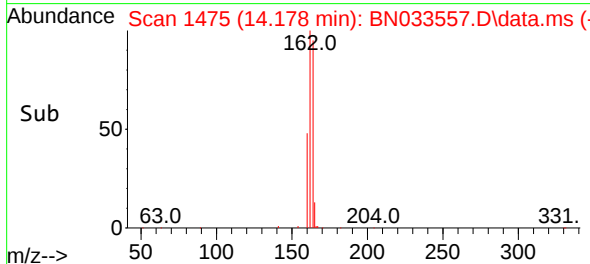
Instrument :
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ClientSampleId :
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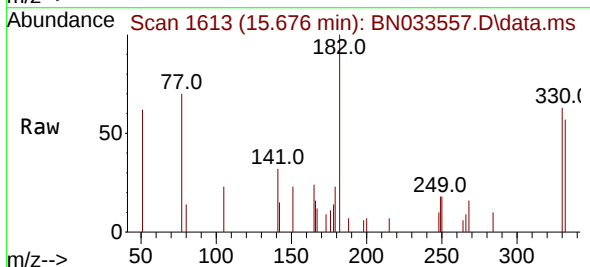
Tgt Ion:164 Resp: 9578
Ion Ratio Lower Upper
164 100
162 104.8 83.5 125.3
160 50.5 40.2 60.4

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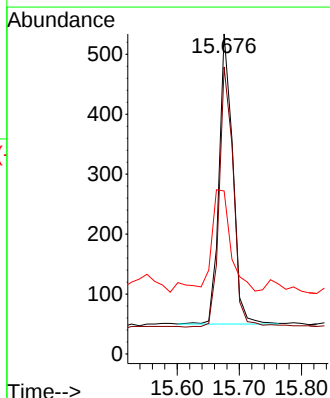
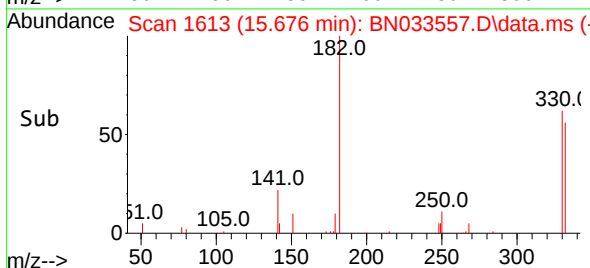
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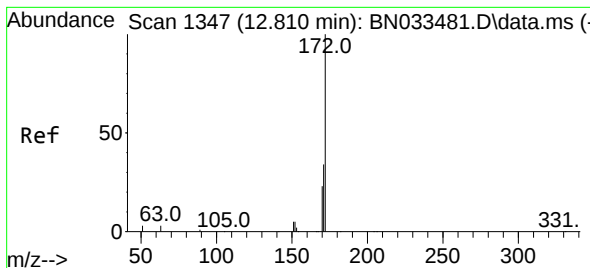


#14
2,4,6-Tribromophenol
Concen: 0.144 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.013 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43



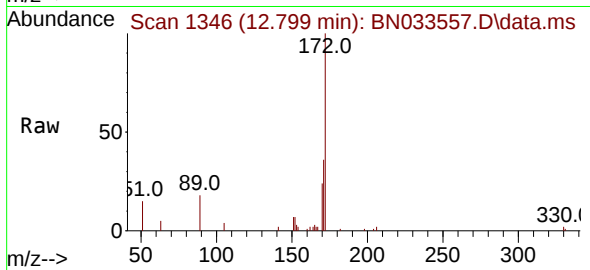
Tgt Ion:330 Resp: 739
Ion Ratio Lower Upper
330 100
332 92.6 77.5 116.3
141 47.4 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.144 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

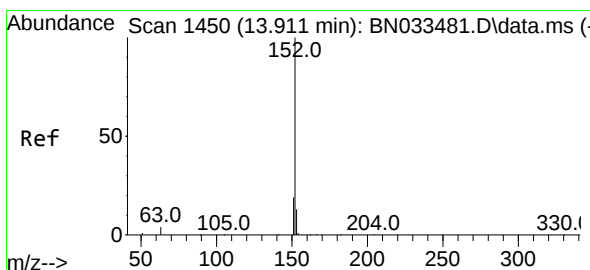
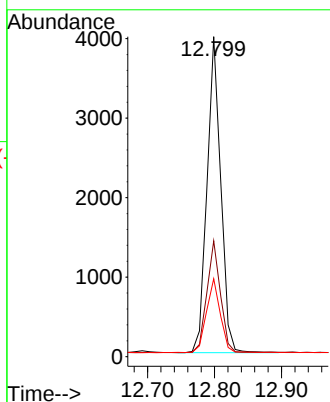
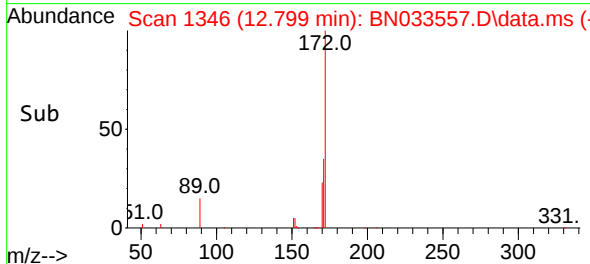
Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624



Tgt Ion:172 Resp: 564
Ion Ratio Lower Upper
172 100
171 36.2 27.7 41.5
170 24.3 18.3 27.5

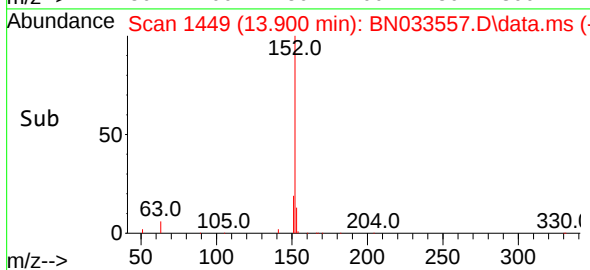
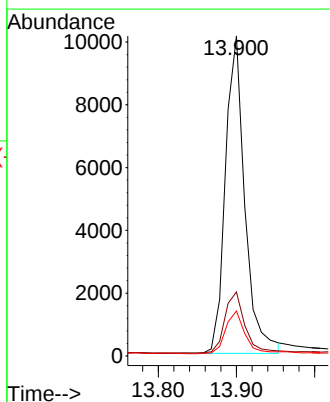
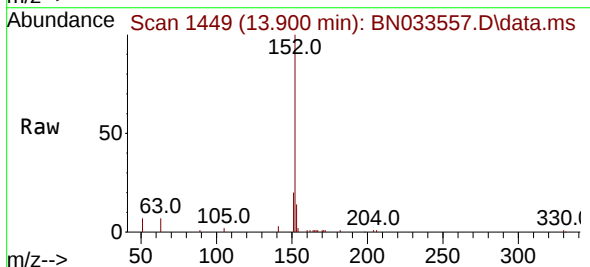
Manual Integrations
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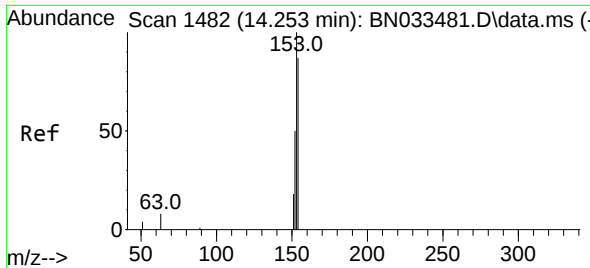
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#16
Acenaphthylene
Concen: 0.416 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

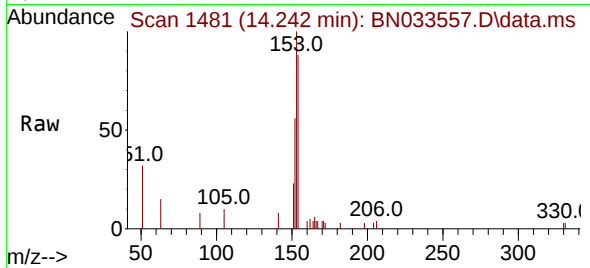
Tgt Ion:152 Resp: 17484
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.3 10.3 15.5





#17
Acenaphthene
Concen: 0.074 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

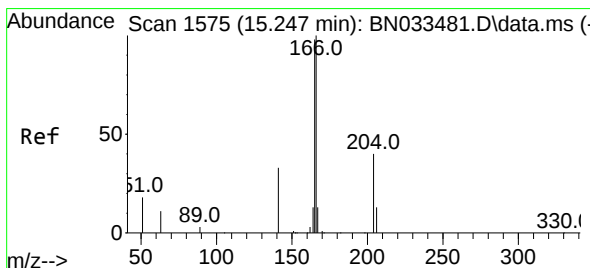
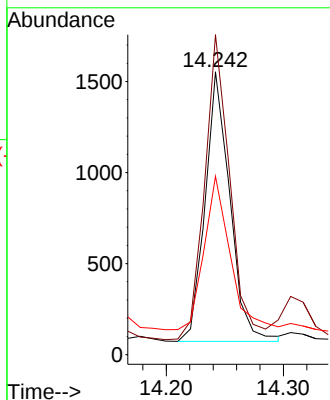
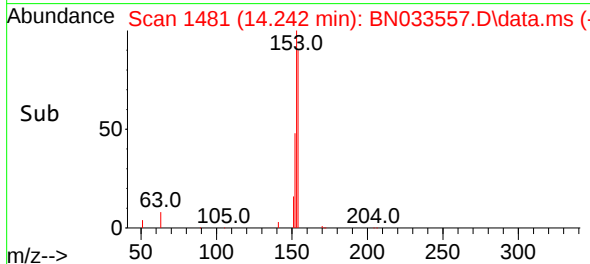
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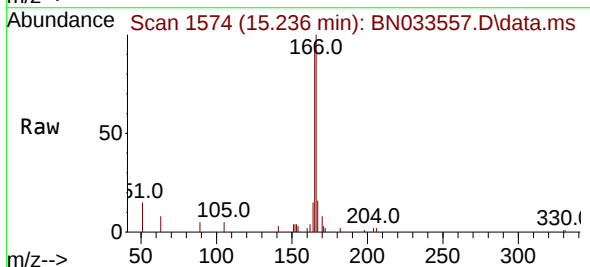
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Ion Ratio Lower Upper
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153 114.9 89.0 133.6
152 59.0 45.2 67.8

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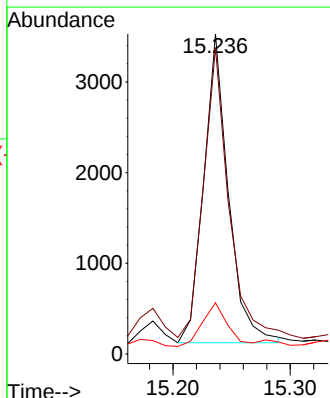
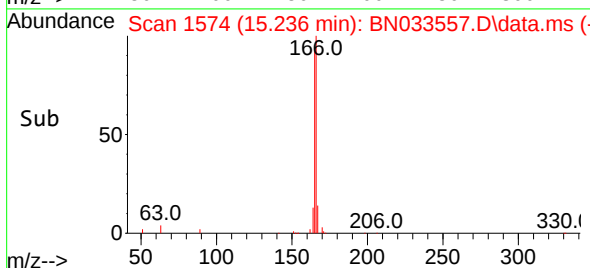
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

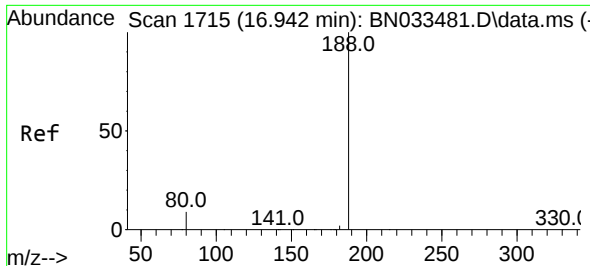


#18
Fluorene
Concen: 0.134 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43



Tgt Ion:166 Resp: 5004
Ion Ratio Lower Upper
166 100
165 94.7 78.2 117.4
167 14.6 10.6 16.0





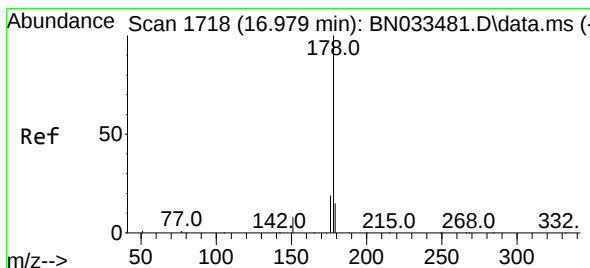
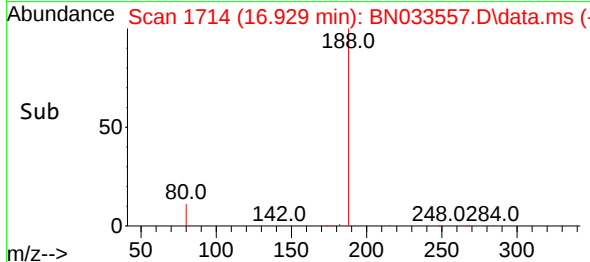
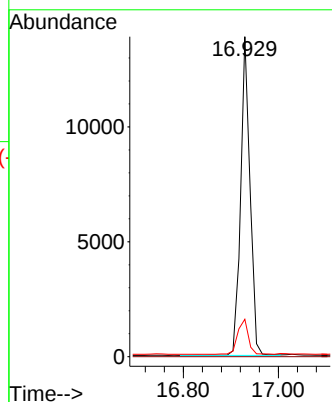
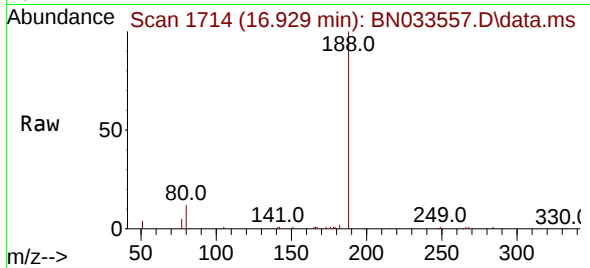
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.013 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624

Tgt Ion:188 Resp: 1894
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.7 7.8 11.8

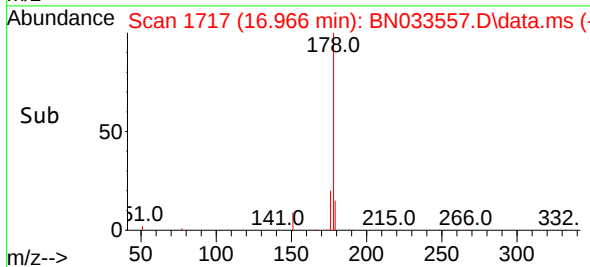
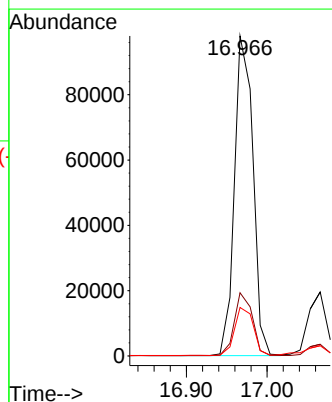
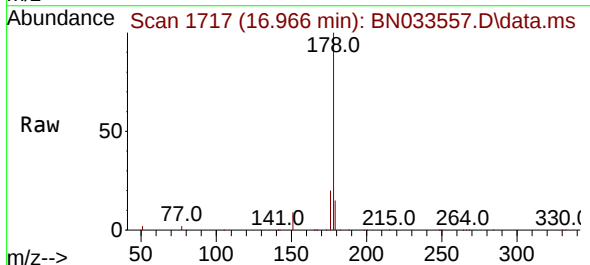
Manual Integrations
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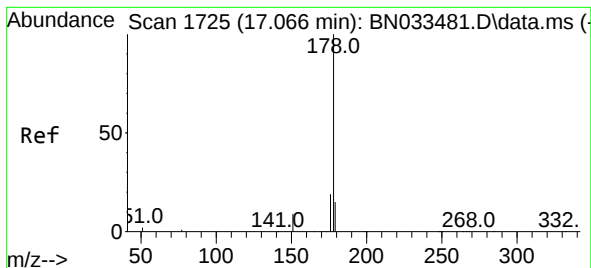
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#25
Phenanthrene
Concen: 2.937 ng
RT: 16.966 min Scan# 1717
Delta R.T. -0.013 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

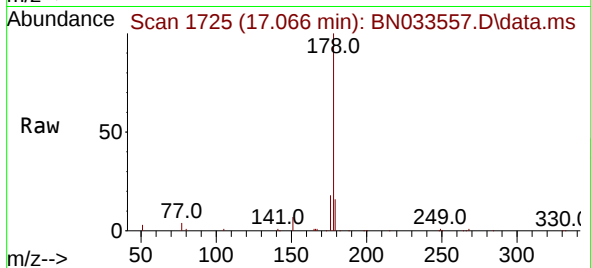
Tgt Ion:178 Resp: 154782
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.3 12.3 18.5





#26
 Anthracene
 Concen: 0.647 ng
 RT: 17.066 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN033557.D
 Acq: 22 Aug 2024 17:43

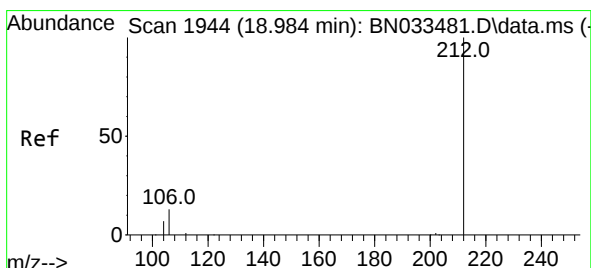
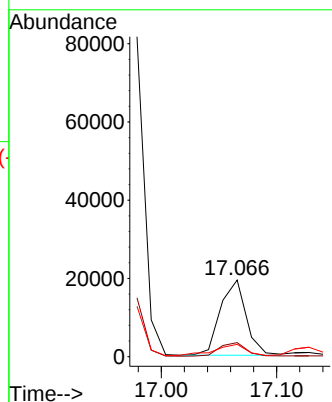
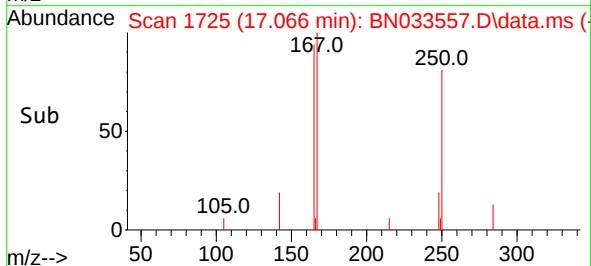
Instrument :
 BNA_N
 ClientSampleId :
 916-J-SD-0-0.5-081624



Tgt Ion:178 Resp: 3015
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.6
 179 16.9 12.4 18.6

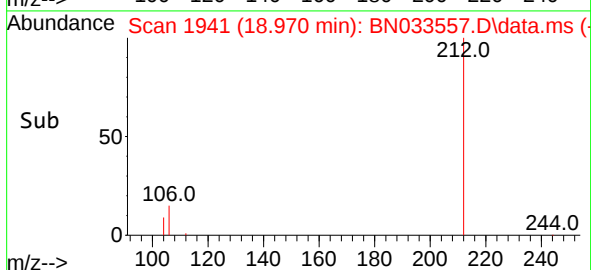
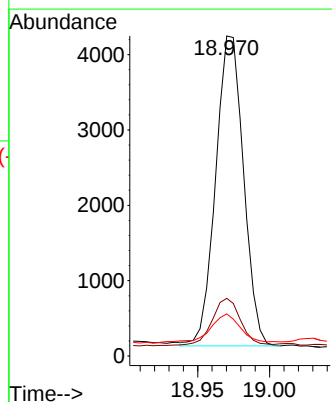
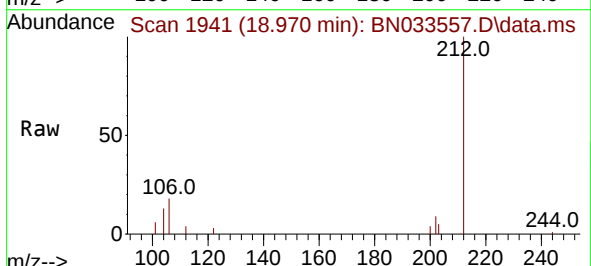
Manual Integrations
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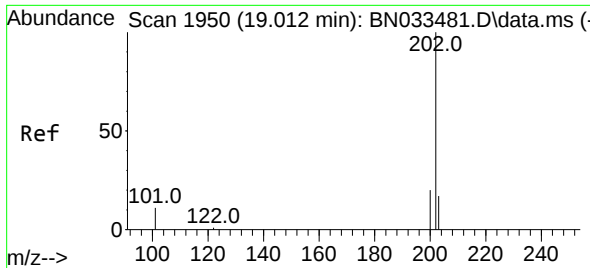
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#27
 Fluoranthene-d10
 Concen: 0.122 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.014 min
 Lab File: BN033557.D
 Acq: 22 Aug 2024 17:43

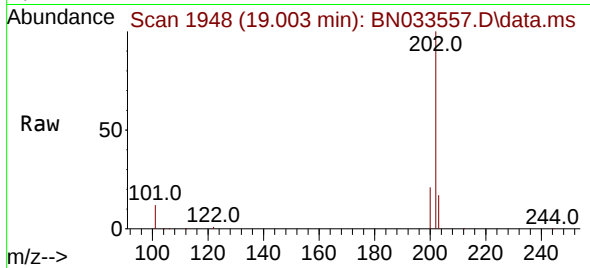
Tgt Ion:212 Resp: 5548
 Ion Ratio Lower Upper
 212 100
 106 15.8 12.3 18.5
 104 10.5 7.0 10.4#





#28
Fluoranthene
Concen: 8.407 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

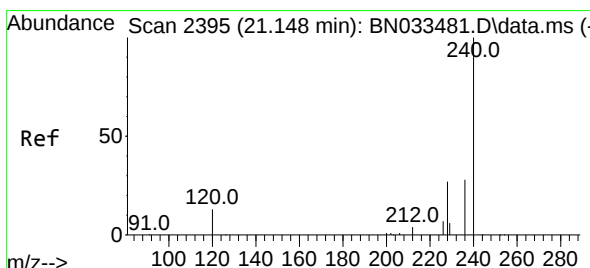
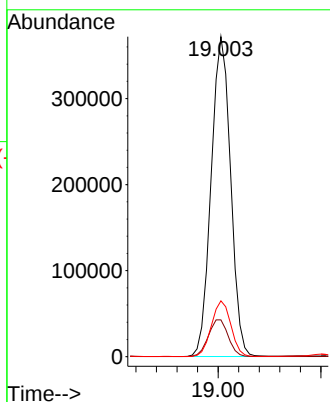
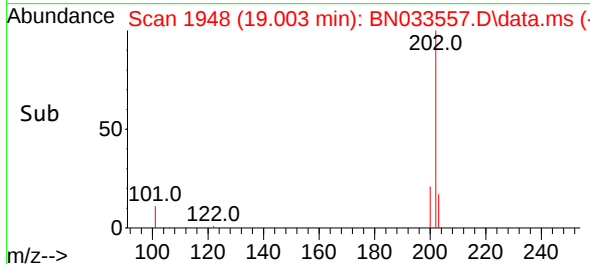
Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624



Tgt Ion:202 Resp: 48955
Ion Ratio Lower Upper
202 100
101 11.7 9.5 14.3
203 17.3 13.8 20.6

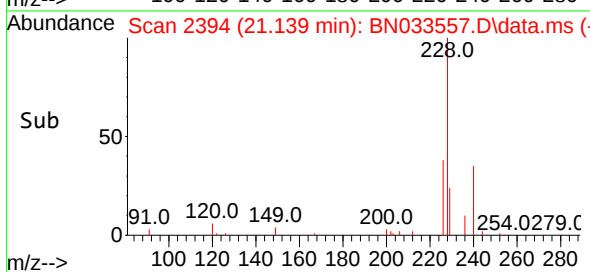
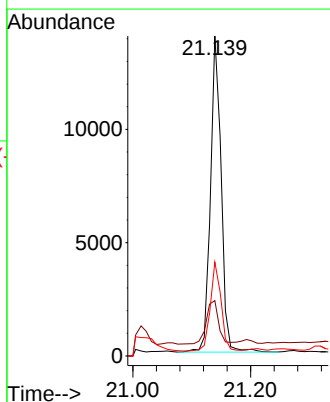
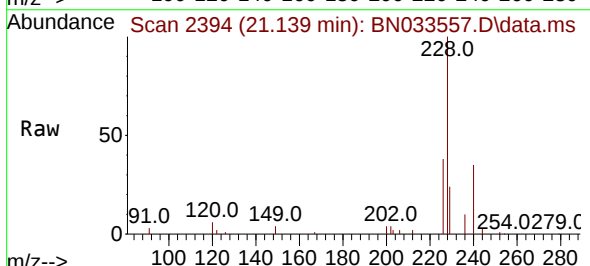
Manual Integrations
APPROVED

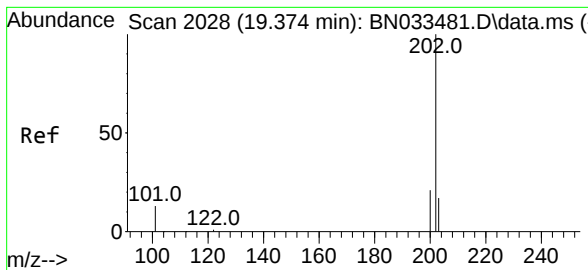
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.009 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

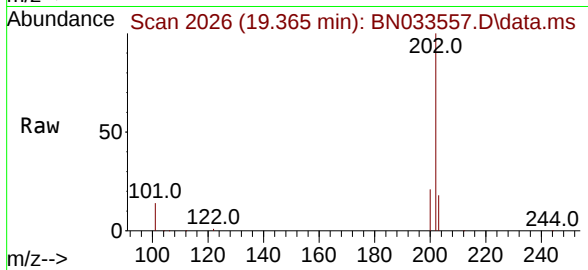
Tgt Ion:240 Resp: 17576
Ion Ratio Lower Upper
240 100
120 17.3 12.4 18.6
236 29.4 23.0 34.6





#30
Pyrene
Concen: 5.338 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.009 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

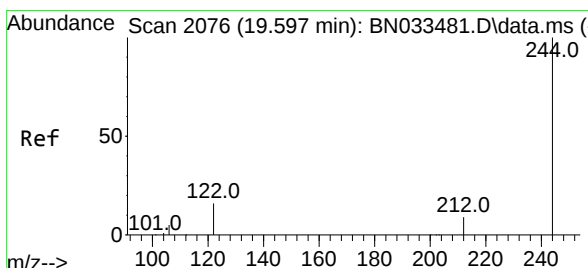
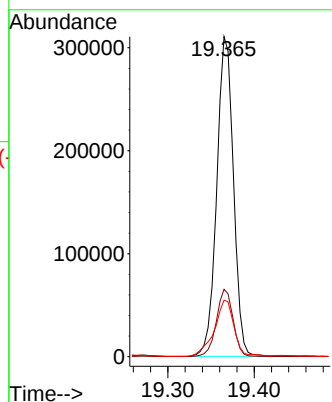
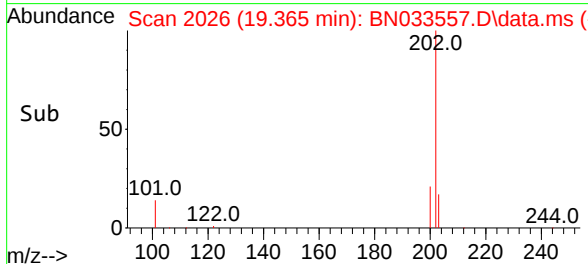
Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624



Tgt Ion:202 Resp: 41876
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 20.7 14.2 21.4

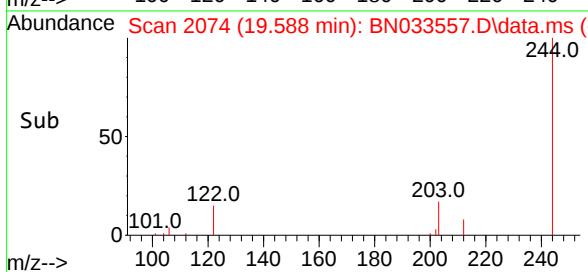
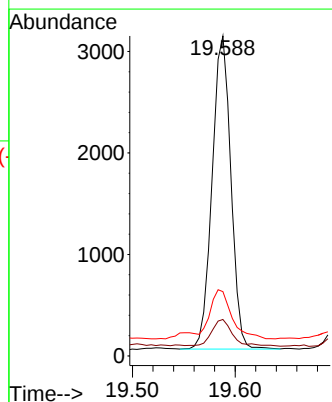
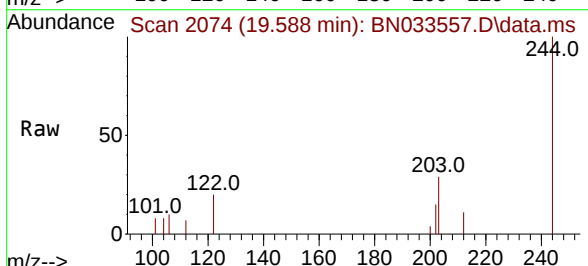
Manual Integrations
APPROVED

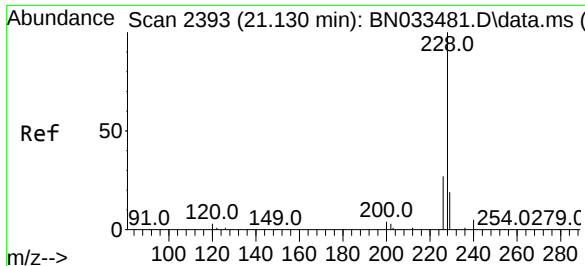
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#31
Terphenyl-d14
Concen: 0.098 ng
RT: 19.588 min Scan# 2074
Delta R.T. -0.009 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

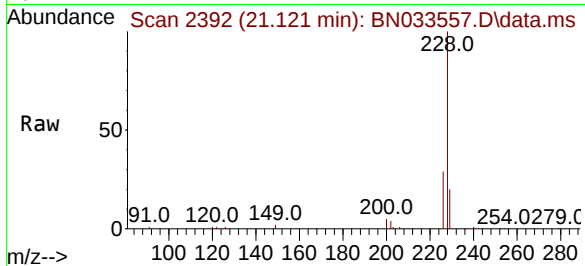
Tgt Ion:244 Resp: 3911
Ion Ratio Lower Upper
244 100
212 11.4 7.8 11.6
122 20.1 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 3.448 ng
RT: 21.121 min Scan# 2112
Delta R.T. -0.009 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

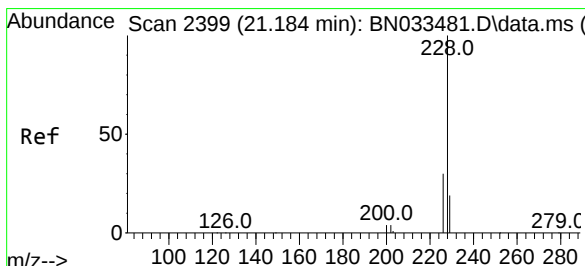
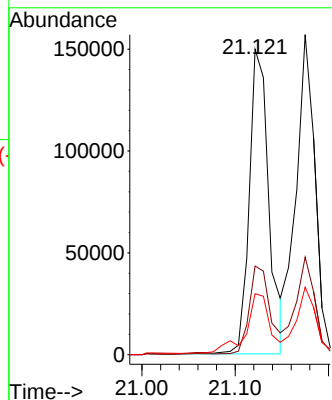
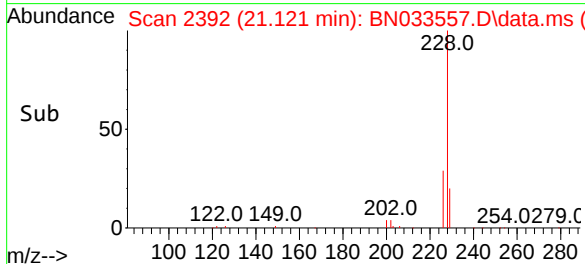
Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624



Tgt Ion:228 Resp: 219129
Ion Ratio Lower Upper
228 100
226 29.0 21.8 32.6
229 19.9 15.8 23.6

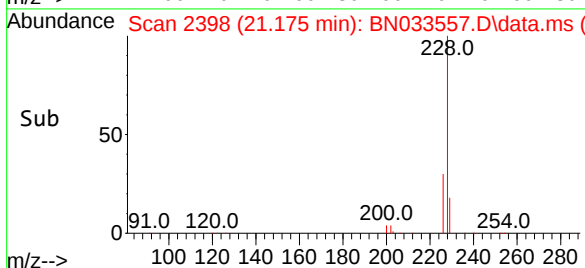
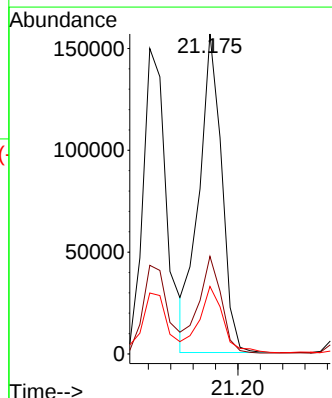
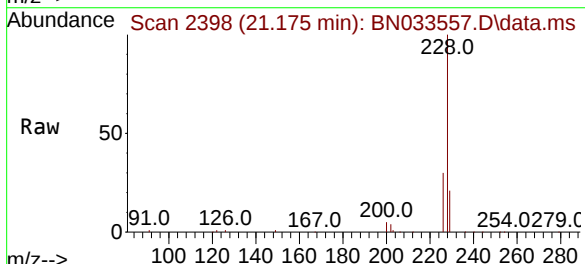
Manual Integrations
APPROVED

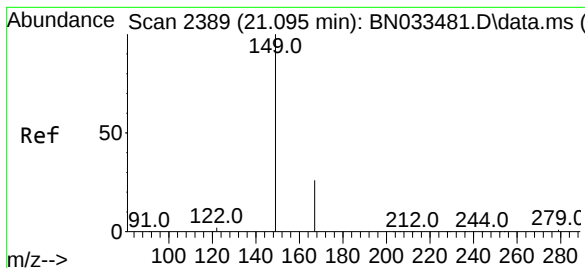
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#33
Chrysene
Concen: 3.490 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.009 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

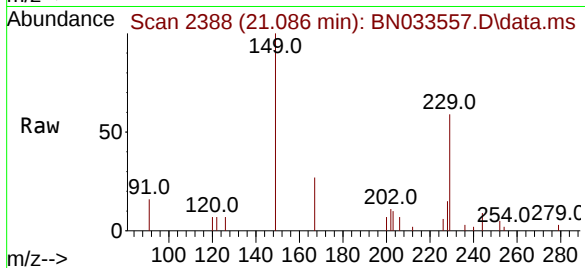
Tgt Ion:228 Resp: 220439
Ion Ratio Lower Upper
228 100
226 30.5 23.8 35.8
229 21.1 15.6 23.4





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.186 ng m
 RT: 21.086 min Scan# 21088
 Delta R.T. -0.009 min
 Lab File: BN033557.D
 Acq: 22 Aug 2024 17:43

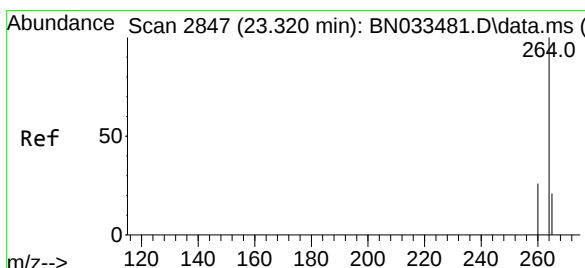
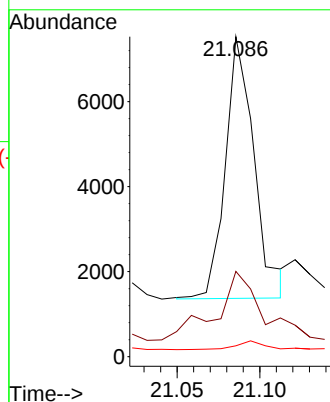
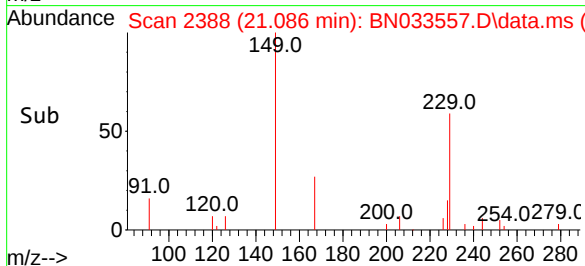
Instrument :
 BNA_N
 ClientSampleId :
 916-J-SD-0-0.5-081624



Tgt Ion:149 Resp: 7460
 Ion Ratio Lower Upper
 149 100
 167 56.5 21.5 32.3
 279 7.0 2.2 3.2

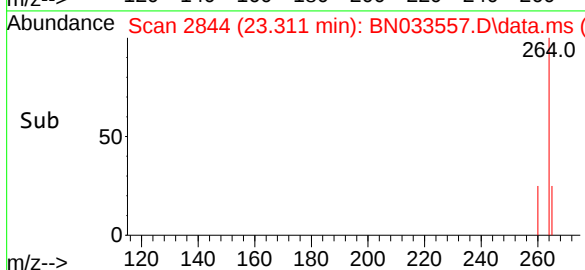
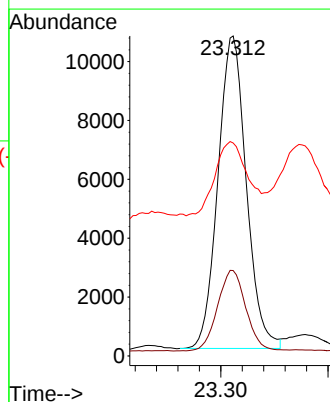
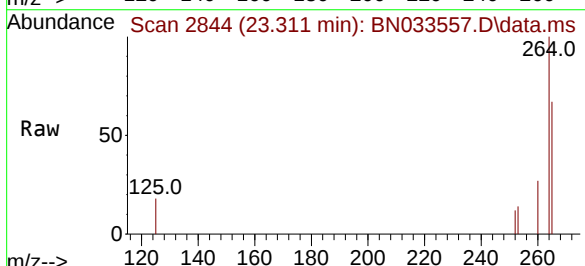
Manual Integrations
 APPROVED

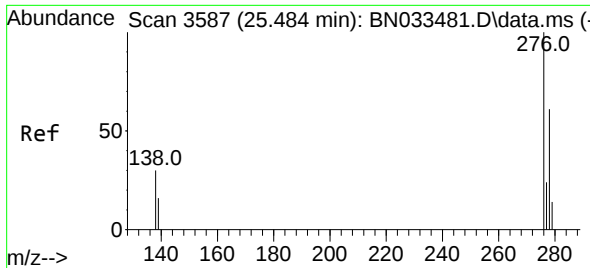
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.311 min Scan# 2844
 Delta R.T. -0.009 min
 Lab File: BN033557.D
 Acq: 22 Aug 2024 17:43

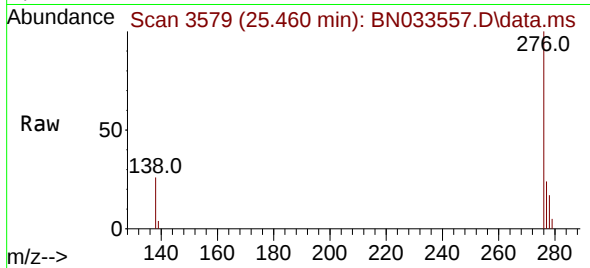
Tgt Ion:264 Resp: 19504
 Ion Ratio Lower Upper
 264 100
 260 26.7 20.8 31.2
 265 66.5 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 2.028 ng
RT: 25.460 min Scan# 31
Delta R.T. -0.024 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

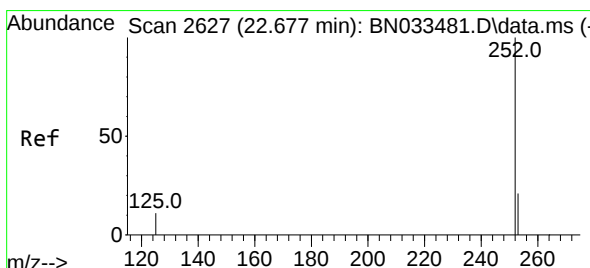
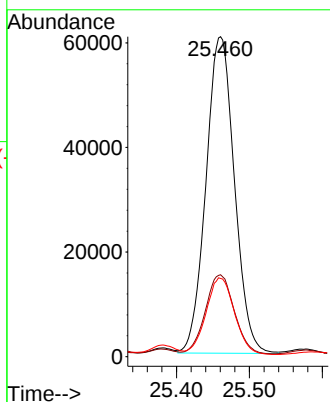
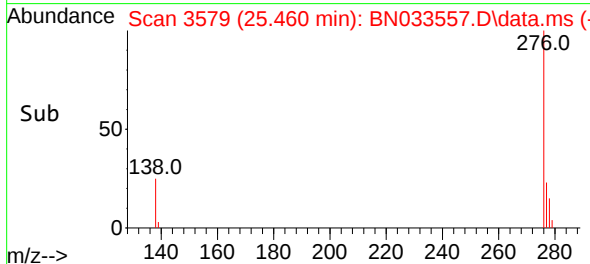
Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624



Tgt Ion:276 Resp: 164240
Ion Ratio Lower Upper
276 100
138 25.2 24.4 36.6
277 24.1 19.8 29.6

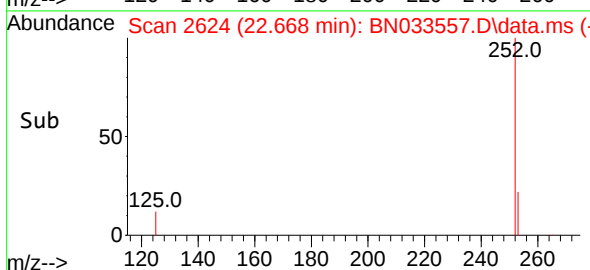
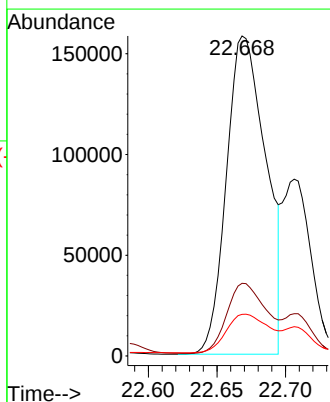
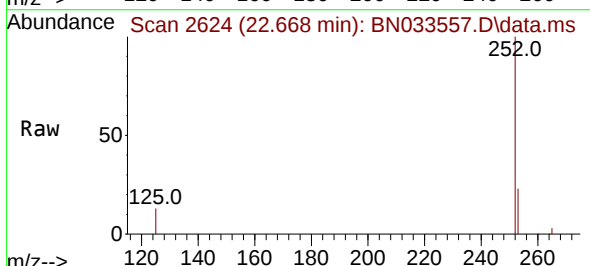
Manual Integrations
APPROVED

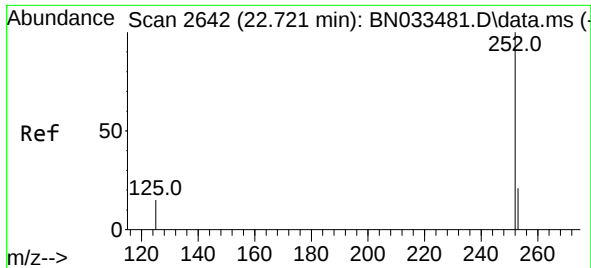
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#37
Benzo(b)fluoranthene
Concen: 4.340 ng
RT: 22.668 min Scan# 2624
Delta R.T. -0.009 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

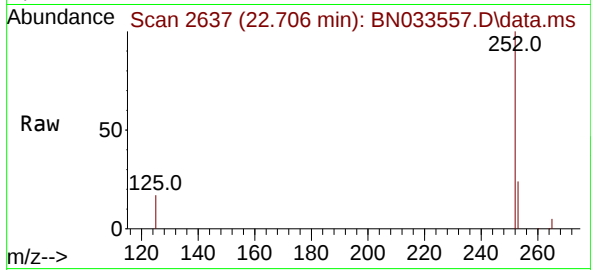
Tgt Ion:252 Resp: 316138
Ion Ratio Lower Upper
252 100
253 22.7 19.8 29.8
125 13.0 13.9 20.9#





#38
Benzo(k)fluoranthene
Concen: 1.803 ng m
RT: 22.706 min Scan# 2642
Delta R.T. -0.015 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

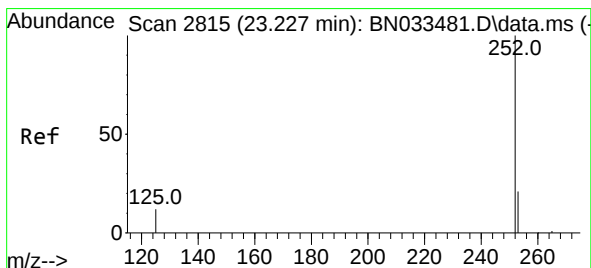
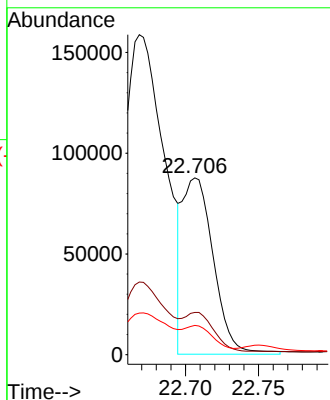
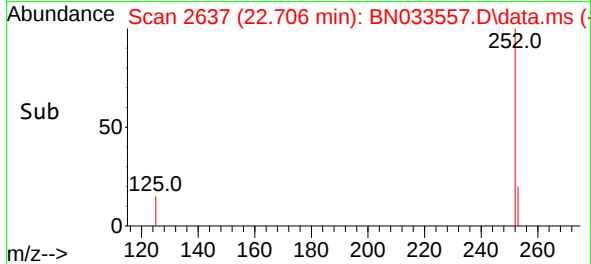
Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624



Tgt Ion:252 Resp: 129288
Ion Ratio Lower Upper
252 100
253 23.9 19.8 29.8
125 16.5 15.8 23.8

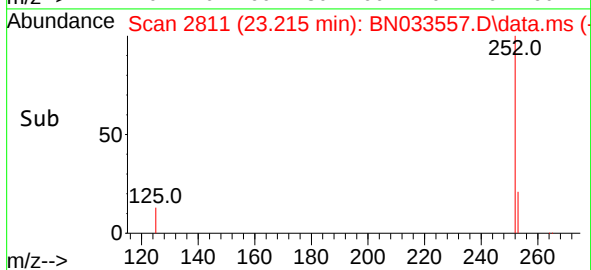
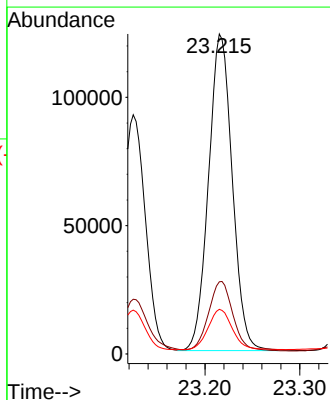
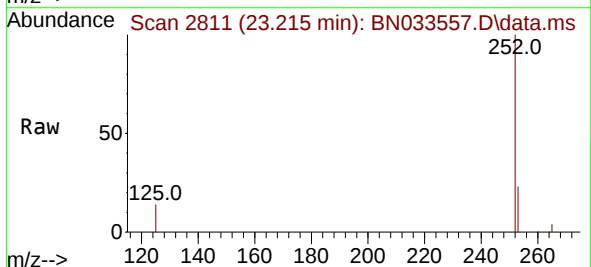
Manual Integrations
APPROVED

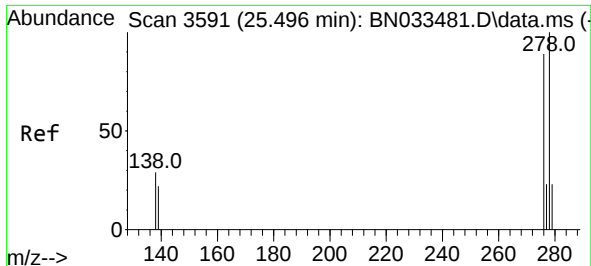
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#39
Benzo(a)pyrene
Concen: 3.562 ng m
RT: 23.215 min Scan# 2811
Delta R.T. -0.012 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

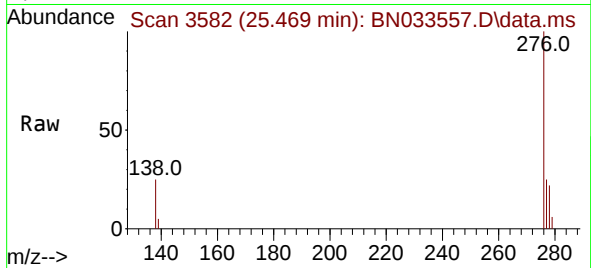
Tgt Ion:252 Resp: 214664
Ion Ratio Lower Upper
252 100
253 22.6 21.5 32.3
125 13.9 17.0 25.4#





#40
Dibenzo(a,h)anthracene
Concen: 0.542 ng
RT: 25.469 min Scan# 3510
Delta R.T. -0.026 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

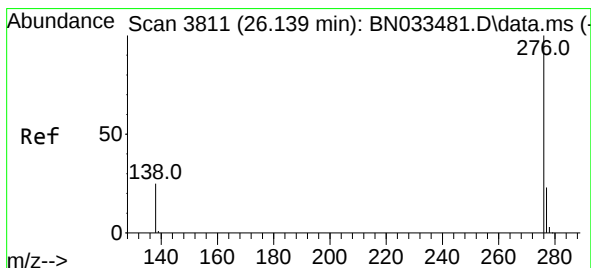
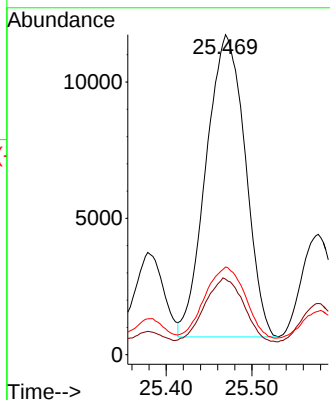
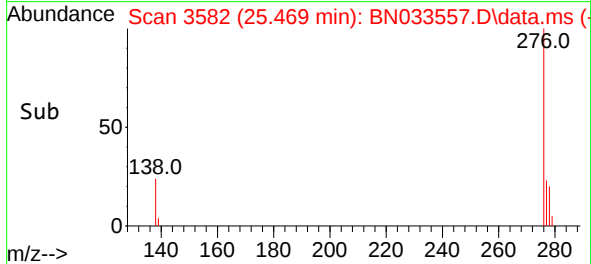
Instrument :
BNA_N
ClientSampleId :
916-J-SD-0-0.5-081624



Tgt Ion:278 Resp: 3510
Ion Ratio Lower Upper
278 100
139 23.6 19.1 28.7
279 27.4 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: 2.323 ng
RT: 26.115 min Scan# 3803
Delta R.T. -0.023 min
Lab File: BN033557.D
Acq: 22 Aug 2024 17:43

Tgt Ion:276 Resp: 160851
Ion Ratio Lower Upper
276 100
277 23.8 19.7 29.5
138 26.1 21.8 32.6

