

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033612.D
 Acq On : 24 Aug 2024 05:21
 Operator : MA/JU
 Sample : P3660-02DL 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-901-J-0.5-1-081624DL

Quant Time: Aug 24 06:04:48 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 :Jagrut Upadhyay 08/26/2024
 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	10383	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	28116	0.400	ng	# 0.00
13) Acenaphthene-d10	14.178	164	13201	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	24117	0.400	ng	0.00
29) Chrysene-d12	21.130	240	19043	0.400	ng	0.00
35) Perylene-d12	23.300	264	21235	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	2591	0.079	ng	0.00
5) Phenol-d6	6.736	99	3331	0.085	ng	0.00
8) Nitrobenzene-d5	8.681	82	2299	0.099	ng	0.00
11) 2-Methylnaphthalene-d10	11.899	152	3441	0.086	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	583	0.082	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	4463	0.083	ng	0.00
27) Fluoranthene-d10	18.970	212	3787	0.065	ng	0.00
31) Terphenyl-d14	19.583	244	2480	0.057	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.346	128	1602	0.021	ng	# 81
16) Acenaphthylene	13.889	152	4073	0.070	ng	99
17) Acenaphthene	14.242	154	2635	0.065	ng	97
18) Fluorene	15.236	166	3240	0.063	ng	# 96
25) Phenanthrene	16.966	178	67399	1.005	ng	99
26) Anthracene	17.053	178	16381	0.276	ng	97
28) Fluoranthene	18.998	202	170085	2.294	ng	99
30) Pyrene	19.365	202	156315	1.839	ng	# 95
32) Benzo(a)anthracene	21.121	228	94233	1.369	ng	97
33) Chrysene	21.166	228	89716	1.311	ng	96
34) Bis(2-ethylhexyl)phtha...	21.077	149	7643m	0.175	ng	
36) Indeno(1,2,3-cd)pyrene	25.446	276	66966	0.760	ng	# 94
37) Benzo(b)fluoranthene	22.657	252	139453	1.759	ng	# 95
38) Benzo(k)fluoranthene	22.698	252	49761m	0.638	ng	
39) Benzo(a)pyrene	23.203	252	99677m	1.519	ng	
40) Dibenzo(a,h)anthracene	25.457	278	16789	0.238	ng	# 91
41) Benzo(g,h,i)perylene	26.101	276	65459	0.868	ng	98

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

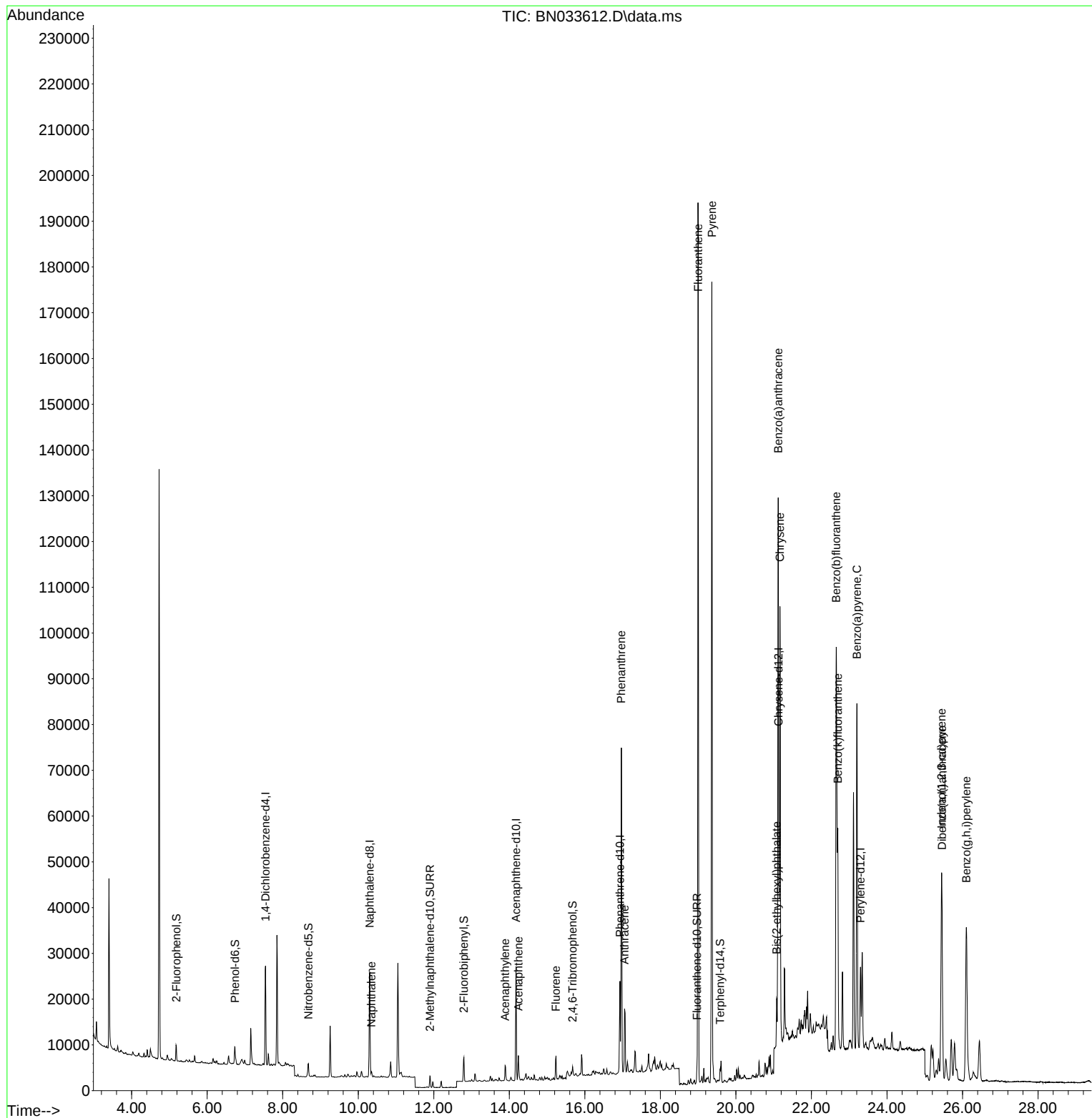
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
Data File : BN033612.D
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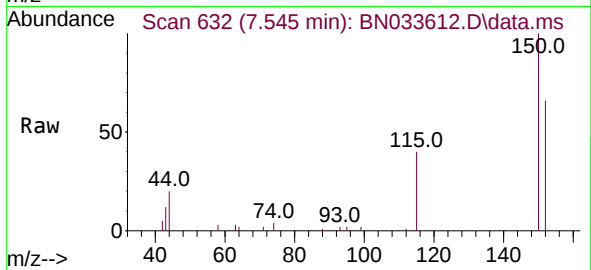
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

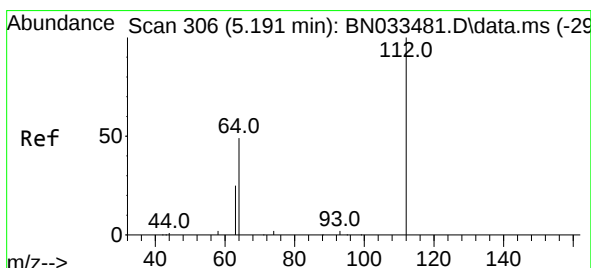
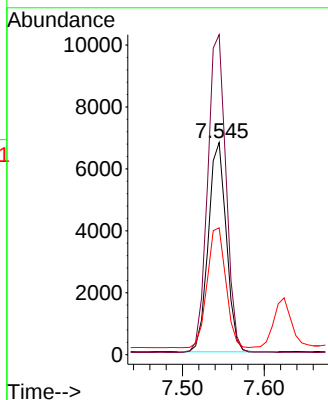
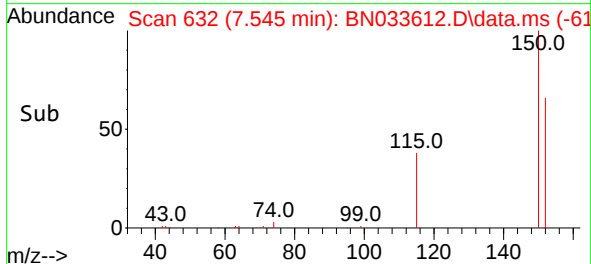
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624DL



Tgt Ion:152 Resp: 1038
Ion Ratio Lower Upper
152 100
150 150.8 122.2 183.2
115 59.8 47.2 70.8

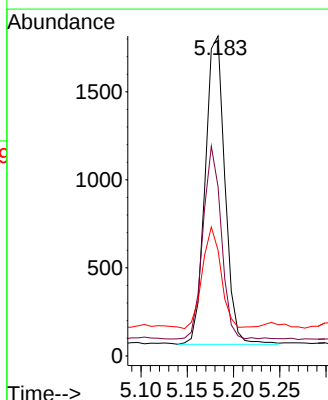
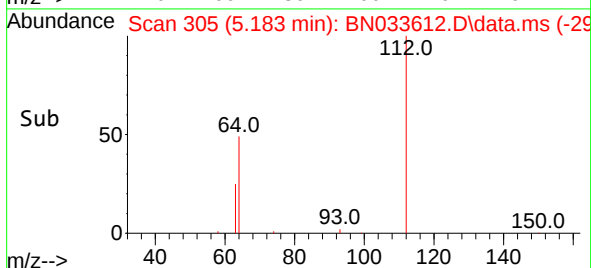
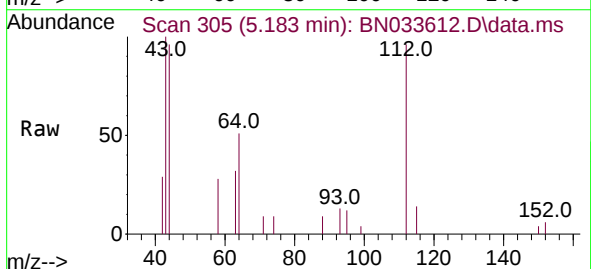
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Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#4
2-Fluorophenol
Concen: 0.079 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

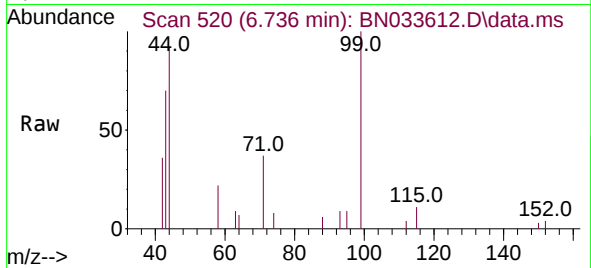
Tgt Ion:112 Resp: 2591
Ion Ratio Lower Upper
112 100
64 57.9 47.1 70.7
63 31.3 24.9 37.3





#5
Phenol-d6
Concen: 0.085 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

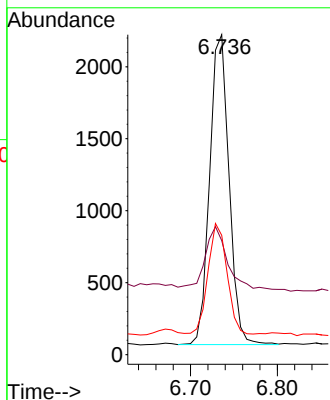
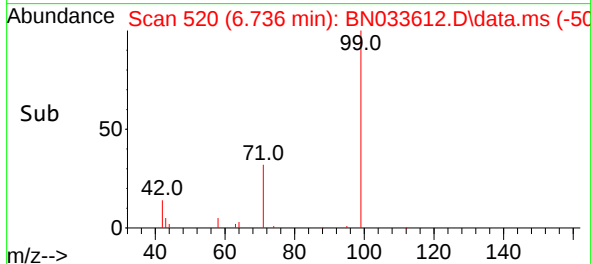
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BNA_N
ClientSampleId :
S-901-J-0.5-1-081624DL



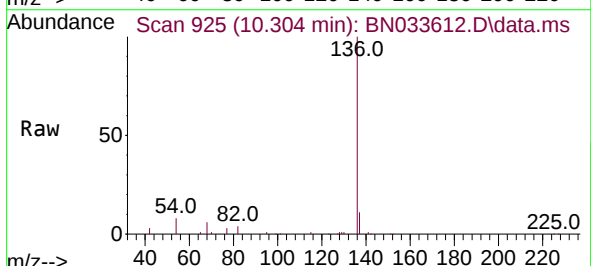
Tgt Ion: 99 Resp: 333
Ion Ratio Lower Upper
99 100
42 23.1 16.6 24.8
71 35.2 26.2 39.4

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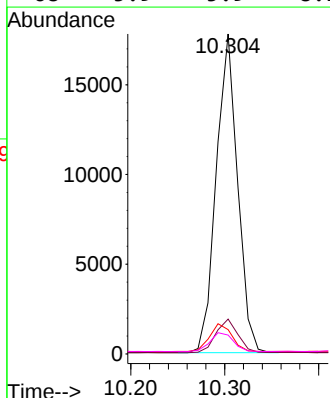
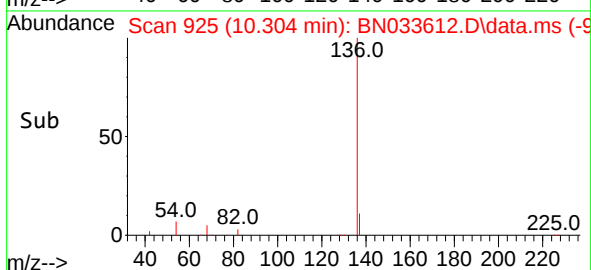
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21



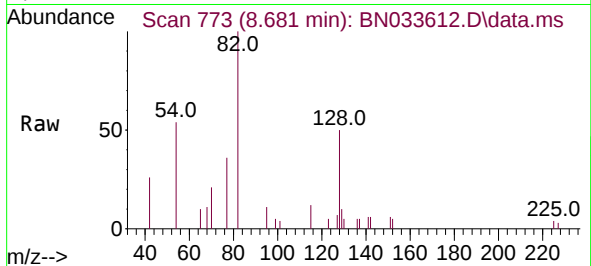
Tgt Ion:136 Resp: 28116
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 7.6 8.3 12.5#
68 5.9 5.9 8.9#





#8
Nitrobenzene-d5
Concen: 0.099 ng
RT: 8.681 min Scan# 711
Delta R.T. -0.000 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

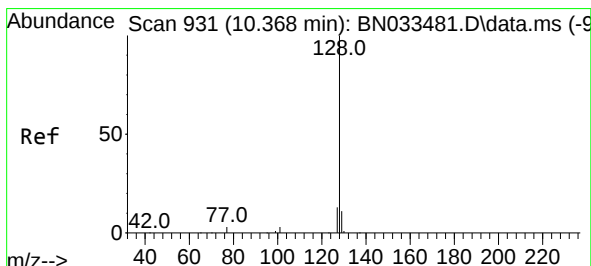
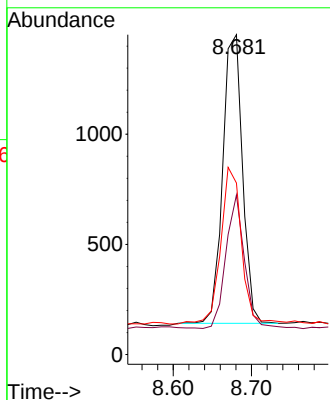
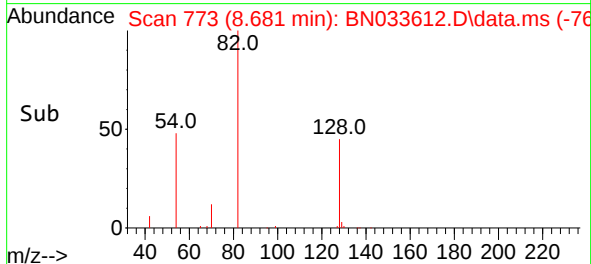
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624DL



Tgt Ion: 82 Resp: 2299
Ion Ratio Lower Upper
82 100
128 49.9 36.0 54.0
54 53.7 42.0 63.0

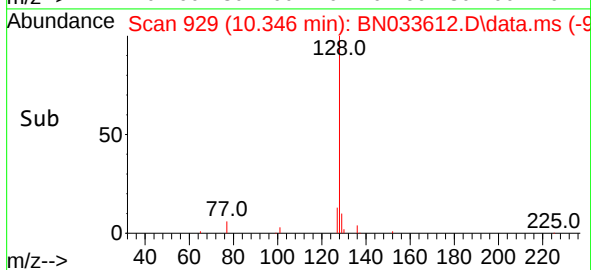
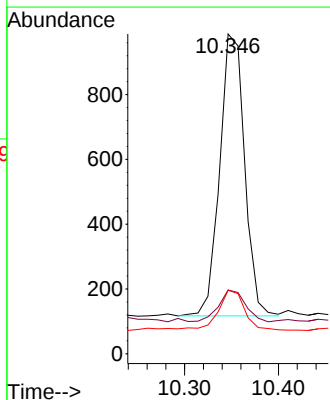
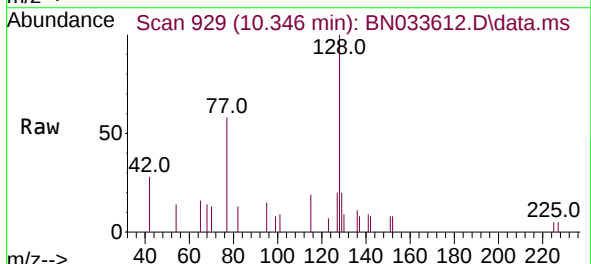
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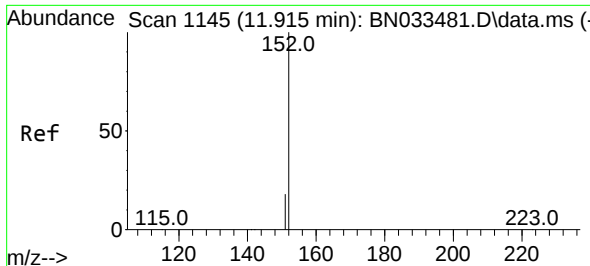
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#9
Naphthalene
Concen: 0.021 ng
RT: 10.346 min Scan# 929
Delta R.T. -0.011 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

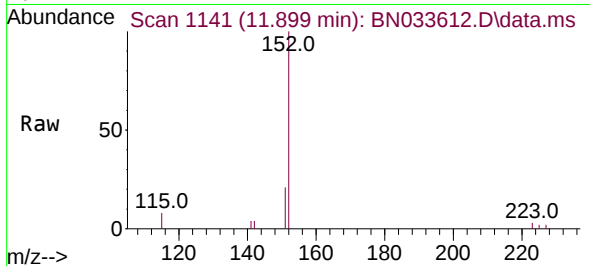
Tgt Ion:128 Resp: 1602
Ion Ratio Lower Upper
128 100
129 20.0 9.1 13.7#
127 19.9 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.086 ng
RT: 11.899 min Scan# 1141
Delta R.T. -0.004 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

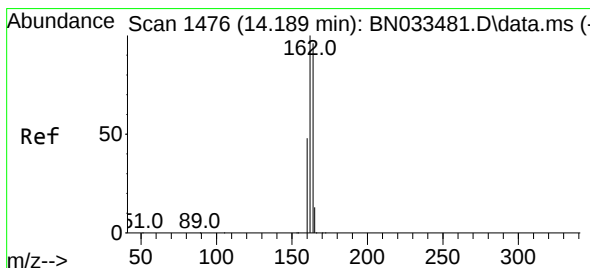
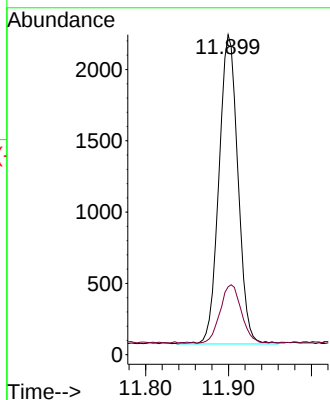
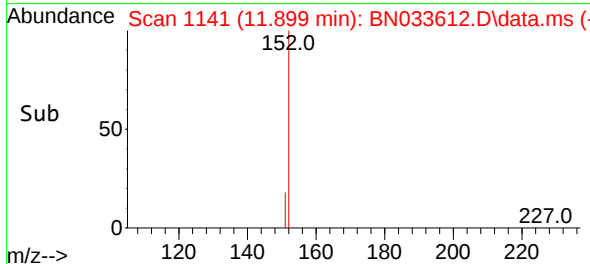
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624DL



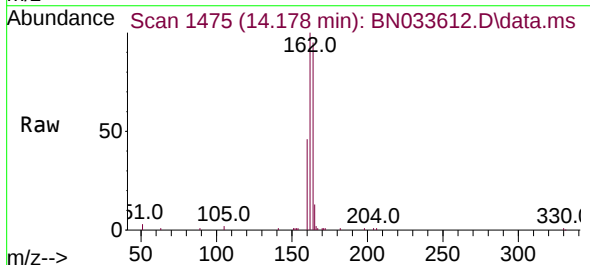
Tgt Ion:152 Resp: 344
Ion Ratio Lower Upper
152 100
151 21.0 16.6 25.0

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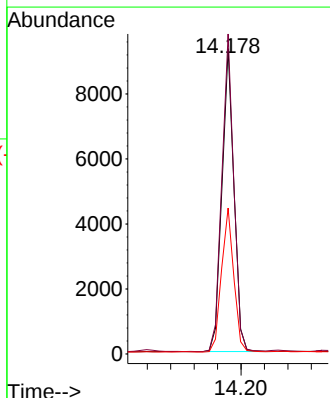
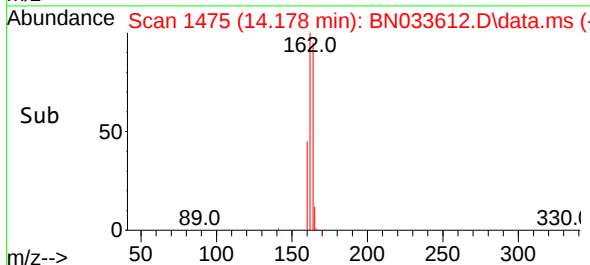
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024

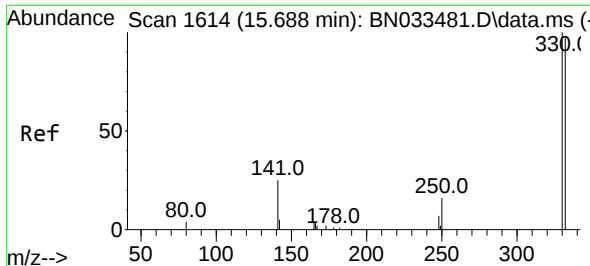


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21



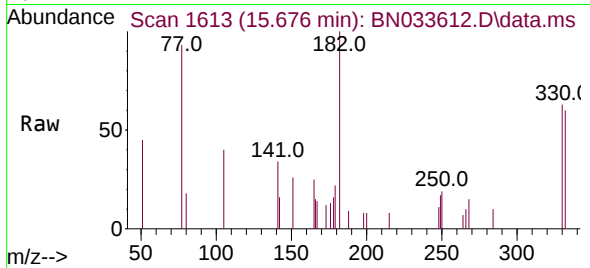
Tgt Ion:164 Resp: 13201
Ion Ratio Lower Upper
164 100
162 104.8 83.5 125.3
160 47.8 40.2 60.4





#14
2,4,6-Tribromophenol
Concen: 0.082 ng
RT: 15.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

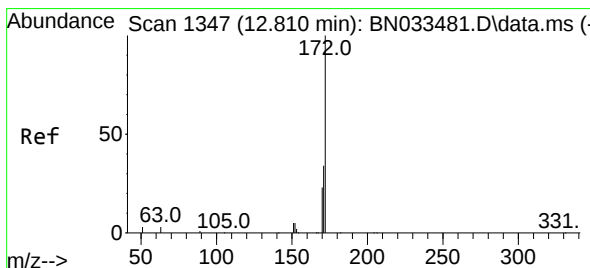
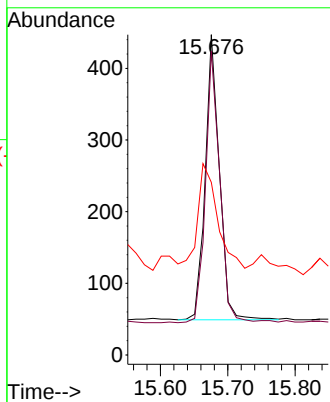
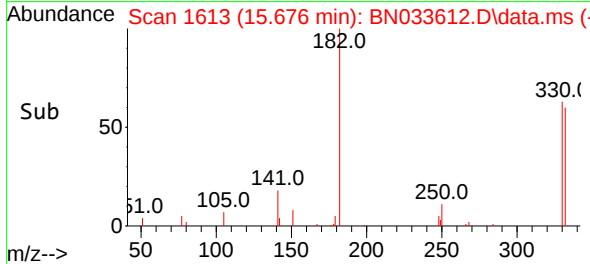
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S-901-J-0.5-1-081624DL



Tgt Ion:330 Resp: 58
Ion Ratio Lower Upper
330 100
332 96.6 77.5 116.3
141 50.3 33.9 50.9

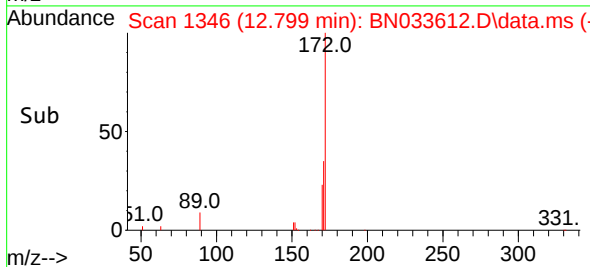
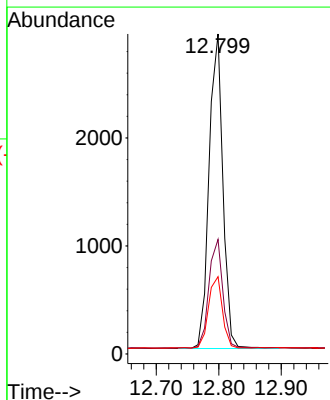
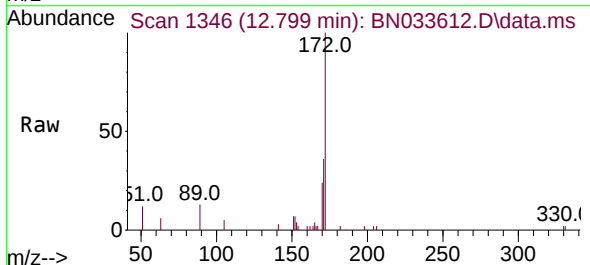
Manual Integrations
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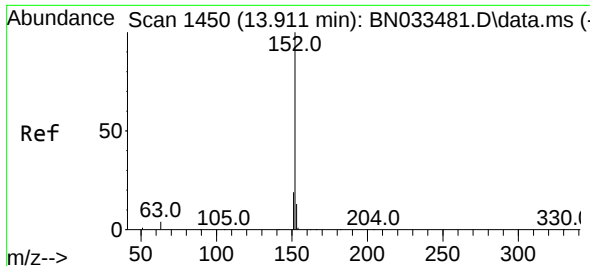
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#15
2-Fluorobiphenyl
Concen: 0.083 ng
RT: 12.799 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

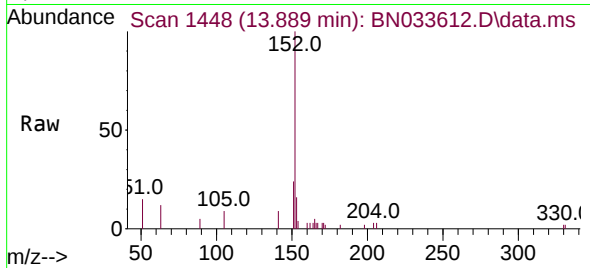
Tgt Ion:172 Resp: 4463
Ion Ratio Lower Upper
172 100
171 35.8 27.7 41.5
170 24.2 18.3 27.5





#16
Acenaphthylene
Concen: 0.070 ng
RT: 13.889 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

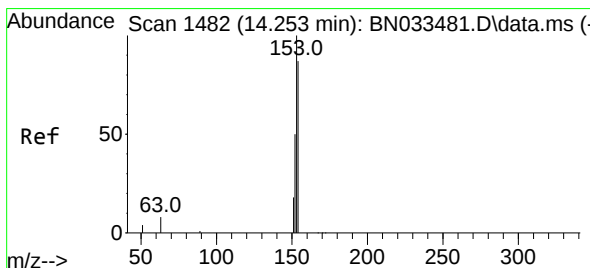
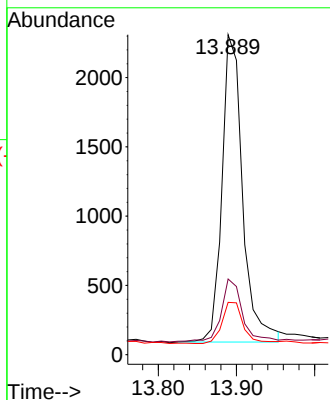
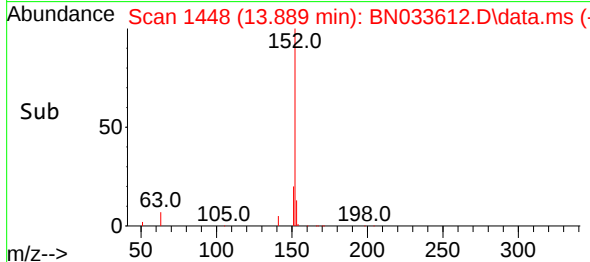
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Tgt Ion:152 Resp: 407
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 13.7 10.3 15.5

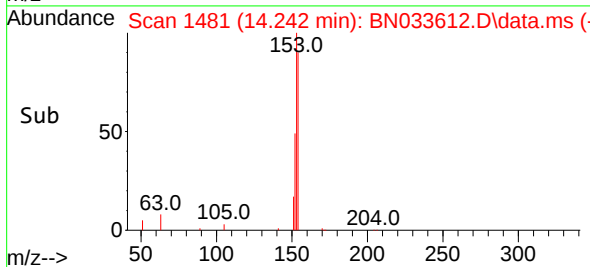
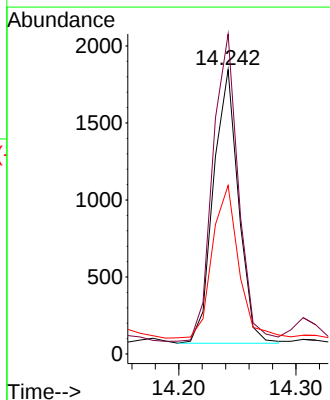
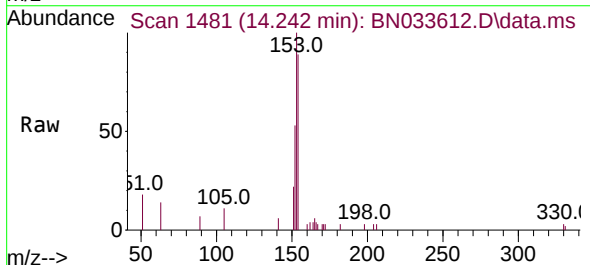
Manual Integrations
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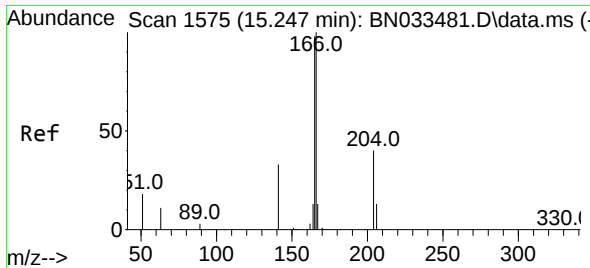
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#17
Acenaphthene
Concen: 0.065 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

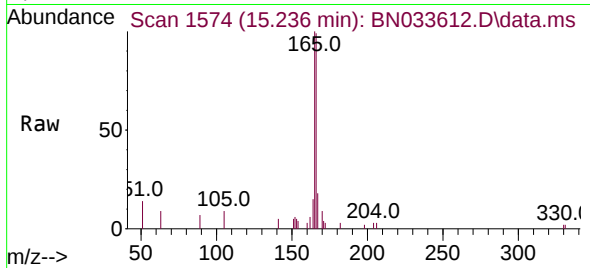
Tgt Ion:154 Resp: 2635
Ion Ratio Lower Upper
154 100
153 114.7 89.0 133.6
152 58.4 45.2 67.8





#18
Fluorene
Concen: 0.063 ng
RT: 15.236 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

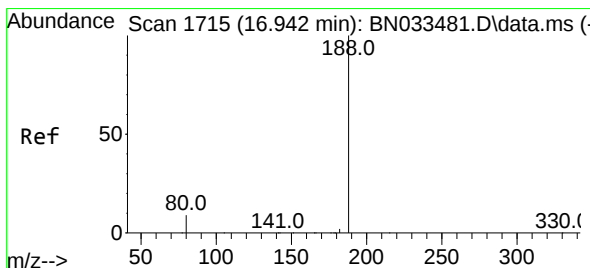
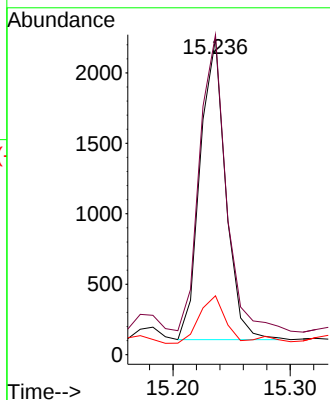
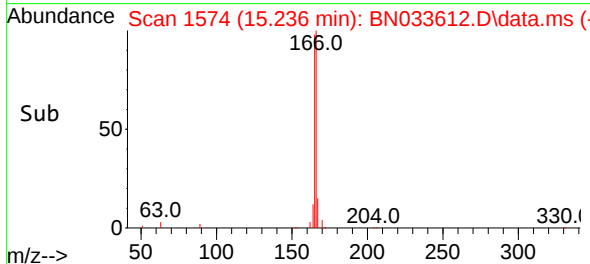
Instrument :
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Tgt Ion:166 Resp: 3240
Ion Ratio Lower Upper
166 100
165 100.9 78.2 117.4
167 16.4 10.6 16.0

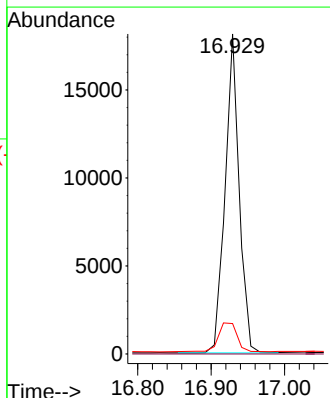
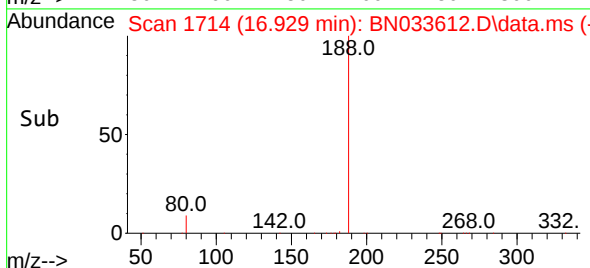
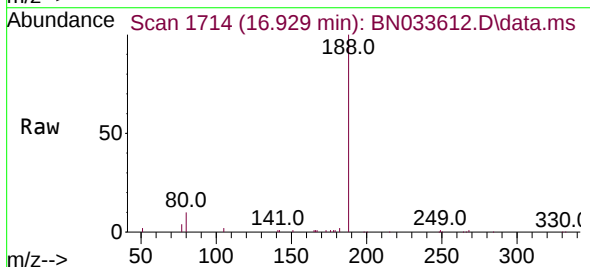
Manual Integrations
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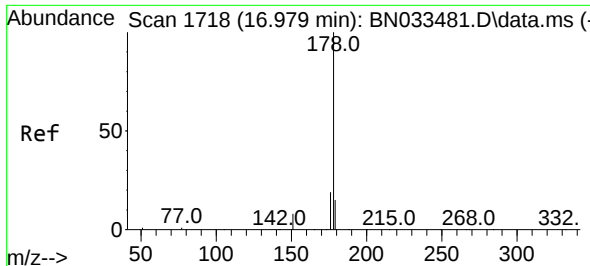
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

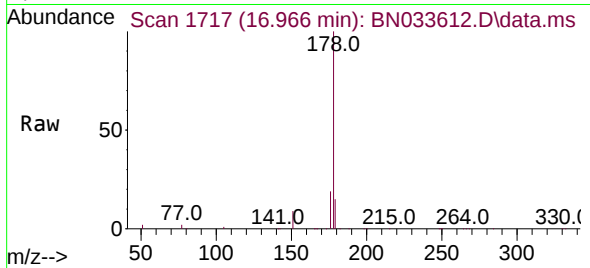
Tgt Ion:188 Resp: 24117
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.5 7.8 11.8





#25
Phenanthrene
Concen: 1.005 ng
RT: 16.966 min Scan# 1718
Delta R.T. -0.000 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

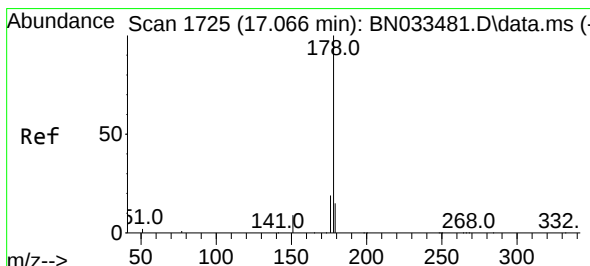
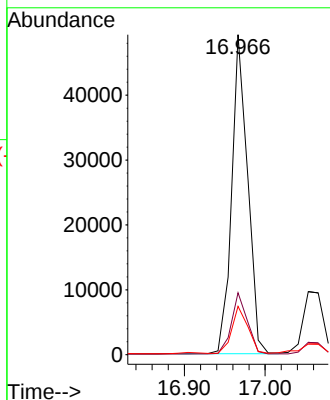
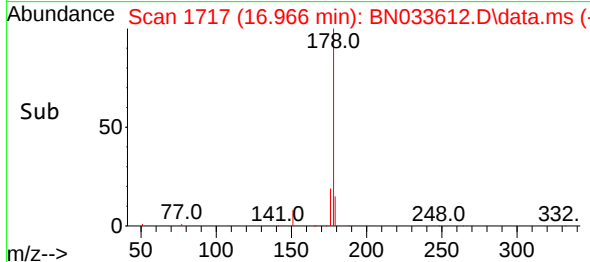
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624DL



Tgt Ion:178 Resp: 67399
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 14.9 12.3 18.5

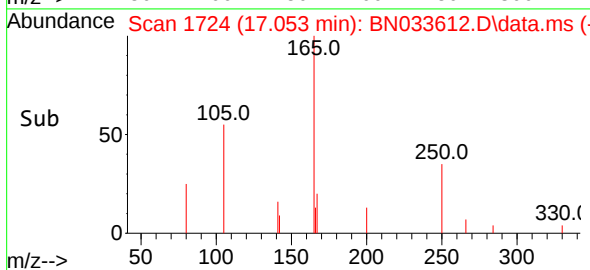
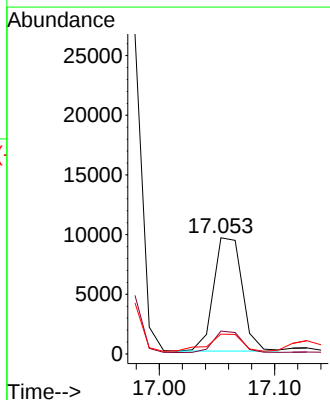
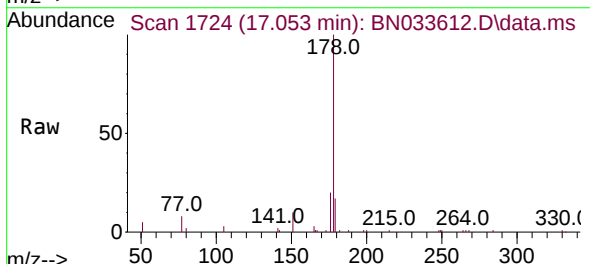
Manual Integrations
APPROVED

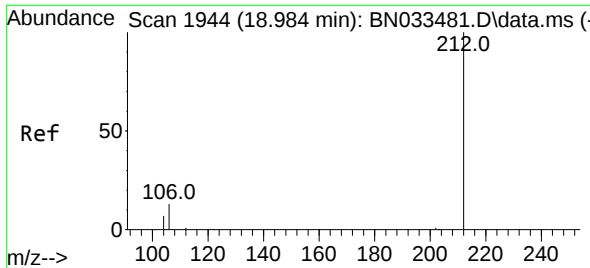
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#26
Anthracene
Concen: 0.276 ng
RT: 17.053 min Scan# 1724
Delta R.T. -0.013 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

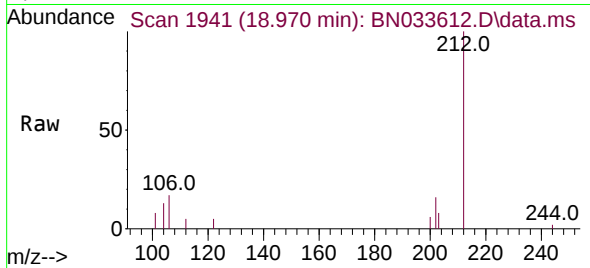
Tgt Ion:178 Resp: 16381
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.6
179 17.8 12.4 18.6





#27
Fluoranthene-d10
Concen: 0.065 ng
RT: 18.970 min Scan# 1941
Delta R.T. -0.000 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

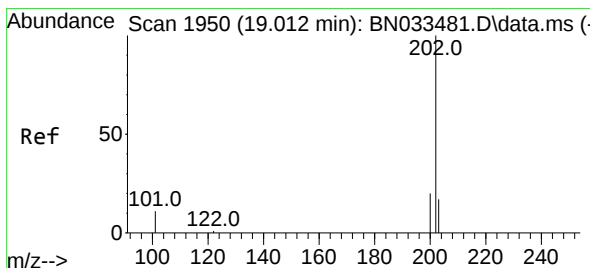
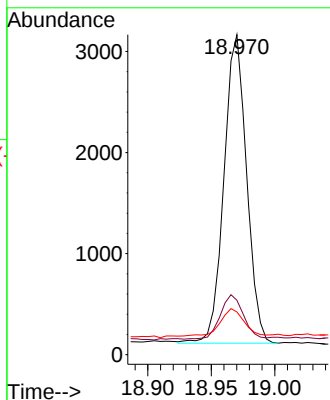
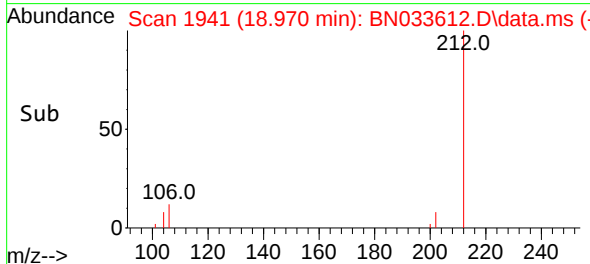
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624DL



Tgt Ion:212 Resp: 378
Ion Ratio Lower Upper
212 100
106 14.8 12.3 18.5
104 11.3 7.0 10.4

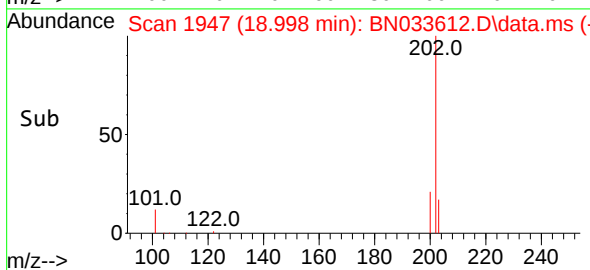
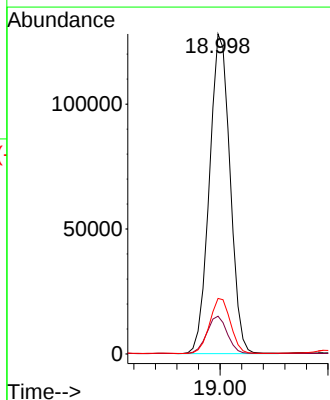
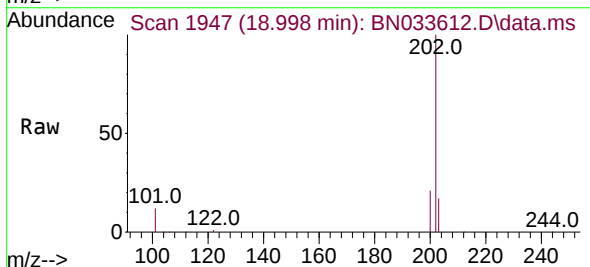
Manual Integrations
APPROVED

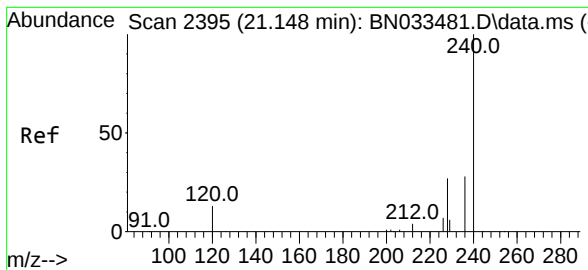
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#28
Fluoranthene
Concen: 2.294 ng
RT: 18.998 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

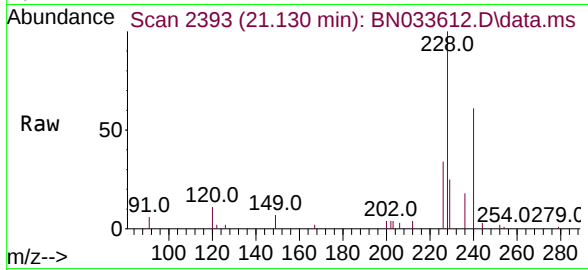
Tgt Ion:202 Resp: 170085
Ion Ratio Lower Upper
202 100
101 11.5 9.5 14.3
203 17.3 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.130 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

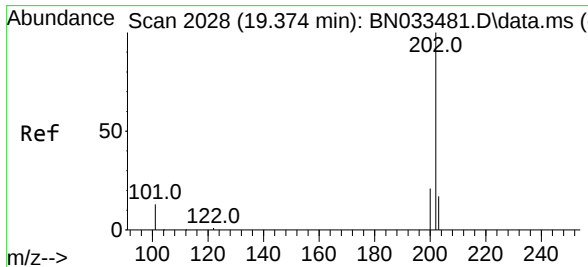
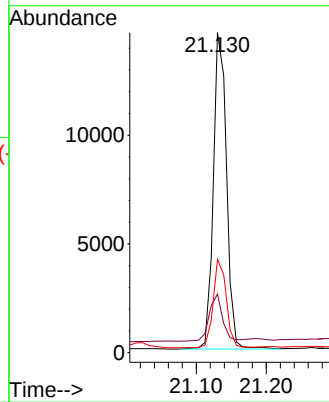
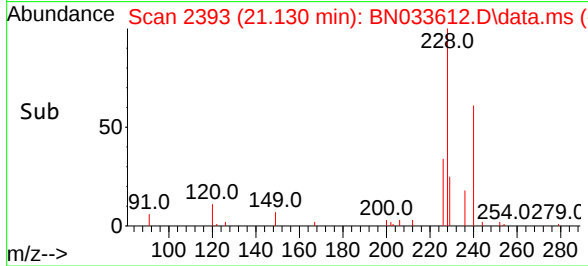
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624DL



Tgt Ion:240 Resp: 1904
Ion Ratio Lower Upper
240 100
120 18.3 12.4 18.6
236 29.1 23.0 34.6

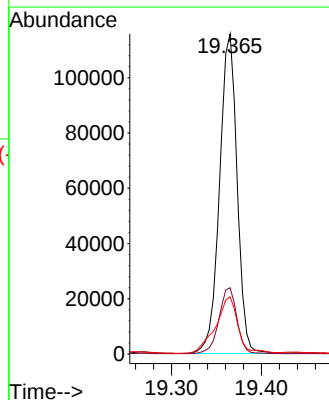
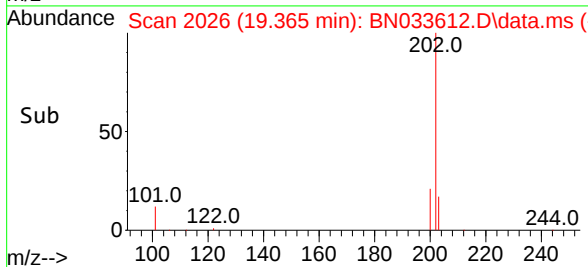
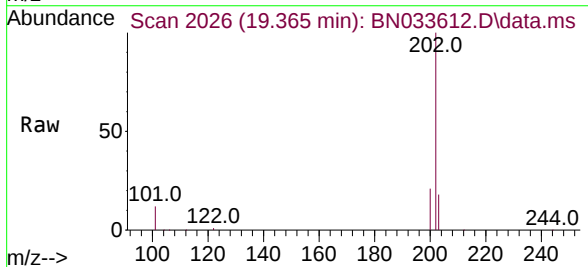
Manual Integrations
APPROVED

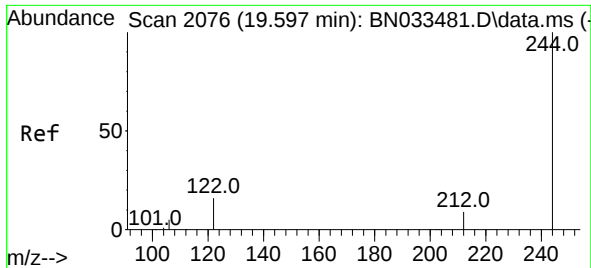
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#30
Pyrene
Concen: 1.839 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

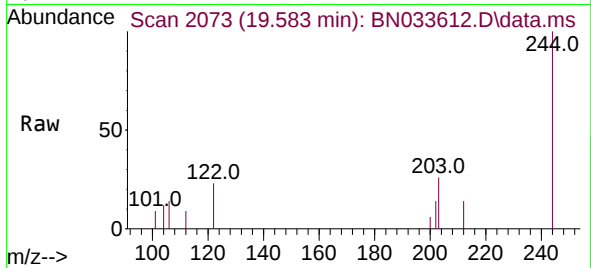
Tgt Ion:202 Resp: 156315
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 22.3 14.2 21.4#





#31
Terphenyl-d14
Concen: 0.057 ng
RT: 19.583 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

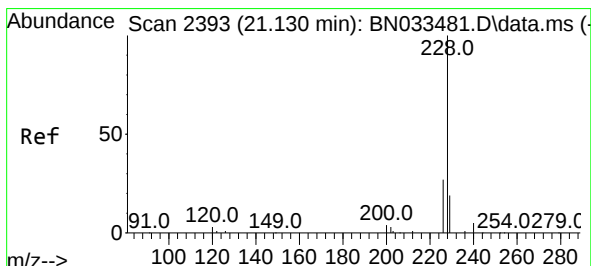
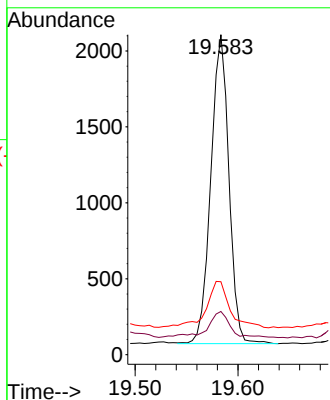
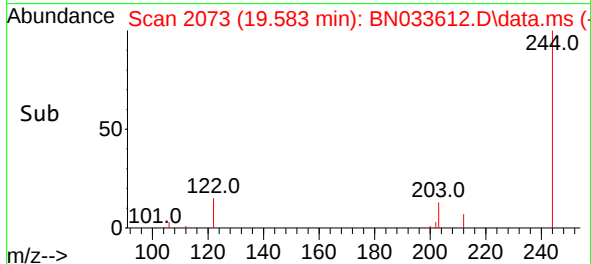
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624DL



Tgt Ion:244 Resp: 2480
Ion Ratio Lower Upper
244 100
212 13.5 7.8 11.6
122 22.8 13.3 19.9

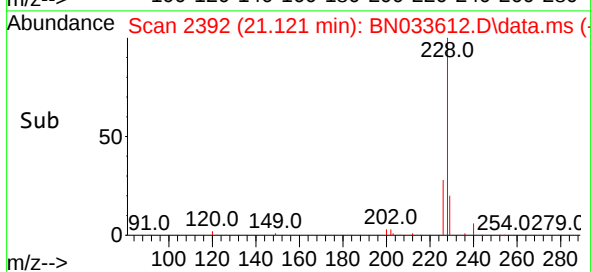
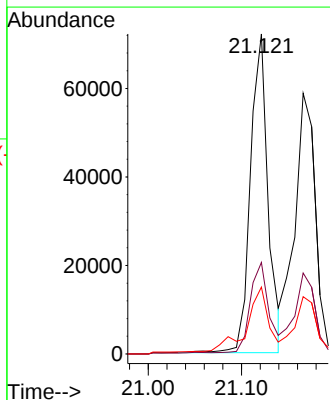
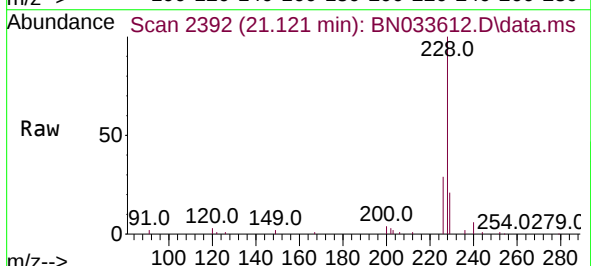
Manual Integrations
APPROVED

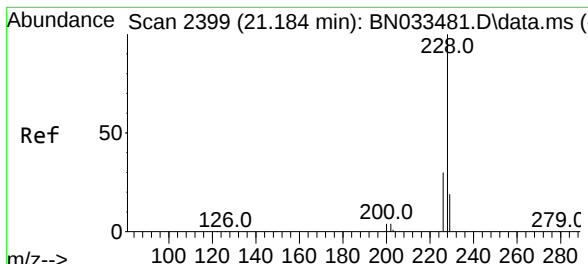
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#32
Benzo(a)anthracene
Concen: 1.369 ng
RT: 21.121 min Scan# 2392
Delta R.T. -0.000 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

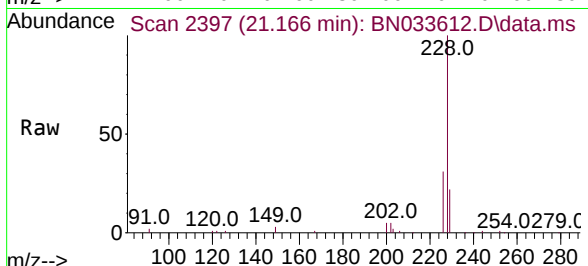
Tgt Ion:228 Resp: 94233
Ion Ratio Lower Upper
228 100
226 28.6 21.8 32.6
229 20.9 15.8 23.6





#33
Chrysene
Concen: 1.311 ng
RT: 21.166 min Scan# 2116
Delta R.T. -0.009 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

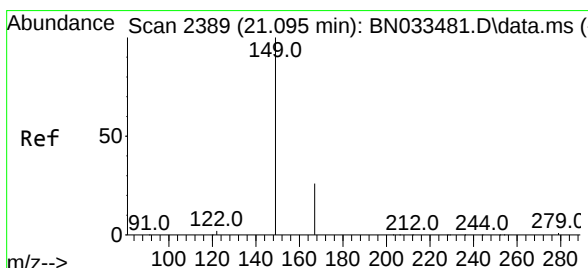
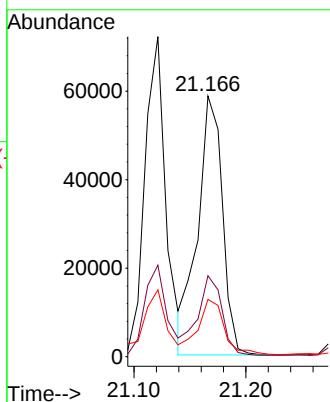
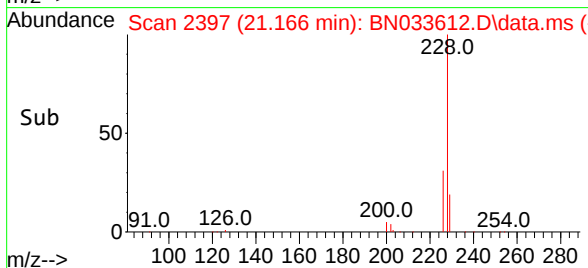
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624DL



Tgt Ion:228 Resp: 89710
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.8
229 22.0 15.6 23.4

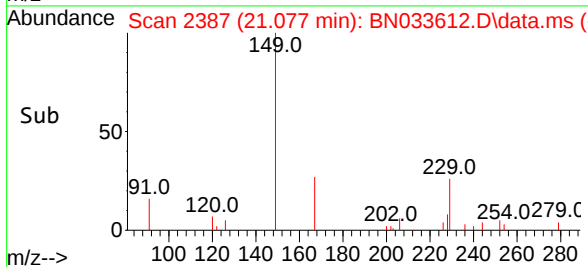
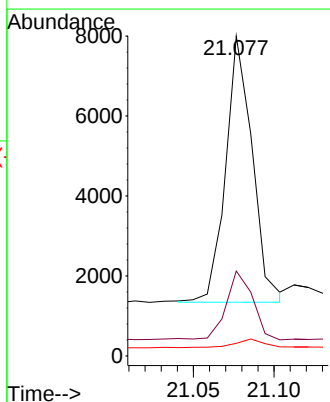
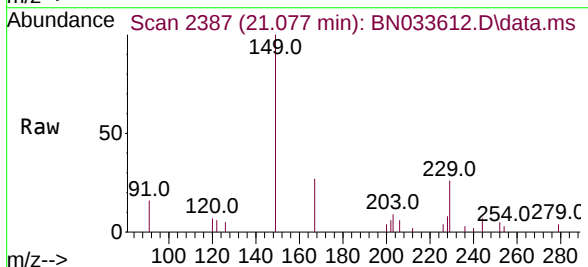
Manual Integrations
APPROVED

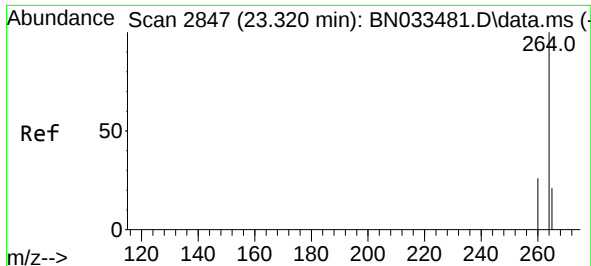
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.175 ng m
RT: 21.077 min Scan# 2387
Delta R.T. -0.009 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

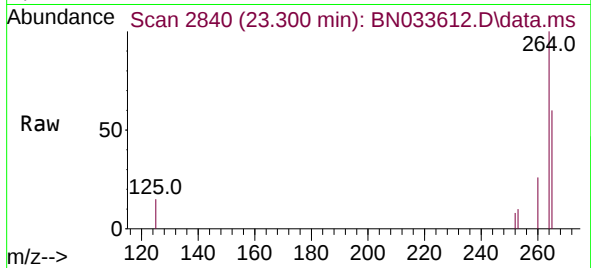
Tgt Ion:149 Resp: 7643
Ion Ratio Lower Upper
149 100
167 62.0 21.5 32.3#
279 24.2 2.2 3.2#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.300 min Scan# 21235
Delta R.T. -0.003 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

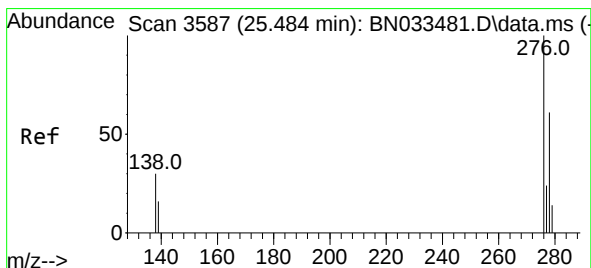
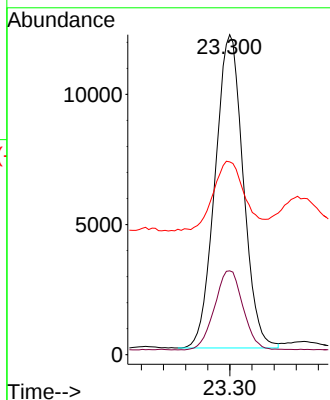
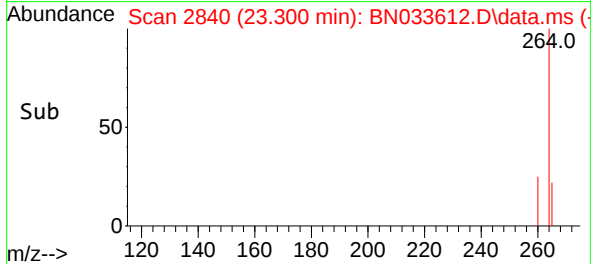
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624DL



Tgt Ion:264 Resp: 21235
Ion Ratio Lower Upper
264 100
260 26.2 20.8 31.2
265 60.2 52.2 78.2

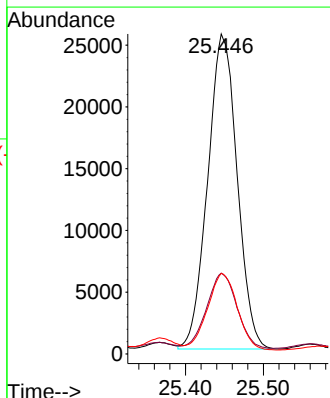
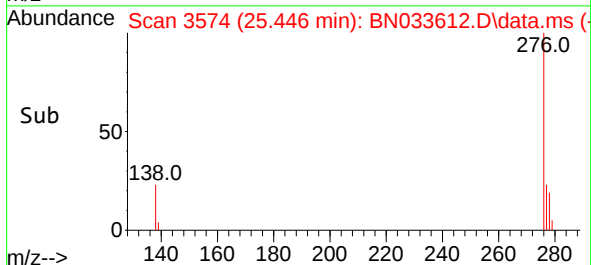
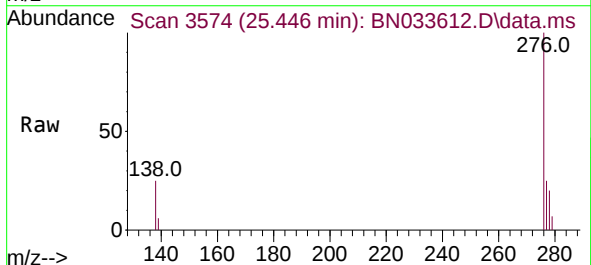
Manual Integrations
APPROVED

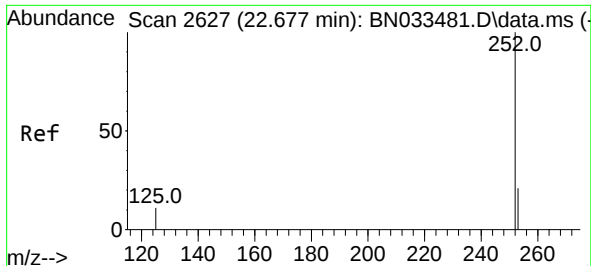
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.760 ng
RT: 25.446 min Scan# 3574
Delta R.T. -0.003 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

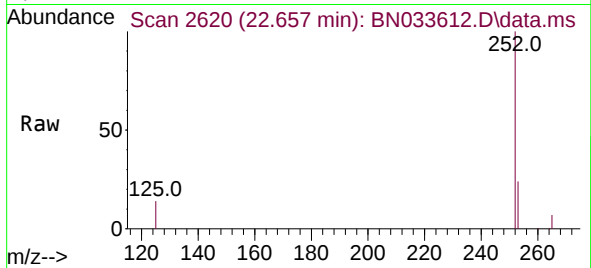
Tgt Ion:276 Resp: 66966
Ion Ratio Lower Upper
276 100
138 24.4 24.4 36.6#
277 24.7 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 1.759 ng
RT: 22.657 min Scan# 2620
Delta R.T. -0.003 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

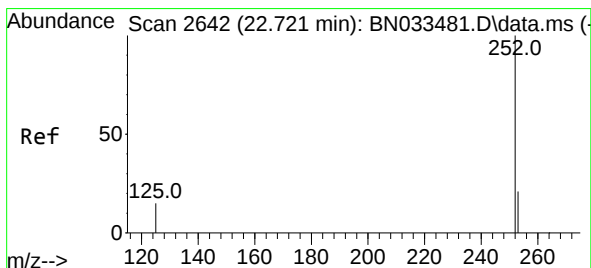
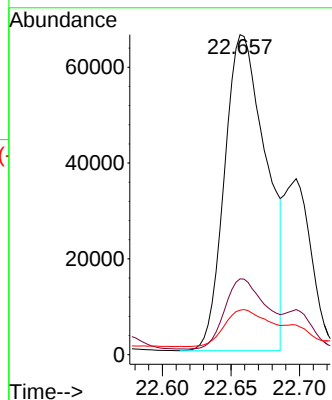
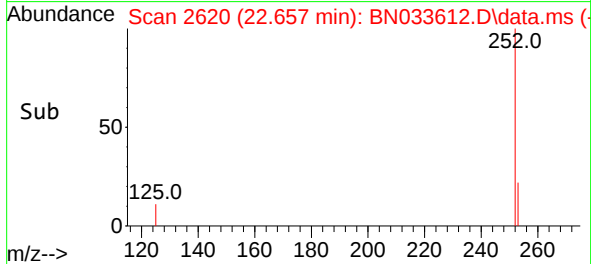
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624DL



Tgt Ion:252 Resp: 13945
Ion Ratio Lower Upper
252 100
253 23.7 19.8 29.8
125 13.9 13.9 20.9

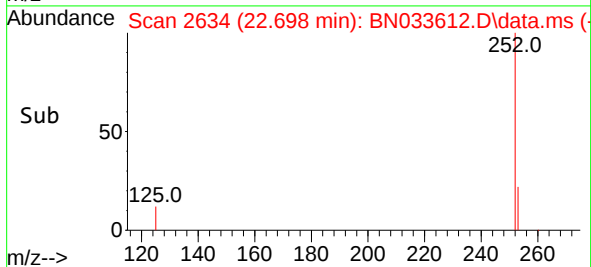
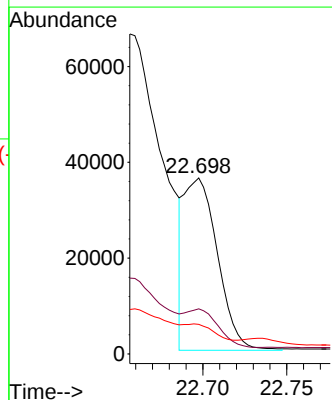
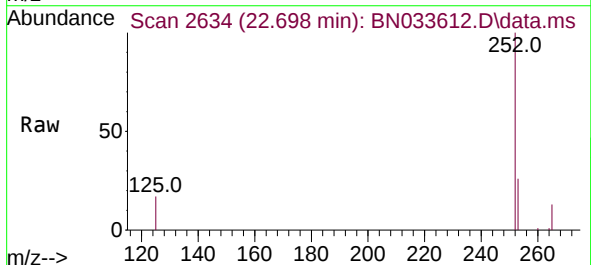
Manual Integrations
APPROVED

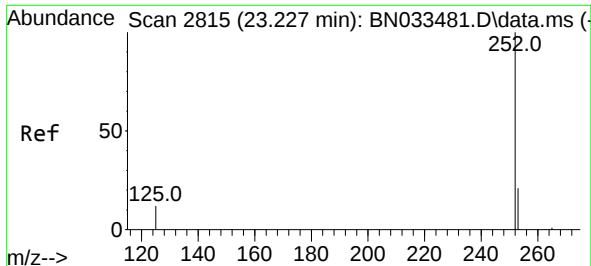
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#38
Benzo(k)fluoranthene
Concen: 0.638 ng m
RT: 22.698 min Scan# 2634
Delta R.T. -0.006 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

Tgt Ion:252 Resp: 49761
Ion Ratio Lower Upper
252 100
253 25.7 19.8 29.8
125 16.8 15.8 23.8





#39

Benzo(a)pyrene

Concen: 1.519 ng m

RT: 23.203 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN033612.D

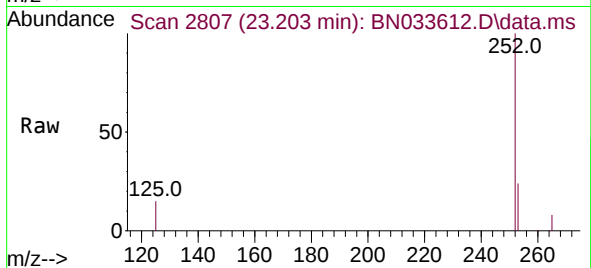
Acq: 24 Aug 2024 05:21

Instrument :

BNA_N

ClientSampleId :

S-901-J-0.5-1-081624DL

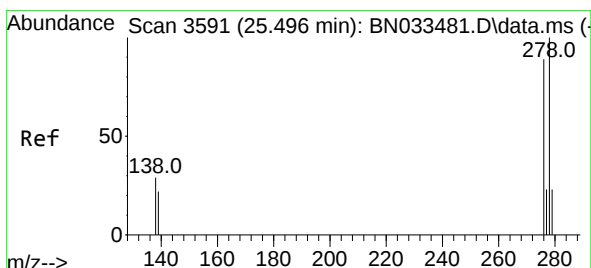
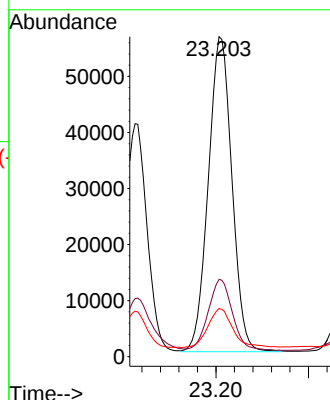
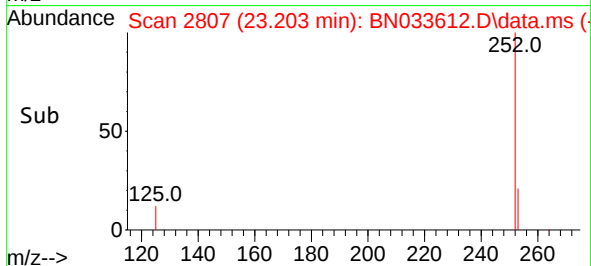


Tgt Ion:	252	Resp:	9967
Ion Ratio	Lower	Upper	
252	100		
253	24.2	21.5	32.3
125	15.1	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.238 ng

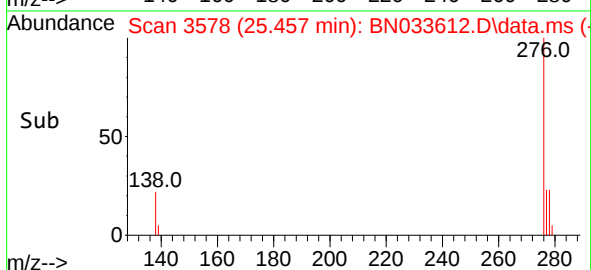
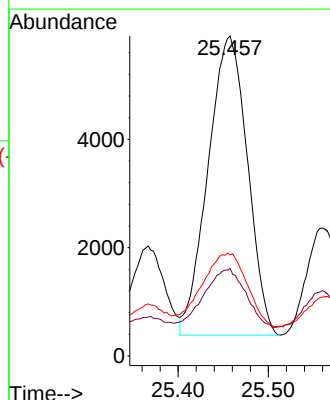
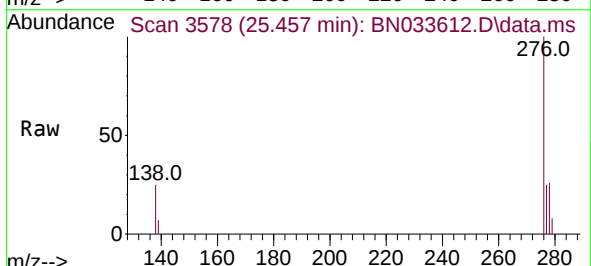
RT: 25.457 min Scan# 3578

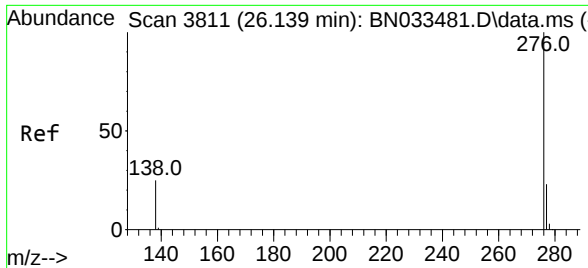
Delta R.T. -0.012 min

Lab File: BN033612.D

Acq: 24 Aug 2024 05:21

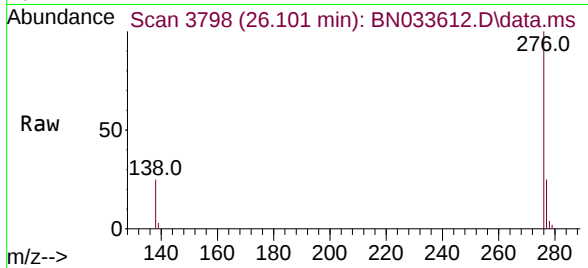
Tgt Ion:	278	Resp:	16789
Ion Ratio	Lower	Upper	
278	100		
139	27.4	19.1	28.7
279	31.6	21.0	31.4





#41
Benzo(g,h,i)perylene
Concen: 0.868 ng
RT: 26.101 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN033612.D
Acq: 24 Aug 2024 05:21

Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624DL



Tgt Ion:276 Resp: 65459
Ion Ratio Lower Upper
276 100
277 24.6 19.7 29.5
138 25.5 21.8 32.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/29/2024

