

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033567.D
 Acq On : 23 Aug 2024 00:28
 Operator : MA/JU
 Sample : P3671-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-911-K1-SO-0-0.5-081924

Quant Time: Aug 23 01:36:03 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	7027	0.400	ng	0.00
7) Naphthalene-d8	10.303	136	17952	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	8336	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	17399	0.400	ng	# 0.00
29) Chrysene-d12	21.139	240	14980	0.400	ng	# 0.00
35) Perylene-d12	23.303	264	17231	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4606	0.206	ng	0.00
5) Phenol-d6	6.729	99	5376	0.202	ng	0.00
8) Nitrobenzene-d5	8.681	82	4363	0.293	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	5407	0.211	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	882	0.197	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	7139	0.210	ng	0.00
27) Fluoranthene-d10	18.970	212	7439	0.178	ng	0.00
31) Terphenyl-d14	19.583	244	4915	0.144	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.357	128	1549	0.032	ng	# 81
12) 2-Methylnaphthalene	11.979	142	1168	0.038	ng	# 91
16) Acenaphthylene	13.900	152	1378	0.038	ng	95
17) Acenaphthene	14.242	154	587	0.023	ng	# 91
18) Fluorene	15.236	166	1963	0.061	ng	# 40
25) Phenanthrene	16.966	178	16053m	0.332	ng	
26) Anthracene	17.066	178	2508	0.059	ng	# 87
28) Fluoranthene	19.003	202	40078	0.749	ng	100
30) Pyrene	19.365	202	35327	0.528	ng	# 95
32) Benzo(a)anthracene	21.121	228	16542	0.305	ng	95
33) Chrysene	21.175	228	22138	0.411	ng	97
34) Bis(2-ethylhexyl)phtha...	21.085	149	2547m	0.074	ng	
36) Indeno(1,2,3-cd)pyrene	25.449	276	16797	0.235	ng	97
37) Benzo(b)fluoranthene	22.662	252	32758	0.509	ng	95
38) Benzo(k)fluoranthene	22.697	252	12346m	0.195	ng	
39) Benzo(a)pyrene	23.206	252	20599	0.387	ng	96
40) Dibenzo(a,h)anthracene	25.460	278	3867	0.068	ng	# 56
41) Benzo(g,h,i)perylene	26.104	276	17089	0.279	ng	95

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

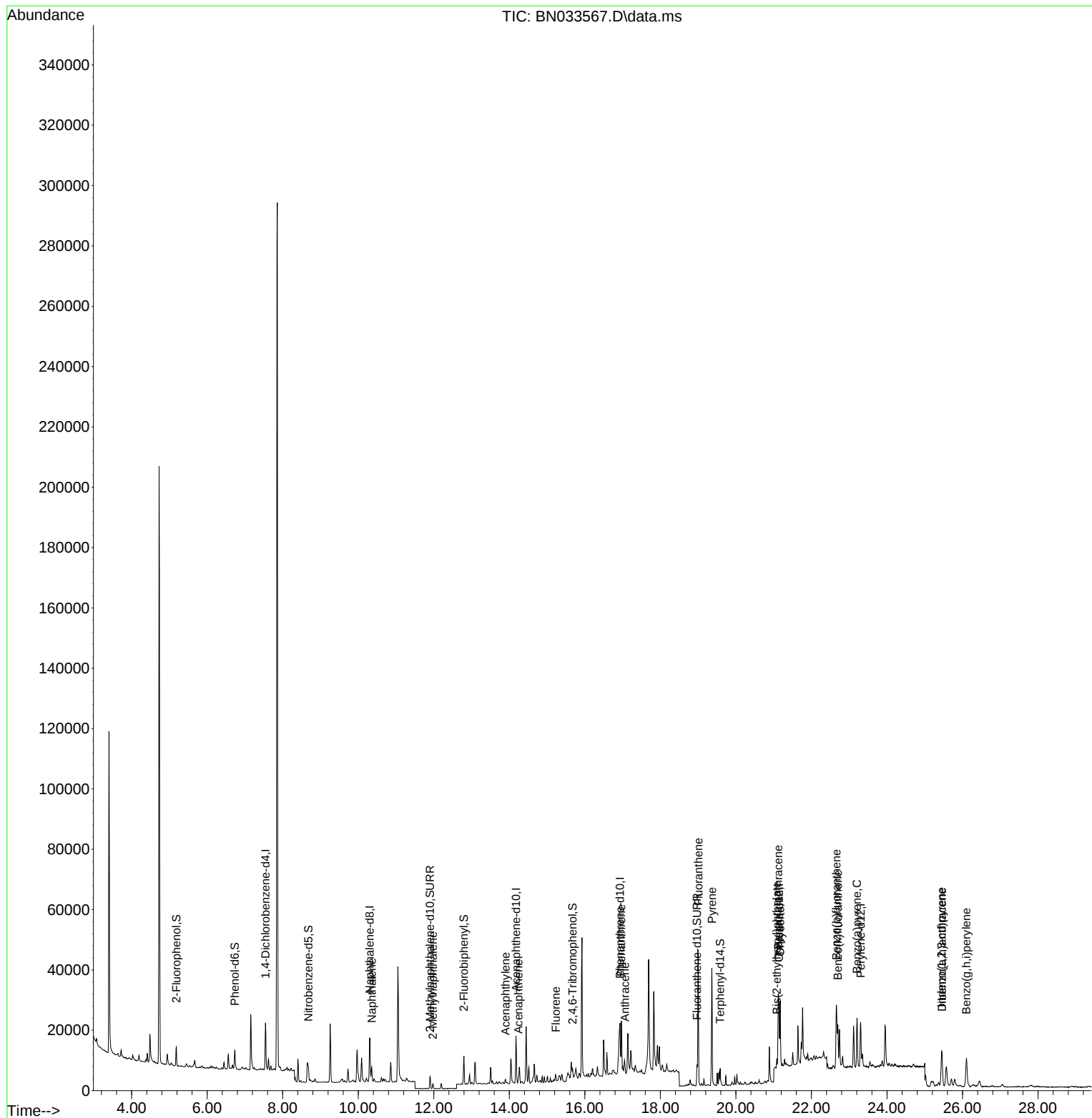
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
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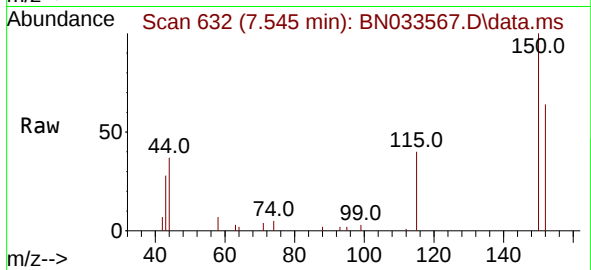
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

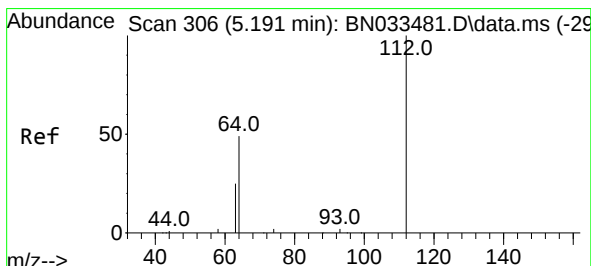
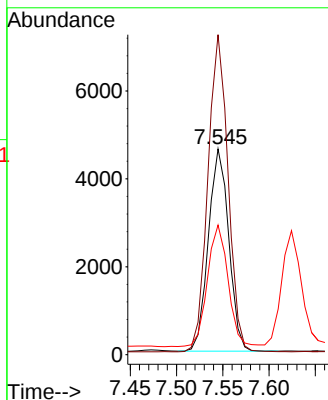
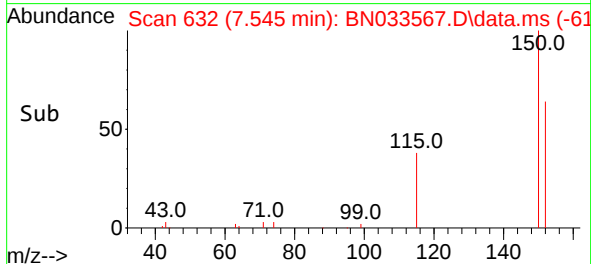
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924



Tgt Ion:152 Resp: 702
Ion Ratio Lower Upper
152 100
150 155.6 122.2 183.2
115 63.0 47.2 70.8

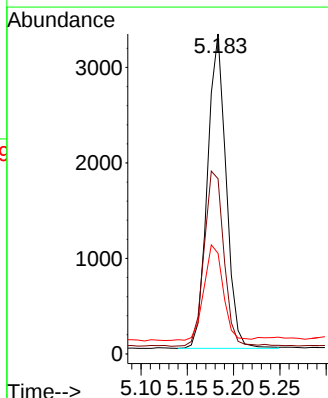
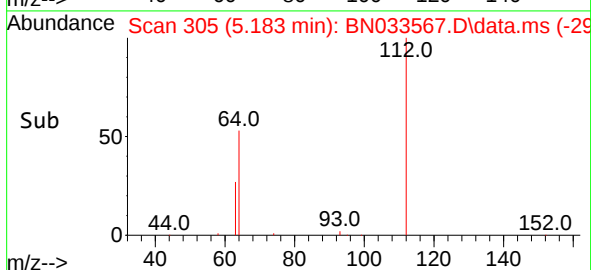
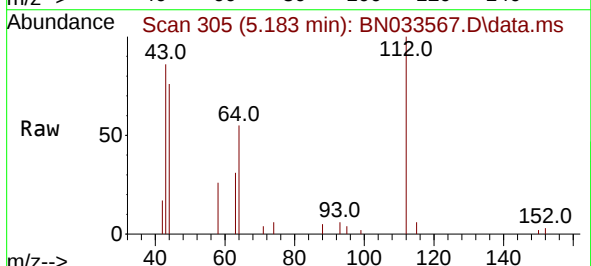
Manual Integrations
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Supervised By :mohammad ahmed 08/24/2024



#4
2-Fluorophenol
Concen: 0.206 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

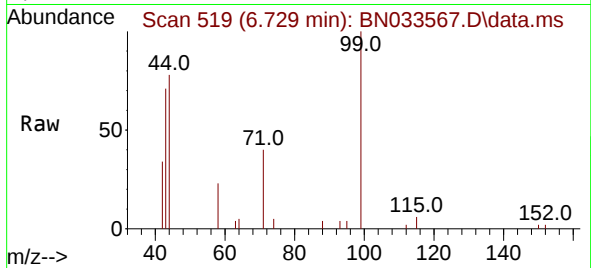
Tgt Ion:112 Resp: 4606
Ion Ratio Lower Upper
112 100
64 59.2 47.1 70.7
63 31.3 24.9 37.3





#5
Phenol-d6
Concen: 0.202 ng
RT: 6.729 min Scan# 519
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

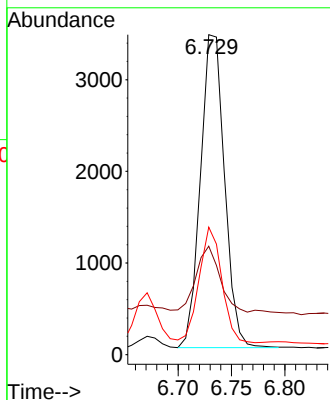
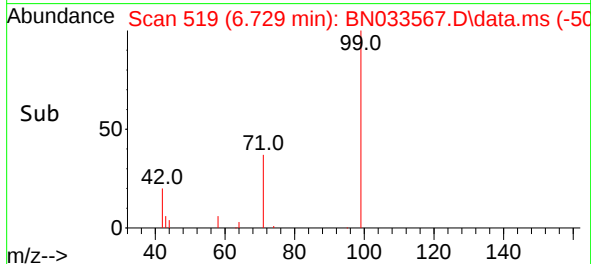
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924



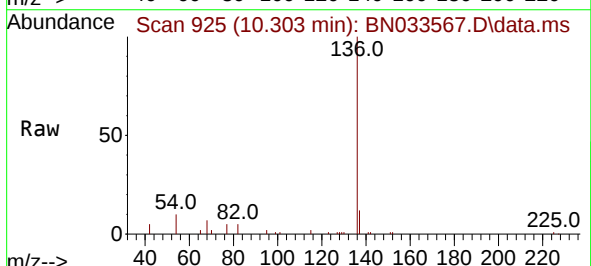
Tgt Ion: 99 Resp: 5370
Ion Ratio Lower Upper
99 100
42 22.1 16.6 24.8
71 35.0 26.2 39.4

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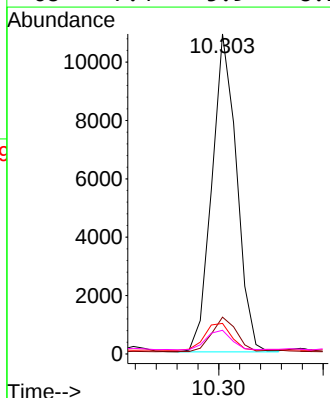
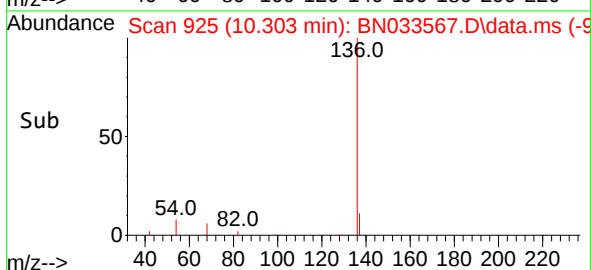
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.303 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28



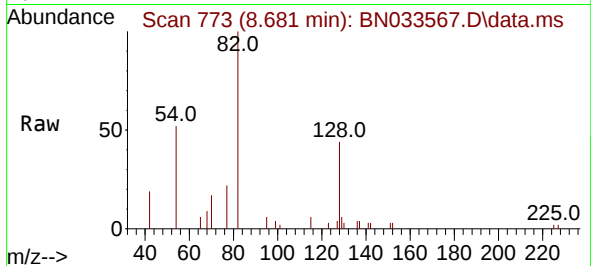
Tgt Ion:136 Resp: 17952
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 9.5 8.3 12.5
68 7.4 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.293 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

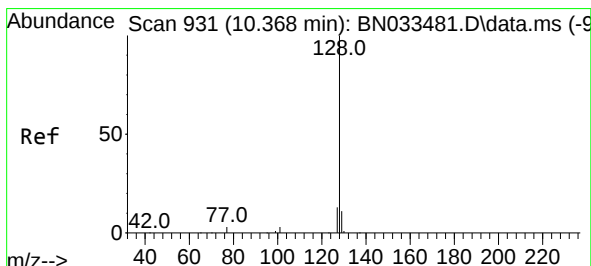
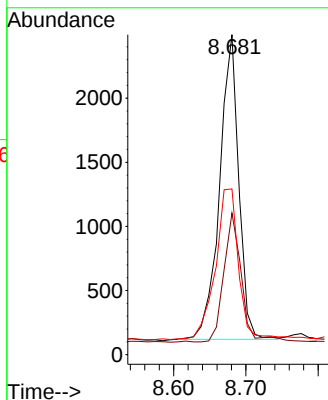
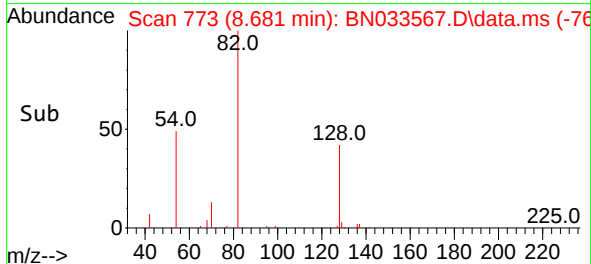
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924



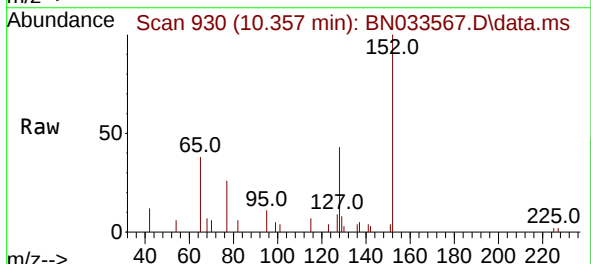
Tgt Ion: 82 Resp: 436
Ion Ratio Lower Upper
82 100
128 44.2 36.0 54.0
54 51.8 42.0 63.0

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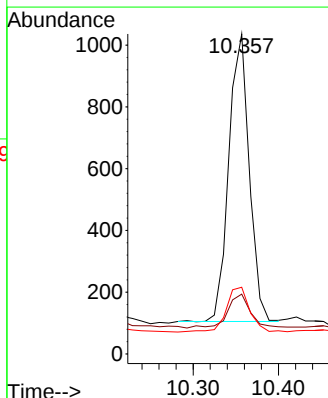
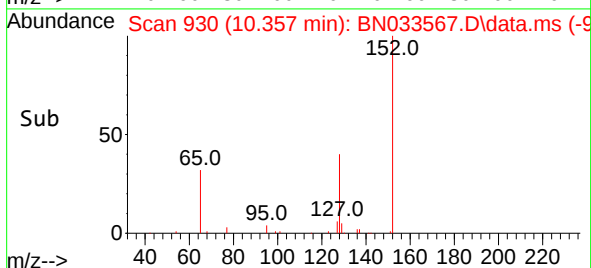
Reviewed By :Yogesh Patel 08/23/2024
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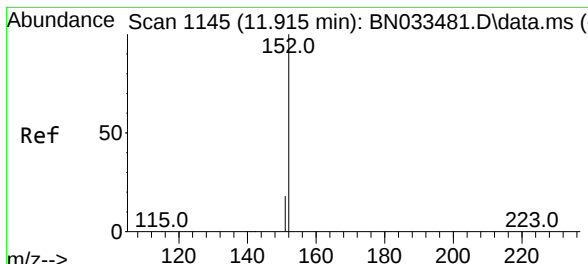


#9
Naphthalene
Concen: 0.032 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28



Tgt Ion:128 Resp: 1549
Ion Ratio Lower Upper
128 100
129 18.7 9.1 13.7#
127 20.8 10.7 16.1#



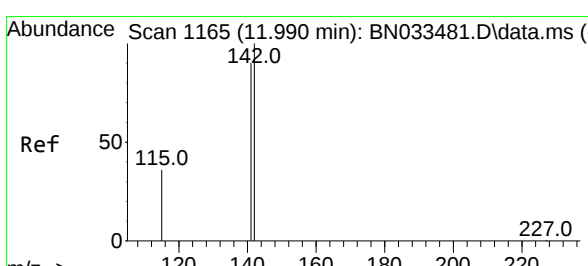
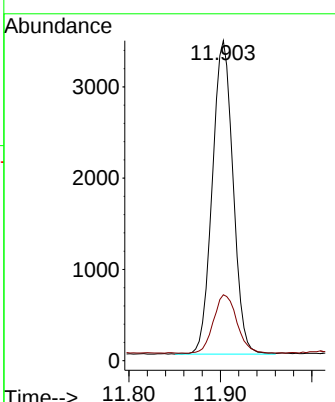
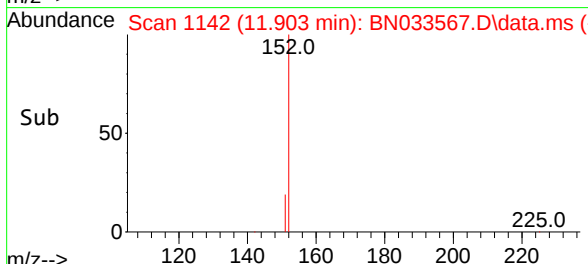
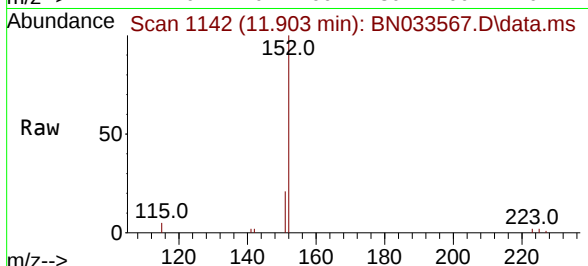


#11
 2-Methylnaphthalene-d10
 Concen: 0.211 ng
 RT: 11.903 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: BN033567.D
 Acq: 23 Aug 2024 00:28

Instrument : BNA_N
 ClientSampleId : S-911-K1-SO-0-0.5-081924

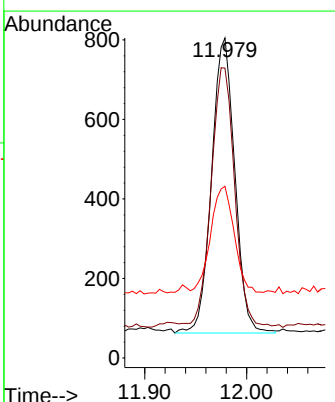
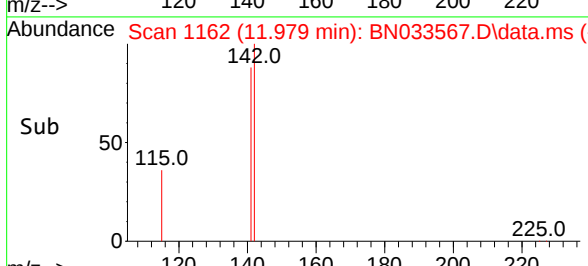
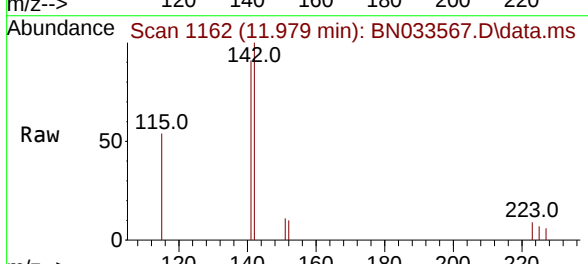
Tgt Ion:	152	Resp:	540
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.6	25.0

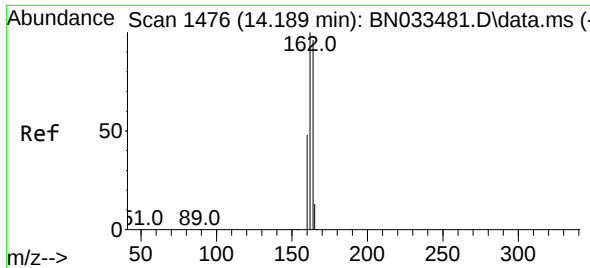
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#12
 2-Methylnaphthalene
 Concen: 0.038 ng
 RT: 11.979 min Scan# 1162
 Delta R.T. -0.000 min
 Lab File: BN033567.D
 Acq: 23 Aug 2024 00:28

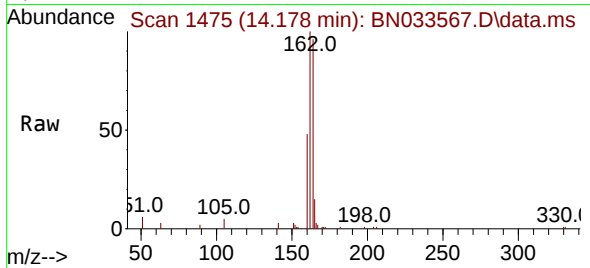
Tgt Ion:	142	Resp:	1168
Ion Ratio	Lower	Upper	
142	100		
141	90.6	71.7	107.5
115	53.7	29.4	44.2





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

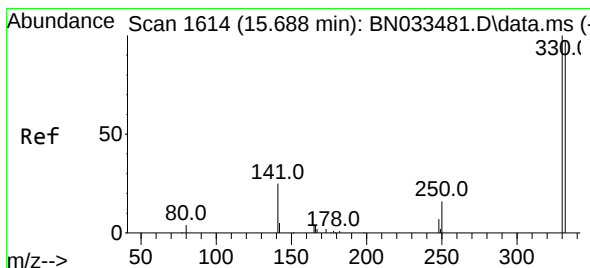
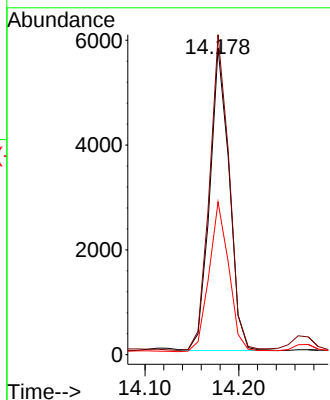
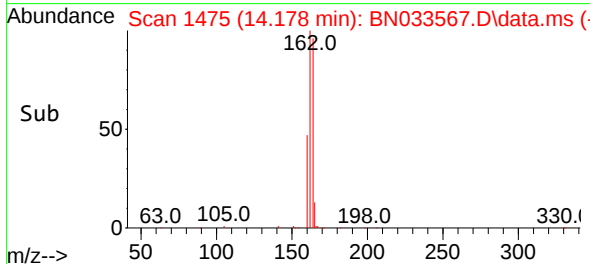
Instrument :
BNA_N
ClientSampleId :
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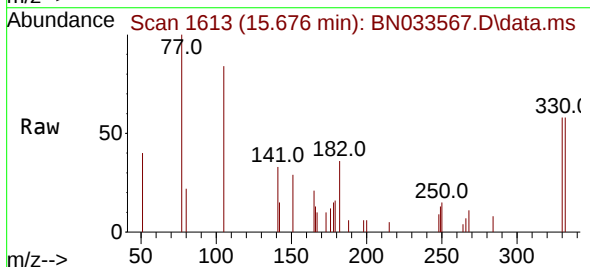
Tgt Ion:164 Resp: 8330
Ion Ratio Lower Upper
164 100
162 104.3 83.5 125.3
160 49.8 40.2 60.4

Manual Integrations
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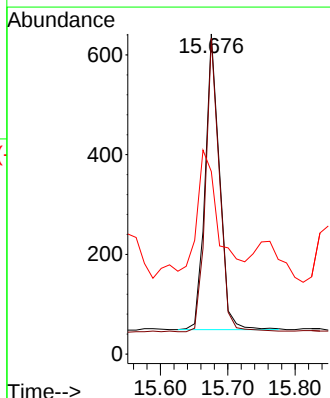
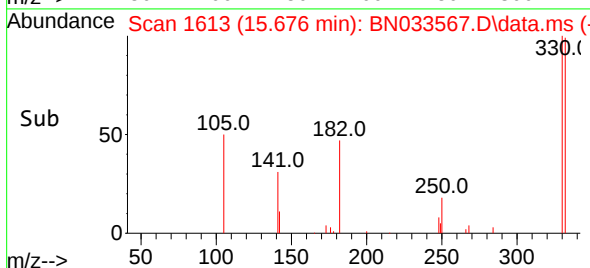
Reviewed By :Yogesh Patel 08/23/2024
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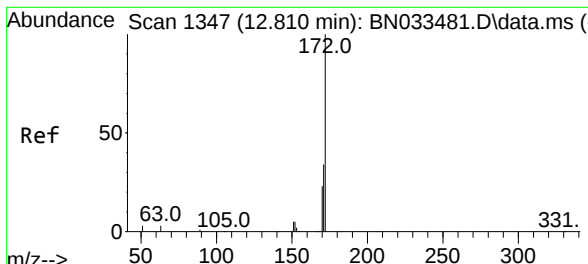


#14
2,4,6-Tribromophenol
Concen: 0.197 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28



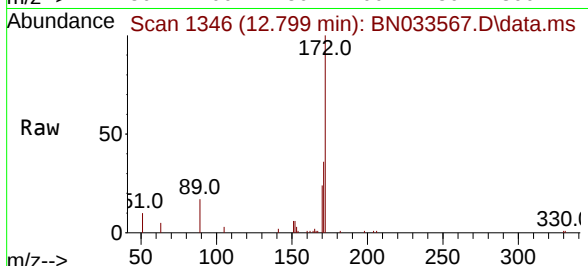
Tgt Ion:330 Resp: 882
Ion Ratio Lower Upper
330 100
332 95.6 77.5 116.3
141 51.5 33.9 50.9#





#15
2-Fluorobiphenyl
Concen: 0.210 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

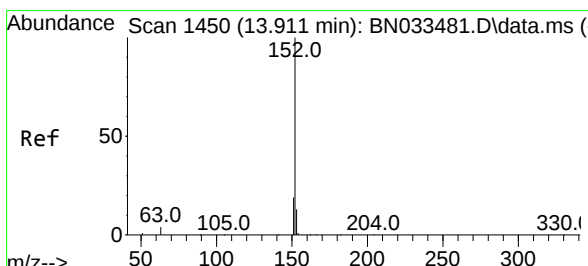
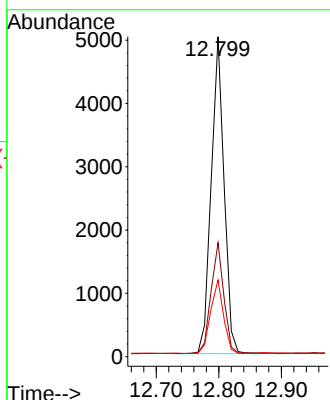
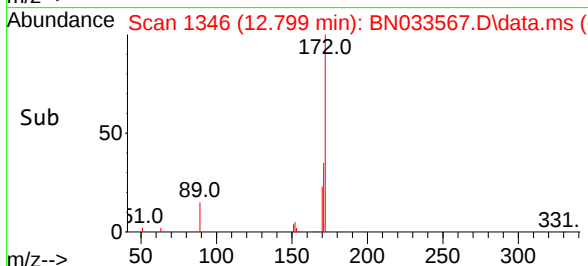
Instrument : BNA_N
ClientSampleId : S-911-K1-SO-0-0.5-081924



Tgt Ion:172 Resp: 7139
Ion Ratio Lower Upper
172 100
171 35.6 27.7 41.5
170 24.0 18.3 27.5

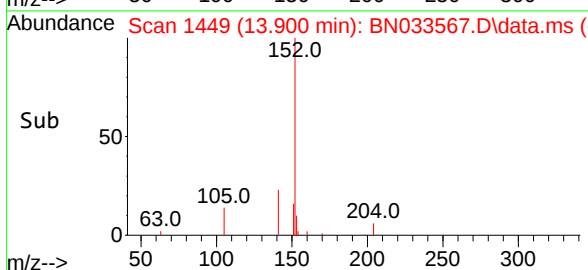
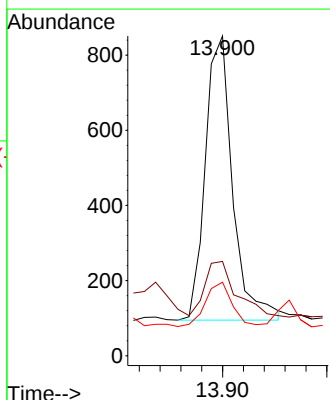
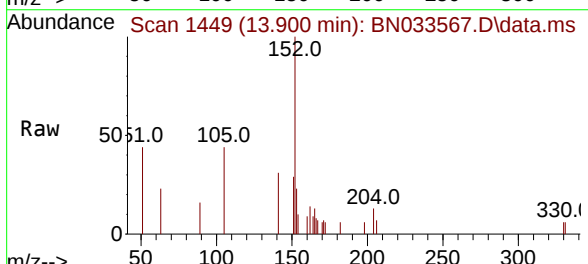
Manual Integrations
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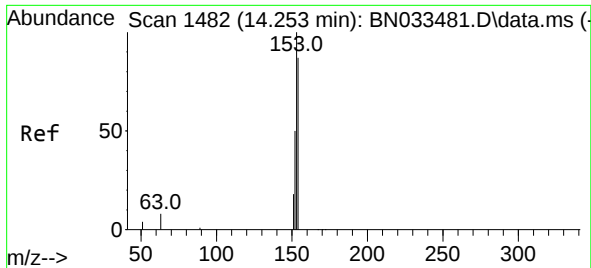
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#16
Acenaphthylene
Concen: 0.038 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

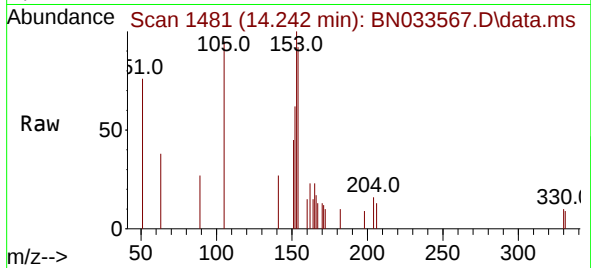
Tgt Ion:152 Resp: 1378
Ion Ratio Lower Upper
152 100
151 21.3 15.7 23.5
153 15.2 10.3 15.5





#17
Acenaphthene
Concen: 0.023 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

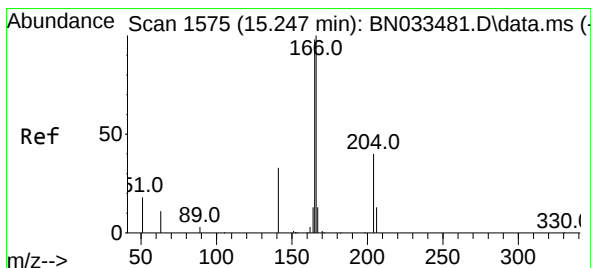
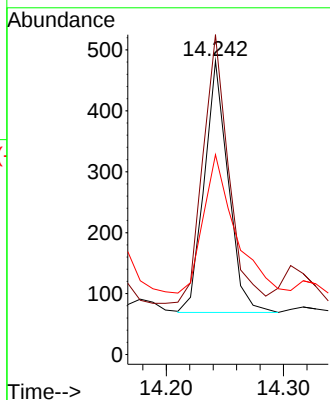
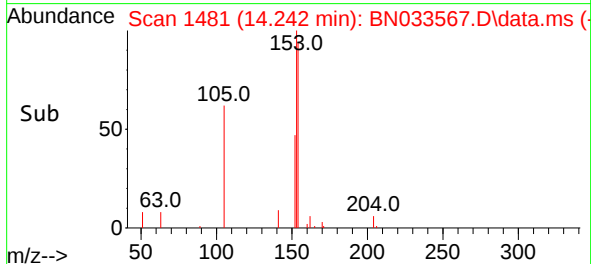
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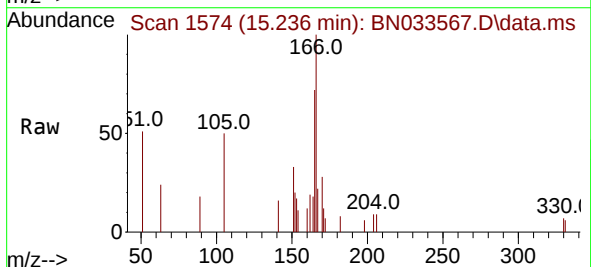
Tgt Ion:154 Resp: 587
Ion Ratio Lower Upper
154 100
153 114.1 89.0 133.6
152 72.4 45.2 67.8

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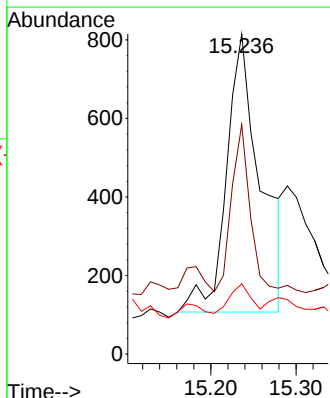
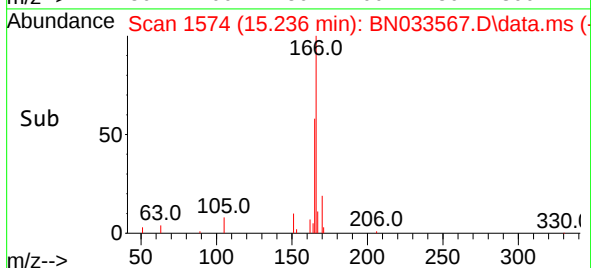
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

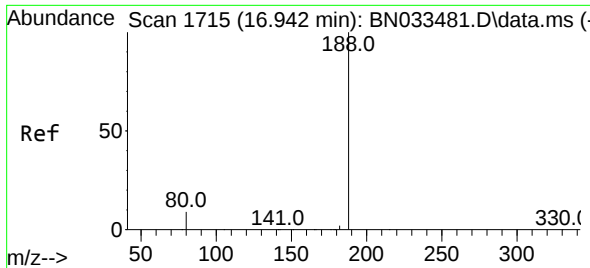


#18
Fluorene
Concen: 0.061 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28



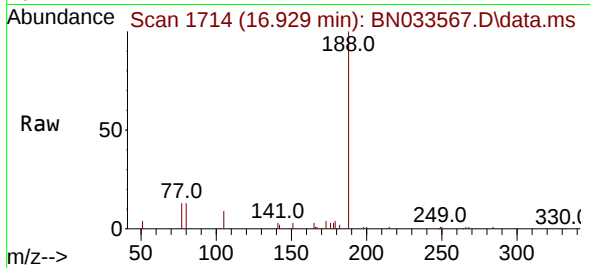
Tgt Ion:166 Resp: 1963
Ion Ratio Lower Upper
166 100
165 32.3 78.2 117.4#
167 6.4 10.6 16.0#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1715
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

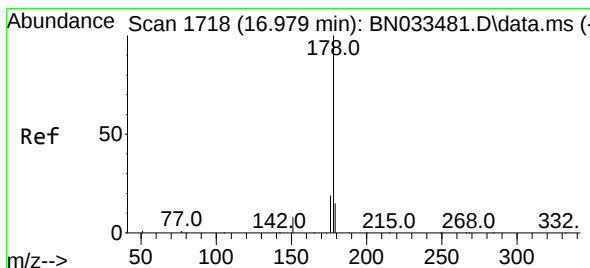
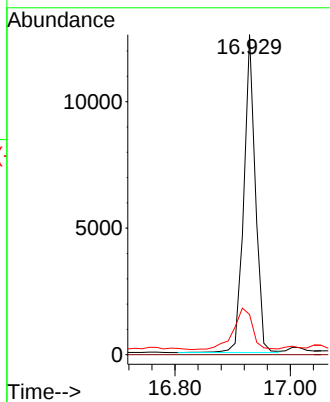
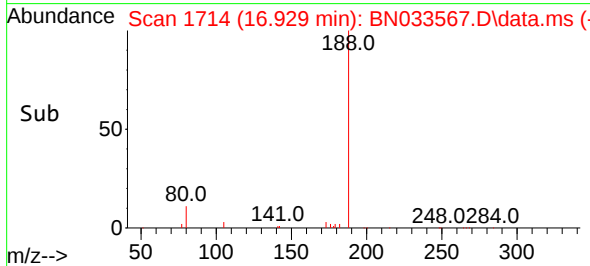
Instrument : BNA_N
ClientSampleId : S-911-K1-SO-0-0.5-081924



Tgt Ion:188 Resp: 17395
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.5 7.8 11.8

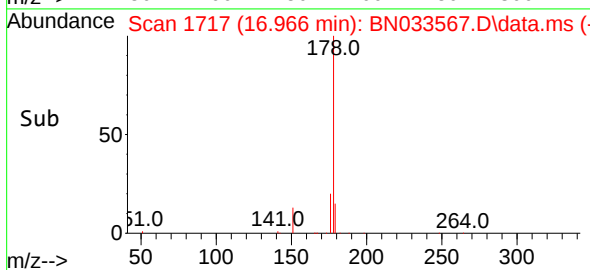
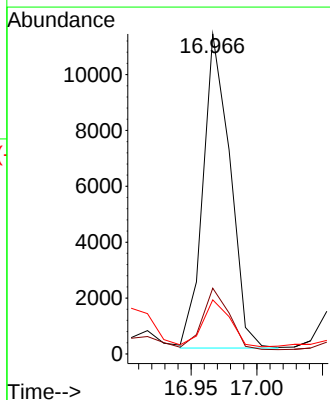
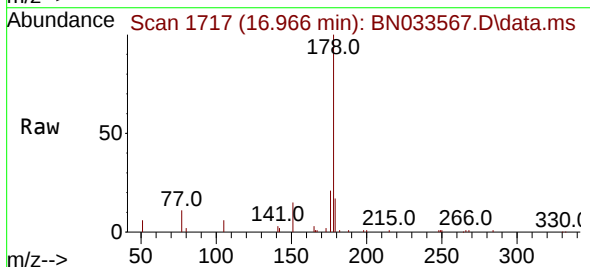
Manual Integrations
APPROVED

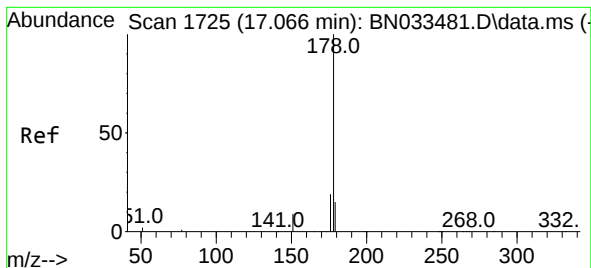
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#25
Phenanthrene
Concen: 0.332 ng m
RT: 16.966 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

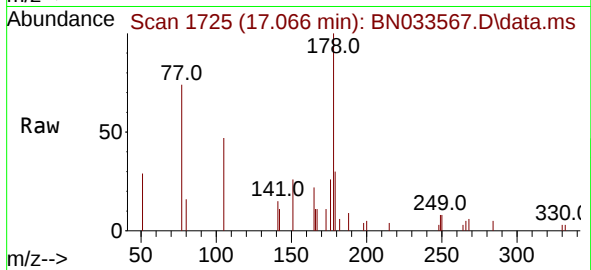
Tgt Ion:178 Resp: 16053
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 14.9 12.3 18.5





#26
 Anthracene
 Concen: 0.059 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. -0.000 min
 Lab File: BN033567.D
 Acq: 23 Aug 2024 00:28

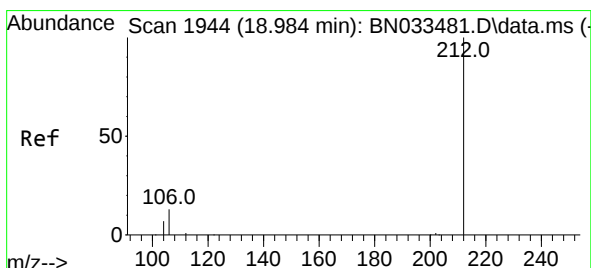
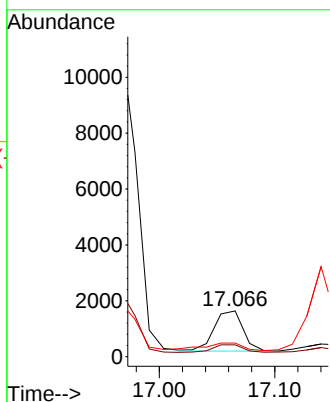
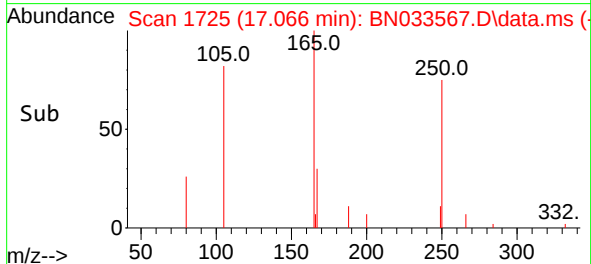
Instrument :
 BNA_N
 ClientSampleId :
 S-911-K1-SO-0-0.5-081924



Tgt Ion:178 Resp: 2500
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.0 22.6
 179 26.8 12.4 18.6

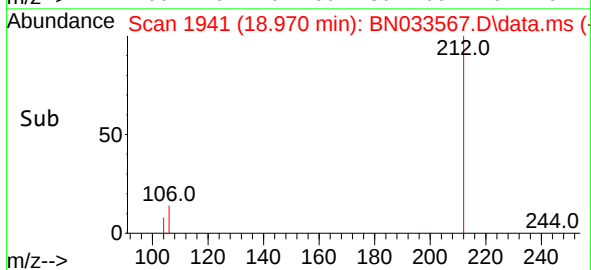
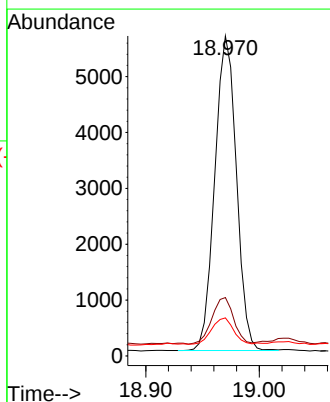
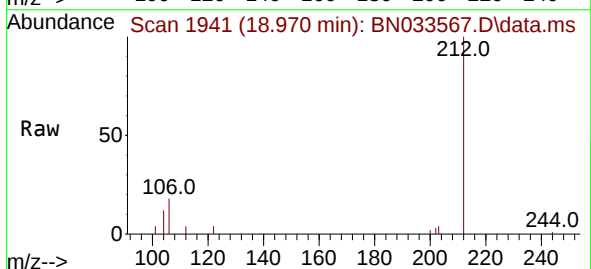
Manual Integrations
 APPROVED

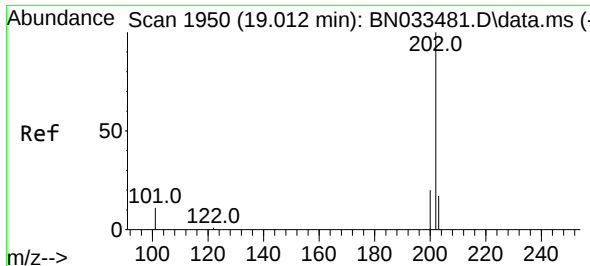
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#27
 Fluoranthene-d10
 Concen: 0.178 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: BN033567.D
 Acq: 23 Aug 2024 00:28

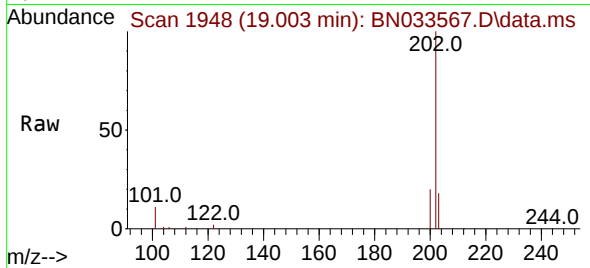
Tgt Ion:212 Resp: 7439
 Ion Ratio Lower Upper
 212 100
 106 14.9 12.3 18.5
 104 8.8 7.0 10.4





#28
Fluoranthene
Concen: 0.749 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

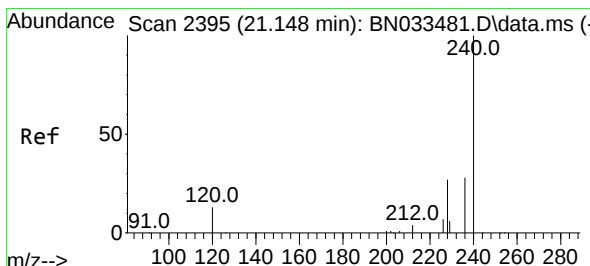
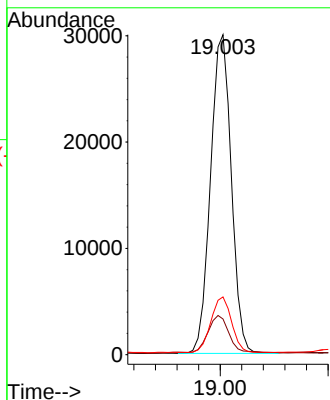
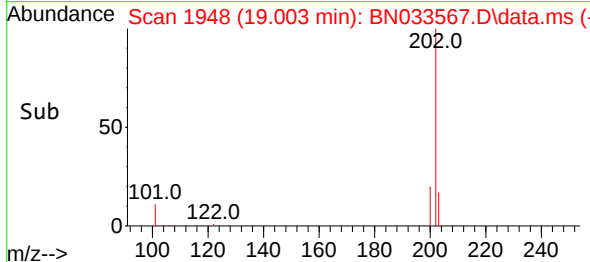
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924



Tgt Ion:202 Resp: 40078
Ion Ratio Lower Upper
202 100
101 12.0 9.5 14.3
203 17.3 13.8 20.6

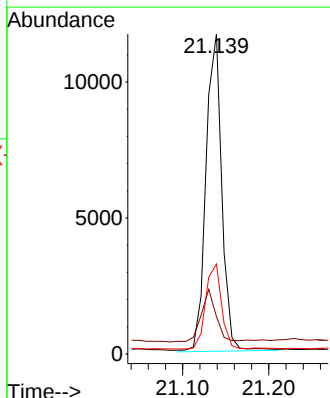
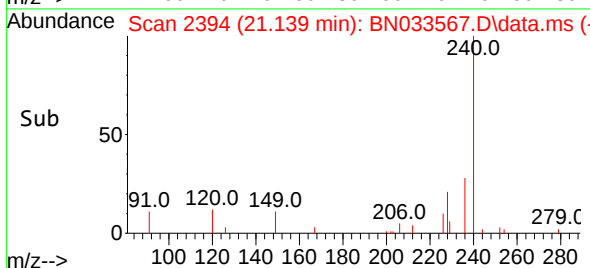
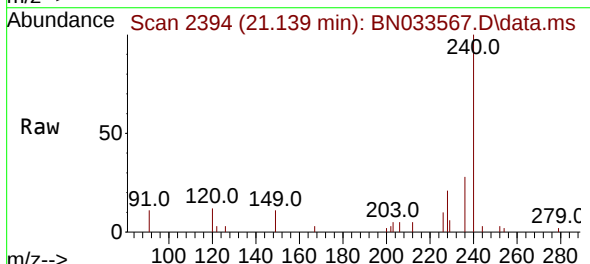
Manual Integrations
APPROVED

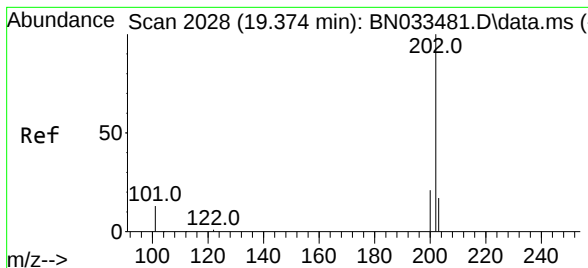
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

Tgt Ion:240 Resp: 14980
Ion Ratio Lower Upper
240 100
120 11.7 12.4 18.6#
236 28.1 23.0 34.6





#30

Pyrene

Concen: 0.528 ng

RT: 19.365 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

Instrument :

BNA_N

ClientSampleId :

S-911-K1-SO-0-0.5-081924

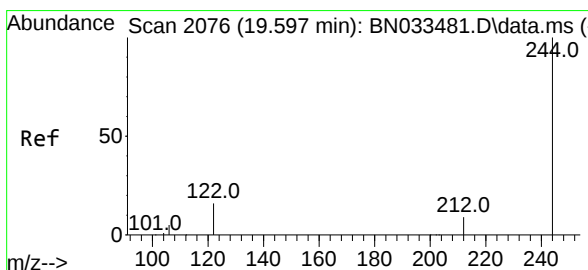
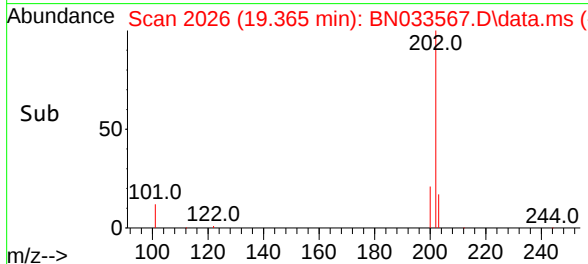
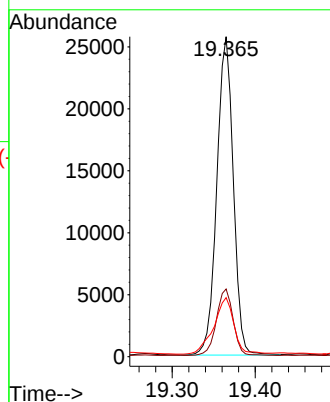
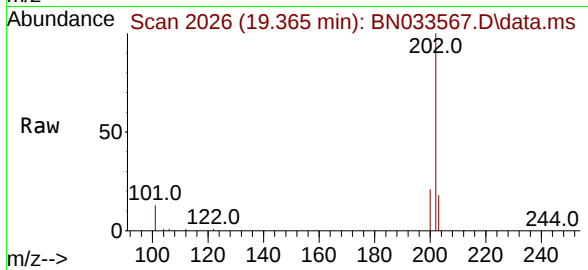
Tgt Ion:202	Resp:	3532
Ion Ratio	Lower	Upper
202	100	
200	21.1	16.6 24.8
203	21.8	14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/24/2024



#31

Terphenyl-d14

Concen: 0.144 ng

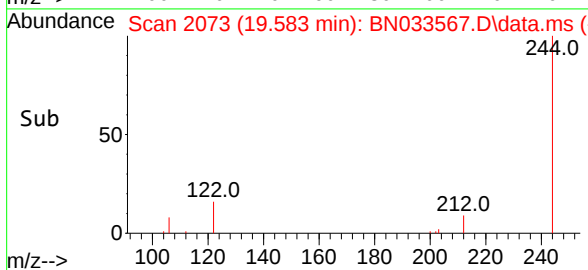
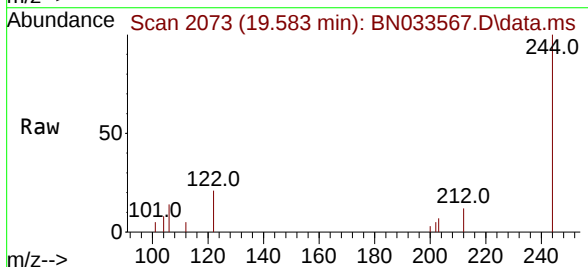
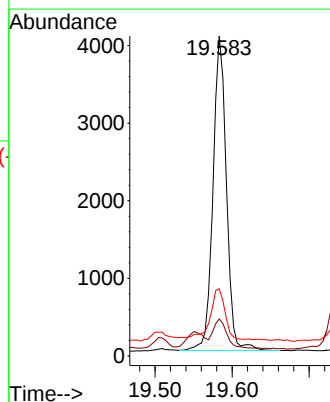
RT: 19.583 min Scan# 2073

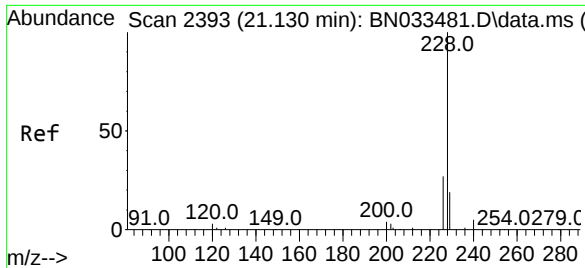
Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

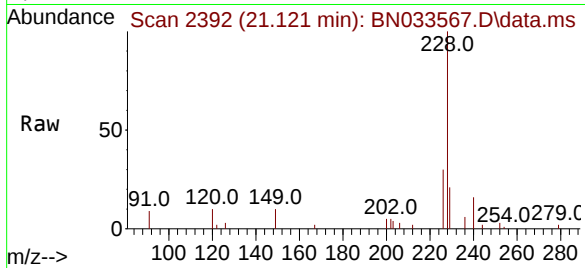
Tgt Ion:244	Resp:	4915
Ion Ratio	Lower	Upper
244	100	
212	11.5	7.8 11.6
122	21.0	13.3 19.9





#32
Benzo(a)anthracene
Concen: 0.305 ng
RT: 21.121 min Scan# 21121
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

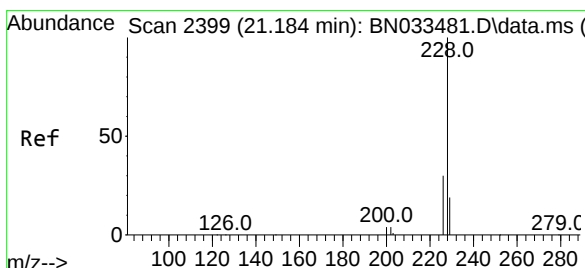
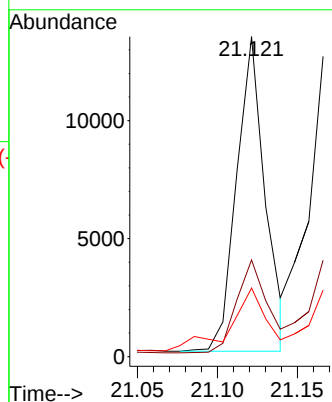
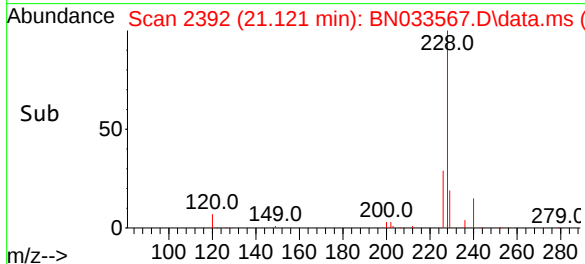
Instrument : BNA_N
ClientSampleId : S-911-K1-SO-0-0.5-081924



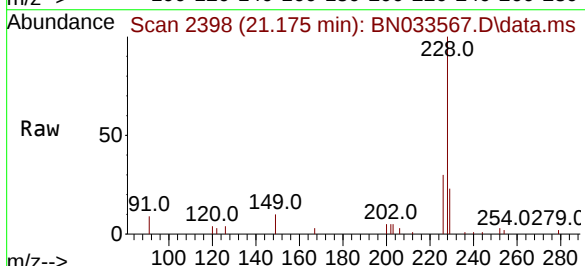
Tgt Ion:228 Resp: 1654
Ion Ratio Lower Upper
228 100
226 30.3 21.8 32.6
229 21.5 15.8 23.6

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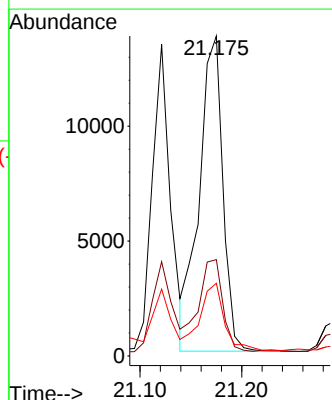
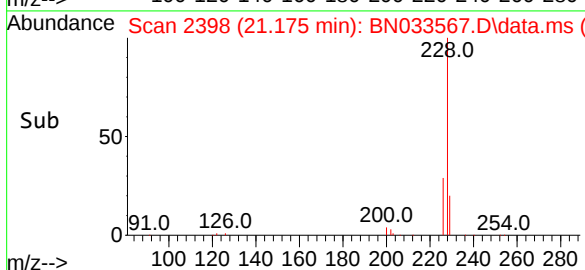
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

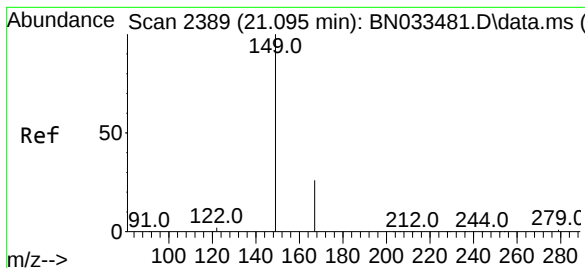


#33
Chrysene
Concen: 0.411 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28



Tgt Ion:228 Resp: 22138
Ion Ratio Lower Upper
228 100
226 30.1 23.8 35.8
229 22.7 15.6 23.4





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.074 ng m

RT: 21.085 min Scan# 2108

Delta R.T. -0.000 min

Lab File: BN033567.D

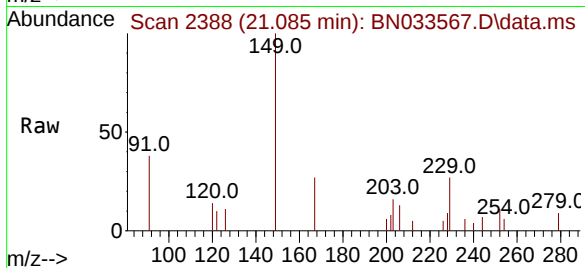
Acq: 23 Aug 2024 00:28

Instrument :

BNA_N

ClientSampleId :

S-911-K1-SO-0-0.5-081924



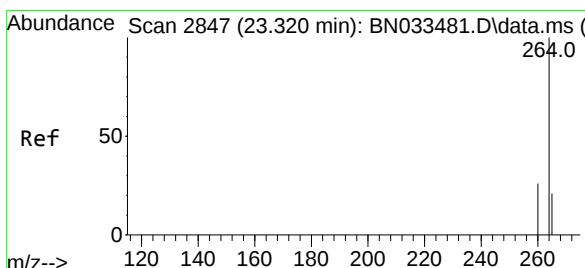
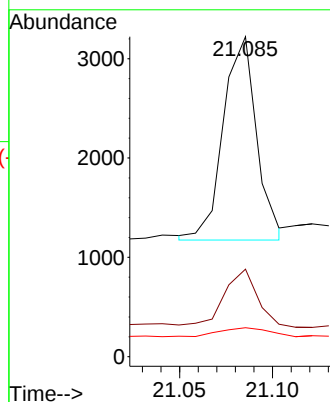
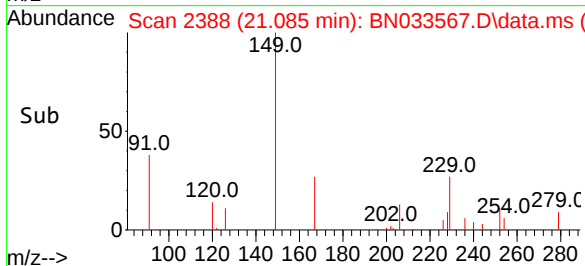
Tgt Ion:	149	Resp:	254
Ion Ratio	Lower	Upper	
149	100		
167	115.3	21.5	32.3
279	15.5	2.2	3.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/24/2024



#35

Perylene-d12

Concen: 0.400 ng

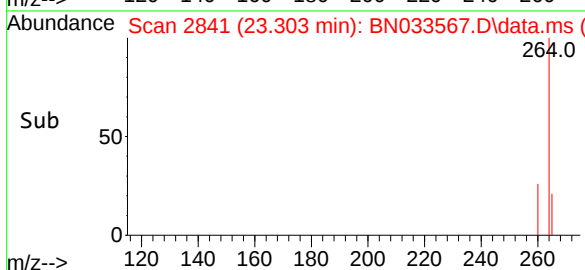
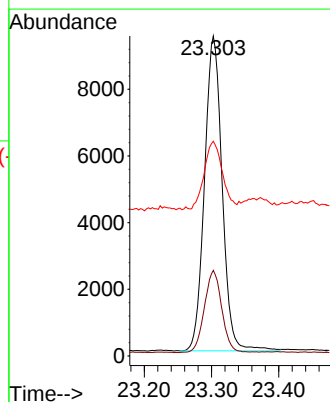
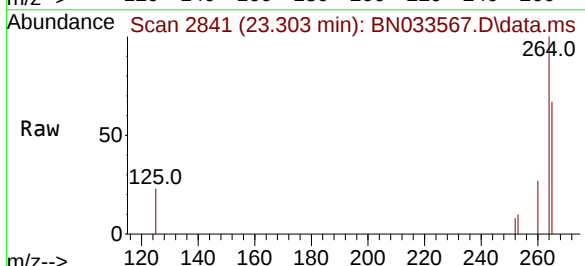
RT: 23.303 min Scan# 2841

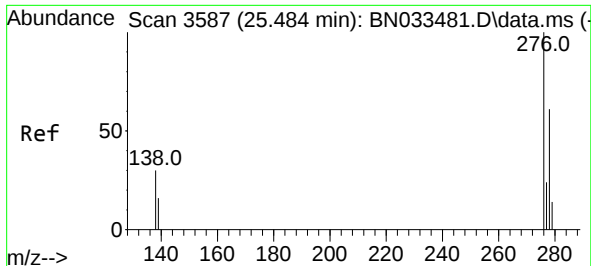
Delta R.T. -0.000 min

Lab File: BN033567.D

Acq: 23 Aug 2024 00:28

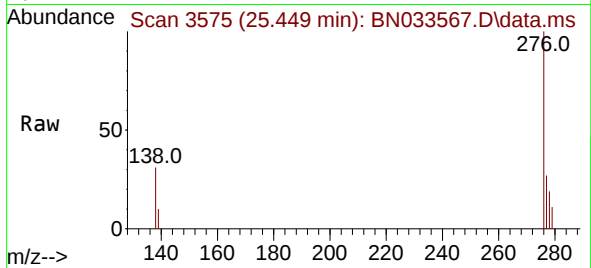
Tgt Ion:	264	Resp:	17231
Ion Ratio	Lower	Upper	
264	100		
260	26.8	20.8	31.2
265	67.1	52.2	78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.235 ng
RT: 25.449 min Scan# 3575
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

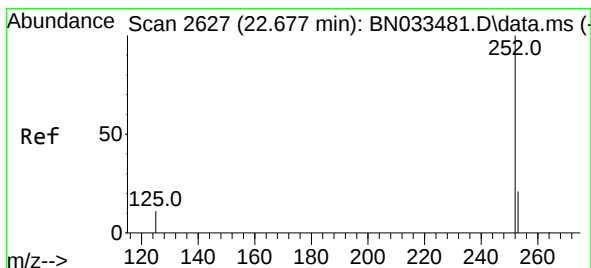
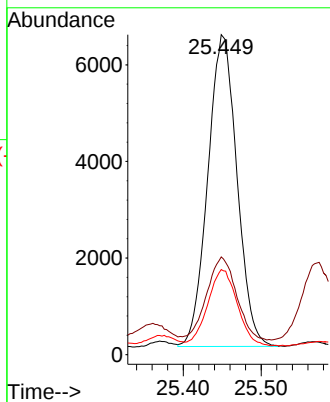
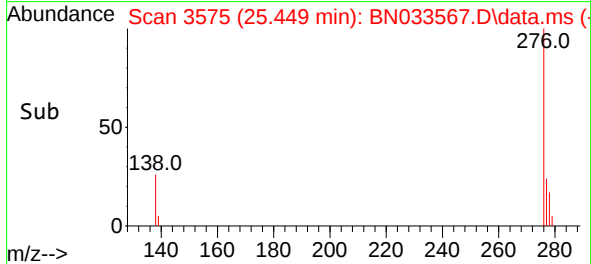
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924



Tgt Ion:276 Resp: 1679
Ion Ratio Lower Upper
276 100
138 27.1 24.4 36.6
277 24.7 19.8 29.6

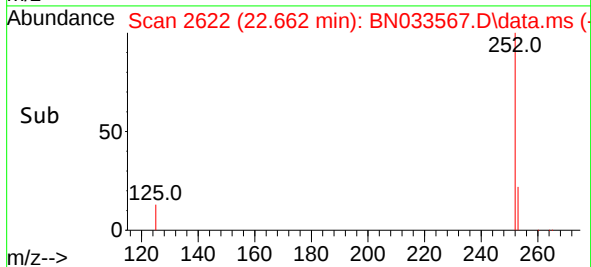
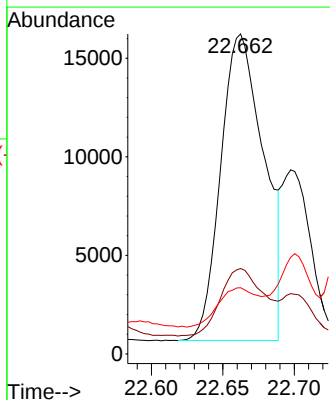
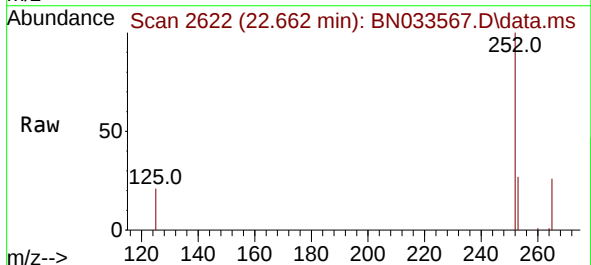
Manual Integrations
APPROVED

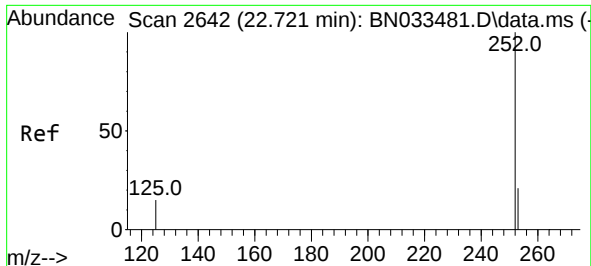
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#37
Benzo(b)fluoranthene
Concen: 0.509 ng
RT: 22.662 min Scan# 2622
Delta R.T. 0.003 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

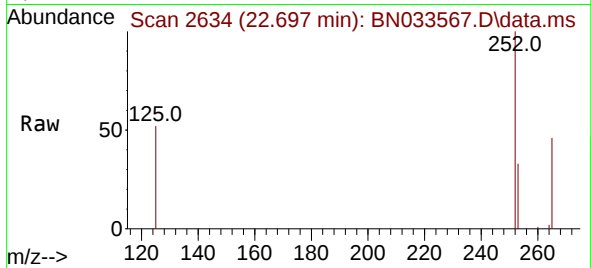
Tgt Ion:252 Resp: 32758
Ion Ratio Lower Upper
252 100
253 26.7 19.8 29.8
125 20.7 13.9 20.9





#38
Benzo(k)fluoranthene
Concen: 0.195 ng m
RT: 22.697 min Scan# 20
Delta R.T. -0.006 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

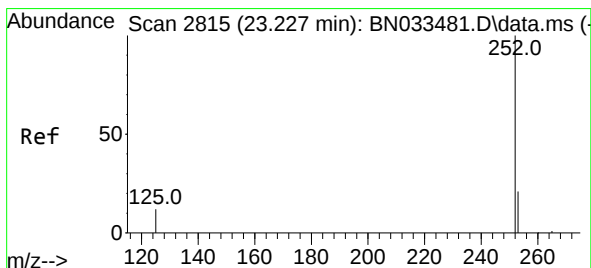
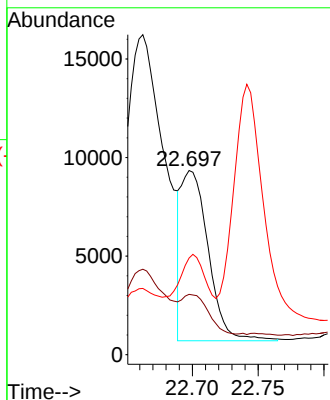
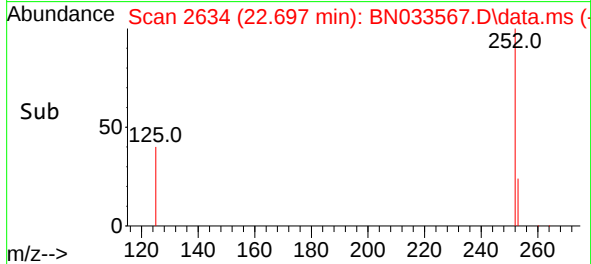
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924



Tgt Ion:252 Resp: 12340
Ion Ratio Lower Upper
252 100
253 32.8 19.8 29.8
125 52.5 15.8 23.8

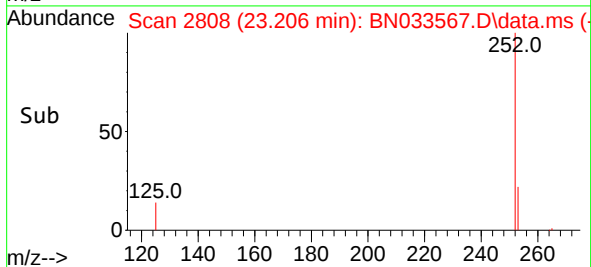
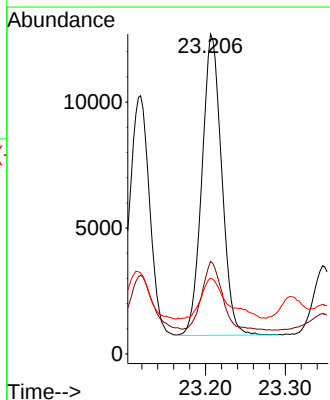
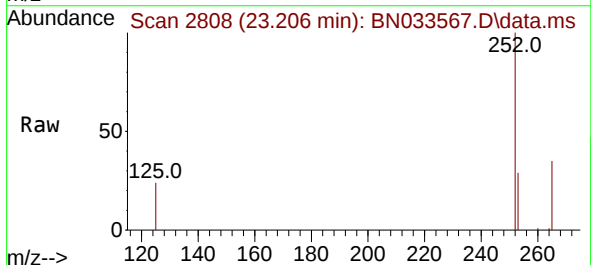
Manual Integrations
APPROVED

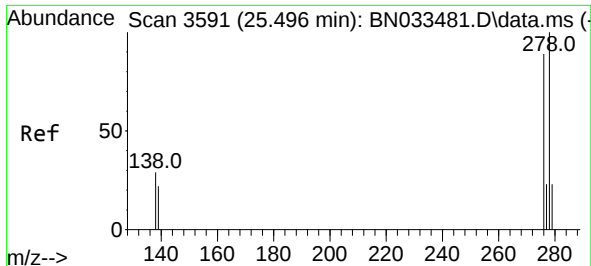
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#39
Benzo(a)pyrene
Concen: 0.387 ng
RT: 23.206 min Scan# 2808
Delta R.T. -0.003 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

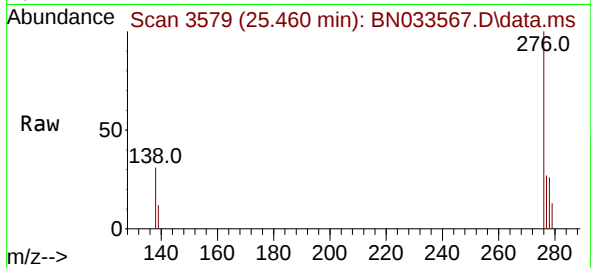
Tgt Ion:252 Resp: 20599
Ion Ratio Lower Upper
252 100
253 28.9 21.5 32.3
125 23.6 17.0 25.4





#40
Dibenzo(a,h)anthracene
Concen: 0.068 ng
RT: 25.460 min Scan# 31
Delta R.T. -0.009 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

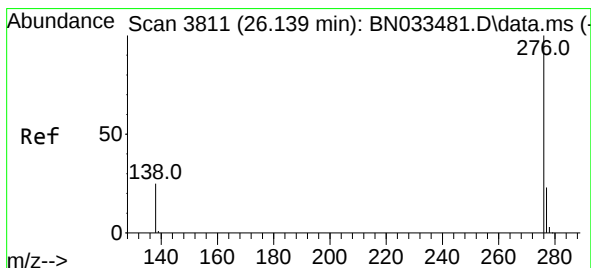
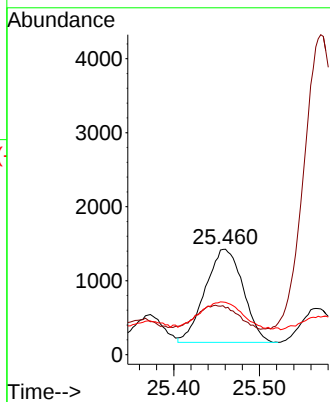
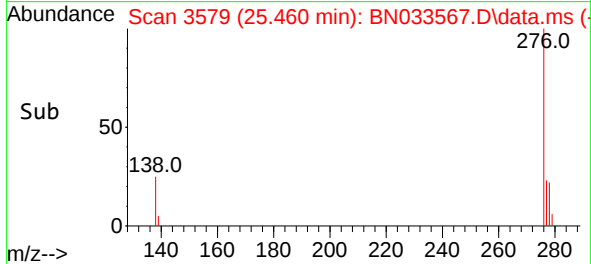
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924



Tgt Ion:278 Resp: 386
Ion Ratio Lower Upper
278 100
139 44.4 19.1 28.7
279 49.6 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: 0.279 ng
RT: 26.104 min Scan# 3799
Delta R.T. -0.000 min
Lab File: BN033567.D
Acq: 23 Aug 2024 00:28

Tgt Ion:276 Resp: 17089
Ion Ratio Lower Upper
276 100
277 25.7 19.7 29.5
138 30.9 21.8 32.6

