

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
 Data File : BN035598.D
 Acq On : 13 Dec 2024 15:41
 Operator : RC/JU
 Sample : PB165482BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS482

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024

Quant Time: Dec 13 16:28:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 10 16:10:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.297	152	1483	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.042	136	5276	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.958	164	3515	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.726	188	6999	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.973	240	5218	0.400	ng/ul	# 0.01
23) Perylene-d12	23.071	264	6115	0.400	ng/ul	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.963	96	693	0.511	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.648	152	2510	0.325	ng/ul	0.00
18) Fluoranthene-d10	18.782	212	5819	0.404	ng/ul	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.993	88	1760	1.196	ng/ul#	60
5) Naphthalene	10.091	128	3698m	0.278	ng/ul	
7) 2-Methylnaphthalene	11.725	142	2700	0.293	ng/ul	94
8) 1-Methylnaphthalene	11.950	142	2830	0.304	ng/ul	99
10) Acenaphthylene	13.671	152	4502	0.323	ng/ul#	91
11) Acenaphthene	14.023	153	3269	0.306	ng/ul	97
12) Fluorene	15.027	166	3839	0.307	ng/ul#	95
14) Pentachlorophenol	16.392	266	813	0.499	ng/ul	98
15) Phenanthrene	16.768	178	6024	0.326	ng/ul#	82
16) Anthracene	16.861	178	5894	0.343	ng/ul#	81
19) Fluoranthene	18.809	202	6745	0.371	ng/ul#	85
20) Pyrene	19.177	202	7177	0.380	ng/ul#	82
21) Benzo(a)anthracene	20.958	228	6279	0.347	ng/ul#	45
22) Chrysene	21.011	228	5786	0.318	ng/ul#	47
24) Benzo(b)fluoranthene	22.457	252	6422	0.318	ng/ul#	1
25) Benzo(k)fluoranthene	22.498	252	6630	0.318	ng/ul#	1
26) Benzo(a)pyrene	22.981	252	5729	0.310	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.114	276	7618m	0.305	ng/ul	
28) Dibenzo(a,h)anthracene	25.128	278	5531m	0.283	ng/ul	
29) Benzo(g,h,i)perylene	25.732	276	5770	0.293	ng/ul#	1

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

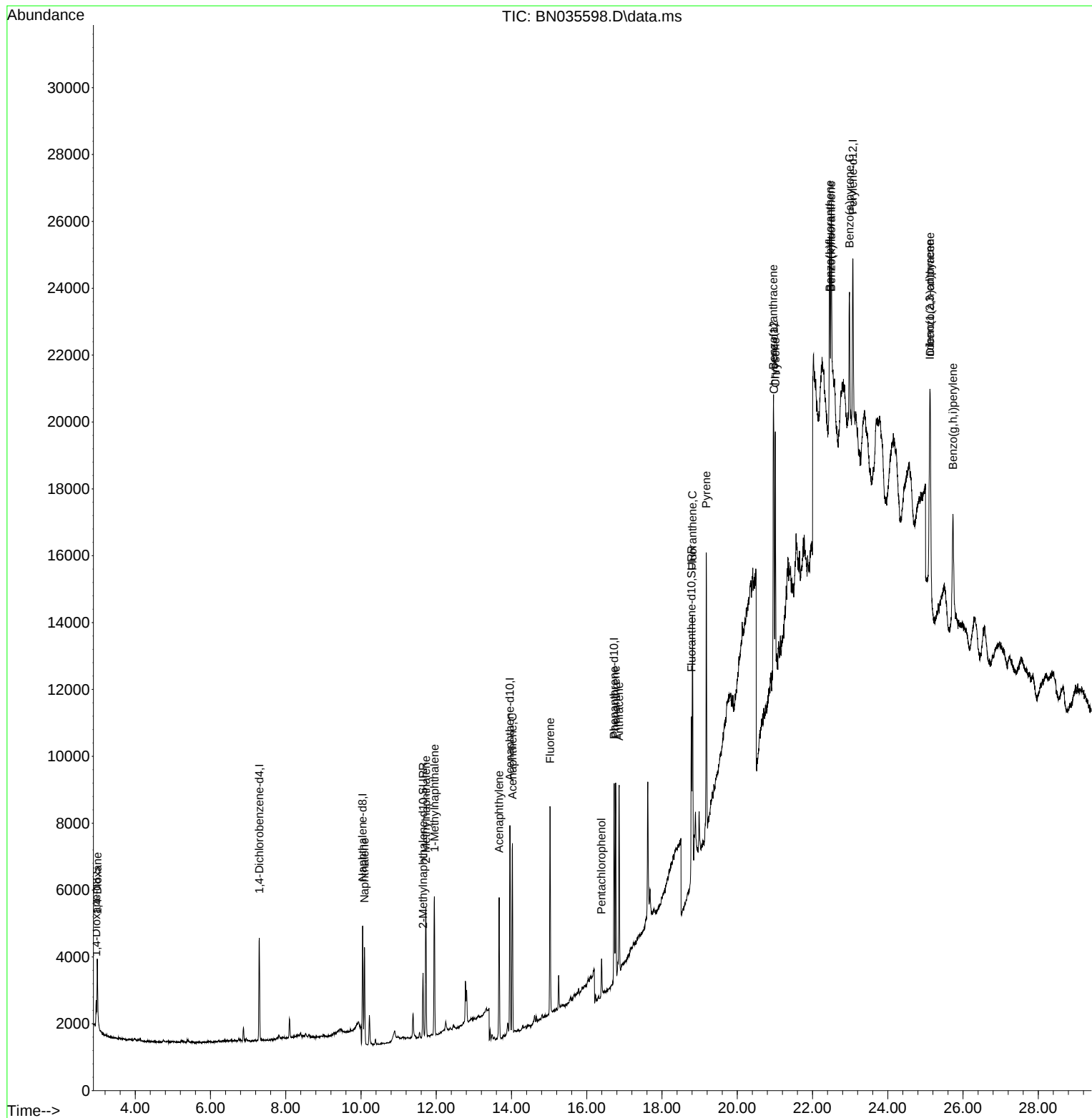
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035598.D
Acq On : 13 Dec 2024 15:41
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ALS Vial : 11 Sample Multiplier: 1

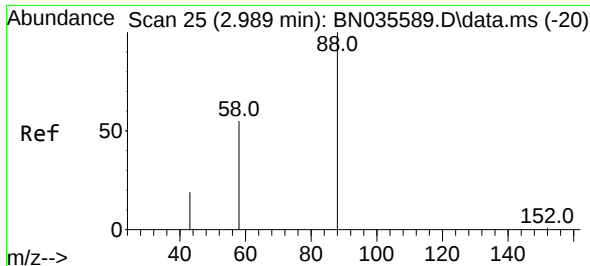
Instrument :
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ClientSampleId :
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Quant Time: Dec 13 16:28:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
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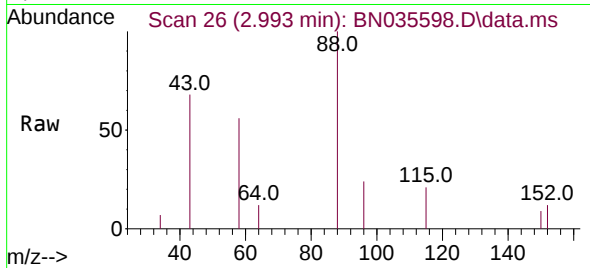
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024





#2
1,4-Dioxane
Concen: 1.196 ng/ul
RT: 2.993 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

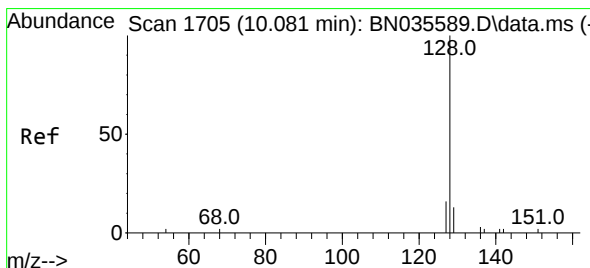
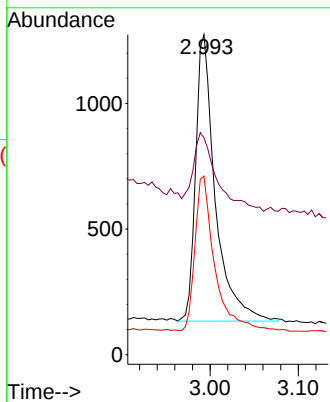
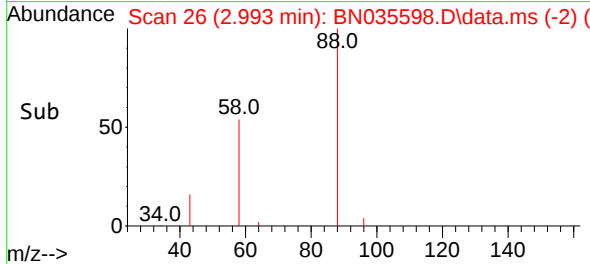
Instrument :
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ClientSampleId :
SLCS482



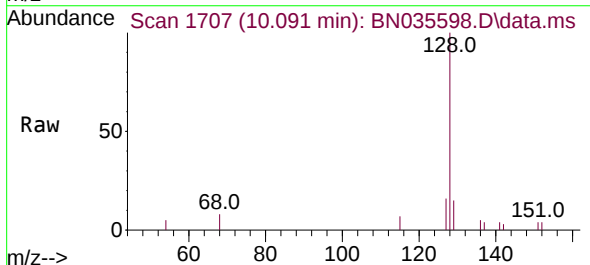
Tgt Ion: 88 Resp: 1760
Ion Ratio Lower Upper
88 100
43 67.8 20.6 31.0
58 55.8 36.2 54.4

Manual Integrations
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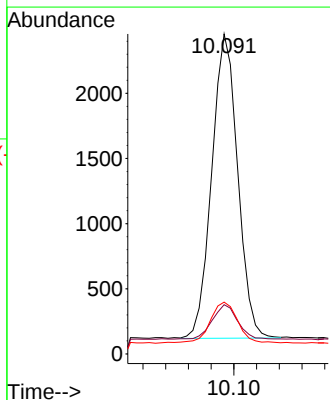
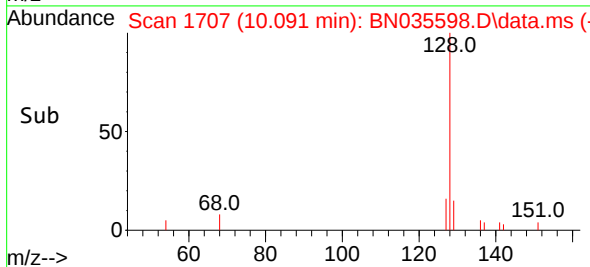
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024

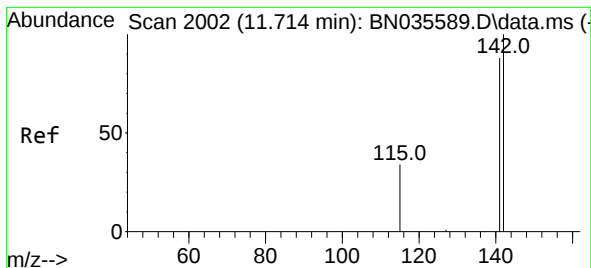


#5
Naphthalene
Concen: 0.278 ng/ul m
RT: 10.091 min Scan# 1707
Delta R.T. 0.006 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41



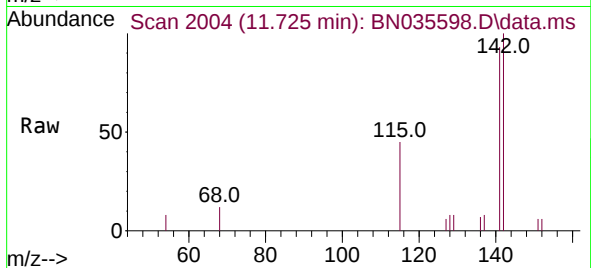
Tgt Ion:128 Resp: 3698
Ion Ratio Lower Upper
128 100
129 15.4 9.9 14.9
127 16.2 11.4 17.2





#7
2-Methylnaphthalene
Concen: 0.293 ng/ul
RT: 11.725 min Scan# 2004
Delta R.T. 0.011 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

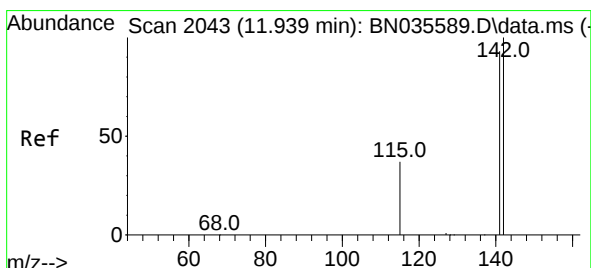
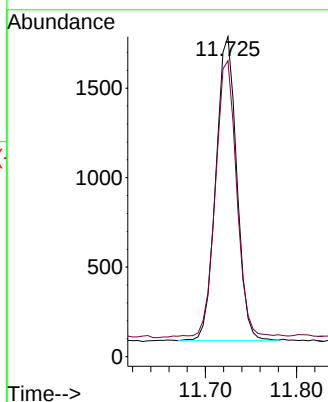
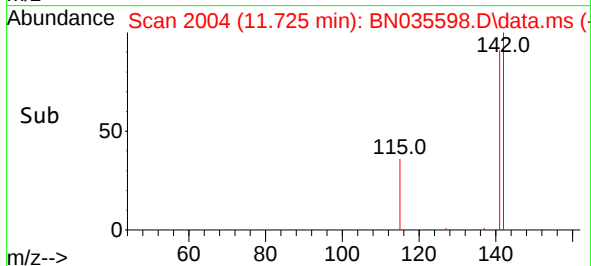
Instrument :
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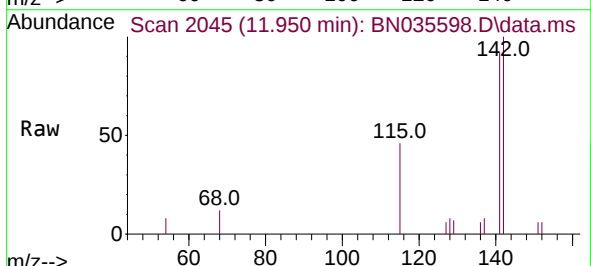
Tgt Ion:142 Resp: 2700
Ion Ratio Lower Upper
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141 93.9 70.4 105.6

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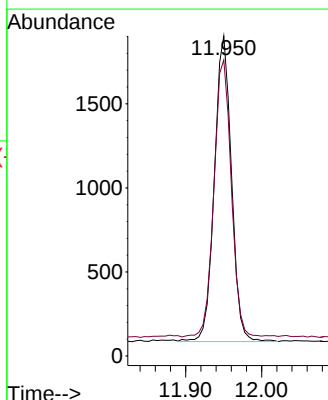
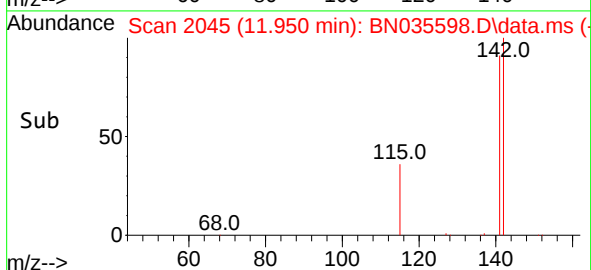
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024

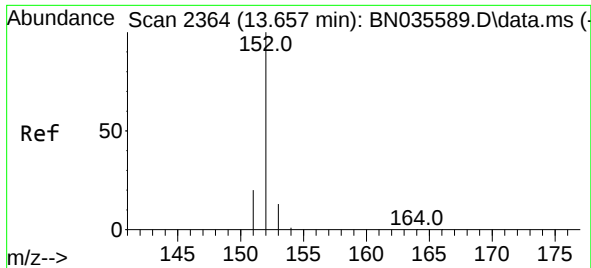


#8
1-Methylnaphthalene
Concen: 0.304 ng/ul
RT: 11.950 min Scan# 2045
Delta R.T. 0.006 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41



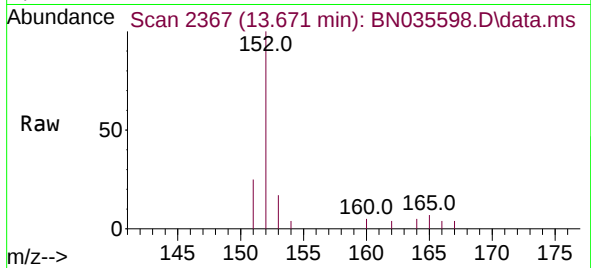
Tgt Ion:142 Resp: 2830
Ion Ratio Lower Upper
142 100
141 92.1 73.1 109.7





#10
Acenaphthylene
Concen: 0.323 ng/u1
RT: 13.671 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

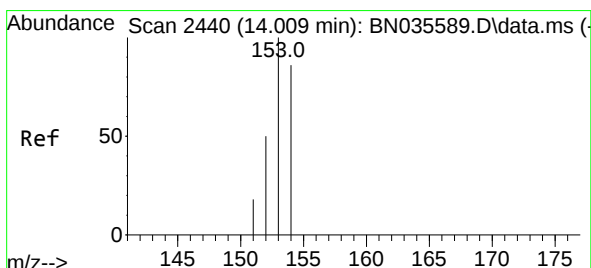
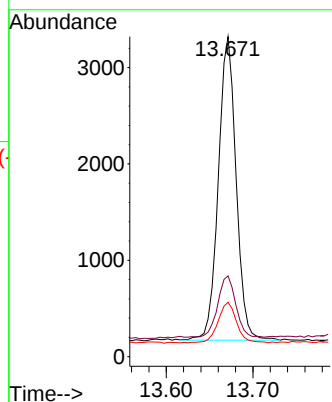
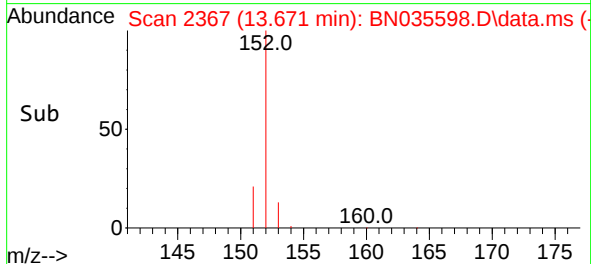
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:152 Resp: 4502
Ion Ratio Lower Upper
152 100
151 25.3 16.4 24.6
153 17.0 11.1 16.7

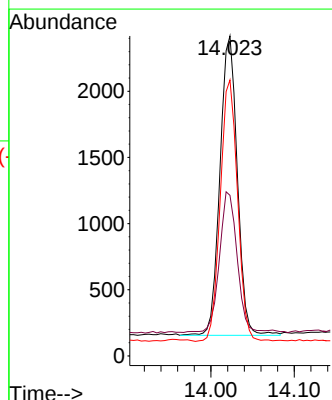
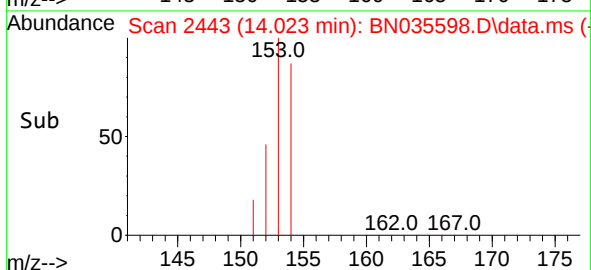
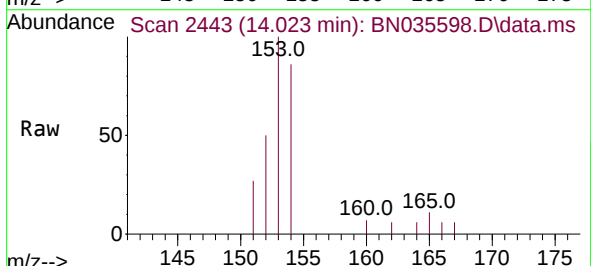
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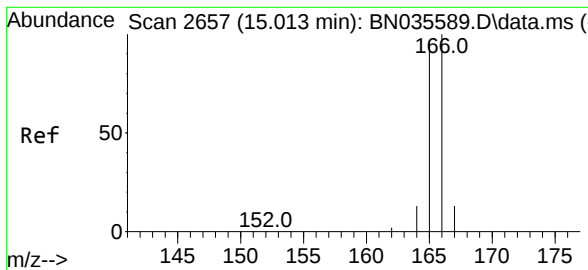
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#11
Acenaphthene
Concen: 0.306 ng/u1
RT: 14.023 min Scan# 2443
Delta R.T. 0.009 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

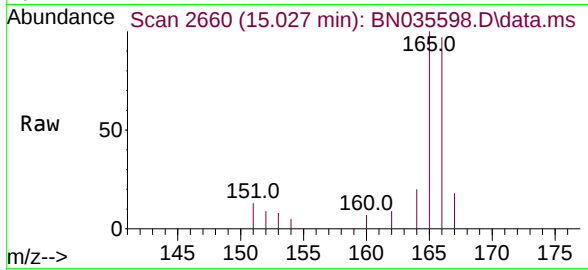
Tgt Ion:153 Resp: 3269
Ion Ratio Lower Upper
153 100
152 50.2 41.4 62.0
154 86.3 71.2 106.8





#12
Fluorene
Concen: 0.307 ng/ul
RT: 15.027 min Scan# 2660
Delta R.T. 0.009 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

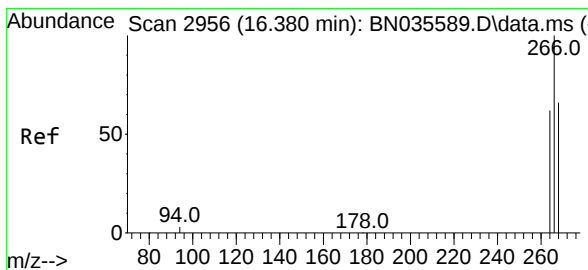
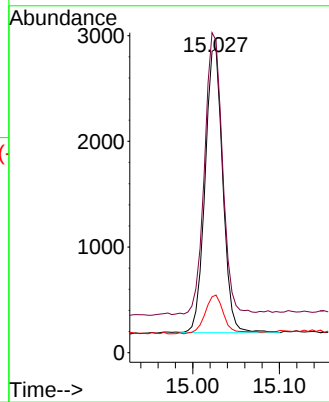
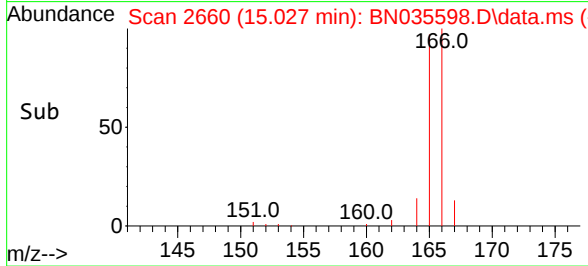
Instrument :
BNA_N
ClientSampleId :
SLCS482



Tgt Ion:166 Resp: 3839
Ion Ratio Lower Upper
166 100
165 102.8 78.6 118.0
167 18.9 11.8 17.6

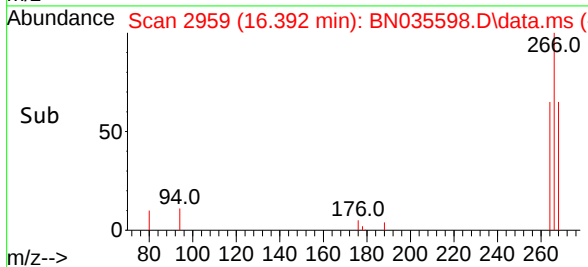
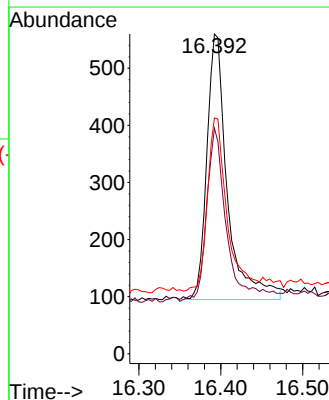
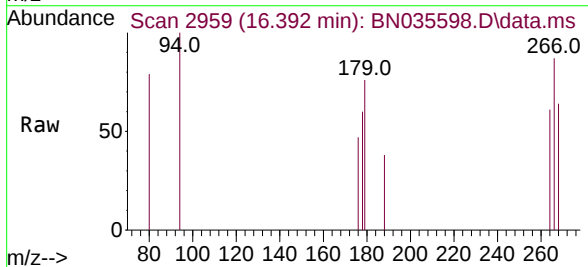
Manual Integrations
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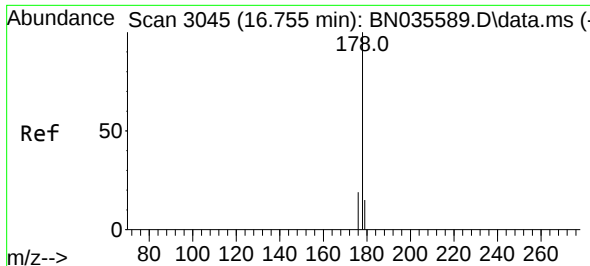
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#14
Pentachlorophenol
Concen: 0.499 ng/ul
RT: 16.392 min Scan# 2959
Delta R.T. 0.013 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

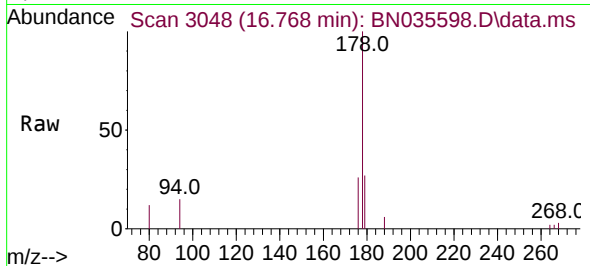
Tgt Ion:266 Resp: 813
Ion Ratio Lower Upper
266 100
264 63.6 51.8 77.6
268 61.7 51.3 76.9





#15
Phenanthrene
Concen: 0.326 ng/u1
RT: 16.768 min Scan# 3045
Delta R.T. 0.009 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

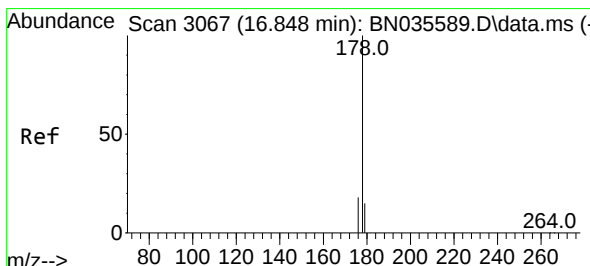
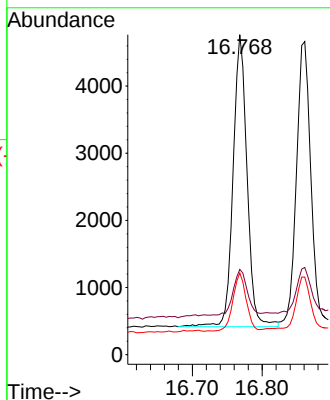
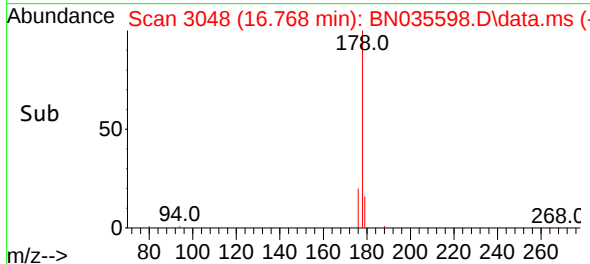
Instrument :
BNA_N
ClientSampleId :
SLCS482



Tgt Ion:178 Resp: 6024
Ion Ratio Lower Upper
178 100
179 26.6 12.9 19.3#
176 25.5 15.6 23.4#

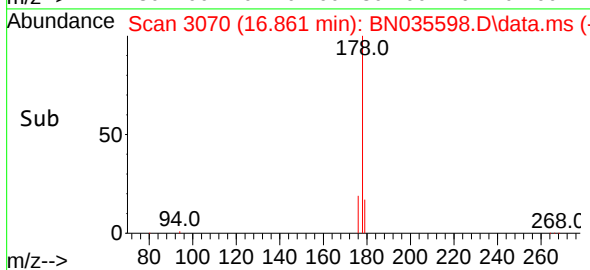
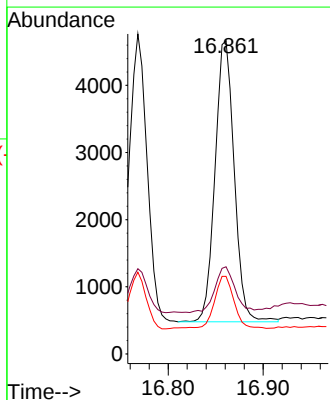
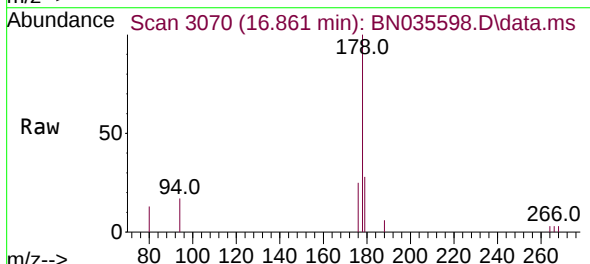
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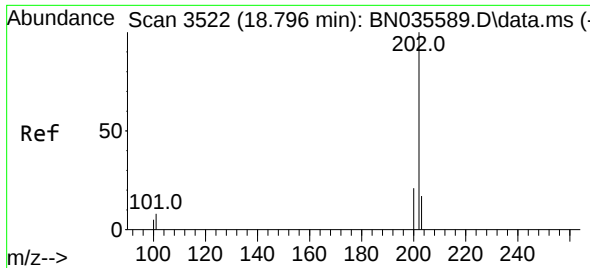
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#16
Anthracene
Concen: 0.343 ng/u1
RT: 16.861 min Scan# 3070
Delta R.T. 0.013 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

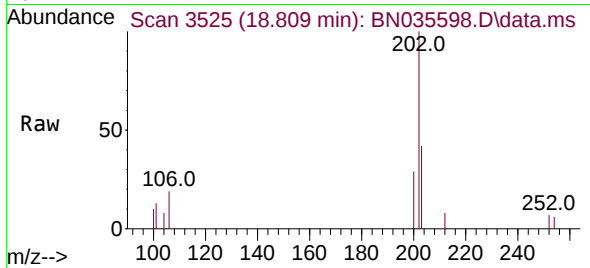
Tgt Ion:178 Resp: 5894
Ion Ratio Lower Upper
178 100
179 27.9 12.9 19.3#
176 24.8 15.4 23.2#





#19
Fluoranthene
Concen: 0.371 ng/ul
RT: 18.809 min Scan# 3525
Delta R.T. 0.009 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

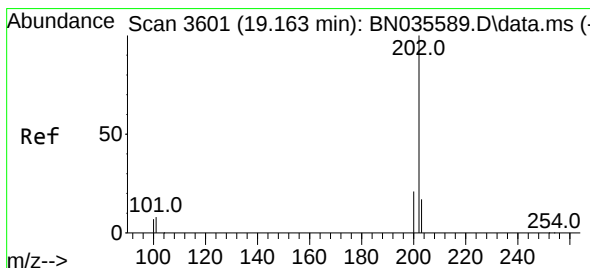
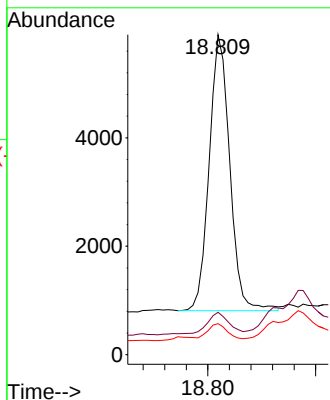
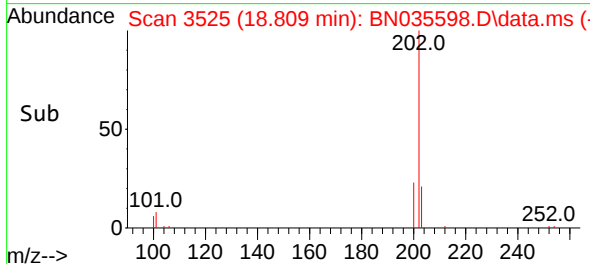
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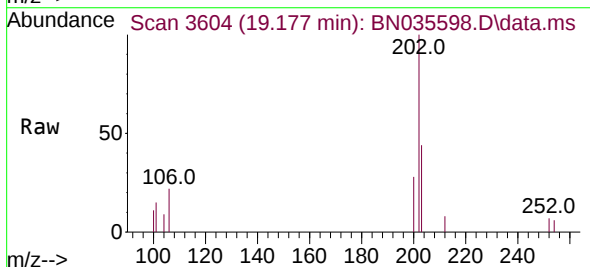
Tgt Ion:202 Resp: 6745
Ion Ratio Lower Upper
202 100
101 13.3 5.8 8.6#
100 9.7 4.5 6.7#

Manual Integrations
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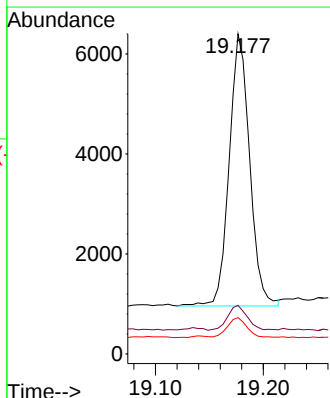
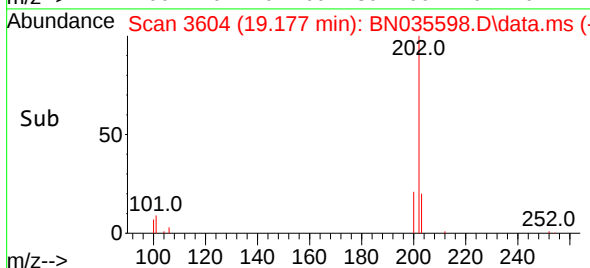
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024

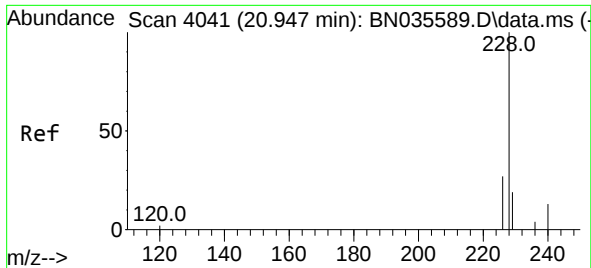


#20
Pyrene
Concen: 0.380 ng/ul
RT: 19.177 min Scan# 3604
Delta R.T. 0.009 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41



Tgt Ion:202 Resp: 7177
Ion Ratio Lower Upper
202 100
101 15.2 6.2 9.4#
100 11.4 5.1 7.7#





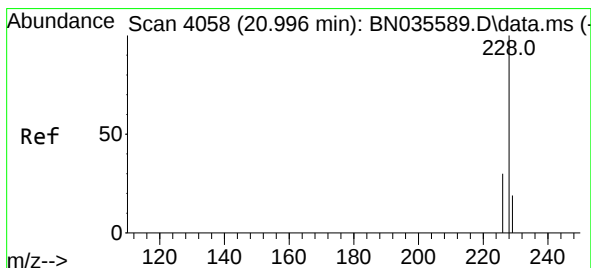
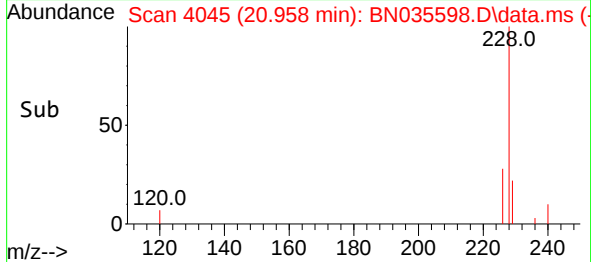
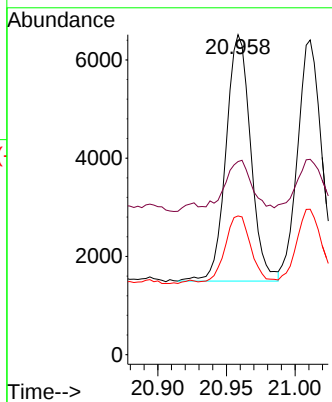
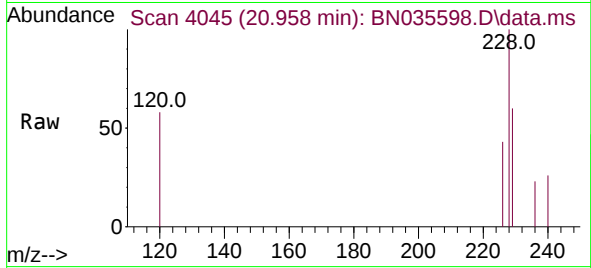
#21
Benzo(a)anthracene
Concen: 0.347 ng/ul
RT: 20.958 min Scan# 4063
Delta R.T. 0.012 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:228 Resp: 6279
Ion Ratio Lower Upper
228 100
229 60.3 15.8 23.8
226 43.4 21.8 32.8

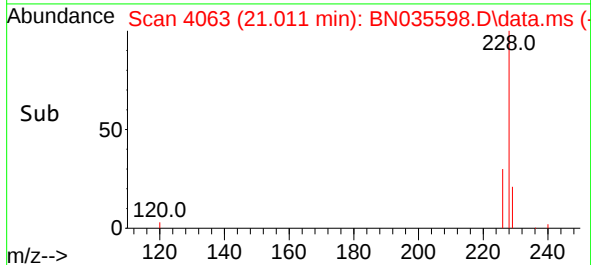
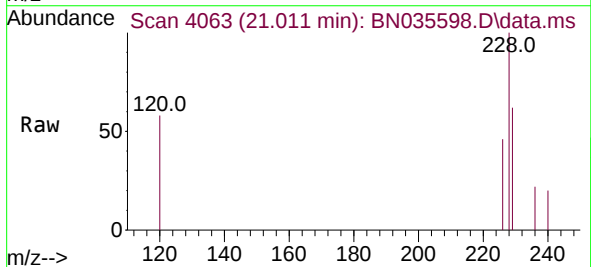
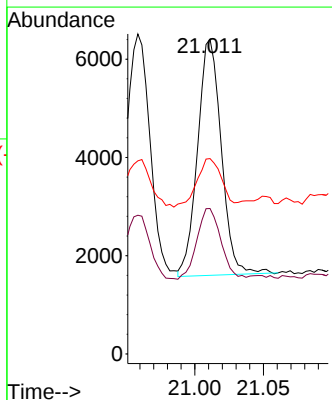
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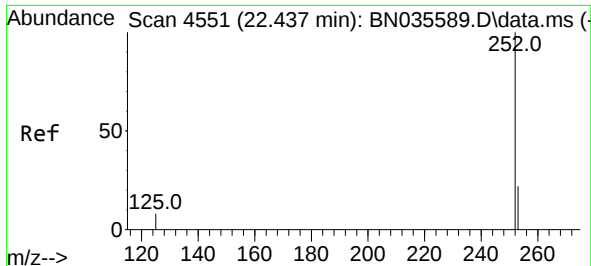
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#22
Chrysene
Concen: 0.318 ng/ul
RT: 21.011 min Scan# 4063
Delta R.T. 0.015 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

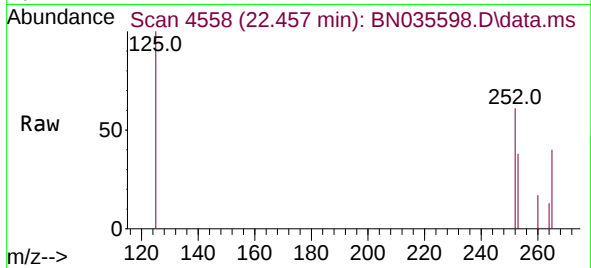
Tgt Ion:228 Resp: 5786
Ion Ratio Lower Upper
228 100
226 46.2 24.7 37.1#
229 62.1 16.0 24.0#





#24
Benzo(b)fluoranthene
Concen: 0.318 ng/ul
RT: 22.457 min Scan# 4558
Delta R.T. 0.018 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

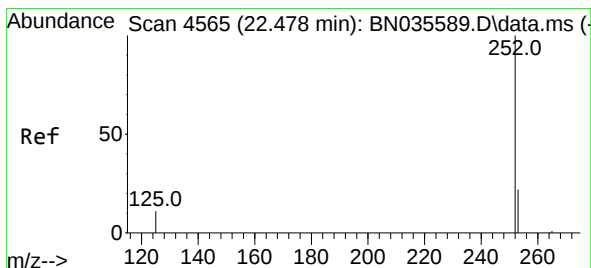
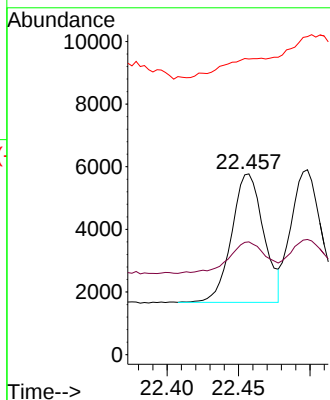
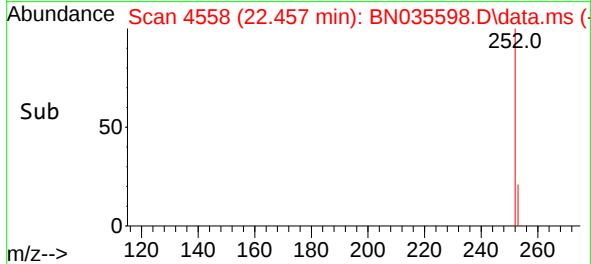
Instrument :
BNA_N
ClientSampleId :
SLCS482



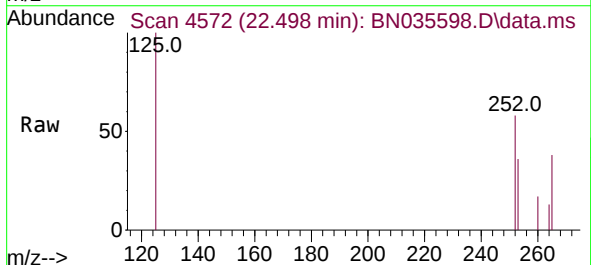
Tgt Ion:252 Resp: 6420
Ion Ratio Lower Upper
252 100
253 62.4 0.0 54.0#
125 163.5 0.0 19.4#

Manual Integrations
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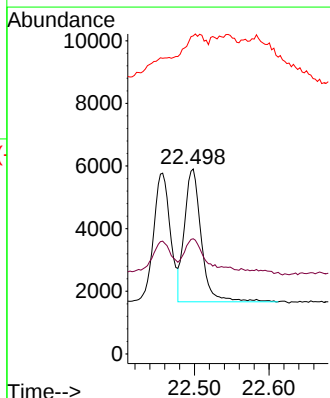
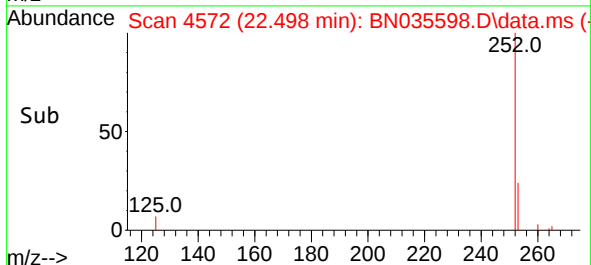
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024

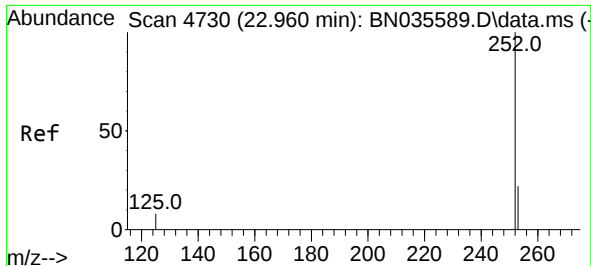


#25
Benzo(k)fluoranthene
Concen: 0.318 ng/ul
RT: 22.498 min Scan# 4572
Delta R.T. 0.018 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41



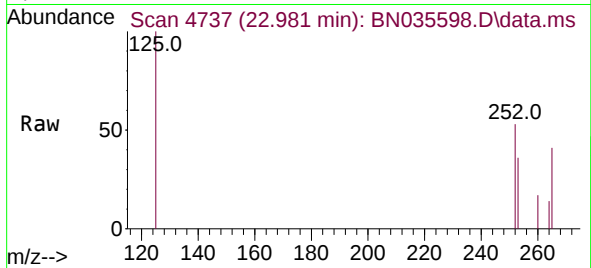
Tgt Ion:252 Resp: 6630
Ion Ratio Lower Upper
252 100
253 62.3 21.8 32.6#
125 171.9 8.6 12.8#





#26
Benzo(a)pyrene
Concen: 0.310 ng/ul
RT: 22.981 min Scan# 4737
Delta R.T. 0.021 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

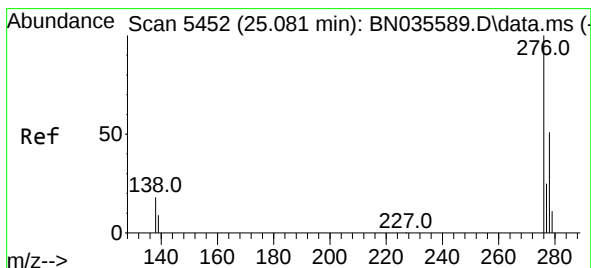
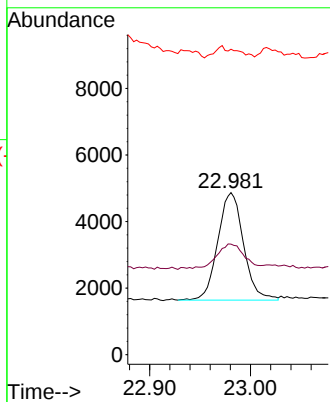
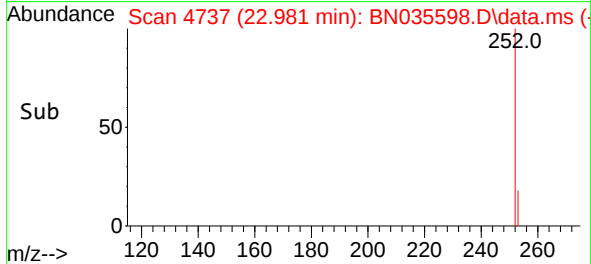
Instrument :
BNA_N
ClientSampleId :
SLCS482



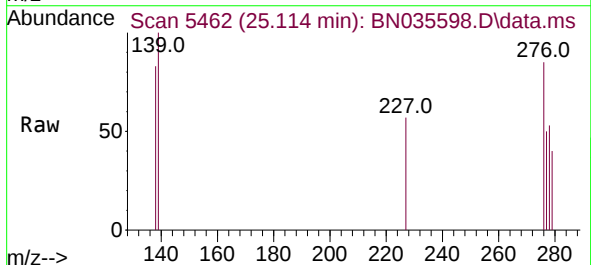
Tgt Ion:252 Resp: 5729
Ion Ratio Lower Upper
252 100
253 68.2 22.9 34.3#
125 188.5 9.4 14.2#

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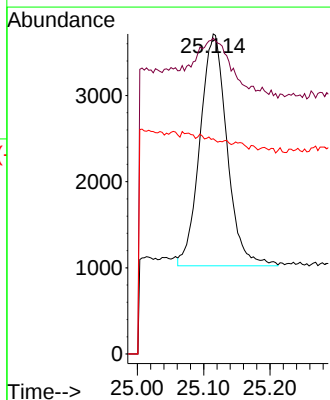
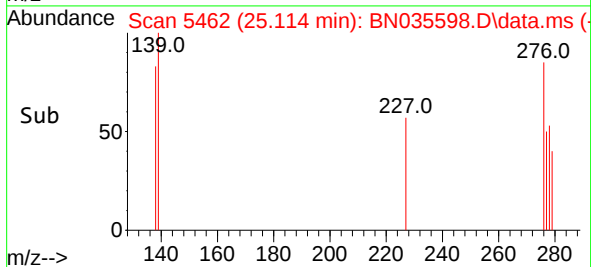
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024

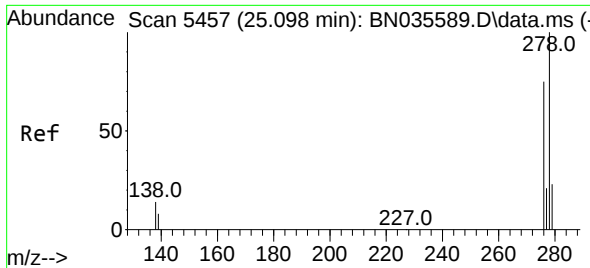


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.305 ng/ul m
RT: 25.114 min Scan# 5462
Delta R.T. 0.034 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41



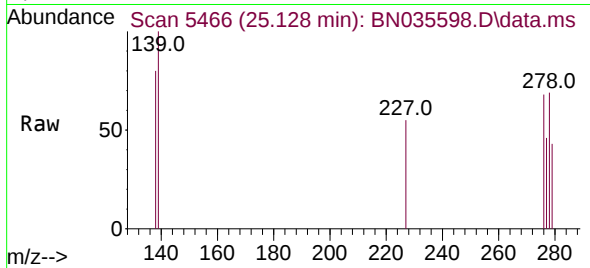
Tgt Ion:276 Resp: 7618
Ion Ratio Lower Upper
276 100
138 729.5 13.8 20.8#
227 0.0 0.2 0.4#





#28
Dibenzo(a,h)anthracene
Concen: 0.283 ng/ul m
RT: 25.128 min Scan# 5457
Delta R.T. 0.027 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

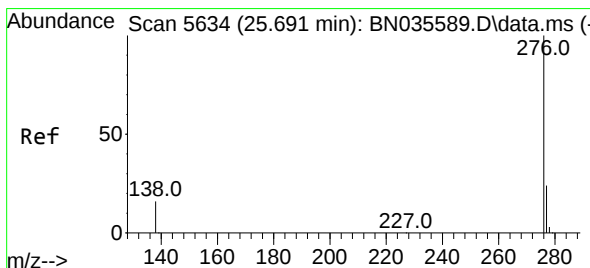
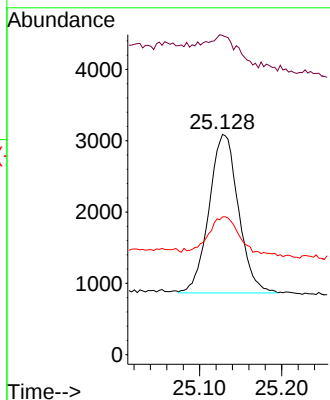
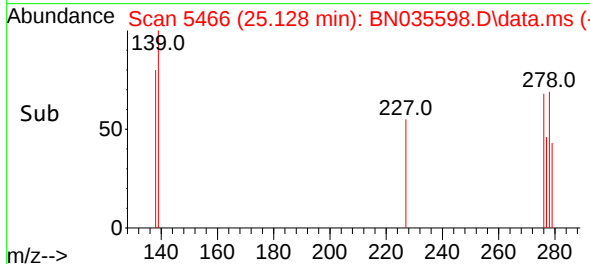
Instrument :
BNA_N
ClientSampleId :
SLCS482



Tgt Ion:278 Resp: 553
Ion Ratio Lower Upper
278 100
139 144.9 10.7 16.1#
279 62.5 22.8 34.2#

Manual Integrations
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Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#29
Benzo(g,h,i)perylene
Concen: 0.293 ng/ul
RT: 25.732 min Scan# 5646
Delta R.T. 0.040 min
Lab File: BN035598.D
Acq: 13 Dec 2024 15:41

Tgt Ion:276 Resp: 5770
Ion Ratio Lower Upper
276 100
138 108.9 13.0 19.6#
277 63.9 20.5 30.7#

