

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035631.D
 Acq On : 17 Dec 2024 00:12
 Operator : RC/JU
 Sample : P5232-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28S2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 17 00:40:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:26:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	2424	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	7361	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	5006	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	10508	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.961	240	8810	0.400	ng/ul	# 0.00
23) Perylene-d12	23.048	264	9058	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	6553	3.049	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	2118	0.202	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	5093	0.198	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.075	128	13419	0.743	ng/ul	97
7) 2-Methylnaphthalene	11.708	142	6153	0.506	ng/ul	98
8) 1-Methylnaphthalene	11.934	142	3032	0.241	ng/ul	98
10) Acenaphthylene	13.657	152	2783	0.143	ng/ul#	88
11) Acenaphthene	14.009	153	794	0.054	ng/ul#	93
12) Fluorene	15.013	166	2172	0.127	ng/ul#	92
14) Pentachlorophenol	16.380	266	101	0.037	ng/ul#	81
15) Phenanthrene	16.755	178	36241	1.378	ng/ul	99
16) Anthracene	16.848	178	7828	0.318	ng/ul#	93
19) Fluoranthene	18.795	202	44198	1.403	ng/ul	99
20) Pyrene	19.167	202	42244	1.217	ng/ul	98
21) Benzo(a)anthracene	20.944	228	26054	0.892	ng/ul#	91
22) Chrysene	20.996	228	36270	1.196	ng/ul#	95
24) Benzo(b)fluoranthene	22.440	252	55570m	2.082	ng/ul	
25) Benzo(k)fluoranthene	22.475	252	16462m	0.558	ng/ul	
26) Benzo(a)pyrene	22.957	252	35349	1.367	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.077	276	31858m	1.012	ng/ul	
28) Dibenzo(a,h)anthracene	25.088	278	7844m	0.326	ng/ul	
29) Benzo(g,h,i)perylene	25.695	276	37420	1.482	ng/ul	97

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

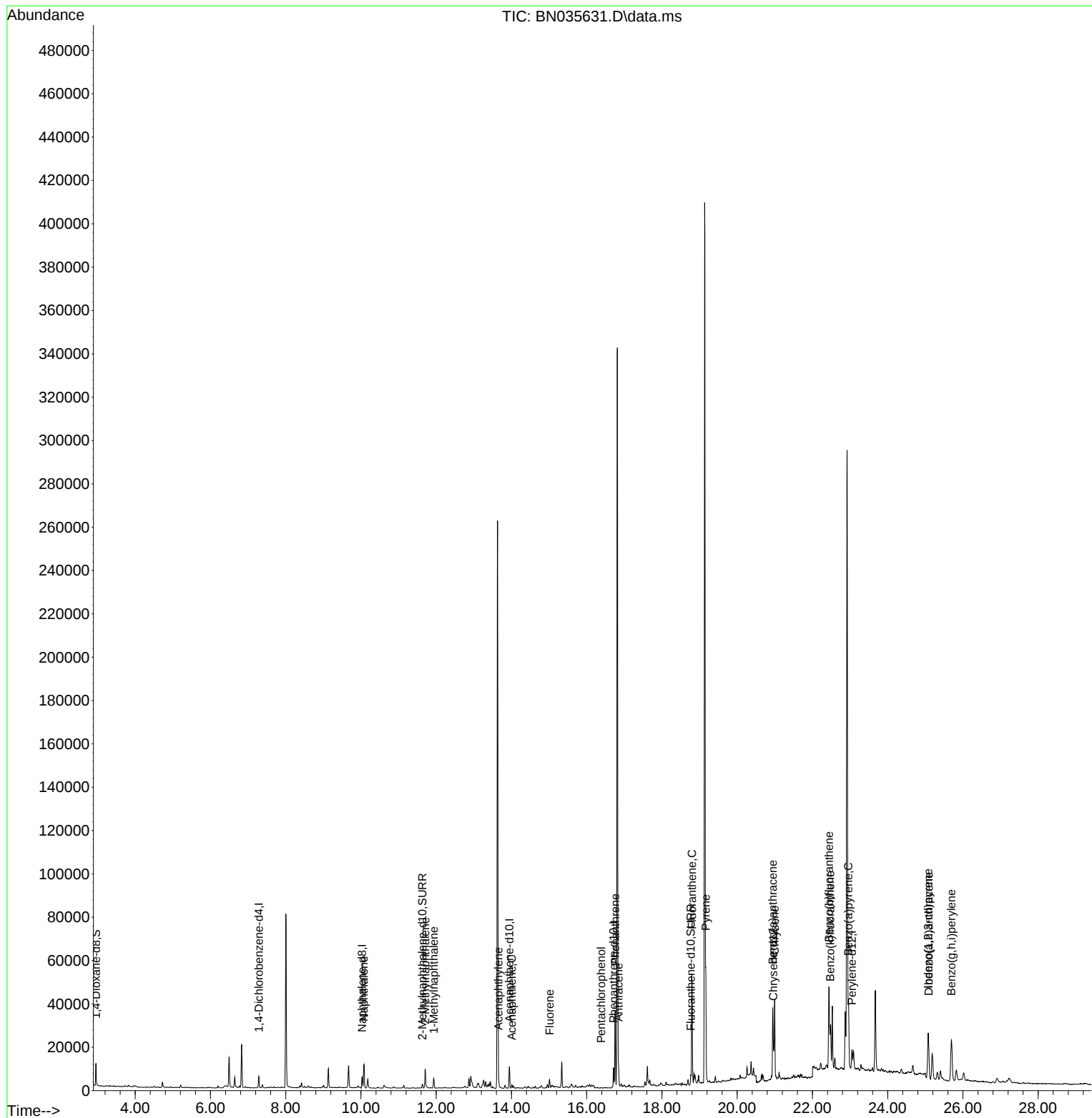
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035631.D
Acq On : 17 Dec 2024 00:12
Operator : RC/JU
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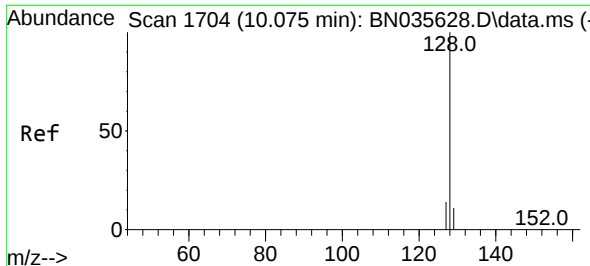
Instrument :
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E28S2

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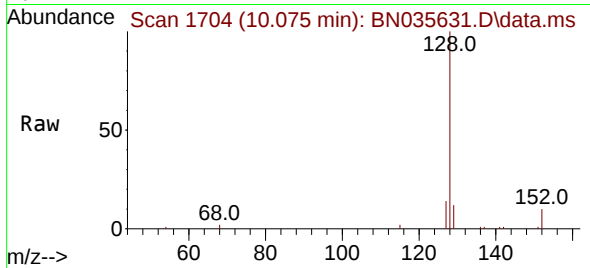
Quant Time: Dec 17 00:40:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.743 ng/ul
RT: 10.075 min Scan# 1704
Delta R.T. -0.005 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12

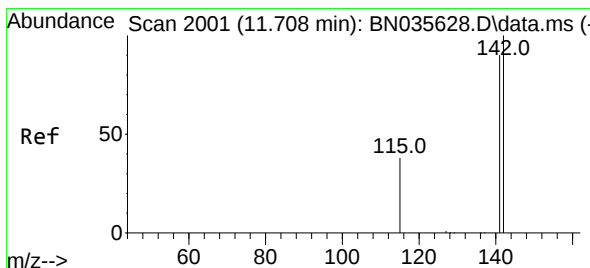
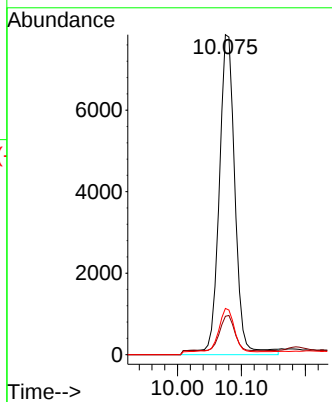
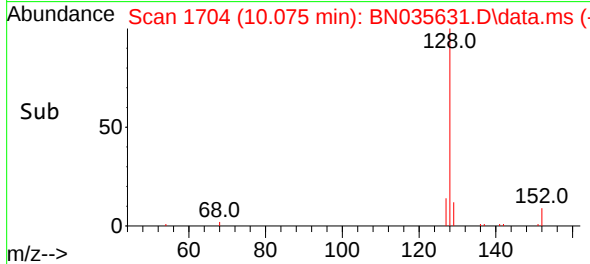
Instrument :
BNA_N
ClientSampleId :
E28S2



Tgt Ion:128 Resp: 13419
Ion Ratio Lower Upper
128 100
129 12.0 10.8 16.2
127 14.4 12.0 18.0

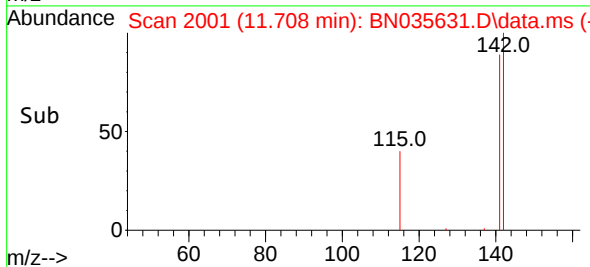
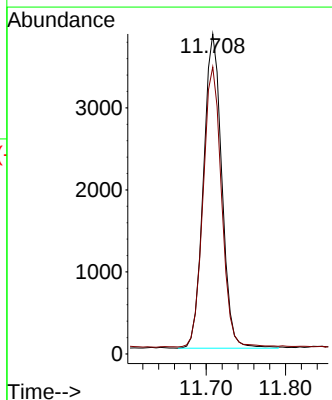
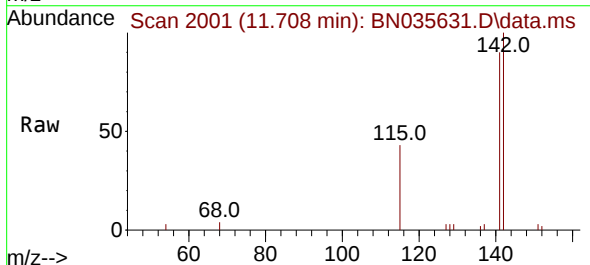
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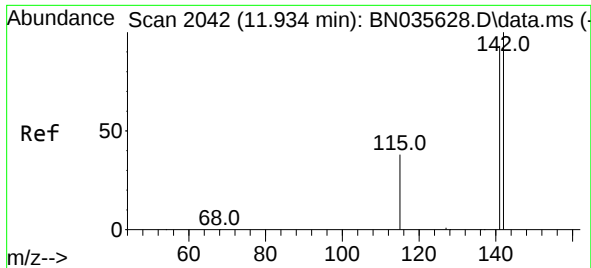
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#7
2-Methylnaphthalene
Concen: 0.506 ng/ul
RT: 11.708 min Scan# 2001
Delta R.T. -0.005 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12

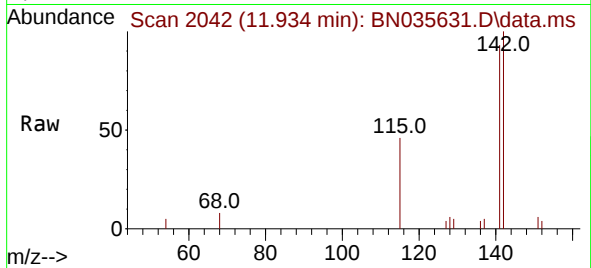
Tgt Ion:142 Resp: 6153
Ion Ratio Lower Upper
142 100
141 89.3 72.8 109.2





#8
1-Methylnaphthalene
Concen: 0.241 ng/ul
RT: 11.934 min Scan# 2042
Delta R.T. -0.005 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12

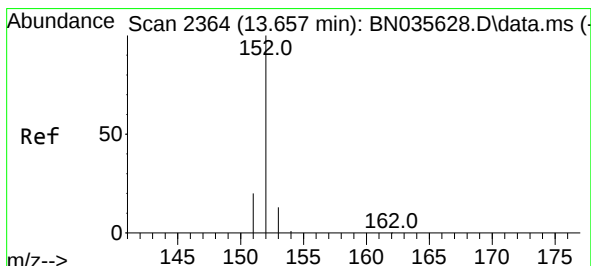
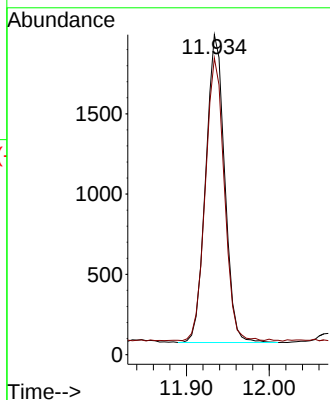
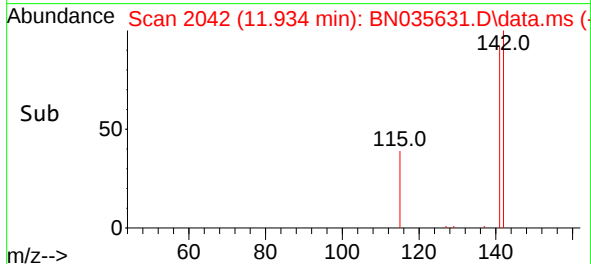
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:142 Resp: 303
Ion Ratio Lower Upper
142 100
141 91.7 74.7 112.1

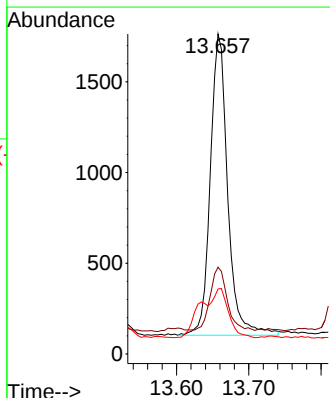
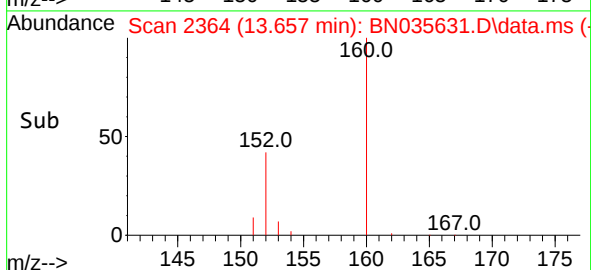
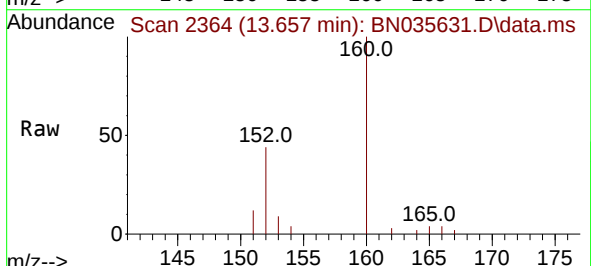
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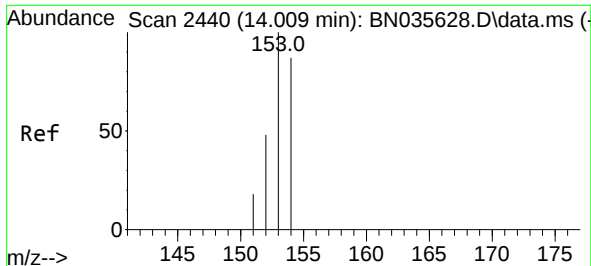
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#10
Acenaphthylene
Concen: 0.143 ng/ul
RT: 13.657 min Scan# 2364
Delta R.T. -0.005 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12

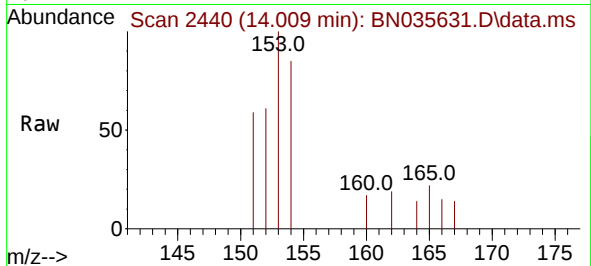
Tgt Ion:152 Resp: 2783
Ion Ratio Lower Upper
152 100
151 27.1 17.6 26.4#
153 20.3 11.4 17.2#





#11
Acenaphthene
Concen: 0.054 ng/u1
RT: 14.009 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12

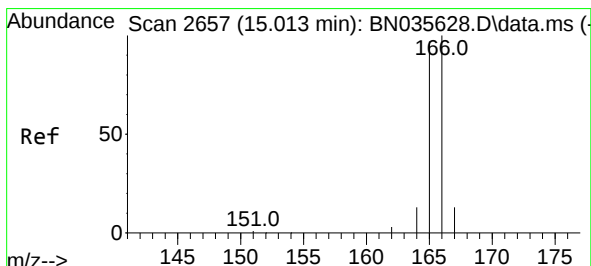
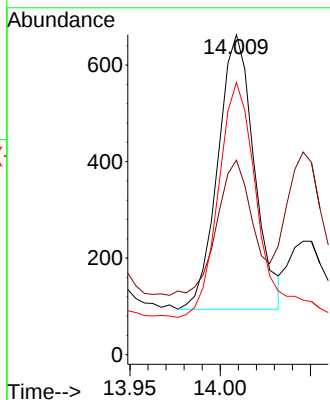
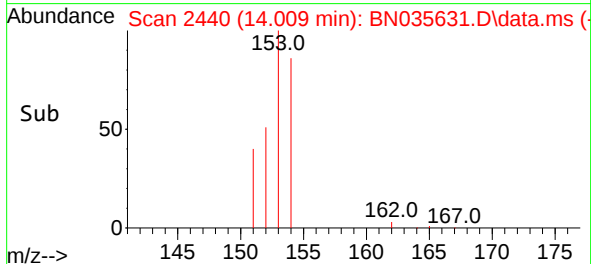
Instrument :
BNA_N
ClientSampleId :
E28S2



Tgt Ion:153 Resp: 794
Ion Ratio Lower Upper
153 100
152 60.8 39.8 59.6
154 85.1 69.8 104.8

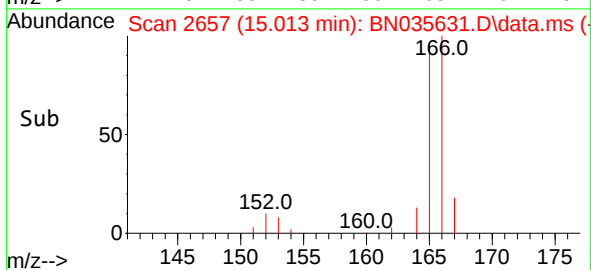
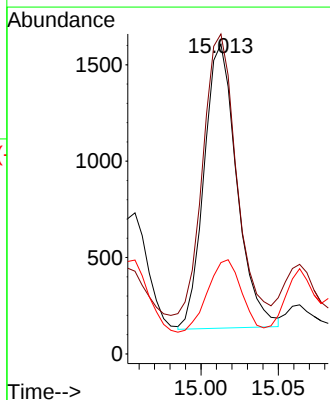
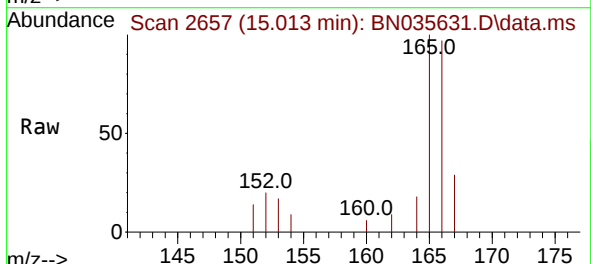
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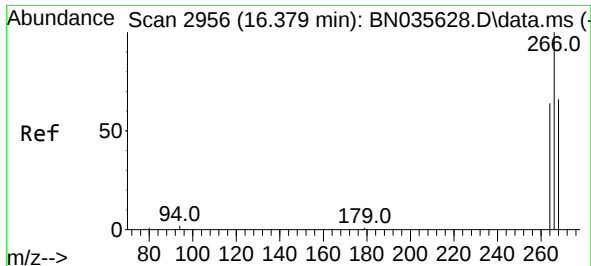
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#12
Fluorene
Concen: 0.127 ng/u1
RT: 15.013 min Scan# 2657
Delta R.T. 0.000 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12

Tgt Ion:166 Resp: 2172
Ion Ratio Lower Upper
166 100
165 103.3 79.5 119.3
167 29.5 11.8 17.8#





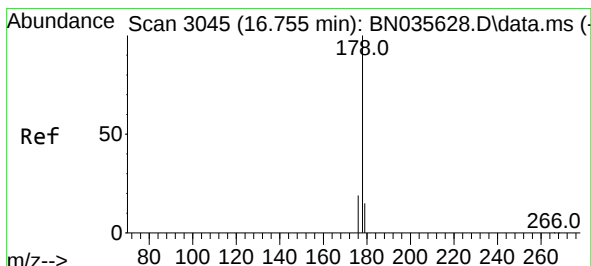
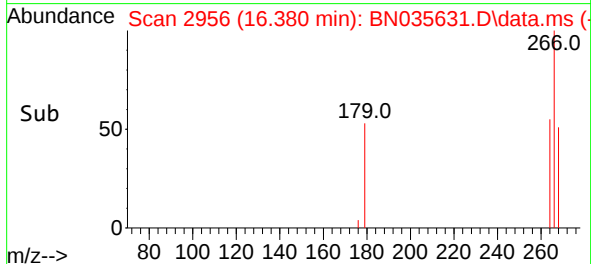
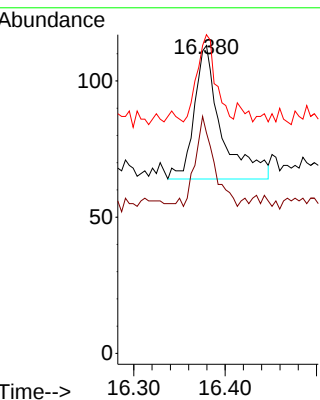
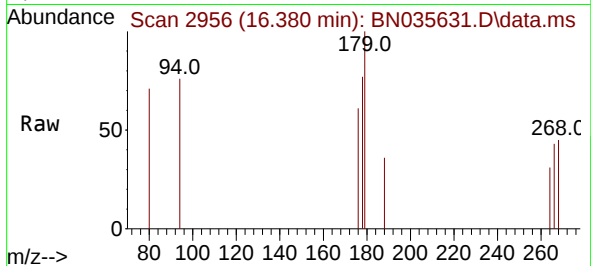
#14
Pentachlorophenol
Concen: 0.037 ng/ul
RT: 16.380 min Scan# 2956
Delta R.T. 0.000 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12

Instrument :
BNA_N
ClientSampleId :
E28S2

Tgt Ion:266 Resp: 100
Ion Ratio Lower Upper
266 100
264 52.5 49.9 74.9
268 45.5 52.8 79.2

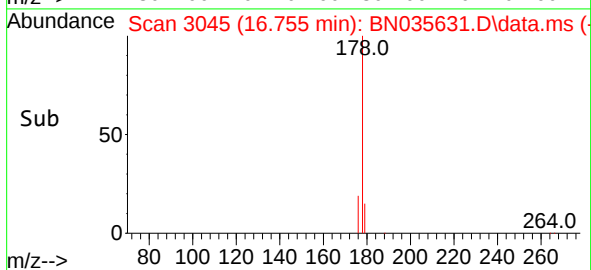
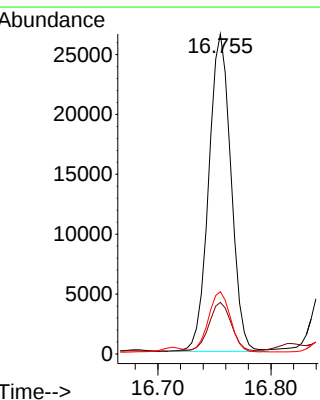
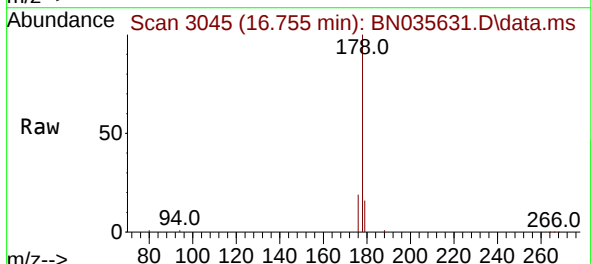
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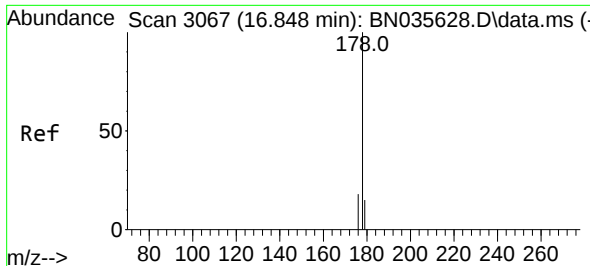
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#15
Phenanthrene
Concen: 1.378 ng/ul
RT: 16.755 min Scan# 3045
Delta R.T. -0.004 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12

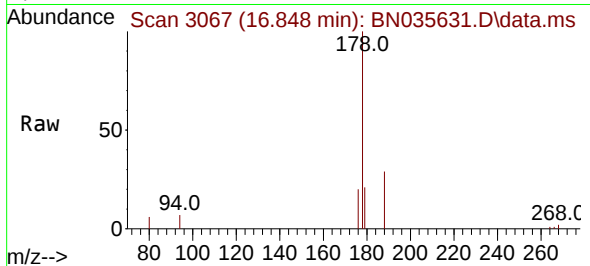
Tgt Ion:178 Resp: 36241
Ion Ratio Lower Upper
178 100
179 16.1 13.3 19.9
176 19.5 15.8 23.8





#16
 Anthracene
 Concen: 0.318 ng/ul
 RT: 16.848 min Scan# 3067
 Delta R.T. 0.000 min
 Lab File: BN035631.D
 Acq: 17 Dec 2024 00:12

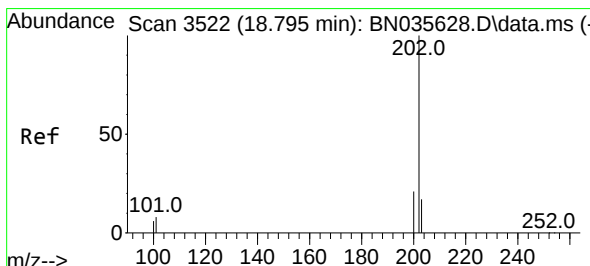
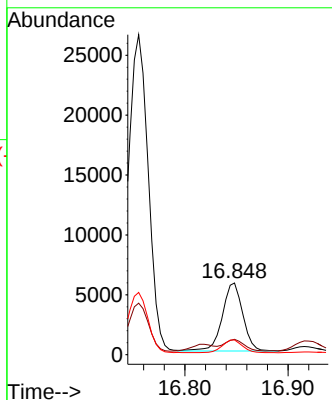
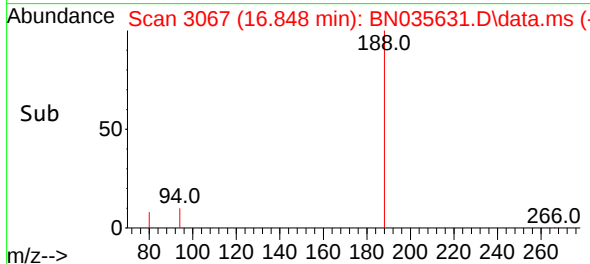
Instrument :
 BNA_N
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 E28S2



Tgt Ion:178 Resp: 7828
 Ion Ratio Lower Upper
 178 100
 179 21.4 13.4 20.0
 176 20.4 15.4 23.0

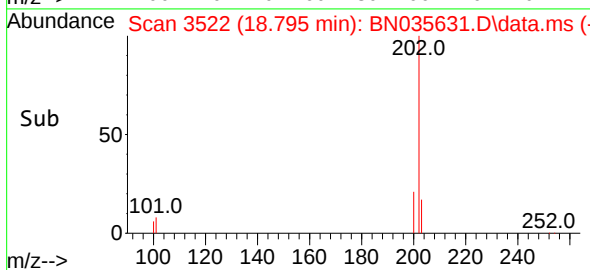
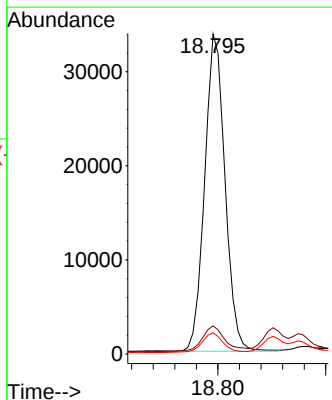
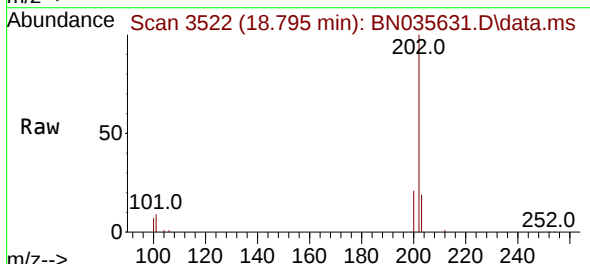
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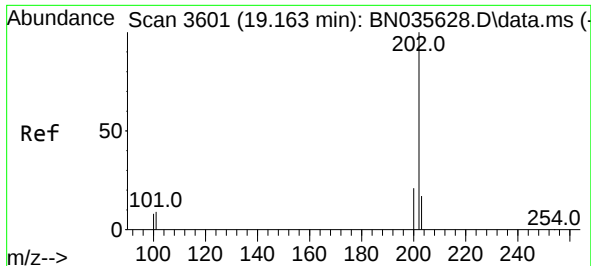
Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/21/2024



#19
 Fluoranthene
 Concen: 1.403 ng/ul
 RT: 18.795 min Scan# 3522
 Delta R.T. -0.005 min
 Lab File: BN035631.D
 Acq: 17 Dec 2024 00:12

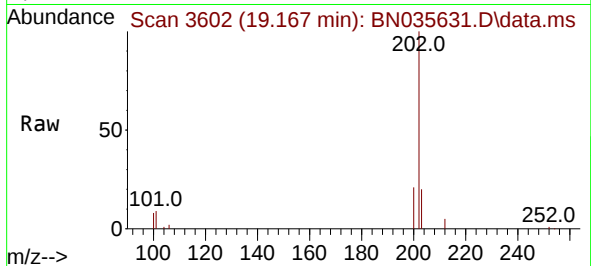
Tgt Ion:202 Resp: 44198
 Ion Ratio Lower Upper
 202 100
 101 8.8 7.3 10.9
 100 6.6 5.4 8.0





#20
Pyrene
Concen: 1.217 ng/ul
RT: 19.167 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12

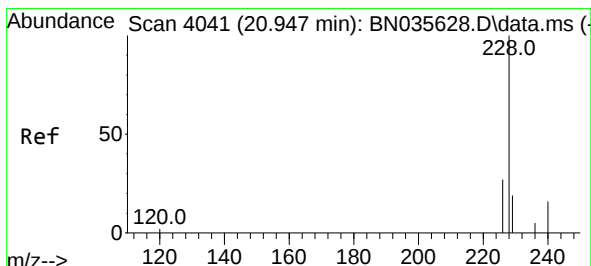
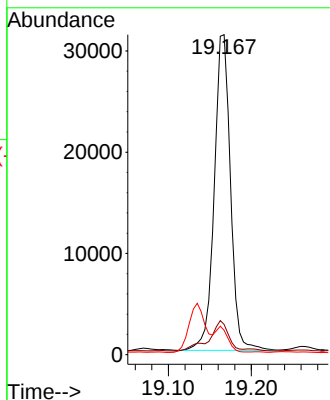
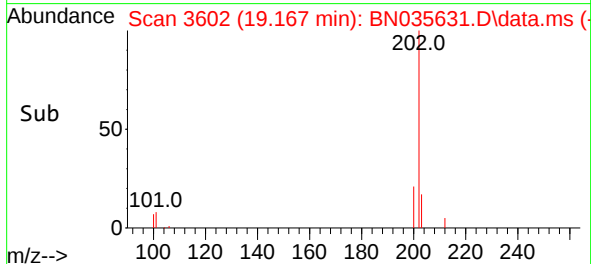
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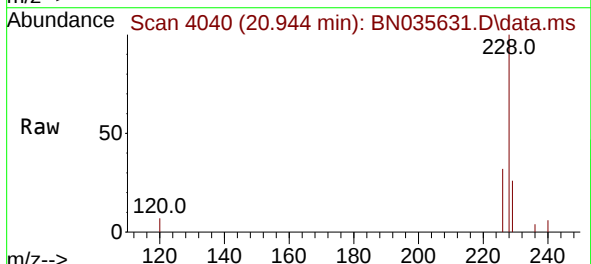
Tgt Ion:202 Resp: 4224
Ion Ratio Lower Upper
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101 9.5 8.5 12.7
100 7.6 6.5 9.7

Manual Integrations
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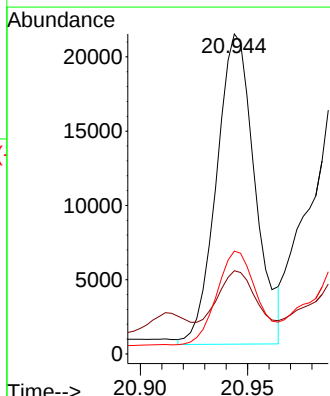
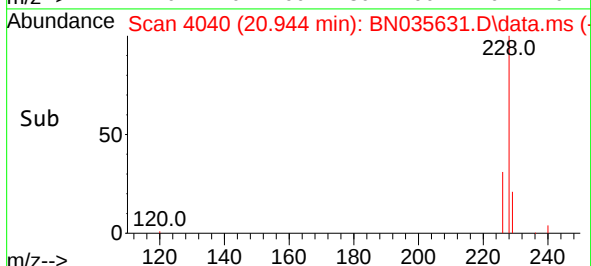
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

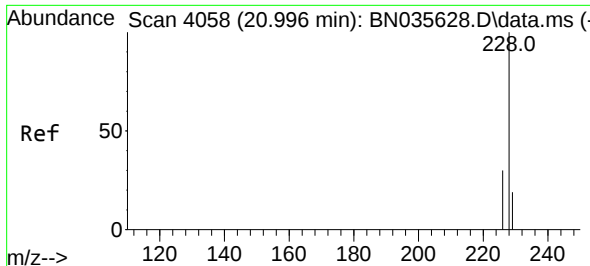


#21
Benzo(a)anthracene
Concen: 0.892 ng/ul
RT: 20.944 min Scan# 4040
Delta R.T. -0.006 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12



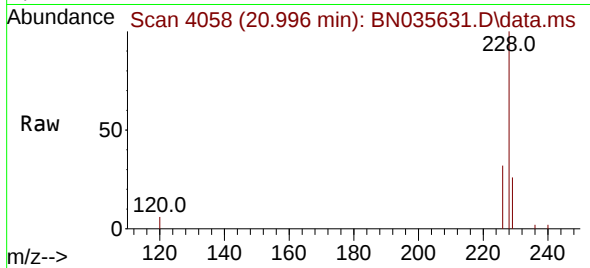
Tgt Ion:228 Resp: 26054
Ion Ratio Lower Upper
228 100
229 26.0 16.6 25.0#
226 32.1 22.5 33.7





#22
Chrysene
Concen: 1.196 ng/ul
RT: 20.996 min Scan# 4058
Delta R.T. -0.003 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12

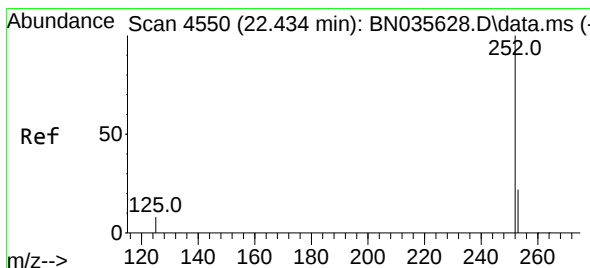
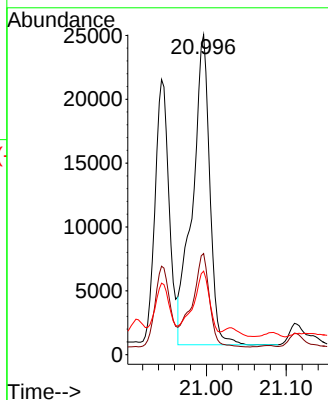
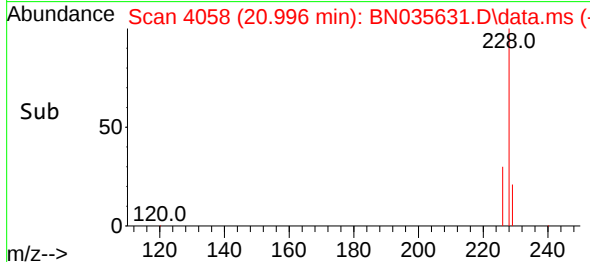
Instrument :
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E28S2



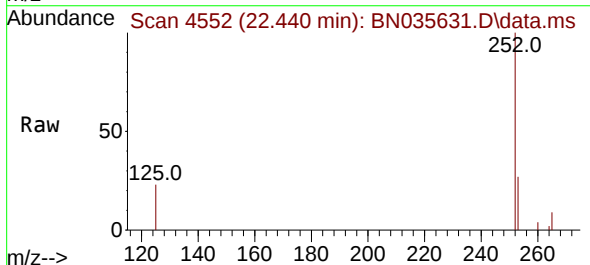
Tgt Ion:228 Resp: 36270
Ion Ratio Lower Upper
228 100
226 31.6 25.1 37.7
229 26.1 16.6 24.8

Manual Integrations
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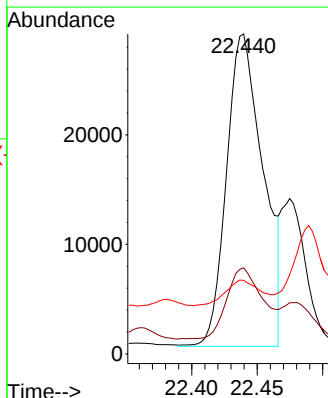
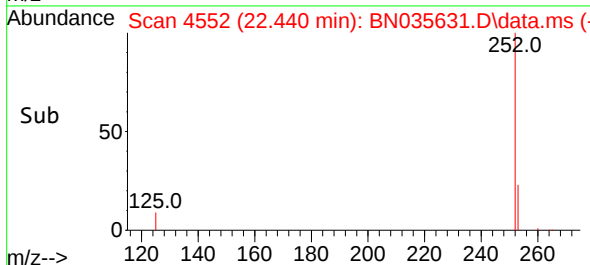
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

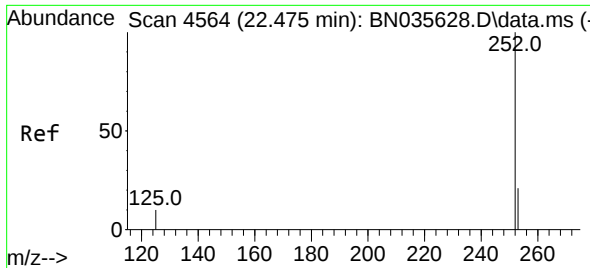


#24
Benzo(b)fluoranthene
Concen: 2.082 ng/ul m
RT: 22.440 min Scan# 4552
Delta R.T. -0.003 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12



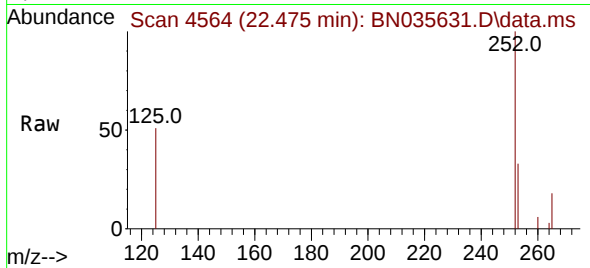
Tgt Ion:252 Resp: 55570
Ion Ratio Lower Upper
252 100
253 26.9 0.0 56.4
125 23.0 0.0 37.6





#25
Benzo(k)fluoranthene
Concen: 0.558 ng/ul m
RT: 22.475 min Scan# 4564
Delta R.T. -0.006 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12

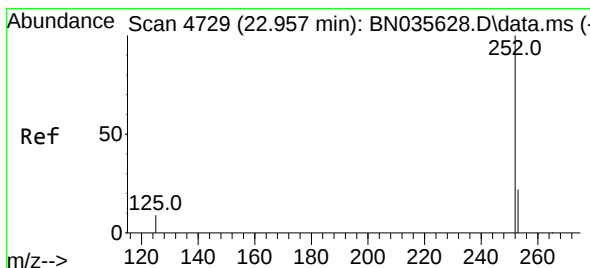
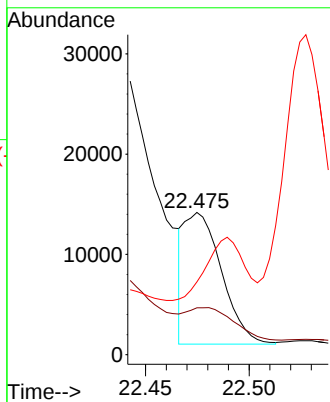
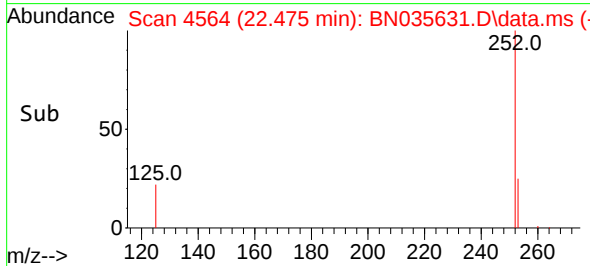
Instrument :
BNA_N
ClientSampleId :
E28S2



Tgt Ion:252 Resp: 16462
Ion Ratio Lower Upper
252 100
253 32.9 22.1 33.1
125 51.2 15.3 22.9

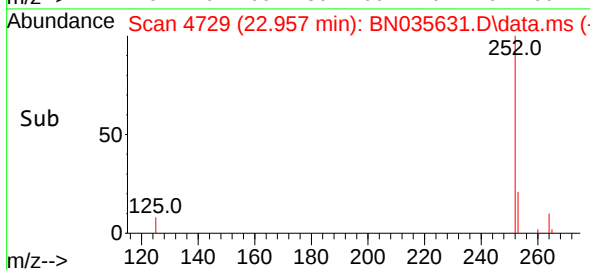
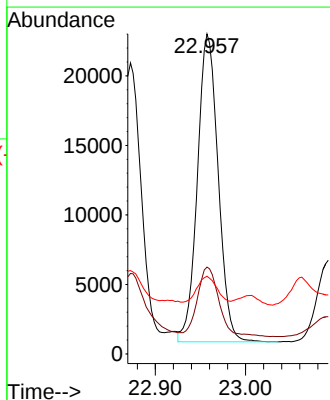
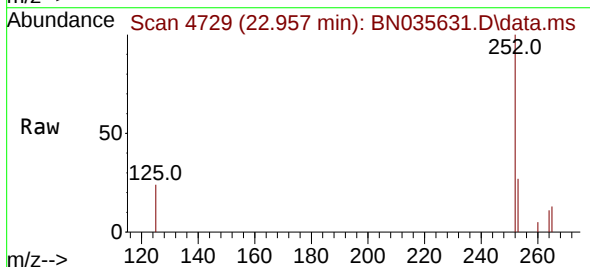
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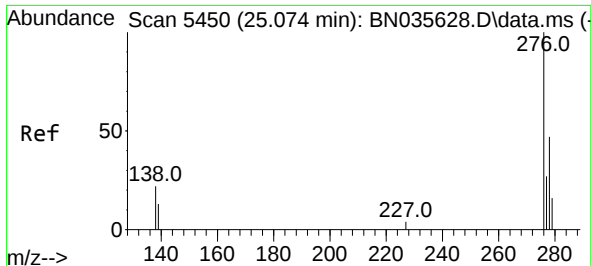
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#26
Benzo(a)pyrene
Concen: 1.367 ng/ul
RT: 22.957 min Scan# 4729
Delta R.T. -0.006 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12

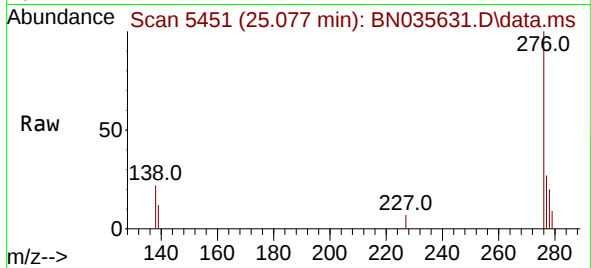
Tgt Ion:252 Resp: 35349
Ion Ratio Lower Upper
252 100
253 27.2 24.1 36.1
125 24.3 19.1 28.7





#27
Indeno(1,2,3-cd)pyrene
Concen: 1.012 ng/ul m
RT: 25.077 min Scan# 5450
Delta R.T. -0.003 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12

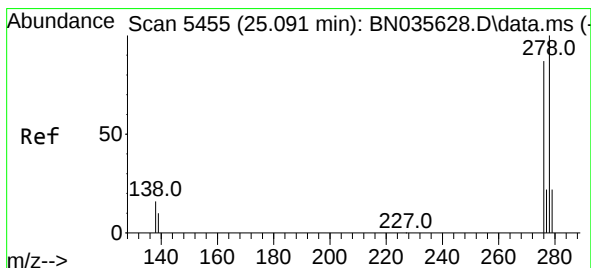
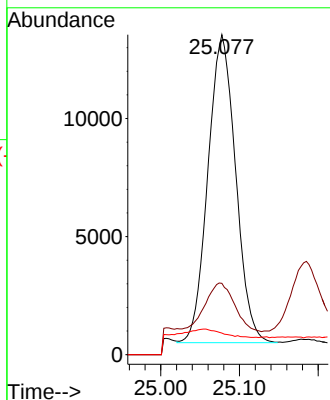
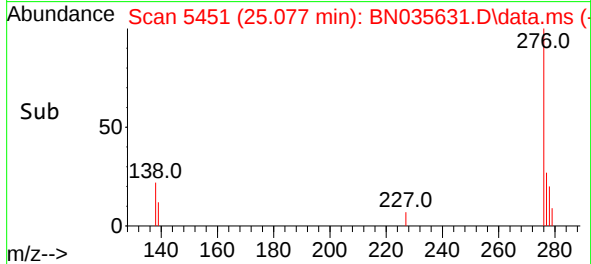
Instrument :
BNA_N
ClientSampleId :
E28S2



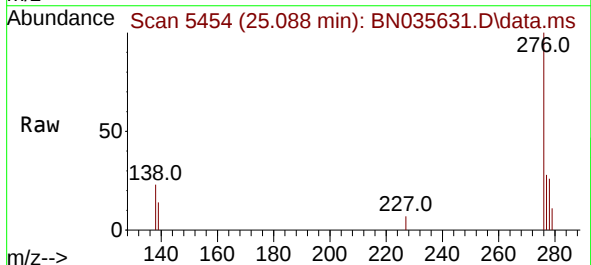
Tgt Ion: 276 Resp: 3185
Ion Ratio Lower Upper
276 100
138 14.9 14.7 22.1
227 0.0 21.6 32.4

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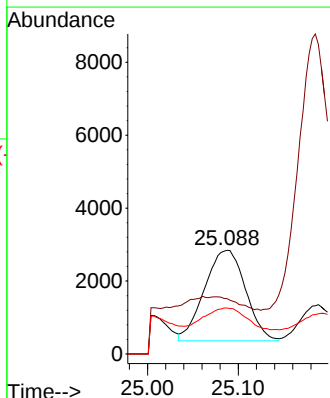
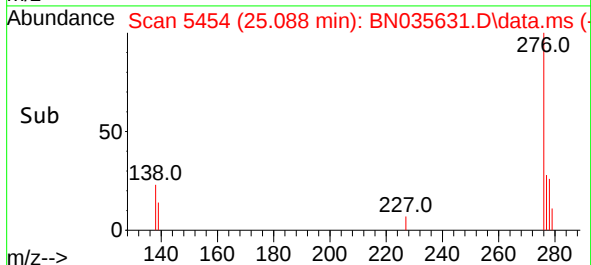
Reviewed By : Yogesh Patel 12/18/2024
Supervised By : mohammad ahmed 12/21/2024

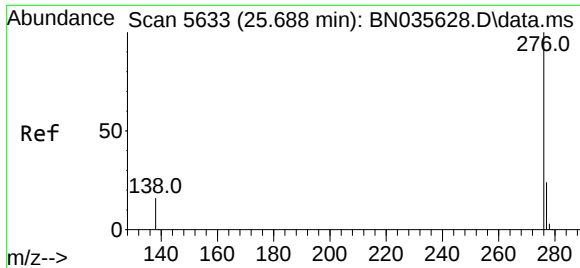


#28
Dibenzo(a,h)anthracene
Concen: 0.326 ng/ul m
RT: 25.088 min Scan# 5454
Delta R.T. -0.013 min
Lab File: BN035631.D
Acq: 17 Dec 2024 00:12



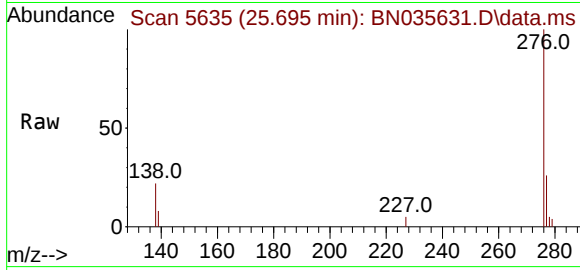
Tgt Ion: 278 Resp: 7844
Ion Ratio Lower Upper
278 100
139 53.4 19.8 29.8#
279 44.3 24.0 36.0#





#29
 Benzo(g,h,i)perylene
 Concen: 1.482 ng/ul
 RT: 25.695 min Scan# 50
 Delta R.T. -0.003 min
 Lab File: BN035631.D
 Acq: 17 Dec 2024 00:12

Instrument :
 BNA_N
 ClientSampleId :
 E28S2



Tgt Ion:	276	Resp:	37420
Ion	Ratio	Lower	Upper
276	100		
138	22.3	19.6	29.4
277	26.1	21.6	32.4

Manual Integrations
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Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/21/2024

