

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
 Data File : BN025248.D
 Acq On : 03 May 2023 20:19
 Operator : CG/JU
 Sample : 02447-19MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EW937MSD

Quant Time: May 04 04:31:02 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 15:28:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/11/2023
 Supervised By : Jagrut Upadhyay 05/11/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.917	152	7686	0.400	ng/ul	0.00
4) Naphthalene-d8	10.726	136	25067	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.566	164	22018m	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.326	188	32300	0.400	ng/ul	# 0.02
17) Chrysene-d12	21.492	240	17591m	0.400	ng/ul	-0.01
23) Perylene-d12	24.023	264	56179	0.400	ng/ul	# 0.08
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.301	96	2064	0.259	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.315	152	6685	0.208	ng/ul	0.00
18) Fluoranthene-d10	19.332	212	38832m	0.837	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.335	88	5227	0.610	ng/ul#	79
5) Naphthalene	10.781	128	1368779	21.311	ng/ul	99
7) 2-Methylnaphthalene	12.392	142	622346	15.820	ng/ul	99
8) 1-Methylnaphthalene	12.612	142	554142	13.215	ng/ul	99
10) Acenaphthylene	14.289	152	2066846	25.198	ng/ul	99
11) Acenaphthene	14.631	153	2123213	30.709	ng/ul	98
12) Fluorene	15.621	166	3187540	41.239	ng/ul	100
14) Pentachlorophenol	16.989	266	2801	0.442	ng/ul	99
15) Phenanthrene	17.373	178	24855059m	272.620	ng/ul	
16) Anthracene	17.470	178	11299089	151.494	ng/ul	98
19) Fluoranthene	19.397	202	31468145	494.686	ng/ul#	85
20) Pyrene	19.764	202	29030777	444.180	ng/ul#	82
21) Benzo(a)anthracene	21.521	228	19667618	371.029	ng/ul#	89
22) Chrysene	21.582	228	19335750	334.383	ng/ul	93
24) Benzo(b)fluoranthene	23.280	252	26354039m	115.626	ng/ul	
25) Benzo(k)fluoranthene	23.321	252	9444631m	43.080	ng/ul	
26) Benzo(a)pyrene	23.932	252	19476015	103.277	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.639	276	14538691	66.912	ng/ul#	97
28) Dibenzo(a,h)anthracene	26.625	278	4317253	25.437	ng/ul	99
29) Benzo(g,h,i)perylene	27.434	276	13231681	71.618	ng/ul	98

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

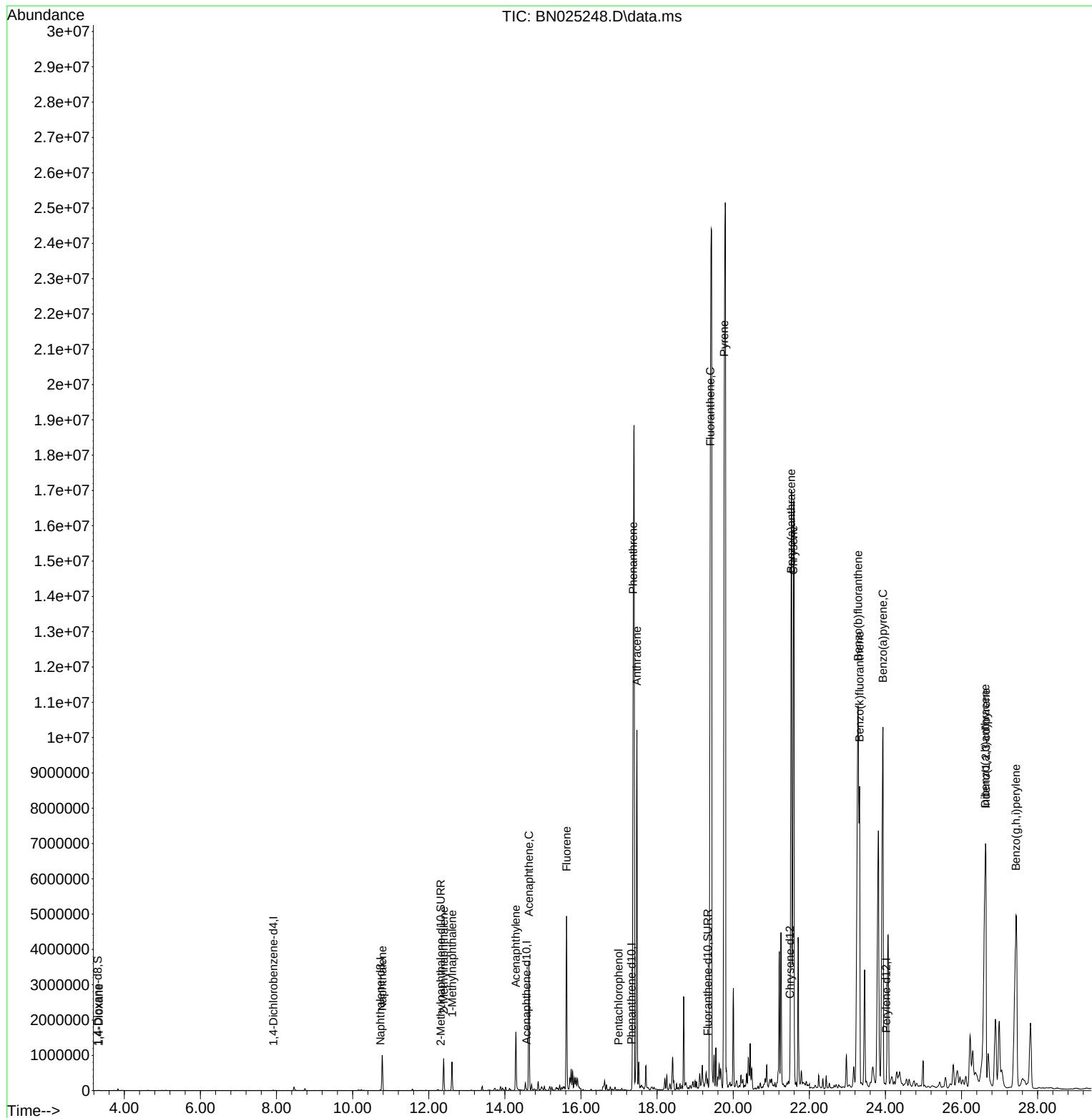
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050323\
Data File : BN025248.D
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ALS Vial : 16 Sample Multiplier: 1

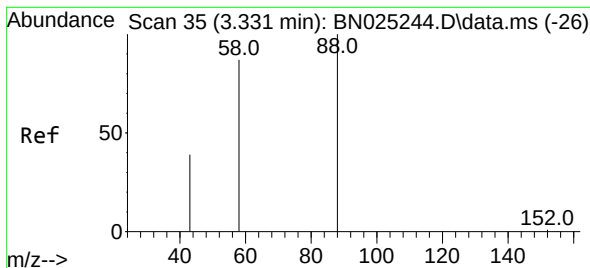
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#2

1,4-Dioxane

Concen: 0.610 ng/ul

RT: 3.335 min Scan# 30

Delta R.T. 0.005 min

Lab File: BN025248.D

Acq: 03 May 2023 20:19

Instrument :

BNA_N

ClientSampleId :

EW937MSD

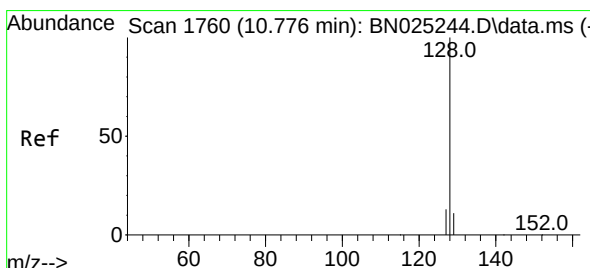
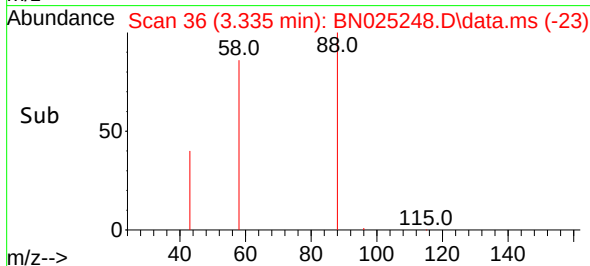
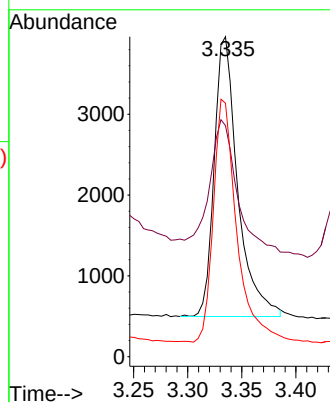
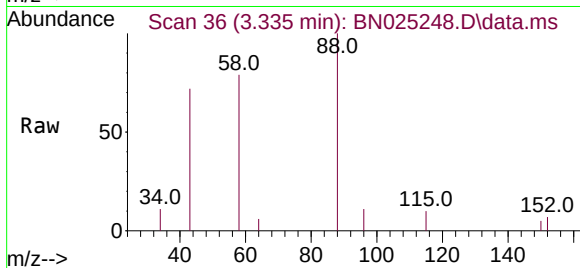
Tgt Ion: 88 Resp: 522

Ion	Ratio	Lower	Upper
88	100		
43	72.2	37.0	55.4
58	79.2	56.9	85.3

Manual Integrations

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#5

Naphthalene

Concen: 21.311 ng/ul

RT: 10.781 min Scan# 1761

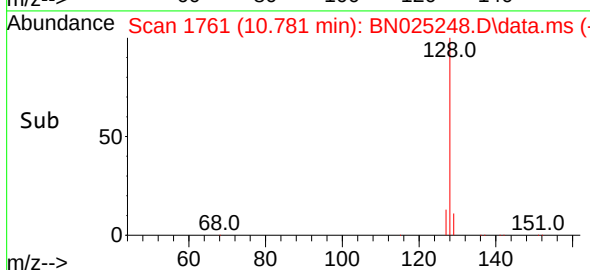
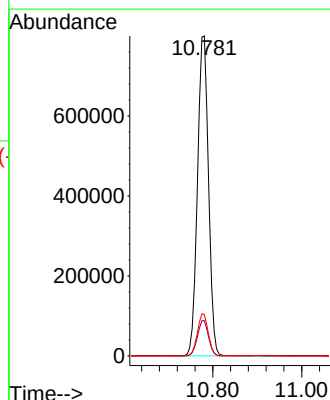
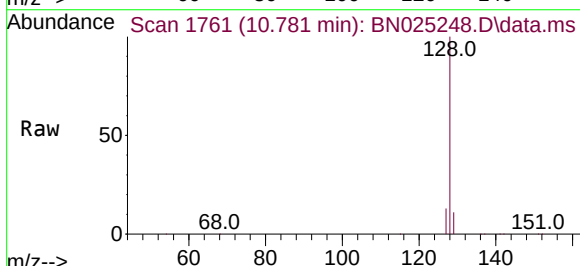
Delta R.T. 0.013 min

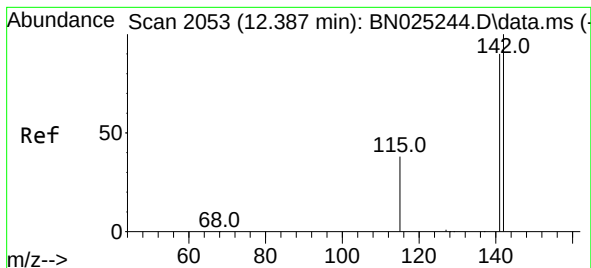
Lab File: BN025248.D

Acq: 03 May 2023 20:19

Tgt Ion:128 Resp: 1368779

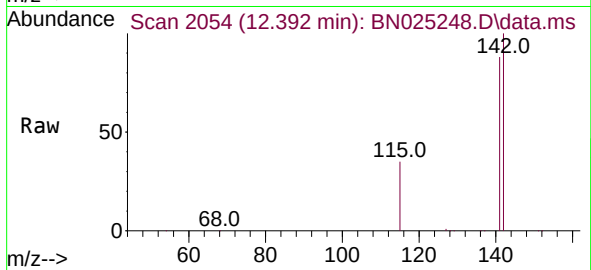
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	12.9	10.7	16.1





#7
2-Methylnaphthalene
Concen: 15.820 ng/ul
RT: 12.392 min Scan# 2053
Delta R.T. 0.007 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19

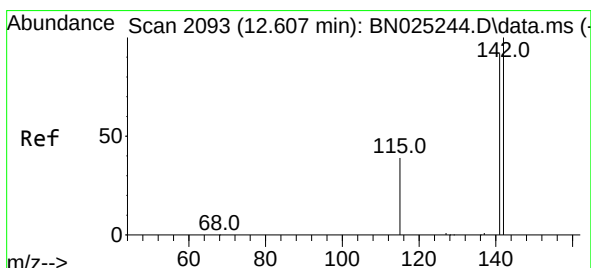
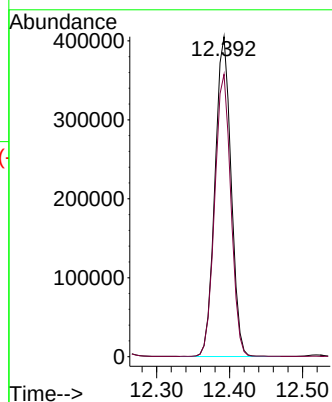
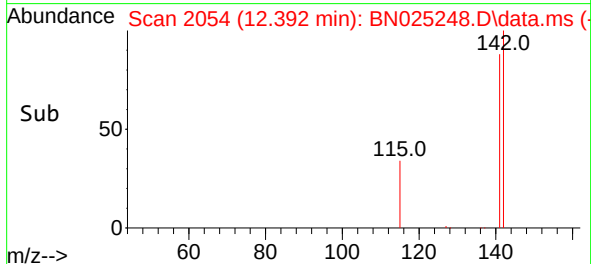
Instrument :
BNA_N
ClientSampleId :
EW937MSD



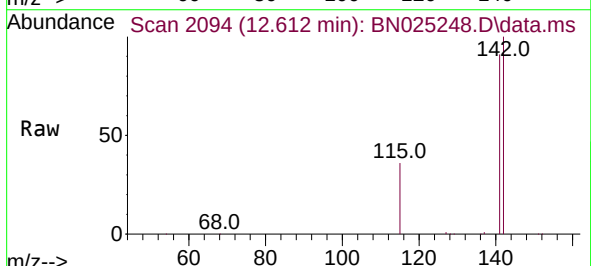
Tgt Ion:142 Resp: 622340
Ion Ratio Lower Upper
142 100
141 88.5 71.4 107.0

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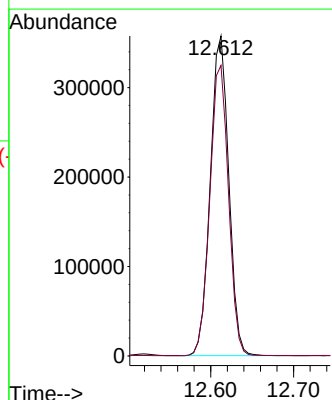
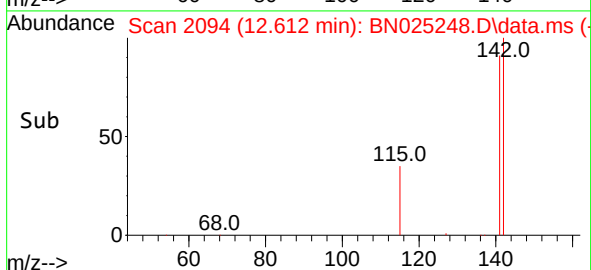
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023

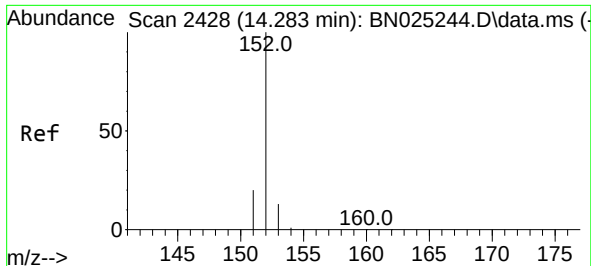


#8
1-Methylnaphthalene
Concen: 13.215 ng/ul
RT: 12.612 min Scan# 2094
Delta R.T. 0.007 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19



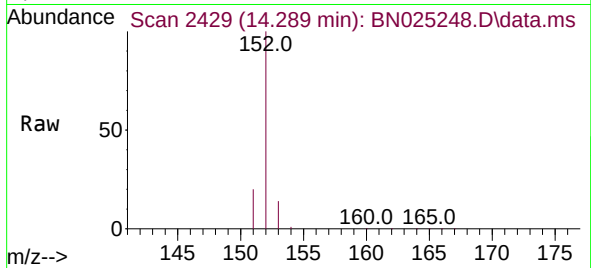
Tgt Ion:142 Resp: 554142
Ion Ratio Lower Upper
142 100
141 91.5 73.8 110.6





#10
Acenaphthylene
Concen: 25.198 ng/ul
RT: 14.289 min Scan# 2428
Delta R.T. 0.011 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19

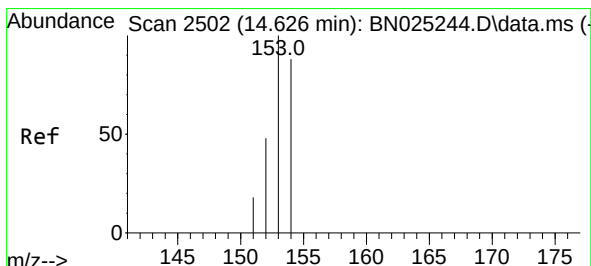
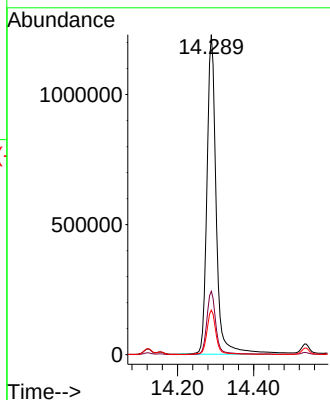
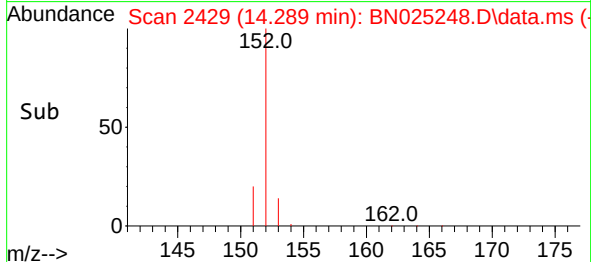
Instrument :
BNA_N
ClientSampleId :
EW937MSD



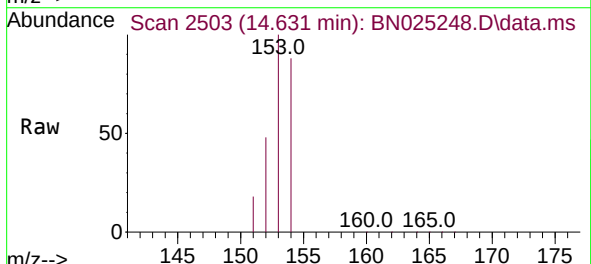
Tgt Ion:152 Resp: 2066840
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.9 10.8 16.2

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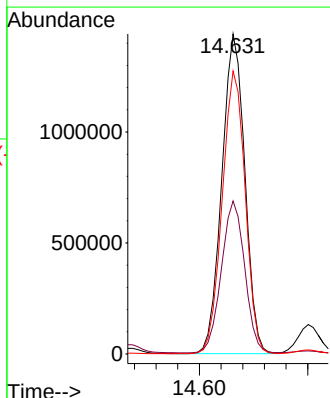
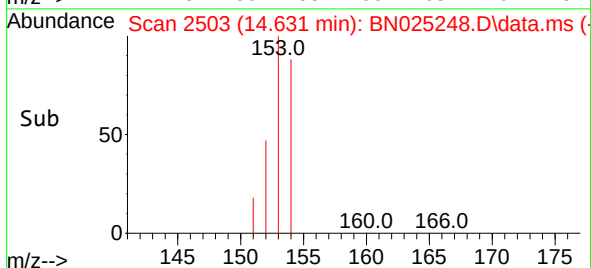
Reviewed By :Christian Giraldo 05/11/2023
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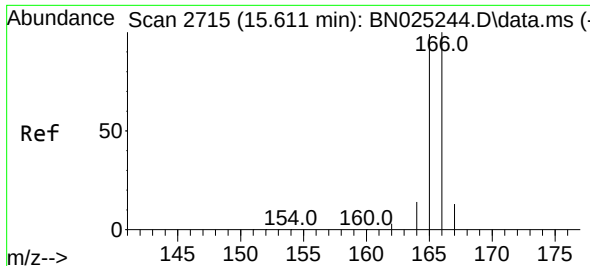


#11
Acenaphthene
Concen: 30.709 ng/ul
RT: 14.631 min Scan# 2503
Delta R.T. 0.011 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19



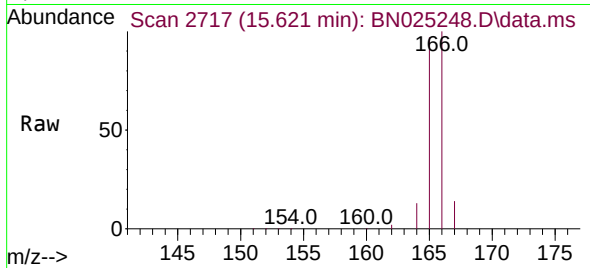
Tgt Ion:153 Resp: 2123213
Ion Ratio Lower Upper
153 100
152 47.8 40.2 60.4
154 88.4 69.4 104.2





#12
Fluorene
Concen: 41.239 ng/ul
RT: 15.621 min Scan# 21
Delta R.T. 0.011 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19

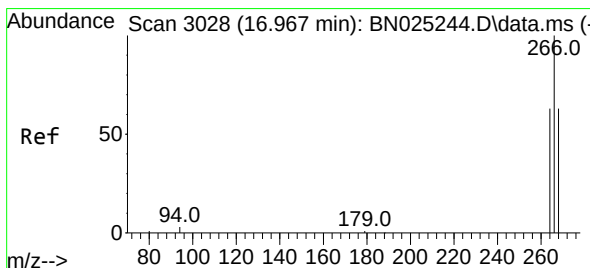
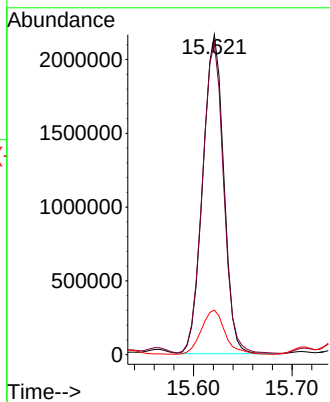
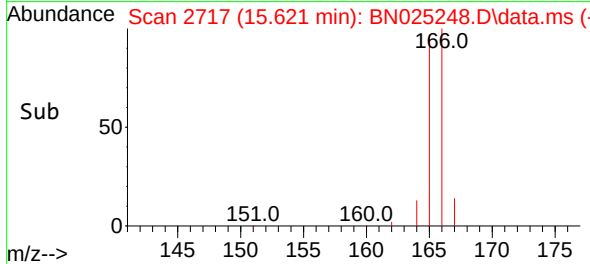
Instrument :
BNA_N
ClientSampleId :
EW937MSD



Tgt Ion:166 Resp: 3187540
Ion Ratio Lower Upper
166 100
165 97.4 78.1 117.1
167 13.9 11.0 16.6

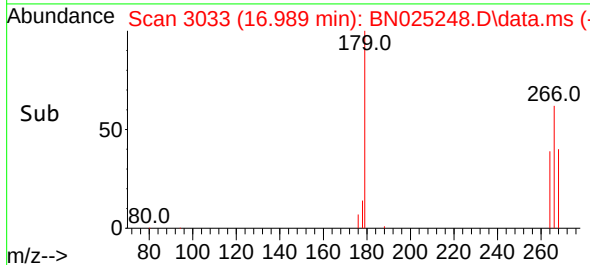
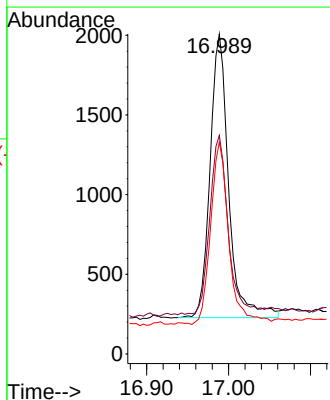
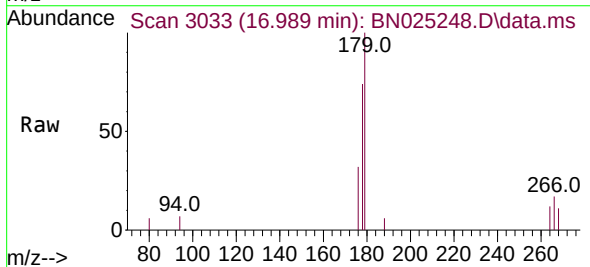
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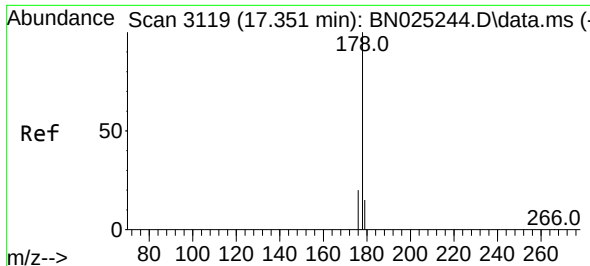
Reviewed By :Christian Giraldo 05/11/2023
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#14
Pentachlorophenol
Concen: 0.442 ng/ul
RT: 16.989 min Scan# 3033
Delta R.T. 0.023 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19

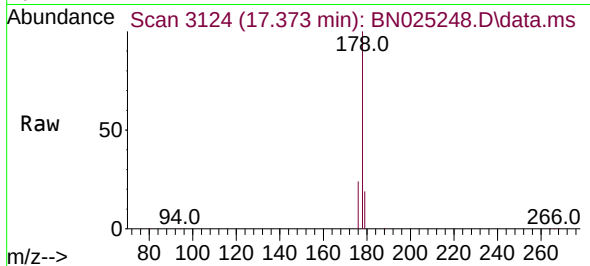
Tgt Ion:266 Resp: 2801
Ion Ratio Lower Upper
266 100
264 63.3 49.6 74.4
268 63.5 51.3 76.9





#15
Phenanthrene
Concen: 272.620 ng/ul m
RT: 17.373 min Scan# 3119
Delta R.T. 0.023 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19

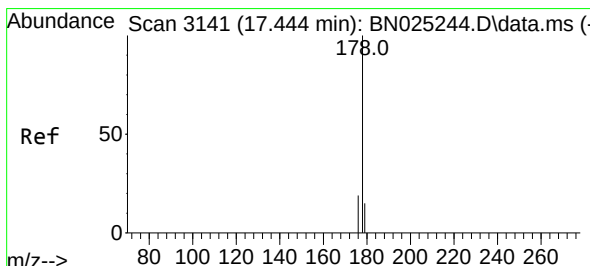
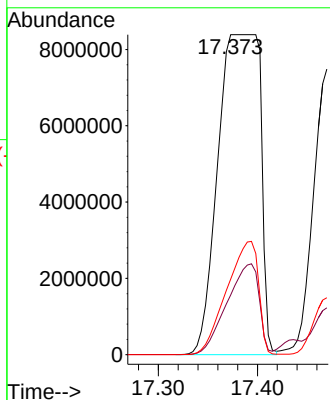
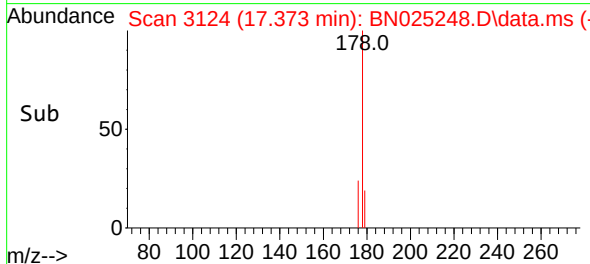
Instrument :
BNA_N
ClientSampleId :
EW937MSD



Tgt Ion:178 Resp:24855055
Ion Ratio Lower Upper
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179 18.7 12.5 18.7
176 23.6 15.6 23.4

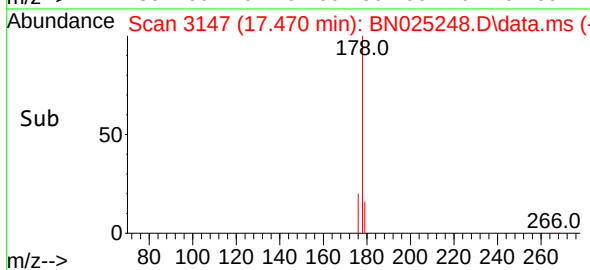
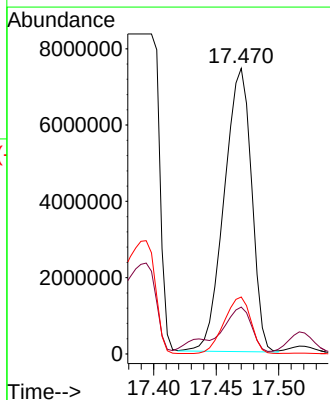
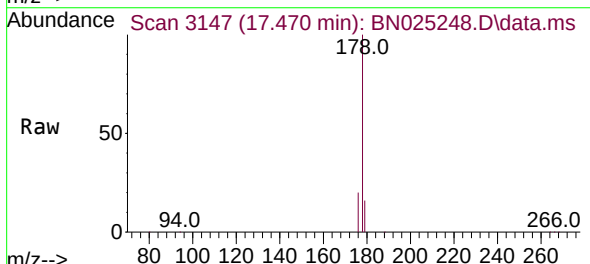
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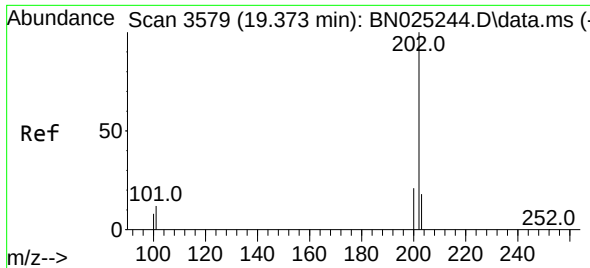
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#16
Anthracene
Concen: 151.494 ng/ul
RT: 17.470 min Scan# 3147
Delta R.T. 0.027 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19

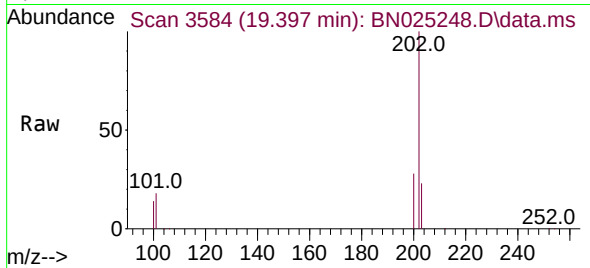
Tgt Ion:178 Resp:11299089
Ion Ratio Lower Upper
178 100
179 16.4 12.7 19.1
176 20.0 15.3 22.9





#19
Fluoranthene
Concen: 494.686 ng/u1
RT: 19.397 min Scan# 3584
Delta R.T. 0.025 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19

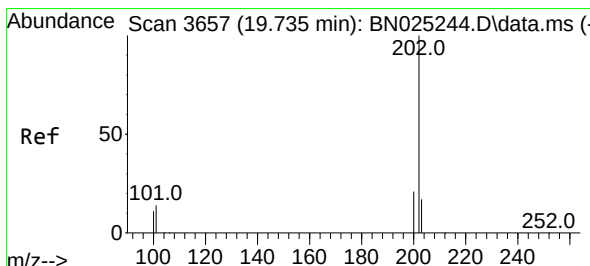
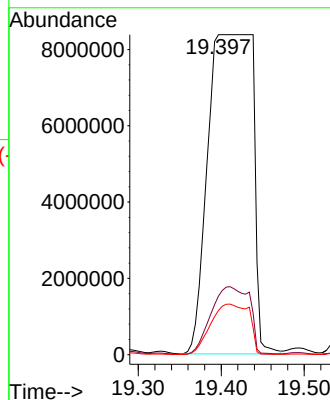
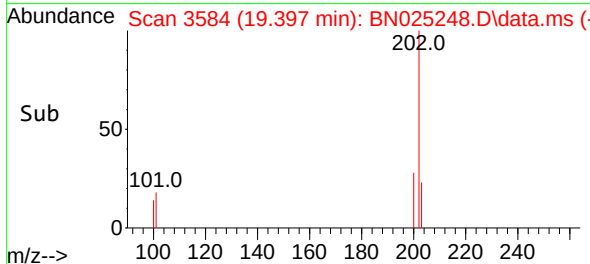
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Tgt Ion:202 Resp:3146814
Ion Ratio Lower Upper
202 100
101 18.3 9.7 14.5
100 13.8 7.3 10.9

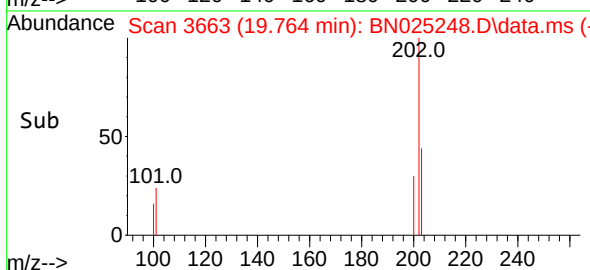
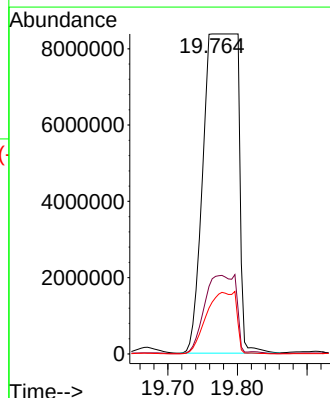
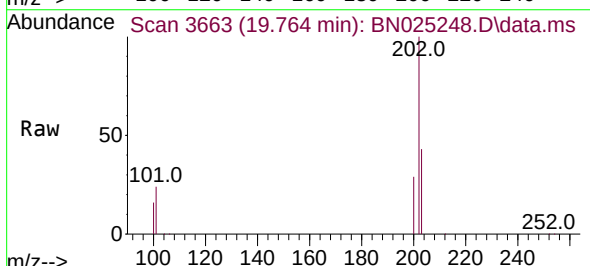
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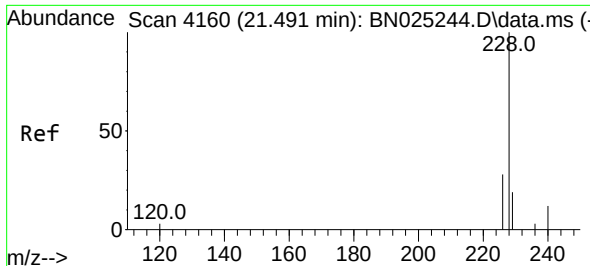
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#20
Pyrene
Concen: 444.180 ng/u1
RT: 19.764 min Scan# 3663
Delta R.T. 0.030 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19

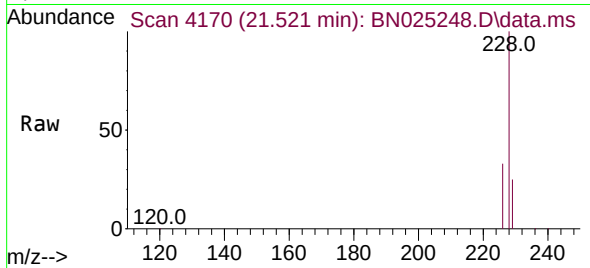
Tgt Ion:202 Resp:29030777
Ion Ratio Lower Upper
202 100
101 23.5 11.3 16.9#
100 16.2 9.2 13.8#





#21
Benzo(a)anthracene
Concen: 371.029 ng/u1
RT: 21.521 min Scan# 4160
Delta R.T. 0.034 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19

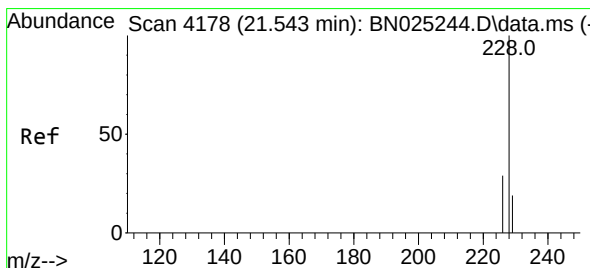
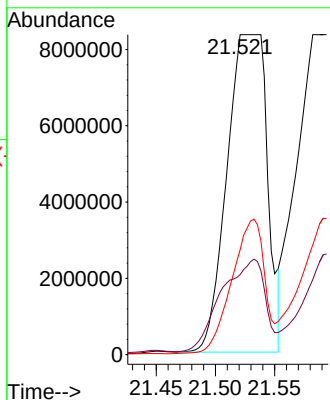
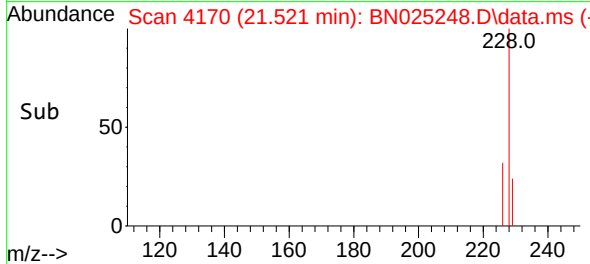
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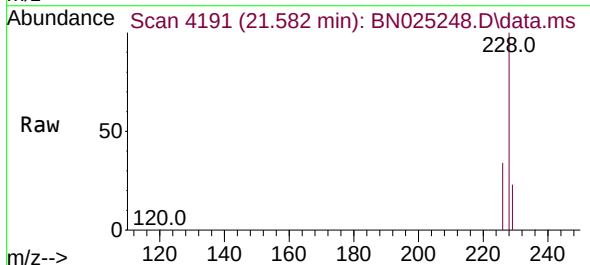
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Ion Ratio Lower Upper
228 100
229 25.0 15.6 23.4
226 32.8 22.1 33.1

Manual Integrations
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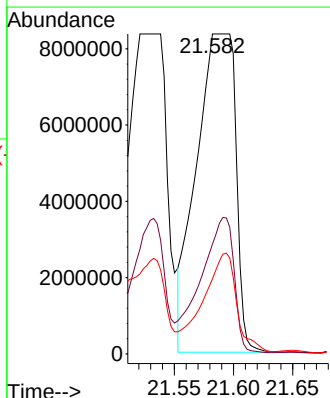
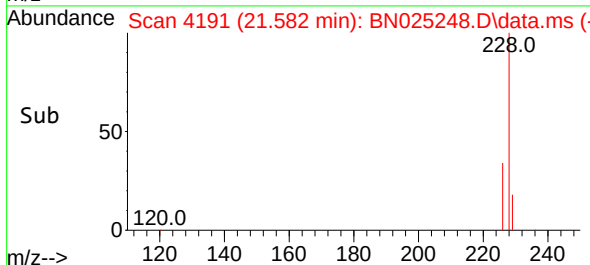
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023

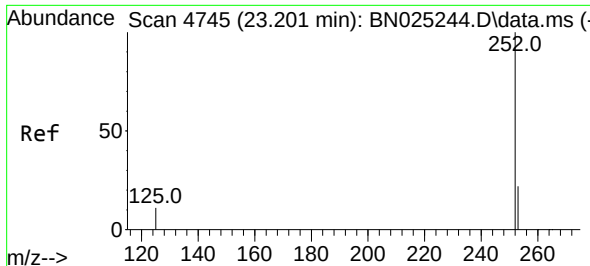


#22
Chrysene
Concen: 334.383 ng/u1
RT: 21.582 min Scan# 4191
Delta R.T. 0.043 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19



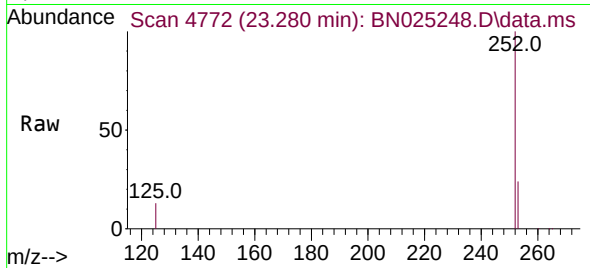
Tgt Ion:228 Resp:19335750
Ion Ratio Lower Upper
228 100
226 34.3 24.5 36.7
229 23.5 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 115.626 ng/ul m
RT: 23.280 min Scan# 4772
Delta R.T. 0.084 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19

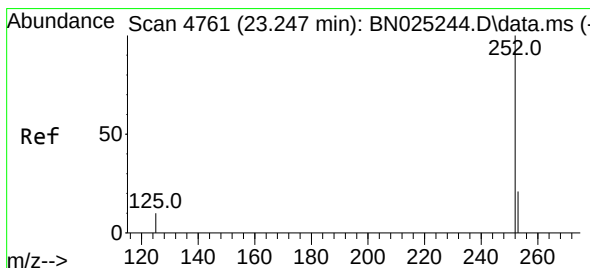
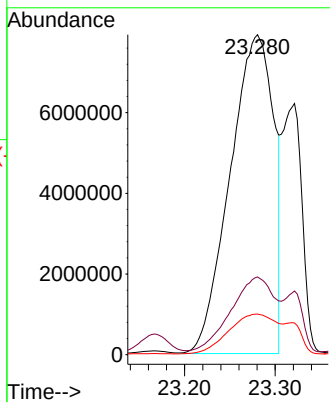
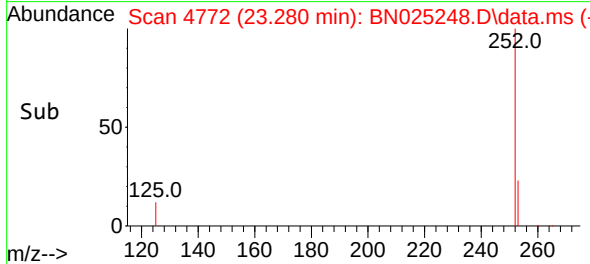
Instrument :
BNA_N
ClientSampleId :
EW937MSD



Tgt Ion:252 Resp:26354039
Ion Ratio Lower Upper
252 100
253 24.3 0.0 50.2
125 12.7 0.0 30.4

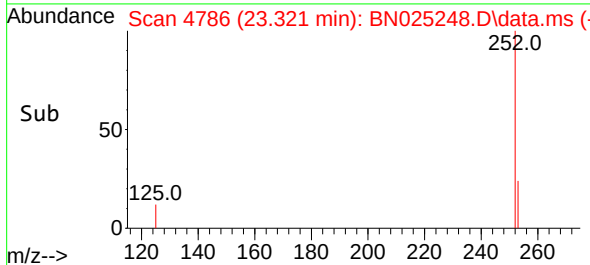
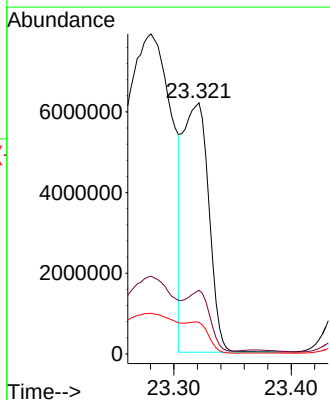
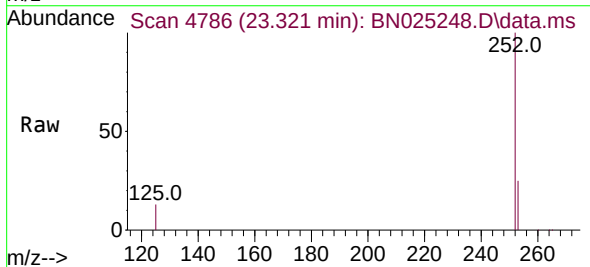
Manual Integrations
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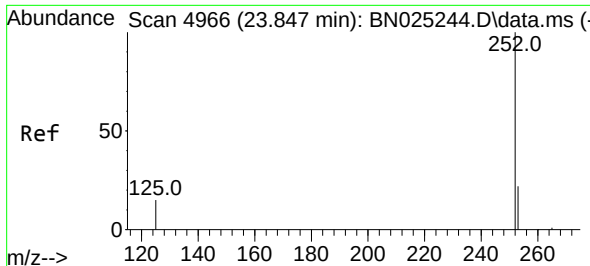
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#25
Benzo(k)fluoranthene
Concen: 43.080 ng/ul m
RT: 23.321 min Scan# 4786
Delta R.T. 0.075 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19

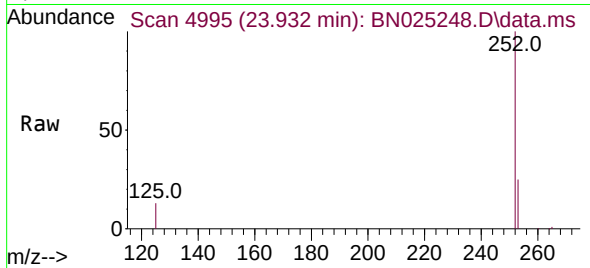
Tgt Ion:252 Resp: 9444631
Ion Ratio Lower Upper
252 100
253 25.4 20.2 30.4
125 12.6 11.8 17.8





#26
Benzo(a)pyrene
Concen: 103.277 ng/ul
RT: 23.932 min Scan# 4966
Delta R.T. 0.104 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19

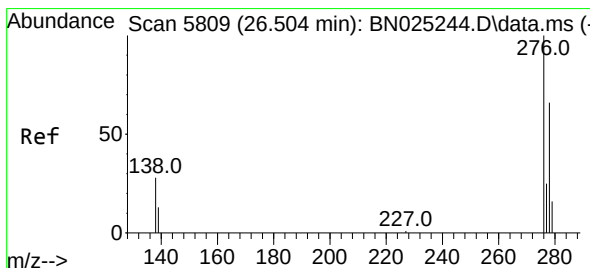
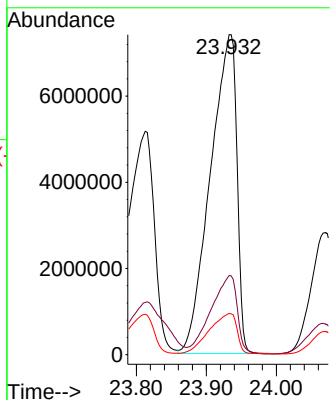
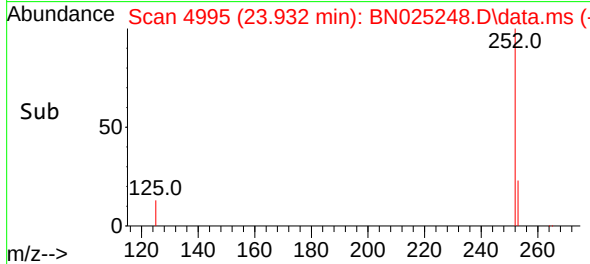
Instrument :
BNA_N
ClientSampleId :
EW937MSD



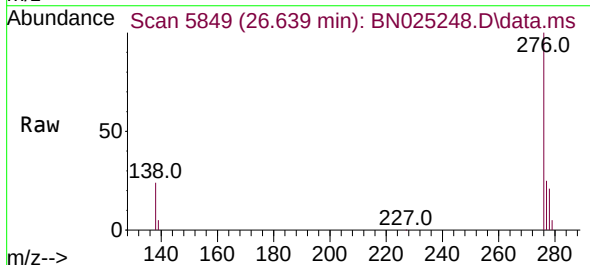
Tgt Ion:252 Resp:19476015
Ion Ratio Lower Upper
252 100
253 24.7 21.4 32.2
125 12.9 14.6 22.0

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APPROVED

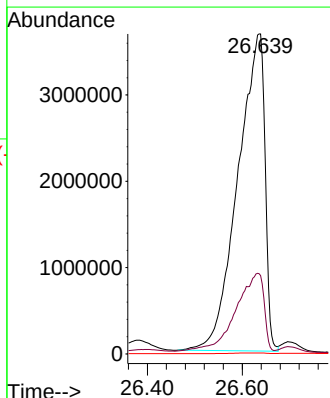
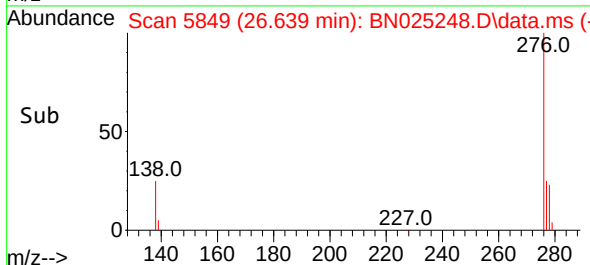
Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023

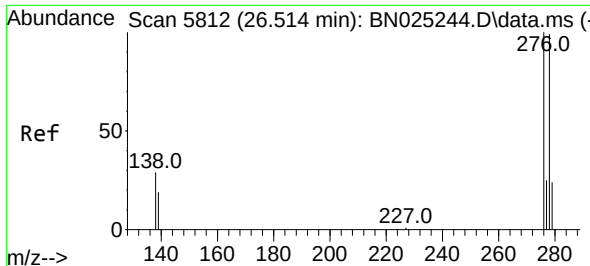


#27
Indeno(1,2,3-cd)pyrene
Concen: 66.912 ng/ul
RT: 26.639 min Scan# 5849
Delta R.T. 0.163 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19



Tgt Ion:276 Resp:14538691
Ion Ratio Lower Upper
276 100
138 25.7 21.9 32.9
227 0.4 0.1 0.1





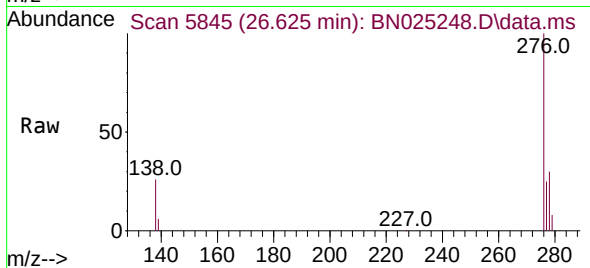
#28
Dibenzo(a,h)anthracene
Concen: 25.437 ng/ul
RT: 26.625 min Scan# 5812
Delta R.T. 0.133 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19

Instrument :

BNA_N

ClientSampleId :

EW937MSD

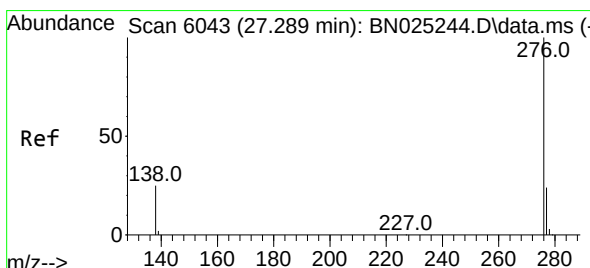
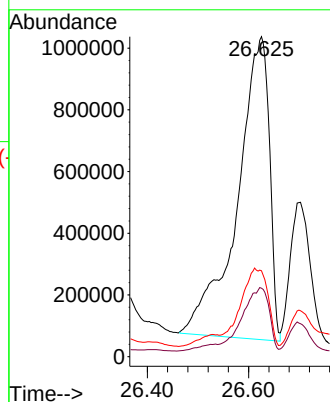
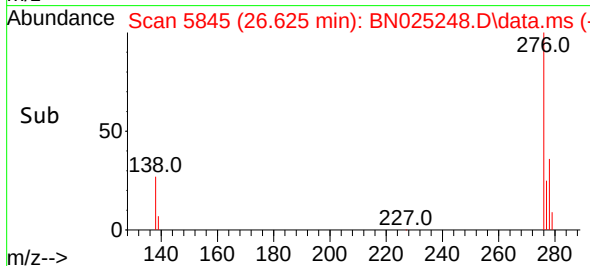


Tgt Ion:278 Resp: 431725
Ion Ratio Lower Upper
278 100
139 21.4 17.0 25.6
279 26.8 21.8 32.8

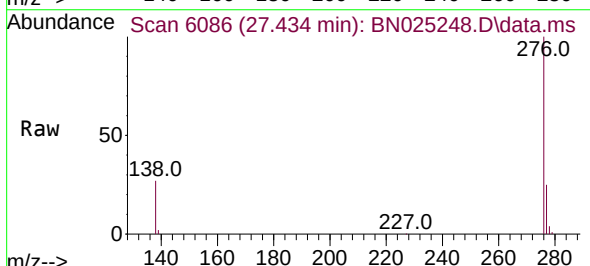
Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023



#29
Benzo(g,h,i)perylene
Concen: 71.618 ng/ul
RT: 27.434 min Scan# 6086
Delta R.T. 0.173 min
Lab File: BN025248.D
Acq: 03 May 2023 20:19



Tgt Ion:276 Resp:13231681
Ion Ratio Lower Upper
276 100
138 26.6 20.3 30.5
277 25.3 19.8 29.6

