

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101422\
 Data File : BN022116.D
 Acq On : 14 Oct 2022 09:14
 Operator : CG/JU
 Sample : N5049-16
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BS4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2022
 Supervised By :mohammad ahmed 10/16/2022

Quant Time: Oct 15 00:24:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 13 03:08:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	167005	20.000	ng/u1	0.00
20) Naphthalene-d8	10.781	136	813065	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.628	164	518601	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.381	188	1118195	20.000	ng/u1	-0.01
79) Chrysene-d12	21.580	240	1078795	20.000	ng/u1	-0.01
88) Perylene-d12	24.051	264	1068220	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	14912	3.384	ng/uL	0.00
4) Pyridine-d5	3.711	84	17315	1.263	ng/u1	0.02
7) Phenol-d5	7.111	99	293984	18.007	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	197275	19.283	ng/u1	0.00
11) 2-Chlorophenol-d4	7.475	132	228774	20.210	ng/u1	0.00
15) 4-Methylphenol-d8	8.669	113	219078	16.887	ng/u1	-0.01
21) Nitrobenzene-d5	9.134	128	123633	20.737	ng/u1	0.00
24) 2-Nitrophenol-d4	9.857	143	134974	22.088	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.399	165	227537	19.837	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.928	131	317783	16.946	ng/u1	0.00
46) Dimethylphthalate-d6	14.040	166	779928	21.574	ng/u1	0.00
49) Acenaphthylene-d8	14.322	160	881945	21.847	ng/u1	0.00
54) 4-Nitrophenol-d4	14.828	143	124340	16.114	ng/u1	0.00
60) Fluorene-d10	15.622	176	678296	22.245	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.739	200	92926	14.567	ng/u1	-0.01
73) Anthracene-d10	17.481	188	1037190	21.344	ng/u1	0.00
81) Pyrene-d10	19.780	212	1214992	22.621	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.886	264	1143407	21.826	ng/u1	-0.01
Target Compounds						
					Qvalue	
8) Phenol	7.134	94	18090	1.044	ng/u1	97
30) Naphthalene	10.834	128	91133	2.092	ng/u1	99
36) 2-Methylnaphthalene	12.451	142	66479	2.210	ng/u1	98
37) 1-Methylnaphthalene	12.669	142	54329	1.804	ng/u1	99
72) Phenanthrene	17.428	178	511466	8.479	ng/u1	98
74) Anthracene	17.516	178	93126	1.554	ng/u1	96
80) Fluoranthene	19.445	202	779688	11.564	ng/u1	97
82) Pyrene	19.810	202	622156	8.820	ng/u1	99
85) Benzo(a)anthracene	21.563	228	366396m	5.315	ng/u1	
87) Chrysene	21.616	228	384799	5.809	ng/u1	97
90) Benzo(b)fluoranthene	23.286	252	459869	6.826	ng/u1	99
91) Benzo(k)fluoranthene	23.333	252	150656m	2.263	ng/u1	
93) Benzo(a)pyrene	23.933	252	286673	4.761	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	26.621	276	170688	2.268	ng/u1	95
96) Benzo(g,h,i)perylene	27.421	276	127899	1.889	ng/u1	98

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

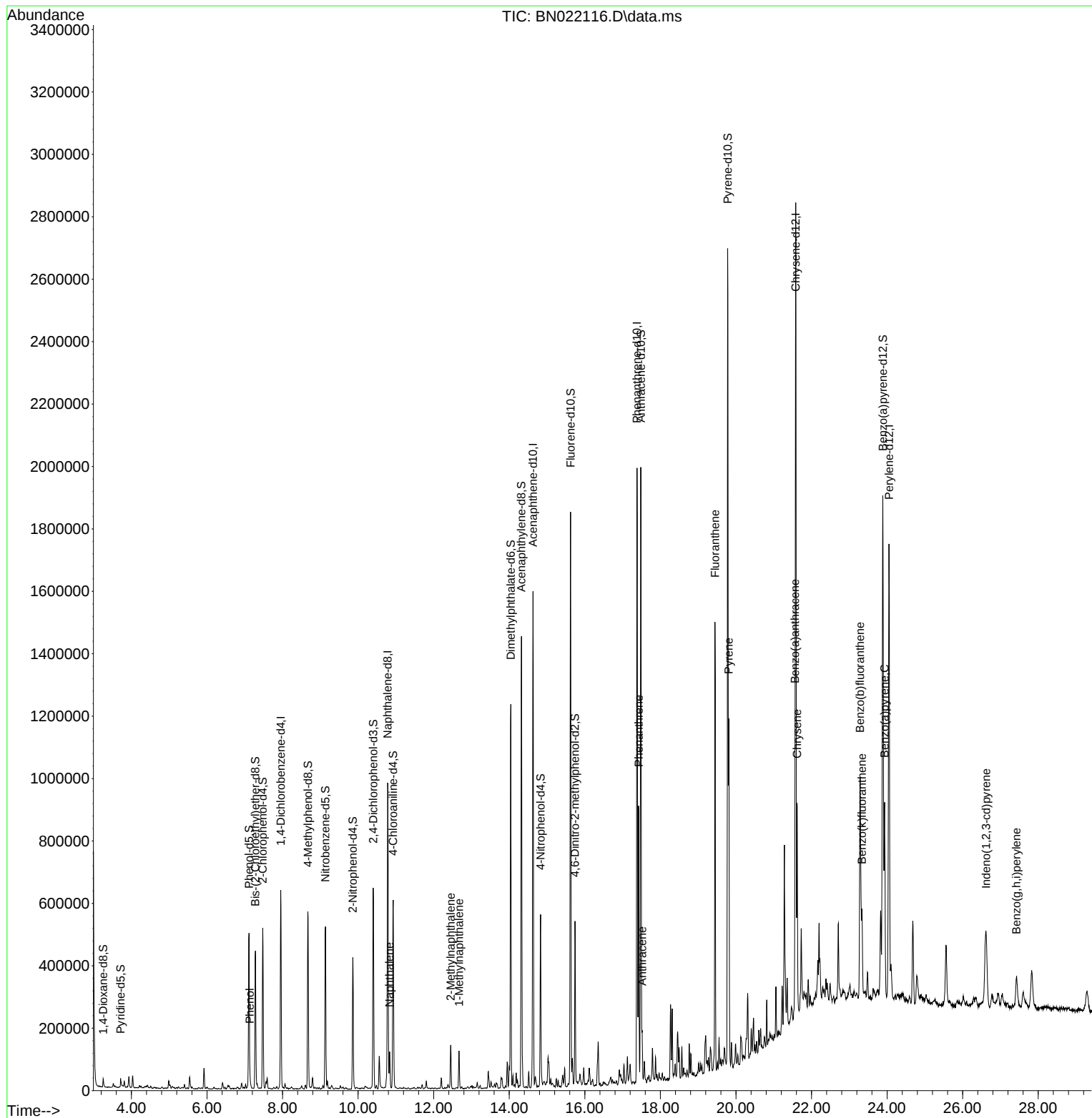
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101422\
Data File : BN022116.D
Acq On : 14 Oct 2022 09:14
Operator : CG/JU
Sample : N5049-16
Misc :
ALS Vial : 34 Sample Multiplier: 1

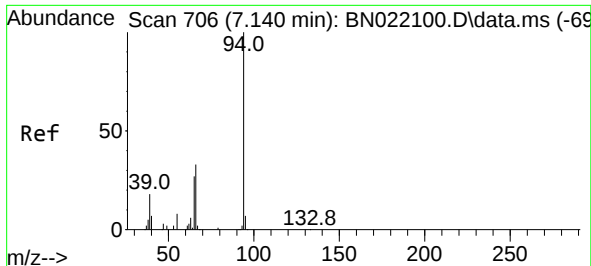
Instrument :
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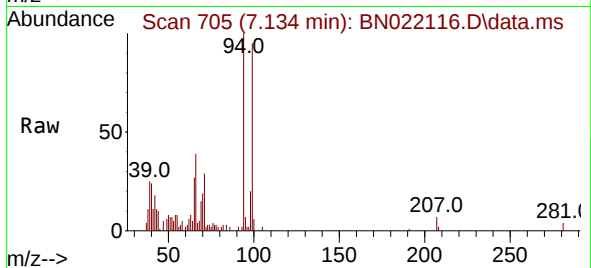
Quant Time: Oct 15 00:24:14 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 13 03:08:08 2022
Response via : Initial Calibration





#8
Phenol
Concen: 1.044 ng/ul
RT: 7.134 min Scan# 706
Delta R.T. -0.006 min
Lab File: BN022116.D
Acq: 14 Oct 2022 09:14

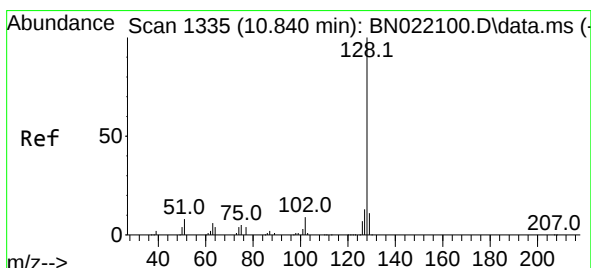
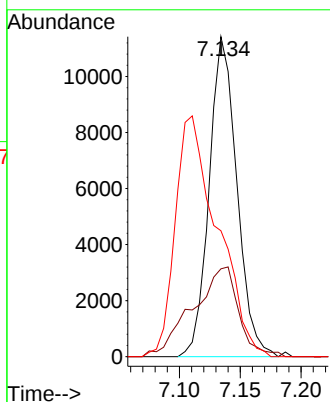
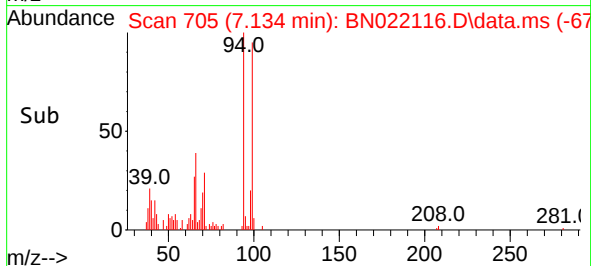
Instrument :
BNA_N
ClientSampleId :
C0BS4



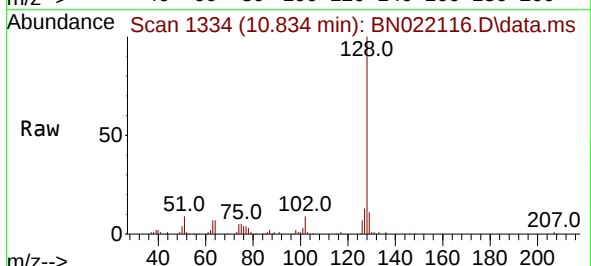
Tgt Ion: 94 Resp: 18090
Ion Ratio Lower Upper
94 100
65 27.4 22.1 33.1
66 39.3 29.0 43.6

Manual Integrations
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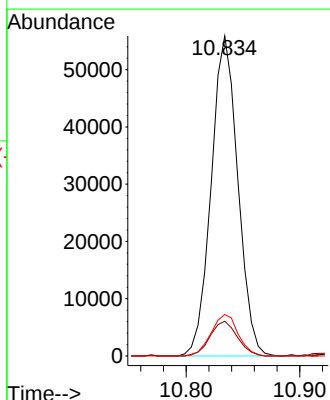
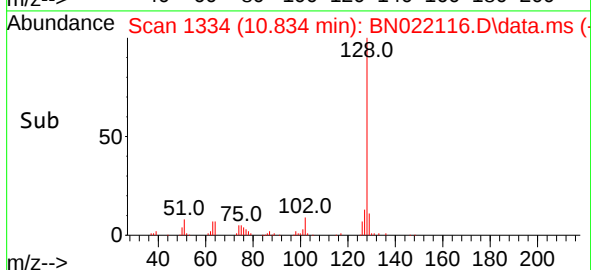
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022

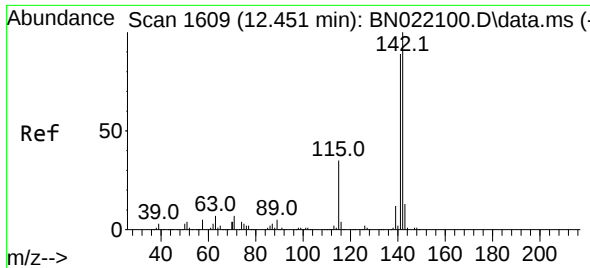


#30
Naphthalene
Concen: 2.092 ng/ul
RT: 10.834 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BN022116.D
Acq: 14 Oct 2022 09:14



Tgt Ion:128 Resp: 91133
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 13.0 10.8 16.2





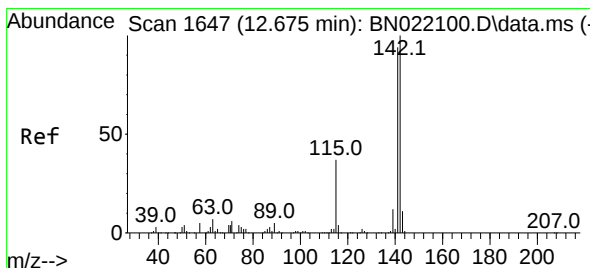
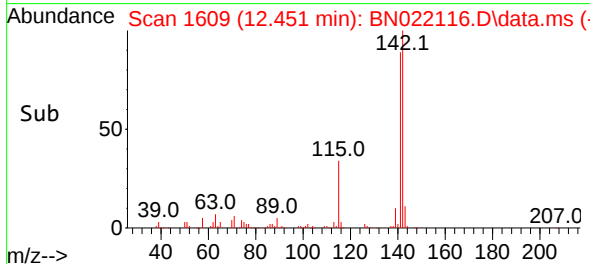
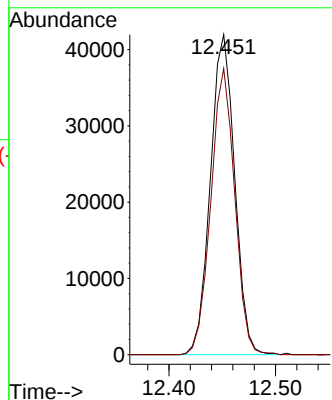
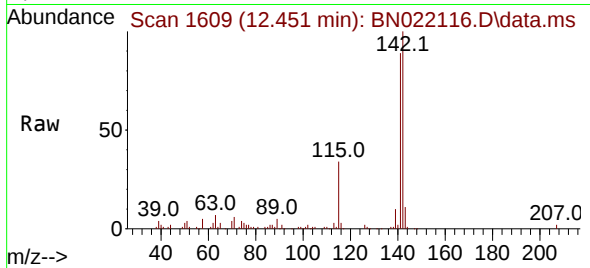
#36
2-Methylnaphthalene
Concen: 2.210 ng/ul
RT: 12.451 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BN022116.D
Acq: 14 Oct 2022 09:14

Instrument :
BNA_N
ClientSampleId :
C0BS4

Tgt Ion:142 Resp: 66479
Ion Ratio Lower Upper
142 100
141 89.4 69.7 104.5

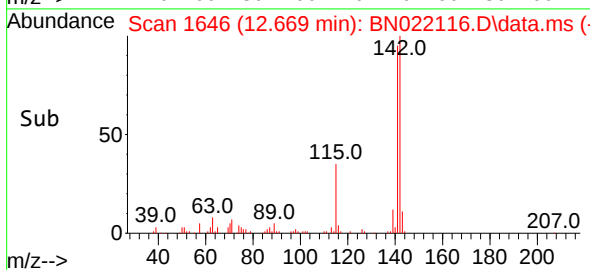
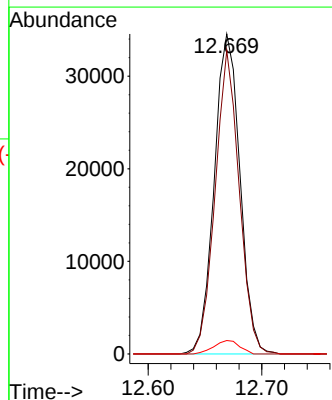
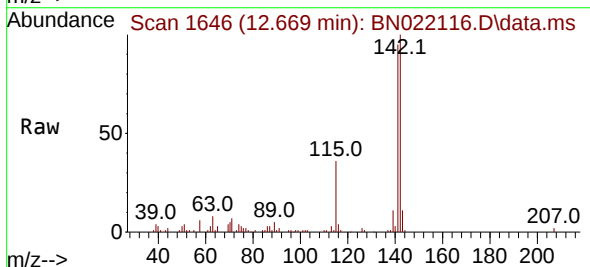
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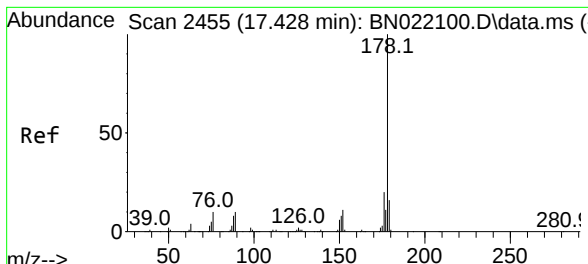
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022



#37
1-Methylnaphthalene
Concen: 1.804 ng/ul
RT: 12.669 min Scan# 1646
Delta R.T. -0.006 min
Lab File: BN022116.D
Acq: 14 Oct 2022 09:14

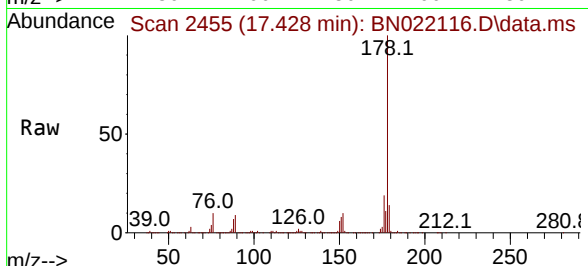
Tgt Ion:142 Resp: 54329
Ion Ratio Lower Upper
142 100
141 94.9 76.7 115.1
116 4.2 3.1 4.7





#72
 Phenanthrene
 Concen: 8.479 ng/ul
 RT: 17.428 min Scan# 2455
 Delta R.T. -0.006 min
 Lab File: BN022116.D
 Acq: 14 Oct 2022 09:14

Instrument : BNA_N
 ClientSampleId : C0BS4

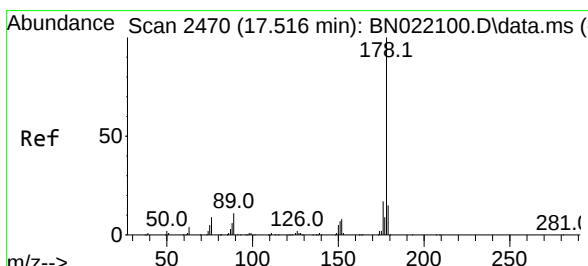
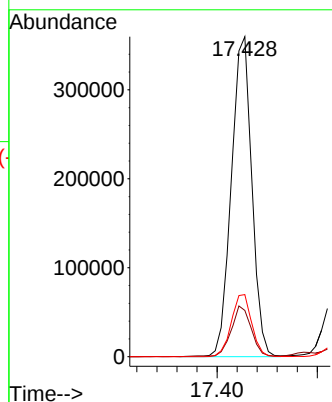


Tgt Ion:178 Resp: 51146

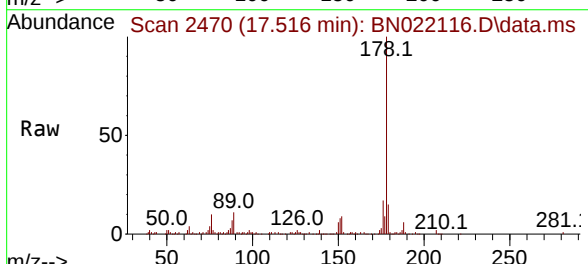
Ion	Ratio	Lower	Upper
178	100		
179	14.4	12.3	18.5
176	19.4	16.5	24.7

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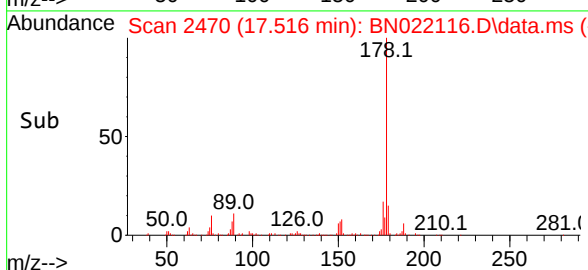
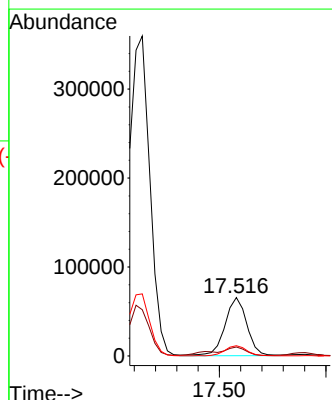


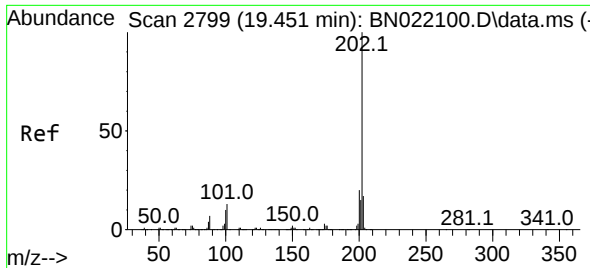
#74
 Anthracene
 Concen: 1.554 ng/ul
 RT: 17.516 min Scan# 2470
 Delta R.T. -0.006 min
 Lab File: BN022116.D
 Acq: 14 Oct 2022 09:14



Tgt Ion:178 Resp: 93126

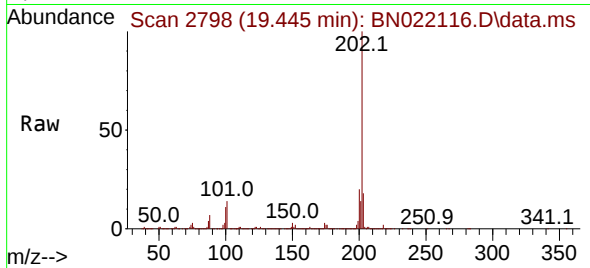
Ion	Ratio	Lower	Upper
178	100		
179	15.5	13.0	19.6
176	17.5	15.8	23.6





#80
Fluoranthene
Concen: 11.564 ng/ul
RT: 19.445 min Scan# 2798
Delta R.T. -0.012 min
Lab File: BN022116.D
Acq: 14 Oct 2022 09:14

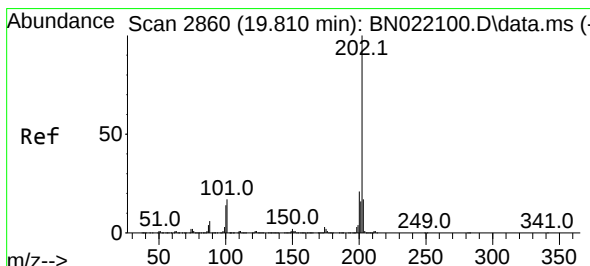
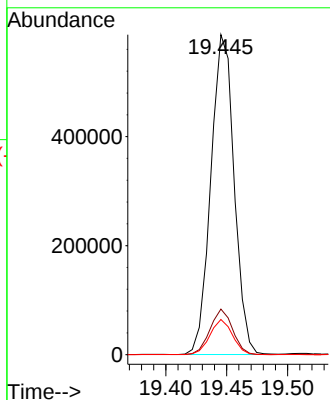
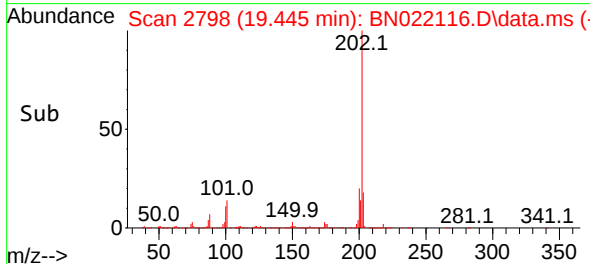
Instrument :
BNA_N
ClientSampleId :
C0BS4



Tgt Ion:202 Resp: 779688
Ion Ratio Lower Upper
202 100
101 14.3 10.3 15.5
100 11.0 7.8 11.8

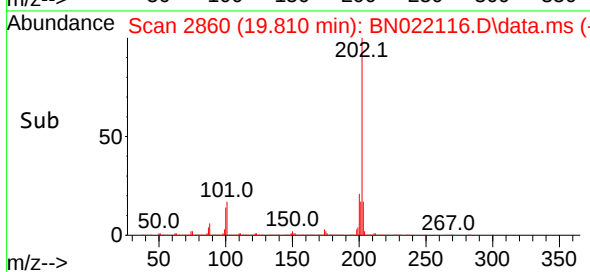
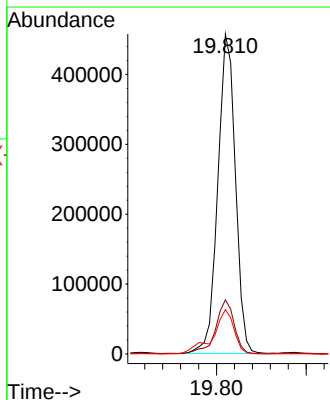
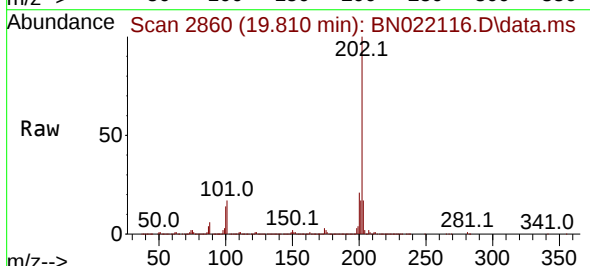
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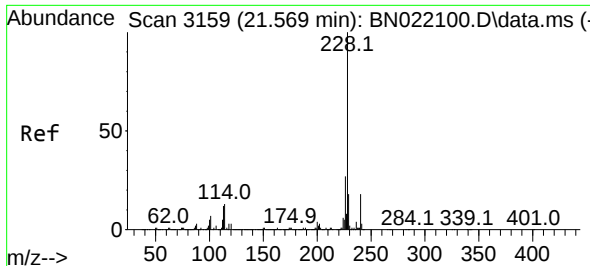
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022



#82
Pyrene
Concen: 8.820 ng/ul
RT: 19.810 min Scan# 2860
Delta R.T. -0.006 min
Lab File: BN022116.D
Acq: 14 Oct 2022 09:14

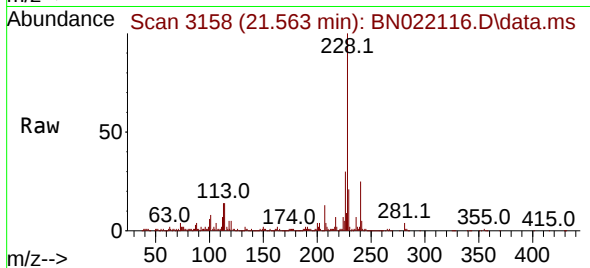
Tgt Ion:202 Resp: 622156
Ion Ratio Lower Upper
202 100
101 16.9 13.4 20.0
100 13.8 10.9 16.3





#85
Benzo(a)anthracene
Concen: 5.315 ng/ul m
RT: 21.563 min Scan# 3158
Delta R.T. -0.012 min
Lab File: BN022116.D
Acq: 14 Oct 2022 09:14

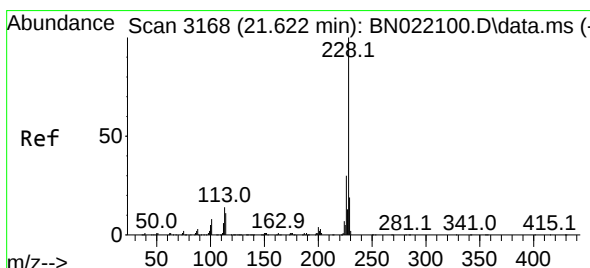
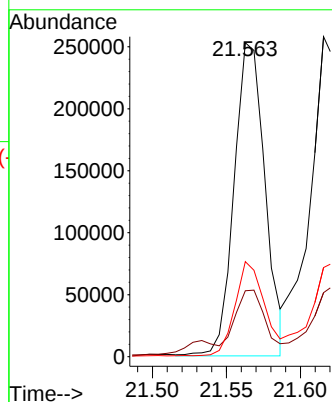
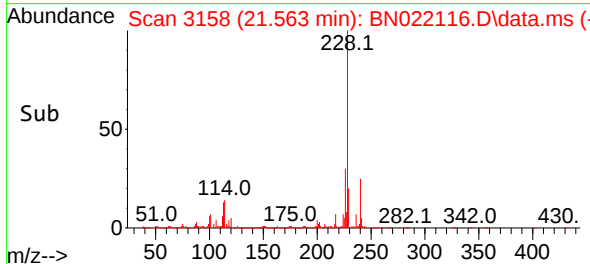
Instrument :
BNA_N
ClientSampleId :
C0BS4



Tgt Ion:228 Resp: 366390
Ion Ratio Lower Upper
228 100
229 21.0 13.5 20.3
226 30.3 21.0 31.6

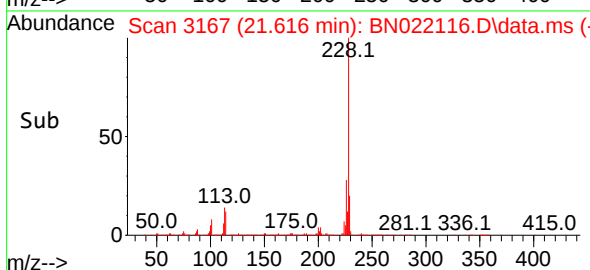
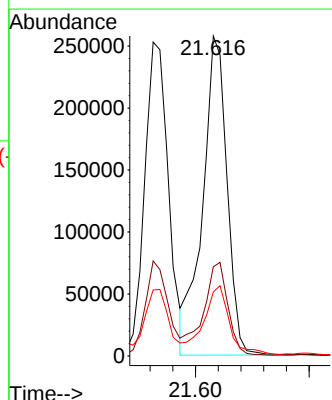
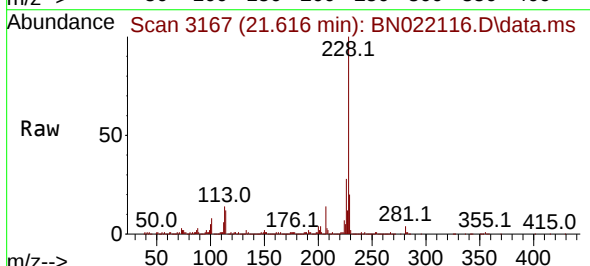
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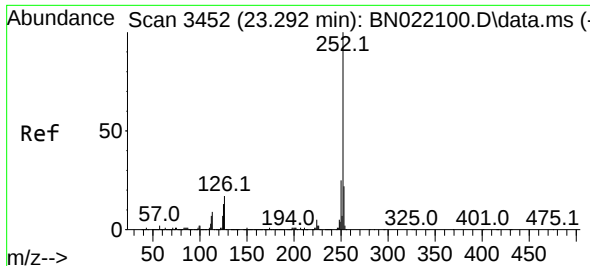
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022



#87
Chrysene
Concen: 5.809 ng/ul
RT: 21.616 min Scan# 3167
Delta R.T. -0.012 min
Lab File: BN022116.D
Acq: 14 Oct 2022 09:14

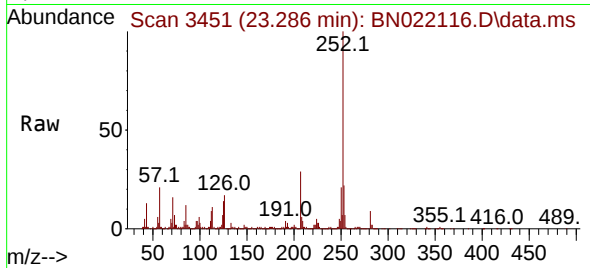
Tgt Ion:228 Resp: 384799
Ion Ratio Lower Upper
228 100
226 27.8 23.8 35.8
229 20.0 16.5 24.7





#90
Benzo(b)fluoranthene
Concen: 6.826 ng/ul
RT: 23.286 min Scan# 3451
Delta R.T. -0.012 min
Lab File: BN022116.D
Acq: 14 Oct 2022 09:14

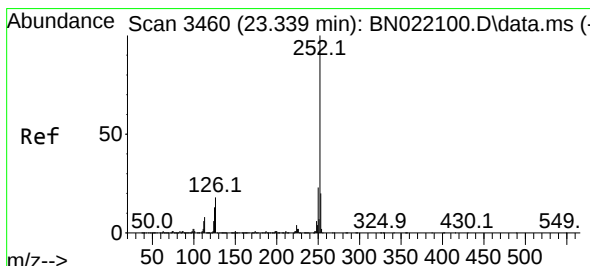
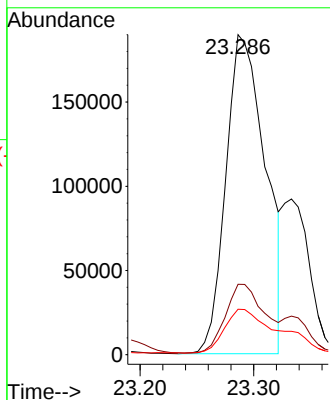
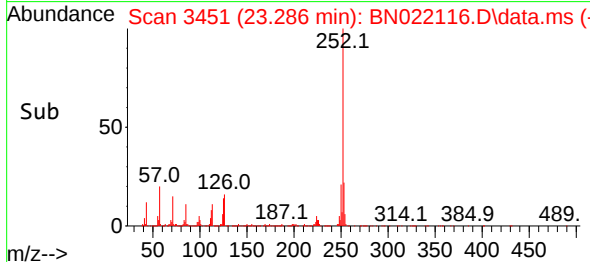
Instrument :
BNA_N
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C0BS4



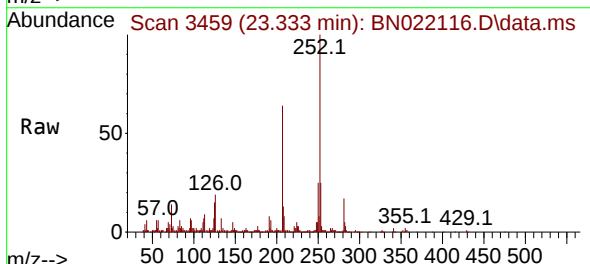
Tgt Ion:252 Resp: 459869
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 14.2 10.7 16.1

Manual Integrations
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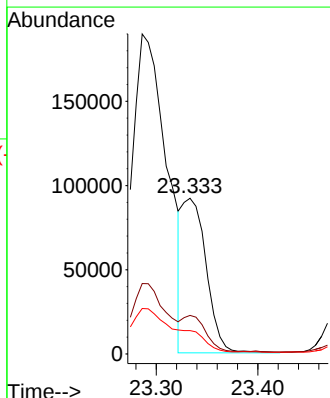
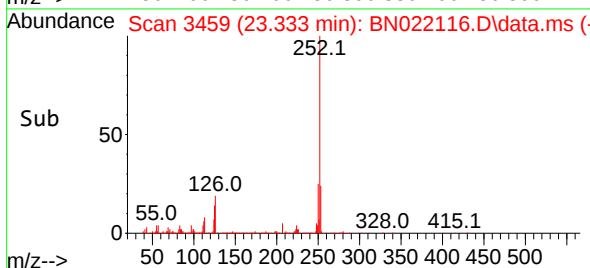
Reviewed By :Yogesh Patel 10/15/2022
Supervised By :mohammad ahmed 10/16/2022

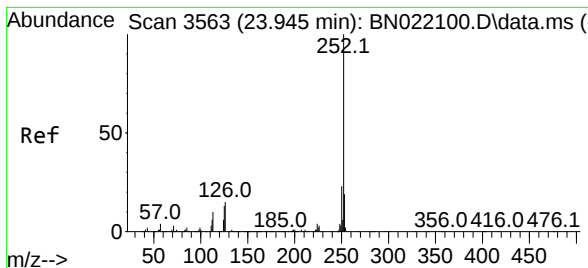


#91
Benzo(k)fluoranthene
Concen: 2.263 ng/ul m
RT: 23.333 min Scan# 3459
Delta R.T. -0.018 min
Lab File: BN022116.D
Acq: 14 Oct 2022 09:14



Tgt Ion:252 Resp: 150656
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 15.0 10.6 15.8





#93

Benzo(a)pyrene

Concen: 4.761 ng/ul

RT: 23.933 min Scan# 31

Delta R.T. -0.018 min

Lab File: BN022116.D

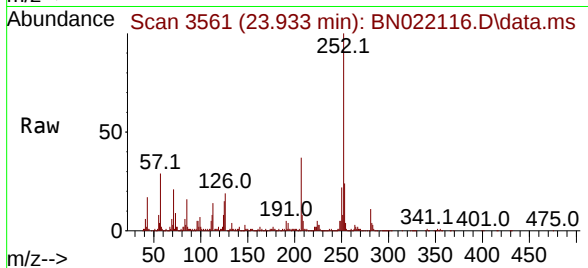
Acq: 14 Oct 2022 09:14

Instrument :

BNA_N

ClientSampleId :

C0BS4



Tgt Ion: 252 Resp: 28667

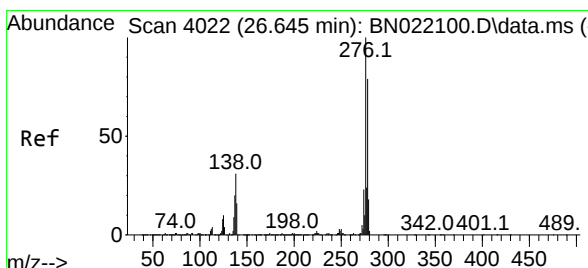
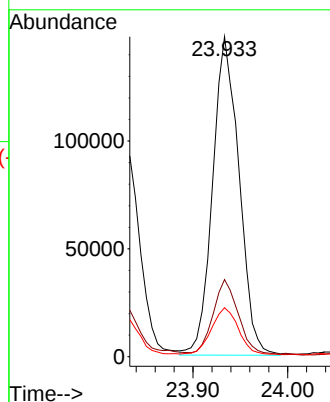
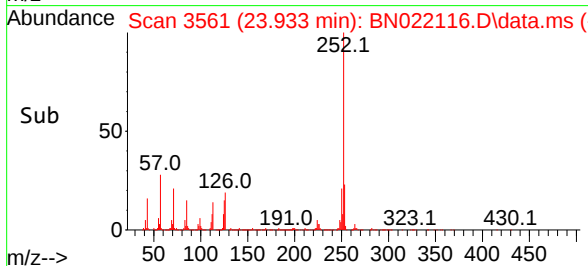
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	15.3	10.8	16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/15/2022

Supervised By :mohammad ahmed 10/16/2022



#94

Indeno(1,2,3-cd)pyrene

Concen: 2.268 ng/ul

RT: 26.621 min Scan# 4018

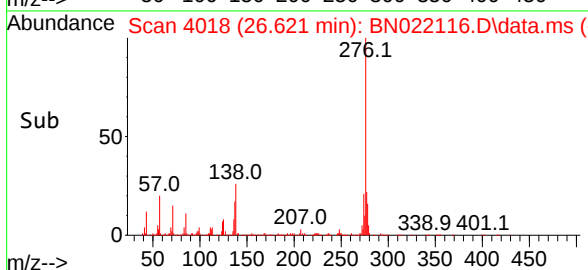
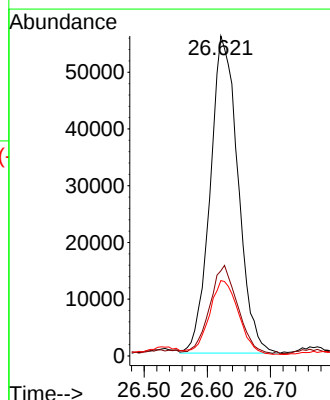
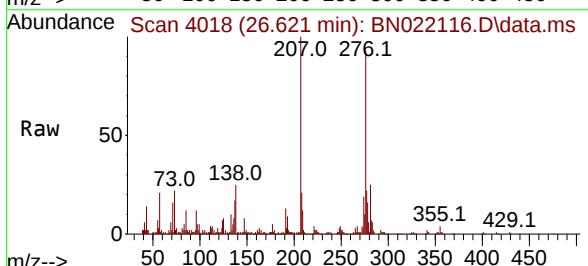
Delta R.T. -0.041 min

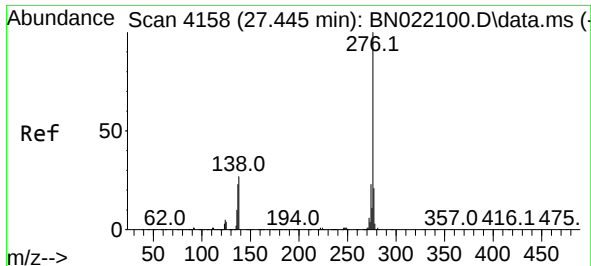
Lab File: BN022116.D

Acq: 14 Oct 2022 09:14

Tgt Ion: 276 Resp: 170688

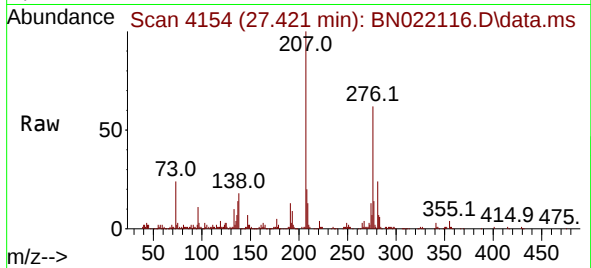
Ion	Ratio	Lower	Upper
276	100		
138	26.6	24.6	36.8
277	23.5	18.4	27.6





#96
 Benzo(g,h,i)perylene
 Concen: 1.889 ng/ul
 RT: 27.421 min Scan# 4154
 Delta R.T. -0.035 min
 Lab File: BN022116.D
 Acq: 14 Oct 2022 09:14

Instrument :
 BNA_N
 ClientSampleId :
 C0BS4



Tgt Ion:	276	Resp:	127899
Ion Ratio	Lower	Upper	
276	100		
138	28.3	21.2	31.8
277	22.2	17.9	26.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2022
 Supervised By :mohammad ahmed 10/16/2022

