

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070223\
 Data File : BP015921.D
 Acq On : 02 Jul 2023 12:53
 Operator : MA/JU
 Sample : 03243-21
 Misc :
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGE1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/03/2023
 Supervised By :mohammad ahmed 07/03/2023

Quant Time: Jul 02 14:24:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 06:12:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.046	152	287408	20.000	ng/ul	0.00
20) Naphthalene-d8	10.875	136	1280101	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.698	164	752230	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.463	188	1490056	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.551	240	938151	20.000	ng/ul	# 0.00
88) Perylene-d12	24.092	264	1090294	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.376	96	25302	3.167	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.234	99	492021	20.008	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.375	67	338165	22.227	ng/ul	0.00
11) 2-Chlorophenol-d4	7.581	132	399135	21.502	ng/ul	0.00
15) 4-Methylphenol-d8	8.793	113	379961	19.559	ng/ul	0.01
21) Nitrobenzene-d5	9.240	128	199888	20.432	ng/ul	0.00
24) 2-Nitrophenol-d4	9.975	143	212671	18.626	ng/ul	0.02
28) 2,4-Dichlorophenol-d3	10.546	165	364682	17.923	ng/ul	0.04
31) 4-Chloroaniline-d4	11.069	131	237827	9.099	ng/ul	0.04
46) Dimethylphthalate-d6	14.110	166	1227843	21.118	ng/ul	0.00
49) Acenaphthylene-d8	14.398	160	1378412	21.090	ng/ul	0.00
54) 4-Nitrophenol-d4	15.004	143	117900	15.366	ng/ul	0.05
60) Fluorene-d10	15.698	176	1018808	21.281	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.875	200	88846	9.695	ng/ul	0.02
73) Anthracene-d10	17.563	188	1374415	20.193	ng/ul	0.00
81) Pyrene-d10	19.786	212	1409712	23.012	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.927	264	1173838	21.343	ng/ul	0.00
Target Compounds						
					Qvalue	
80) Fluoranthene	19.469	202	333171	4.376	ng/ul#	93
82) Pyrene	19.816	202	293554	3.780	ng/ul#	88
85) Benzo(a)anthracene	21.533	228	150728	2.284	ng/ul#	96
87) Chrysene	21.592	228	183159	2.925	ng/ul	96
90) Benzo(b)fluoranthene	23.316	252	321987	4.596	ng/ul#	85
91) Benzo(k)fluoranthene	23.357	252	107875m	1.524	ng/ul	
93) Benzo(a)pyrene	23.980	252	157680	2.576	ng/ul#	91
94) Indeno(1,2,3-cd)pyrene	26.810	276	159635	1.921	ng/ul#	93
96) Benzo(g,h,i)perylene	27.651	276	142138	2.079	ng/ul#	94

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

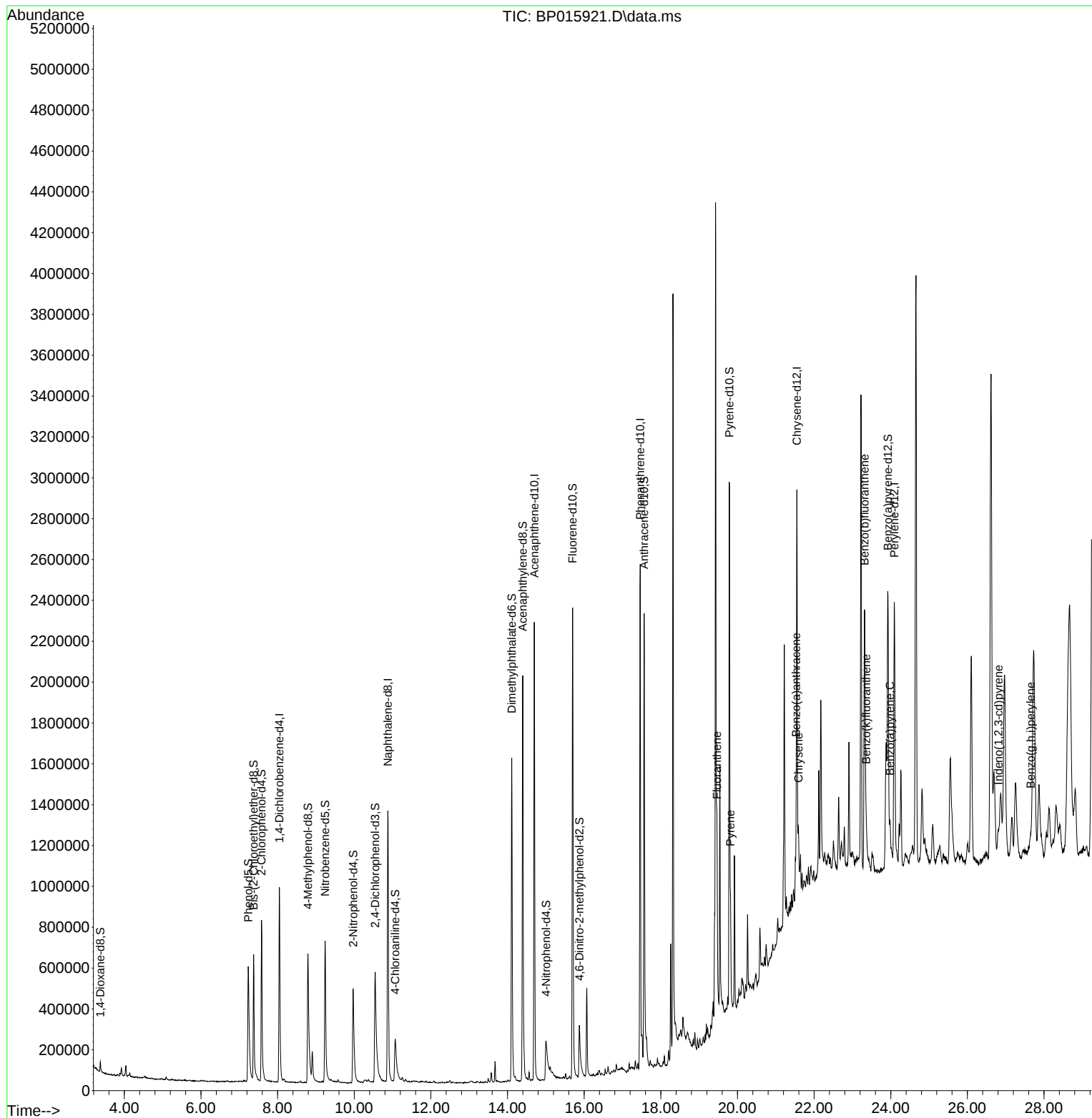
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070223\
Data File : BP015921.D
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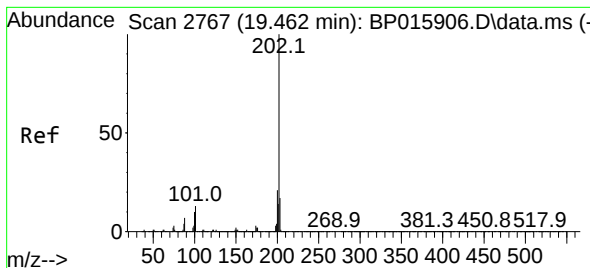
Instrument :
BNA_P
ClientSampleId :
DCGE1

Quant Time: Jul 02 14:24:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jul 02 06:12:16 2023
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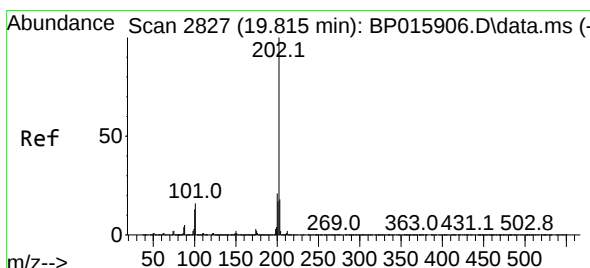
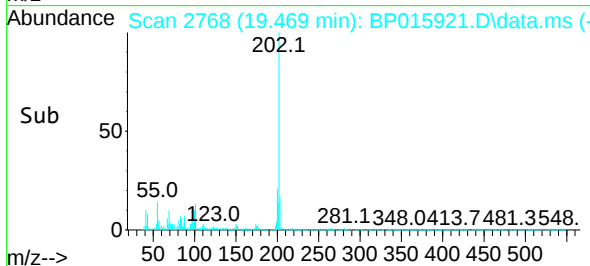
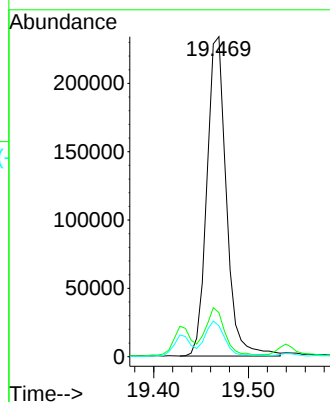
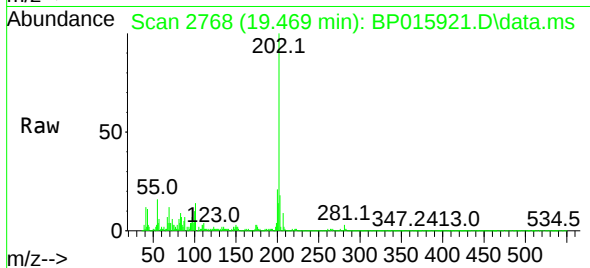
#80
Fluoranthene
Concen: 4.376 ng/u1
RT: 19.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP015921.D
Acq: 02 Jul 2023 12:53

Instrument :
BNA_P
ClientSampleId :
DCGE1

Tgt Ion:202 Resp: 33317
Ion Ratio Lower Upper
202 100
101 13.7 8.3 12.5
100 9.7 6.6 9.8

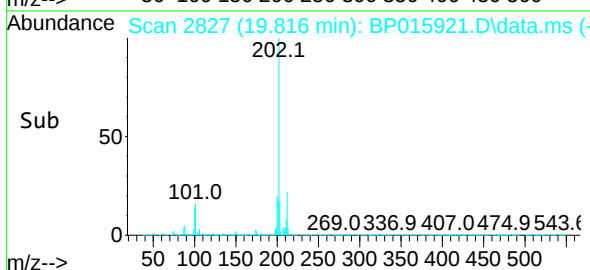
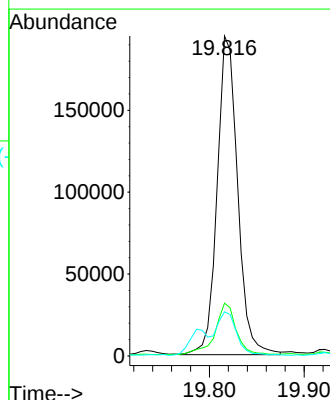
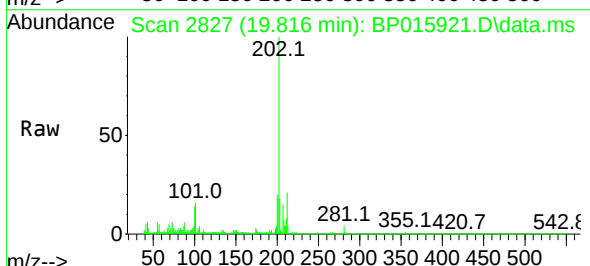
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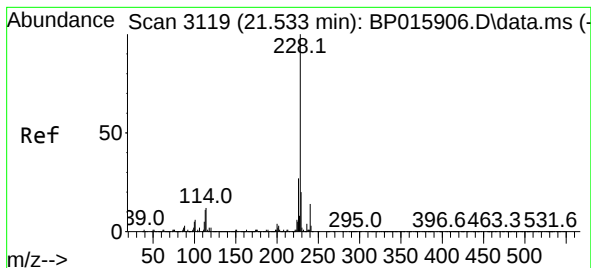
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#82
Pyrene
Concen: 3.780 ng/u1
RT: 19.816 min Scan# 2827
Delta R.T. 0.000 min
Lab File: BP015921.D
Acq: 02 Jul 2023 12:53

Tgt Ion:202 Resp: 293554
Ion Ratio Lower Upper
202 100
101 16.5 9.3 13.9#
100 13.8 7.6 11.4#





#85

Benzo(a)anthracene

Concen: 2.284 ng/ul

RT: 21.533 min Scan# 3119

Delta R.T. 0.000 min

Lab File: BP015921.D

Acq: 02 Jul 2023 12:53

Instrument :

BNA_P

ClientSampleId :

DCGE1

Tgt Ion:228 Resp: 150728

Ion Ratio Lower Upper

228 100

229 23.5 15.3 22.9

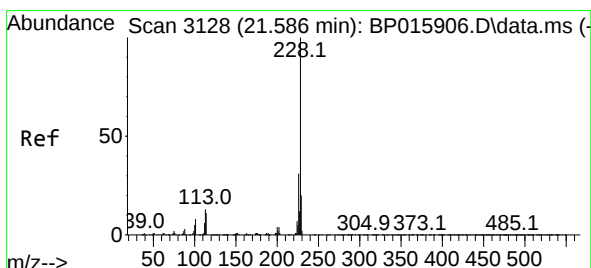
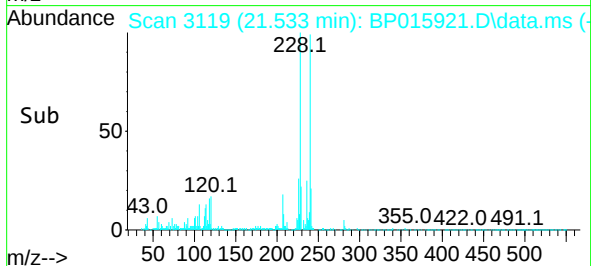
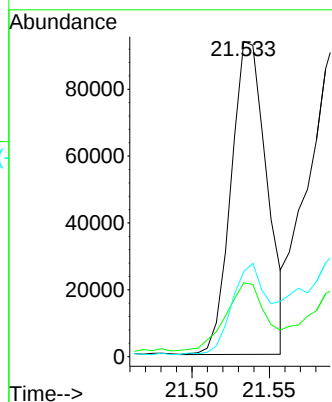
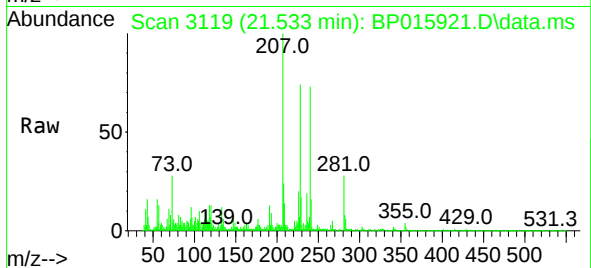
226 27.0 21.4 32.0

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#87

Chrysene

Concen: 2.925 ng/ul

RT: 21.592 min Scan# 3129

Delta R.T. 0.006 min

Lab File: BP015921.D

Acq: 02 Jul 2023 12:53

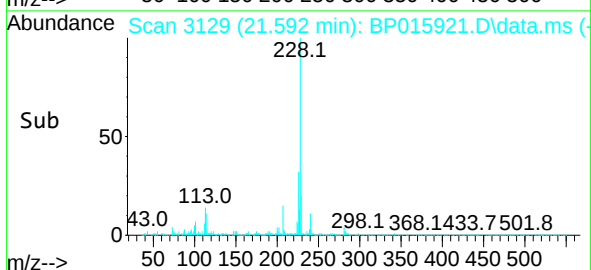
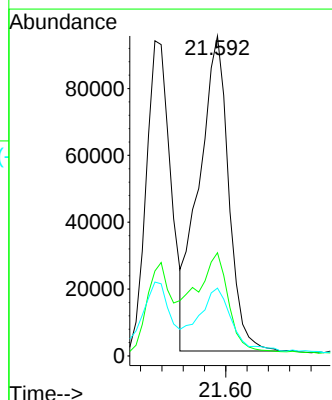
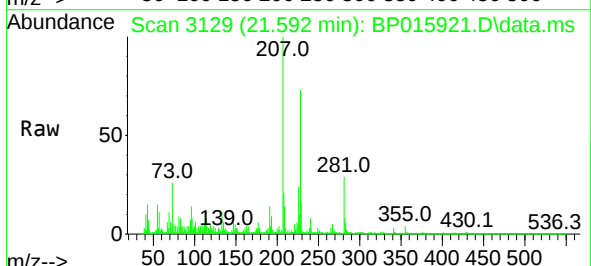
Tgt Ion:228 Resp: 183159

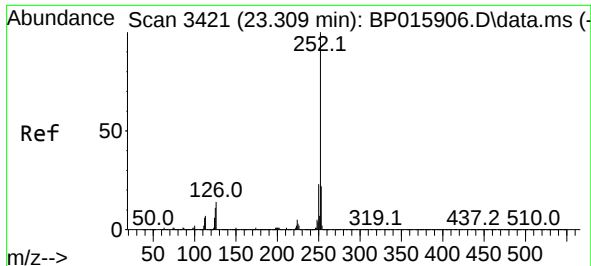
Ion Ratio Lower Upper

228 100

226 32.2 24.3 36.5

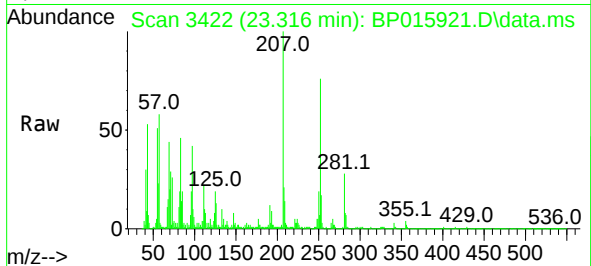
229 21.2 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 4.596 ng/ul
RT: 23.316 min Scan# 3421
Delta R.T. 0.006 min
Lab File: BP015921.D
Acq: 02 Jul 2023 12:53

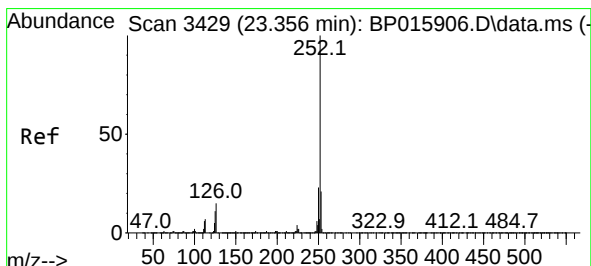
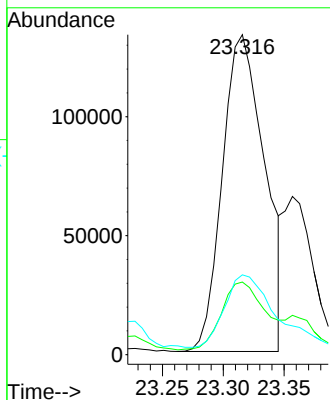
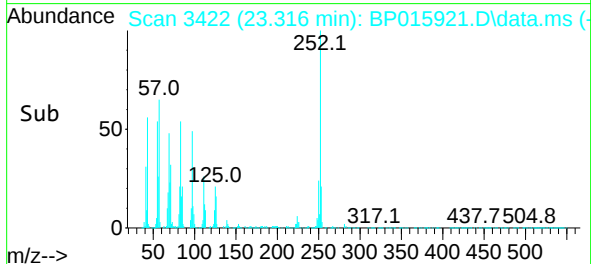
Instrument :
BNA_P
ClientSampleId :
DCGE1



Tgt Ion:252 Resp: 32198
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 24.9 7.5 11.3

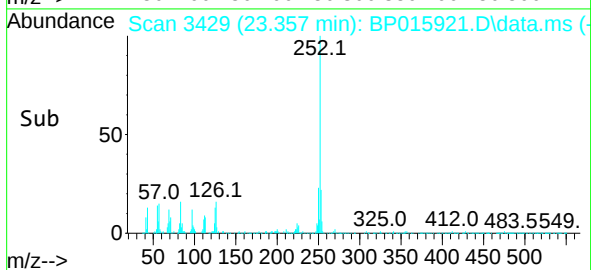
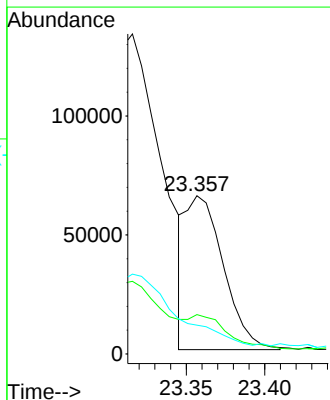
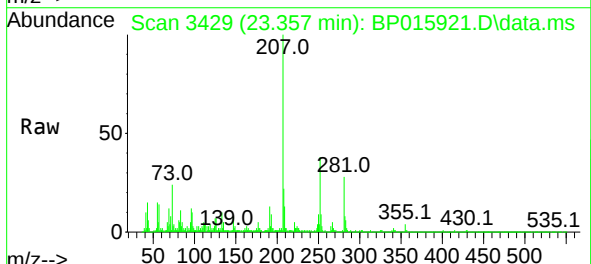
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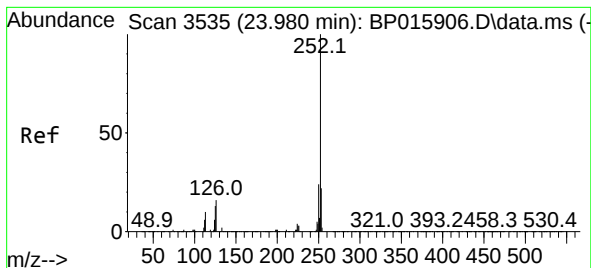
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/03/2023



#91
Benzo(k)fluoranthene
Concen: 1.524 ng/ul m
RT: 23.357 min Scan# 3429
Delta R.T. 0.000 min
Lab File: BP015921.D
Acq: 02 Jul 2023 12:53

Tgt Ion:252 Resp: 107875
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.4
125 18.2 7.3 10.9





#93

Benzo(a)pyrene

Concen: 2.576 ng/ul

RT: 23.980 min Scan# 3535

Delta R.T. 0.000 min

Lab File: BP015921.D

Acq: 02 Jul 2023 12:53

Instrument :

BNA_P

ClientSampleId :

DCGE1

Tgt Ion:252 Resp: 157680

Ion Ratio Lower Upper

252 100

253 24.9 17.7 26.5

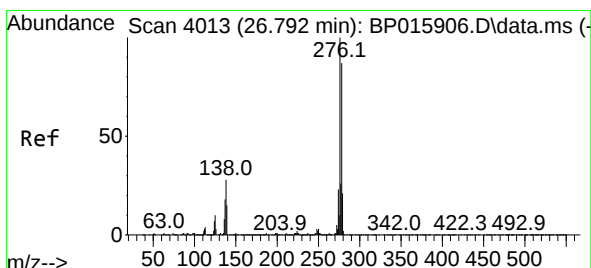
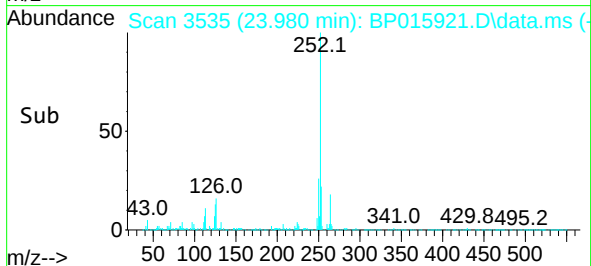
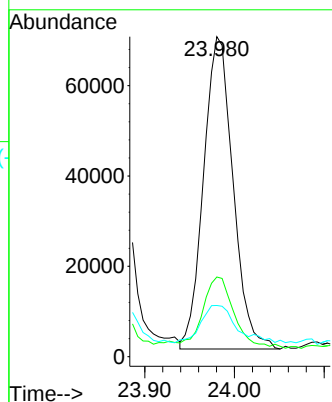
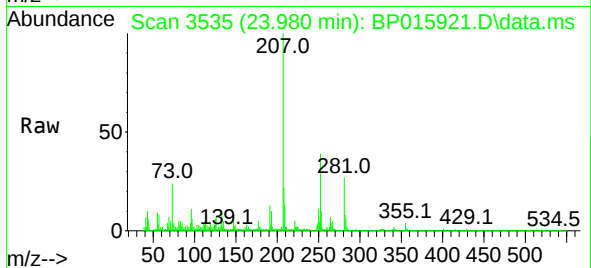
125 16.0 8.2 12.2

Manual Integrations

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#94

Indeno(1,2,3-cd)pyrene

Concen: 1.921 ng/ul

RT: 26.810 min Scan# 4016

Delta R.T. 0.018 min

Lab File: BP015921.D

Acq: 02 Jul 2023 12:53

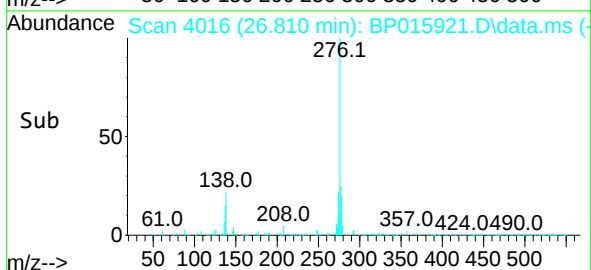
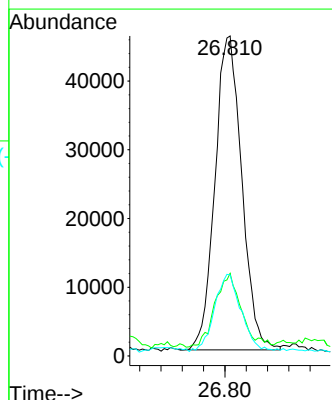
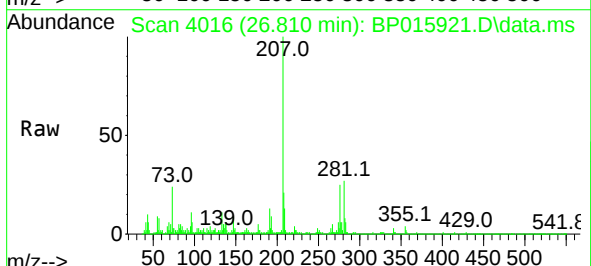
Tgt Ion:276 Resp: 159635

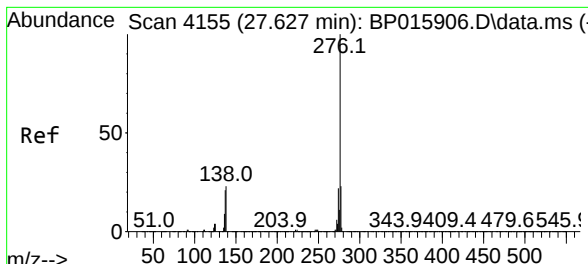
Ion Ratio Lower Upper

276 100

138 25.8 15.7 23.5

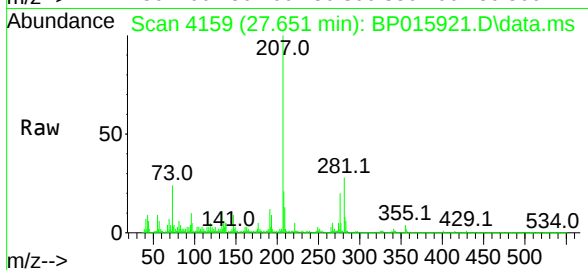
277 25.3 19.6 29.4





#96
 Benzo(g,h,i)perylene
 Concen: 2.079 ng/ul
 RT: 27.651 min Scan# 4159
 Delta R.T. 0.024 min
 Lab File: BP015921.D
 Acq: 02 Jul 2023 12:53

Instrument :
 BNA_P
 ClientSampleId :
 DCGE1



Tgt Ion: 276 Resp: 142138
 Ion Ratio Lower Upper
 276 100
 138 24.6 15.1 22.7
 277 24.2 18.8 28.2

Manual Integrations
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