Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
Data File : BG056575.D
Acq On : 7 Feb 2023 20:06
Operator : CG/JU
Sample : O1445-03 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 08 03:07:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 08 03:02:11 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

Manual Integrations APPROVED
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.267	152	48916	20.000	ng		0.00
21) Naphthalene-d8	11.105	136	176650	20.000	ng		0.00
39) Acenaphthene-d10	14.889	164	127588	20.000	ng		0.00
64) Phenanthrene-d10	17.633	188	283481	20.000	ng		0.00
76) Chrysene-d12	21.922	240	256269	20.000	ng	#	0.00
86) Perylene-d12	25.353	264	287338	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.800	112	28492	10.715	ng		0.00
7) Phenol-d6	7.421	99	39323	9.981	ng		0.00
23) Nitrobenzene-d5	9.448	82	21605	6.945	ng		0.00
42) 2,4,6-Tribromophenol	16.375	330	14781	8.714	ng		0.00
45) 2-Fluorobiphenyl	13.514	172	68681	7.463	ng		0.00
79) Terphenyl-d14	20.206	244	108127	7.411	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.674	178	277251	18.687	ng		98
72) Anthracene	17.762	178	60571	3.977	ng		99
75) Fluoranthene	19.666	202	625446	33.400	ng		100
78) Pyrene	20.030	202	636545	34.924	ng		99
81) Benzo(a)anthracene	21.904	228	286652	16.000	ng		100
83) Chrysene	21.969	228	271392m	16.124	ng		
87) Indeno(1,2,3-cd)pyrene	29.290	276	186249	8.855	ng	#	87
88) Benzo(b)fluoranthene	24.249	252	394432	22.116	ng		100
89) Benzo(k)fluoranthene	24.319	252	124068m	6.890	ng		
90) Benzo(a)pyrene	25.183	252	325367	18.520	ng		99
92) Benzo(g,h,i)perylene	30.547	276	197200	11.576	ng		95

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
Data File : BG056575.D
Acq On : 7 Feb 2023 20:06
Operator : CG/JU
Sample : O1445-03 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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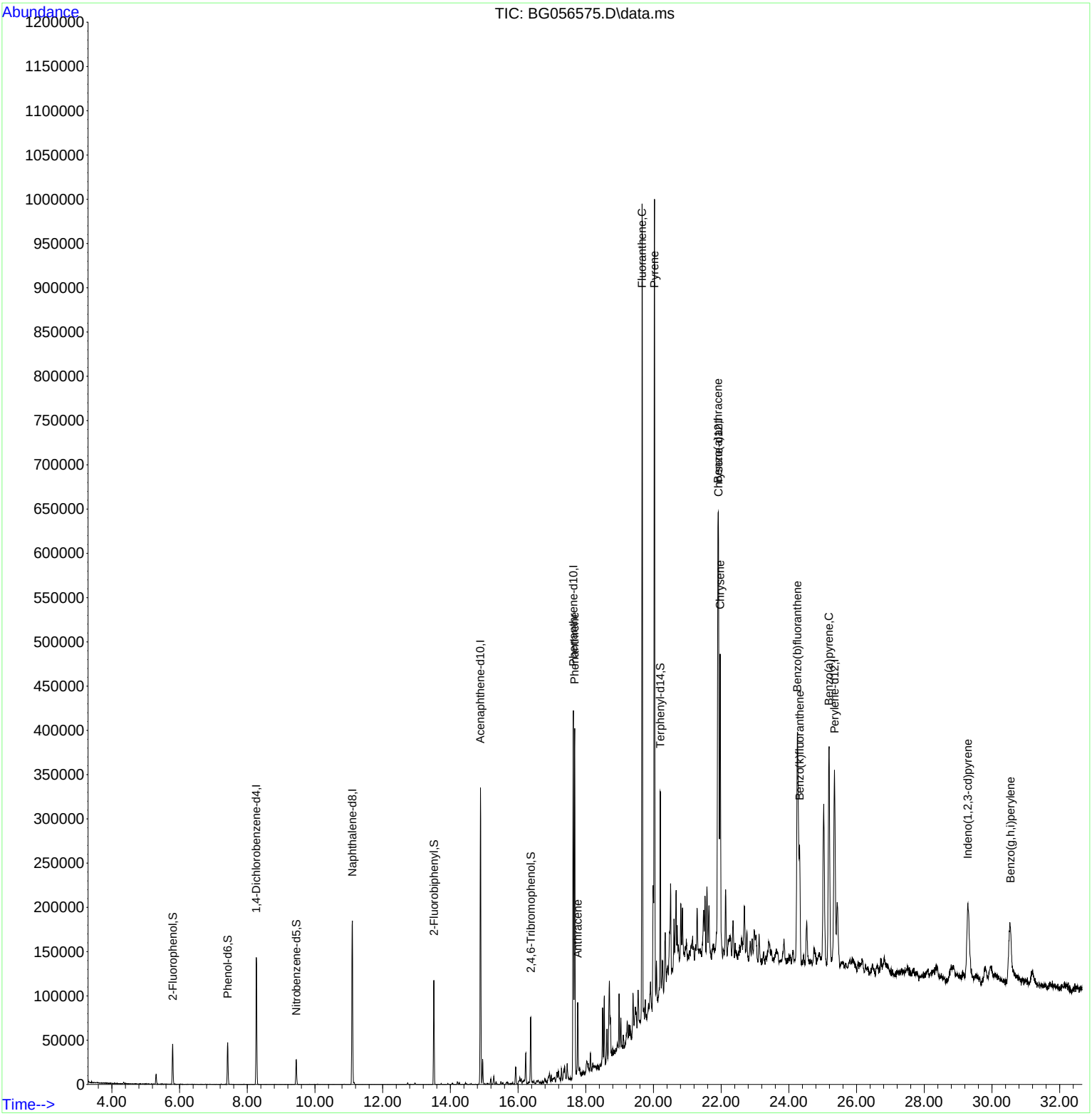

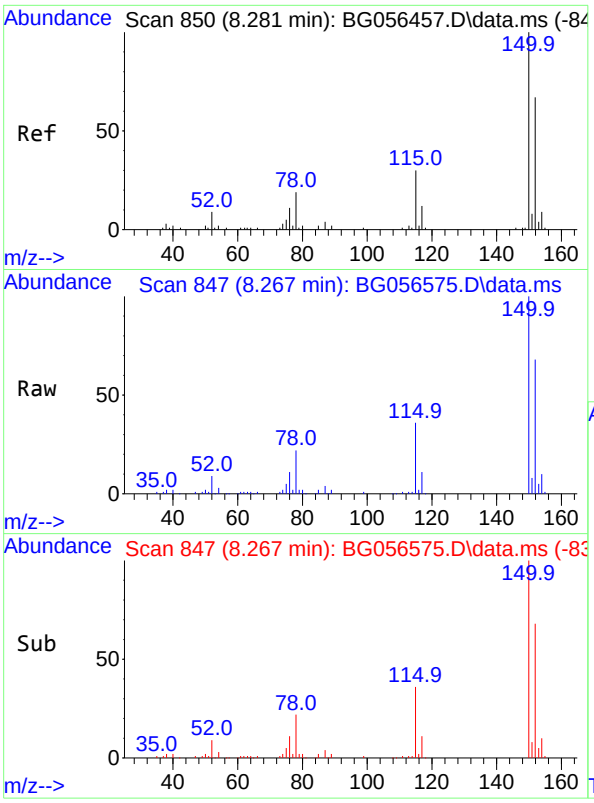

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.267 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:152 Resp: 4891

Ion	Ratio	Lower	Upper
152	100		
150	146.2	120.2	180.4
115	53.2	36.3	54.5

Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

Manual Integrations
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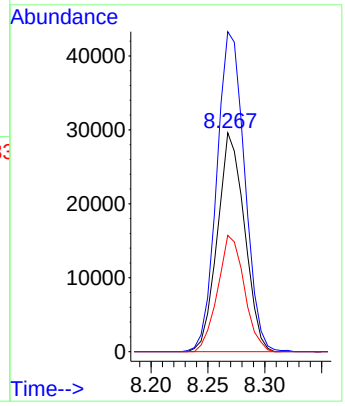
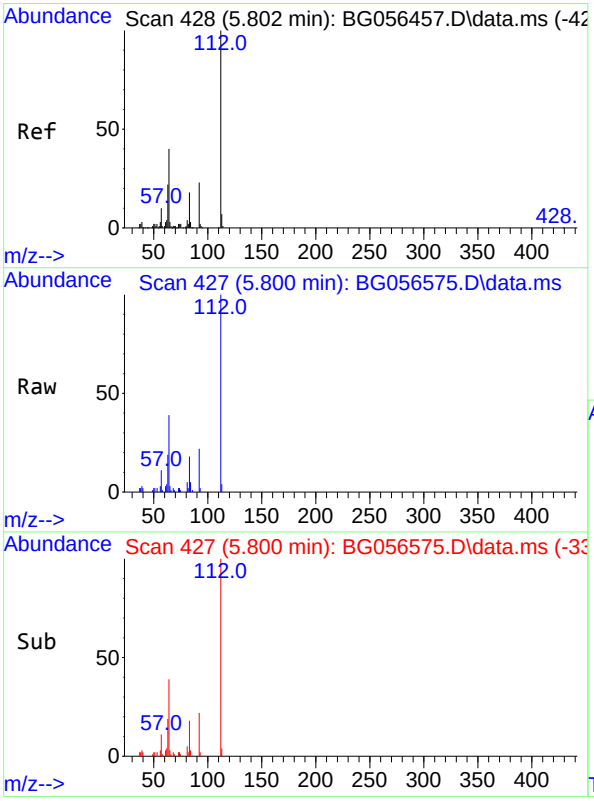
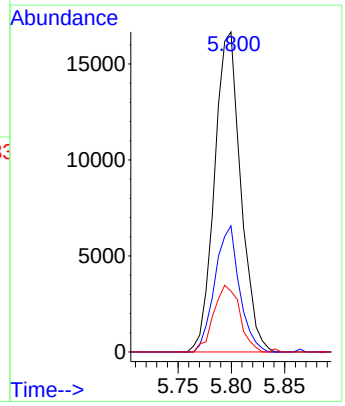


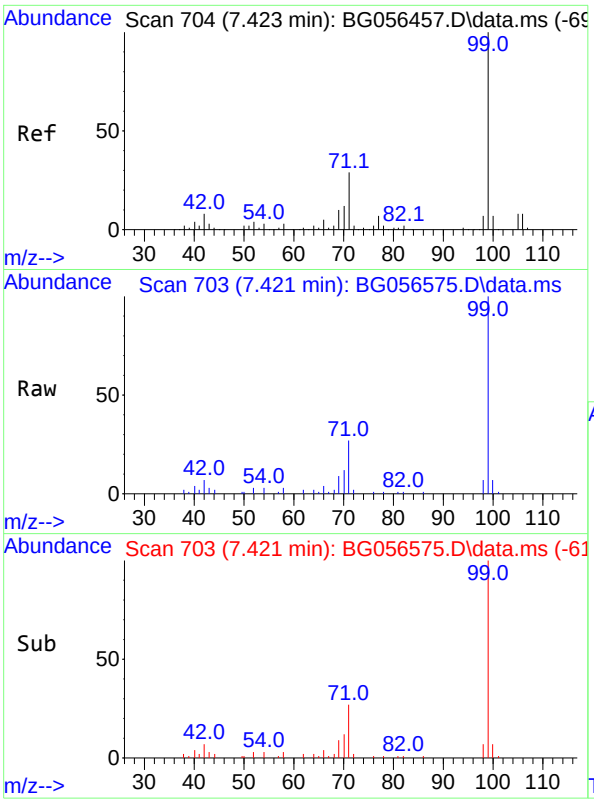


#5
2-Fluorophenol
Concen: 10.715 ng
RT: 5.800 min Scan# 427
Delta R.T. 0.010 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:112 Resp: 28492

Ion	Ratio	Lower	Upper
112	100		
64	39.4	31.9	47.9
63	19.0	17.4	26.0





#7
Phenol-d6
Concen: 9.981 ng
RT: 7.421 min Scan# 7(
Delta R.T. 0.004 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion: 99 Resp: 3932

Ion	Ratio	Lower	Upper
99	100		
42	6.6	6.6	10.0
71	26.8	23.4	35.0

Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

Manual Integrations
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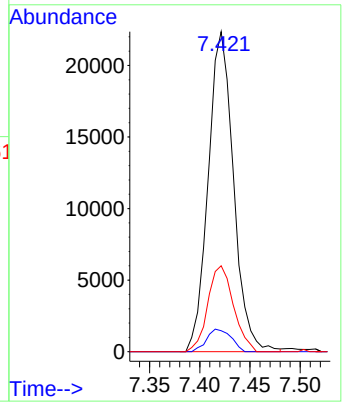
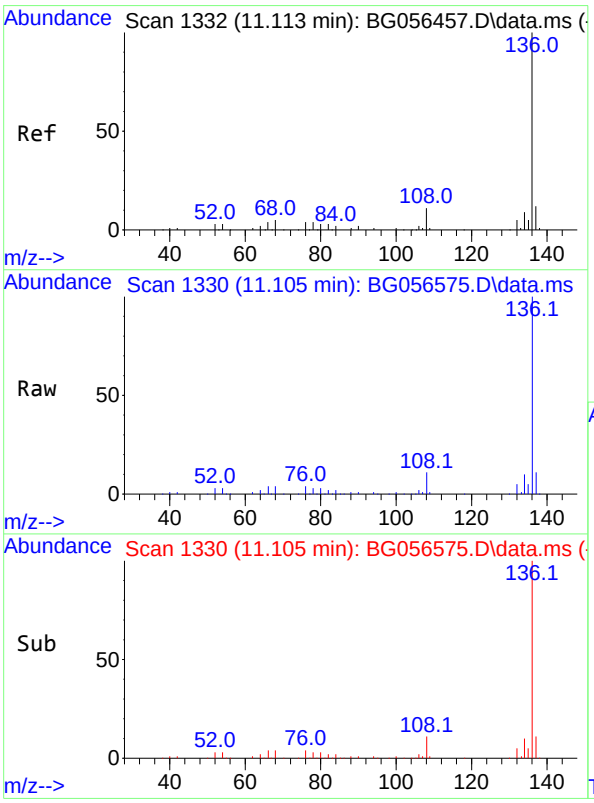
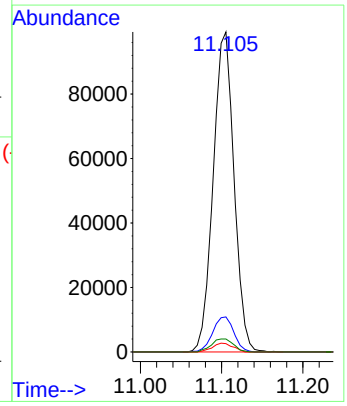


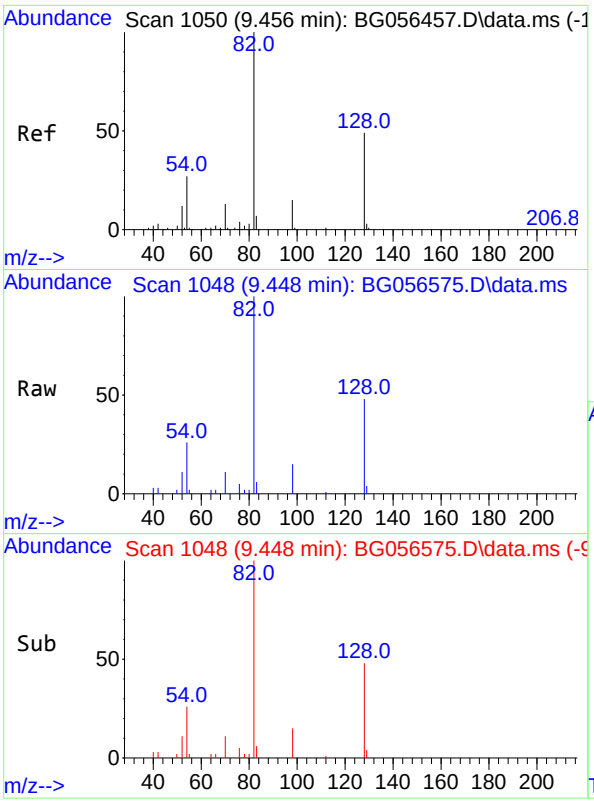


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.105 min Scan# 1330
Delta R.T. 0.004 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:136 Resp: 176650

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.4	14.0
54	2.6	2.2	3.4
68	4.0	3.6	5.4





#23
Nitrobenzene-d5
Concen: 6.945 ng
RT: 9.448 min Scan# 1(
Delta R.T. 0.004 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion: 82 Resp: 2160

Ion	Ratio	Lower	Upper
82	100		
128	48.4	39.4	59.2
54	26.1	21.4	32.2

Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

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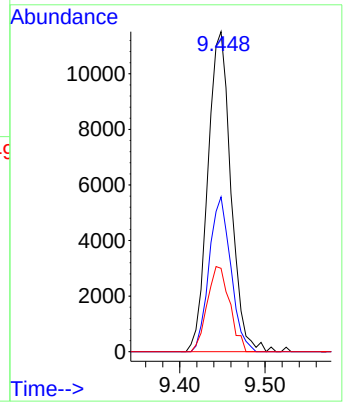
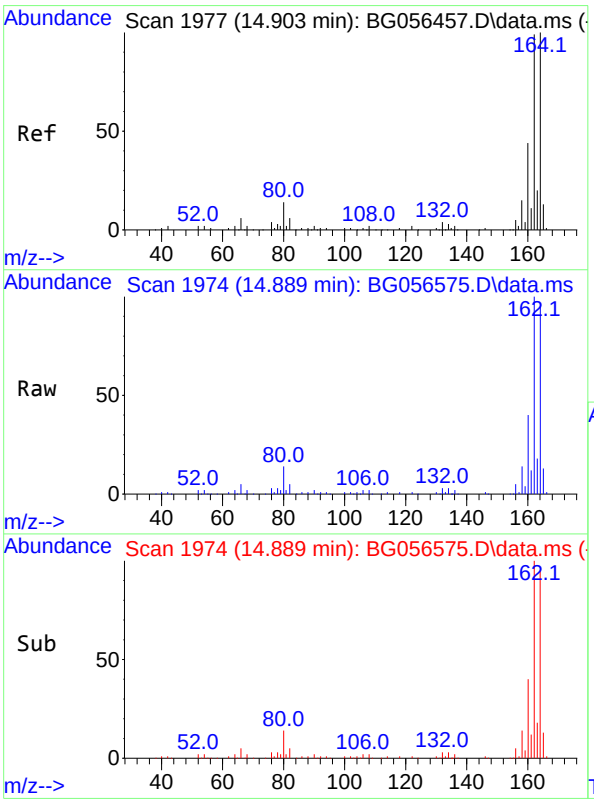
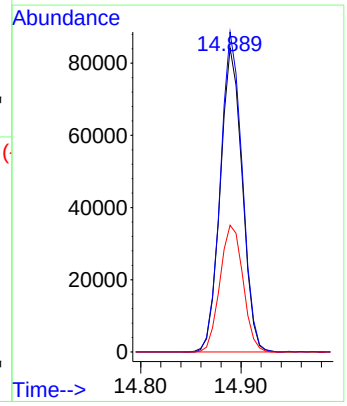


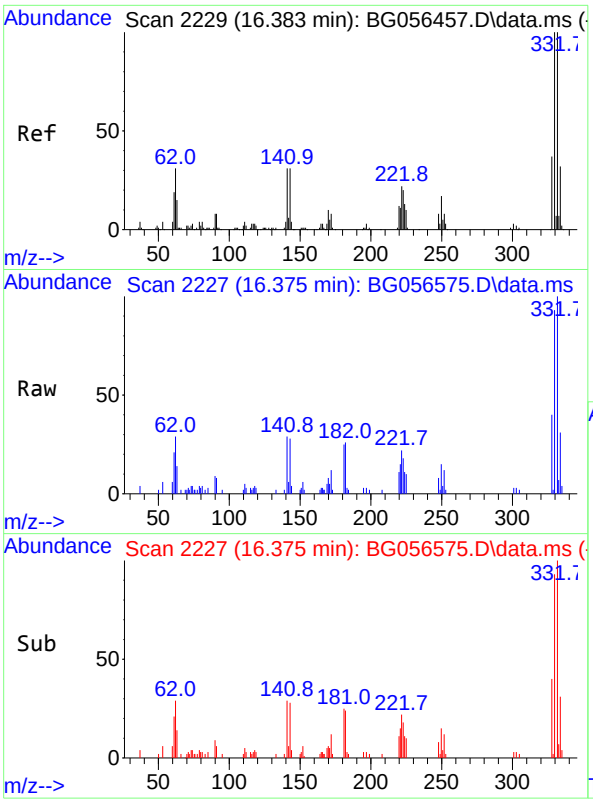


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.889 min Scan# 1974
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:164 Resp: 127588

Ion	Ratio	Lower	Upper
164	100		
162	105.3	79.6	119.4
160	41.7	34.9	52.3





#42
2,4,6-Tribromophenol
Concen: 8.714 ng
RT: 16.375 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

Tgt Ion:330 Resp: 1478

Ion	Ratio	Lower	Upper
330	100		
332	96.5	79.0	118.6
141	34.0	24.2	36.4

Manual Integrations
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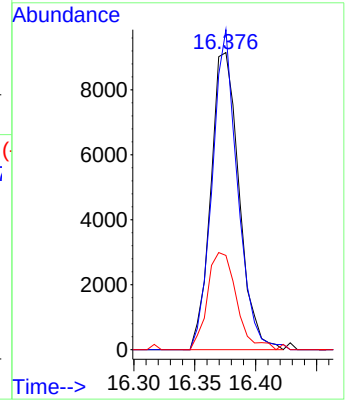
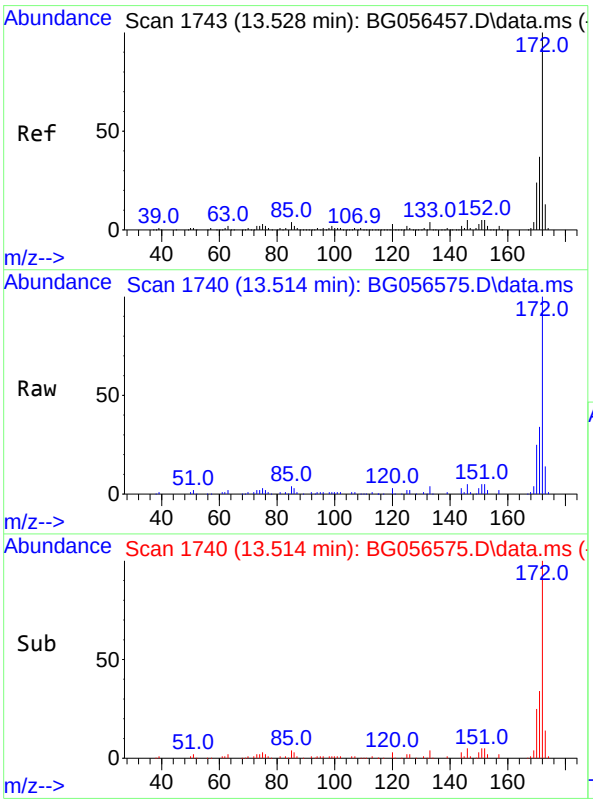
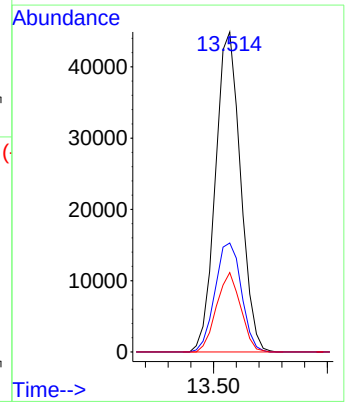


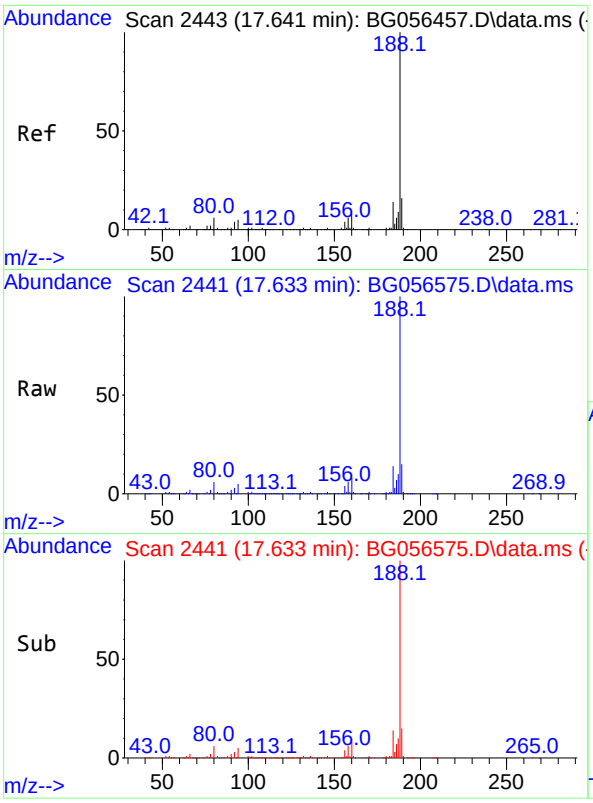


#45
2-Fluorobiphenyl
Concen: 7.463 ng
RT: 13.514 min Scan# 1740
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:172 Resp: 68681

Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.5	44.3
170	24.8	19.2	28.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.633 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

Tgt Ion:188 Resp: 28348

Ion	Ratio	Lower	Upper
188	100		
94	5.2	4.1	6.1
80	6.0	5.0	7.4

Manual Integrations
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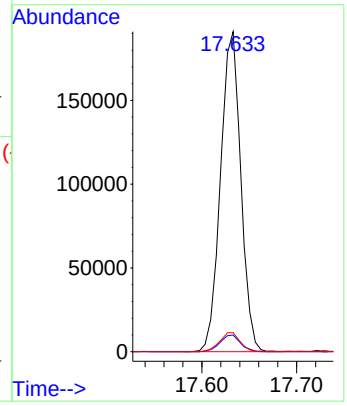
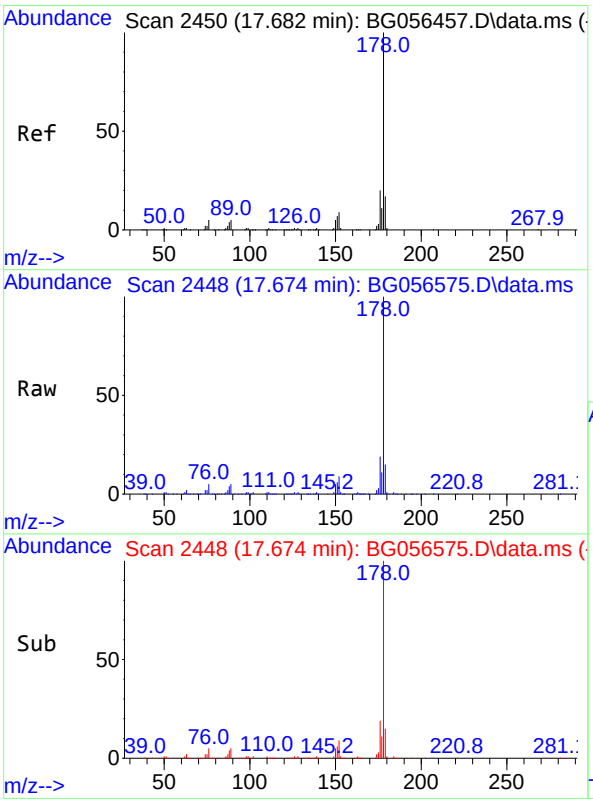
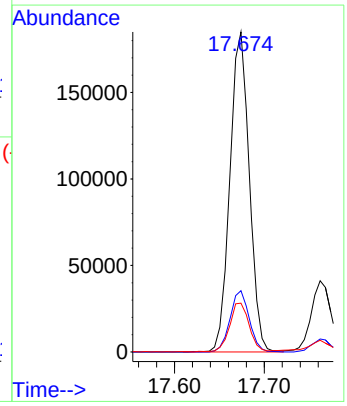


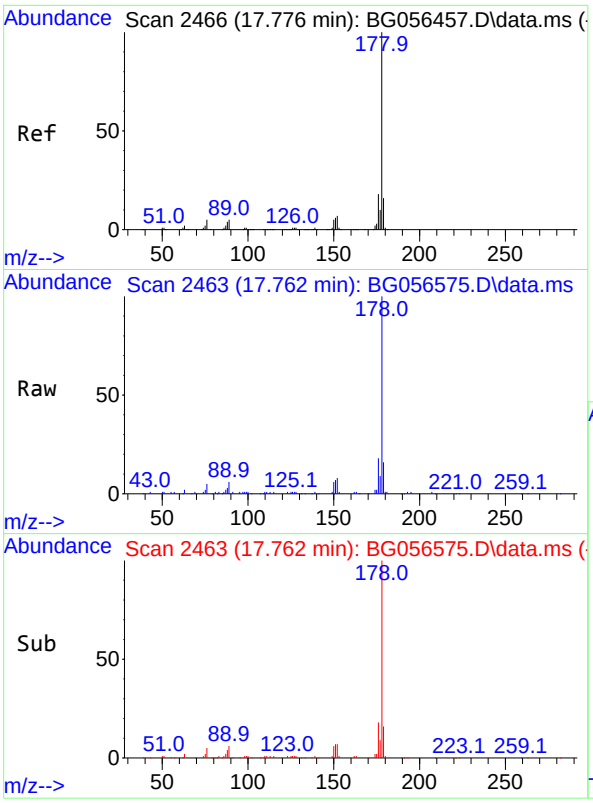


#71
Phenanthrene
Concen: 18.687 ng
RT: 17.674 min Scan# 2448
Delta R.T. 0.004 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:178 Resp: 277251

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	15.3	13.3	19.9





#72
Anthracene
Concen: 3.977 ng
RT: 17.762 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:178 Resp: 6057

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.5	21.7
179	16.3	12.5	18.7

Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

Manual Integrations
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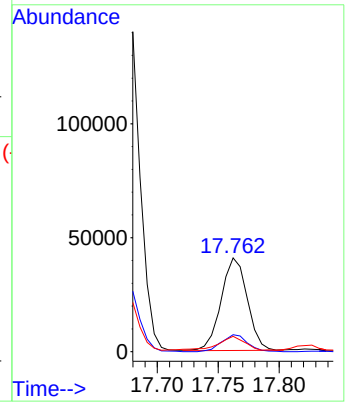
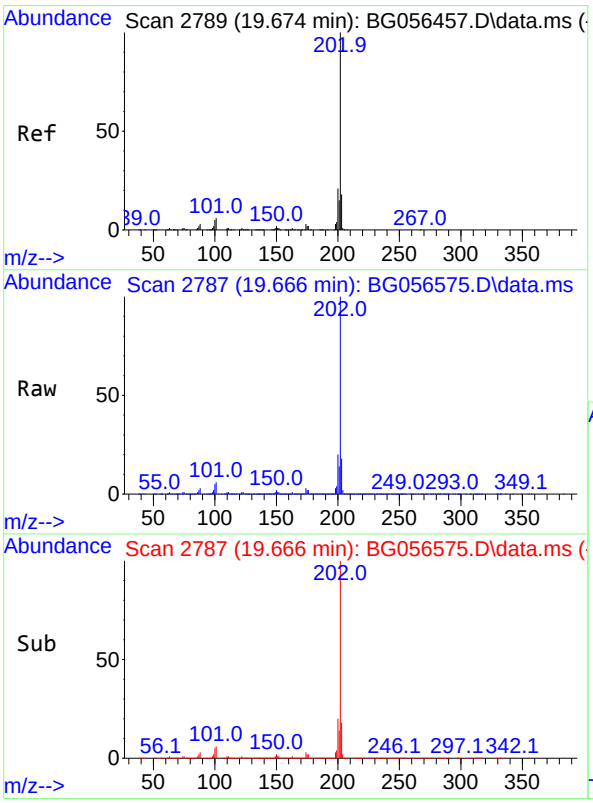
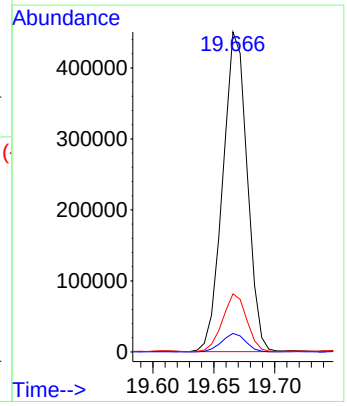


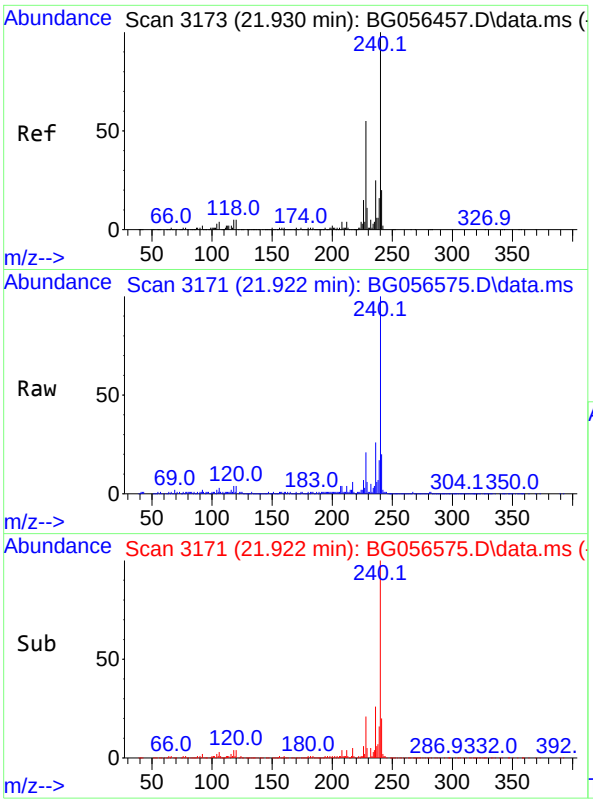


#75
Fluoranthene
Concen: 33.400 ng
RT: 19.666 min Scan# 2787
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:202 Resp: 625446

Ion	Ratio	Lower	Upper
202	100		
101	5.8	0.0	25.6
203	18.2	0.0	38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.922 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:240 Resp: 25626

Ion	Ratio	Lower	Upper
240	100		
120	3.7	3.8	5.8
236	26.3	20.2	30.2

Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

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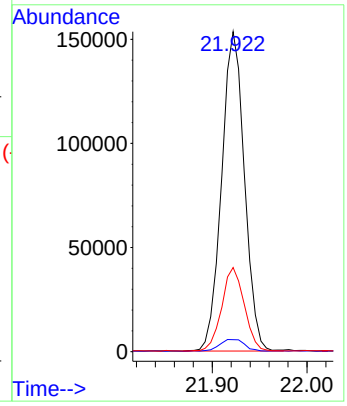
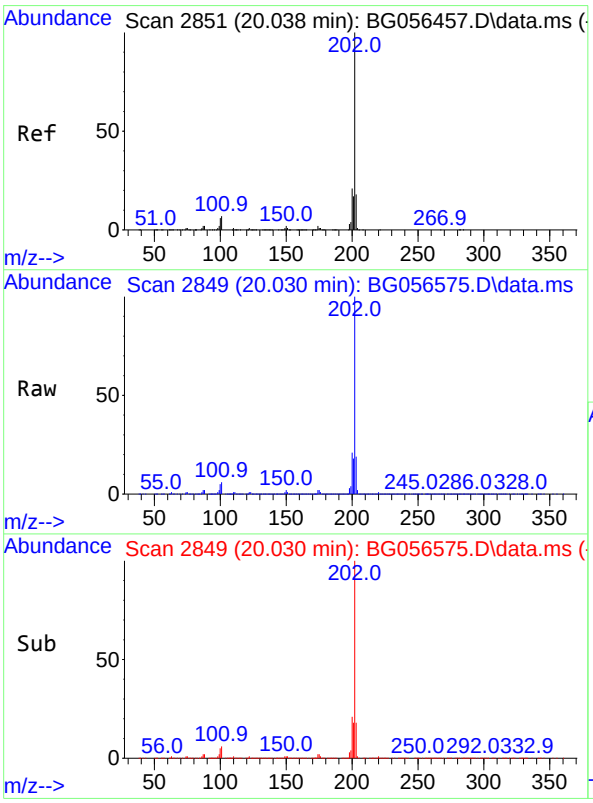
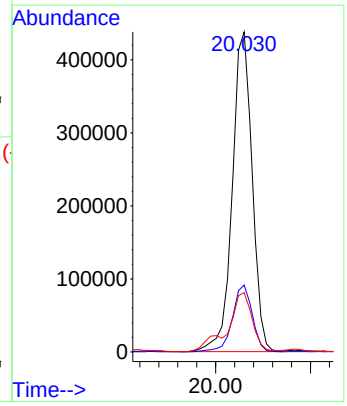


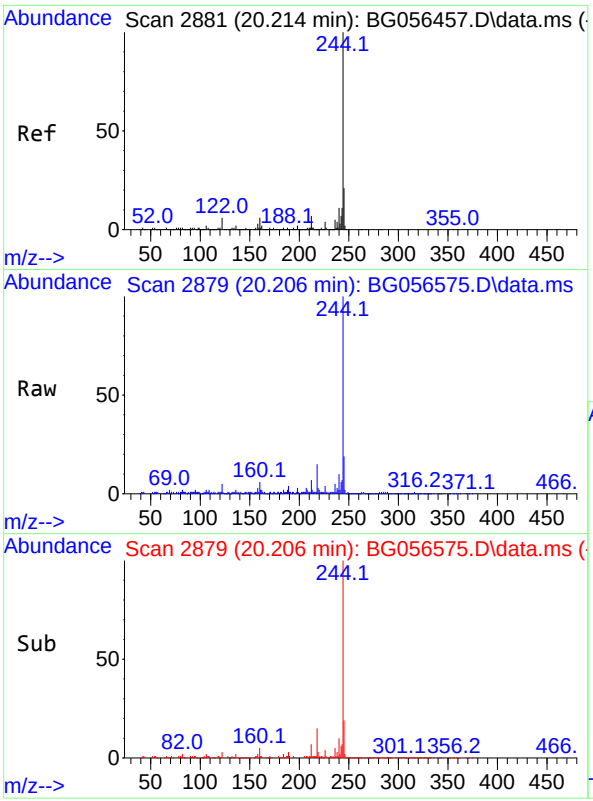


#78
Pyrene
Concen: 34.924 ng
RT: 20.030 min Scan# 2849
Delta R.T. 0.004 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:202 Resp: 636545

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	18.6	14.4	21.6





#79
Terphenyl-d14
Concen: 7.411 ng
RT: 20.206 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:244 Resp: 10812

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	4.5	4.4	6.6

Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

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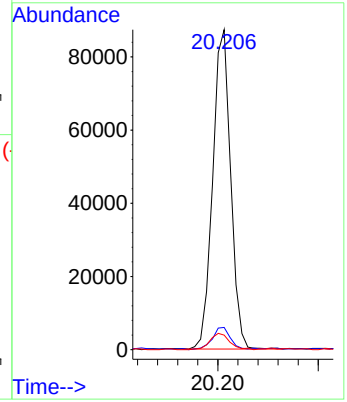
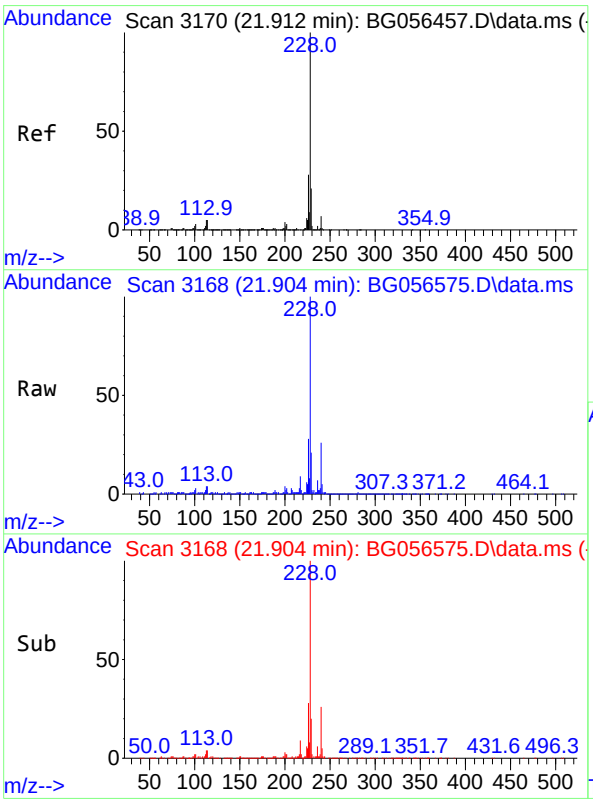
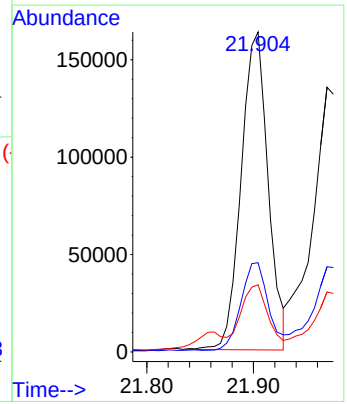


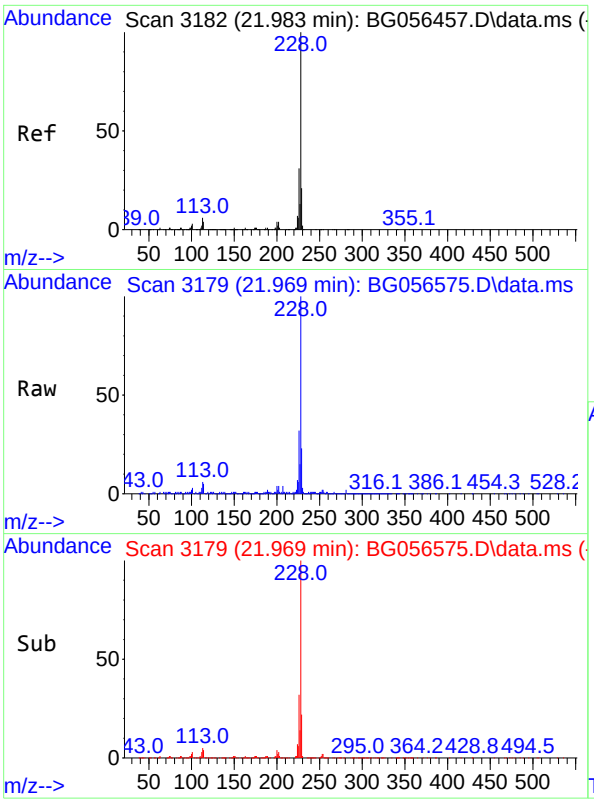


#81
Benzo(a)anthracene
Concen: 16.000 ng
RT: 21.904 min Scan# 3168
Delta R.T. 0.004 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:228 Resp: 286652

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.4	33.6
229	21.0	16.5	24.7





#83
Chrysene
Concen: 16.124 ng m
RT: 21.969 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:228 Resp: 27139

Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.0	37.4
229	22.7	16.4	24.6

Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

Manual Integrations
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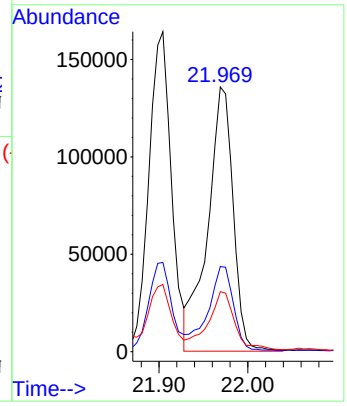
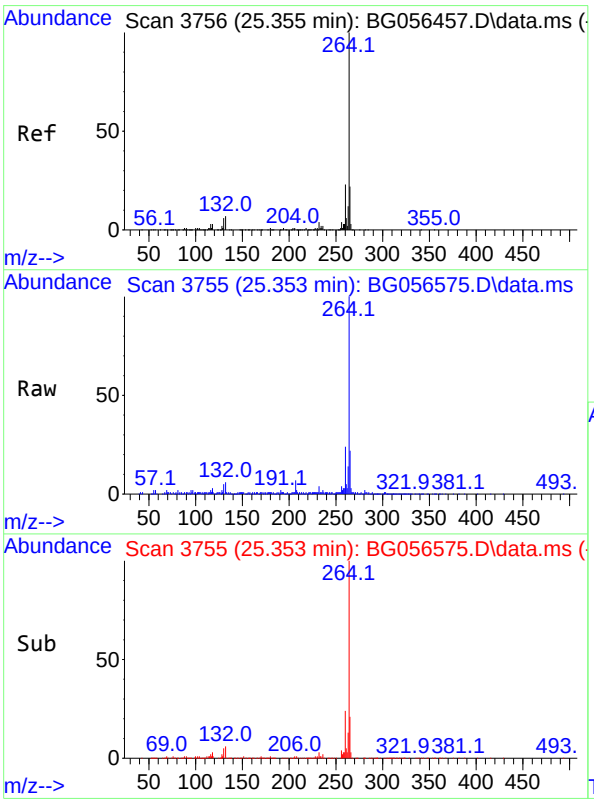
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023

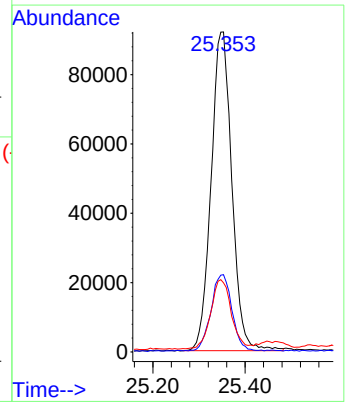


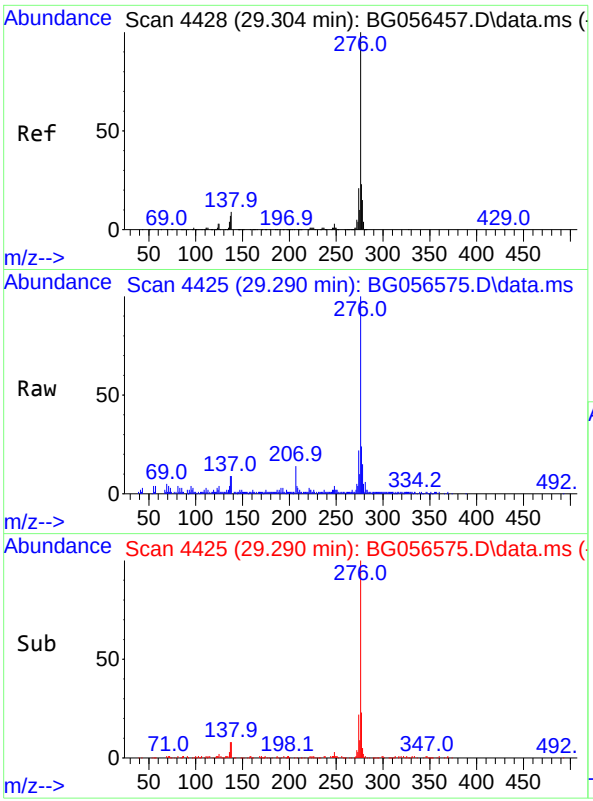


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.353 min Scan# 3755
Delta R.T. 0.016 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:264 Resp: 287338

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	21.6	18.1	27.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.855 ng
RT: 29.290 min Scan# 4
Delta R.T. 0.004 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:276 Resp: 18624

Ion	Ratio	Lower	Upper
276	100		
138	0.0	9.4	14.2
277	23.1	20.3	30.5

Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

Manual Integrations
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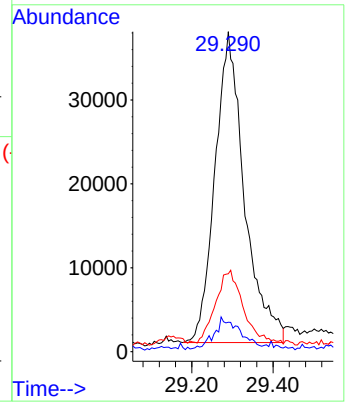
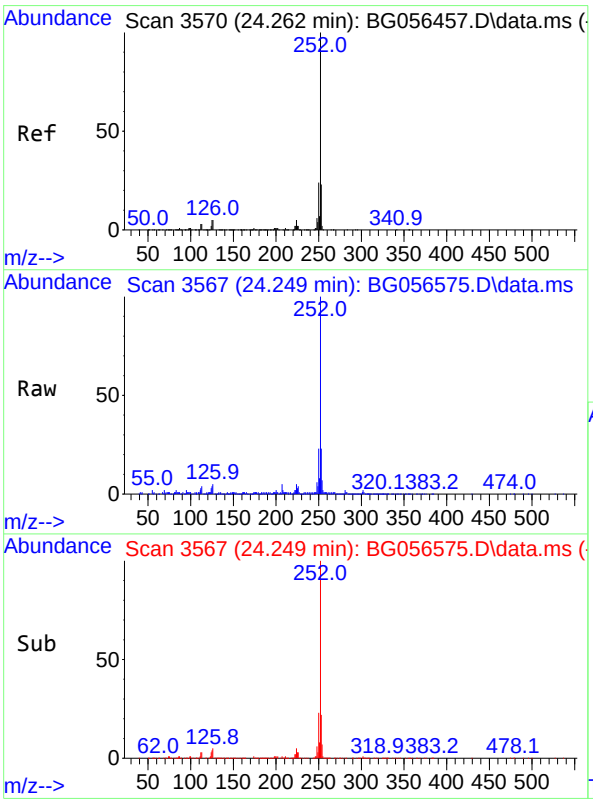
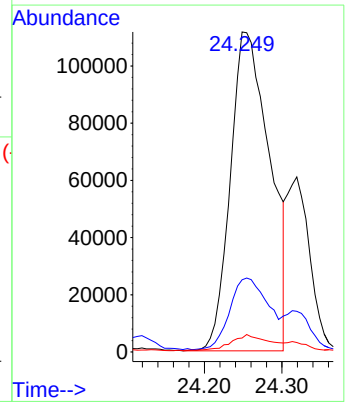


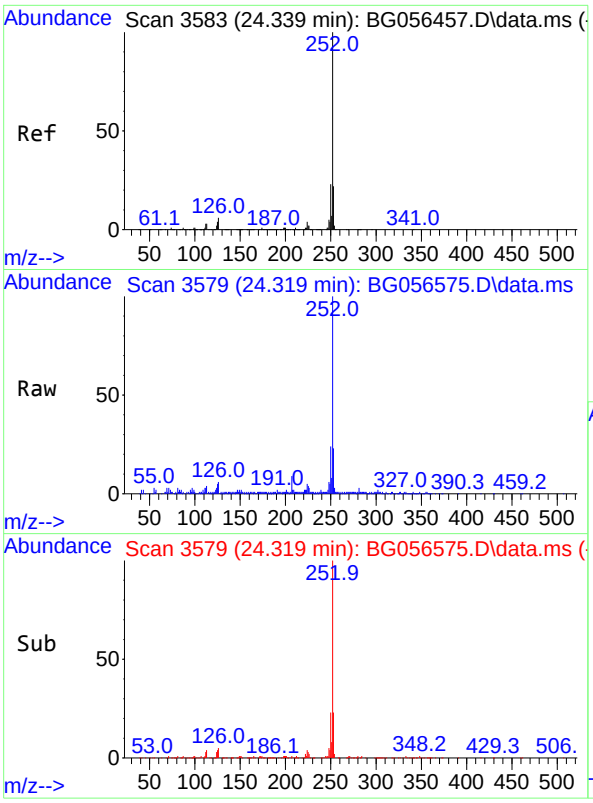


#88
Benzo(b)fluoranthene
Concen: 22.116 ng
RT: 24.249 min Scan# 3567
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:252 Resp: 394432

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	4.3	3.9	5.9





#89
Benzo(k)fluoranthene
Concen: 6.890 ng m
RT: 24.319 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:252 Resp: 12406

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	5.4	3.4	5.0

Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

Manual Integrations
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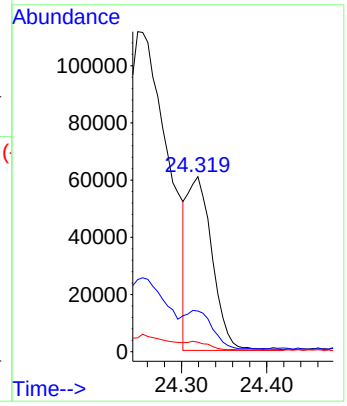
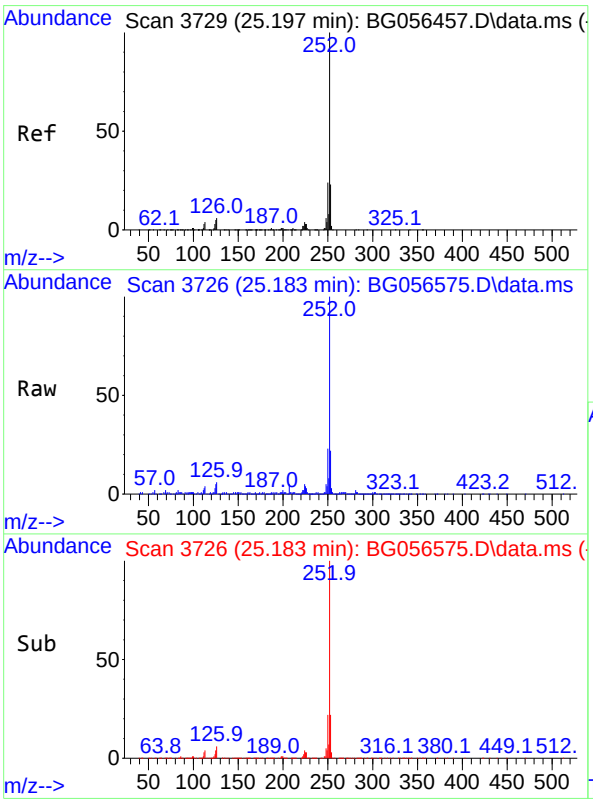
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023

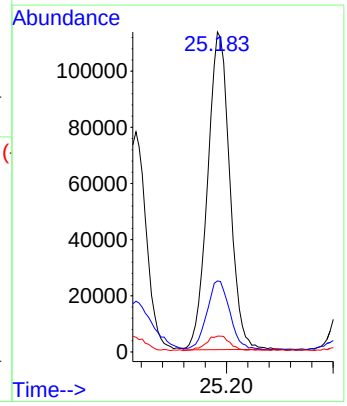


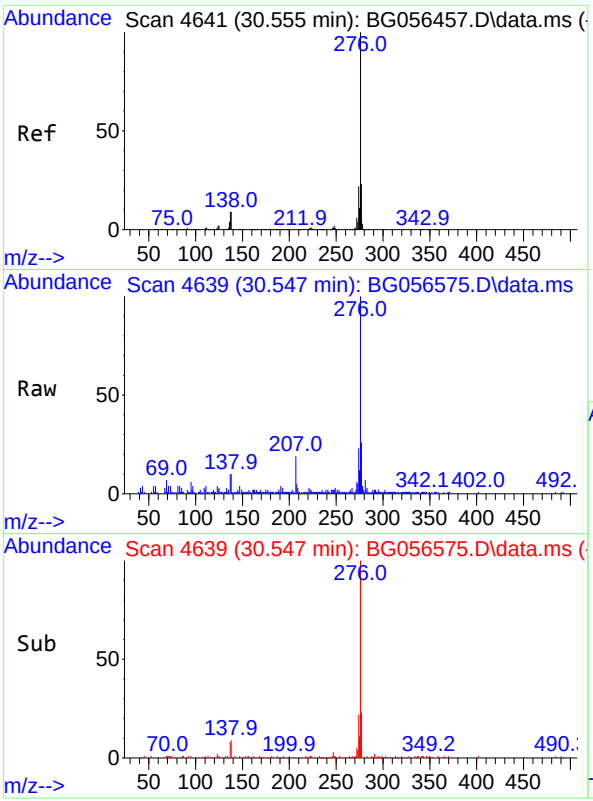


#90
Benzo(a)pyrene
Concen: 18.520 ng
RT: 25.183 min Scan# 3726
Delta R.T. 0.004 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:252 Resp: 325367

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	5.0	4.1	6.1





#92
Benzo(g,h,i)perylene
Concen: 11.576 ng
RT: 30.547 min Scan# 4
Delta R.T. 0.021 min
Lab File: BG056575.D
Acq: 7 Feb 2023 20:06

Tgt Ion:276 Resp: 19720

Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.5	27.7
138	10.2	7.4	11.0

Instrument :
BNA_G
ClientSampleId :
JPP-26-020323

Manual Integrations
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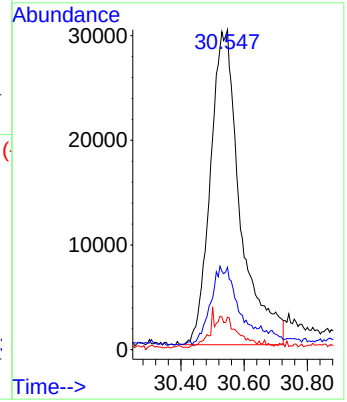
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023