

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051923\
 Data File : BP05177.D
 Acq On : 19 May 2023 17:36
 Operator : CG/JU
 Sample : 02664-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 JREA5

Quant Time: May 19 22:54:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP051123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 19 01:07:51 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/22/2023
 Supervised By :Jagrut Upadhyay 05/22/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.128	152	335053	20.000	ng/u1	0.00
20) Naphthalene-d8	10.957	136	1467421	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.763	164	898614	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.516	188	1315868	20.000	ng/u1	0.00
79) Chrysene-d12	21.592	240	901439	20.000	ng/u1	0.00
88) Perylene-d12	24.162	264	924524	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.434	96	19368	2.246	ng/uL	0.00
4) Pyridine-d5	3.887	84	44729	1.830	ng/u1	0.02
7) Phenol-d5	7.275	99	651705	20.949	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.446	67	378337	21.057	ng/u1	0.00
11) 2-Chlorophenol-d4	7.651	132	502265	21.959	ng/u1	0.00
15) 4-Methylphenol-d8	8.834	113	517558	20.879	ng/u1	0.00
21) Nitrobenzene-d5	9.298	128	247932	21.502	ng/u1	0.00
24) 2-Nitrophenol-d4	10.028	143	279033	21.748	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.569	165	542411	23.428	ng/u1	0.00
31) 4-Chloroaniline-d4	11.092	131	325023	9.488	ng/u1	0.00
46) Dimethylphthalate-d6	14.169	166	1727774	25.444	ng/u1	0.00
49) Acenaphthylene-d8	14.457	160	1979765	25.492	ng/u1	0.00
54) 4-Nitrophenol-d4	14.957	143	282258	21.407	ng/u1	0.00
60) Fluorene-d10	15.757	176	1092753	19.071	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.874	200	155823	18.790	ng/u1	0.00
73) Anthracene-d10	17.616	188	1674703	27.794	ng/u1	0.00
81) Pyrene-d10	19.839	212	1718092	32.862	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.992	264	1305975	28.456	ng/u1	0.00
Target Compounds						Qvalue
16) Acetophenone	8.957	105	172654	4.463	ng/u1	93
71) Pentachlorophenol	17.163	266	220832	22.042	ng/u1	99
72) Phenanthrene	17.557	178	94357	1.317	ng/u1	97
74) Anthracene	17.651	178	155120	2.141	ng/u1	98
80) Fluoranthene	19.510	202	184442	2.894	ng/u1	98
82) Pyrene	19.863	202	205296	3.120	ng/u1	98
85) Benzo(a)anthracene	21.574	228	84792	1.360	ng/u1#	68
86) Bis(2-ethylhexyl)phtha...	21.474	149	254422	6.058	ng/u1#	98
87) Chrysene	21.609	228	270700m	4.543	ng/u1	
90) Benzo(b)fluoranthene	23.368	252	540634	9.224	ng/u1#	93
91) Benzo(k)fluoranthene	23.415	252	104921m	1.864	ng/u1	
93) Benzo(a)pyrene	24.045	252	105049	2.028	ng/u1#	72
94) Indeno(1,2,3-cd)pyrene	26.868	276	297541	4.436	ng/u1#	92
95) Dibenzo(a,h)anthracene	26.880	278	67892	1.233	ng/u1#	67
96) Benzo(g,h,i)perylene	27.709	276	308594	5.642	ng/u1	95

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

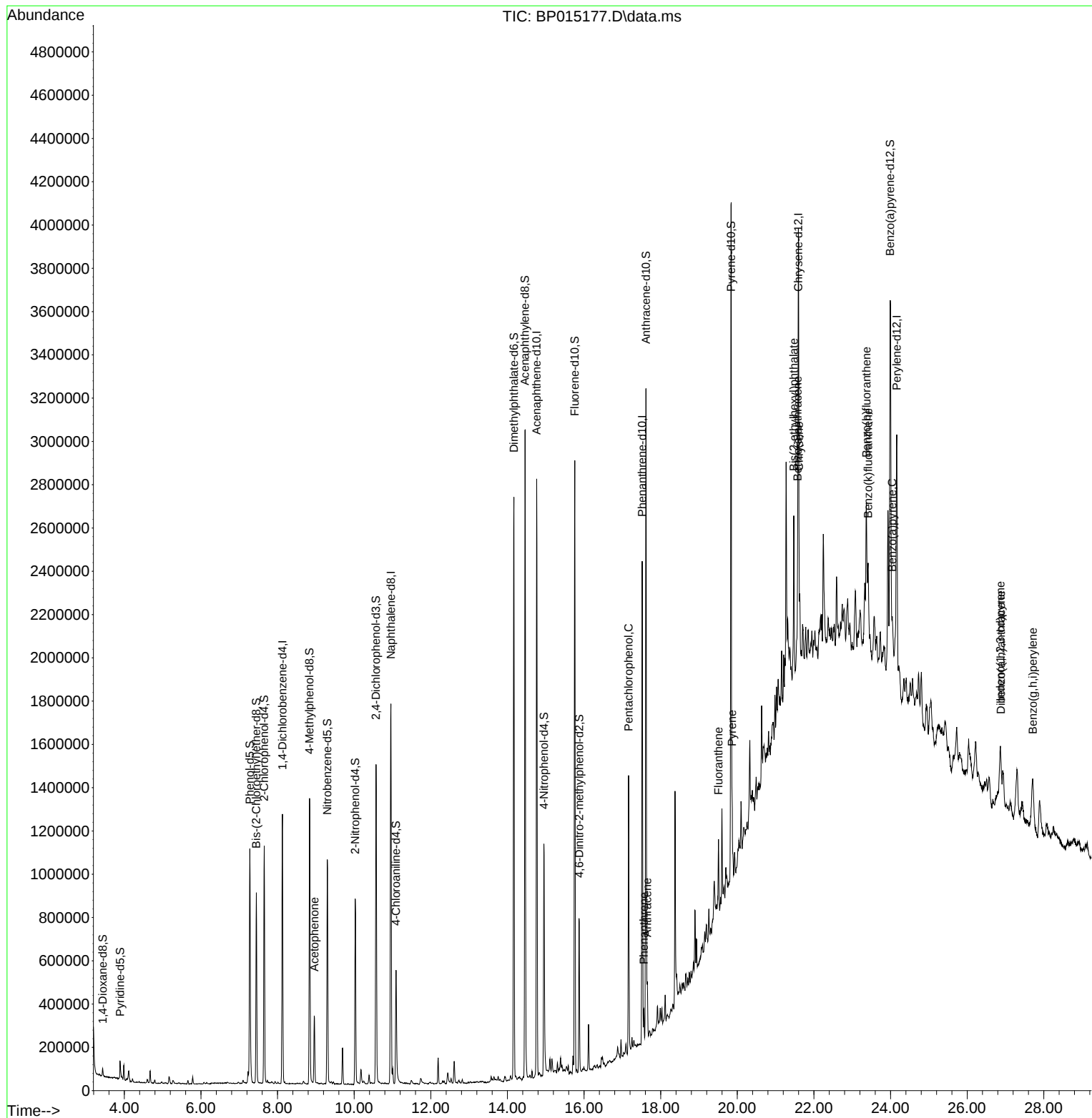
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Data File : BP015177.D
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ALS Vial : 13 Sample Multiplier: 1

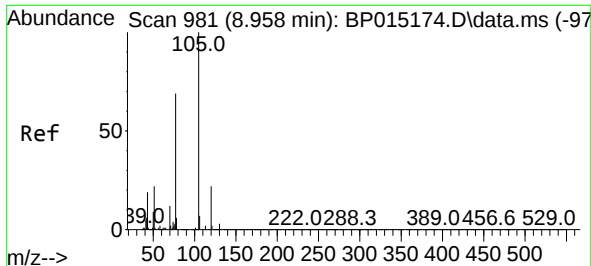
Instrument :
BNA_P
ClientSampleId :
JREA5

Quant Time: May 19 22:54:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP051123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 19 01:07:51 2023
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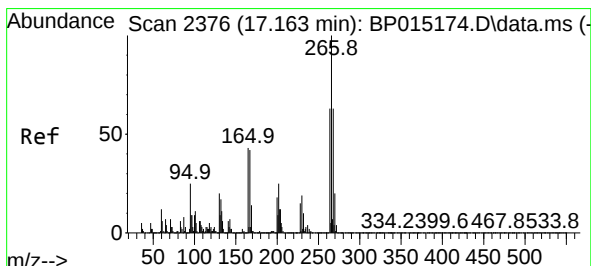
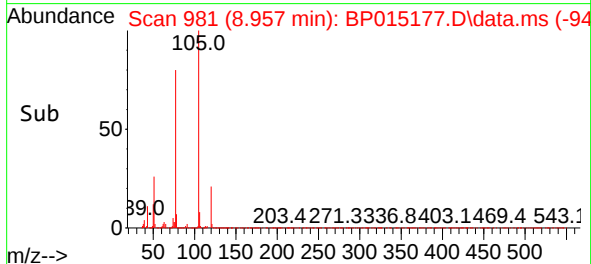
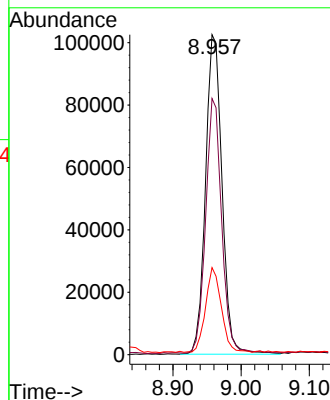
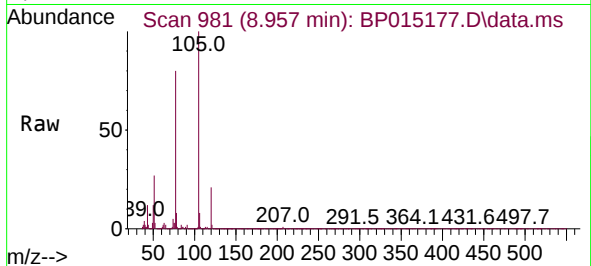
#16
Acetophenone
Concen: 4.463 ng/ul
RT: 8.957 min Scan# 981
Delta R.T. -0.006 min
Lab File: BP015177.D
Acq: 19 May 2023 17:36

Instrument :
BNA_P
ClientSampleId :
JREA5

Tgt Ion:105 Resp: 172654
Ion Ratio Lower Upper
105 100
77 80.1 59.4 89.2
51 27.2 19.2 28.8

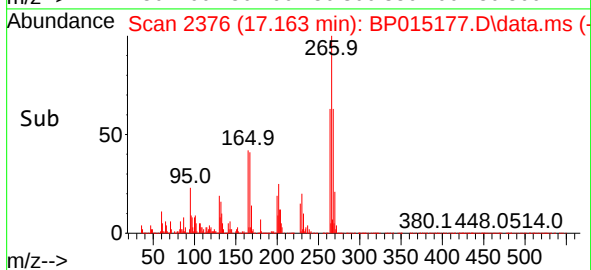
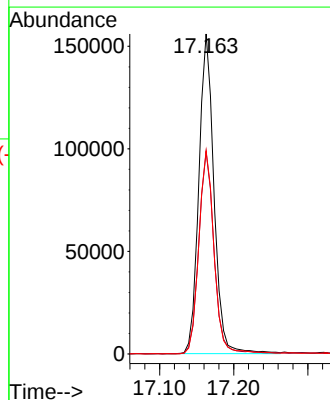
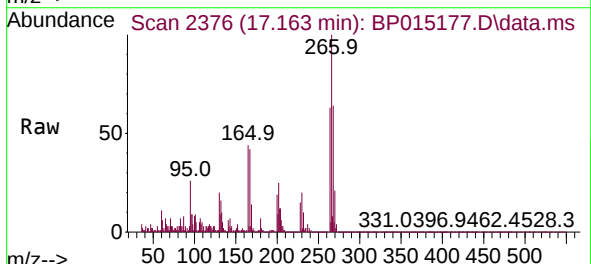
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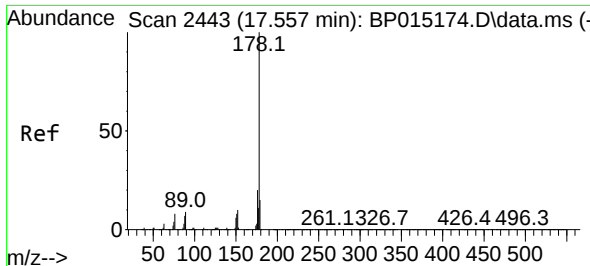
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#71
Pentachlorophenol
Concen: 22.042 ng/ul
RT: 17.163 min Scan# 2376
Delta R.T. -0.000 min
Lab File: BP015177.D
Acq: 19 May 2023 17:36

Tgt Ion:266 Resp: 220832
Ion Ratio Lower Upper
266 100
264 63.2 51.0 76.4
268 63.5 51.8 77.6





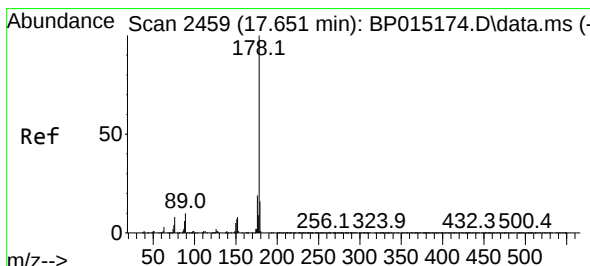
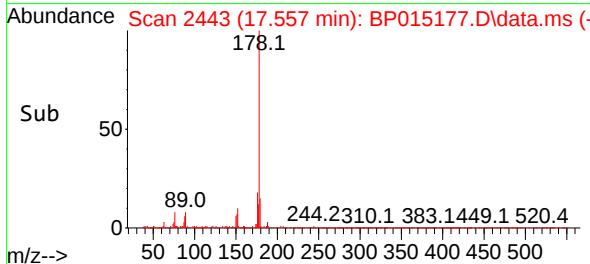
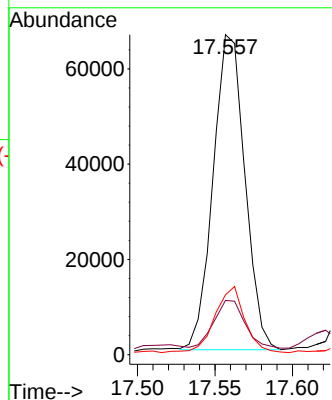
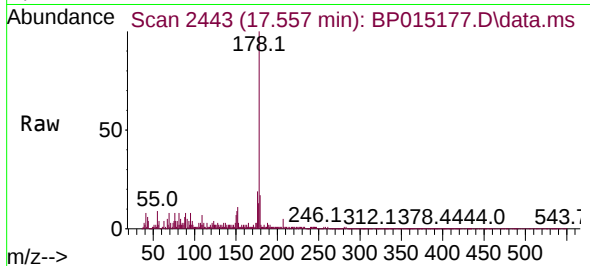
#72
Phenanthrene
Concen: 1.317 ng/ul
RT: 17.557 min Scan# 2443
Delta R.T. -0.006 min
Lab File: BP015177.D
Acq: 19 May 2023 17:36

Instrument :
BNA_P
ClientSampleId :
JREA5

Tgt Ion:178 Resp: 9435
Ion Ratio Lower Upper
178 100
179 17.0 12.2 18.2
176 18.7 15.6 23.4

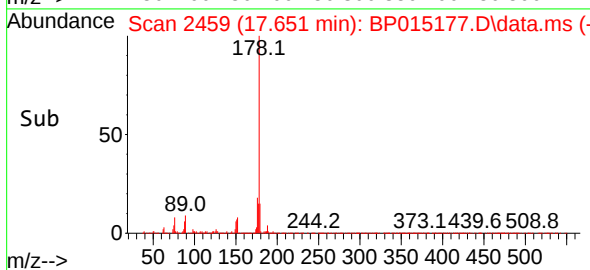
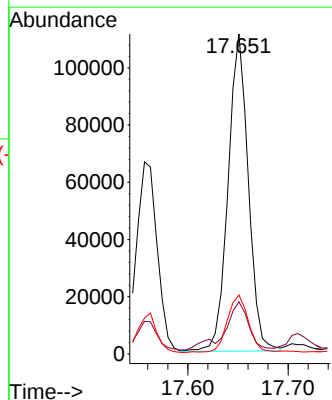
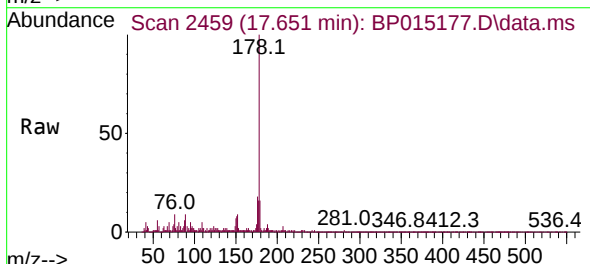
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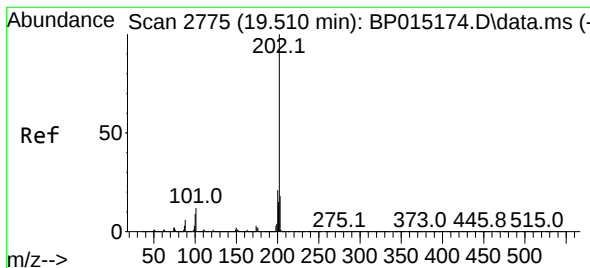
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#74
Anthracene
Concen: 2.141 ng/ul
RT: 17.651 min Scan# 2459
Delta R.T. -0.006 min
Lab File: BP015177.D
Acq: 19 May 2023 17:36

Tgt Ion:178 Resp: 155120
Ion Ratio Lower Upper
178 100
179 16.3 12.2 18.2
176 18.4 15.2 22.8





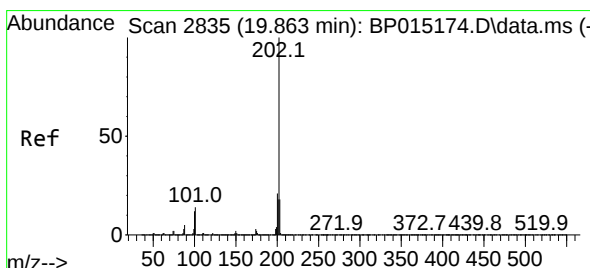
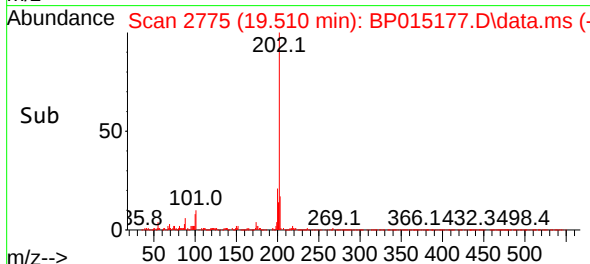
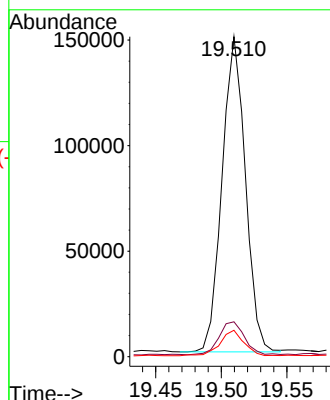
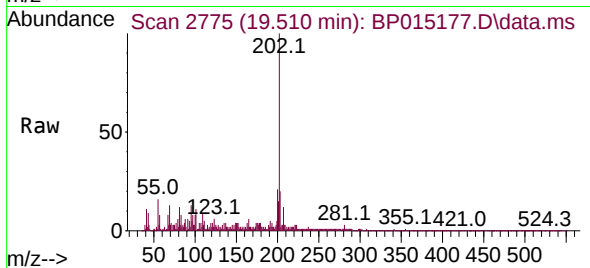
#80
Fluoranthene
Concen: 2.894 ng/ul
RT: 19.510 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP015177.D
Acq: 19 May 2023 17:36

Instrument :
BNA_P
ClientSampleId :
JREA5

Tgt Ion:202 Resp: 18444
Ion Ratio Lower Upper
202 100
101 10.9 9.5 14.3
100 8.3 7.3 10.9

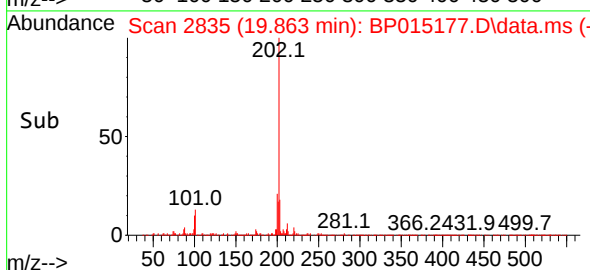
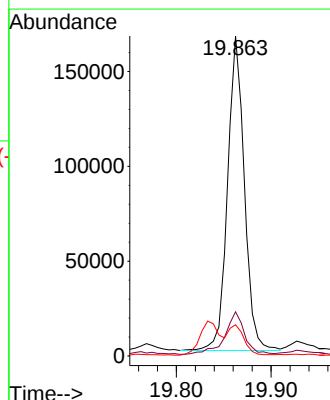
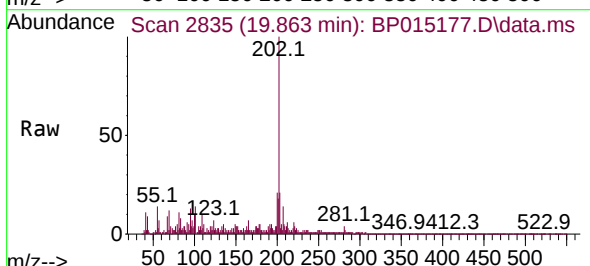
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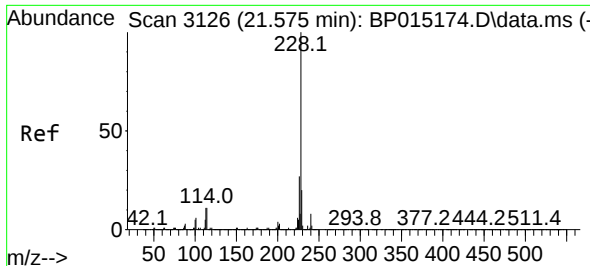
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#82
Pyrene
Concen: 3.120 ng/ul
RT: 19.863 min Scan# 2835
Delta R.T. -0.006 min
Lab File: BP015177.D
Acq: 19 May 2023 17:36

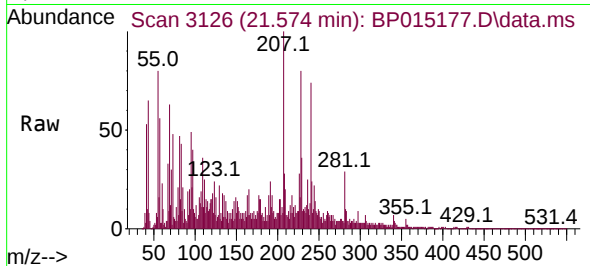
Tgt Ion:202 Resp: 205296
Ion Ratio Lower Upper
202 100
101 13.8 11.2 16.8
100 9.8 9.0 13.6





#85
Benzo(a)anthracene
Concen: 1.360 ng/ul
RT: 21.574 min Scan# 3126
Delta R.T. -0.006 min
Lab File: BP015177.D
Acq: 19 May 2023 17:36

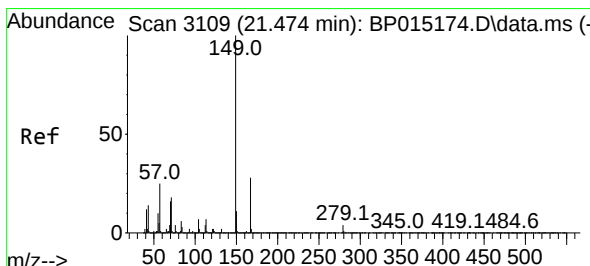
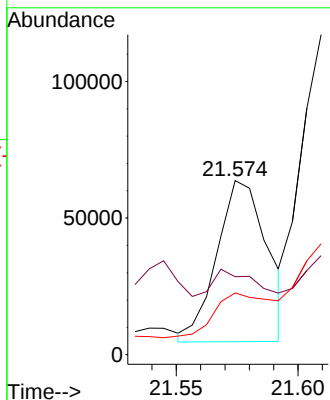
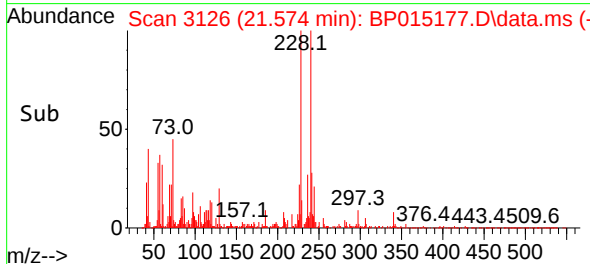
Instrument :
BNA_P
ClientSampleId :
JREA5



Tgt Ion:228 Resp: 84792
Ion Ratio Lower Upper
228 100
229 44.8 16.1 24.1
226 35.4 21.9 32.9

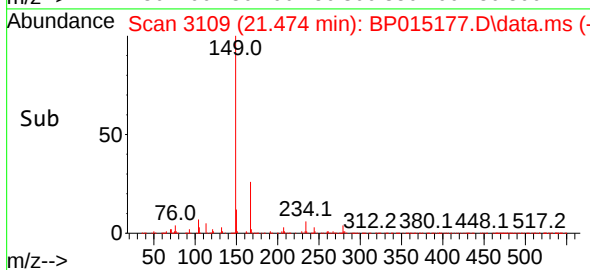
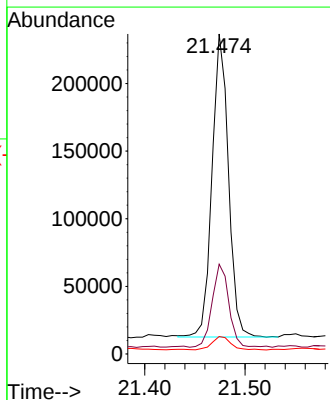
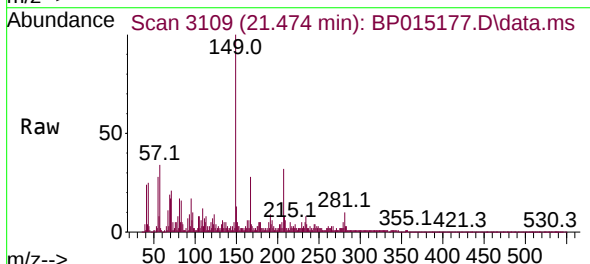
Manual Integrations
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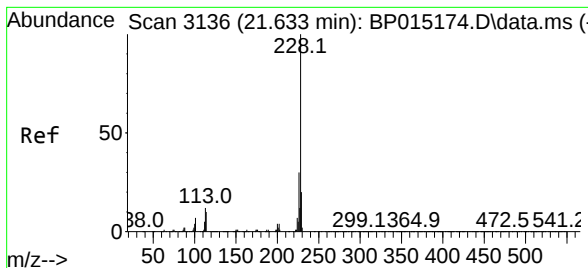
Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023



#86
Bis(2-ethylhexyl)phthalate
Concen: 6.058 ng/ul
RT: 21.474 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BP015177.D
Acq: 19 May 2023 17:36

Tgt Ion:149 Resp: 254422
Ion Ratio Lower Upper
149 100
167 28.1 21.8 32.6
279 5.5 3.2 4.8





#87

Chrysene

Concen: 4.543 ng/ul m

RT: 21.609 min Scan# 3136

Delta R.T. -0.024 min

Lab File: BP015177.D

Acq: 19 May 2023 17:36

Instrument :

BNA_P

ClientSampleId :

JREA5

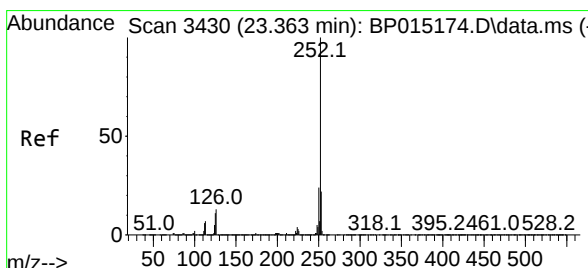
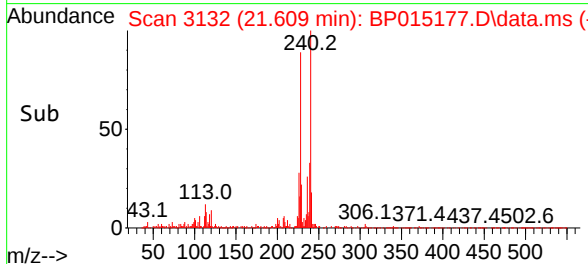
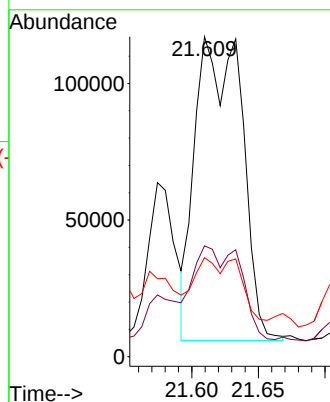
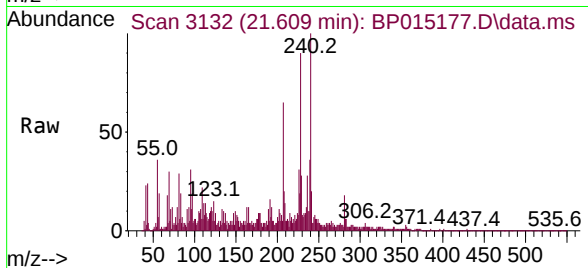
Tgt Ion:228 Resp: 270700

Ion	Ratio	Lower	Upper
228	100		
226	34.7	25.0	37.6
229	31.0	16.1	24.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/22/2023



#90

Benzo(b)fluoranthene

Concen: 9.224 ng/ul

RT: 23.368 min Scan# 3431

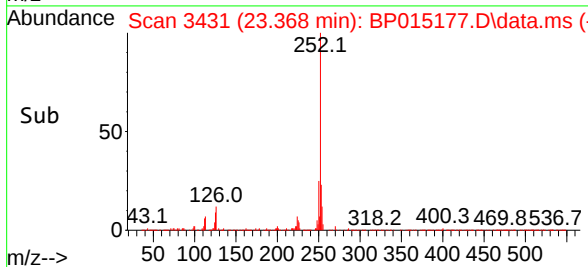
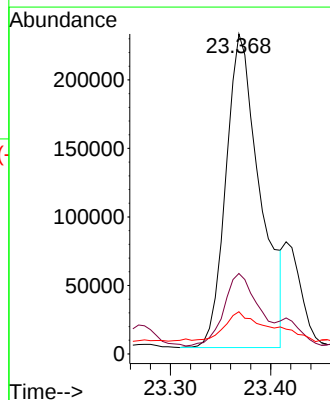
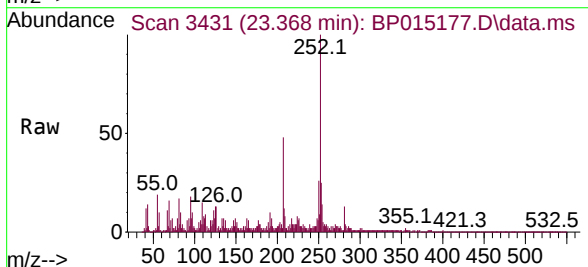
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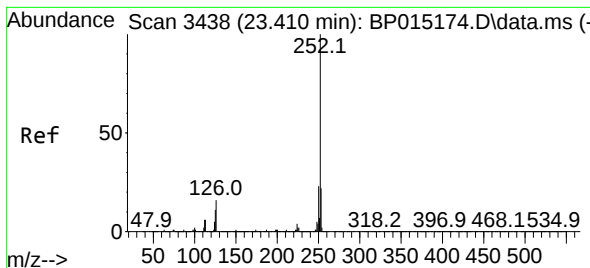
Lab File: BP015177.D

Acq: 19 May 2023 17:36

Tgt Ion:252 Resp: 540634

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.4	26.2
125	13.2	8.3	12.5





#91

Benzo(k)fluoranthene

Concen: 1.864 ng/ul m

RT: 23.415 min Scan# 3438

Delta R.T. -0.006 min

Lab File: BP015177.D

Acq: 19 May 2023 17:36

Instrument :

BNA_P

ClientSampleId :

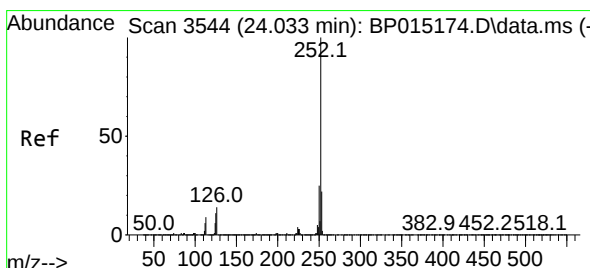
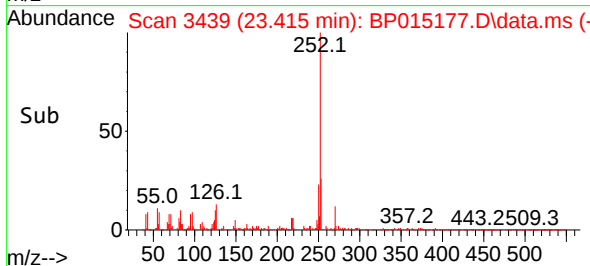
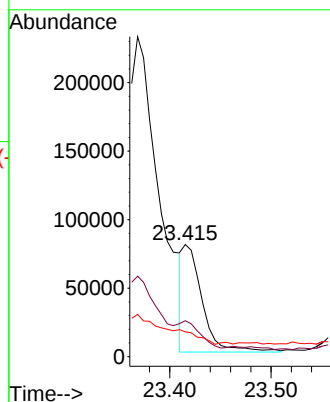
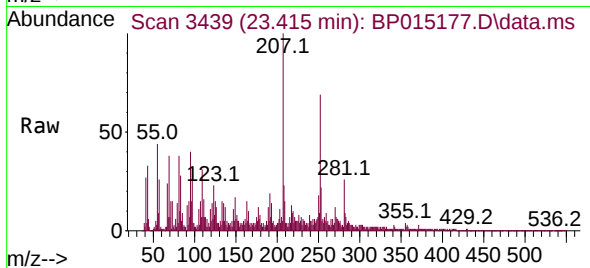
JREA5

Tgt Ion:252 Resp: 104920
 Ion Ratio Lower Upper
 252 100
 253 32.0 17.5 26.3#
 125 22.1 8.5 12.7#

Manual Integrations

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 Supervised By :Jagrut Upadhyay 05/22/2023



#93

Benzo(a)pyrene

Concen: 2.028 ng/ul

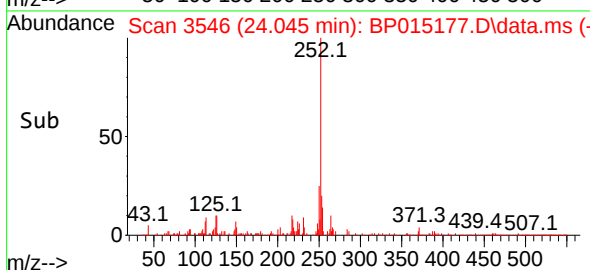
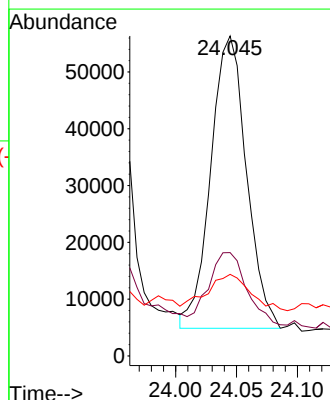
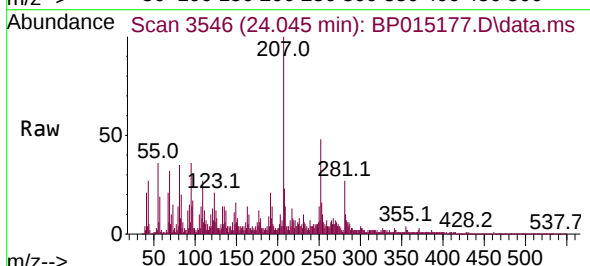
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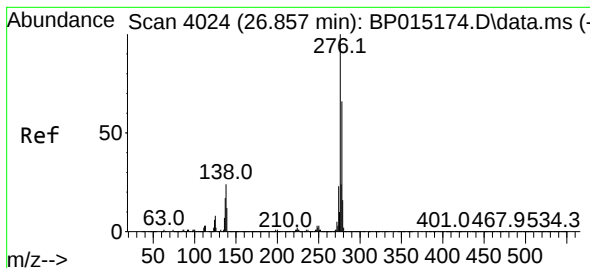
Delta R.T. -0.000 min

Lab File: BP015177.D

Acq: 19 May 2023 17:36

Tgt Ion:252 Resp: 105049
 Ion Ratio Lower Upper
 252 100
 253 32.3 17.2 25.8#
 125 25.5 9.1 13.7#





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.436 ng/ul

RT: 26.868 min Scan# 4026

Delta R.T. -0.000 min

Lab File: BP015177.D

Acq: 19 May 2023 17:36

Instrument :

BNA_P

ClientSampleId :

JREA5

Tgt Ion:276 Resp: 29754

Ion Ratio Lower Upper

276 100

138 17.7 20.1 30.1

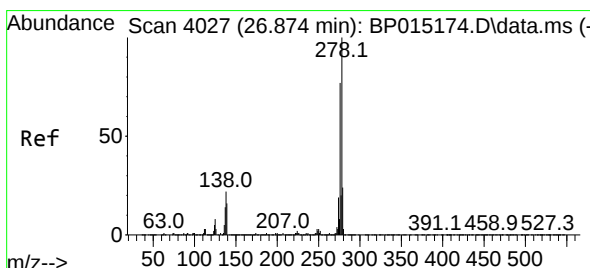
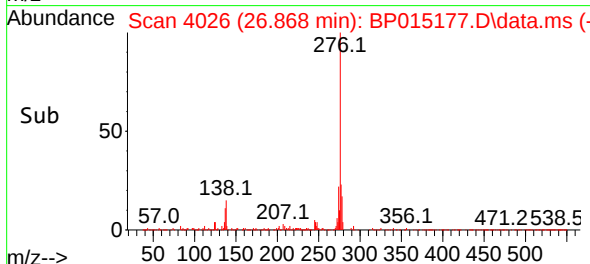
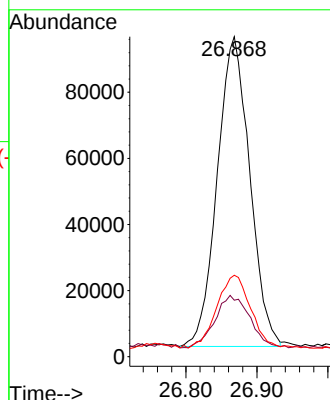
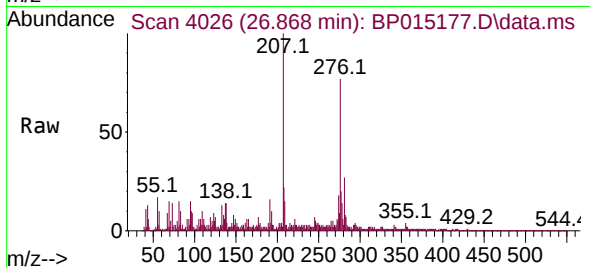
277 25.5 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/22/2023

Supervised By :Jagrut Upadhyay 05/22/2023



#95

Dibenzo(a,h)anthracene

Concen: 1.233 ng/ul

RT: 26.880 min Scan# 4028

Delta R.T. -0.006 min

Lab File: BP015177.D

Acq: 19 May 2023 17:36

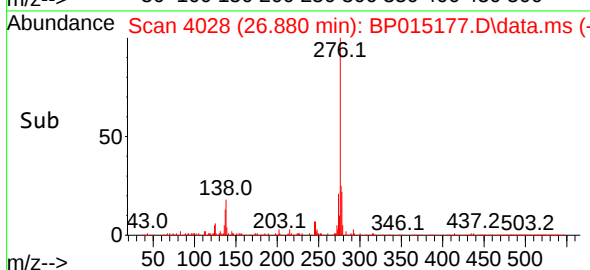
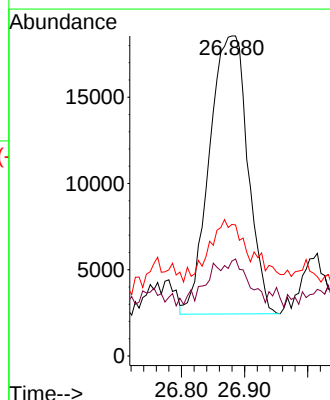
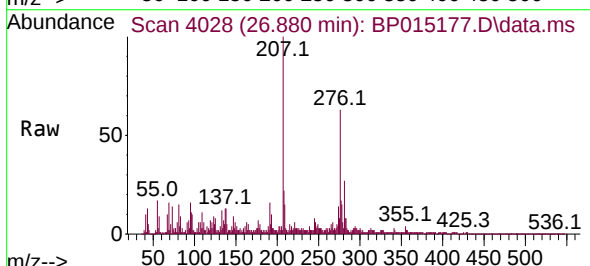
Tgt Ion:278 Resp: 67892

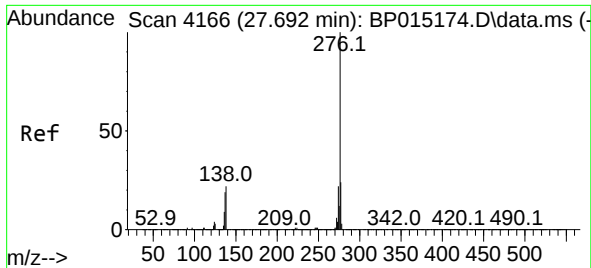
Ion Ratio Lower Upper

278 100

139 29.7 13.3 19.9#

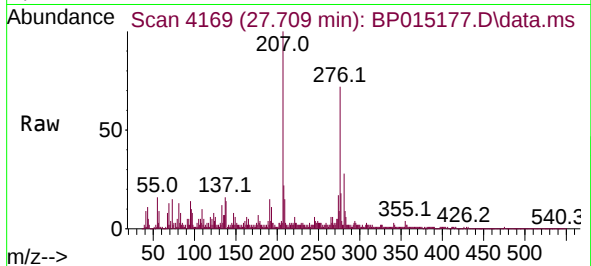
279 41.1 19.1 28.7#





#96
 Benzo(g,h,i)perylene
 Concen: 5.642 ng/ul
 RT: 27.709 min Scan# 4169
 Delta R.T. 0.006 min
 Lab File: BP015177.D
 Acq: 19 May 2023 17:36

Instrument :
 BNA_P
 ClientSampleId :
 JREA5



Tgt Ion:	276	Resp:	308594
Ion Ratio	Lower	Upper	
276	100		
138	19.7	17.7	26.5
277	25.7	18.8	28.2

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/22/2023
 Supervised By :Jagrut Upadhyay 05/22/2023

