

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121621\
 Data File : BP008464.D
 Acq On : 16 Dec 2021 21:37
 Operator : CG/JU
 Sample : M5076-11DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-CDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/17/2021
 Supervised By : Jagrut Upadhyay 12/20/2021

Quant Time: Dec 17 03:24:29 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 17:59:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	52189	20.00	ng	-0.01
21) Naphthalene-d8	10.528	136	193120	20.00	ng	-0.01
39) Acenaphthene-d10	14.387	164	130229	20.00	ng	-0.01
64) Phenanthrene-d10	17.151	188	282146	20.00	ng	#-0.01
76) Chrysene-d12	21.263	240	317369	20.00	ng	# 0.00
86) Perylene-d12	23.627	264	342201	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	29330	8.88	ng	0.00
7) Phenol-d6	6.958	99	42901	9.67	ng	0.02
23) Nitrobenzene-d5	8.910	82	32870	7.21	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	13049	6.82	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	71681	7.00	ng	0.00
79) Terphenyl-d14	19.727	244	124945	6.85	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.451	154	17149	2.44	ng	100
71) Phenanthrene	17.192	178	582670	38.12	ng	100
72) Anthracene	17.286	178	92156	6.11	ng	99
75) Fluoranthene	19.175	202	606620	35.16	ng	98
78) Pyrene	19.533	202	1109845	48.88	ng	99
81) Benzo(a)anthracene	21.245	228	449463	21.13	ng	99
83) Chrysene	21.298	228	413717	20.36	ng	99
87) Indeno(1,2,3-cd)pyrene	26.098	276	138947	5.16	ng	96
88) Benzo(b)fluoranthene	22.916	252	292920m	14.23	ng	
89) Benzo(k)fluoranthene	22.951	252	116600m	5.62	ng	
90) Benzo(a)pyrene	23.527	252	261963m	14.66	ng	
92) Benzo(g,h,i)perylene	26.856	276	144289	6.46	ng	97

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

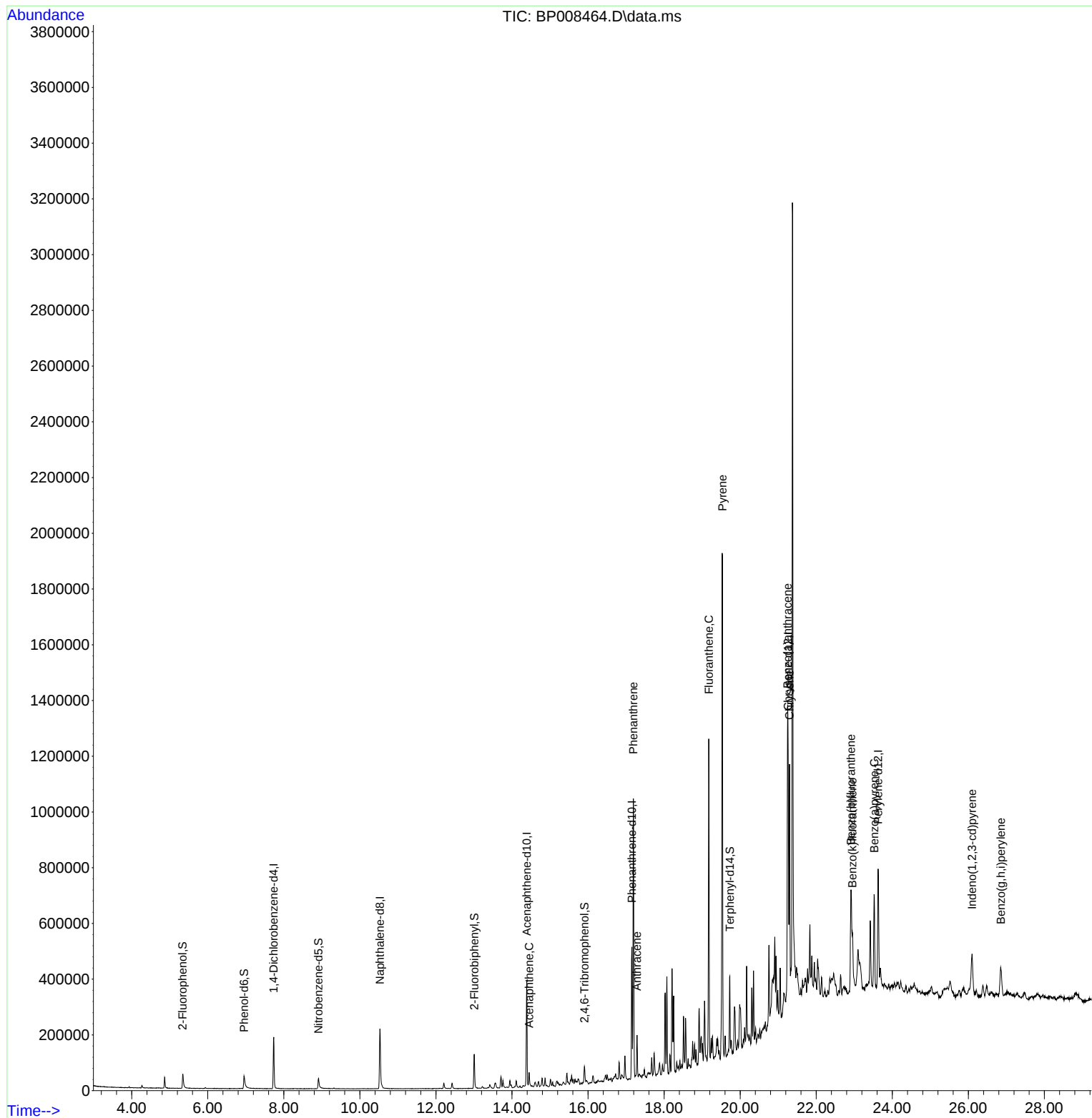
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121621\
Data File : BP008464.D
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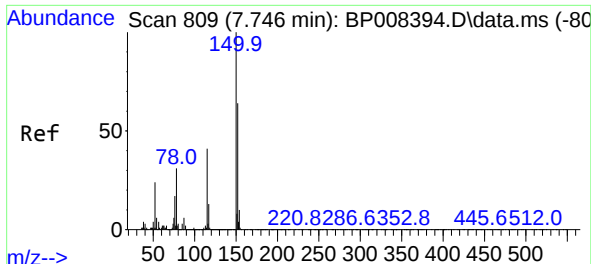
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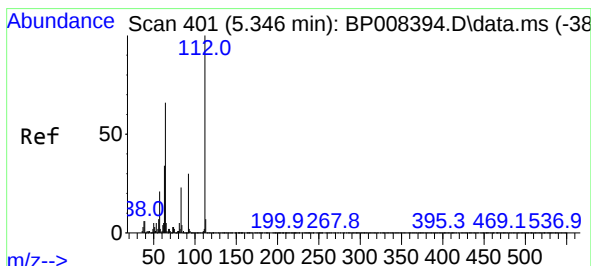
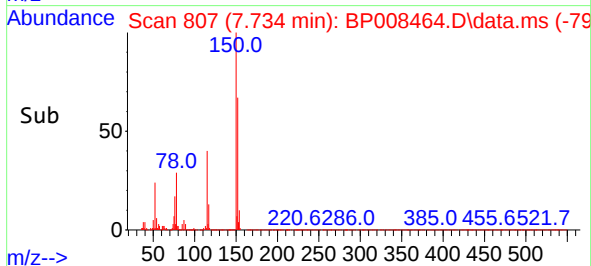
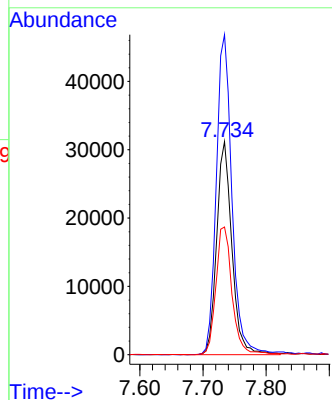
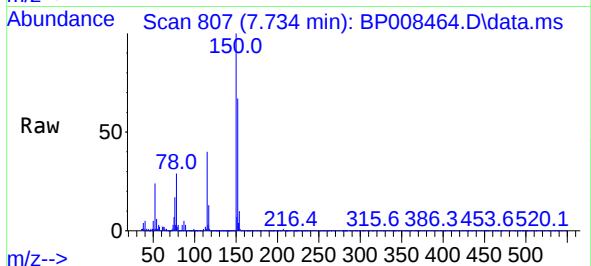
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.734 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-CDL

Tgt Ion:152 Resp: 52189
Ion Ratio Lower Upper
152 100
150 150.1 125.7 188.5
115 59.9 50.7 76.1

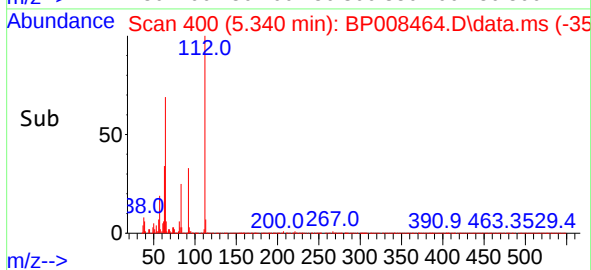
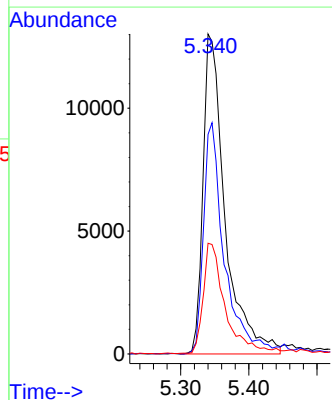
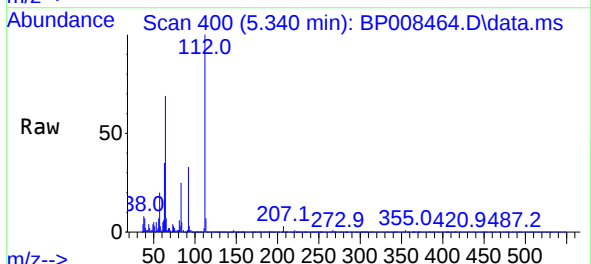
Manual Integrations
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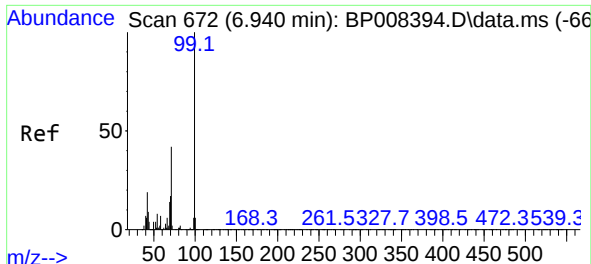
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#5
2-Fluorophenol
Concen: 8.88 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

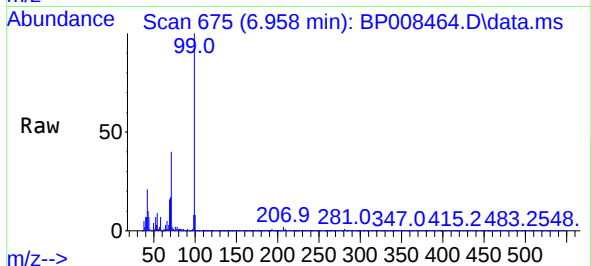
Tgt Ion:112 Resp: 29330
Ion Ratio Lower Upper
112 100
64 68.6 53.4 80.2
63 34.6 27.8 41.8





Phenol-d6
Concen: 9.67 ng
RT: 6.958 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

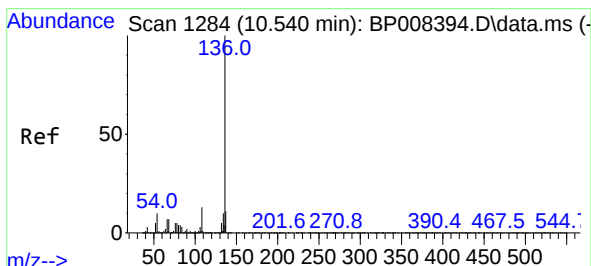
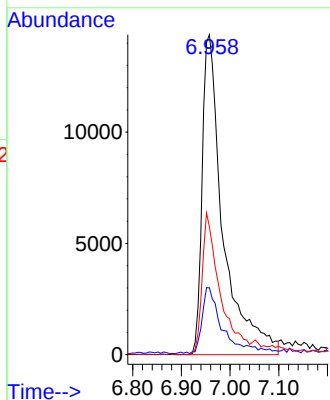
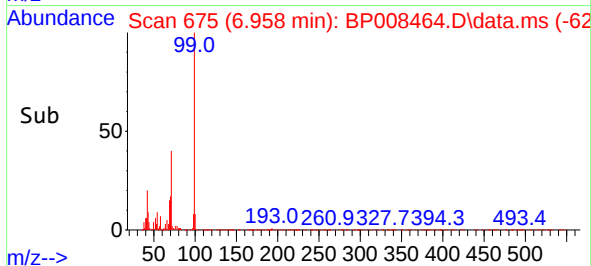
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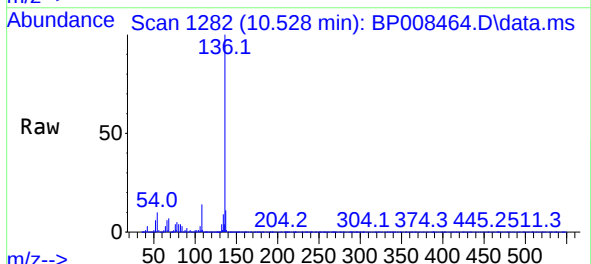
Tgt Ion: 99 Resp: 4290
Ion Ratio Lower Upper
99 100
42 20.9 14.6 22.0
71 40.0 31.1 46.7

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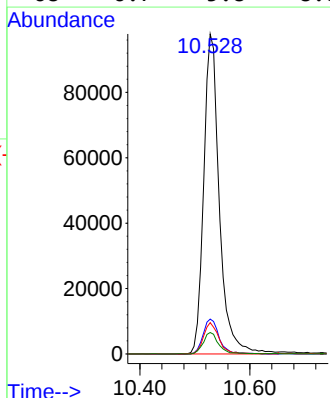
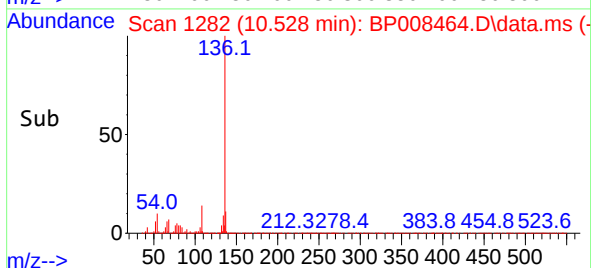
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021

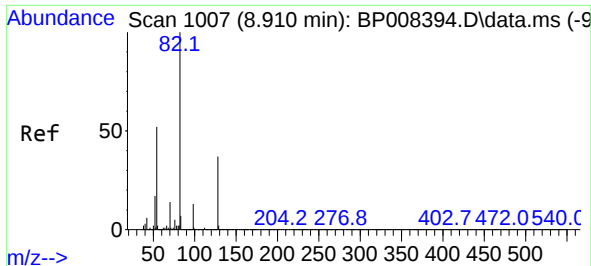


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37



Tgt Ion:136 Resp: 193120
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 9.8 8.2 12.4
68 6.7 5.8 8.8





#23

Nitrobenzene-d5

Concen: 7.21 ng

RT: 8.910 min Scan# 1007

Delta R.T. -0.000 min

Lab File: BP008464.D

Acq: 16 Dec 2021 21:37

Instrument :

BNA_P

ClientSampleId :

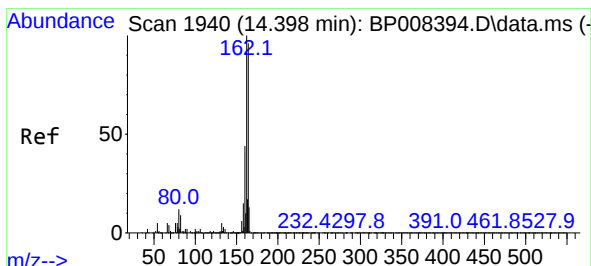
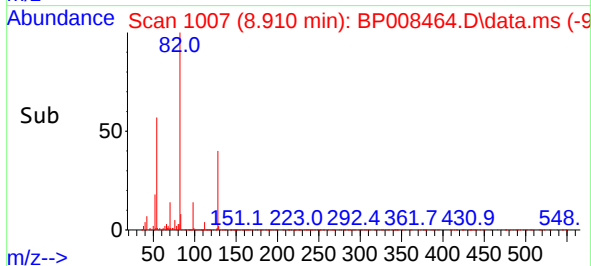
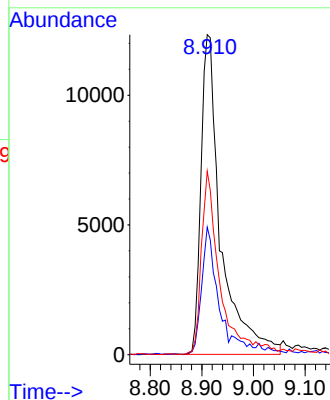
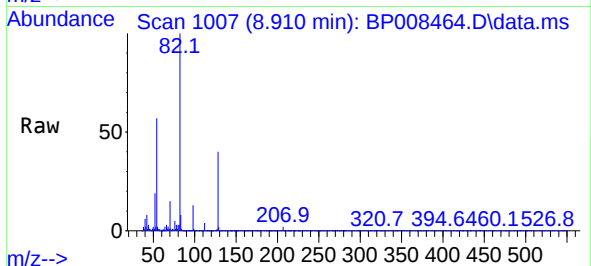
SB-9-SB-22-CDL

Tgt Ion:	82	Resp:	32870
Ion Ratio	Lower	Upper	
82	100		
128	39.9	29.6	44.4
54	57.3	42.7	64.1

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.00 ng

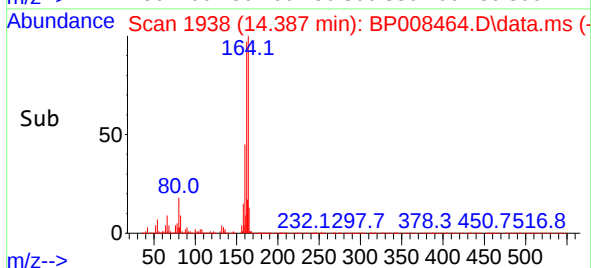
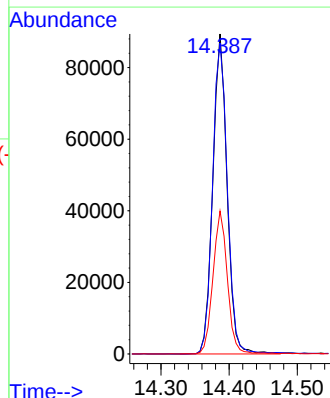
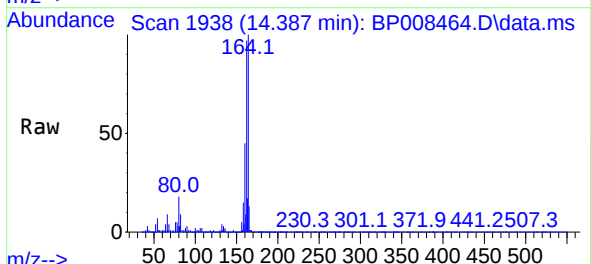
RT: 14.387 min Scan# 1938

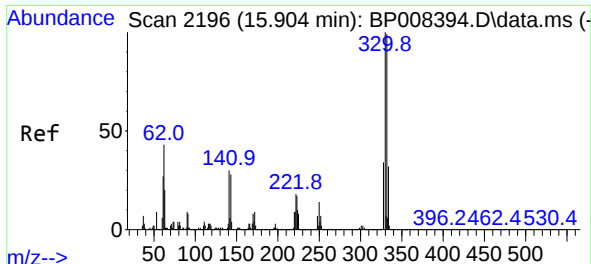
Delta R.T. -0.011 min

Lab File: BP008464.D

Acq: 16 Dec 2021 21:37

Tgt Ion:	164	Resp:	130229
Ion Ratio	Lower	Upper	
164	100		
162	97.2	81.9	122.9
160	44.6	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 6.82 ng
RT: 15.910 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Instrument :

BNA_P

ClientSampleId :

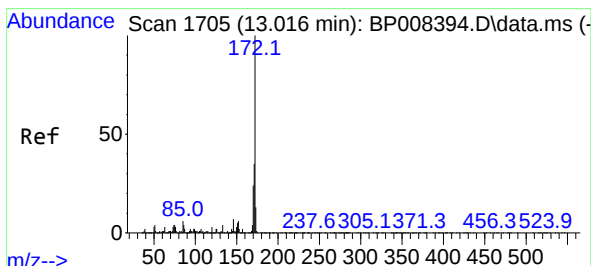
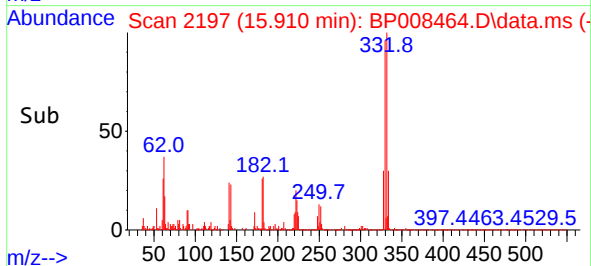
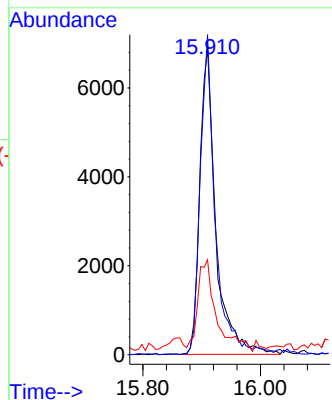
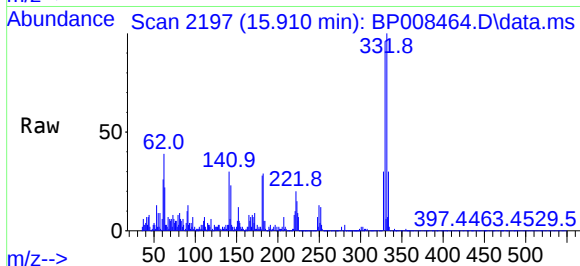
SB-9-SB-22-CDL

Tgt Ion:330 Resp: 13049
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.4
141 34.6 28.4 42.6

Manual Integrations

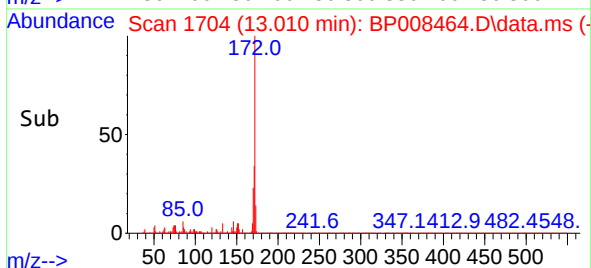
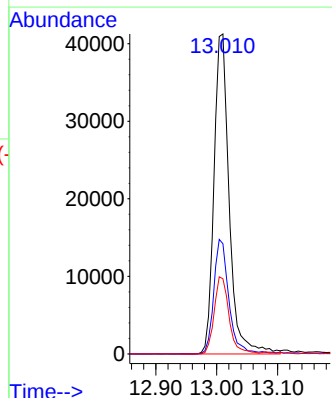
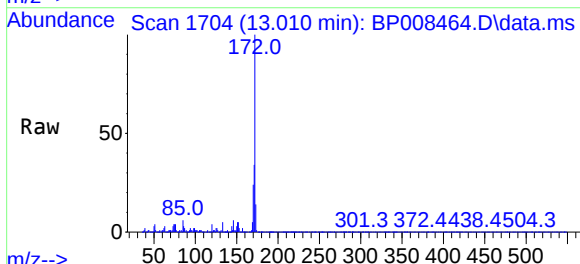
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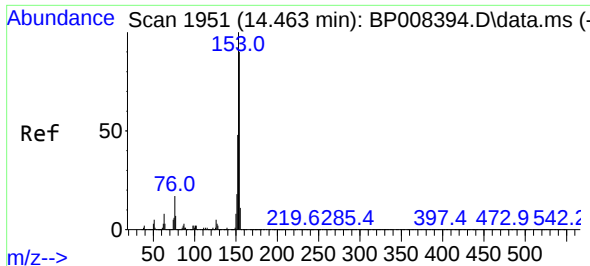
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#45
2-Fluorobiphenyl
Concen: 7.00 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Tgt Ion:172 Resp: 71681
Ion Ratio Lower Upper
172 100
171 34.4 28.0 42.0
170 23.5 18.9 28.3





#52
Acenaphthene
Concen: 2.44 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Instrument :

BNA_P

ClientSampleId :

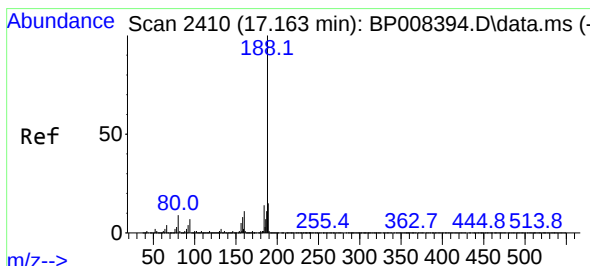
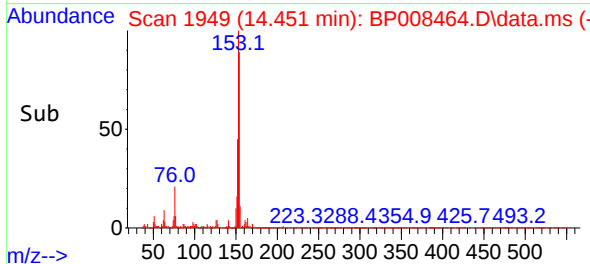
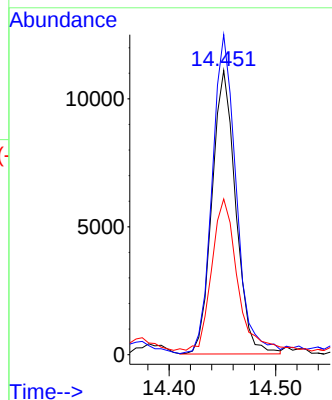
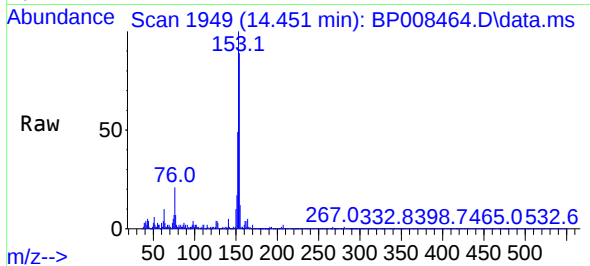
SB-9-SB-22-CDL

Tgt Ion:154 Resp: 17149
Ion Ratio Lower Upper
154 100
153 112.6 90.3 135.5
152 54.8 43.3 64.9

Manual Integrations

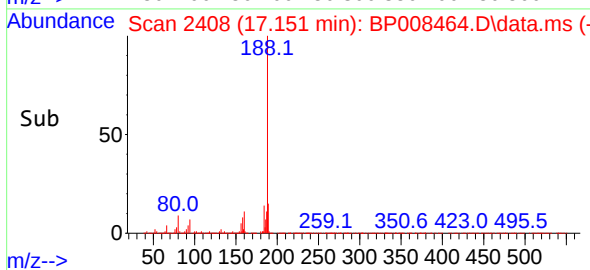
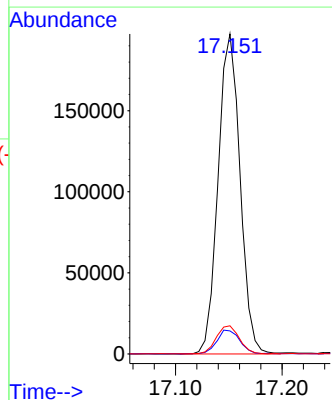
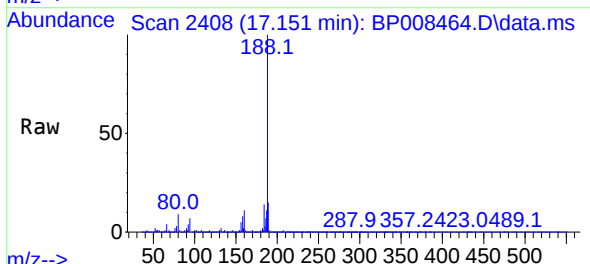
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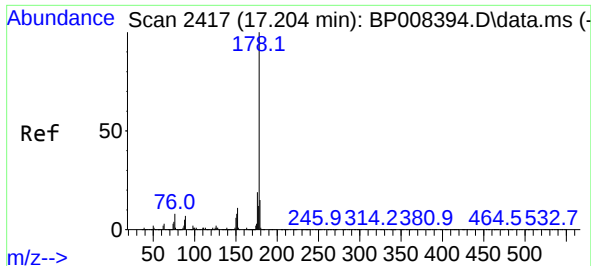
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

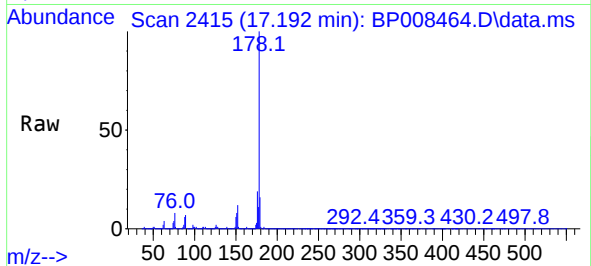
Tgt Ion:188 Resp: 282146
Ion Ratio Lower Upper
188 100
94 7.2 7.2 10.8#
80 8.8 8.2 12.4





#71
Phenanthrene
Concen: 38.12 ng
RT: 17.192 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

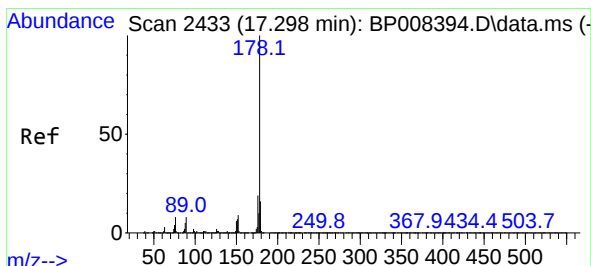
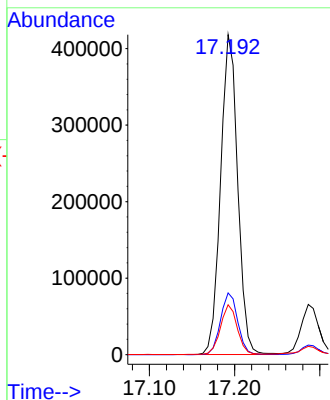
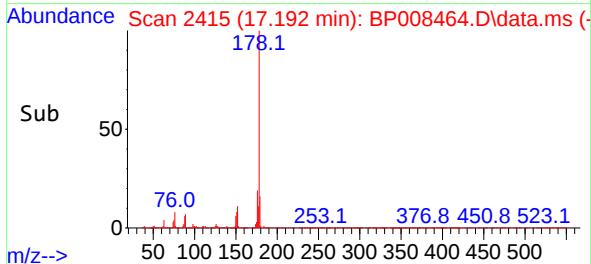
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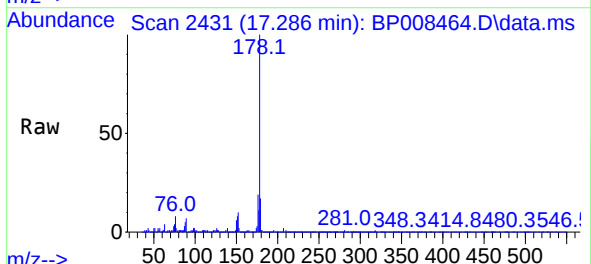
Tgt Ion:178 Resp: 582670
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.6 12.5 18.7

Manual Integrations
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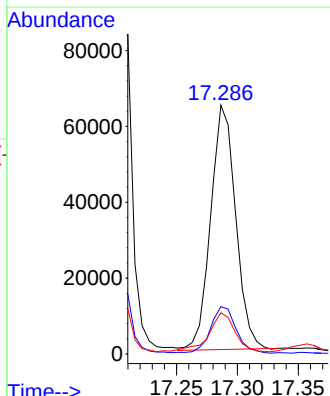
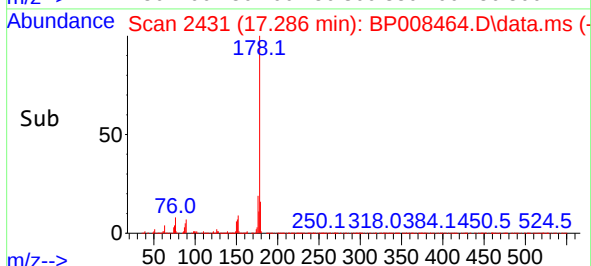
Reviewed By :Christian Giraldo 12/17/2021
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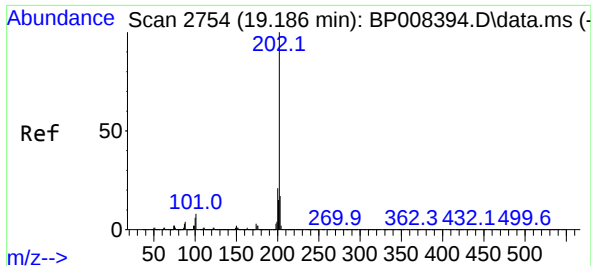


#72
Anthracene
Concen: 6.11 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37



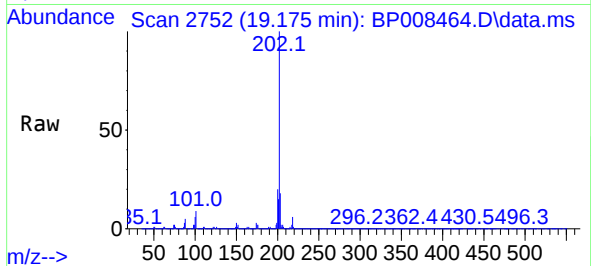
Tgt Ion:178 Resp: 92156
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 16.6 12.3 18.5





#75
Fluoranthene
Concen: 35.16 ng
RT: 19.175 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

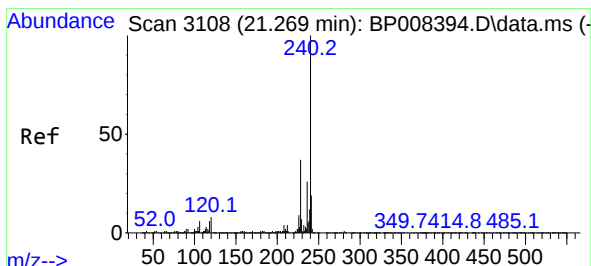
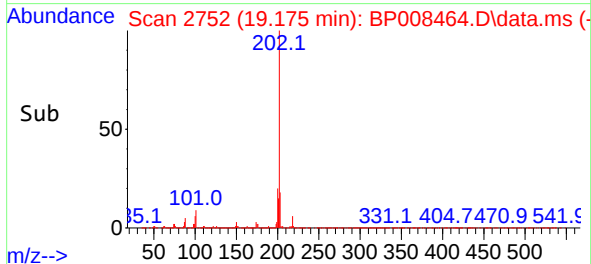
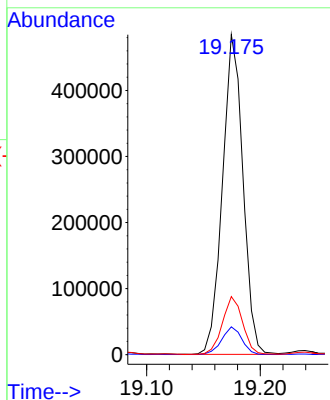
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-CDL



Tgt Ion:202 Resp: 606620
Ion Ratio Lower Upper
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101 8.7 0.0 29.8
203 18.1 0.0 37.7

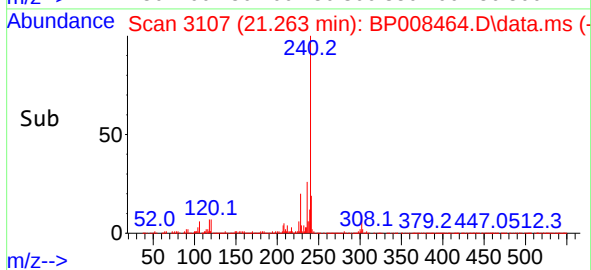
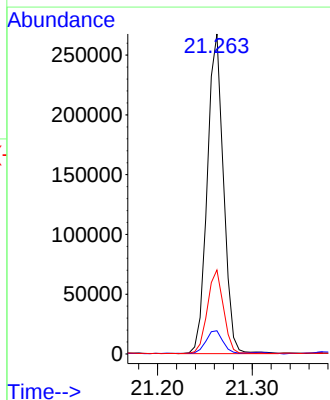
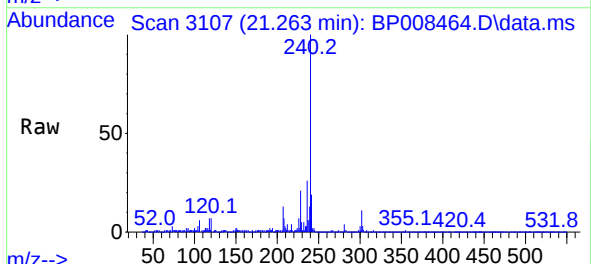
Manual Integrations
APPROVED

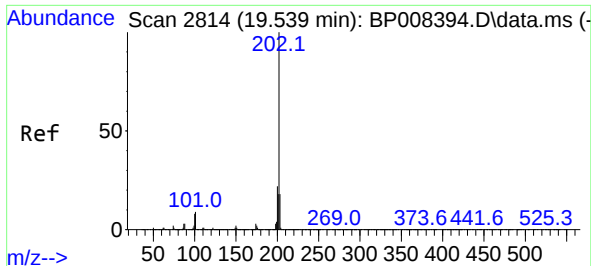
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.263 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

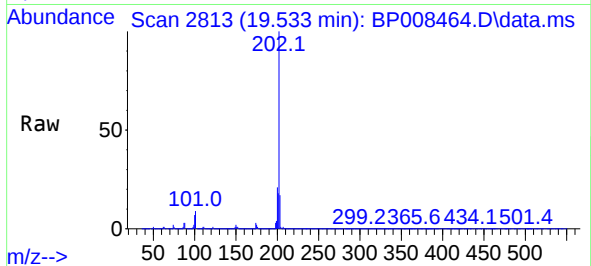
Tgt Ion:240 Resp: 317369
Ion Ratio Lower Upper
240 100
120 7.3 7.3 10.9#
236 26.3 21.4 32.2





#78
Pyrene
Concen: 48.88 ng
RT: 19.533 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

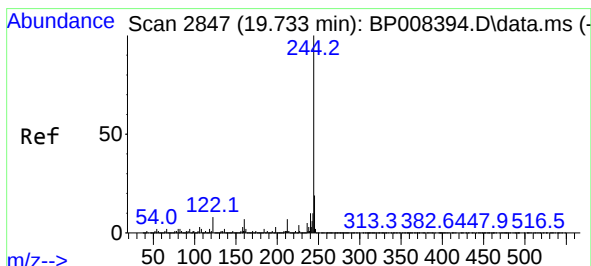
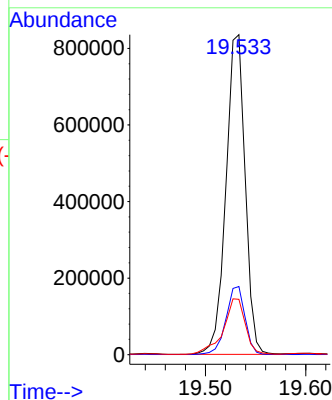
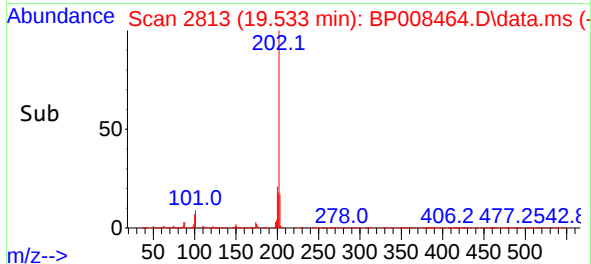
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-CDL



Tgt Ion:202 Resp: 110984
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.3 14.2 21.2

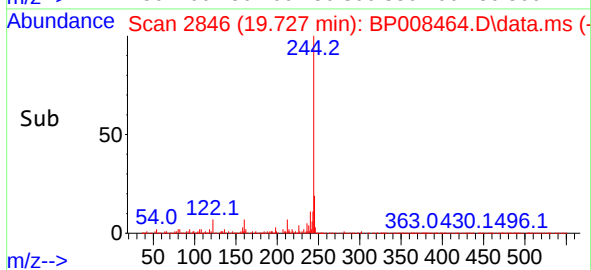
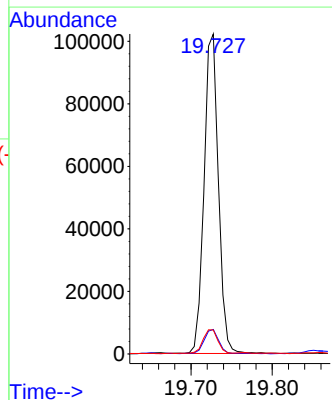
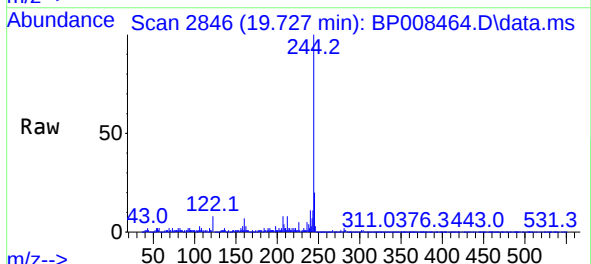
Manual Integrations
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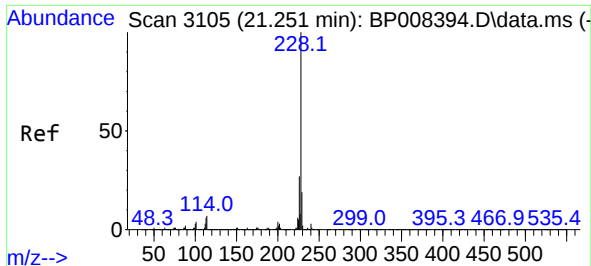
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#79
Terphenyl-d14
Concen: 6.85 ng
RT: 19.727 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Tgt Ion:244 Resp: 124945
Ion Ratio Lower Upper
244 100
212 7.7 6.0 9.0
122 7.5 6.6 9.8





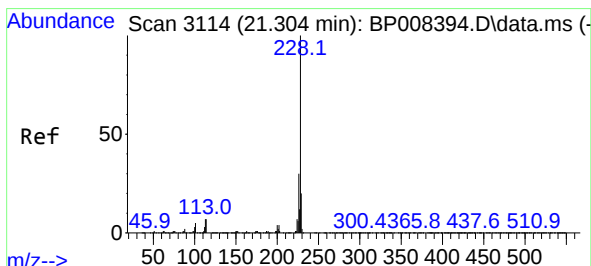
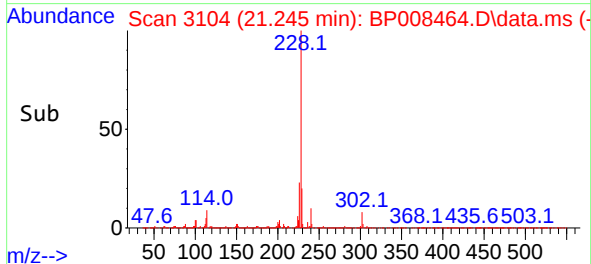
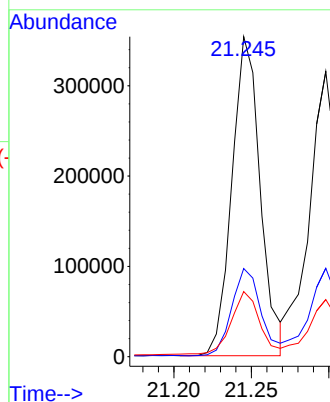
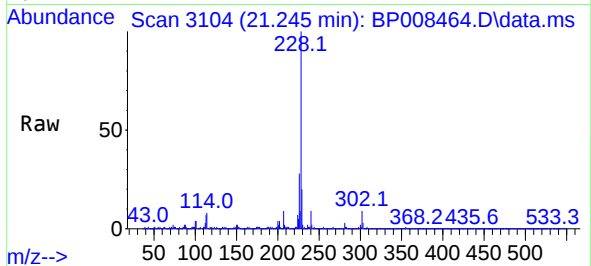
#81
Benzo(a)anthracene
Concen: 21.13 ng
RT: 21.245 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-CDL

Tgt Ion:228 Resp: 44946
Ion Ratio Lower Upper
228 100
226 27.5 21.9 32.9
229 20.3 15.9 23.9

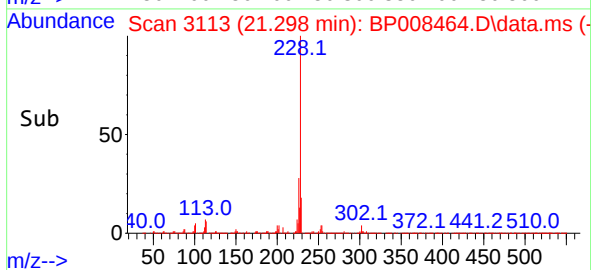
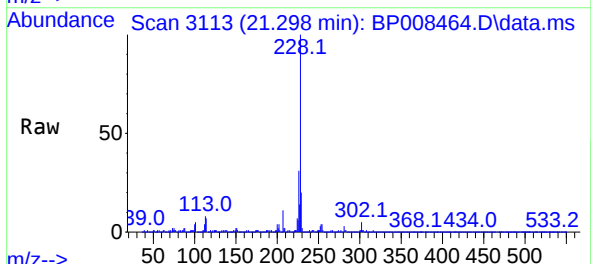
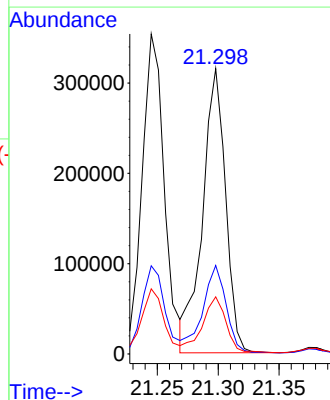
Manual Integrations
APPROVED

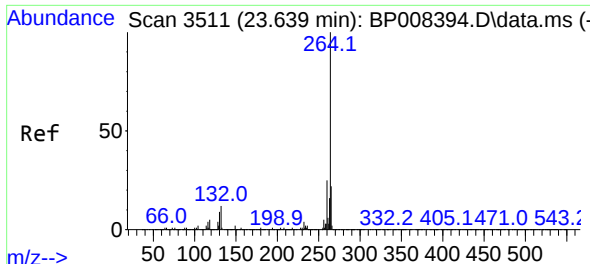
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#83
Chrysene
Concen: 20.36 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Tgt Ion:228 Resp: 413717
Ion Ratio Lower Upper
228 100
226 31.0 24.0 36.0
229 20.0 15.8 23.8





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.627 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Instrument :

BNA_P

ClientSampleId :

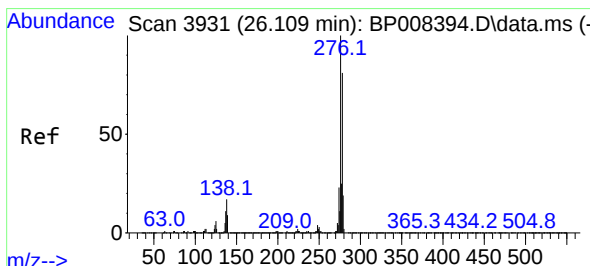
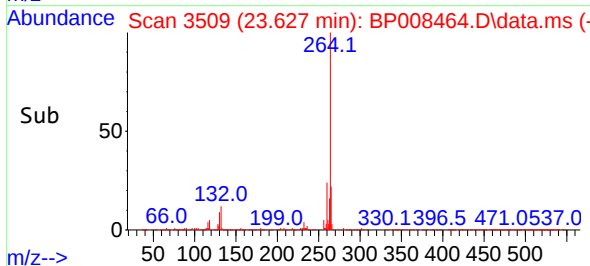
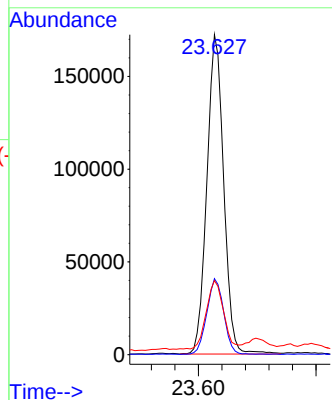
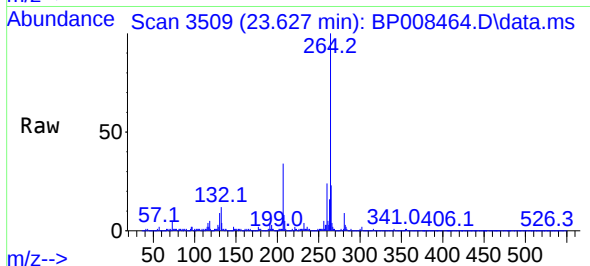
SB-9-SB-22-CDL

Tgt Ion:264 Resp: 34220
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 23.1 17.6 26.4

Manual Integrations

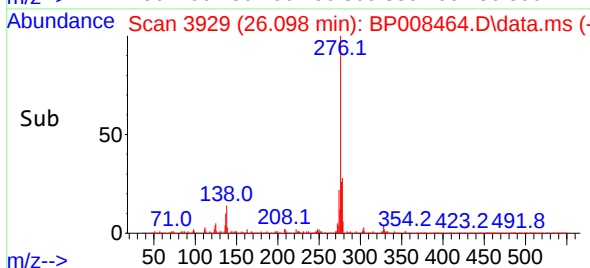
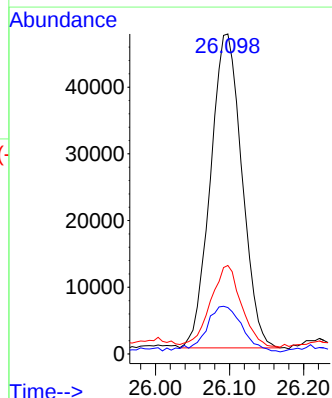
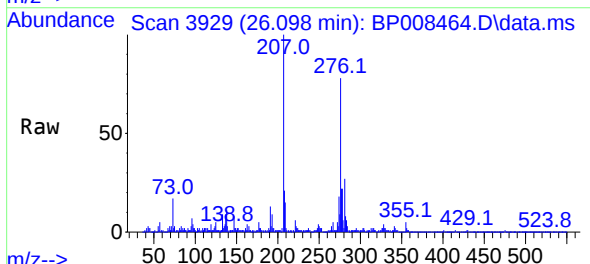
APPROVED

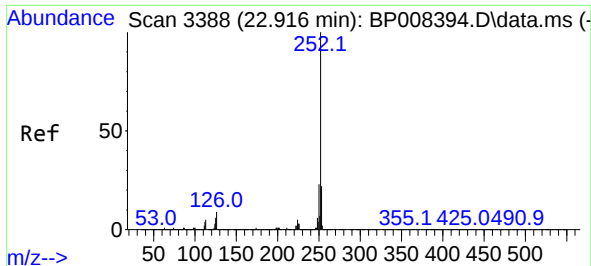
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.16 ng
RT: 26.098 min Scan# 3929
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

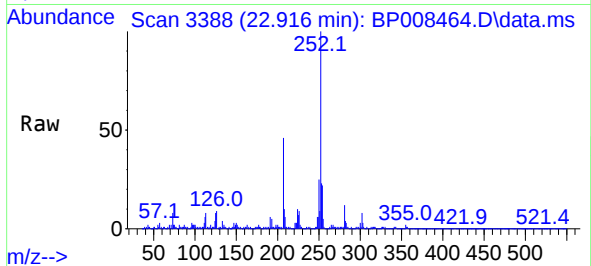
Tgt Ion:276 Resp: 138947
Ion Ratio Lower Upper
276 100
138 17.0 16.6 25.0
277 25.5 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 14.23 ng m
RT: 22.916 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

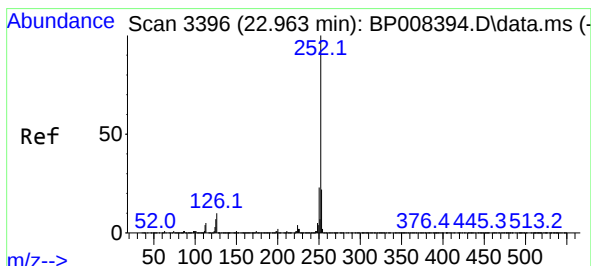
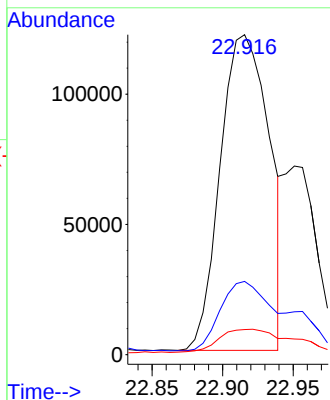
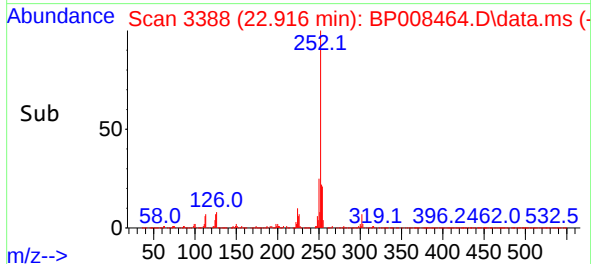
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-CDL



Tgt Ion:252 Resp: 292920
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 7.9 6.2 9.4

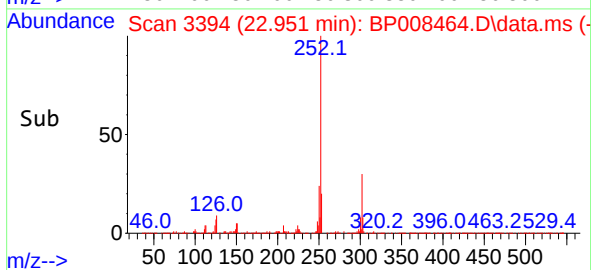
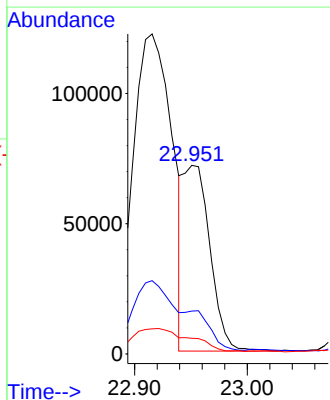
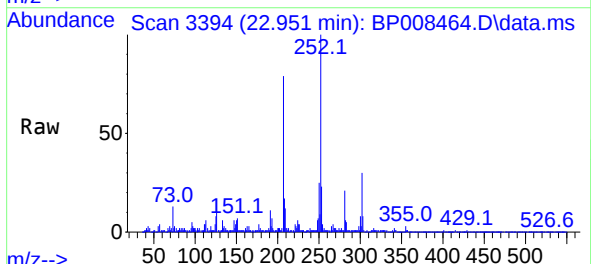
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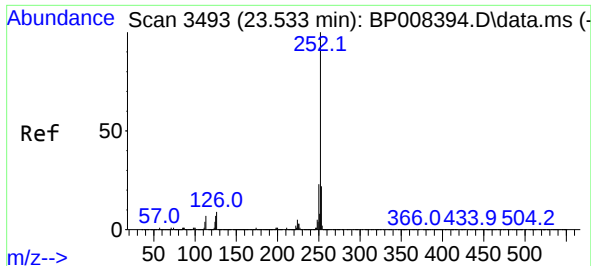
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#89
Benzo(k)fluoranthene
Concen: 5.62 ng m
RT: 22.951 min Scan# 3394
Delta R.T. -0.012 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

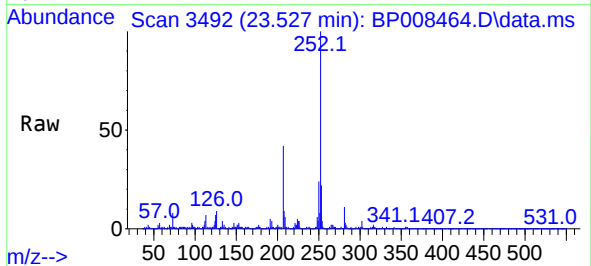
Tgt Ion:252 Resp: 116600
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 8.3 6.5 9.7





#90
Benzo(a)pyrene
Concen: 14.66 ng m
RT: 23.527 min Scan# 3492
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

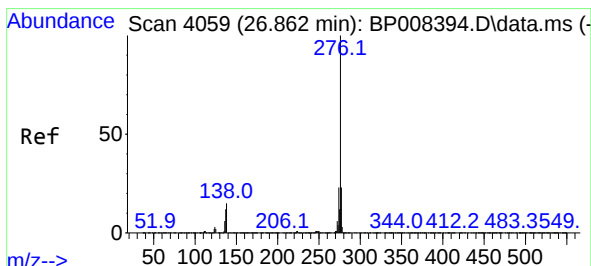
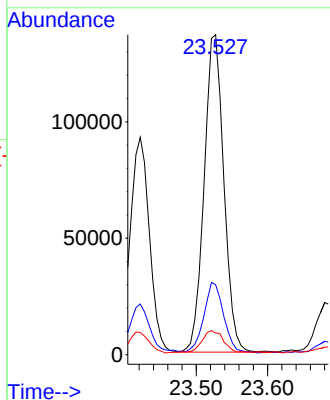
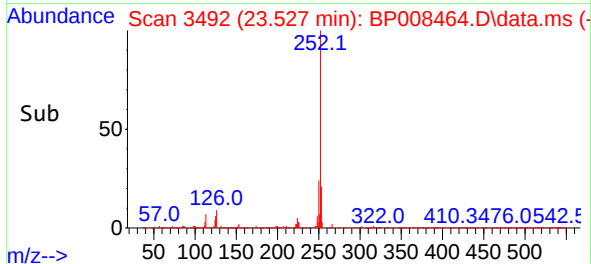
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-CDL



Tgt Ion:252 Resp: 26196
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 6.8 7.4 11.0

Manual Integrations
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Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/20/2021



#92
Benzo(g,h,i)perylene
Concen: 6.46 ng
RT: 26.856 min Scan# 4058
Delta R.T. -0.006 min
Lab File: BP008464.D
Acq: 16 Dec 2021 21:37

Tgt Ion:276 Resp: 144289
Ion Ratio Lower Upper
276 100
277 24.7 20.0 30.0
138 15.1 14.1 21.1

