

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121121\
 Data File : BP008370.D
 Acq On : 11 Dec 2021 16:11
 Operator : CG/JU
 Sample : M5018-29
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/13/2021
 Supervised By : Jagrut Upadhyay 12/13/2021

Quant Time: Dec 11 20:13:06 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 03:53:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.752	152	57815	20.000	ng	-0.01
21) Naphthalene-d8	10.551	136	200520	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	135646	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	302678	20.000	ng	-0.01
76) Chrysene-d12	21.280	240	354073	20.000	ng	0.00
86) Perylene-d12	23.657	264	355489	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	539396	150.217	ng	0.00
7) Phenol-d6	6.946	99	730986	150.803	ng	0.00
23) Nitrobenzene-d5	8.916	82	505078	114.540	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	299011	172.461	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	963798	103.206	ng	0.00
79) Terphenyl-d14	19.745	244	1779438	105.032	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.216	178	35791	2.240	ng	99
75) Fluoranthene	19.192	202	132837	6.170	ng	99
78) Pyrene	19.545	202	129843	3.432	ng	98
81) Benzo(a)anthracene	21.263	228	127806	5.446	ng	# 88
83) Chrysene	21.316	228	158946	7.118	ng	# 93
87) Indeno(1,2,3-cd)pyrene	26.133	276	63883	2.470	ng	96
88) Benzo(b)fluoranthene	22.933	252	164349	7.669	ng	# 97
89) Benzo(k)fluoranthene	22.974	252	48978m	2.334	ng	
90) Benzo(a)pyrene	23.551	252	126261	6.893	ng	93
92) Benzo(g,h,i)perylene	26.886	276	85122	3.928	ng	# 95

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

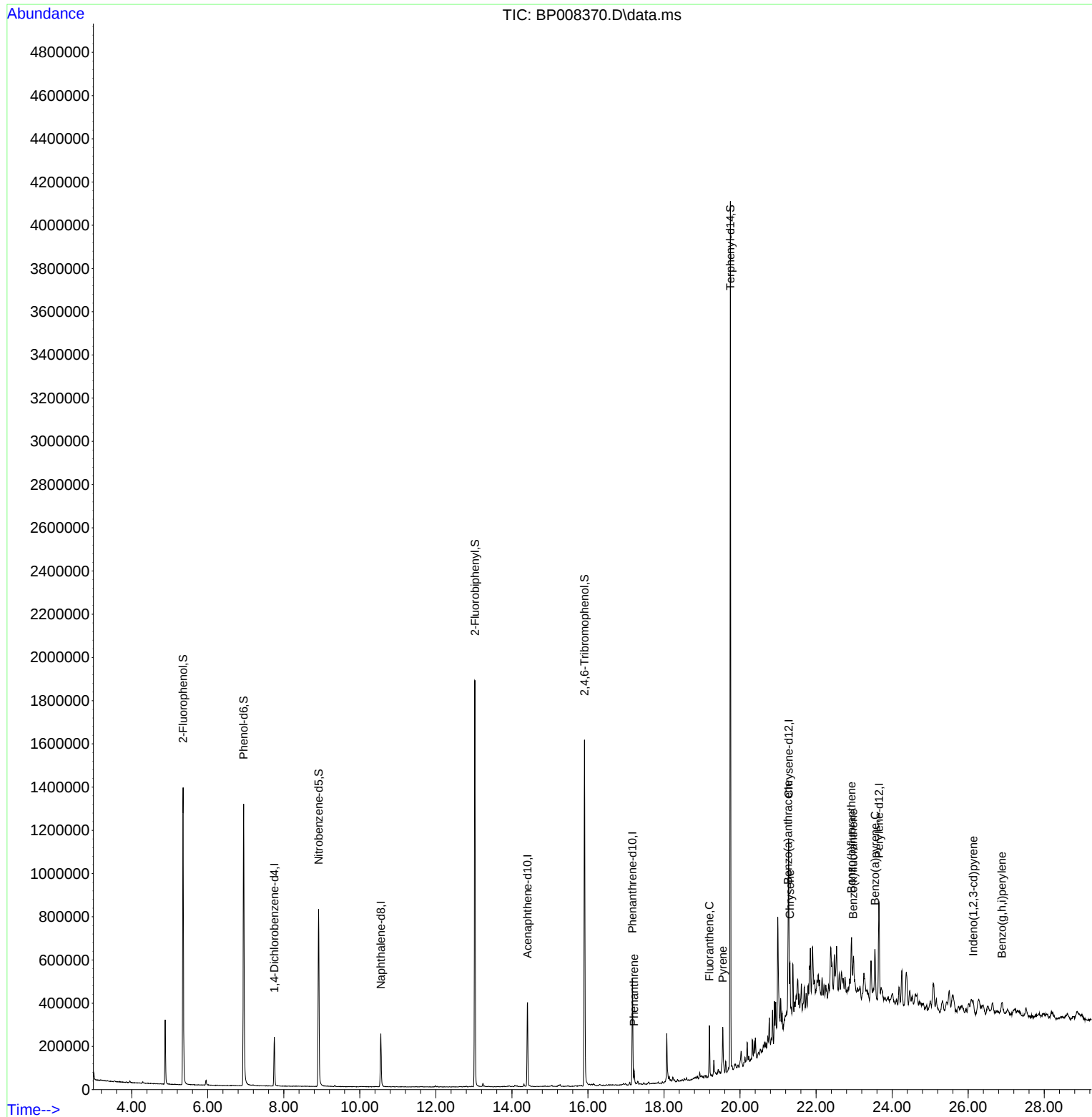
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121121\
Data File : BP008370.D
Acq On : 11 Dec 2021 16:11
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ALS Vial : 8 Sample Multiplier: 1

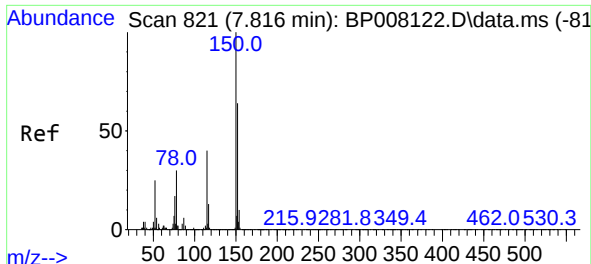
Instrument :
BNA_P
ClientSampleId :
TP5

Quant Time: Dec 11 20:13:06 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 11 03:53:01 2021
Response via : Initial Calibration

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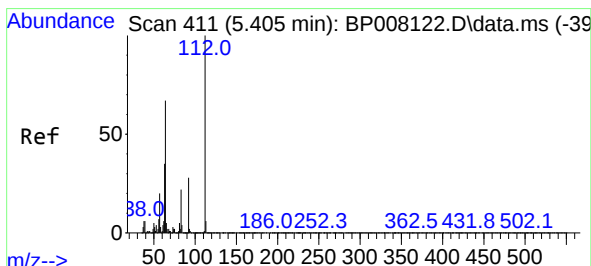
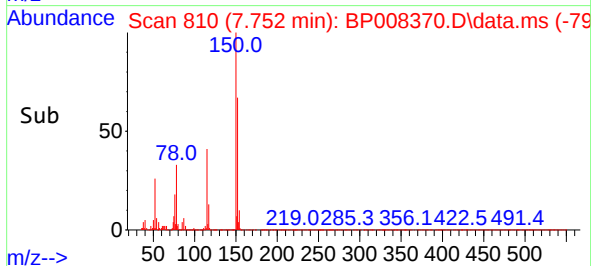
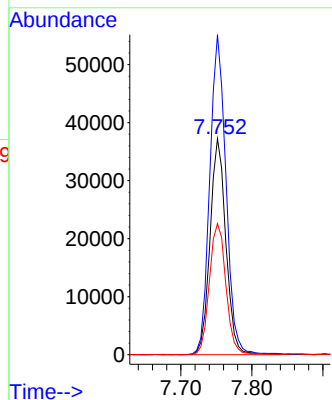
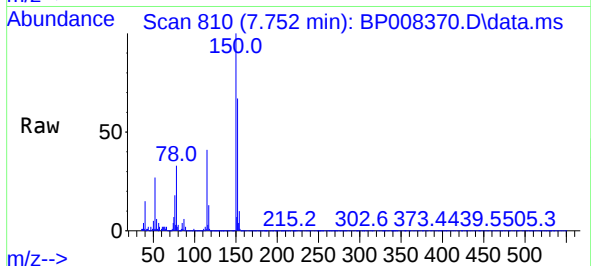
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.752 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

Instrument :
BNA_P
ClientSampleId :
TP5

Tgt Ion:152 Resp: 5781
Ion Ratio Lower Upper
152 100
150 148.2 125.7 188.5
115 60.7 50.7 76.1

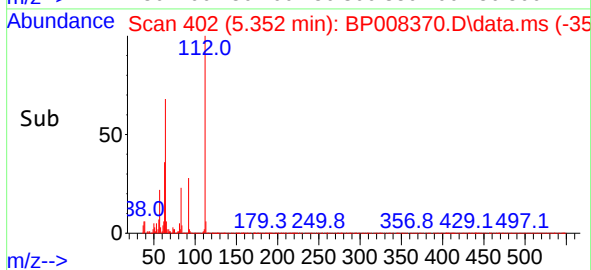
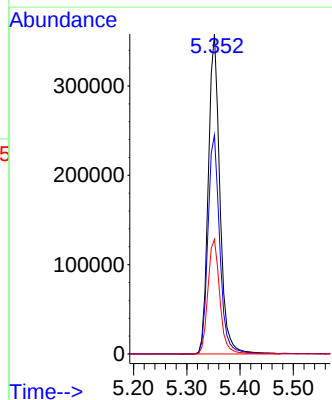
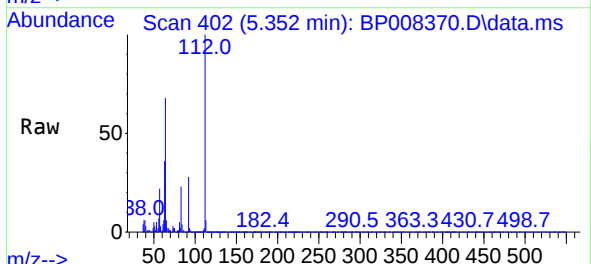
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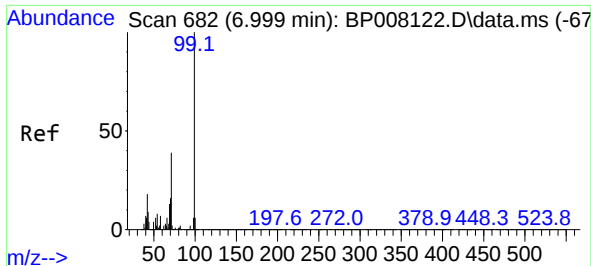
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#5
2-Fluorophenol
Concen: 150.217 ng
RT: 5.352 min Scan# 402
Delta R.T. -0.006 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

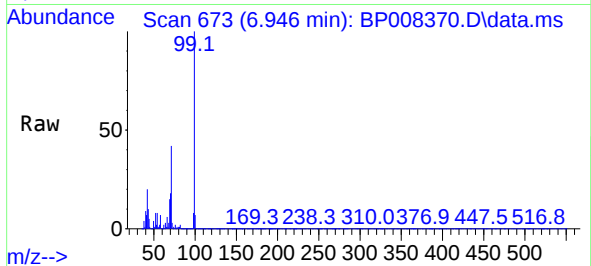
Tgt Ion:112 Resp: 539396
Ion Ratio Lower Upper
112 100
64 68.4 53.4 80.2
63 35.8 27.8 41.8





#7
Phenol-d6
Concen: 150.803 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

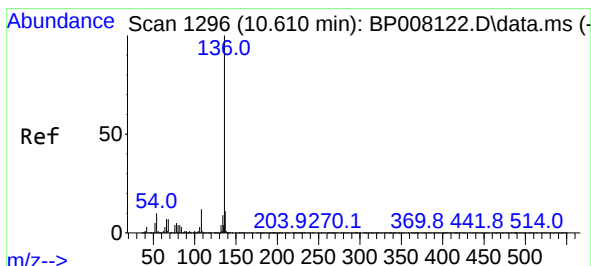
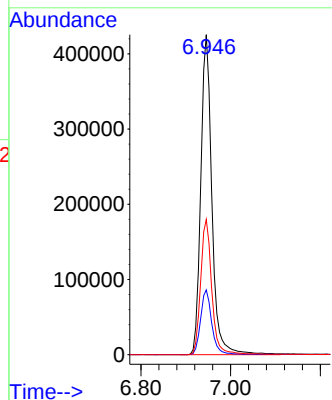
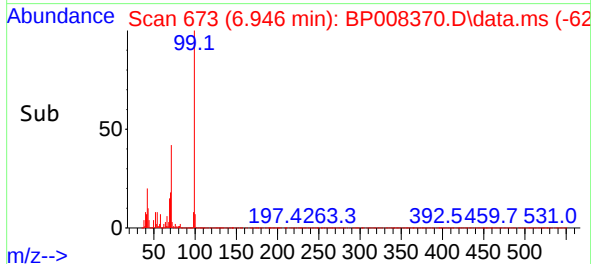
Instrument :
BNA_P
ClientSampleId :
TP5



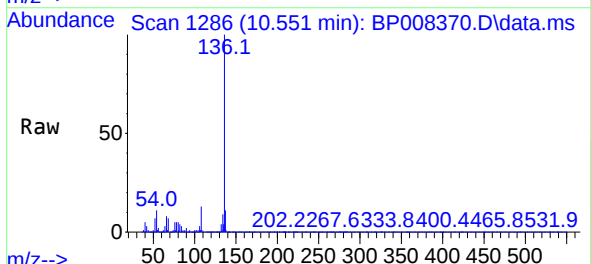
Tgt Ion: 99 Resp: 730980
Ion Ratio Lower Upper
99 100
42 20.2 14.6 22.0
71 42.2 31.1 46.7

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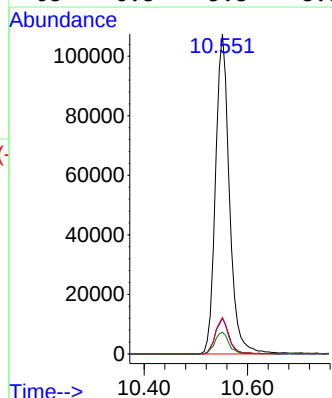
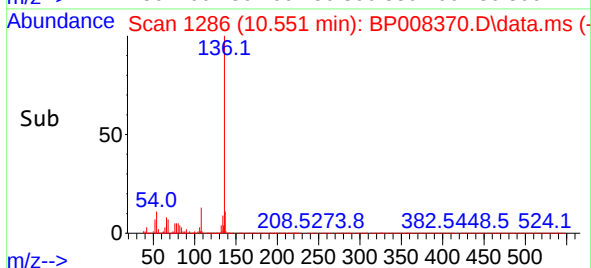
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

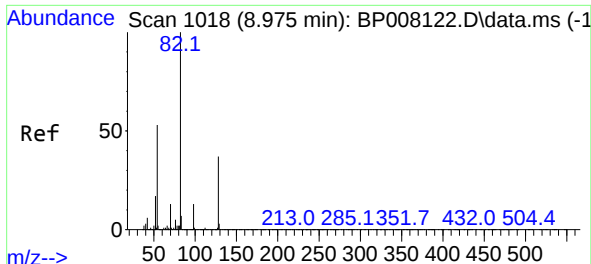


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11



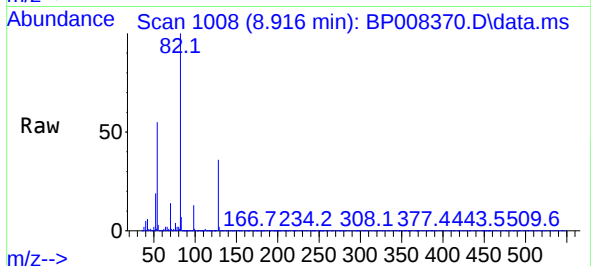
Tgt Ion:136 Resp: 200520
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 11.4 8.2 12.4
68 6.8 5.8 8.8





#23
Nitrobenzene-d5
Concen: 114.540 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.012 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

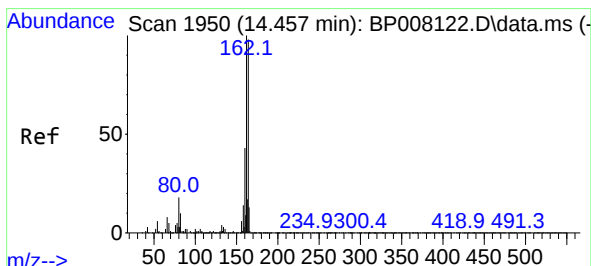
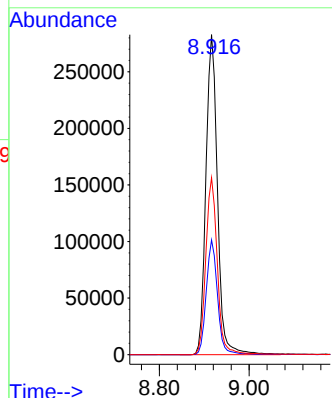
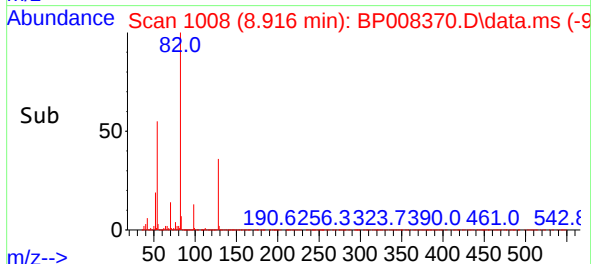
Instrument :
BNA_P
ClientSampleId :
TP5



Tgt Ion: 82 Resp: 505078
Ion Ratio Lower Upper
82 100
128 35.8 29.6 44.4
54 55.3 42.7 64.1

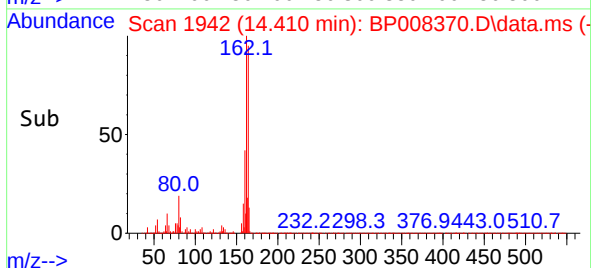
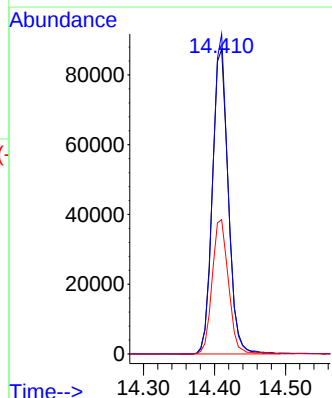
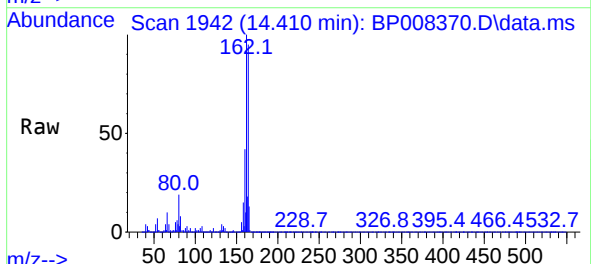
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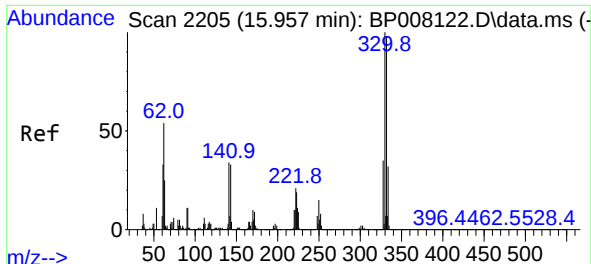
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

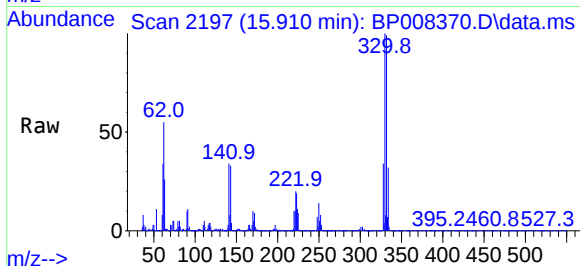
Tgt Ion:164 Resp: 135646
Ion Ratio Lower Upper
164 100
162 105.0 81.9 122.9
160 44.0 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 172.461 ng
RT: 15.910 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

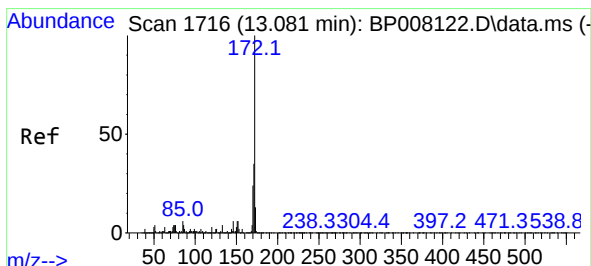
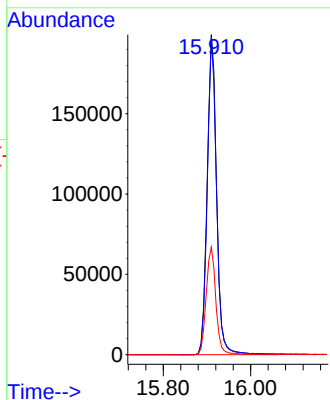
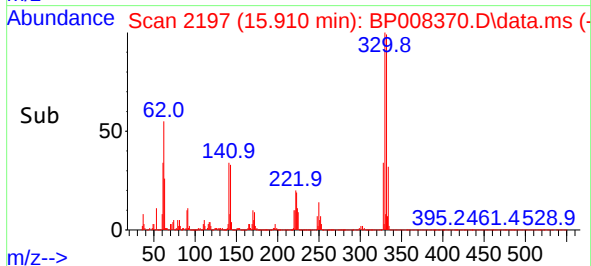
Instrument :
BNA_P
ClientSampleId :
TP5



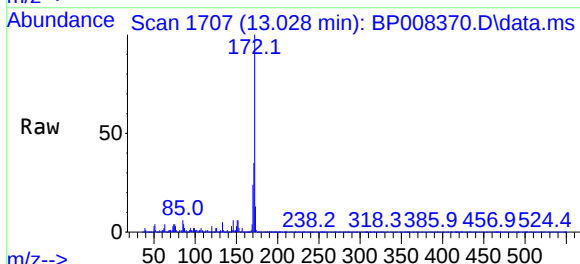
Tgt Ion:330 Resp: 29901
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 34.7 28.4 42.6

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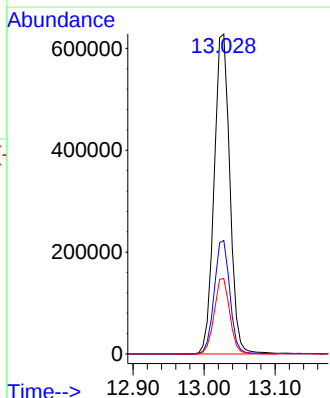
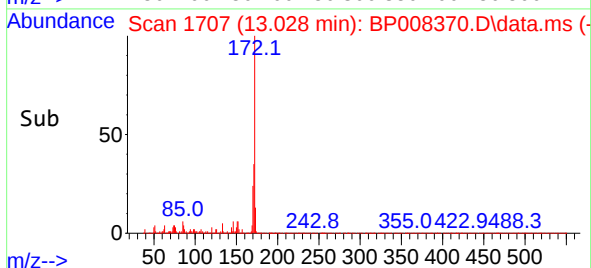
Reviewed By :Christian Giraldo 12/13/2021
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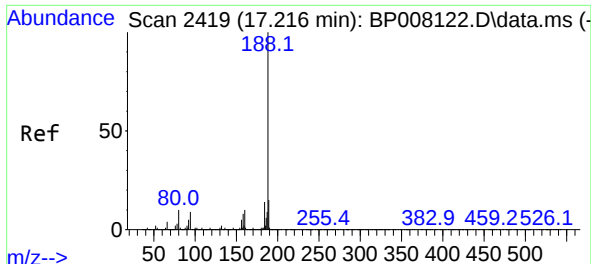


#45
2-Fluorobiphenyl
Concen: 103.206 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11



Tgt Ion:172 Resp: 963798
Ion Ratio Lower Upper
172 100
171 35.5 28.0 42.0
170 23.6 18.9 28.3





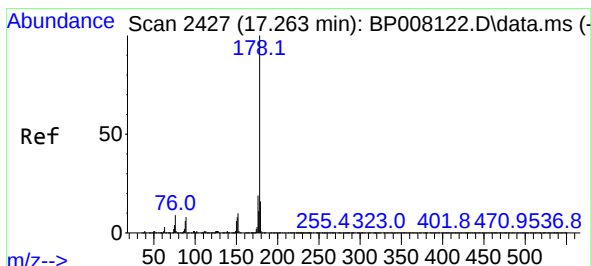
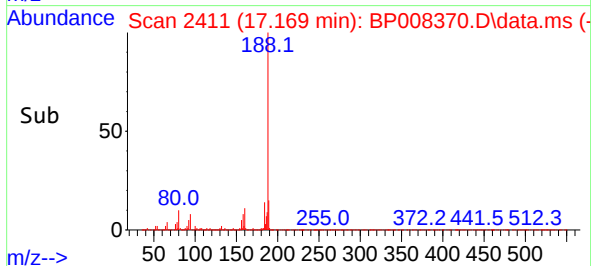
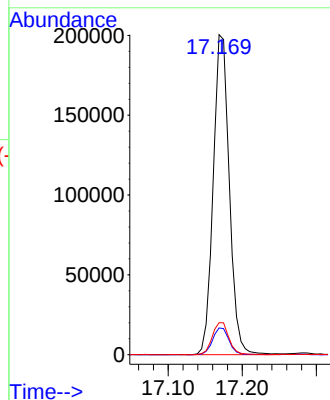
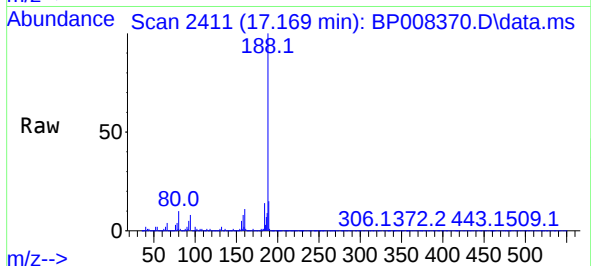
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2411
Delta R.T. -0.012 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

Instrument :
BNA_P
ClientSampleId :
TP5

Tgt Ion:188 Resp: 302678
Ion Ratio Lower Upper
188 100
94 8.3 7.2 10.8
80 10.0 8.2 12.4

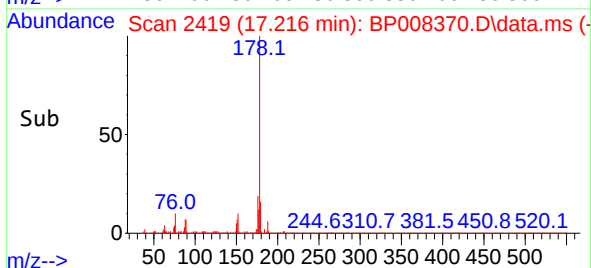
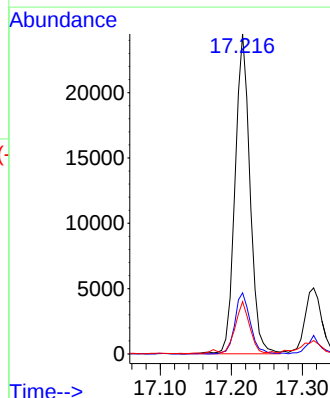
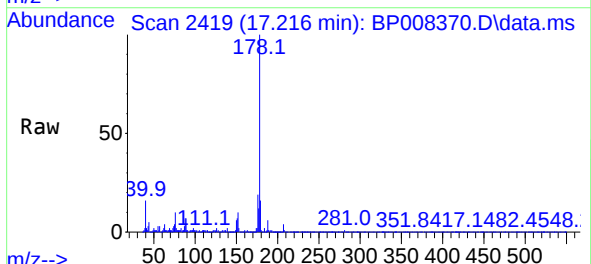
Manual Integrations
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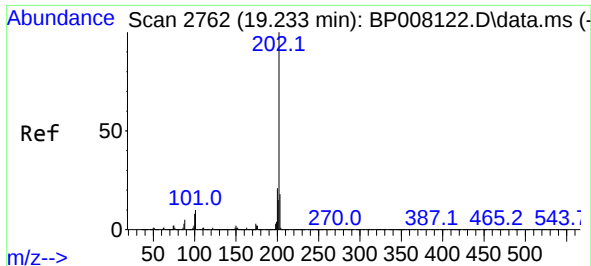
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#71
Phenanthrene
Concen: 2.240 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

Tgt Ion:178 Resp: 35791
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 16.4 12.5 18.7





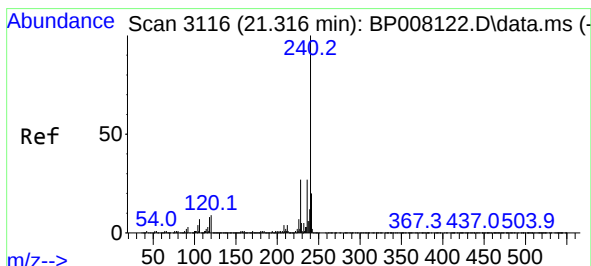
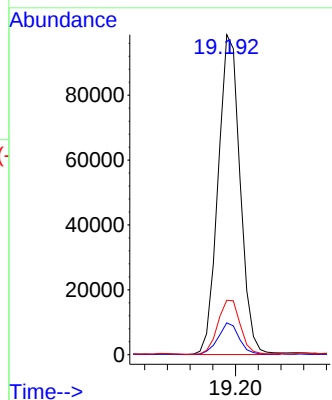
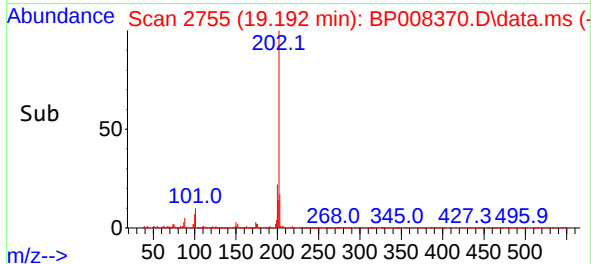
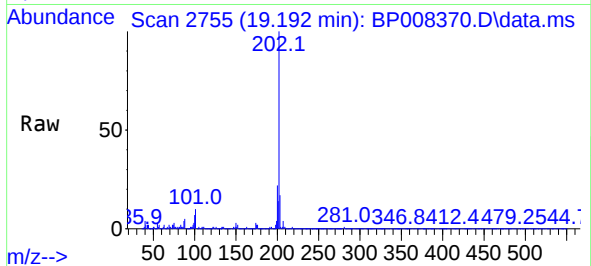
#75
Fluoranthene
Concen: 6.170 ng
RT: 19.192 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

Instrument :
BNA_P
ClientSampleId :
TP5

Tgt Ion:202 Resp: 13283
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.8
203 17.0 0.0 37.7

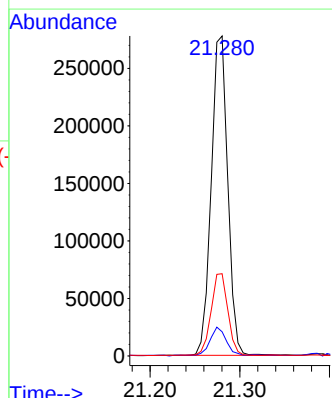
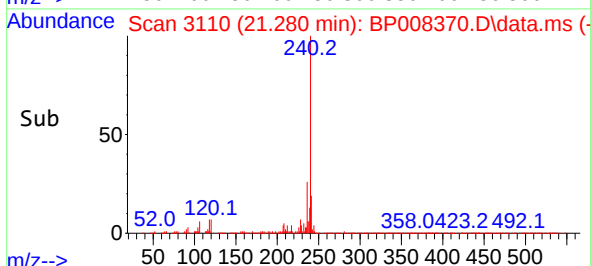
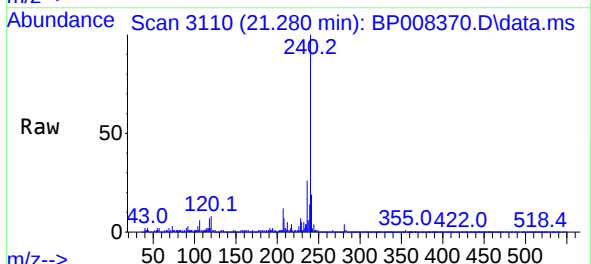
Manual Integrations
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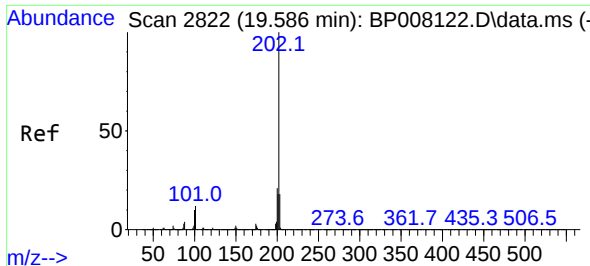
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

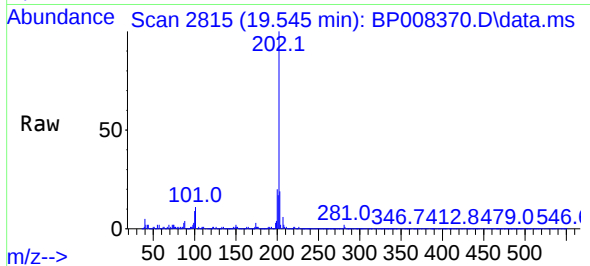
Tgt Ion:240 Resp: 354073
Ion Ratio Lower Upper
240 100
120 7.6 7.3 10.9
236 25.7 21.4 32.2





#78
Pyrene
Concen: 3.432 ng
RT: 19.545 min Scan# 2815
Delta R.T. -0.012 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

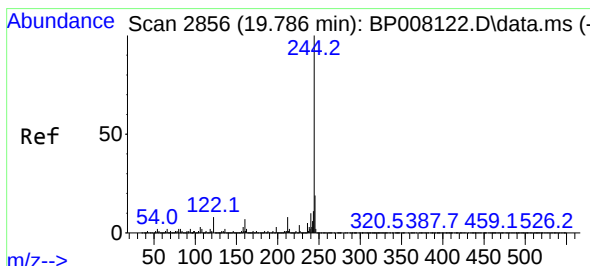
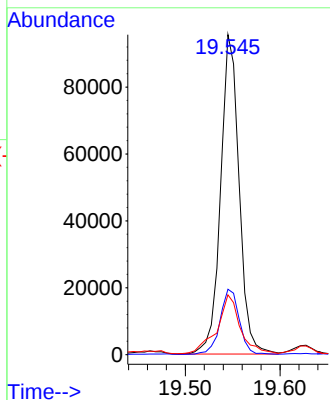
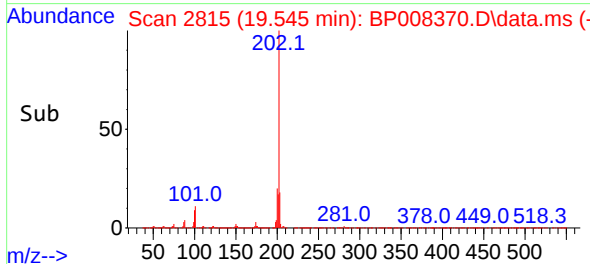
Instrument :
BNA_P
ClientSampleId :
TP5



Tgt Ion:202 Resp: 12984
Ion Ratio Lower Upper
202 100
200 20.5 17.1 25.7
203 18.7 14.2 21.2

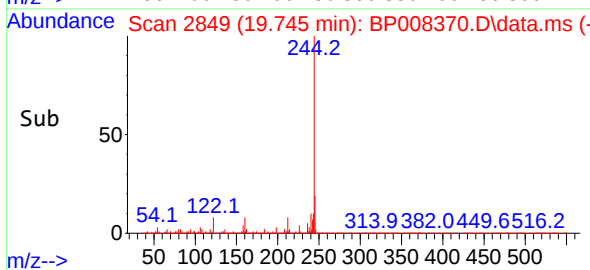
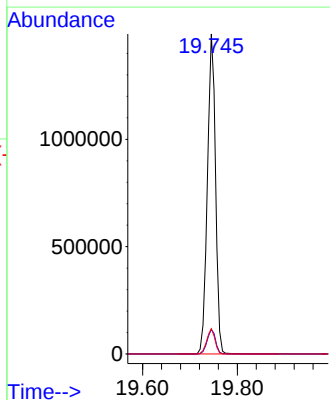
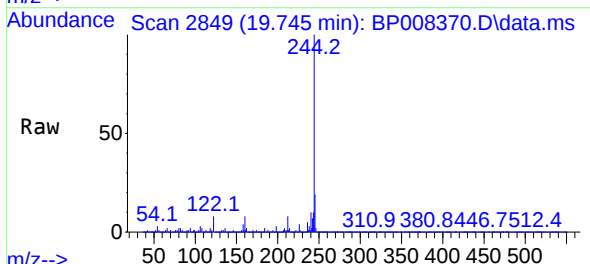
Manual Integrations
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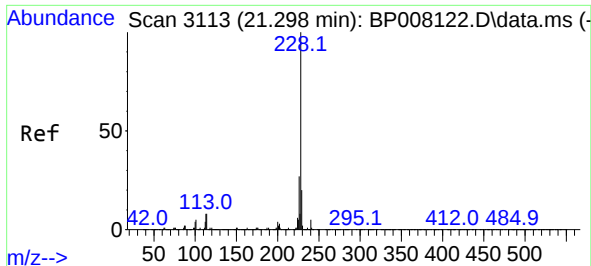
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#79
Terphenyl-d14
Concen: 105.032 ng
RT: 19.745 min Scan# 2849
Delta R.T. -0.012 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

Tgt Ion:244 Resp: 1779438
Ion Ratio Lower Upper
244 100
212 7.7 6.0 9.0
122 7.9 6.6 9.8





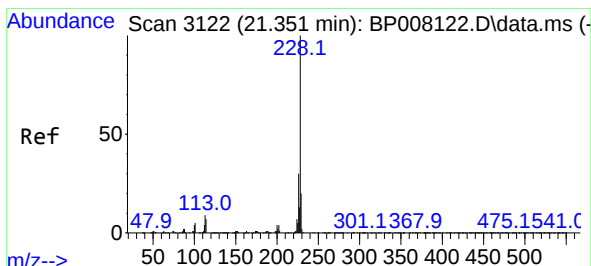
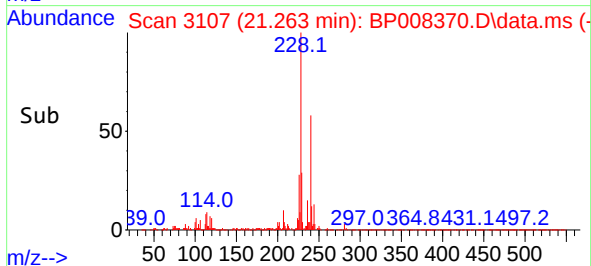
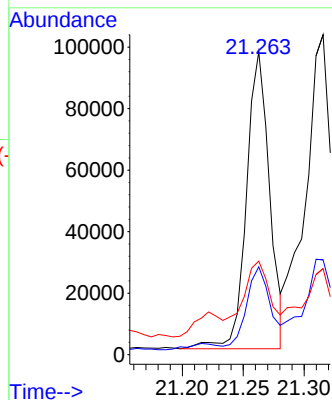
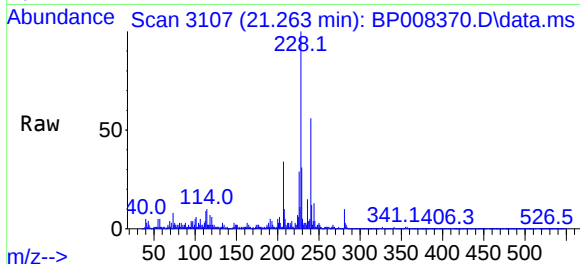
#81
Benzo(a)anthracene
Concen: 5.446 ng
RT: 21.263 min Scan# 3113
Delta R.T. -0.012 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

Instrument :
BNA_P
ClientSampleId :
TP5

Tgt Ion:228 Resp: 127800
Ion Ratio Lower Upper
228 100
226 29.0 21.9 32.9
229 30.9 15.9 23.9

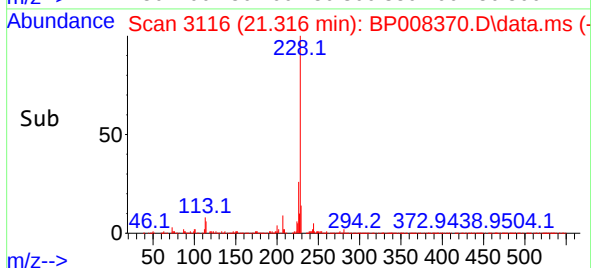
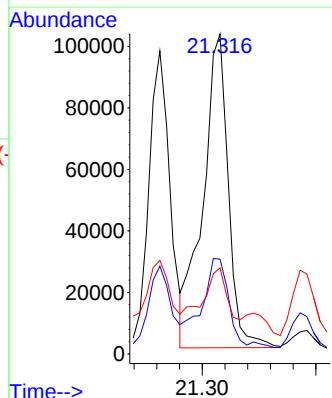
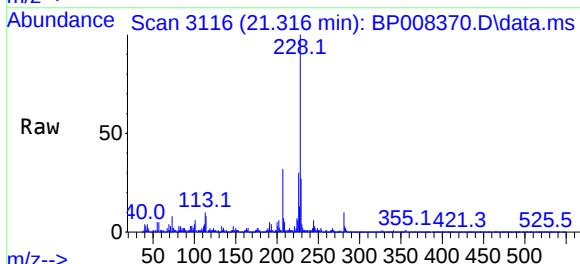
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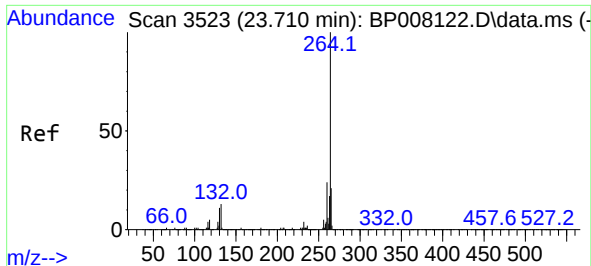
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#83
Chrysene
Concen: 7.118 ng
RT: 21.316 min Scan# 3116
Delta R.T. -0.012 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

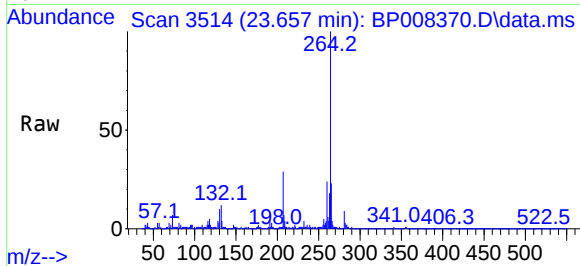
Tgt Ion:228 Resp: 158946
Ion Ratio Lower Upper
228 100
226 29.6 24.0 36.0
229 26.9 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.657 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

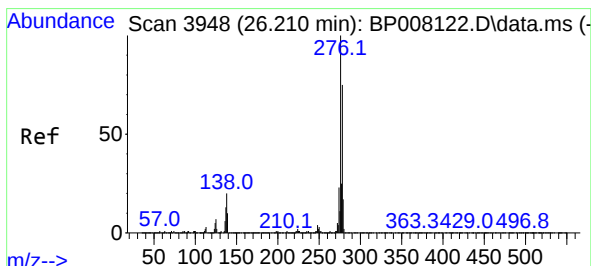
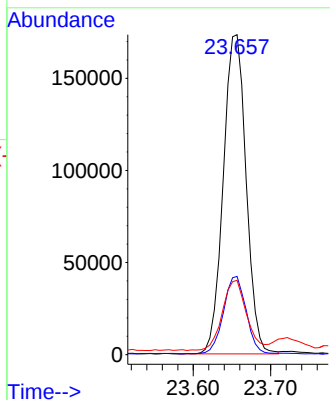
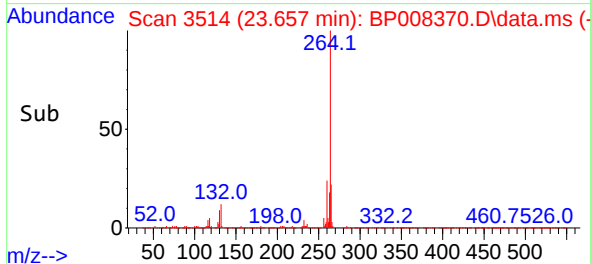
Instrument :
BNA_P
ClientSampleId :
TP5



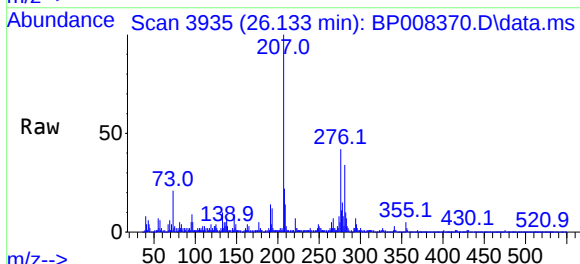
Tgt Ion:264 Resp: 355489
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 23.3 17.6 26.4

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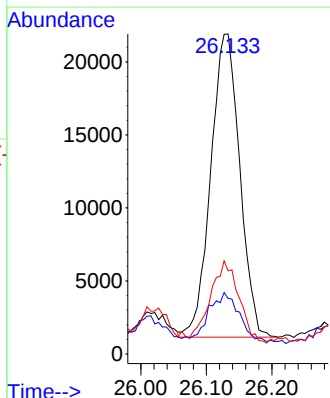
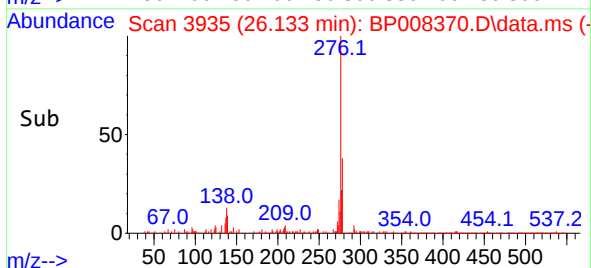
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

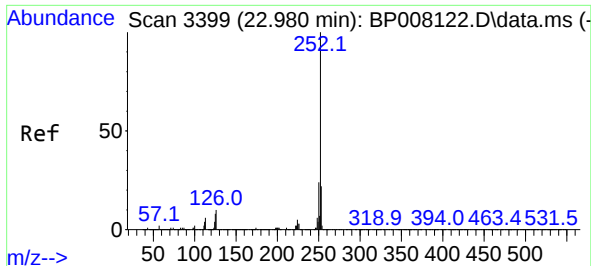


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.470 ng
RT: 26.133 min Scan# 3935
Delta R.T. -0.029 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11



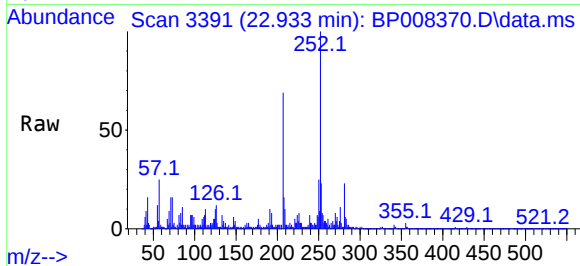
Tgt Ion:276 Resp: 63883
Ion Ratio Lower Upper
276 100
138 18.4 16.6 25.0
277 26.9 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 7.669 ng
RT: 22.933 min Scan# 3391
Delta R.T. -0.012 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

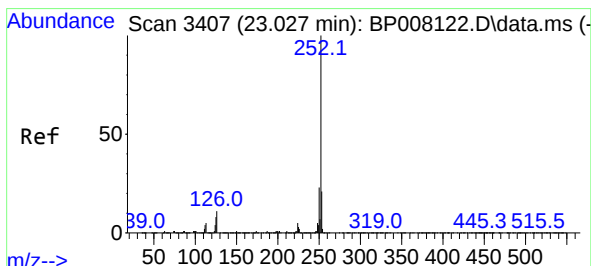
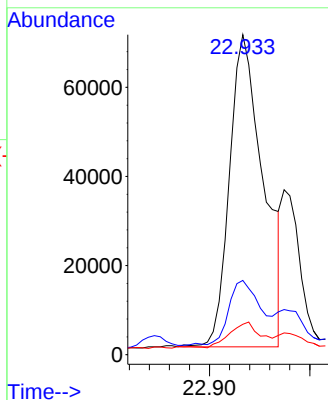
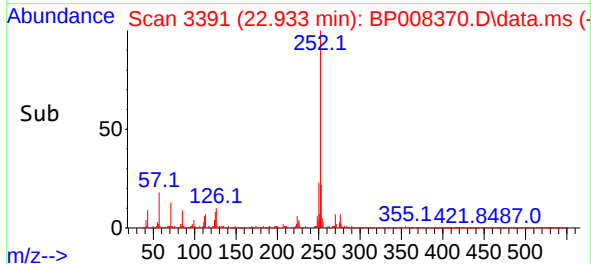
Instrument :
BNA_P
ClientSampleId :
TP5



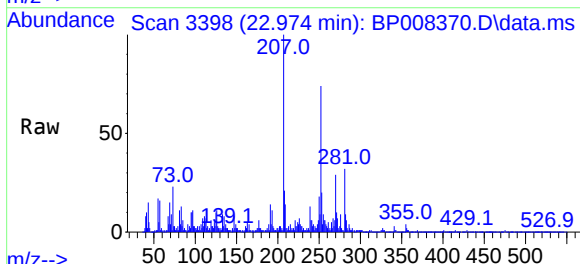
Tgt Ion:252 Resp: 164349
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 9.5 6.2 9.4

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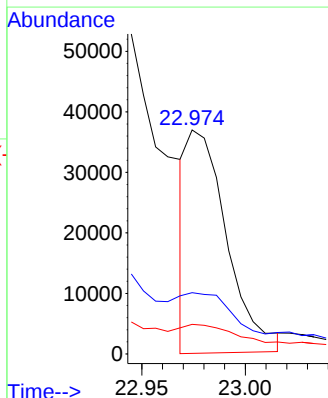
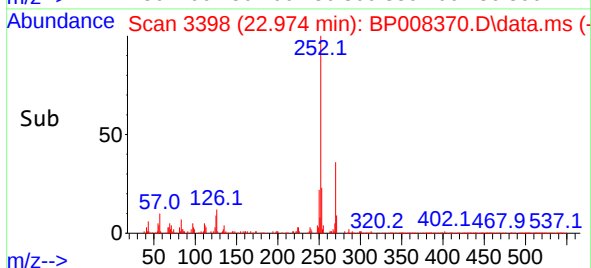
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

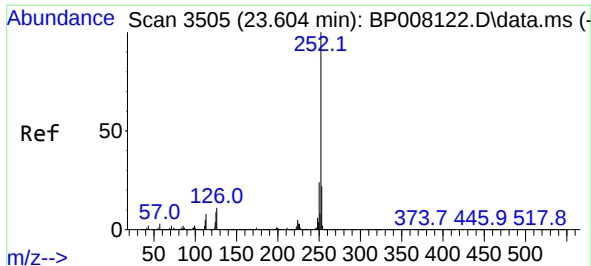


#89
Benzo(k)fluoranthene
Concen: 2.334 ng m
RT: 22.974 min Scan# 3398
Delta R.T. -0.024 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11



Tgt Ion:252 Resp: 48978
Ion Ratio Lower Upper
252 100
253 27.4 17.3 25.9#
125 13.2 6.5 9.7#





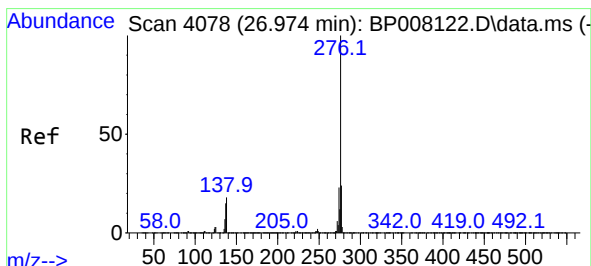
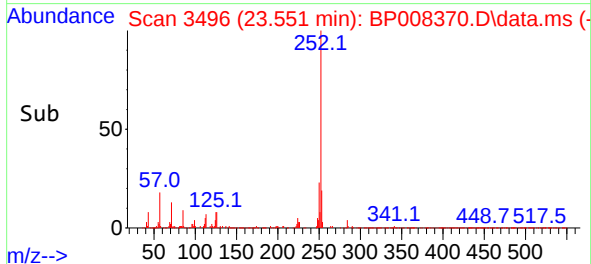
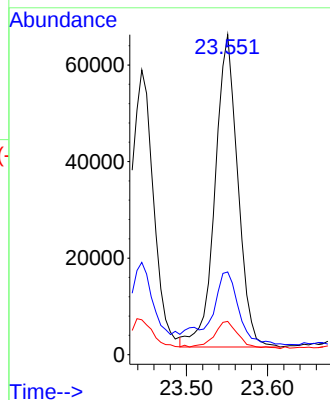
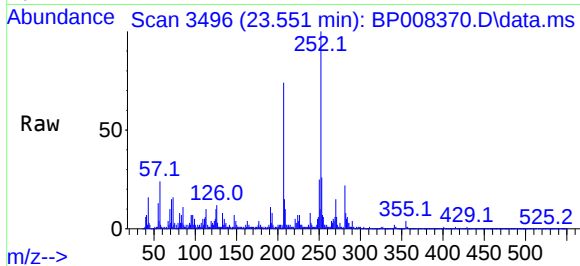
#90
Benzo(a)pyrene
Concen: 6.893 ng
RT: 23.551 min Scan# 34
Delta R.T. -0.018 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

Instrument :
BNA_P
ClientSampleId :
TP5

Tgt Ion:252 Resp: 12626
Ion Ratio Lower Upper
252 100
253 25.8 17.6 26.4
125 10.4 7.4 11.0

Manual Integrations
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Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#92
Benzo(g,h,i)perylene
Concen: 3.928 ng
RT: 26.886 min Scan# 4063
Delta R.T. -0.035 min
Lab File: BP008370.D
Acq: 11 Dec 2021 16:11

Tgt Ion:276 Resp: 85122
Ion Ratio Lower Upper
276 100
277 26.1 20.0 30.0
138 21.8 14.1 21.1#

