

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120321\
 Data File : BP008216.D
 Acq On : 03 Dec 2021 21:24
 Operator : CG/JU
 Sample : M4915-10 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-5-4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/06/2021
 Supervised By :Sohil Jodhani 12/06/2021

Quant Time: Dec 06 00:01:07 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 03 14:39:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	113619	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	432848	20.000	ng	0.00
39) Acenaphthene-d10	14.440	164	288360	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	577129	20.000	ng	0.00
76) Chrysene-d12	21.310	240	416508	20.000	ng	0.00
86) Perylene-d12	23.704	264	469376	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	98320	13.933	ng	0.00
7) Phenol-d6	6.981	99	123029	12.915	ng	0.00
23) Nitrobenzene-d5	8.952	82	85411	8.973	ng	-0.01
42) 2,4,6-Tribromophenol	15.945	330	41415	11.237	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	187330	9.436	ng	0.00
79) Terphenyl-d14	19.775	244	232817	11.682	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.498	166	53052	2.515	ng	97
71) Phenanthrene	17.245	178	637050	20.907	ng	100
72) Anthracene	17.339	178	162303	5.367	ng	99
75) Fluoranthene	19.222	202	550974	13.422	ng	98
78) Pyrene	19.575	202	533396	18.828	ng	98
81) Benzo(a)anthracene	21.292	228	233340	8.453	ng	98
83) Chrysene	21.345	228	211584	8.055	ng	95
87) Indeno(1,2,3-cd)pyrene	26.204	276	112133	3.284	ng	96
88) Benzo(b)fluoranthene	22.980	252	224618	7.938	ng	# 92
89) Benzo(k)fluoranthene	23.022	252	69612m	2.513	ng	
90) Benzo(a)pyrene	23.598	252	186767	7.723	ng	97
92) Benzo(g,h,i)perylene	26.974	276	113625	3.971	ng	98

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

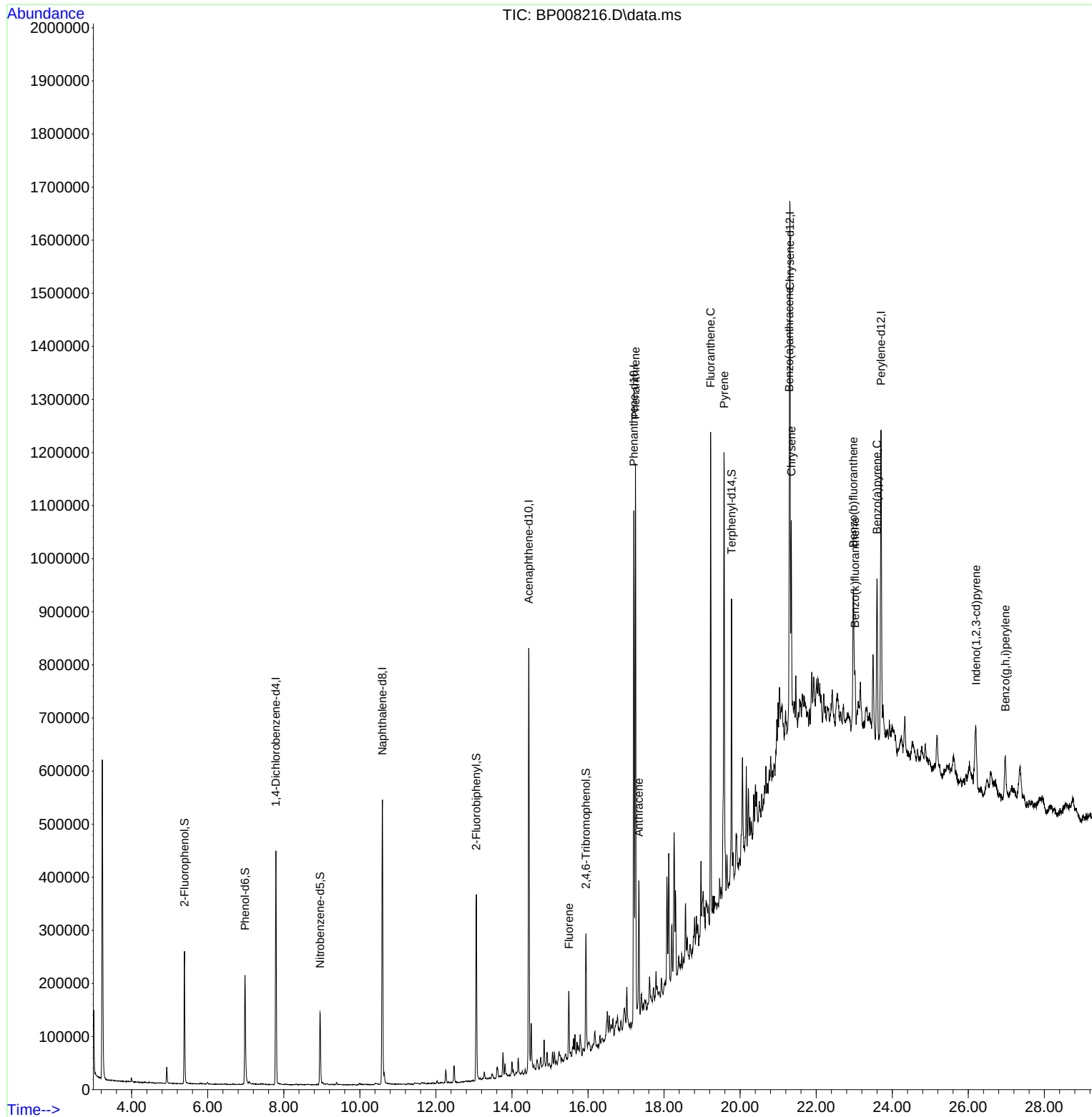
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120321\
Data File : BP008216.D
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ALS Vial : 15 Sample Multiplier: 1

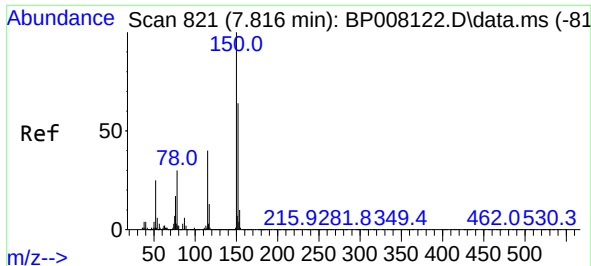
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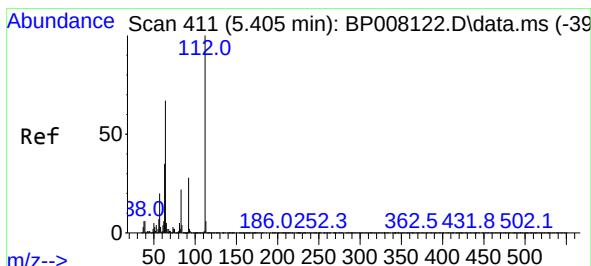
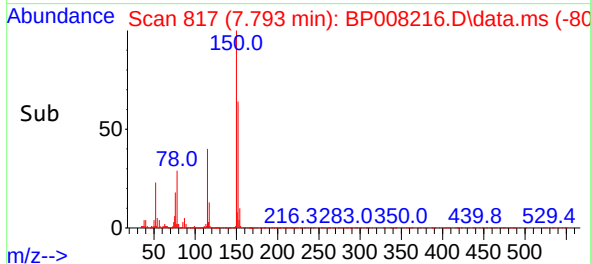
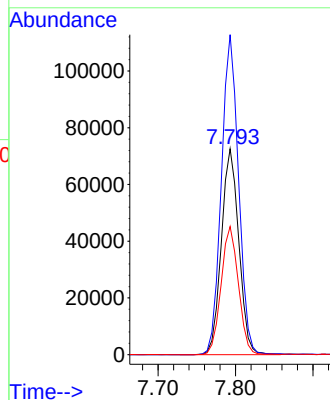
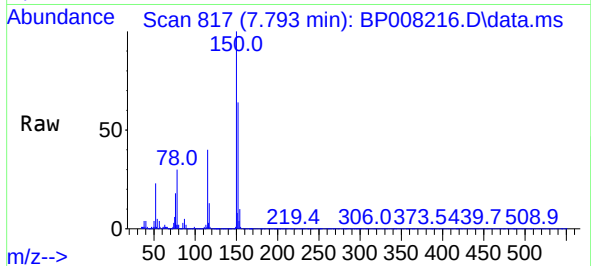
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Instrument :
BNA_P
ClientSampleId :
B-5-4

Tgt Ion:152 Resp: 113619
Ion Ratio Lower Upper
152 100
150 155.4 125.7 188.5
115 62.3 50.7 76.1

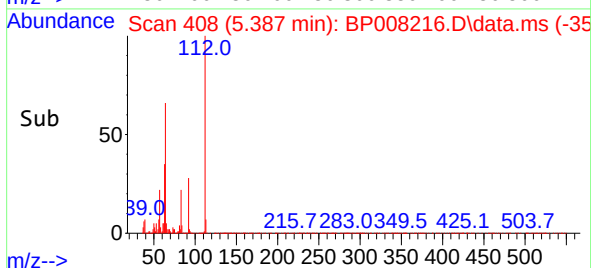
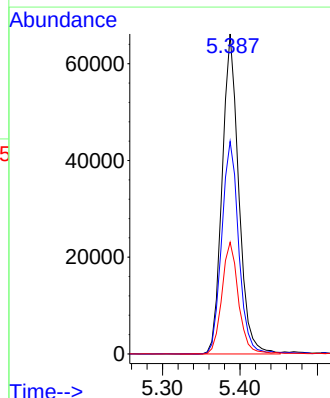
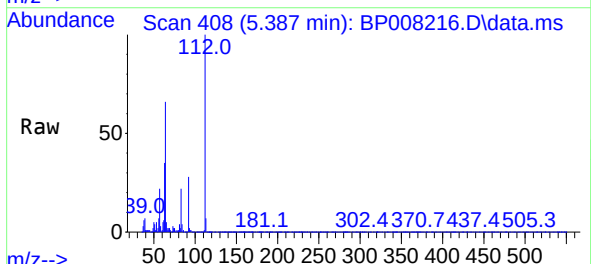
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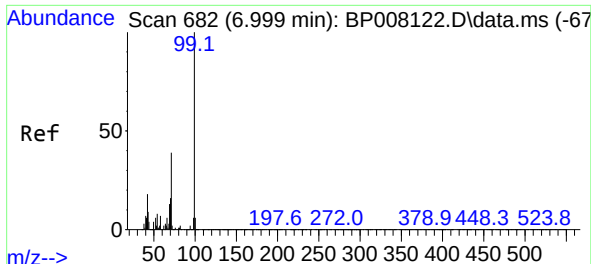
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#5
2-Fluorophenol
Concen: 13.933 ng
RT: 5.387 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

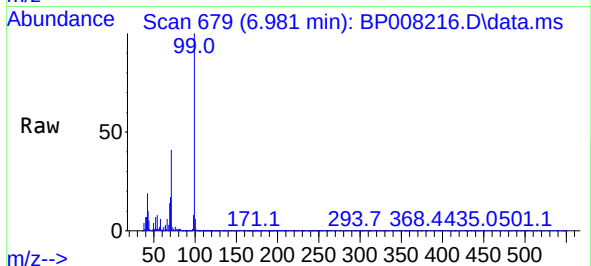
Tgt Ion:112 Resp: 98320
Ion Ratio Lower Upper
112 100
64 66.4 53.4 80.2
63 34.9 27.8 41.8





#7
Phenol-d6
Concen: 12.915 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

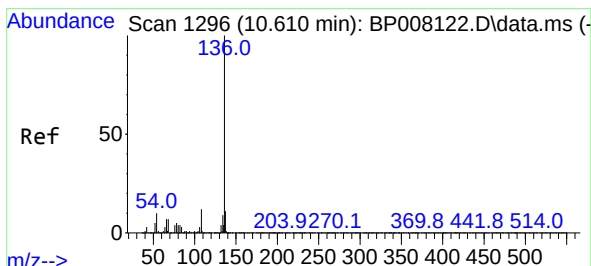
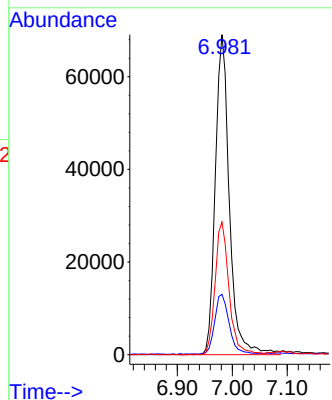
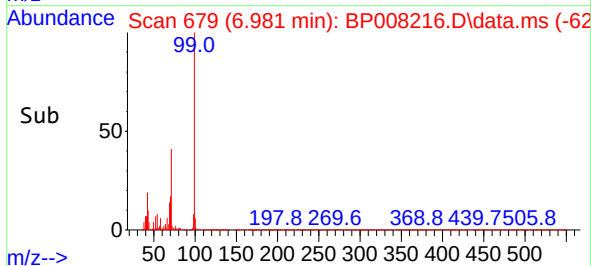
Instrument :
BNA_P
ClientSampleId :
B-5-4



Tgt Ion: 99 Resp: 123029
Ion Ratio Lower Upper
99 100
42 18.9 14.6 22.0
71 41.5 31.1 46.7

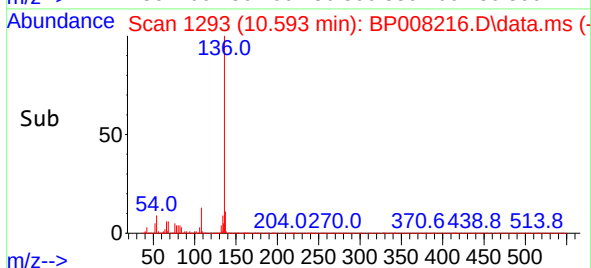
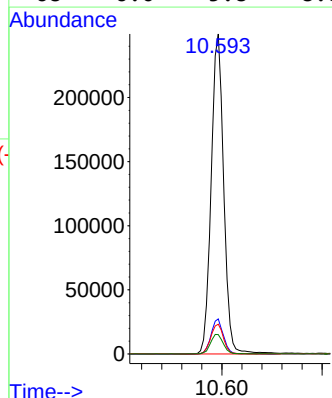
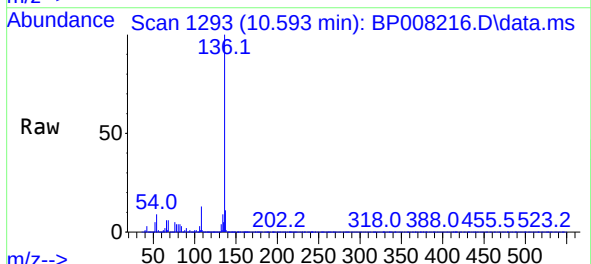
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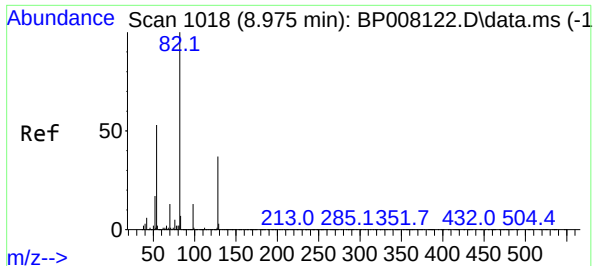
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Tgt Ion:136 Resp: 432848
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 9.3 8.2 12.4
68 6.0 5.8 8.8





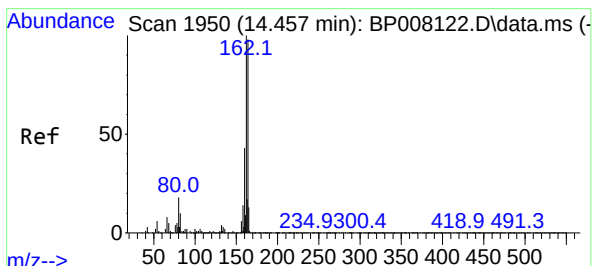
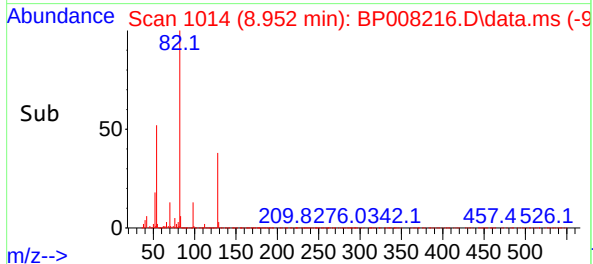
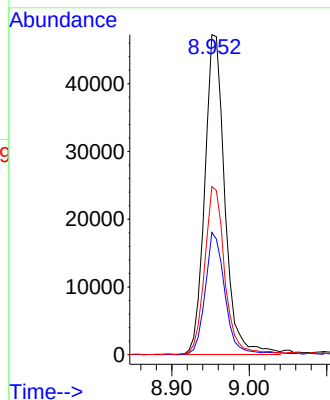
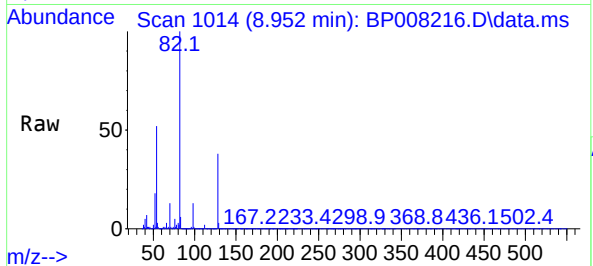
#23
Nitrobenzene-d5
Concen: 8.973 ng
RT: 8.952 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Instrument :
BNA_P
ClientSampleId :
B-5-4

Tgt Ion: 82 Resp: 8541
Ion Ratio Lower Upper
82 100
128 38.2 29.6 44.4
54 52.5 42.7 64.1

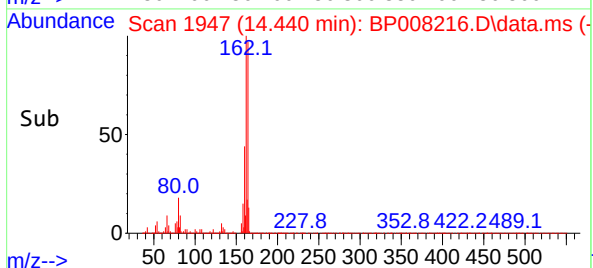
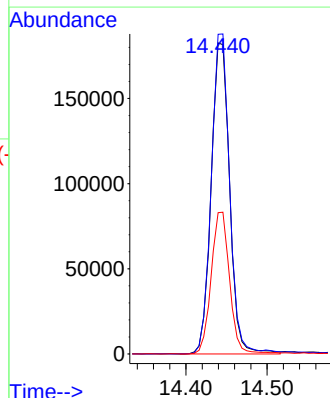
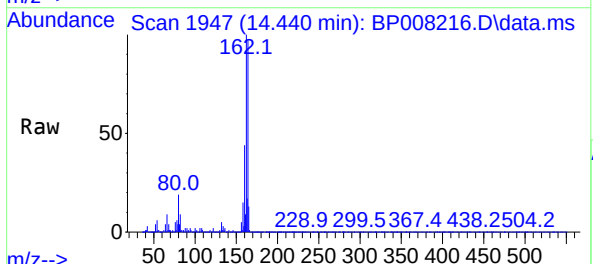
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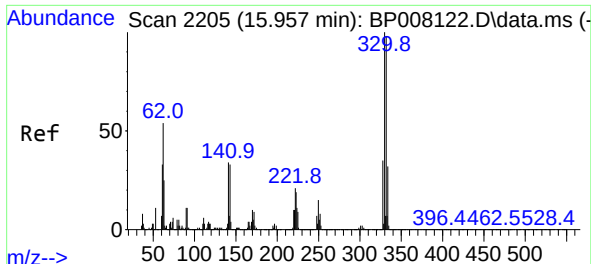
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.440 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Tgt Ion:164 Resp: 288360
Ion Ratio Lower Upper
164 100
162 102.8 81.9 122.9
160 45.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 11.237 ng

RT: 15.945 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP008216.D

Acq: 03 Dec 2021 21:24

Instrument :

BNA_P

ClientSampleId :

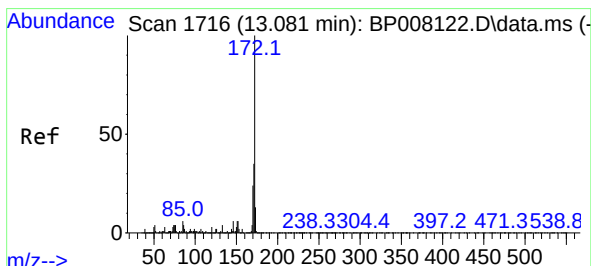
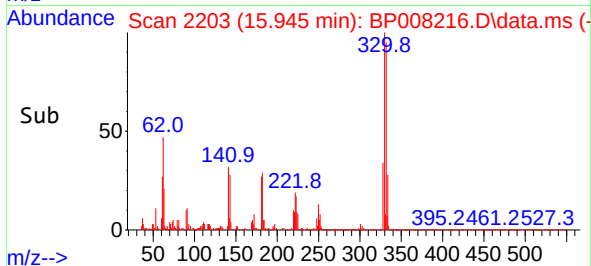
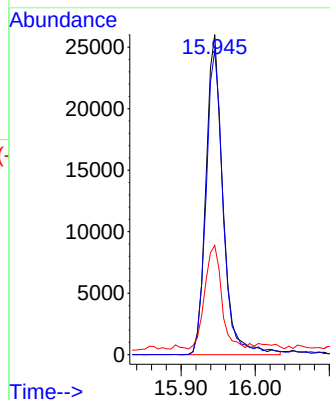
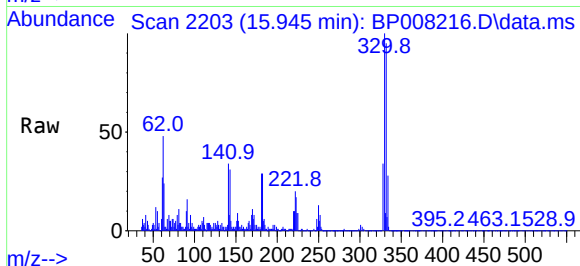
B-5-4

Tgt Ion:	330	Resp:	4141
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.0	115.4
141	32.3	28.4	42.6

Manual Integrations

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#45

2-Fluorobiphenyl

Concen: 9.436 ng

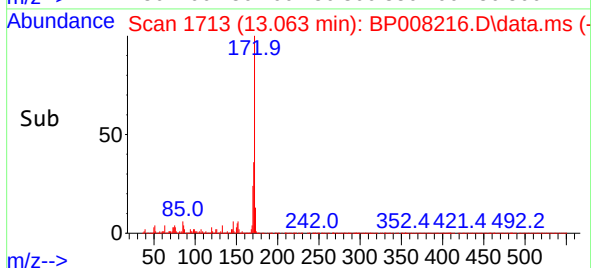
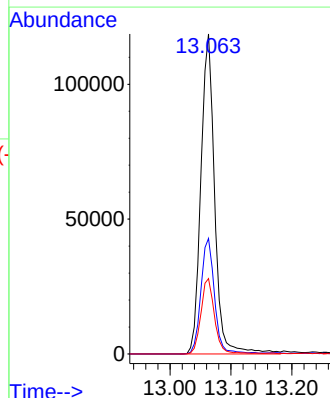
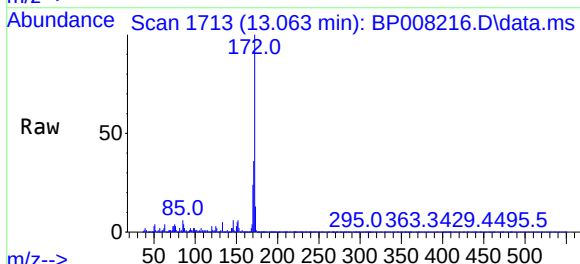
RT: 13.063 min Scan# 1713

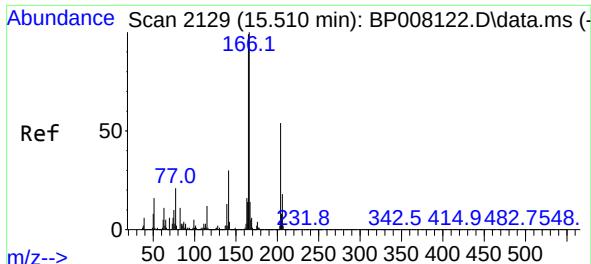
Delta R.T. -0.006 min

Lab File: BP008216.D

Acq: 03 Dec 2021 21:24

Tgt Ion:	172	Resp:	187330
Ion Ratio	Lower	Upper	
172	100		
171	36.1	28.0	42.0
170	23.6	18.9	28.3





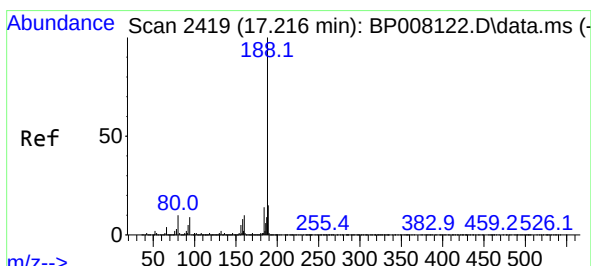
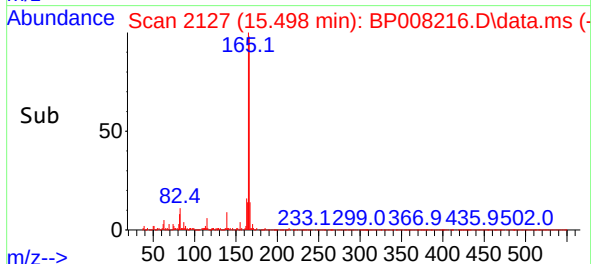
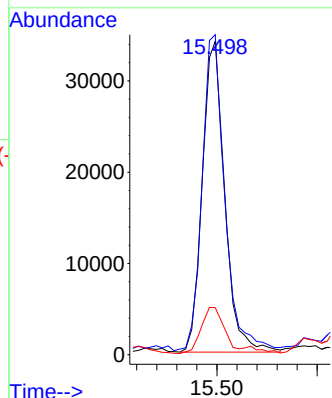
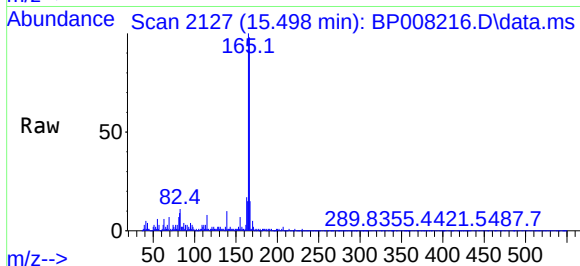
#58
Fluorene
Concen: 2.515 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Instrument :
BNA_P
ClientSampleId :
B-5-4

Tgt Ion:166 Resp: 5305
Ion Ratio Lower Upper
166 100
165 102.1 79.4 119.2
167 15.0 10.9 16.3

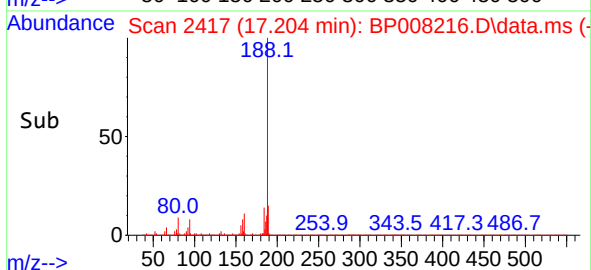
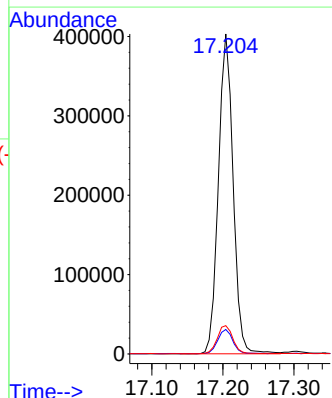
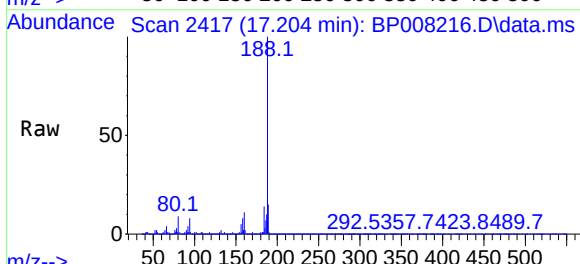
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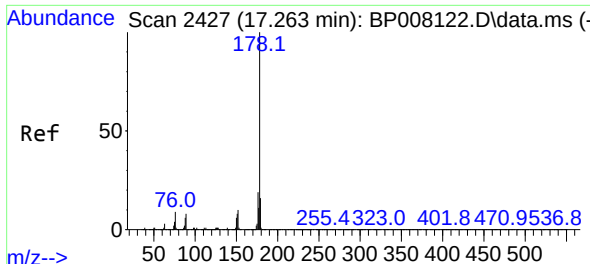
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Tgt Ion:188 Resp: 577129
Ion Ratio Lower Upper
188 100
94 7.6 7.2 10.8
80 8.9 8.2 12.4





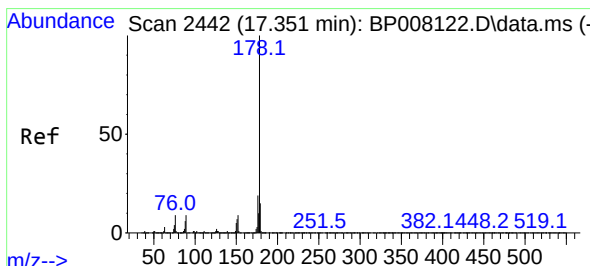
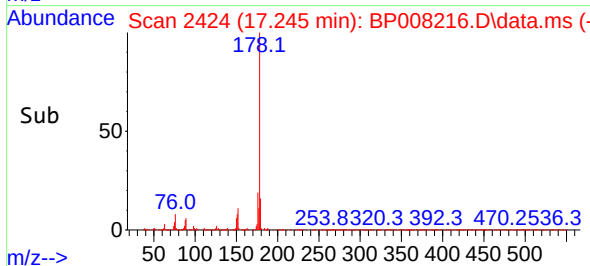
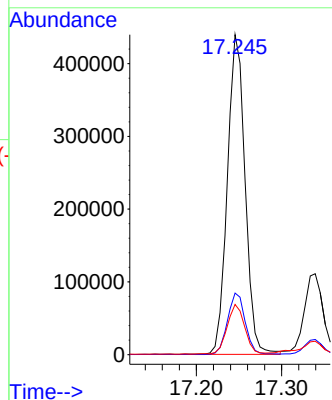
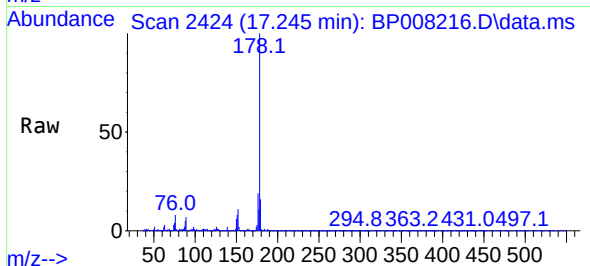
#71
Phenanthrene
Concen: 20.907 ng
RT: 17.245 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Instrument :
BNA_P
ClientSampleId :
B-5-4

Tgt Ion:178 Resp: 637050
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.7 12.5 18.7

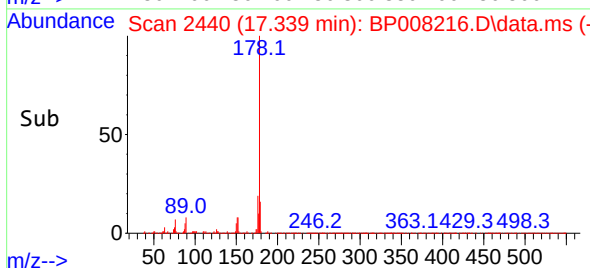
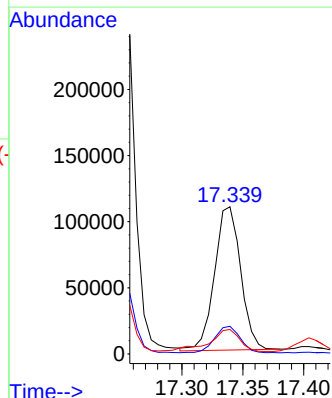
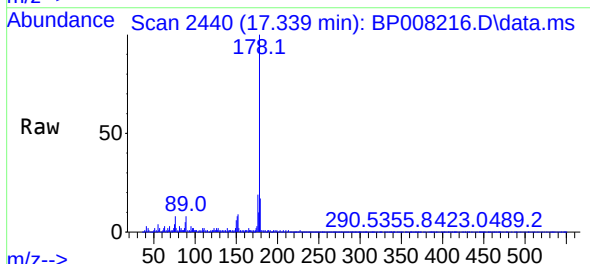
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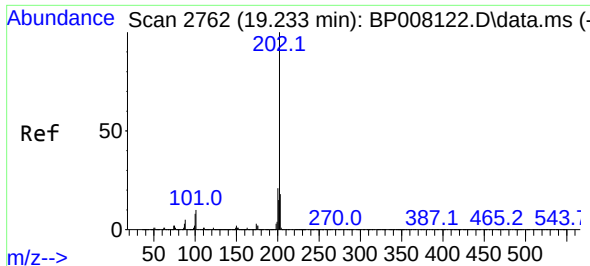
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#72
Anthracene
Concen: 5.367 ng
RT: 17.339 min Scan# 2440
Delta R.T. -0.006 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Tgt Ion:178 Resp: 162303
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 16.7 12.3 18.5





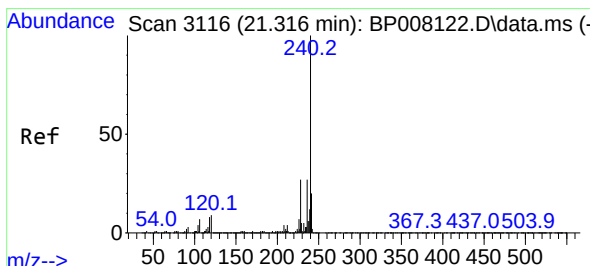
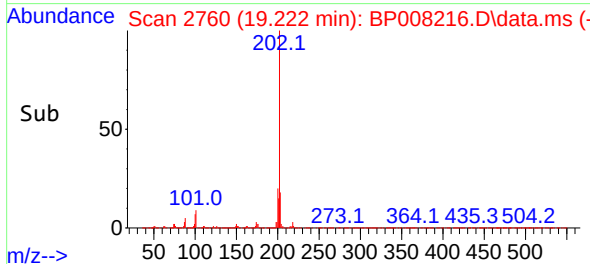
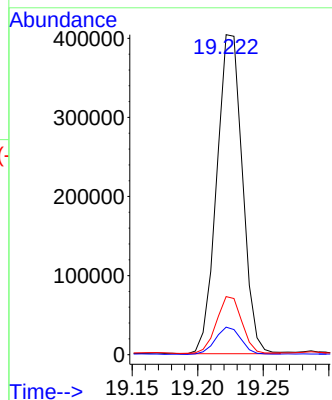
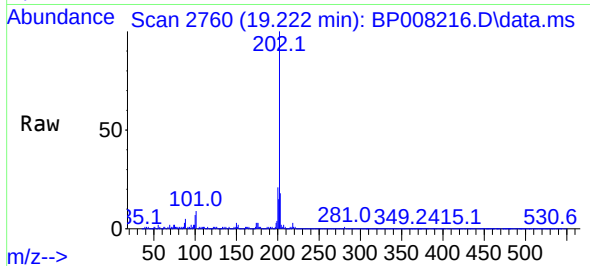
#75
Fluoranthene
Concen: 13.422 ng
RT: 19.222 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Instrument :
BNA_P
ClientSampleId :
B-5-4

Tgt Ion:202 Resp: 550974
Ion Ratio Lower Upper
202 100
101 8.6 0.0 29.8
203 18.1 0.0 37.7

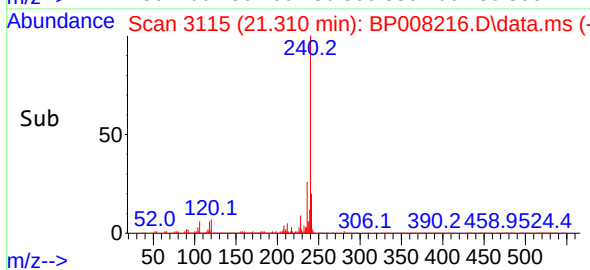
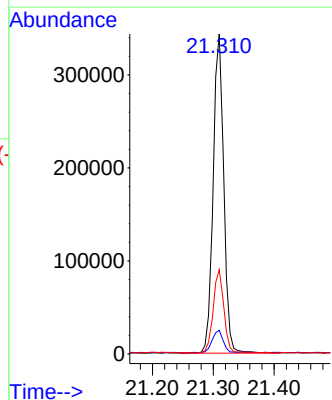
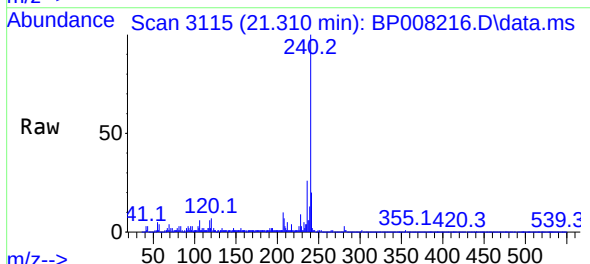
Manual Integrations
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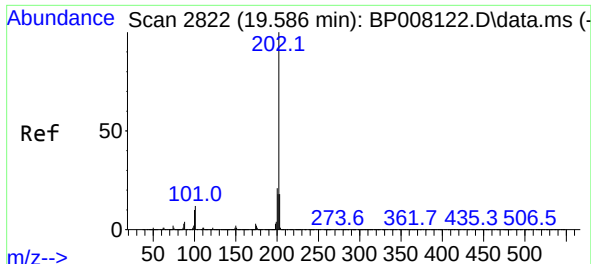
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Tgt Ion:240 Resp: 416508
Ion Ratio Lower Upper
240 100
120 7.4 7.3 10.9
236 26.4 21.4 32.2





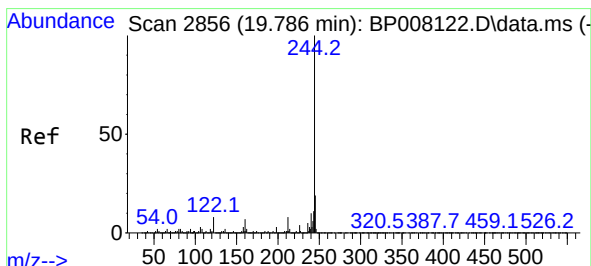
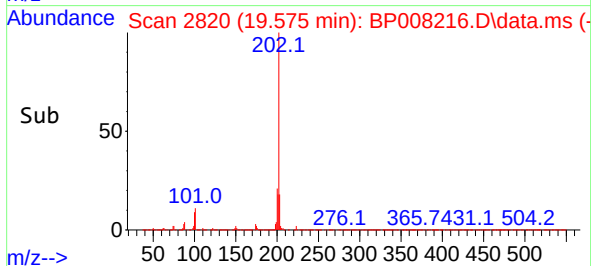
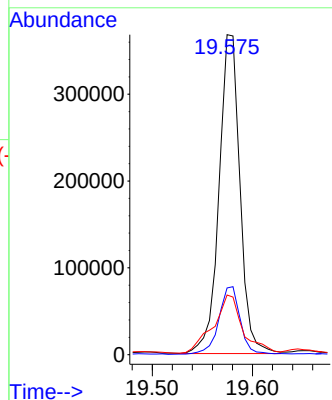
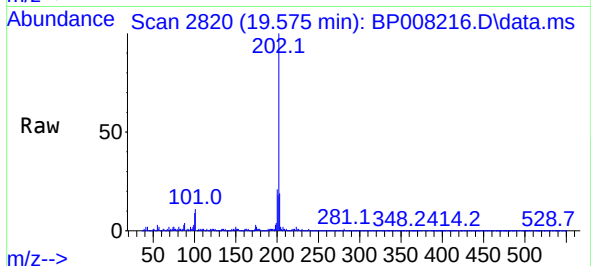
#78
Pyrene
Concen: 18.828 ng
RT: 19.575 min Scan# 2820
Delta R.T. -0.012 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Instrument :
BNA_P
ClientSampleId :
B-5-4

Tgt Ion:202 Resp: 533390
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 18.6 14.2 21.2

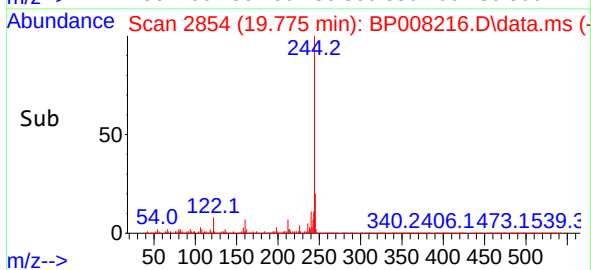
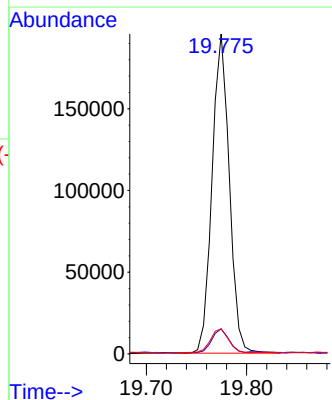
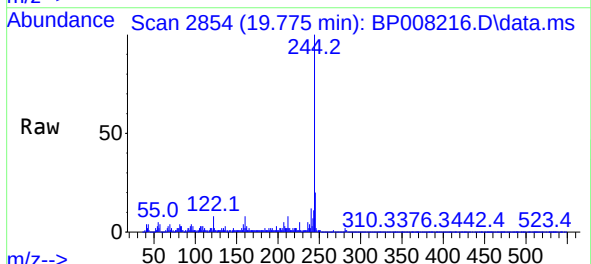
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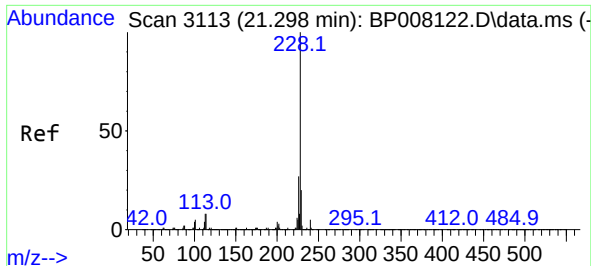
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#79
Terphenyl-d14
Concen: 11.682 ng
RT: 19.775 min Scan# 2854
Delta R.T. -0.006 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Tgt Ion:244 Resp: 232817
Ion Ratio Lower Upper
244 100
212 7.8 6.0 9.0
122 7.9 6.6 9.8





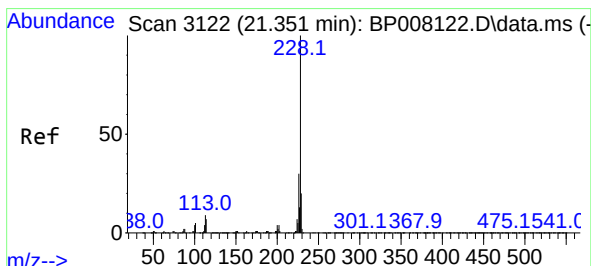
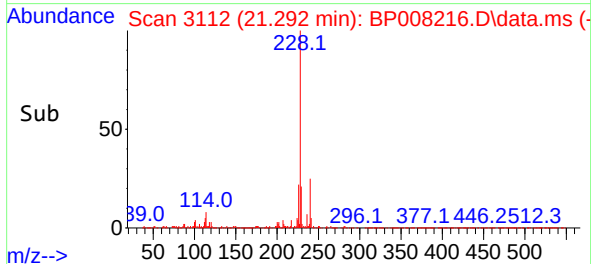
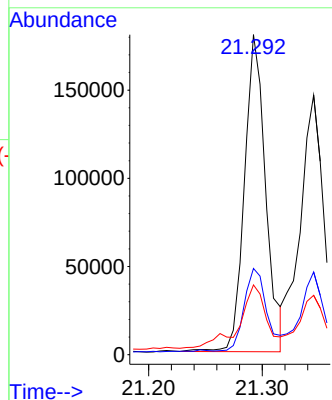
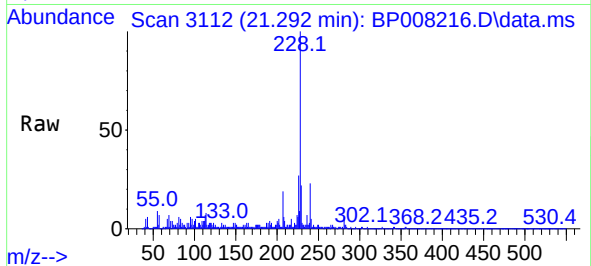
#81
Benzo(a)anthracene
Concen: 8.453 ng
RT: 21.292 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Instrument :
BNA_P
ClientSampleId :
B-5-4

Tgt Ion:228 Resp: 233340
Ion Ratio Lower Upper
228 100
226 26.9 21.9 32.9
229 21.8 15.9 23.9

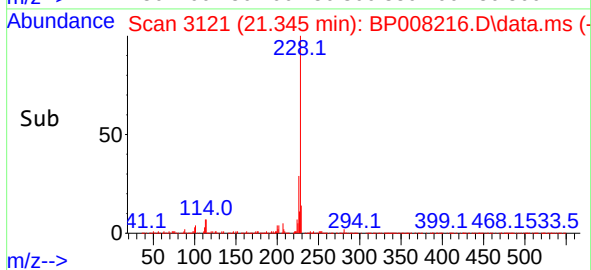
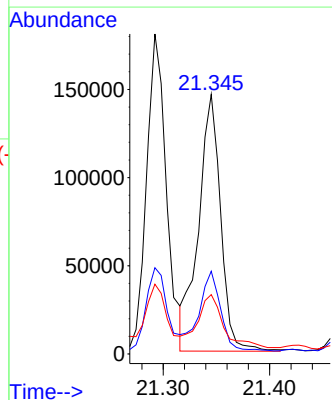
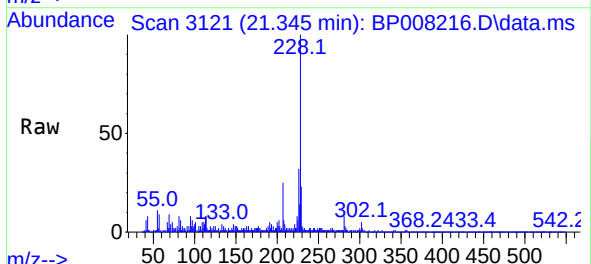
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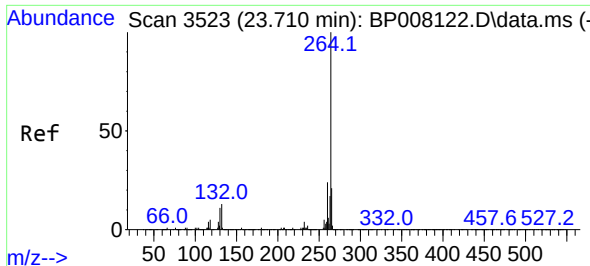
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#83
Chrysene
Concen: 8.055 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

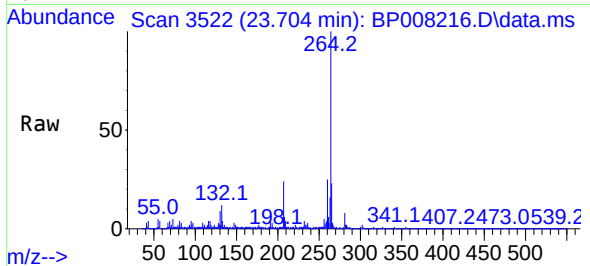
Tgt Ion:228 Resp: 211584
Ion Ratio Lower Upper
228 100
226 31.9 24.0 36.0
229 22.9 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.704 min Scan# 3523
Delta R.T. -0.012 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

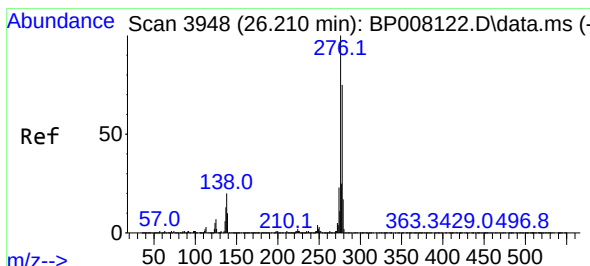
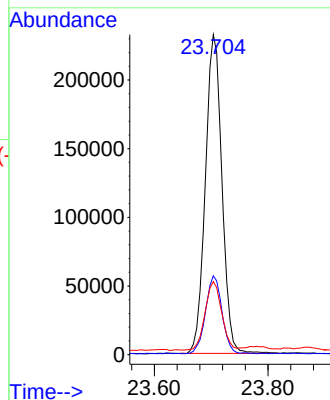
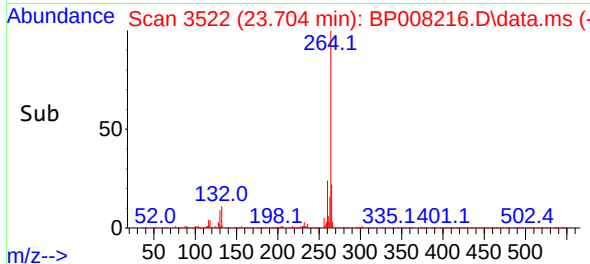
Instrument :
BNA_P
ClientSampleId :
B-5-4



Tgt Ion:264 Resp: 469370
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 22.8 17.6 26.4

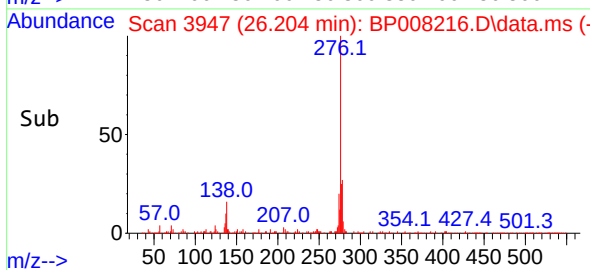
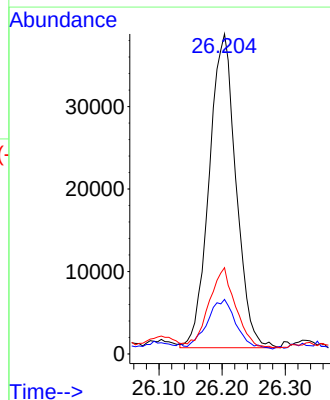
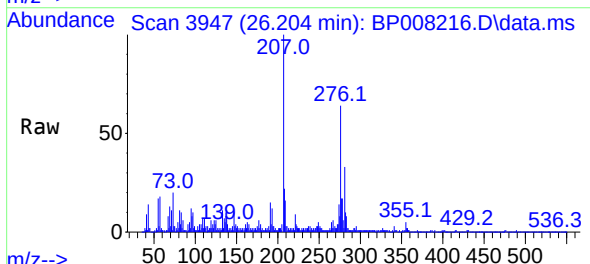
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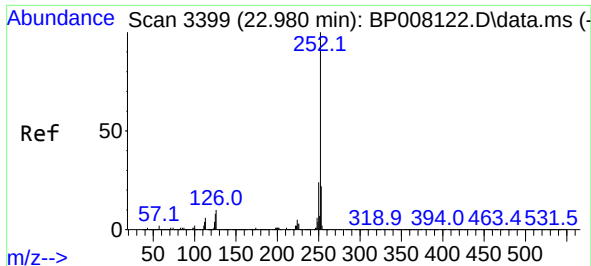
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.284 ng
RT: 26.204 min Scan# 3947
Delta R.T. -0.023 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

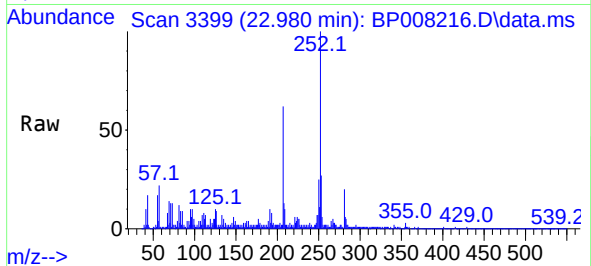
Tgt Ion:276 Resp: 112133
Ion Ratio Lower Upper
276 100
138 17.1 16.6 25.0
277 25.1 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 7.938 ng
RT: 22.980 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

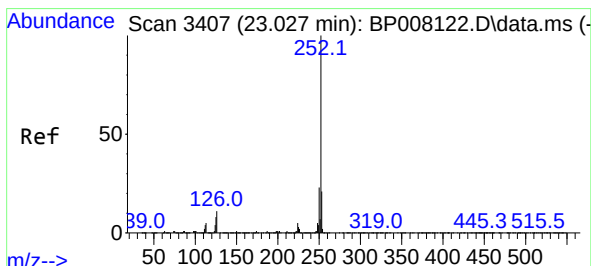
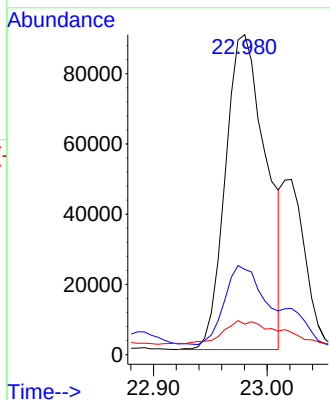
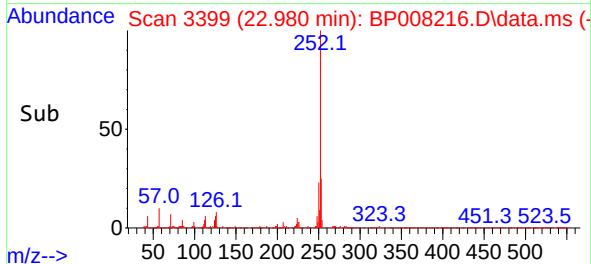
Instrument :
BNA_P
ClientSampleId :
B-5-4



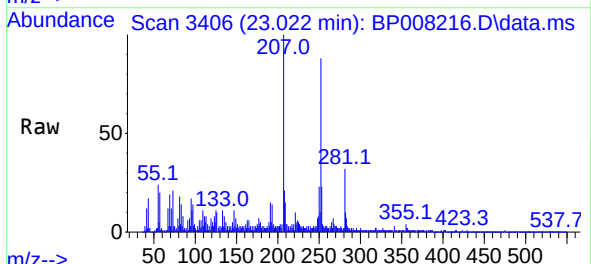
Tgt Ion:252 Resp: 224618
Ion Ratio Lower Upper
252 100
253 26.7 17.7 26.5
125 9.6 6.2 9.4

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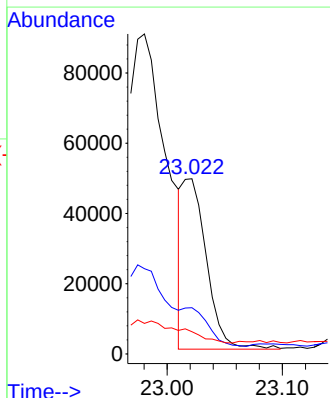
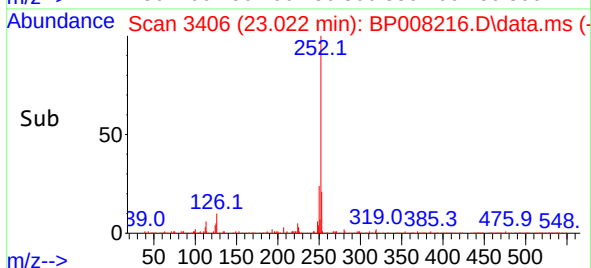
Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021

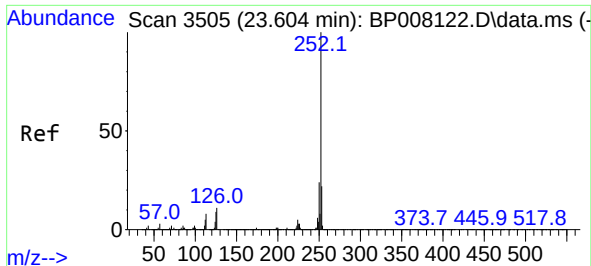


#89
Benzo(k)fluoranthene
Concen: 2.513 ng m
RT: 23.022 min Scan# 3406
Delta R.T. -0.012 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24



Tgt Ion:252 Resp: 69612
Ion Ratio Lower Upper
252 100
253 26.4 17.3 25.9#
125 12.7 6.5 9.7#





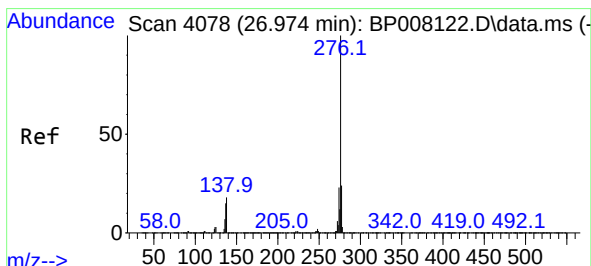
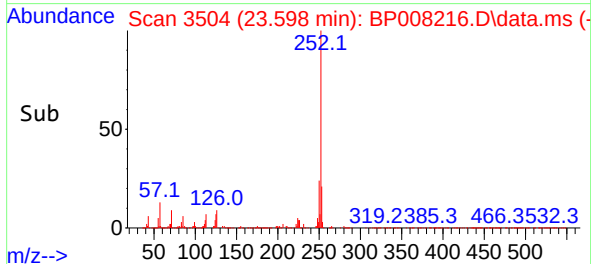
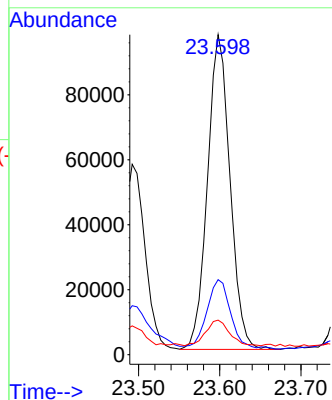
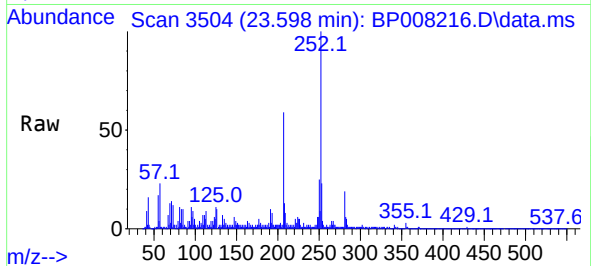
#90
Benzo(a)pyrene
Concen: 7.723 ng
RT: 23.598 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Instrument :
BNA_P
ClientSampleId :
B-5-4

Tgt Ion:252 Resp: 18676
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 10.8 7.4 11.0

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Reviewed By :Jagrut Upadhyay 12/06/2021
Supervised By :Sohil Jodhani 12/06/2021



#92
Benzo(g,h,i)perylene
Concen: 3.971 ng
RT: 26.974 min Scan# 4078
Delta R.T. -0.023 min
Lab File: BP008216.D
Acq: 03 Dec 2021 21:24

Tgt Ion:276 Resp: 113625
Ion Ratio Lower Upper
276 100
277 23.9 20.0 30.0
138 18.8 14.1 21.1

