

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120821\
 Data File : BP008302.D
 Acq On : 09 Dec 2021 04:16
 Operator : CG/JU
 Sample : M4946-01DL 50X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-5DL

Quant Time: Dec 09 05:50:19 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 09 01:43:36 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2021
 Supervised By :mohammad ahmed 12/15/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	65829	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	242636	20.000	ng	0.00
39) Acenaphthene-d10	14.422	164	164284	20.000	ng	0.00
64) Phenanthrene-d10	17.187	188	376572	20.000	ng	0.00
76) Chrysene-d12	21.292	240	447036	20.000	ng	0.00
86) Perylene-d12	23.680	264	488672	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	7264	1.777	ng	0.00
7) Phenol-d6	6.993	99	7728	1.400	ng	0.03
23) Nitrobenzene-d5	8.952	82	5334	1.000	ng	0.01
42) 2,4,6-Tribromophenol	15.940	330	3803	1.811	ng	0.01
45) 2-Fluorobiphenyl	13.051	172	13516	1.195	ng	0.00
79) Terphenyl-d14	19.763	244	30552	1.428	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.228	178	331781	16.687	ng	100
72) Anthracene	17.322	178	70675	3.582	ng	98
75) Fluoranthene	19.210	202	721013	26.920	ng	99
78) Pyrene	19.563	202	592916	19.597	ng	100
81) Benzo(a)anthracene	21.280	228	372533	12.574	ng	100
83) Chrysene	21.333	228	313641	11.125	ng	98
87) Indeno(1,2,3-cd)pyrene	26.168	276	177861	5.003	ng	96
88) Benzo(b)fluoranthene	22.957	252	385508	13.086	ng	99
89) Benzo(k)fluoranthene	22.998	252	146825m	5.091	ng	
90) Benzo(a)pyrene	23.574	252	268255	10.654	ng	98
92) Benzo(g,h,i)perylene	26.927	276	156517	5.255	ng	98

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

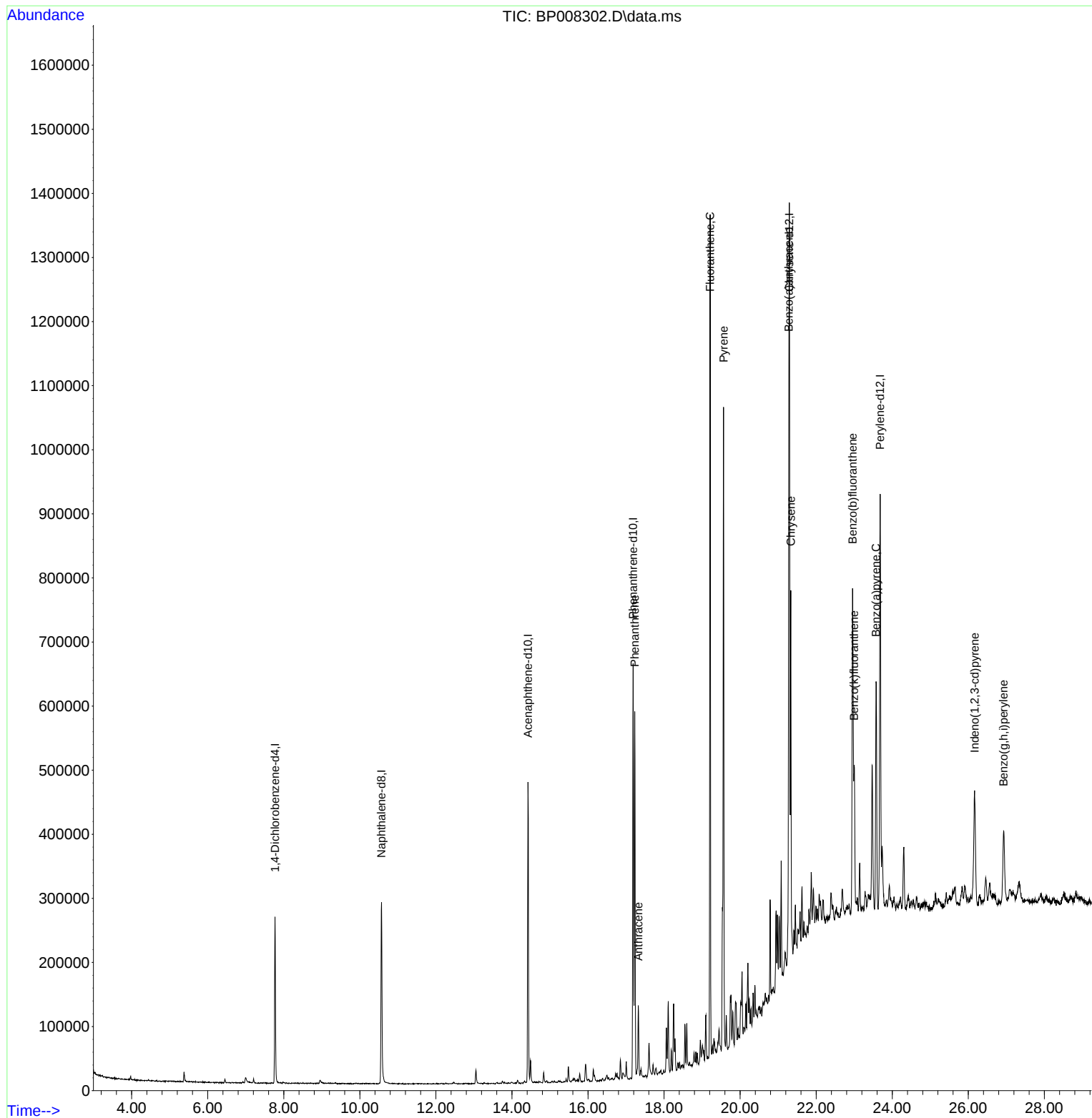
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120821\
Data File : BP008302.D
Acq On : 09 Dec 2021 04:16
Operator : CG/JU
Sample : M4946-01DL 50X
Misc :
ALS Vial : 21 Sample Multiplier: 1

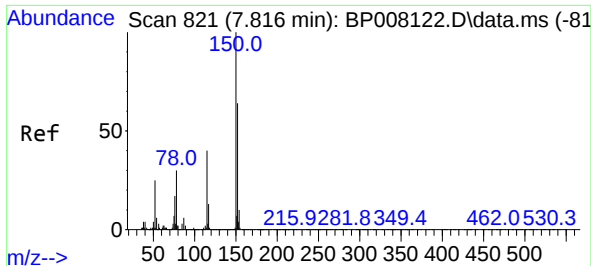
Instrument :
BNA_P
ClientSampleId :
COMP-5DL

Quant Time: Dec 09 05:50:19 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 09 01:43:36 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

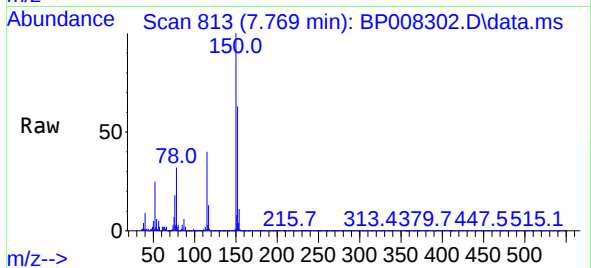
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

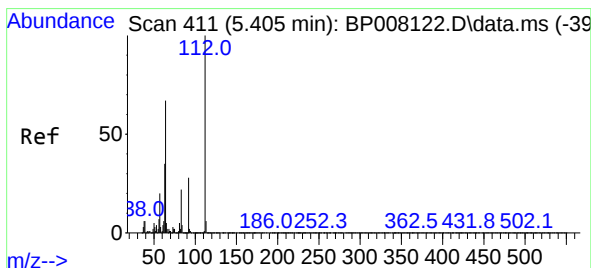
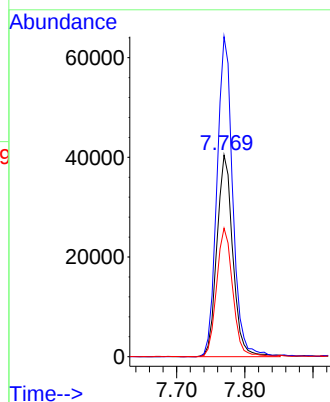
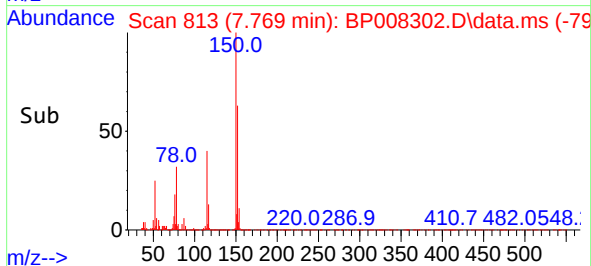
Instrument :
BNA_P
ClientSampleId :
COMP-5DL



Tgt Ion:152 Resp: 65829
Ion Ratio Lower Upper
152 100
150 158.7 125.7 188.5
115 63.7 50.7 76.1

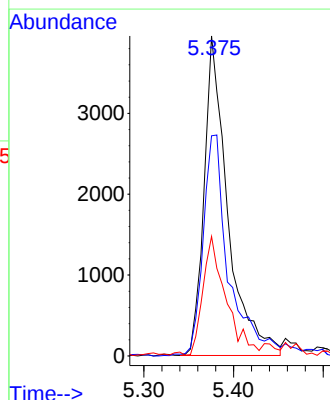
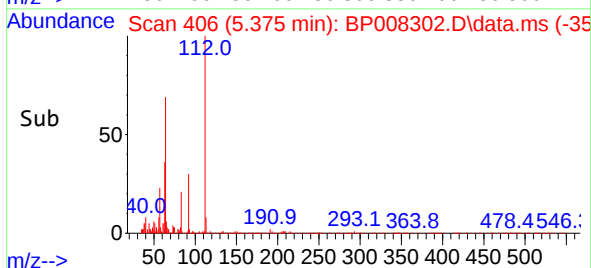
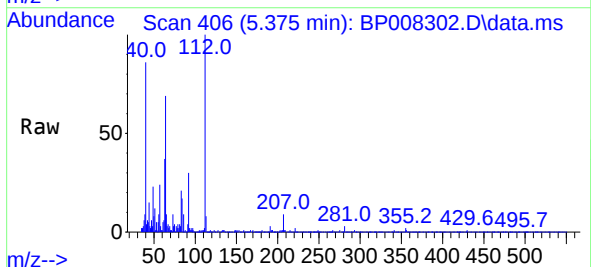
Manual Integrations
APPROVED

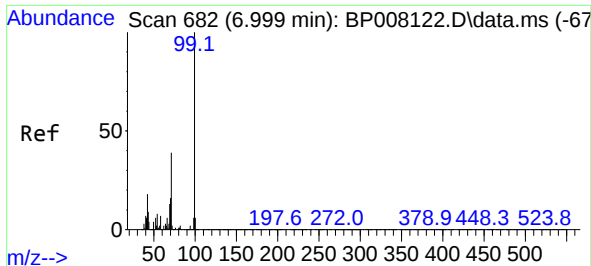
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#5
2-Fluorophenol
Concen: 1.777 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.006 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

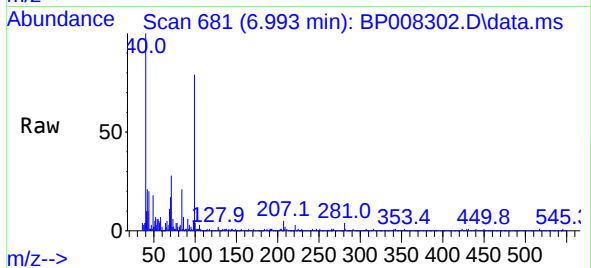
Tgt Ion:112 Resp: 7264
Ion Ratio Lower Upper
112 100
64 68.8 53.4 80.2
63 37.4 27.8 41.8





#7
Phenol-d6
Concen: 1.400 ng
RT: 6.993 min Scan# 60
Delta R.T. 0.030 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

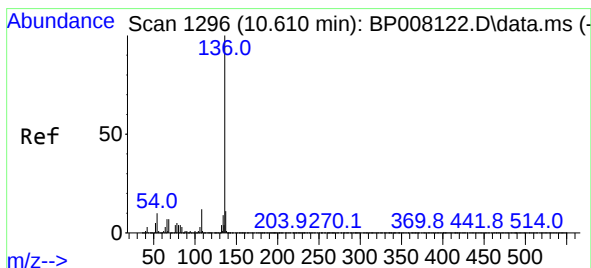
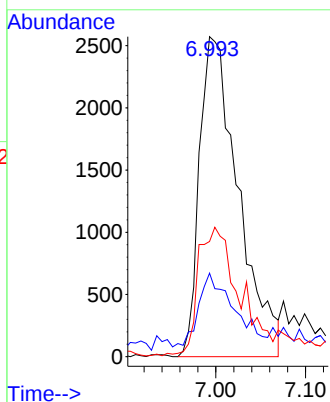
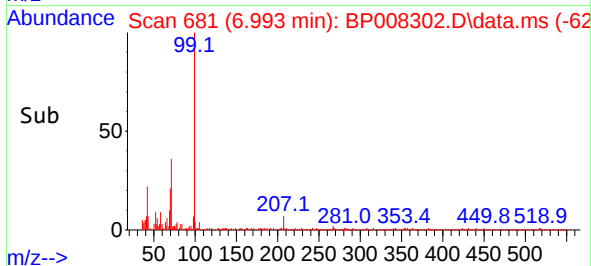
Instrument :
BNA_P
ClientSampleId :
COMP-5DL



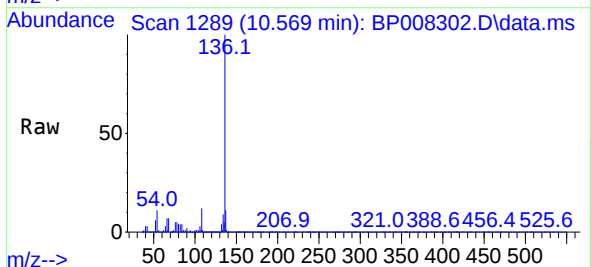
Tgt Ion: 99 Resp: 7728
Ion Ratio Lower Upper
99 100
42 26.1 14.6 22.0
71 36.0 31.1 46.7

Manual Integrations
APPROVED

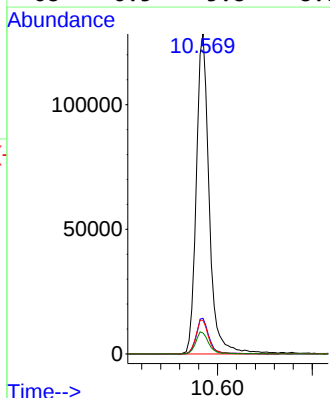
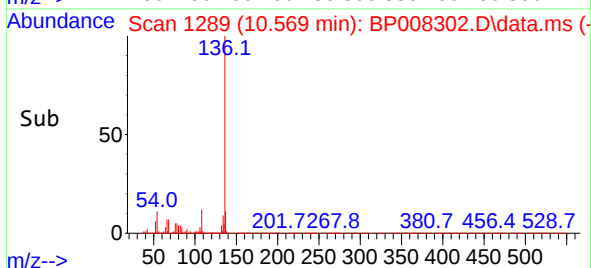
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

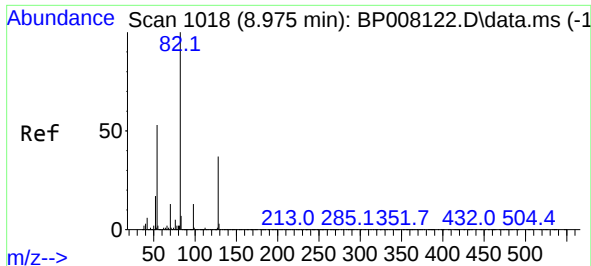


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16



Tgt Ion:136 Resp: 242636
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 10.5 8.2 12.4
68 6.5 5.8 8.8





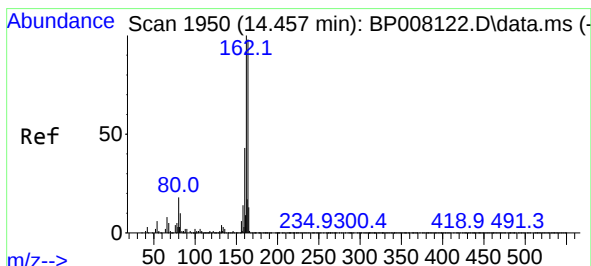
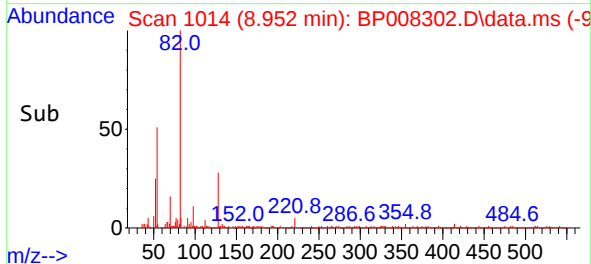
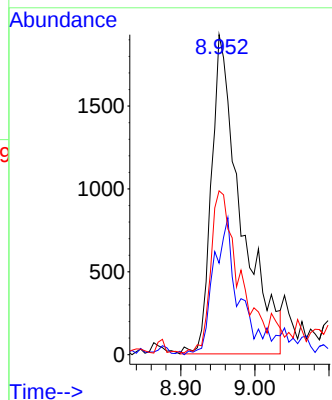
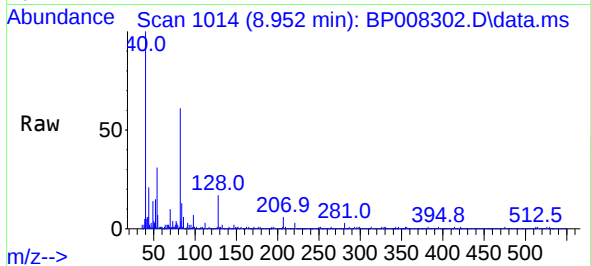
#23
Nitrobenzene-d5
Concen: 1.000 ng
RT: 8.952 min Scan# 1014
Delta R.T. 0.012 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

Instrument :
BNA_P
ClientSampleId :
COMP-5DL

Tgt Ion: 82 Resp: 5334
Ion Ratio Lower Upper
82 100
128 28.6 29.6 44.4
54 51.2 42.7 64.1

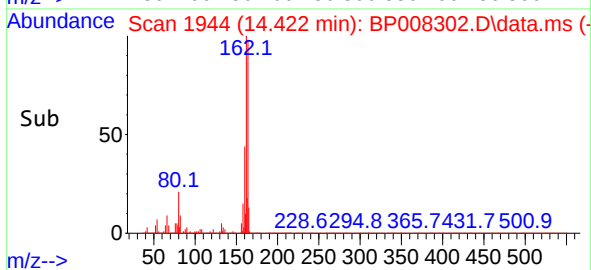
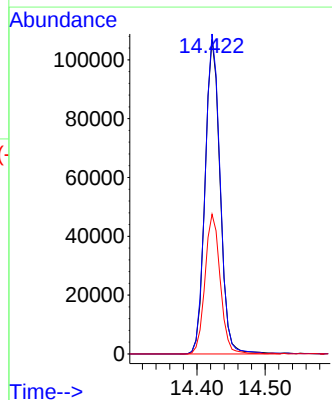
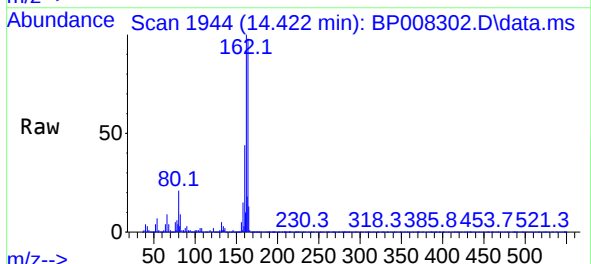
Manual Integrations
APPROVED

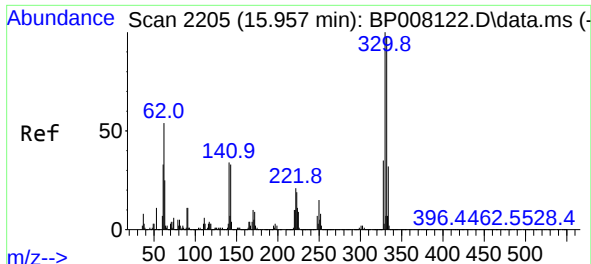
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

Tgt Ion:164 Resp: 164284
Ion Ratio Lower Upper
164 100
162 101.8 81.9 122.9
160 44.4 35.4 53.0





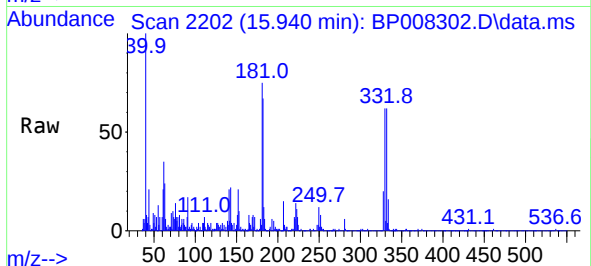
#42
2,4,6-Tribromophenol
Concen: 1.811 ng
RT: 15.940 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

Instrument :

BNA_P

ClientSampleId :

COMP-5DL

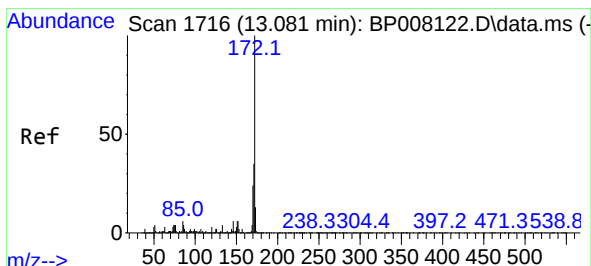
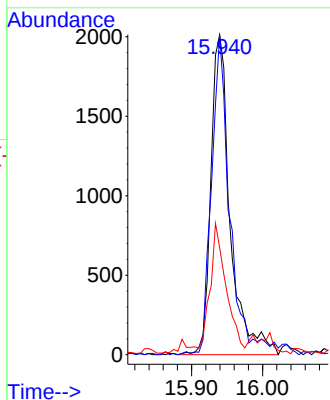
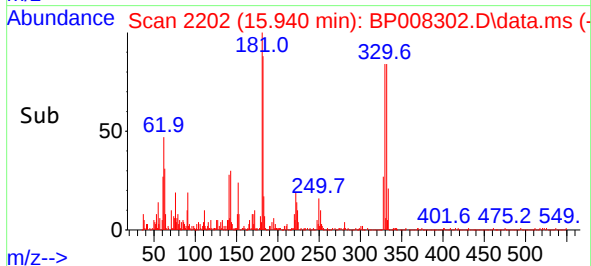


Tgt Ion:330 Resp: 380
Ion Ratio Lower Upper
330 100
332 92.9 77.0 115.4
141 30.7 28.4 42.6

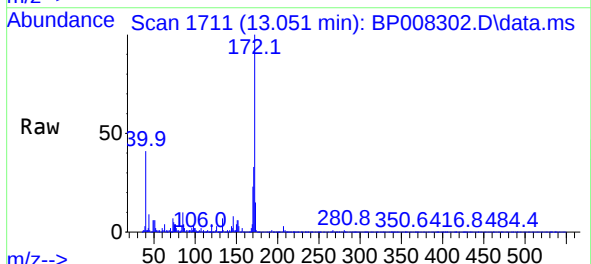
Manual Integrations

APPROVED

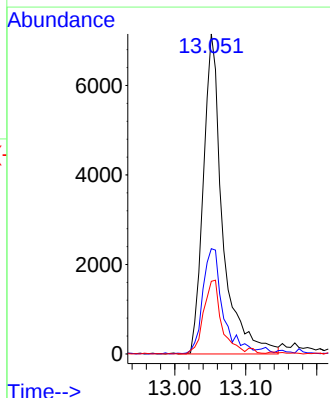
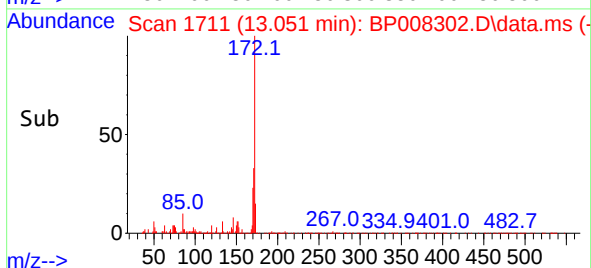
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

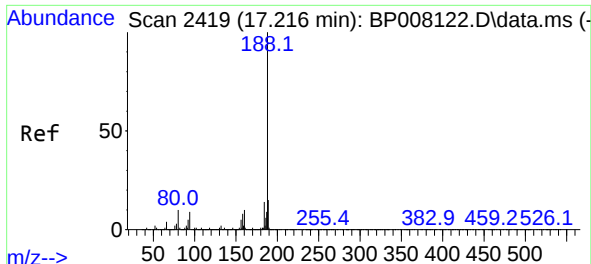


#45
2-Fluorobiphenyl
Concen: 1.195 ng
RT: 13.051 min Scan# 1711
Delta R.T. 0.006 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16



Tgt Ion:172 Resp: 13516
Ion Ratio Lower Upper
172 100
171 32.9 28.0 42.0
170 22.7 18.9 28.3





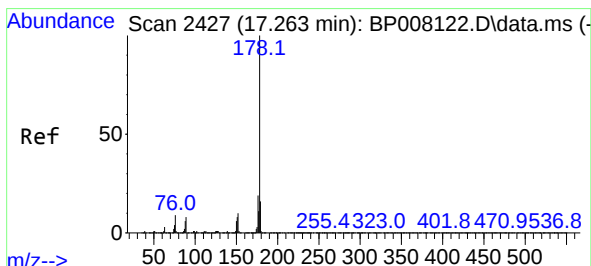
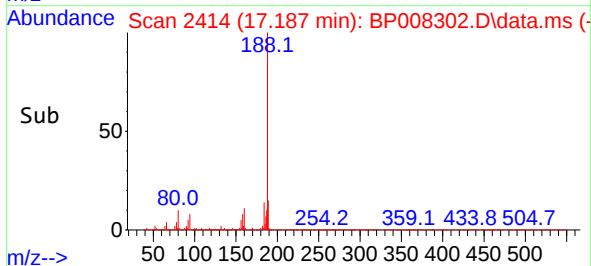
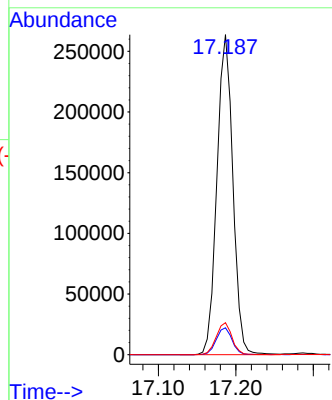
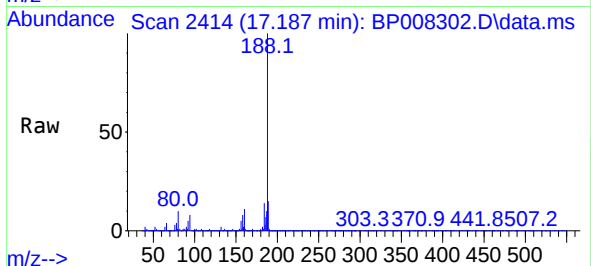
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.187 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

Instrument :
BNA_P
ClientSampleId :
COMP-5DL

Tgt Ion:188 Resp: 376572
Ion Ratio Lower Upper
188 100
94 8.4 7.2 10.8
80 10.0 8.2 12.4

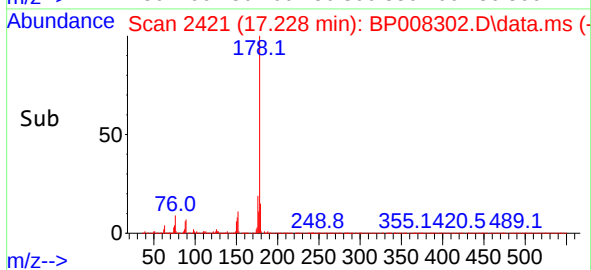
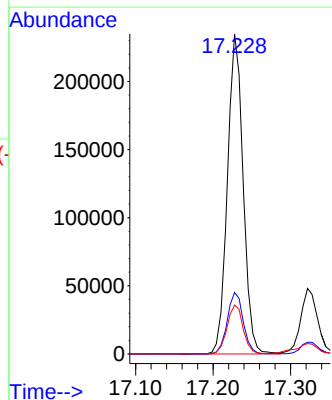
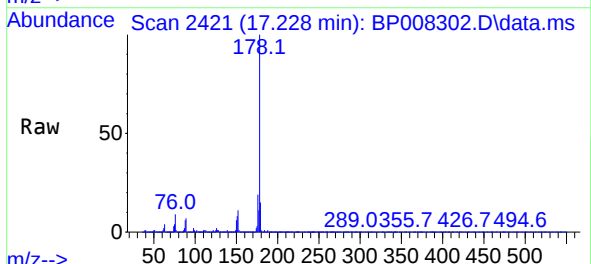
Manual Integrations
APPROVED

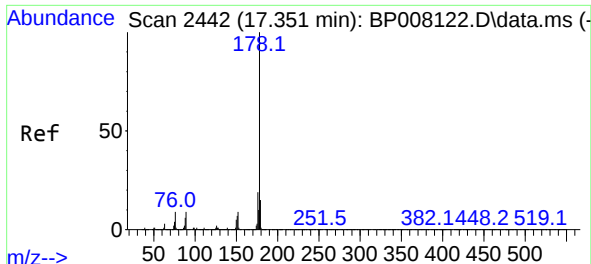
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#71
Phenanthrene
Concen: 16.687 ng
RT: 17.228 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

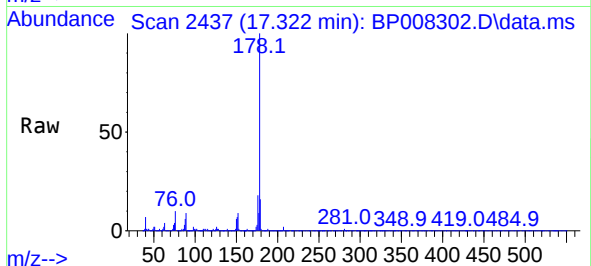
Tgt Ion:178 Resp: 331781
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.3 12.5 18.7





#72
 Anthracene
 Concen: 3.582 ng
 RT: 17.322 min Scan# 2442
 Delta R.T. -0.006 min
 Lab File: BP008302.D
 Acq: 09 Dec 2021 04:16

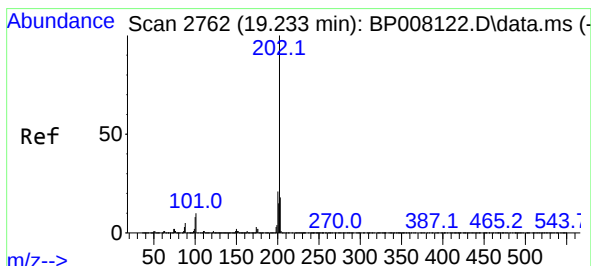
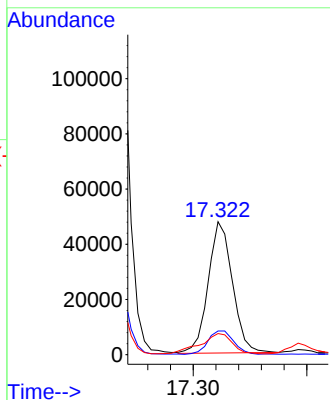
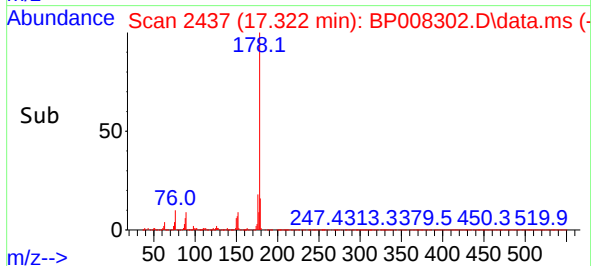
Instrument :
 BNA_P
 ClientSampleId :
 COMP-5DL



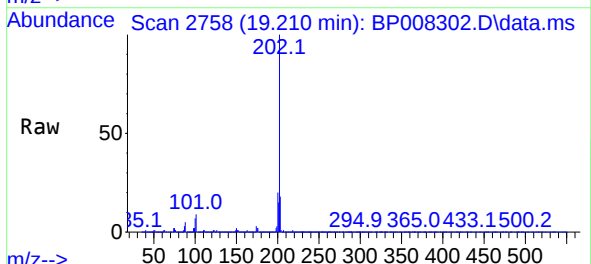
Tgt Ion:178 Resp: 70675
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.1 22.7
 179 15.8 12.3 18.5

Manual Integrations
 APPROVED

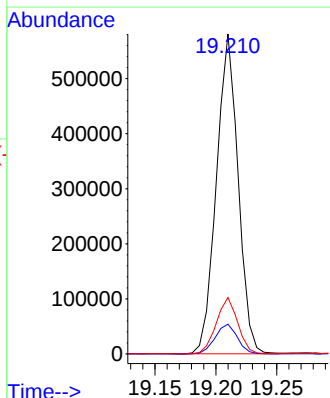
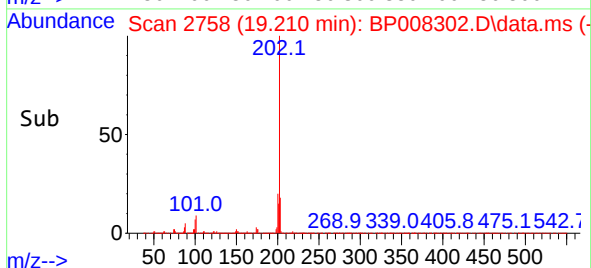
Reviewed By :Jagrut Upadhyay 12/09/2021
 Supervised By :mohammad ahmed 12/15/2021

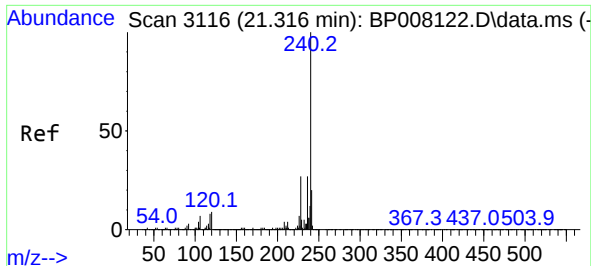


#75
 Fluoranthene
 Concen: 26.920 ng
 RT: 19.210 min Scan# 2758
 Delta R.T. -0.006 min
 Lab File: BP008302.D
 Acq: 09 Dec 2021 04:16



Tgt Ion:202 Resp: 721013
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 29.8
 203 17.6 0.0 37.7





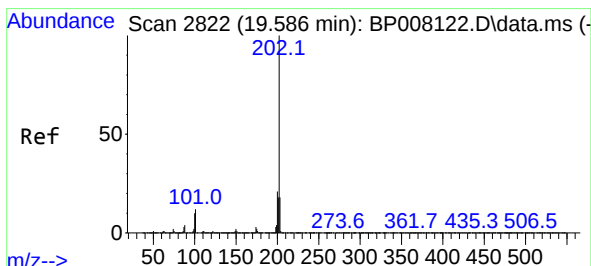
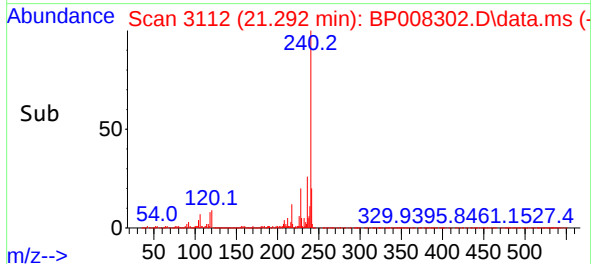
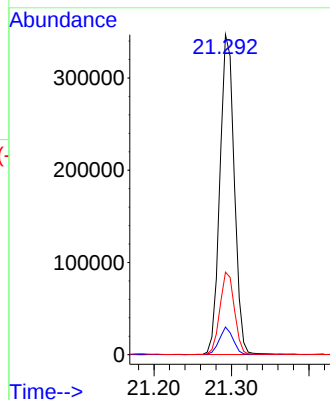
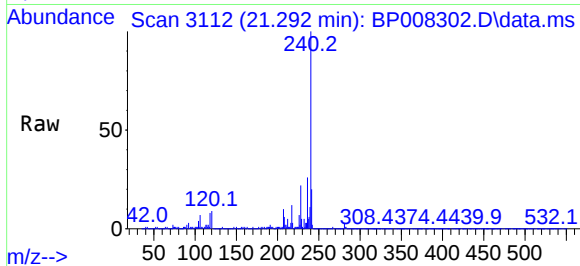
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

Instrument :
BNA_P
ClientSampleId :
COMP-5DL

Tgt Ion:240 Resp: 447030
Ion Ratio Lower Upper
240 100
120 8.6 7.3 10.9
236 25.8 21.4 32.2

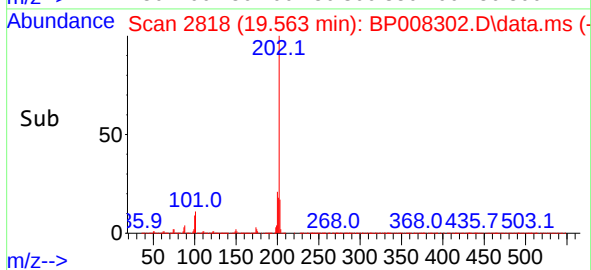
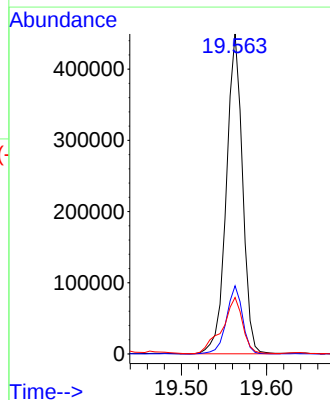
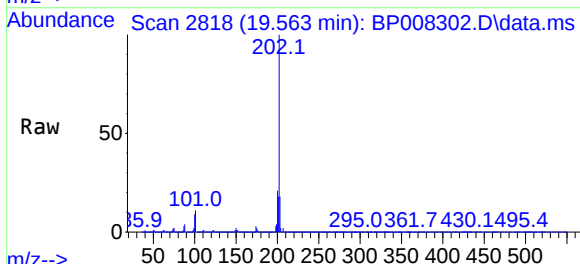
Manual Integrations
APPROVED

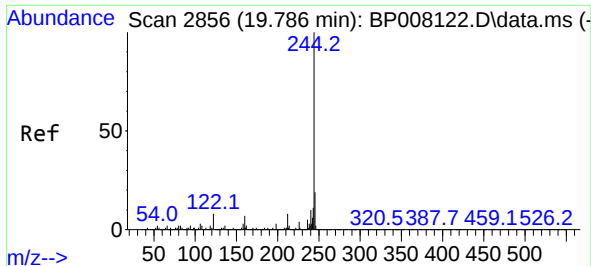
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#78
Pyrene
Concen: 19.597 ng
RT: 19.563 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

Tgt Ion:202 Resp: 592916
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.7 14.2 21.2





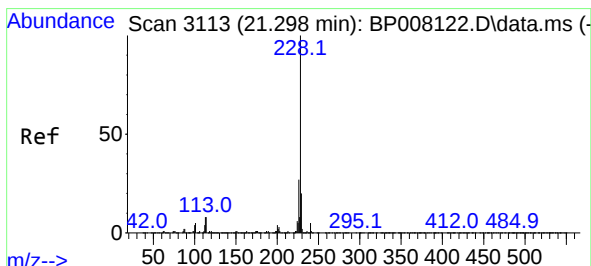
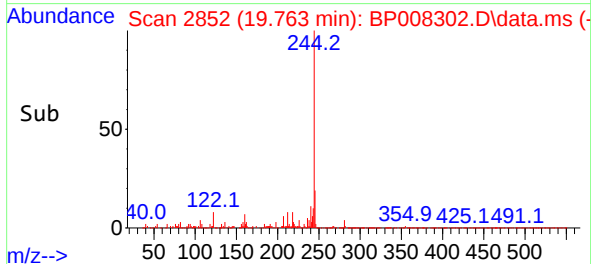
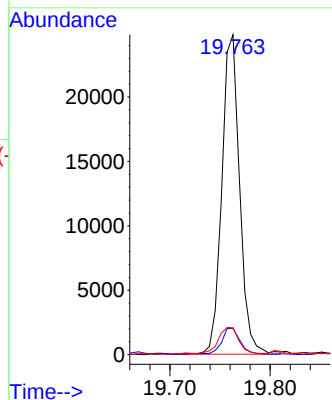
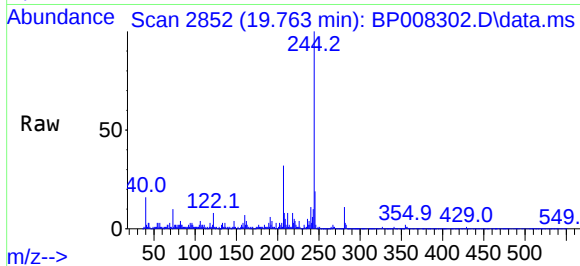
#79
Terphenyl-d14
Concen: 1.428 ng
RT: 19.763 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

Instrument :
BNA_P
ClientSampleId :
COMP-5DL

Tgt Ion:244 Resp: 30552
Ion Ratio Lower Upper
244 100
212 8.3 6.0 9.0
122 8.4 6.6 9.8

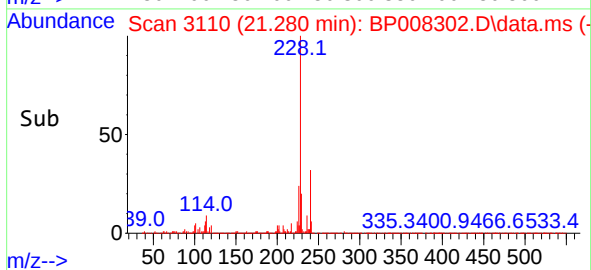
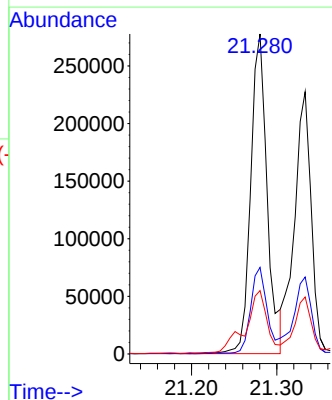
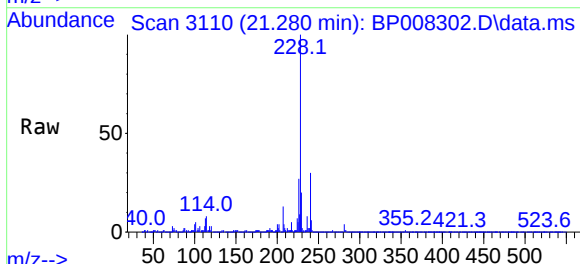
Manual Integrations
APPROVED

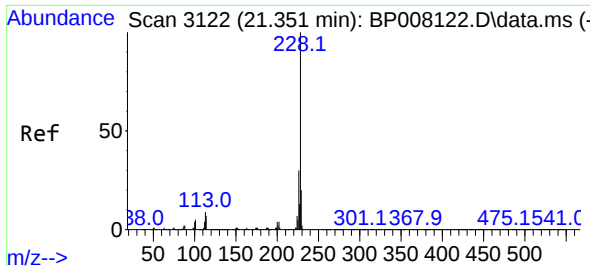
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#81
Benzo(a)anthracene
Concen: 12.574 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

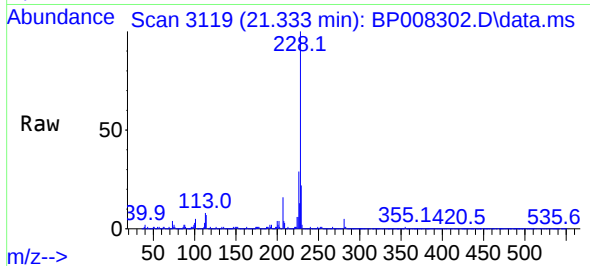
Tgt Ion:228 Resp: 372533
Ion Ratio Lower Upper
228 100
226 27.1 21.9 32.9
229 19.8 15.9 23.9





#83
Chrysene
Concen: 11.125 ng
RT: 21.333 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

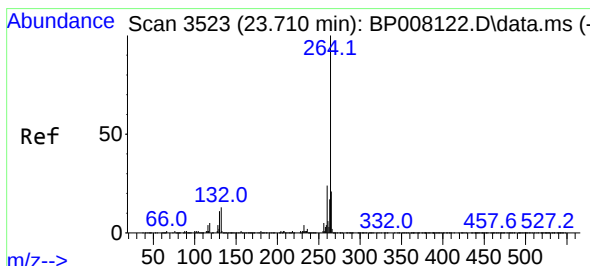
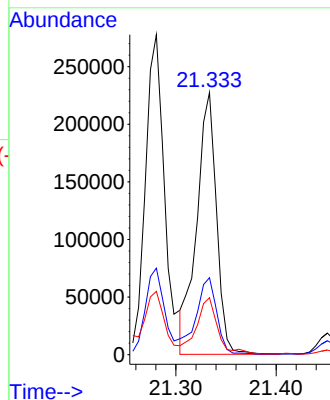
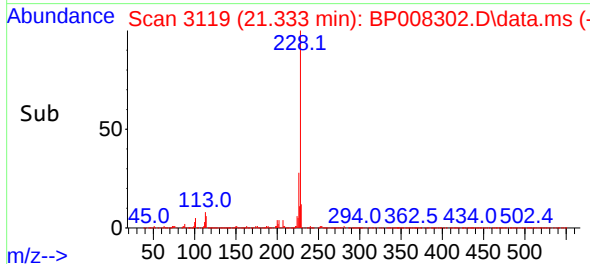
Instrument :
BNA_P
ClientSampleId :
COMP-5DL



Tgt Ion:228 Resp: 31364
Ion Ratio Lower Upper
228 100
226 29.4 24.0 36.0
229 21.7 15.8 23.8

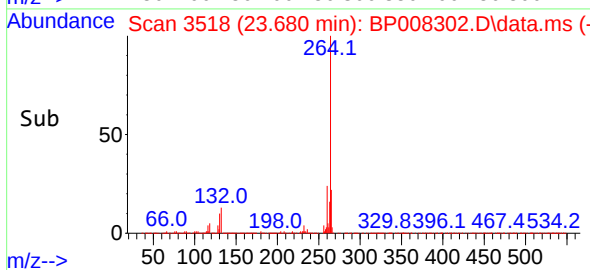
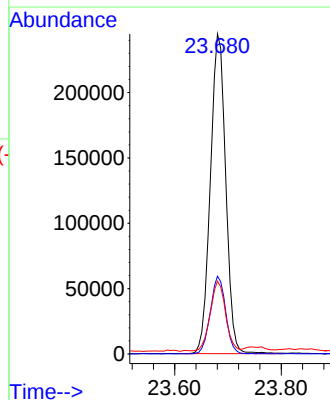
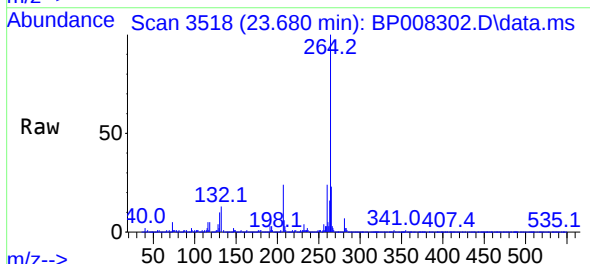
Manual Integrations
APPROVED

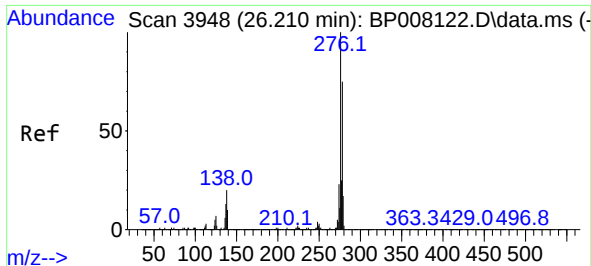
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.680 min Scan# 3518
Delta R.T. -0.006 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

Tgt Ion:264 Resp: 488672
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.2
265 22.7 17.6 26.4





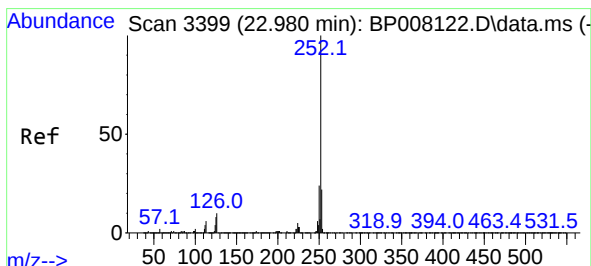
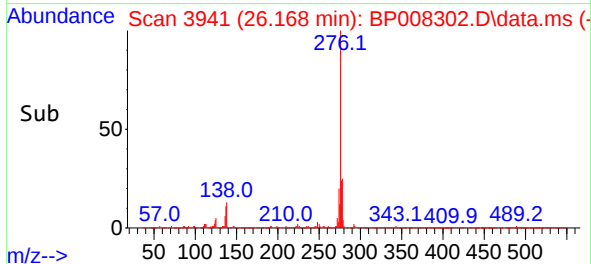
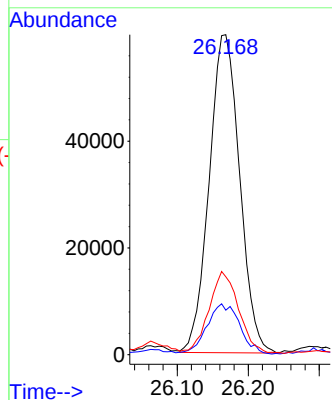
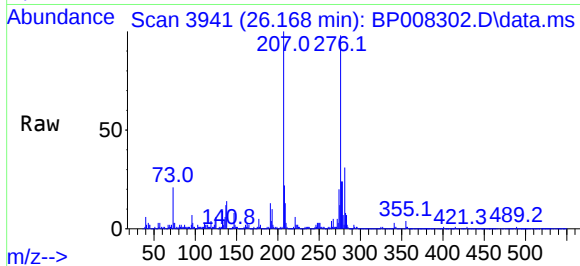
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.003 ng
RT: 26.168 min Scan# 3941
Delta R.T. -0.018 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

Instrument :
BNA_P
ClientSampleId :
COMP-5DL

Tgt Ion:276 Resp: 17786
Ion Ratio Lower Upper
276 100
138 17.1 16.6 25.0
277 25.2 20.2 30.2

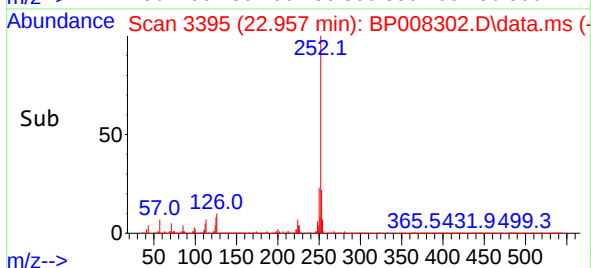
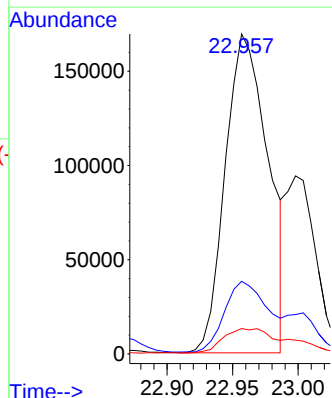
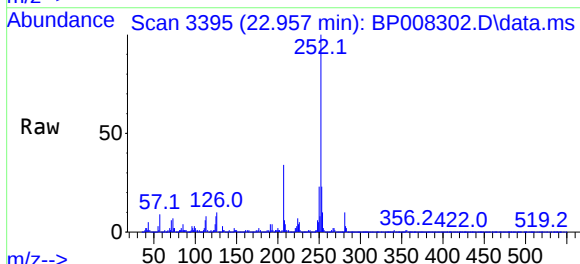
Manual Integrations
APPROVED

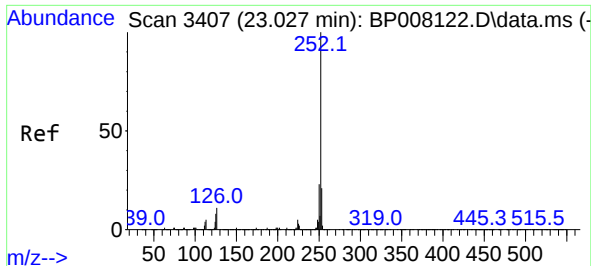
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#88
Benzo(b)fluoranthene
Concen: 13.086 ng
RT: 22.957 min Scan# 3395
Delta R.T. -0.006 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

Tgt Ion:252 Resp: 385508
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 8.0 6.2 9.4





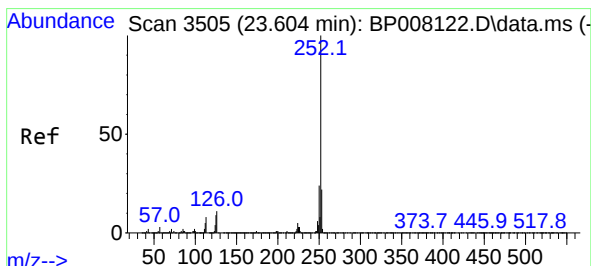
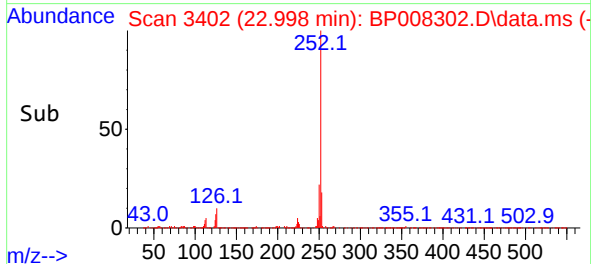
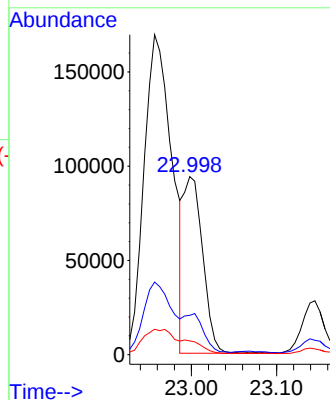
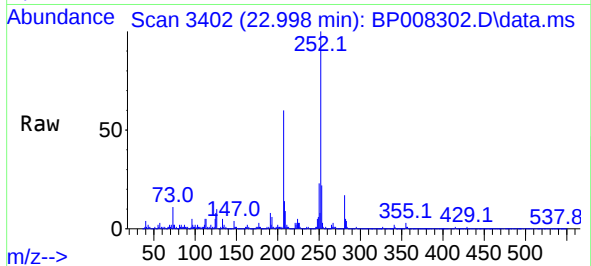
#89
Benzo(k)fluoranthene
Concen: 5.091 ng m
RT: 22.998 min Scan# 34
Delta R.T. -0.012 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

Instrument :
BNA_P
ClientSampleId :
COMP-5DL

Tgt Ion:252 Resp: 146825
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 7.7 6.5 9.7

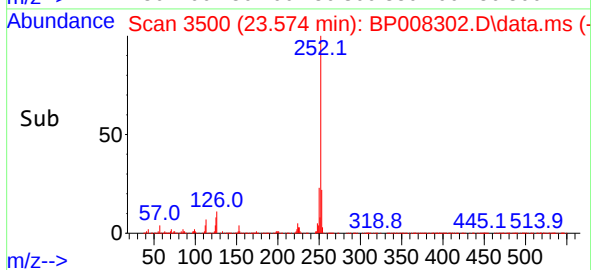
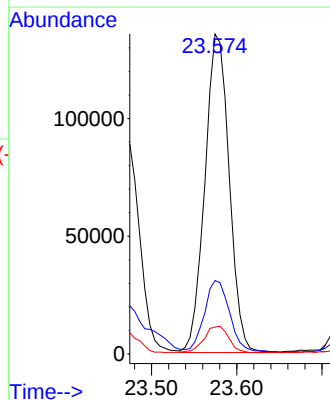
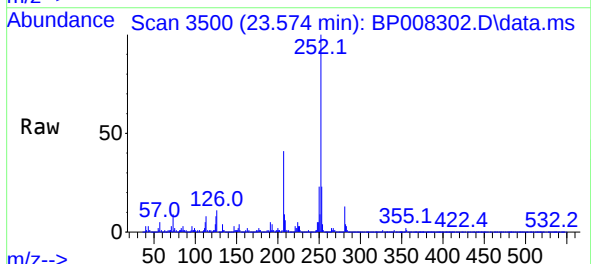
Manual Integrations
APPROVED

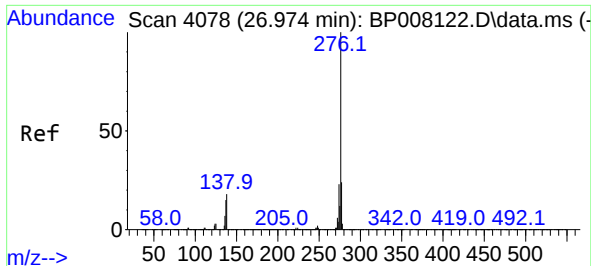
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#90
Benzo(a)pyrene
Concen: 10.654 ng
RT: 23.574 min Scan# 3500
Delta R.T. -0.012 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

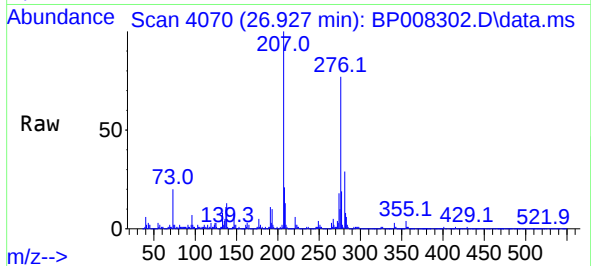
Tgt Ion:252 Resp: 268255
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 8.4 7.4 11.0





#92
Benzo(g,h,i)perylene
Concen: 5.255 ng
RT: 26.927 min Scan# 4078
Delta R.T. -0.018 min
Lab File: BP008302.D
Acq: 09 Dec 2021 04:16

Instrument :
BNA_P
ClientSampleId :
COMP-5DL



Tgt Ion: 276 Resp: 15651
Ion Ratio Lower Upper
276 100
277 24.3 20.0 30.0
138 16.5 14.1 21.1

Manual Integrations
APPROVED

Reviewed By : Jagrut Upadhyay 12/09/2021
Supervised By : mohammad ahmed 12/15/2021

