

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012522\
 Data File : BP008920.D
 Acq On : 25 Jan 2022 22:08
 Operator : CG/JU
 Sample : N1234-01DL 25X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-01212022DL

Quant Time: Jan 26 02:00:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 26 01:52:51 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/26/2022
 Supervised By : Jagrut Upadhyay 01/26/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	404695	20.000	ng	0.00
21) Naphthalene-d8	10.640	136	1479148	20.000	ng	0.00
39) Acenaphthene-d10	14.481	164	840128	20.000	ng	0.00
64) Phenanthrene-d10	17.233	188	1536834	20.000	ng	0.00
76) Chrysene-d12	21.333	240	1567048	20.000	ng	0.00
86) Perylene-d12	23.745	264	1748542	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	77533	2.963	ng	0.00
7) Phenol-d6	7.022	99	87668	2.766	ng	0.00
23) Nitrobenzene-d5	9.004	82	54326	2.085	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	31900	2.609	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	151152	2.373	ng	0.00
79) Terphenyl-d14	19.798	244	187135	2.016	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.687	128	536972	6.684	ng	99
37) 2-Methylnaphthalene	12.304	142	420375	7.158	ng	98
38) 1-Methylnaphthalene	12.522	142	330859	6.138	ng	100
49) Acenaphthylene	14.198	152	1070331	13.442	ng	99
52) Acenaphthene	14.539	154	207342	4.390	ng	98
55) Dibenzofuran	14.875	168	680662	8.845	ng	97
58) Fluorene	15.528	166	1265252	20.816	ng	100
71) Phenanthrene	17.281	178	7514303	86.842	ng	99
72) Anthracene	17.369	178	2090530	24.084	ng	100
73) Carbazole	17.645	167	345068	4.623	ng	99
75) Fluoranthene	19.257	202	8054393	83.704	ng	98
78) Pyrene	19.604	202	6830810	62.472	ng	100
81) Benzo(a)anthracene	21.316	228	3902564	37.018	ng	98
83) Chrysene	21.369	228	3415679	33.422	ng	98
87) Indeno(1,2,3-cd)pyrene	26.262	276	2002742	13.900	ng	# 95
88) Benzo(b)fluoranthene	23.015	252	4247550	36.375	ng	99
89) Benzo(k)fluoranthene	23.057	252	1391008m	12.306	ng	
90) Benzo(a)pyrene	23.645	252	3189571	28.299	ng	98
91) Dibenzo(a,h)anthracene	26.274	278	560408	4.574	ng	# 90
92) Benzo(g,h,i)perylene	27.045	276	1852880	15.490	ng	98

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

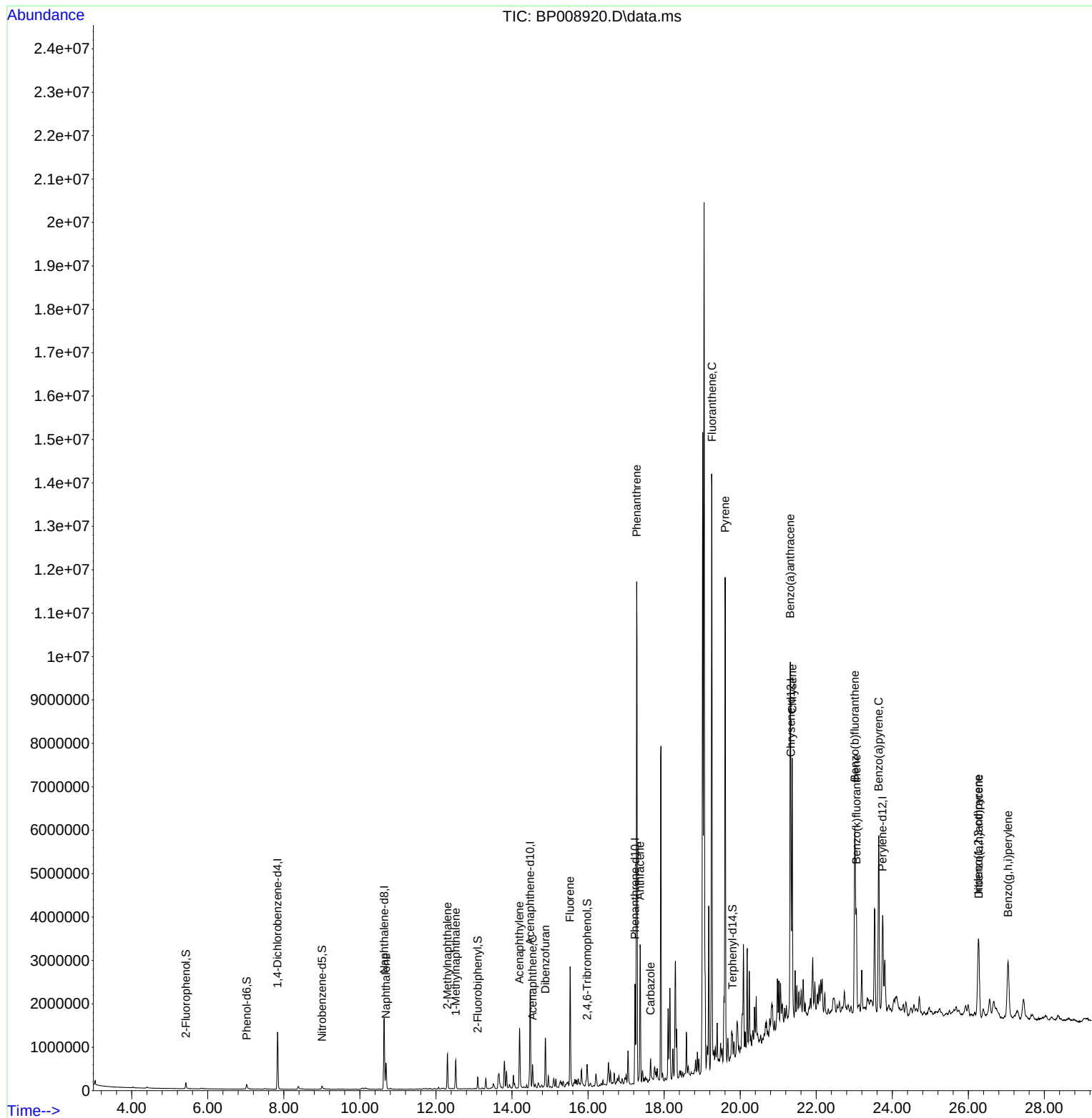
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012522\
Data File : BP008920.D
Acq On : 25 Jan 2022 22:08
Operator : CG/JU
Sample : N1234-01DL 25X
Misc :
ALS Vial : 21 Sample Multiplier: 1

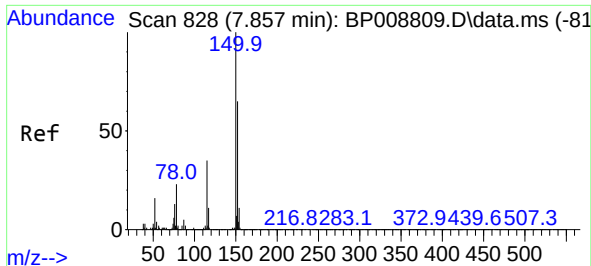
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL

Quant Time: Jan 26 02:00:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 26 01:52:51 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022





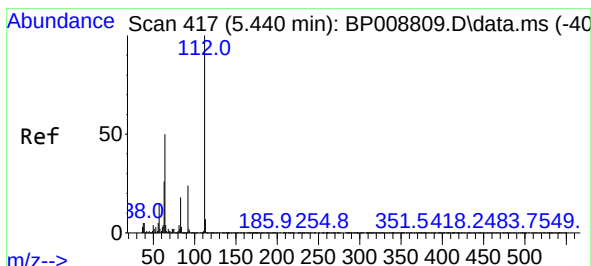
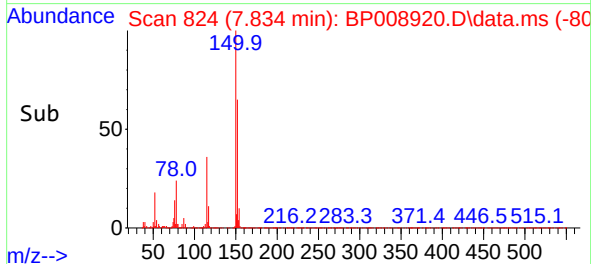
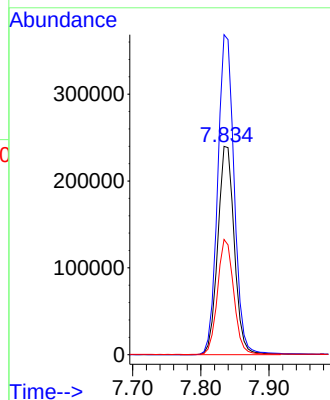
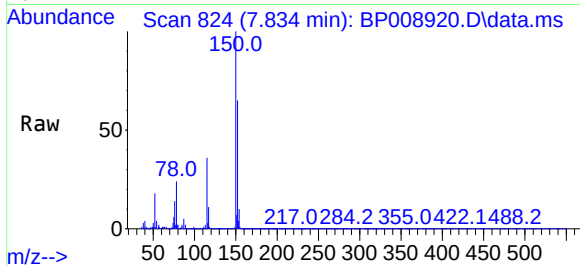
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.834 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL

Tgt Ion:152 Resp: 40469
Ion Ratio Lower Upper
152 100
150 153.6 127.0 190.6
115 55.3 43.7 65.5

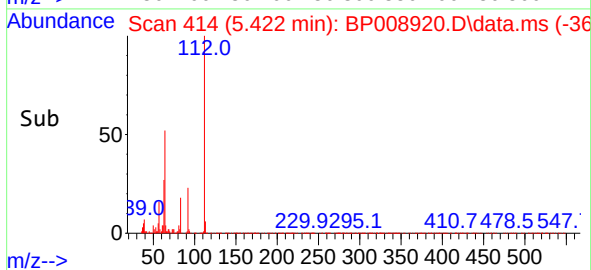
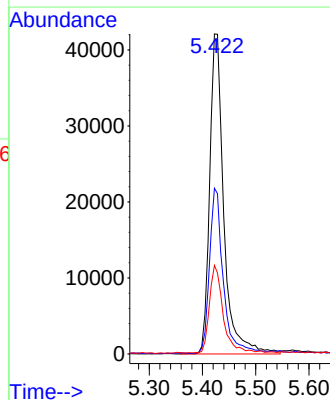
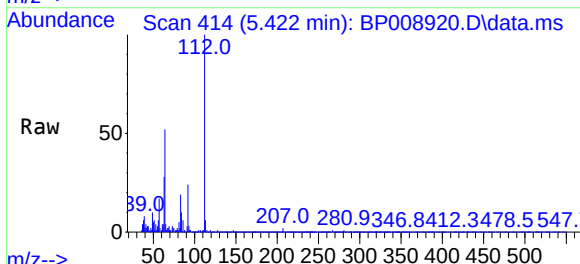
Manual Integrations
APPROVED

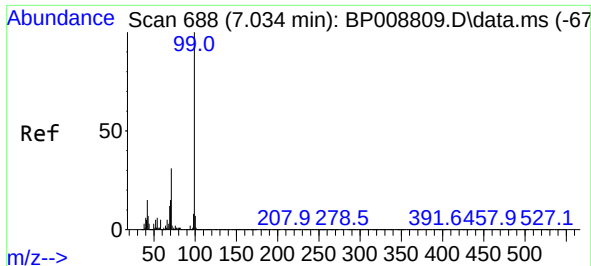
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#5
2-Fluorophenol
Concen: 2.963 ng
RT: 5.422 min Scan# 414
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Tgt Ion:112 Resp: 77533
Ion Ratio Lower Upper
112 100
64 51.8 39.7 59.5
63 27.7 20.0 30.0





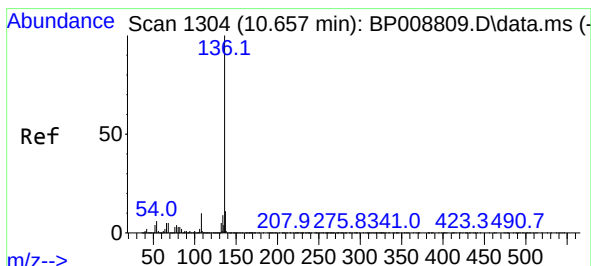
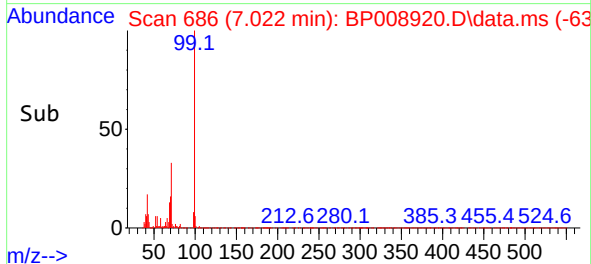
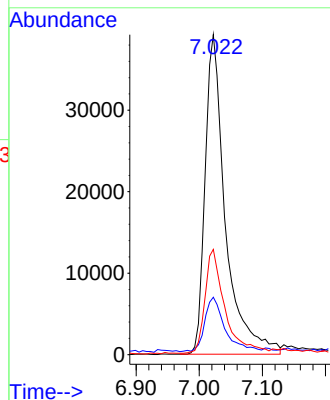
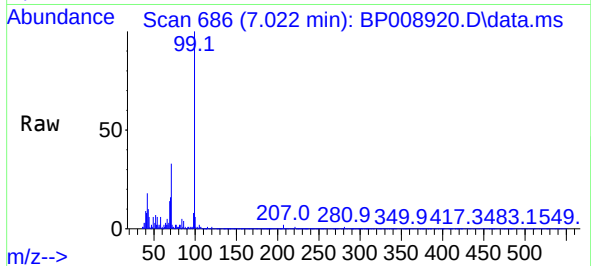
#7
Phenol-d6
Concen: 2.766 ng
RT: 7.022 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL

Tgt Ion: 99 Resp: 8766
Ion Ratio Lower Upper
99 100
42 17.9 10.8 16.2
71 32.9 23.8 35.6

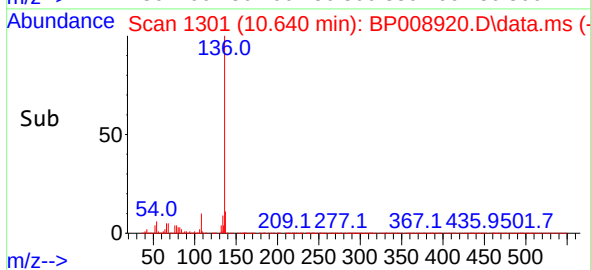
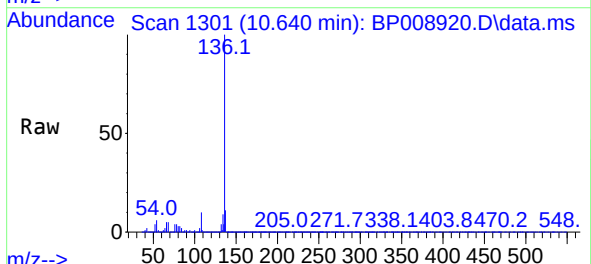
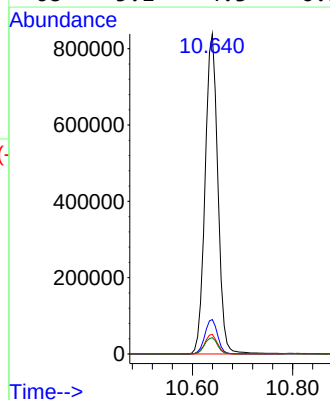
Manual Integrations
APPROVED

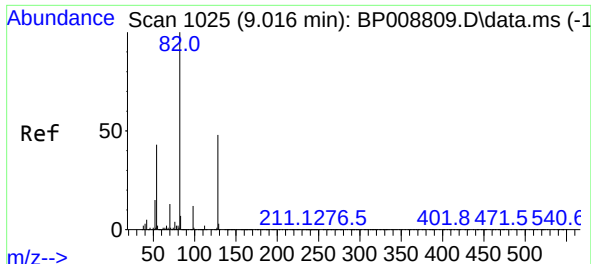
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.640 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Tgt Ion:136 Resp: 1479148
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 6.1 4.9 7.3
68 5.1 4.3 6.5





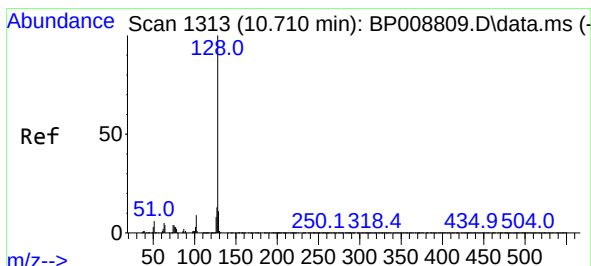
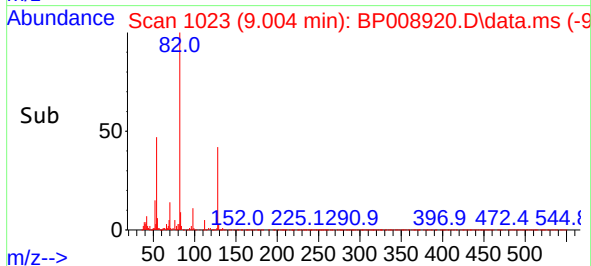
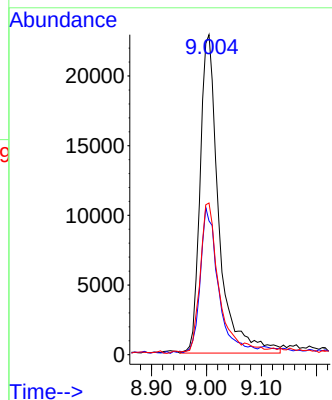
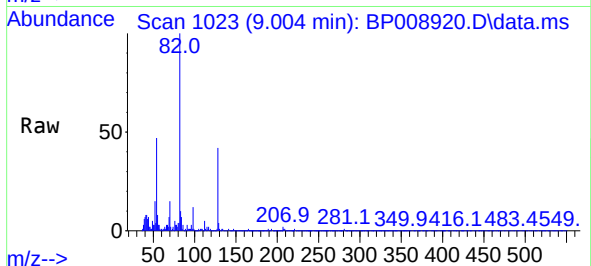
#23
Nitrobenzene-d5
Concen: 2.085 ng
RT: 9.004 min Scan# 1025
Delta R.T. 0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL

Tgt Ion: 82 Resp: 54320
Ion Ratio Lower Upper
82 100
128 41.8 39.4 59.2
54 47.4 32.6 48.8

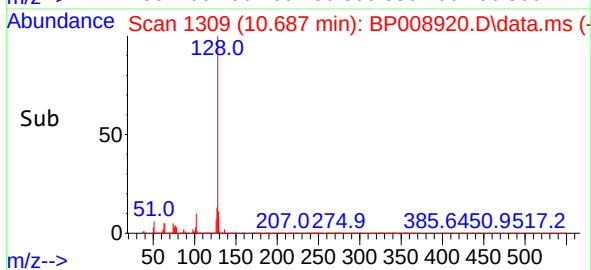
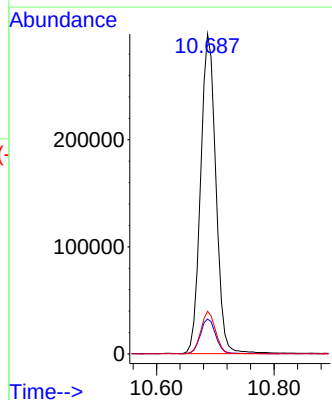
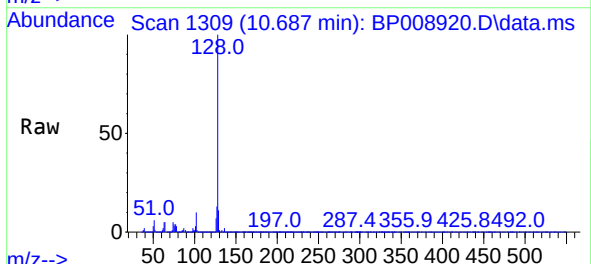
Manual Integrations
APPROVED

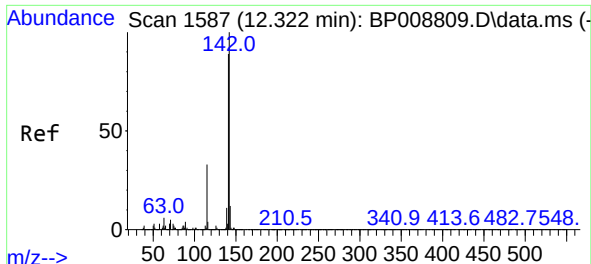
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#31
Naphthalene
Concen: 6.684 ng
RT: 10.687 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

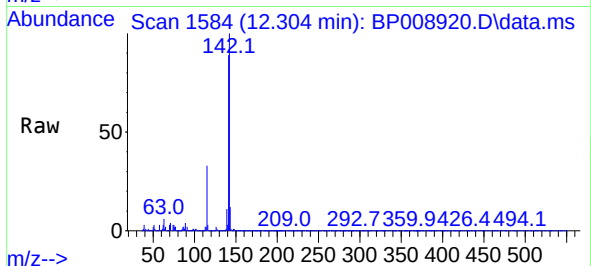
Tgt Ion:128 Resp: 536972
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.3 10.4 15.6





#37
2-Methylnaphthalene
Concen: 7.158 ng
RT: 12.304 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

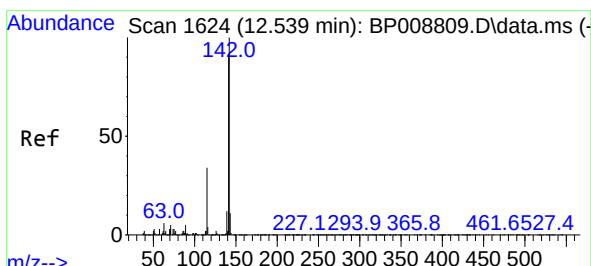
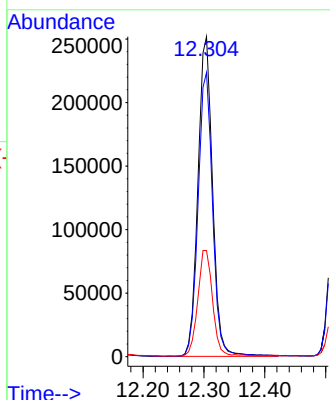
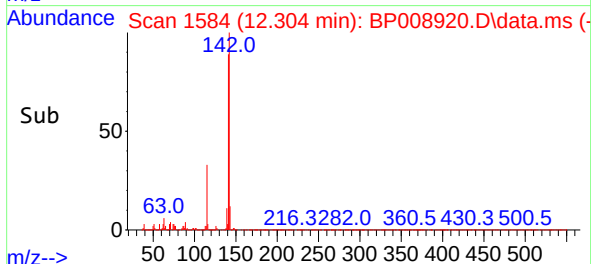
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL



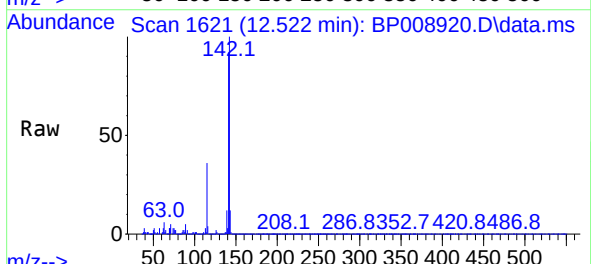
Tgt Ion:142 Resp: 420379
Ion Ratio Lower Upper
142 100
141 88.8 70.5 105.7
115 33.1 24.6 36.8

Manual Integrations
APPROVED

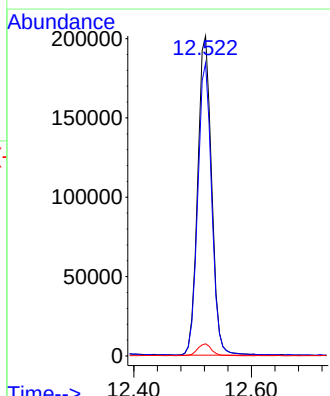
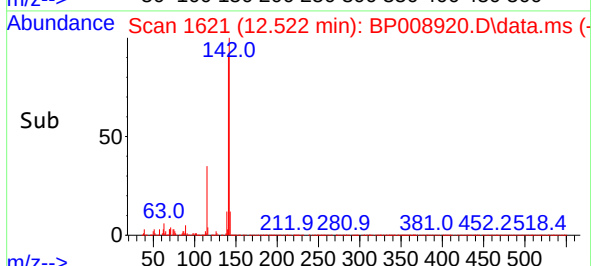
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

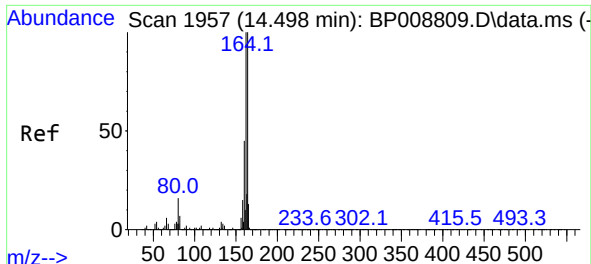


#38
1-Methylnaphthalene
Concen: 6.138 ng
RT: 12.522 min Scan# 1621
Delta R.T. -0.000 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08



Tgt Ion:142 Resp: 330859
Ion Ratio Lower Upper
142 100
141 91.5 73.2 109.8
116 3.8 2.7 4.1





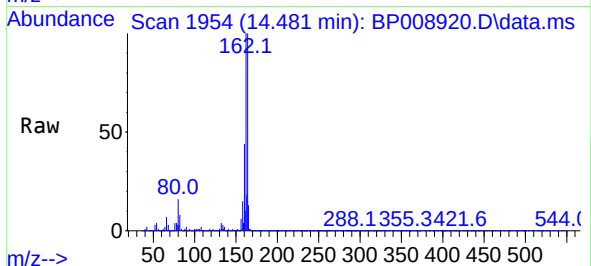
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Instrument :

BNA_P

ClientSampleId :

TR-04-01212022DL

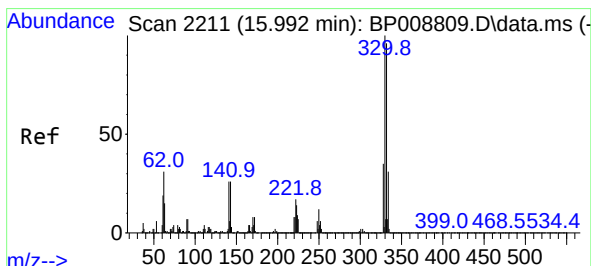
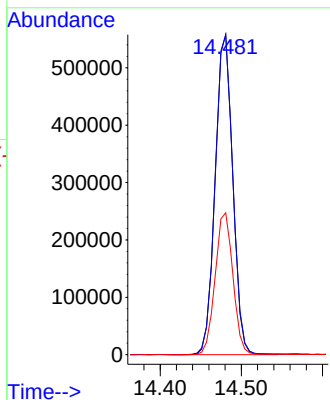
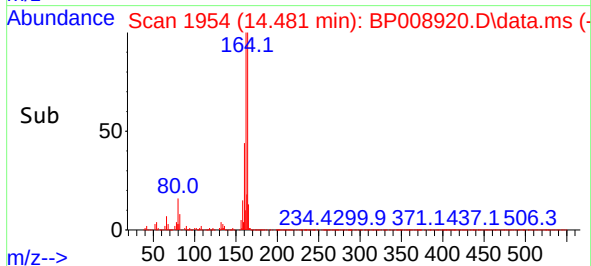


Tgt Ion:164 Resp: 840128
Ion Ratio Lower Upper
164 100
162 100.0 79.9 119.9
160 44.4 35.5 53.3

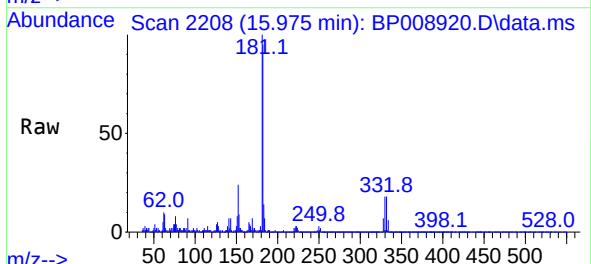
Manual Integrations

APPROVED

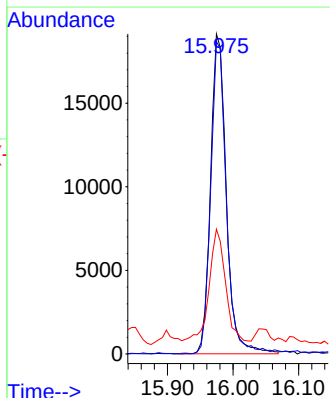
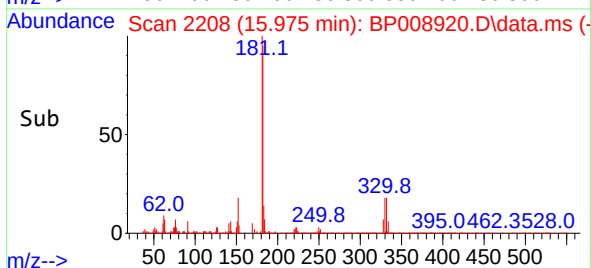
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

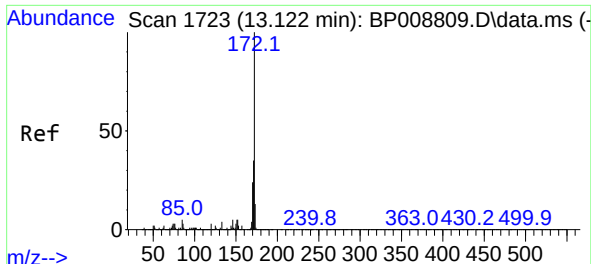


#42
2,4,6-Tribromophenol
Concen: 2.609 ng
RT: 15.975 min Scan# 2208
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08



Tgt Ion:330 Resp: 31900
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 35.6 21.3 31.9





#45
2-Fluorobiphenyl
Concen: 2.373 ng
RT: 13.098 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Instrument :

BNA_P

ClientSampleId :

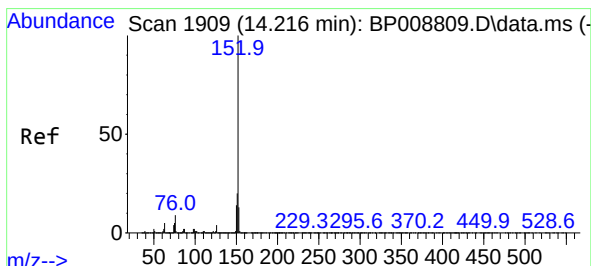
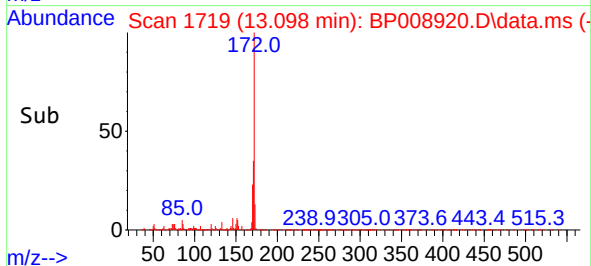
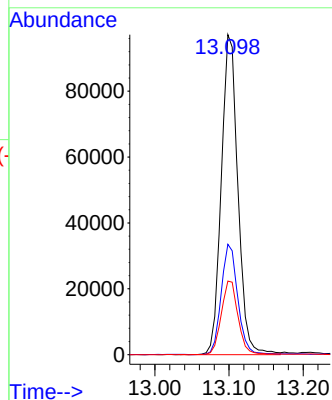
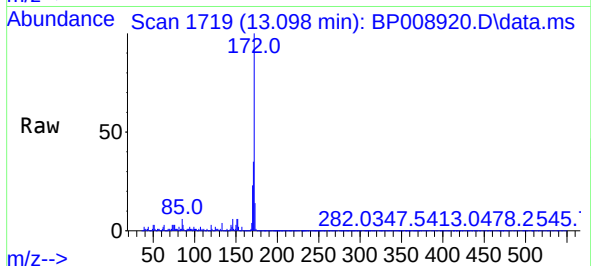
TR-04-01212022DL

Tgt Ion:172 Resp: 151152
Ion Ratio Lower Upper
172 100
171 34.5 29.3 43.9
170 23.0 19.5 29.3

Manual Integrations

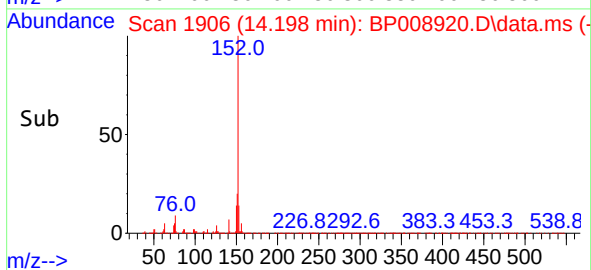
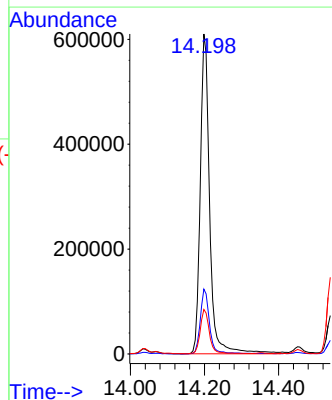
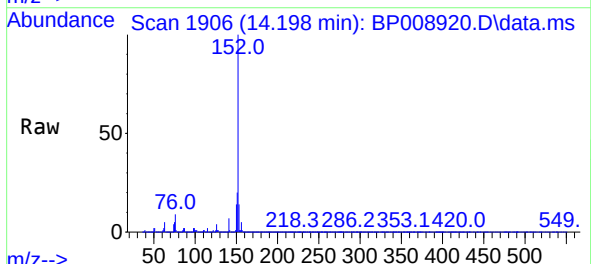
APPROVED

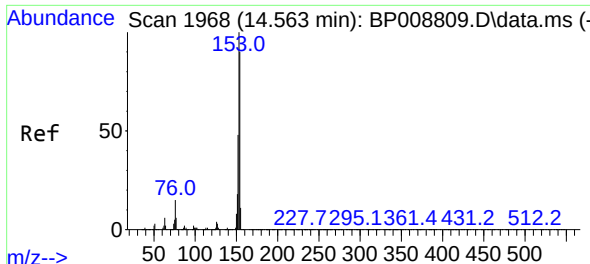
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#49
Acenaphthylene
Concen: 13.442 ng
RT: 14.198 min Scan# 1906
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

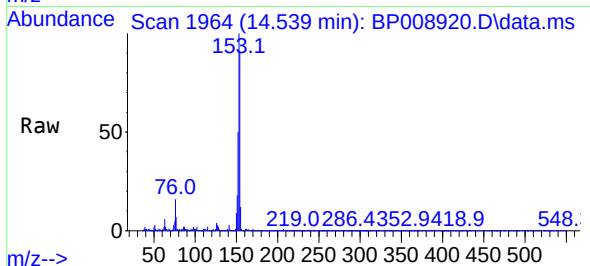
Tgt Ion:152 Resp: 1070331
Ion Ratio Lower Upper
152 100
151 20.2 16.1 24.1
153 13.9 10.6 16.0





#52
Acenaphthene
Concen: 4.390 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

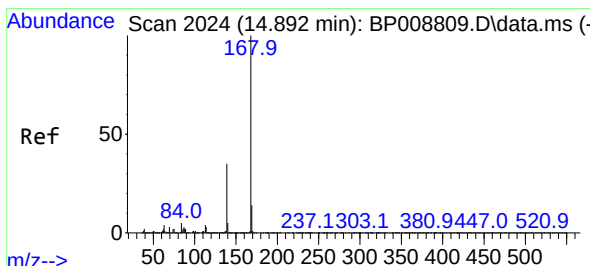
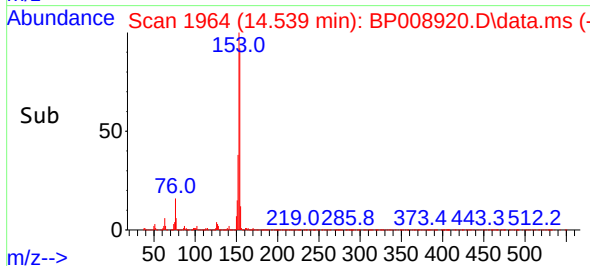
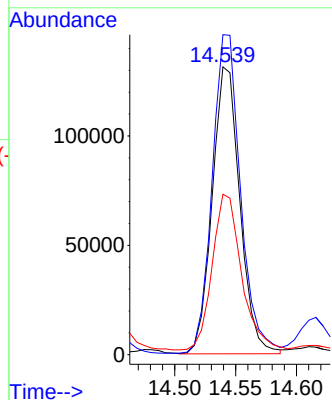
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL



Tgt Ion:154 Resp: 20734
Ion Ratio Lower Upper
154 100
153 111.2 89.4 134.2
152 55.8 42.6 63.8

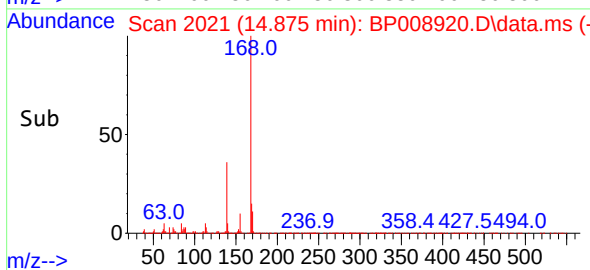
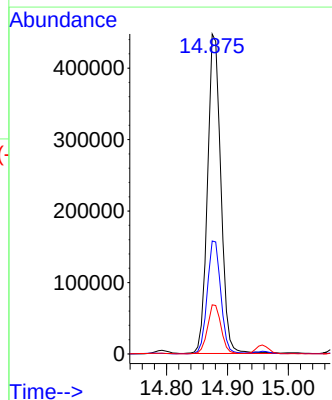
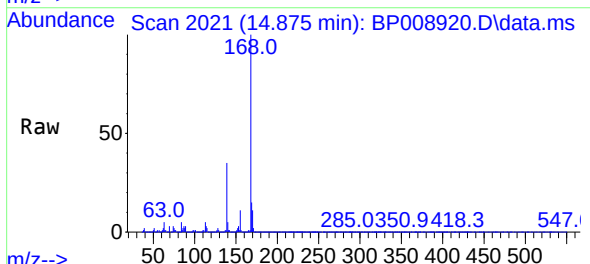
Manual Integrations
APPROVED

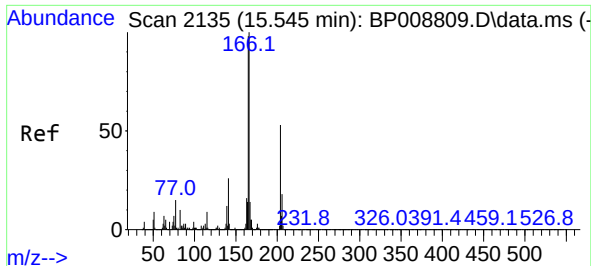
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#55
Dibenzofuran
Concen: 8.845 ng
RT: 14.875 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

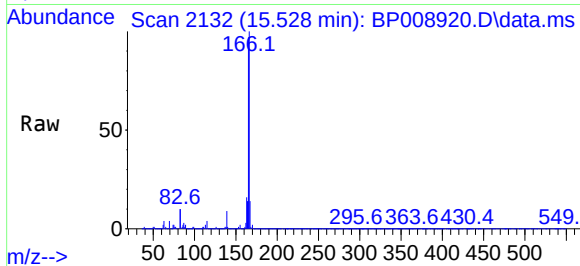
Tgt Ion:168 Resp: 680662
Ion Ratio Lower Upper
168 100
139 35.3 27.4 41.0
169 15.3 10.9 16.3





#58
Fluorene
Concen: 20.816 ng
RT: 15.528 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

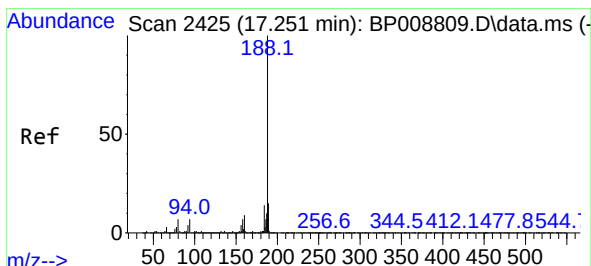
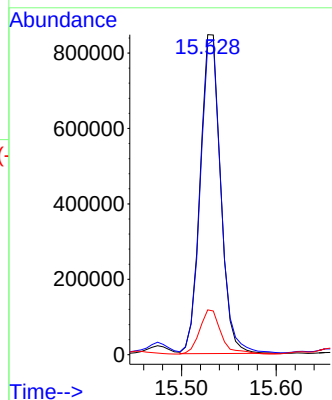
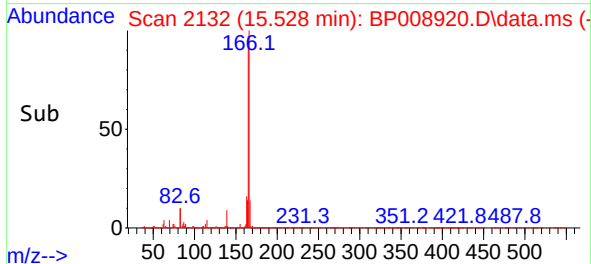
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL



Tgt Ion:166 Resp: 126525
Ion Ratio Lower Upper
166 100
165 97.0 77.2 115.8
167 14.0 11.2 16.8

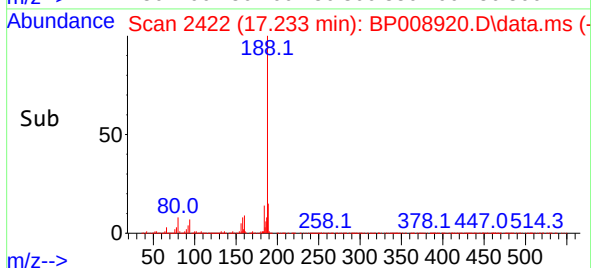
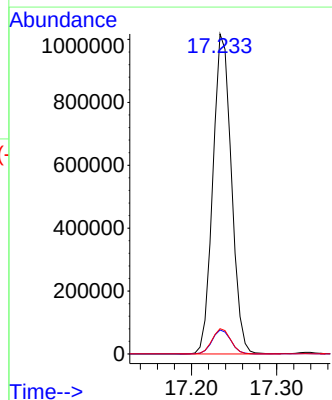
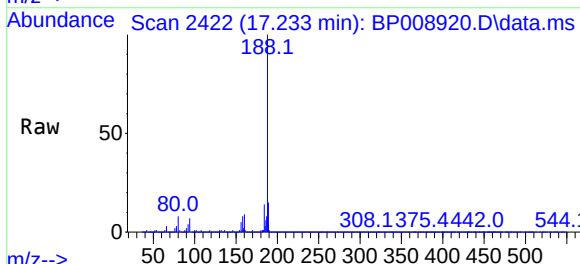
Manual Integrations
APPROVED

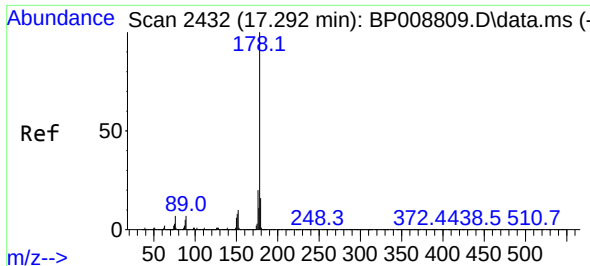
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.233 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Tgt Ion:188 Resp: 1536834
Ion Ratio Lower Upper
188 100
94 7.5 6.8 10.2
80 7.9 7.2 10.8





#71
Phenanthrene
Concen: 86.842 ng
RT: 17.281 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Instrument :

BNA_P

ClientSampleId :

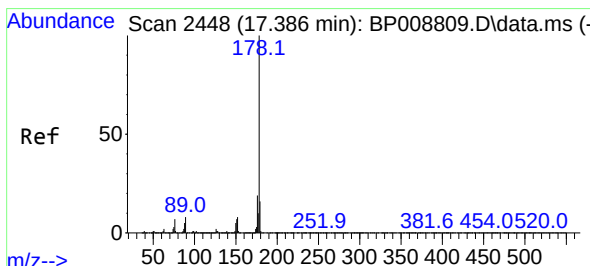
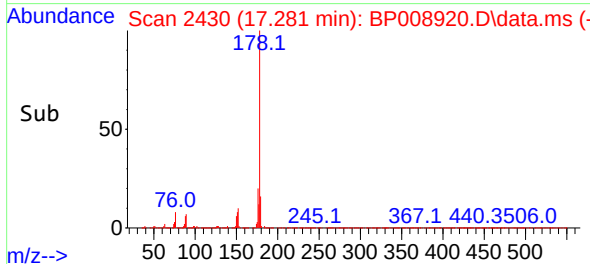
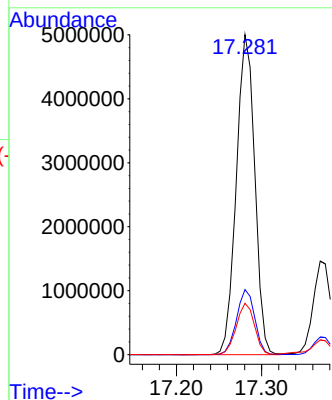
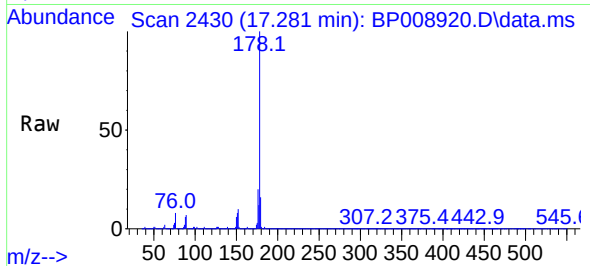
TR-04-01212022DL

Tgt Ion:178 Resp: 751430
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 16.0 13.0 19.4

Manual Integrations

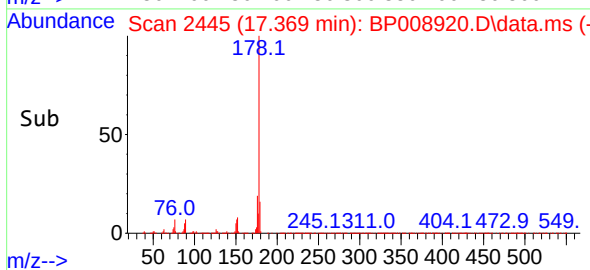
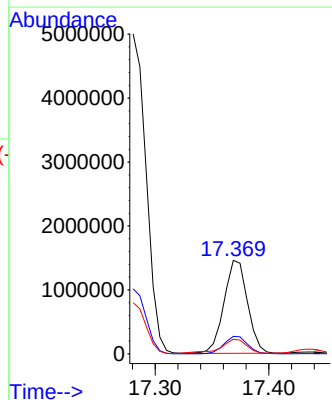
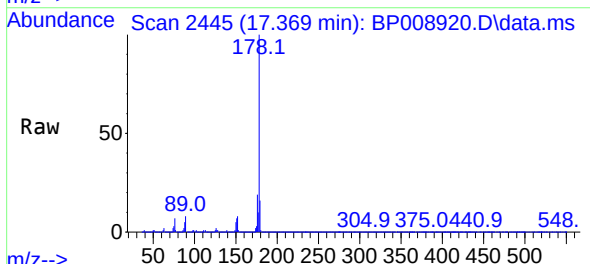
APPROVED

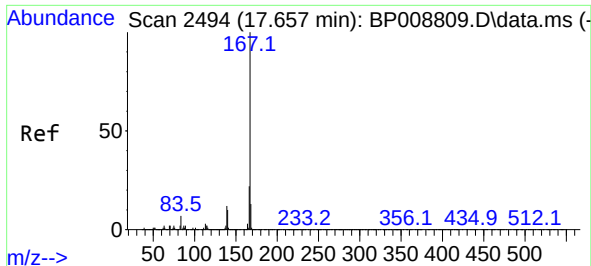
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#72
Anthracene
Concen: 24.084 ng
RT: 17.369 min Scan# 2445
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

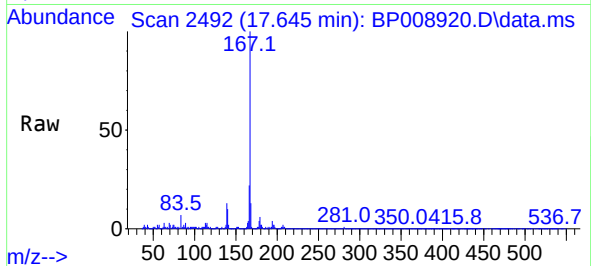
Tgt Ion:178 Resp: 2090530
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.7 12.8 19.2





#73
 Carbazole
 Concen: 4.623 ng
 RT: 17.645 min Scan# 2494
 Delta R.T. -0.000 min
 Lab File: BP008920.D
 Acq: 25 Jan 2022 22:08

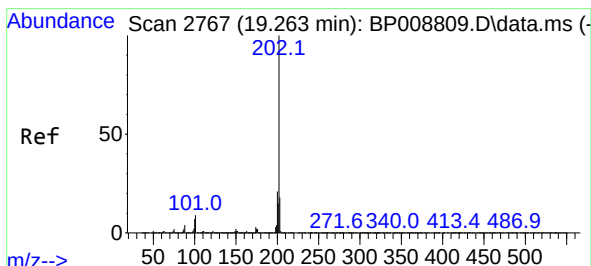
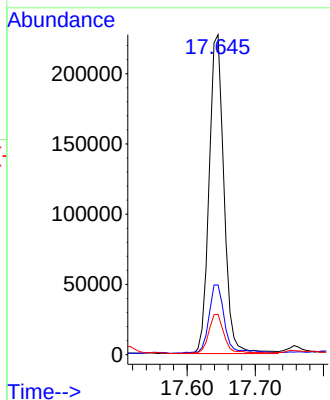
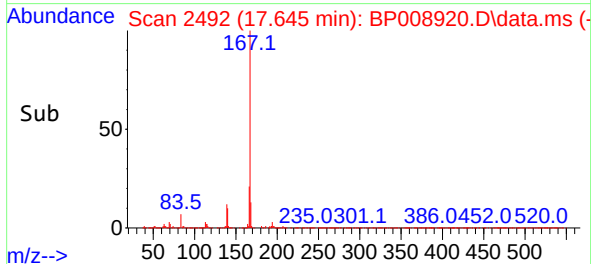
Instrument :
 BNA_P
 ClientSampleId :
 TR-04-01212022DL



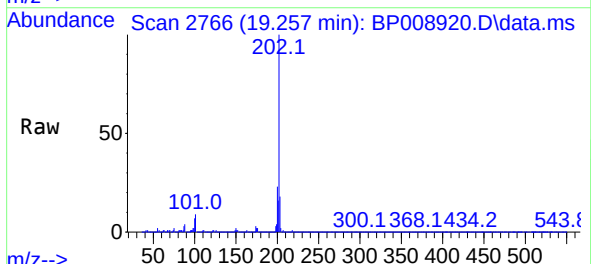
Tgt Ion:167 Resp: 345068
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.7 26.5
 139 12.6 9.8 14.6

Manual Integrations
 APPROVED

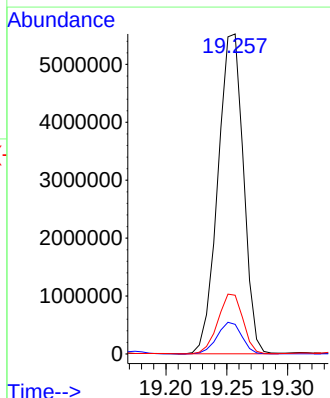
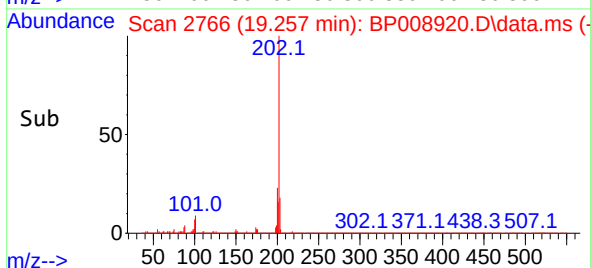
Reviewed By :Christian Giraldo 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022

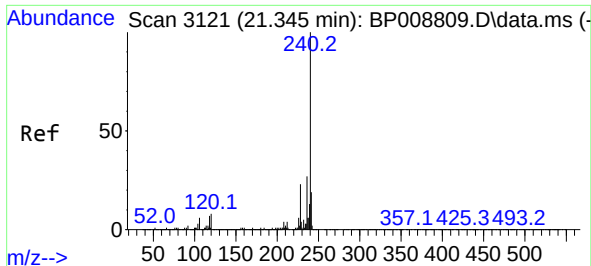


#75
 Fluoranthene
 Concen: 83.704 ng
 RT: 19.257 min Scan# 2766
 Delta R.T. 0.006 min
 Lab File: BP008920.D
 Acq: 25 Jan 2022 22:08



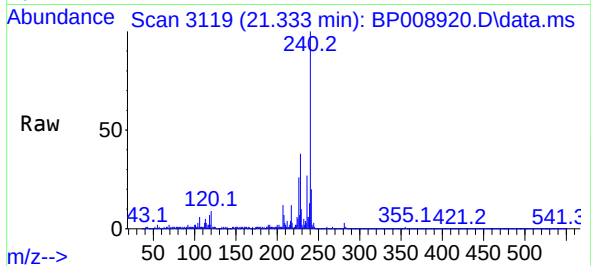
Tgt Ion:202 Resp: 8054393
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 30.7
 203 18.4 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3121
Delta R.T. -0.000 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

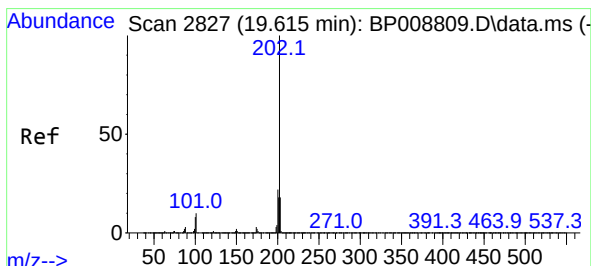
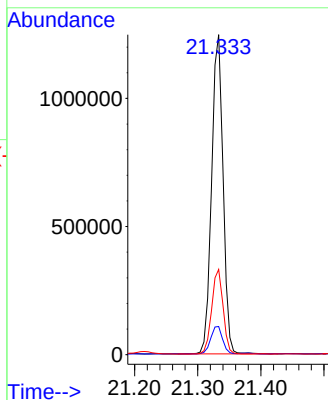
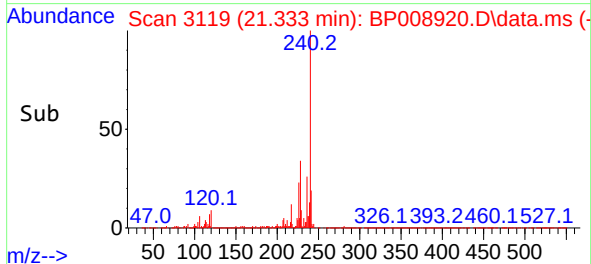
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL



Tgt Ion:240 Resp: 1567044
Ion Ratio Lower Upper
240 100
120 8.8 7.7 11.5
236 26.7 21.2 31.8

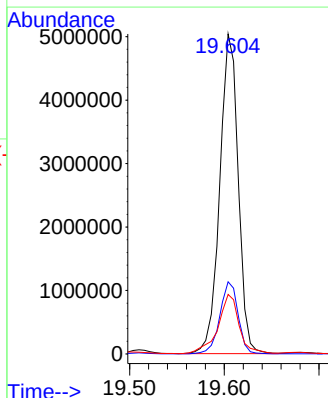
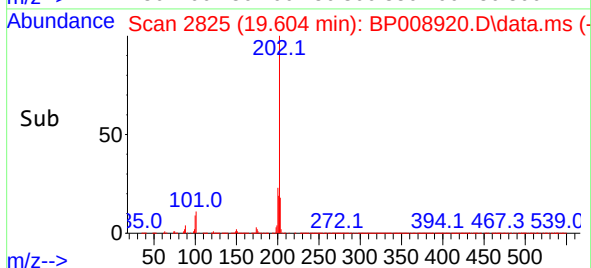
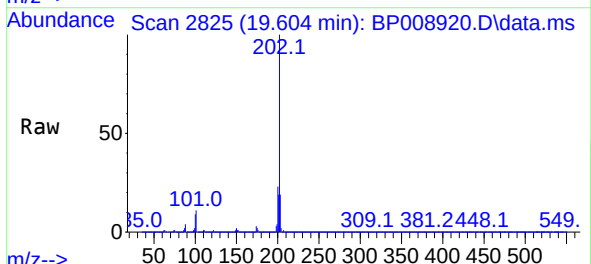
Manual Integrations
APPROVED

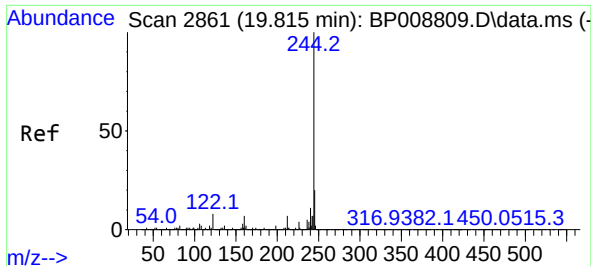
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#78
Pyrene
Concen: 62.472 ng
RT: 19.604 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Tgt Ion:202 Resp: 6830810
Ion Ratio Lower Upper
202 100
200 22.5 18.0 27.0
203 18.6 15.0 22.6





#79
Terphenyl-d14
Concen: 2.016 ng
RT: 19.798 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Instrument :

BNA_P

ClientSampleId :

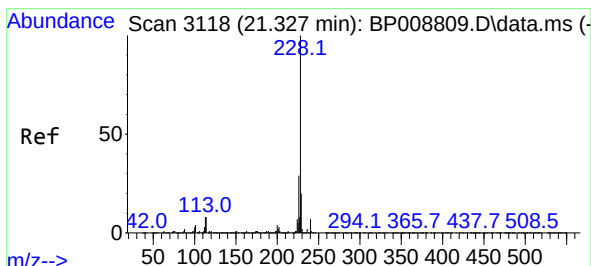
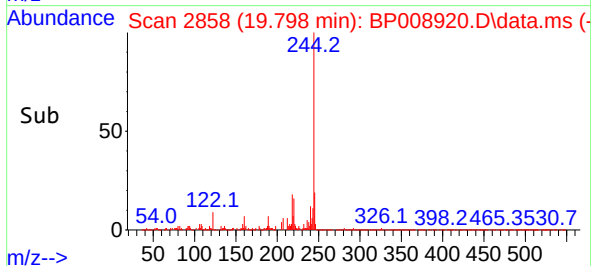
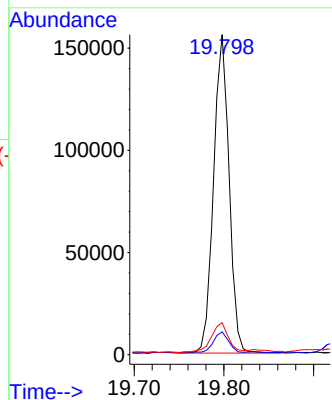
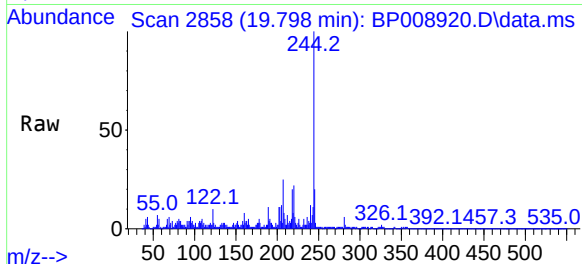
TR-04-01212022DL

Tgt Ion:244 Resp: 187135
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 10.0 9.2 13.8

Manual Integrations

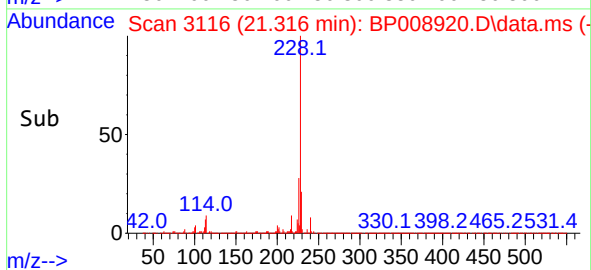
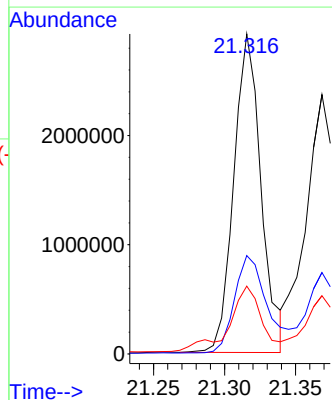
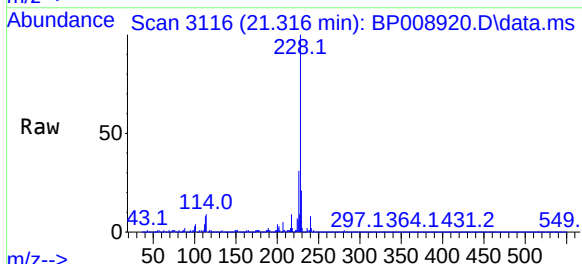
APPROVED

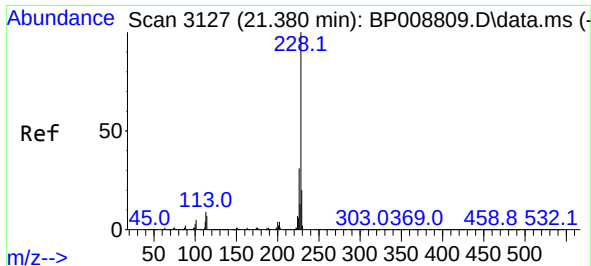
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#81
Benzo(a)anthracene
Concen: 37.018 ng
RT: 21.316 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

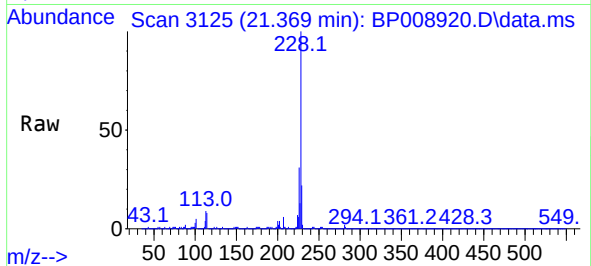
Tgt Ion:228 Resp: 3902564
Ion Ratio Lower Upper
228 100
226 30.7 23.3 34.9
229 21.2 17.0 25.6





#83
Chrysene
Concen: 33.422 ng
RT: 21.369 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

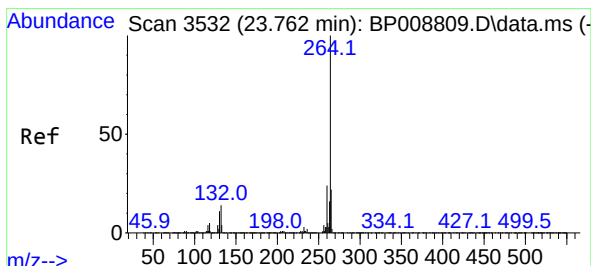
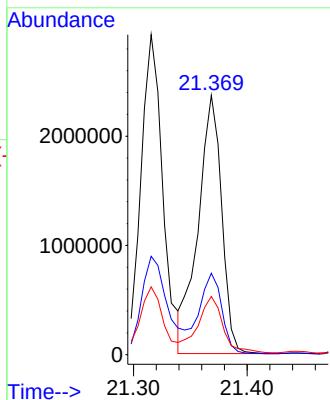
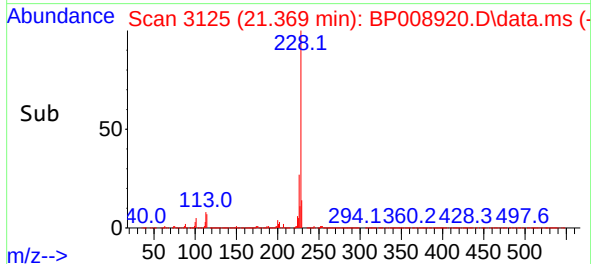
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL



Tgt Ion:228 Resp: 3415679
Ion Ratio Lower Upper
228 100
226 31.4 26.0 39.0
229 22.4 16.9 25.3

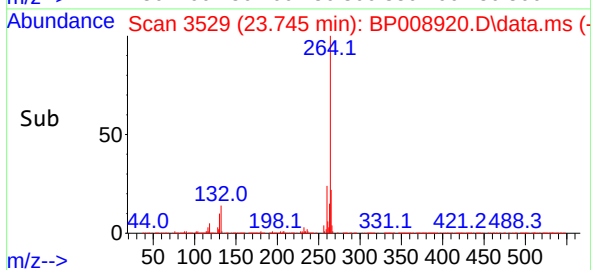
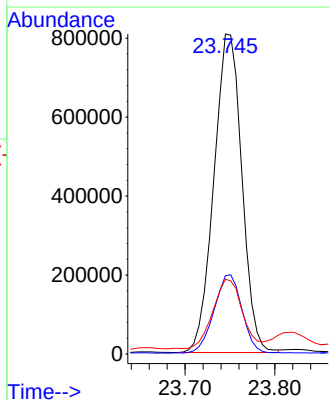
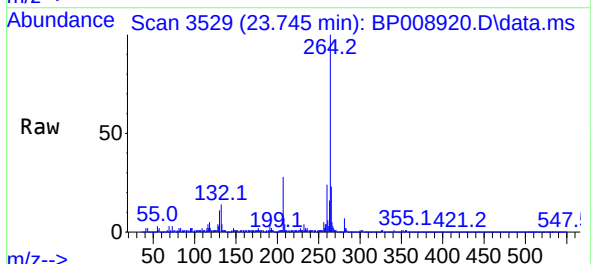
Manual Integrations
APPROVED

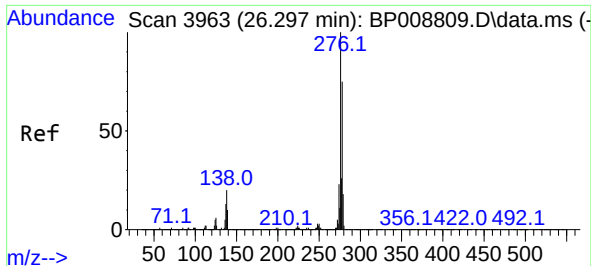
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.745 min Scan# 3529
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Tgt Ion:264 Resp: 1748542
Ion Ratio Lower Upper
264 100
260 24.4 19.1 28.7
265 23.4 17.1 25.7





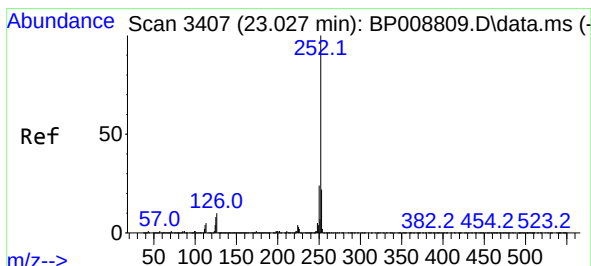
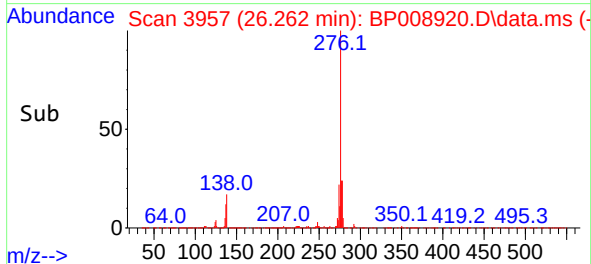
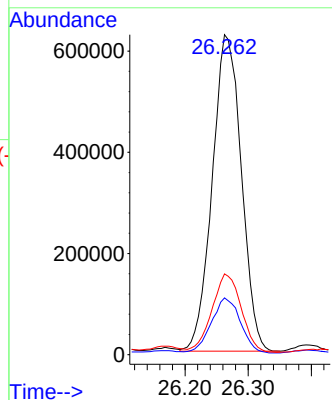
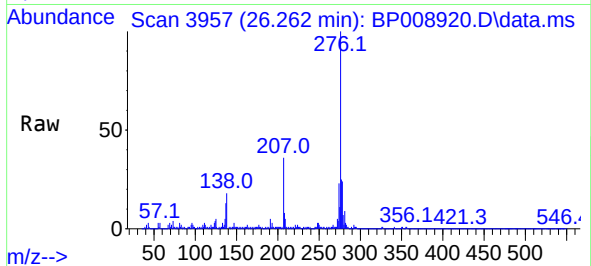
#87
Indeno(1,2,3-cd)pyrene
Concen: 13.900 ng
RT: 26.262 min Scan# 3963
Delta R.T. -0.018 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL

Tgt Ion:276 Resp: 200274
Ion Ratio Lower Upper
276 100
138 17.4 17.8 26.6
277 24.9 20.4 30.6

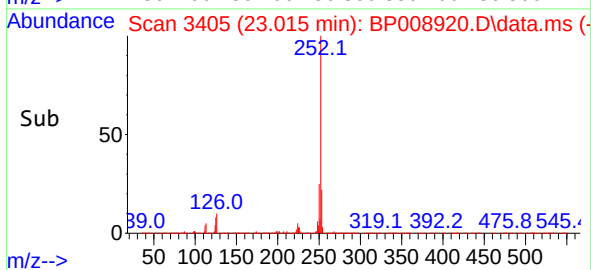
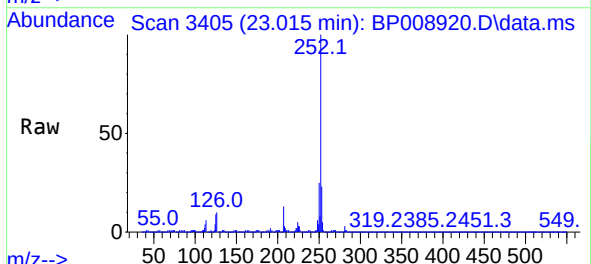
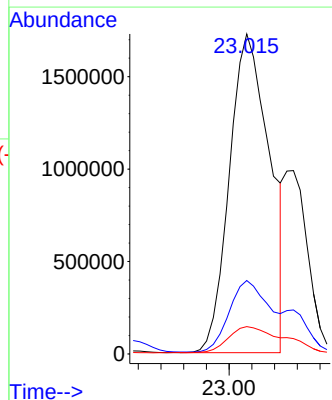
Manual Integrations
APPROVED

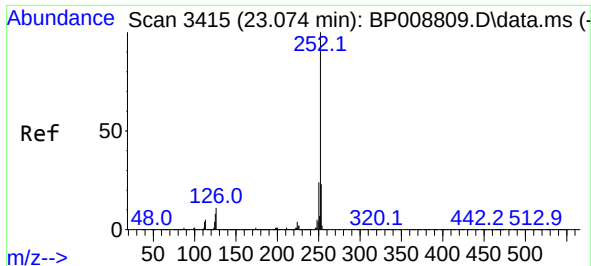
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#88
Benzo(b)fluoranthene
Concen: 36.375 ng
RT: 23.015 min Scan# 3405
Delta R.T. -0.000 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Tgt Ion:252 Resp: 4247550
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 8.5 6.9 10.3





#89
Benzo(k)fluoranthene
Concen: 12.306 ng m
RT: 23.057 min Scan# 3415
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Instrument :

BNA_P

ClientSampleId :

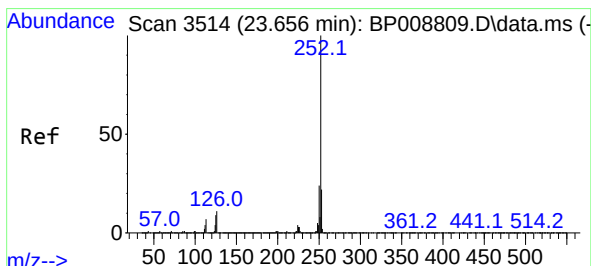
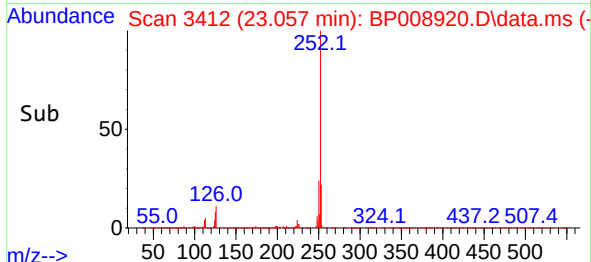
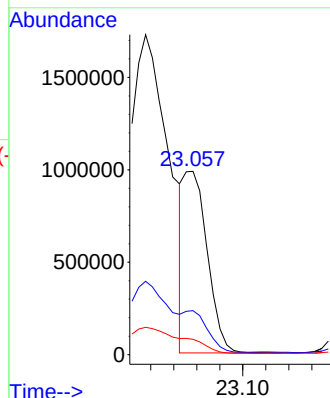
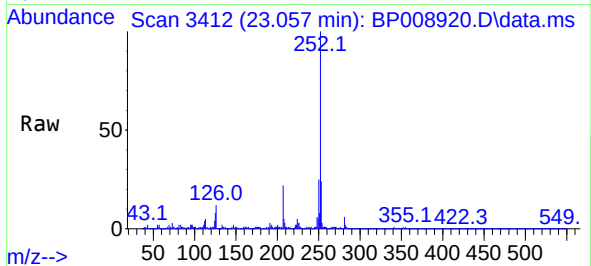
TR-04-01212022DL

Tgt Ion:252 Resp: 1391008
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 8.4 7.3 10.9

Manual Integrations

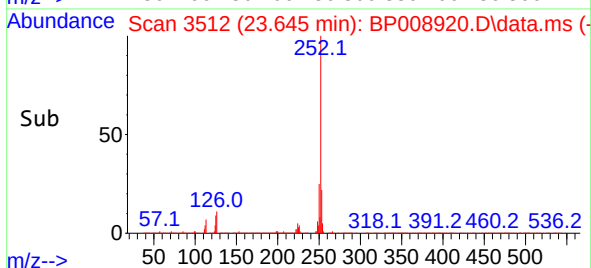
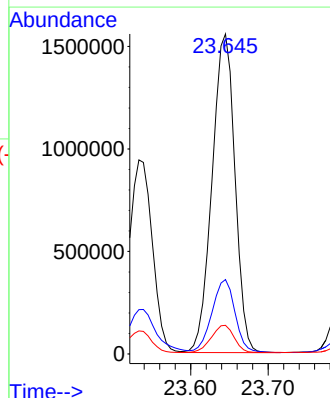
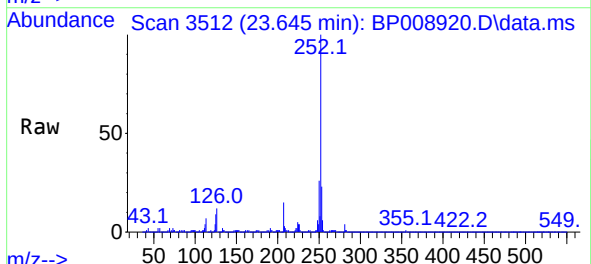
APPROVED

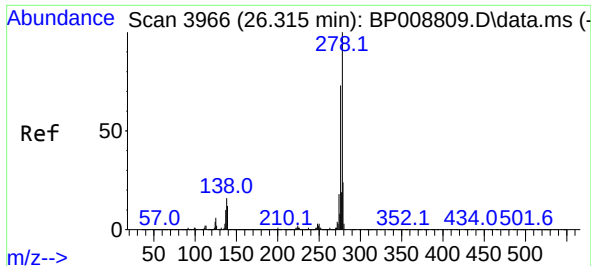
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#90
Benzo(a)pyrene
Concen: 28.299 ng
RT: 23.645 min Scan# 3512
Delta R.T. -0.000 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

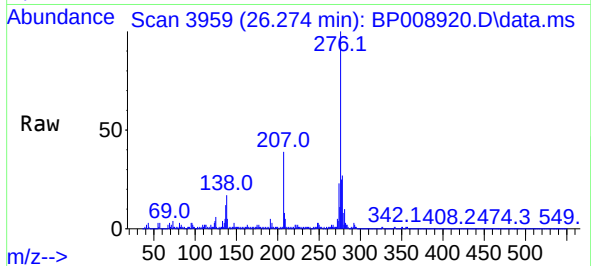
Tgt Ion:252 Resp: 3189571
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 9.0 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 4.574 ng
RT: 26.274 min Scan# 3966
Delta R.T. -0.024 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

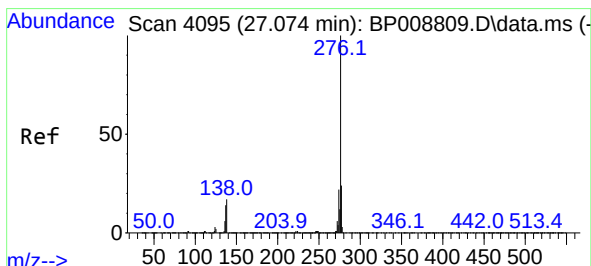
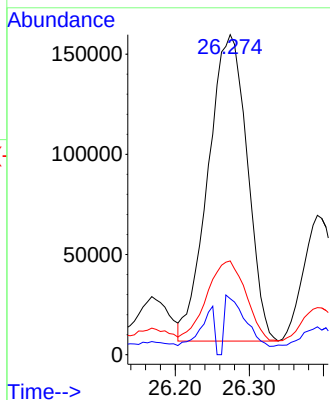
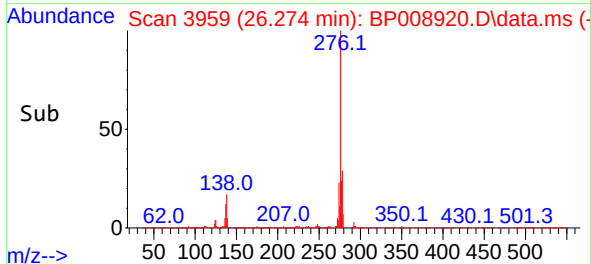
Instrument :
BNA_P
ClientSampleId :
TR-04-01212022DL



Tgt Ion:278 Resp: 560408
Ion Ratio Lower Upper
278 100
139 17.5 11.5 17.3
279 29.3 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#92
Benzo(g,h,i)perylene
Concen: 15.490 ng
RT: 27.045 min Scan# 4090
Delta R.T. -0.006 min
Lab File: BP008920.D
Acq: 25 Jan 2022 22:08

Tgt Ion:276 Resp: 1852880
Ion Ratio Lower Upper
276 100
277 24.6 19.2 28.8
138 17.4 15.0 22.4

