

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
 Data File : BP009469.D
 Acq On : 21 Mar 2022 14:23
 Operator : CG/JU
 Sample : N1983-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 124035

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/22/2022
 Supervised By : Jagrut Upadhyay 03/22/2022

Quant Time: Mar 21 15:05:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 17 18:26:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	386516	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1569383	20.000	ng	0.00
39) Acenaphthene-d10	14.434	164	995515	20.000	ng	-0.01
64) Phenanthrene-d10	17.198	188	2005345	20.000	ng	0.00
76) Chrysene-d12	21.310	240	2030005	20.000	ng	0.00
86) Perylene-d12	23.710	264	2192694	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	2799110	126.439	ng	0.00
7) Phenol-d6	6.981	99	3592111	119.983	ng	-0.01
23) Nitrobenzene-d5	8.952	82	2225788	75.367	ng	0.00
42) 2,4,6-Tribromophenol	15.934	330	1551987	94.474	ng	-0.01
45) 2-Fluorobiphenyl	13.057	172	4712690	65.626	ng	0.00
79) Terphenyl-d14	19.775	244	7388741	65.330	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.634	128	855576	10.584	ng	99
37) 2-Methylnaphthalene	12.251	142	1510358	26.629	ng	99
38) 1-Methylnaphthalene	12.469	142	1063481	19.247	ng	99
46) 1,1'-Biphenyl	13.269	154	640137	8.620	ng	98
52) Acenaphthene	14.504	154	3403788	63.128	ng	100
55) Dibenzofuran	14.839	168	4098525	45.246	ng	99
58) Fluorene	15.492	166	4526348	63.536	ng	98
71) Phenanthrene	17.245	178	15764744m	146.858	ng	
72) Anthracene	17.333	178	2630023	24.815	ng	99
73) Carbazole	17.610	167	1193567	11.515	ng	100
75) Fluoranthene	19.222	202	9784390	75.288	ng	98
78) Pyrene	19.575	202	6602137	49.355	ng	99
81) Benzo(a)anthracene	21.292	228	1686265	12.644	ng	98
83) Chrysene	21.345	228	1507042	11.933	ng	97
84) Bis(2-ethylhexyl)phtha...	21.227	149	407978	5.148	ng	98
87) Indeno(1,2,3-cd)pyrene	26.204	276	347646	2.090	ng	94
88) Benzo(b)fluoranthene	22.980	252	1118199	8.543	ng	98
89) Benzo(k)fluoranthene	23.021	252	371722m	2.900	ng	
90) Benzo(a)pyrene	23.604	252	624334	5.575	ng	98
92) Benzo(g,h,i)perylene	26.974	276	329286	2.414	ng	97

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

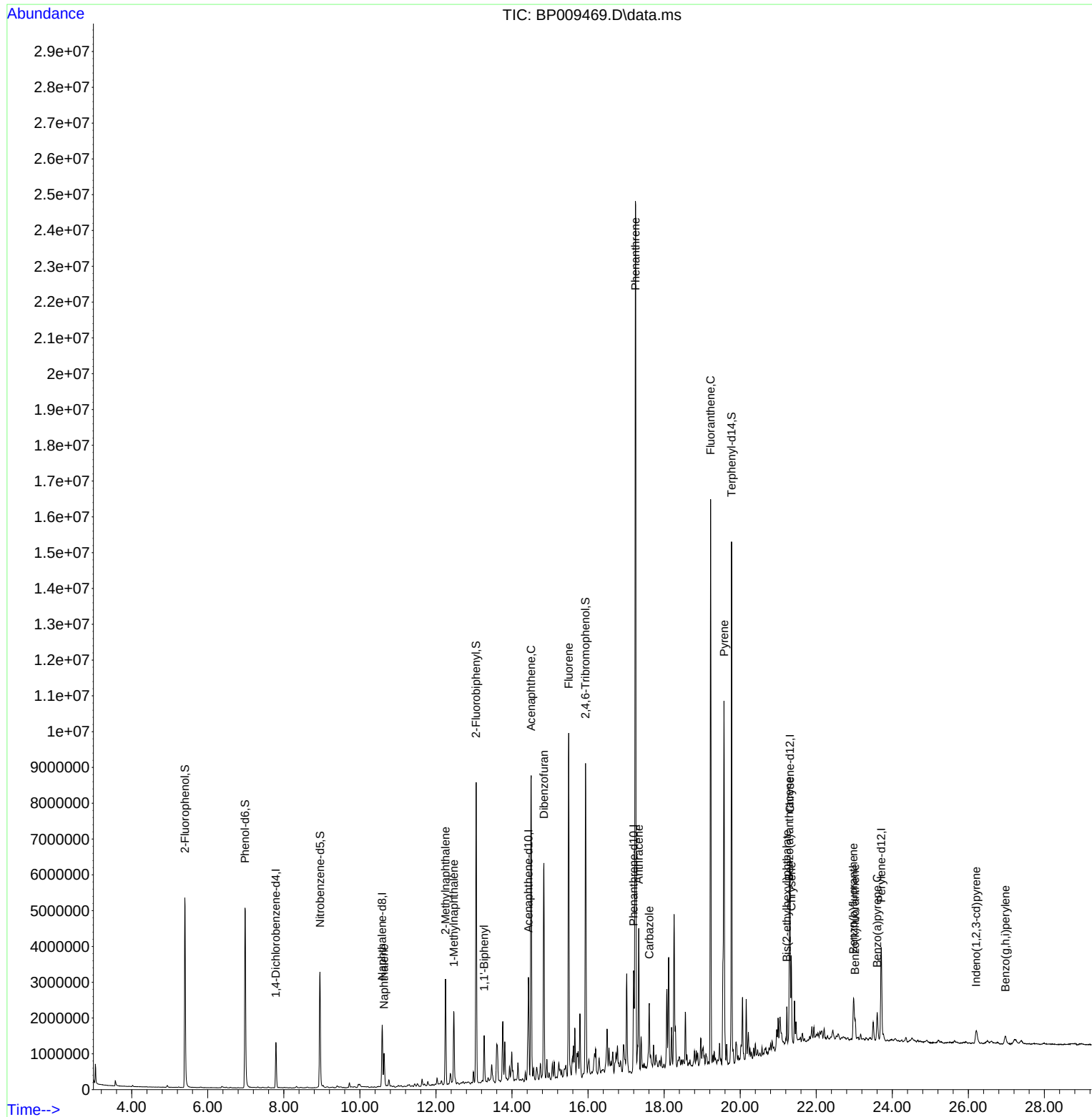
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

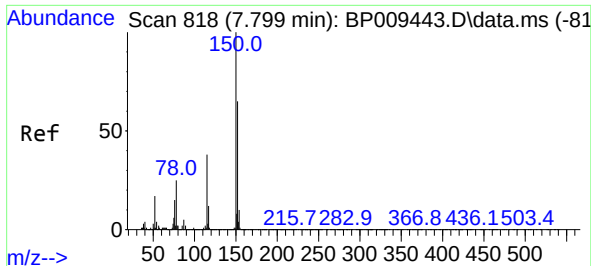
Instrument :
BNA_P
ClientSampleId :
124035

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Supervised By : Jagrut Upadhyay 03/22/2022

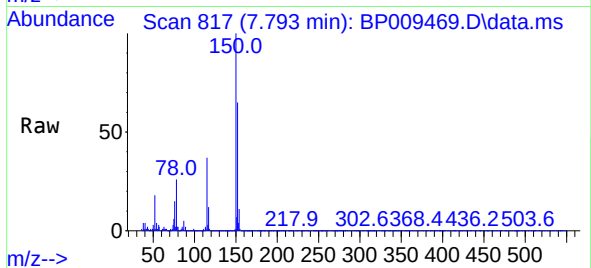
Quant Time: Mar 21 15:05:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 17 18:26:53 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

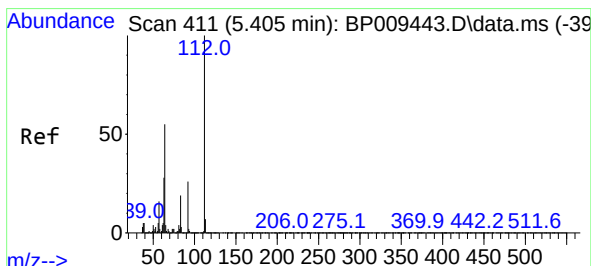
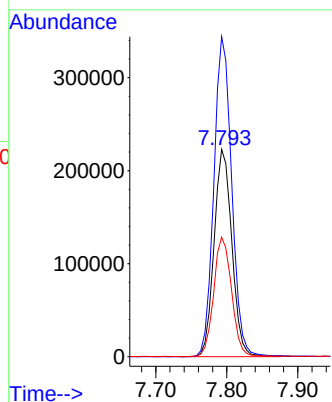
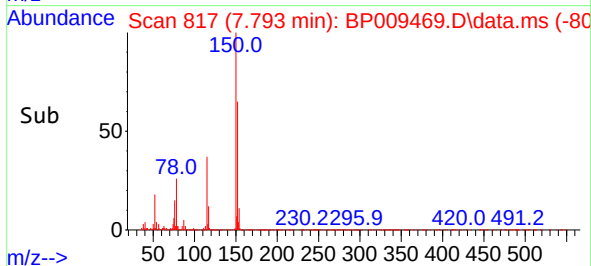
Instrument :
BNA_P
ClientSampleId :
124035



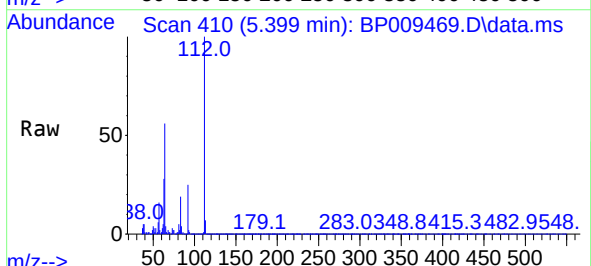
Tgt Ion:152 Resp: 386510
Ion Ratio Lower Upper
152 100
150 154.3 124.5 186.7
115 57.7 48.2 72.4

Manual Integrations
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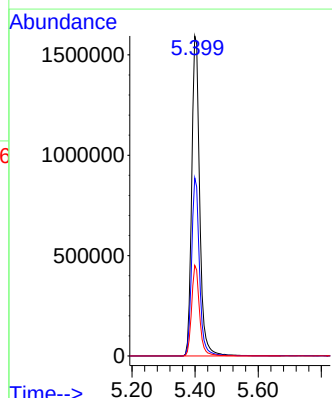
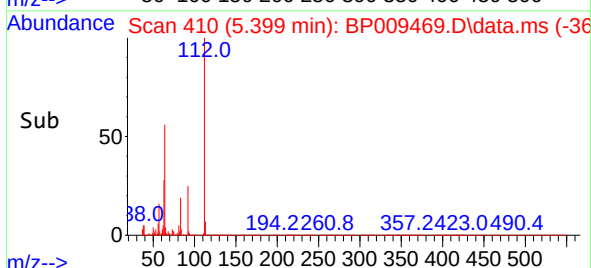
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

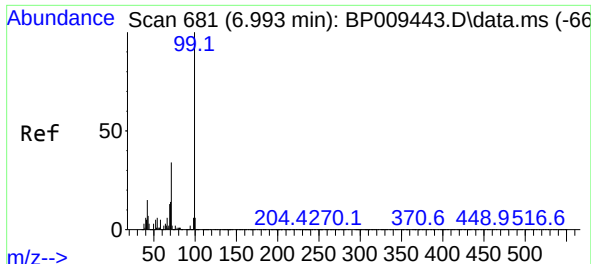


#5
2-Fluorophenol
Concen: 126.439 ng
RT: 5.399 min Scan# 410
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23



Tgt Ion:112 Resp: 2799110
Ion Ratio Lower Upper
112 100
64 55.7 45.0 67.4
63 28.3 23.0 34.6





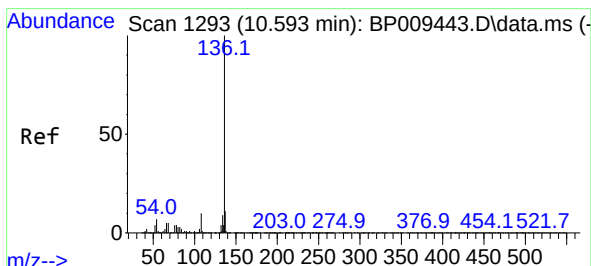
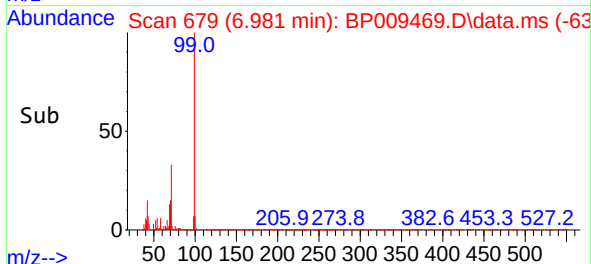
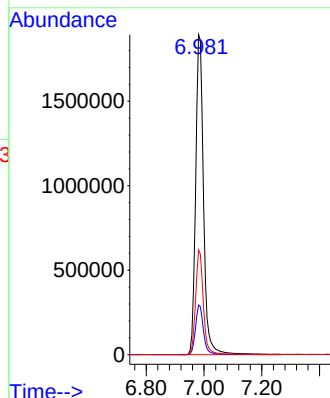
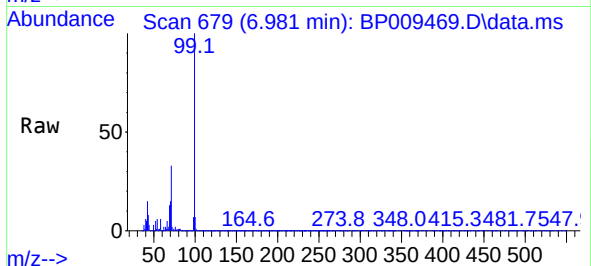
#7
Phenol-d6
Concen: 119.983 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Instrument :
BNA_P
ClientSampleId :
124035

Tgt Ion: 99 Resp: 359211
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 32.7 26.3 39.5

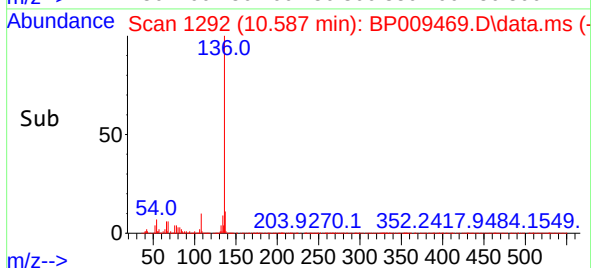
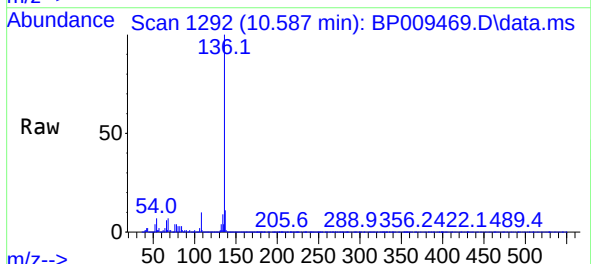
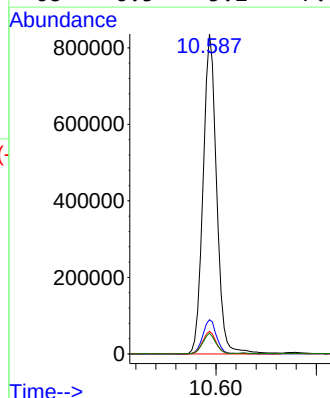
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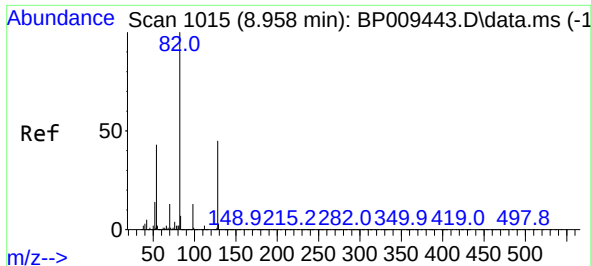
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

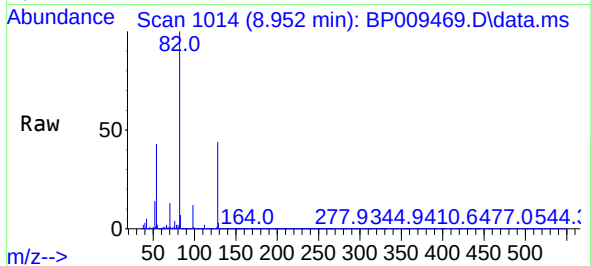
Tgt Ion:136 Resp: 1569383
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 7.1 5.8 8.8
68 6.5 5.2 7.8





#23
Nitrobenzene-d5
Concen: 75.367 ng
RT: 8.952 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Instrument :
BNA_P
ClientSampleId :
124035

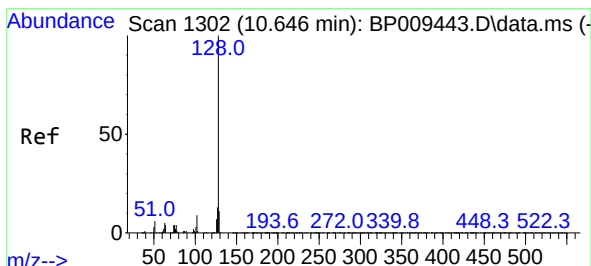
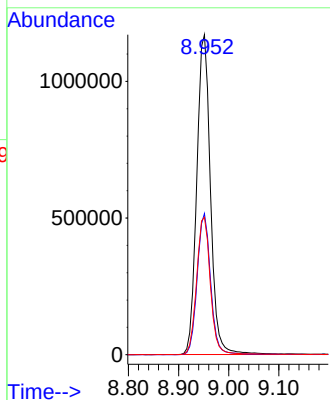
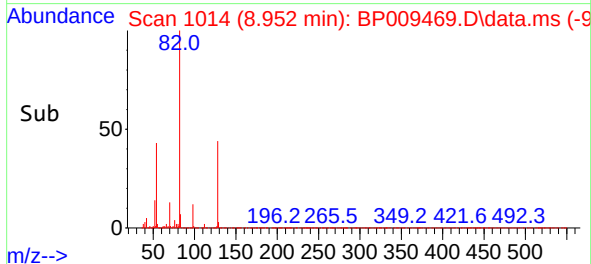


Tgt Ion: 82 Resp: 222578

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.2	51.4
54	43.0	34.7	52.1

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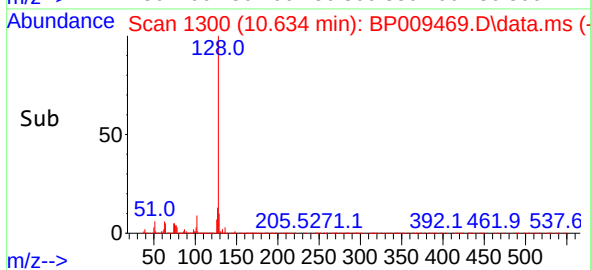
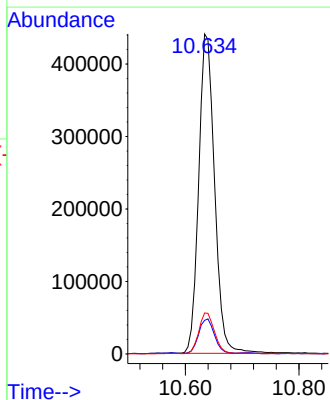
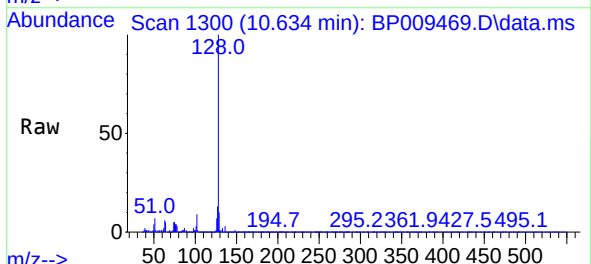
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

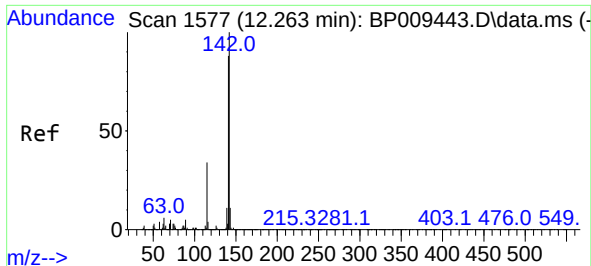


#31
Naphthalene
Concen: 10.584 ng
RT: 10.634 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion:128 Resp: 855576

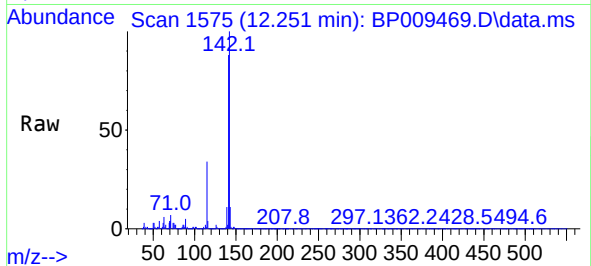
Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	13.0
127	12.8	10.5	15.7





#37
2-Methylnaphthalene
Concen: 26.629 ng
RT: 12.251 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

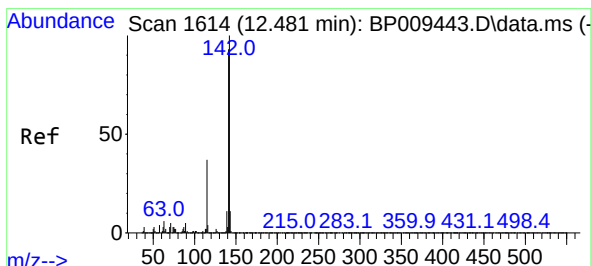
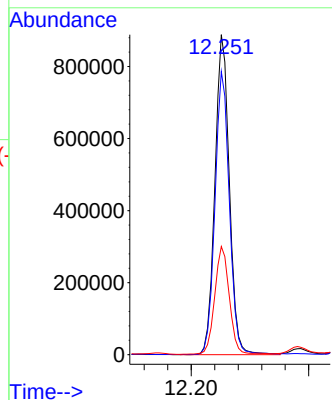
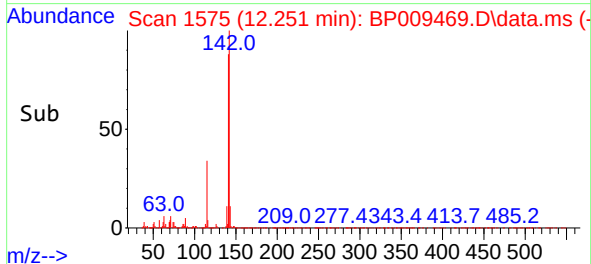
Instrument :
BNA_P
ClientSampleId :
124035



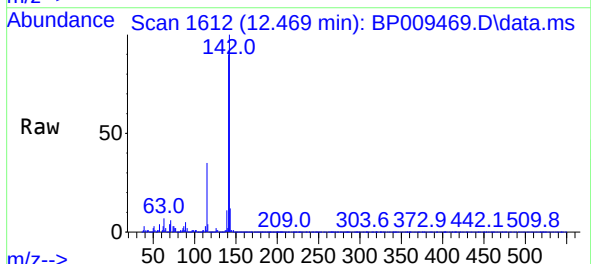
Tgt Ion:142 Resp: 1510358
Ion Ratio Lower Upper
142 100
141 88.5 70.2 105.4
115 33.8 27.4 41.2

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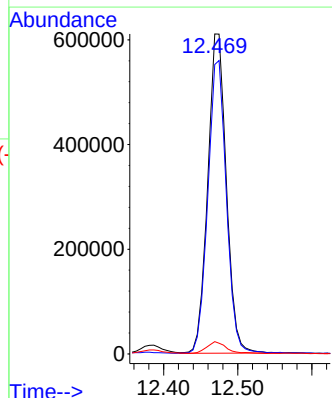
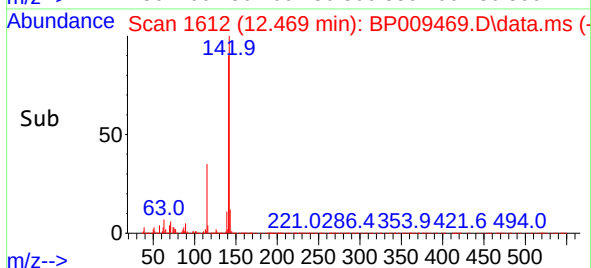
Reviewed By :Christian Giraldo 03/22/2022
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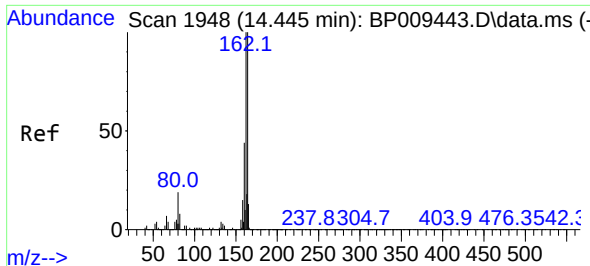


#38
1-Methylnaphthalene
Concen: 19.247 ng
RT: 12.469 min Scan# 1612
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23



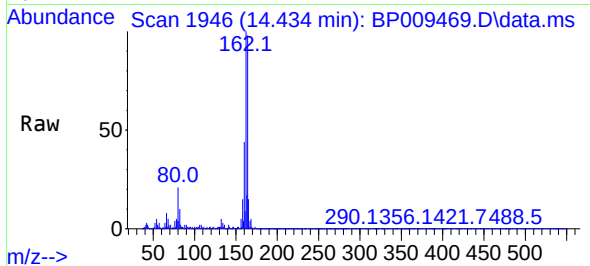
Tgt Ion:142 Resp: 1063481
Ion Ratio Lower Upper
142 100
141 90.5 73.5 110.3
116 3.8 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.434 min Scan# 1948
Delta R.T. -0.011 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

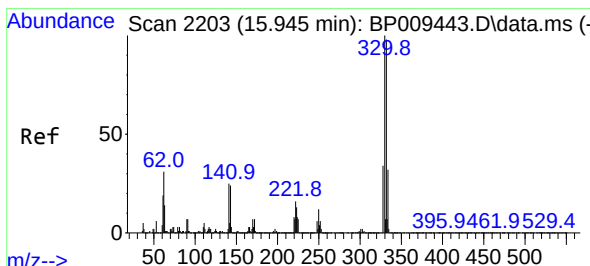
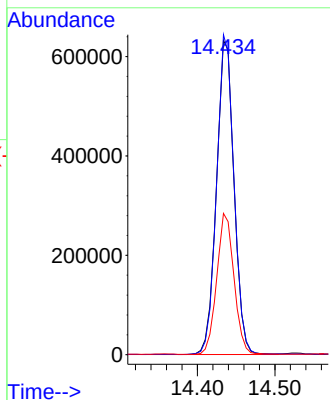
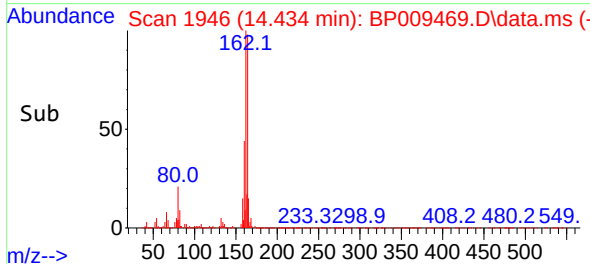
Instrument :
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124035



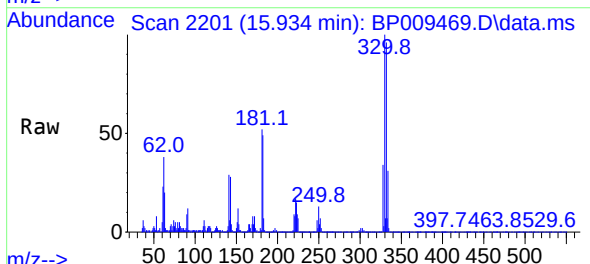
Tgt Ion:164 Resp: 995515
Ion Ratio Lower Upper
164 100
162 101.8 79.1 118.7
160 44.9 34.9 52.3

Manual Integrations
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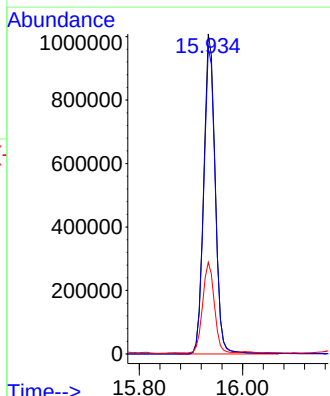
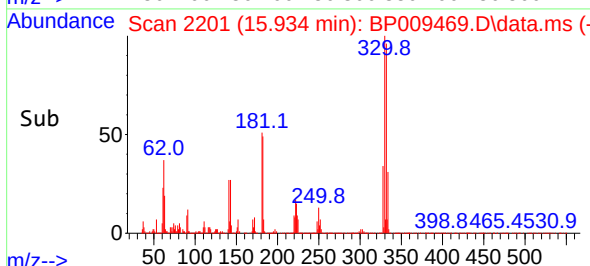
Reviewed By :Christian Giraldo 03/22/2022
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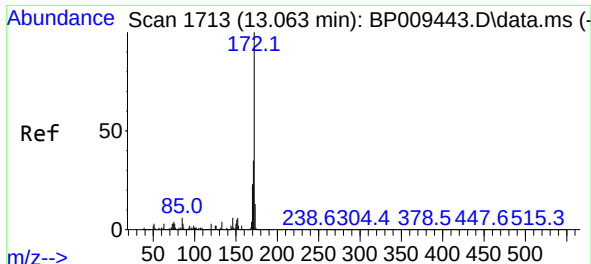


#42
2,4,6-Tribromophenol
Concen: 94.474 ng
RT: 15.934 min Scan# 2201
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23



Tgt Ion:330 Resp: 1551987
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.6
141 28.6 27.6 41.4





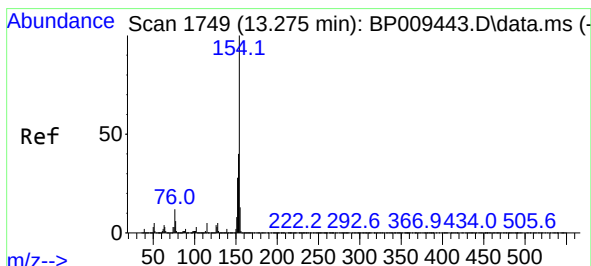
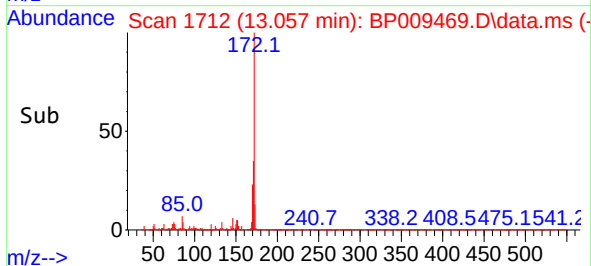
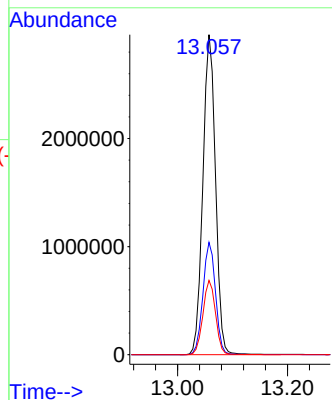
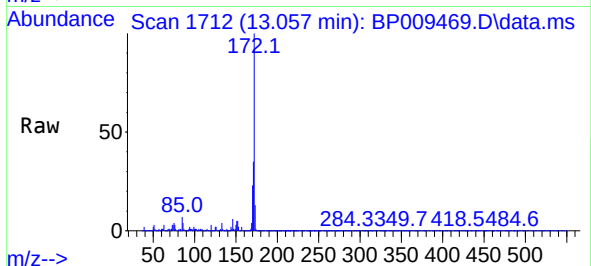
#45
2-Fluorobiphenyl
Concen: 65.626 ng
RT: 13.057 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Instrument :
BNA_P
ClientSampleId :
124035

Tgt Ion:172 Resp: 4712690
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 23.2 18.6 27.8

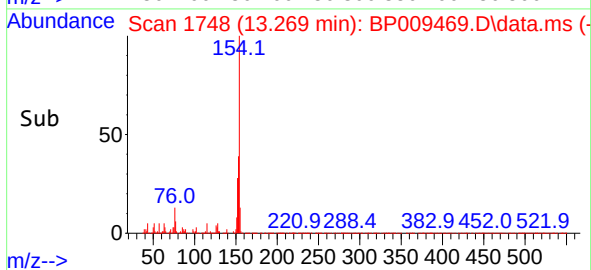
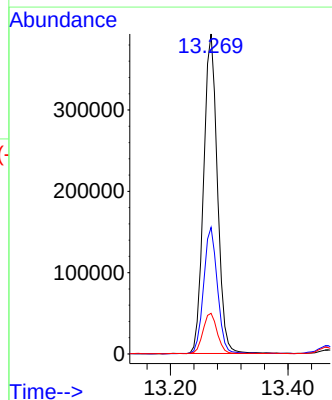
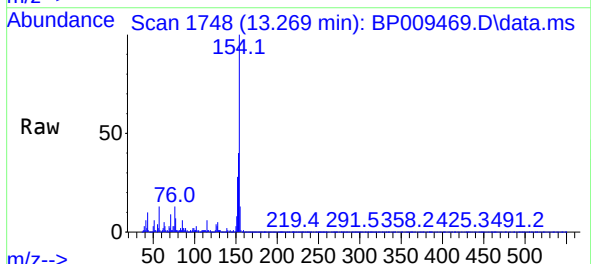
Manual Integrations
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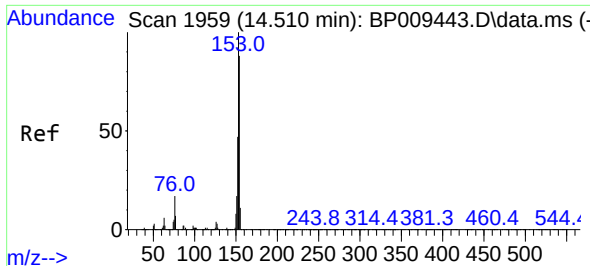
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#46
1,1'-Biphenyl
Concen: 8.620 ng
RT: 13.269 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

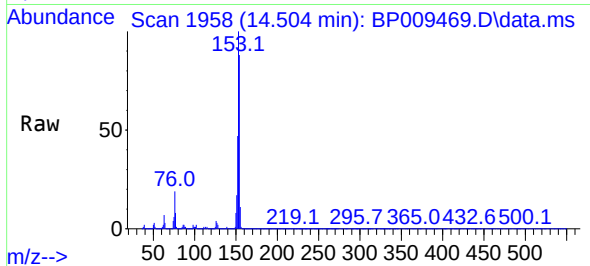
Tgt Ion:154 Resp: 640137
Ion Ratio Lower Upper
154 100
153 39.6 20.2 60.2
76 12.7 0.0 34.0





#52
Acenaphthene
Concen: 63.128 ng
RT: 14.504 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

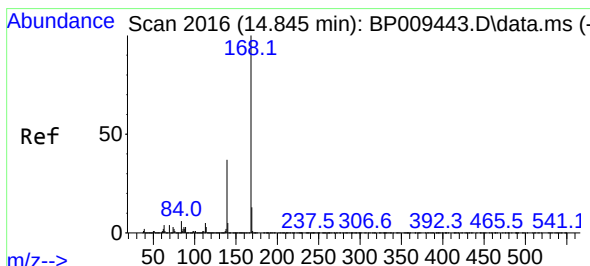
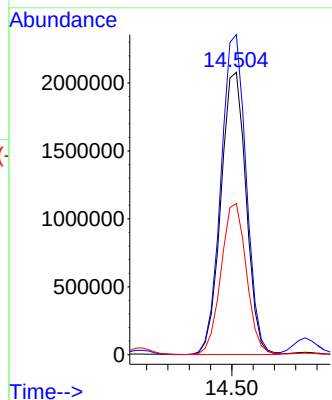
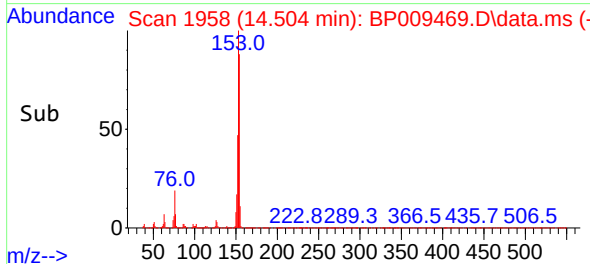
Instrument :
BNA_P
ClientSampleId :
124035



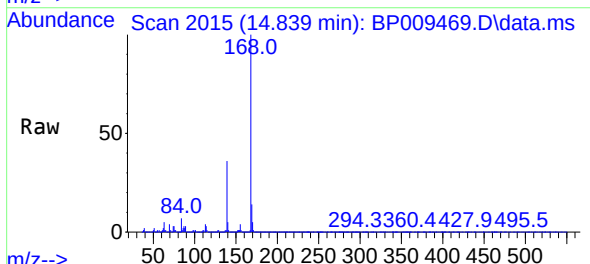
Tgt Ion:154 Resp: 3403788
Ion Ratio Lower Upper
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153 113.3 90.2 135.4
152 53.5 42.7 64.1

Manual Integrations
APPROVED

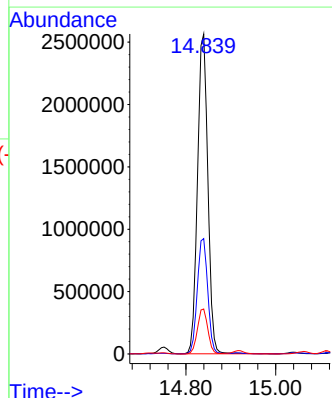
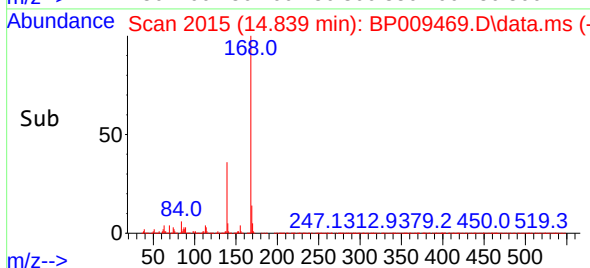
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

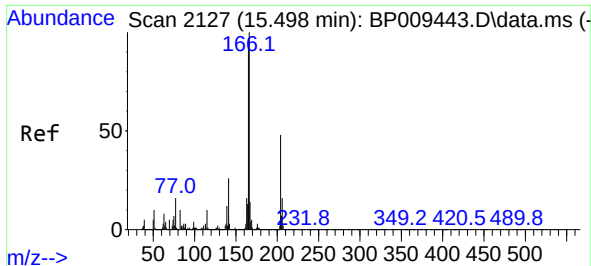


#55
Dibenzofuran
Concen: 45.246 ng
RT: 14.839 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23



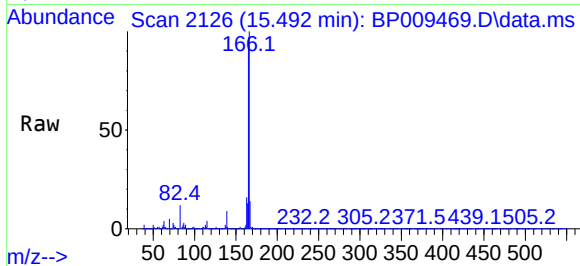
Tgt Ion:168 Resp: 4098525
Ion Ratio Lower Upper
168 100
139 36.1 29.1 43.7
169 14.0 10.6 16.0





#58
Fluorene
Concen: 63.536 ng
RT: 15.492 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

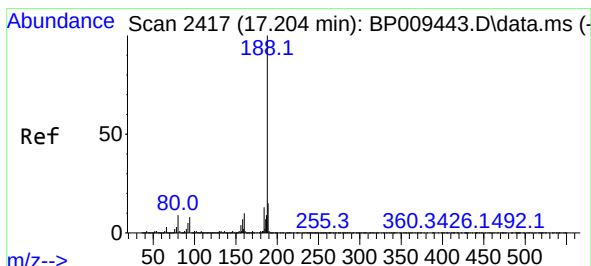
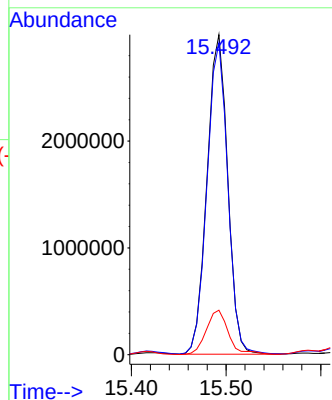
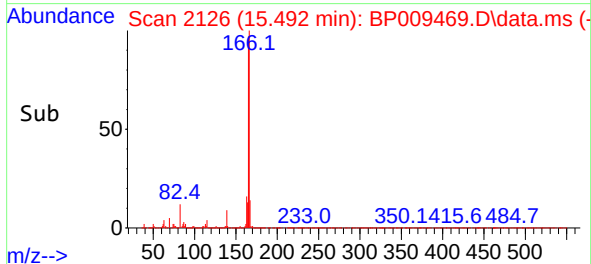
Instrument :
BNA_P
ClientSampleId :
124035



Tgt Ion:166 Resp: 452634
Ion Ratio Lower Upper
166 100
165 97.5 79.2 118.8
167 13.9 10.7 16.1

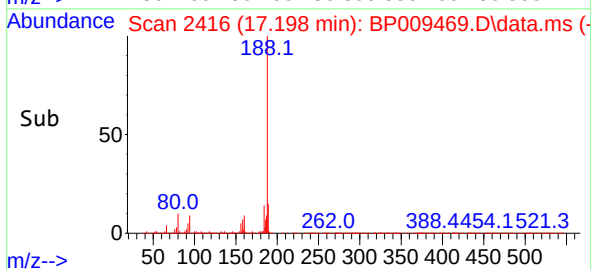
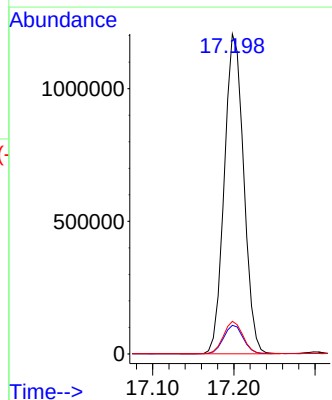
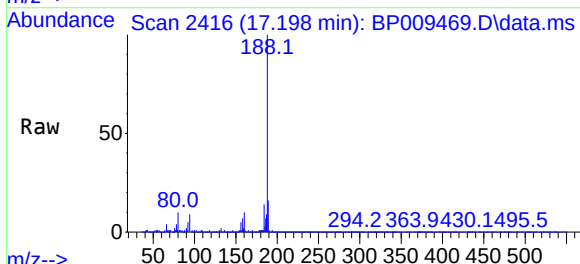
Manual Integrations
APPROVED

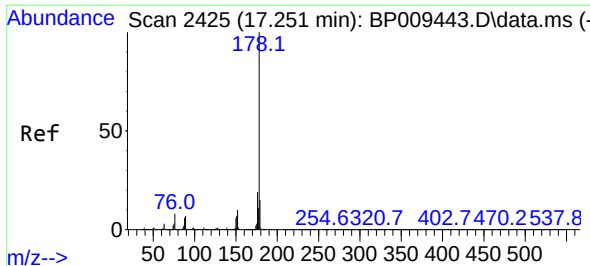
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

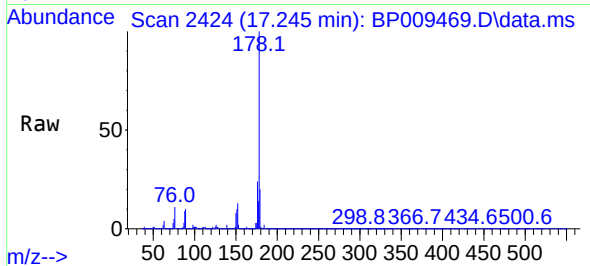
Tgt Ion:188 Resp: 2005345
Ion Ratio Lower Upper
188 100
94 9.0 7.9 11.9
80 10.2 8.8 13.2





#71
Phenanthrene
Concen: 146.858 ng m
RT: 17.245 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

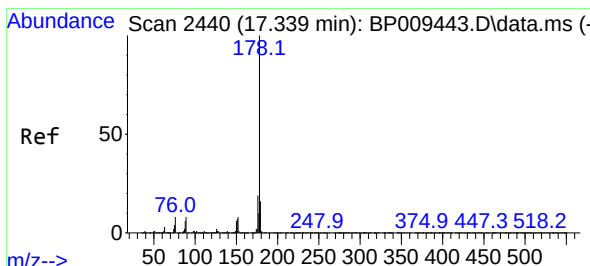
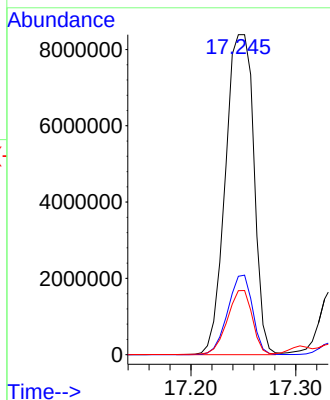
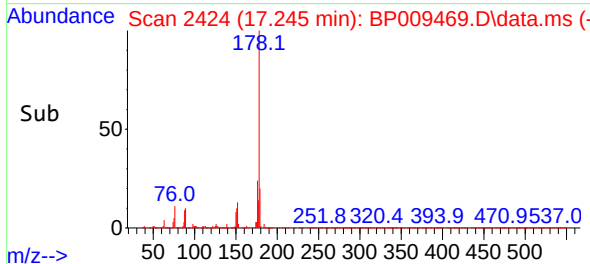
Instrument :
BNA_P
ClientSampleId :
124035



Tgt Ion:178 Resp:15764744
Ion Ratio Lower Upper
178 100
176 24.5 15.4 23.2
179 20.0 12.3 18.5

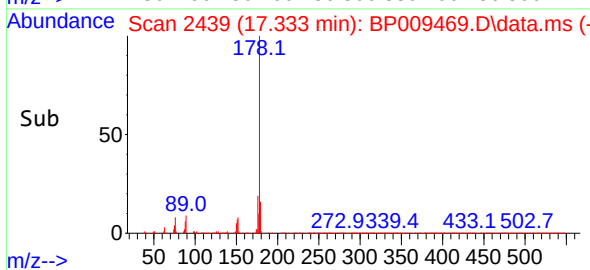
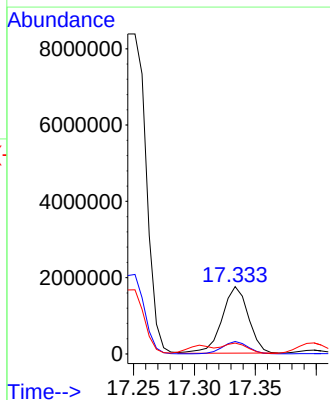
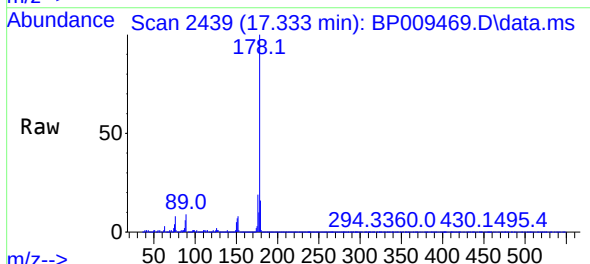
Manual Integrations
APPROVED

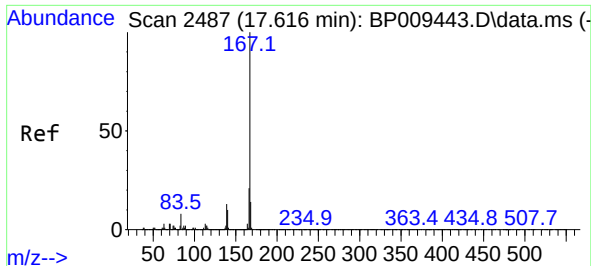
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#72
Anthracene
Concen: 24.815 ng
RT: 17.333 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

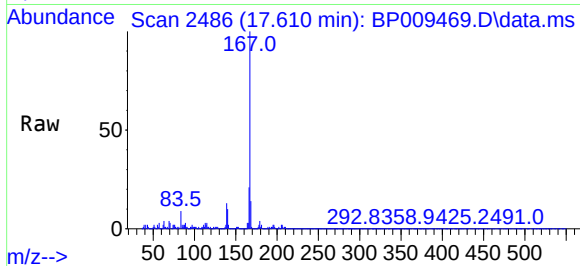
Tgt Ion:178 Resp: 2630023
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 16.3 12.2 18.4





#73
 Carbazole
 Concen: 11.515 ng
 RT: 17.610 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BP009469.D
 Acq: 21 Mar 2022 14:23

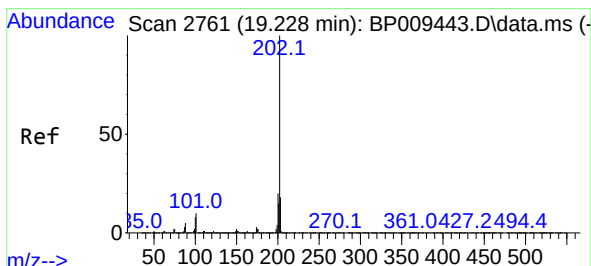
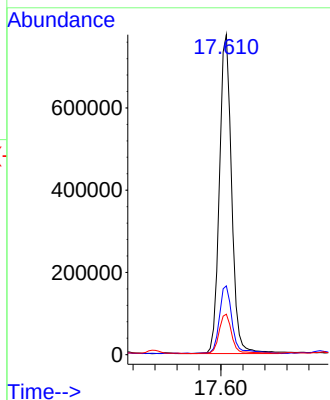
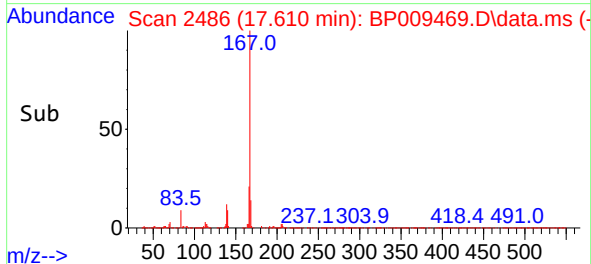
Instrument :
 BNA_P
 ClientSampleId :
 124035



Tgt Ion:167 Resp: 119356
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.2 25.8
 139 12.6 10.3 15.5

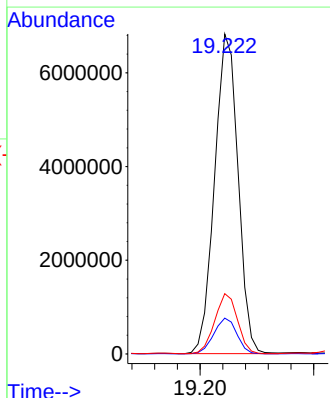
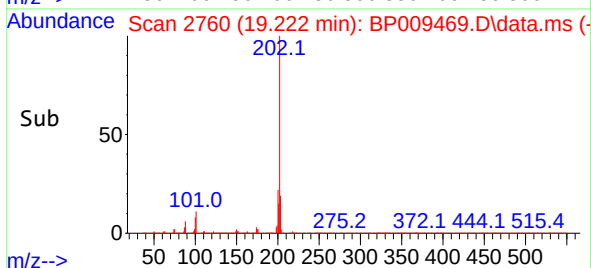
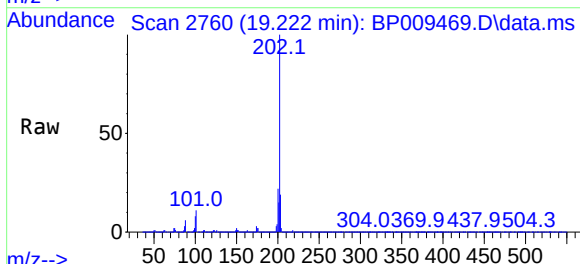
Manual Integrations
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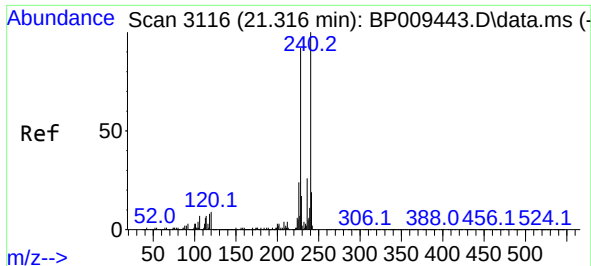
Reviewed By :Christian Giraldo 03/22/2022
 Supervised By :Jagrut Upadhyay 03/22/2022



#75
 Fluoranthene
 Concen: 75.288 ng
 RT: 19.222 min Scan# 2760
 Delta R.T. -0.006 min
 Lab File: BP009469.D
 Acq: 21 Mar 2022 14:23

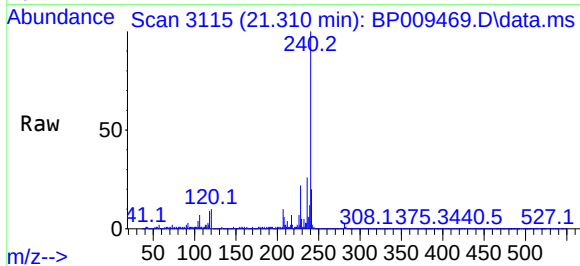
Tgt Ion:202 Resp: 9784390
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 31.5
 203 18.8 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

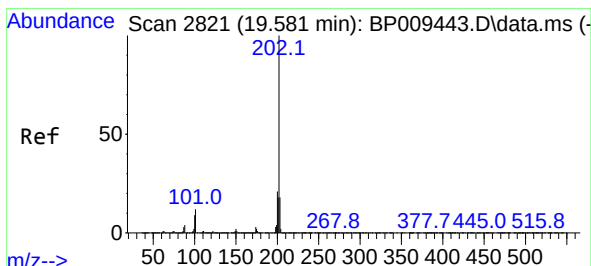
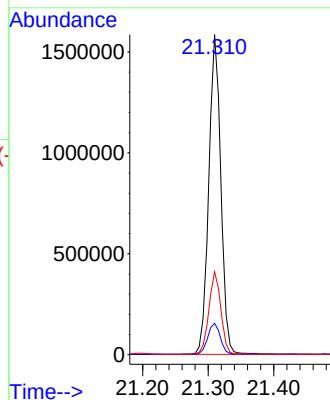
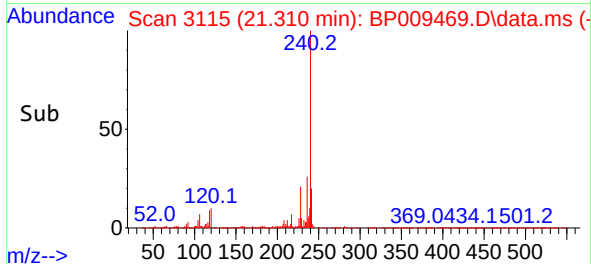
Instrument :
BNA_P
ClientSampleId :
124035



Tgt Ion:240 Resp: 2030000
Ion Ratio Lower Upper
240 100
120 9.8 9.0 13.4
236 25.9 20.6 30.8

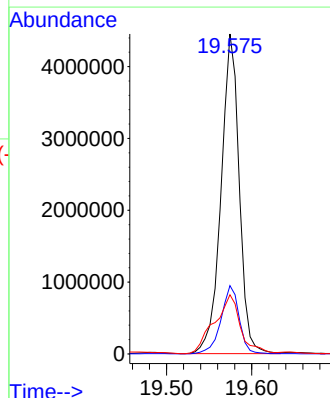
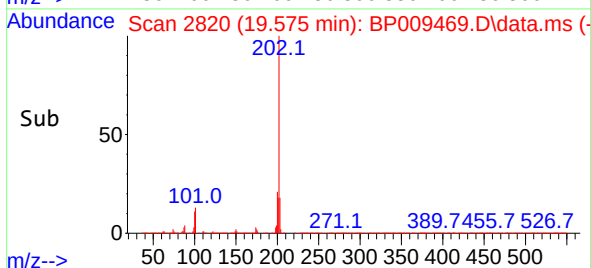
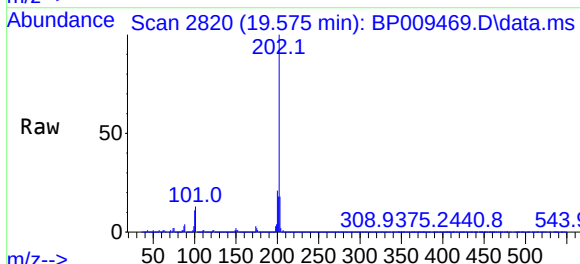
Manual Integrations
APPROVED

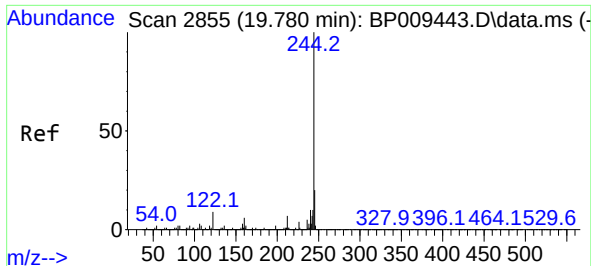
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#78
Pyrene
Concen: 49.355 ng
RT: 19.575 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

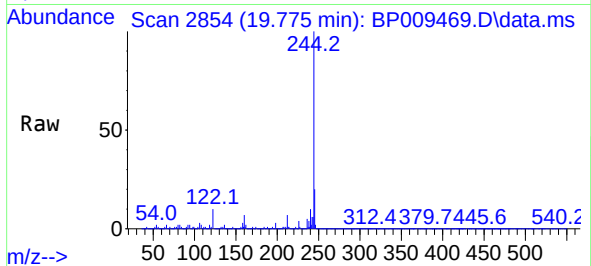
Tgt Ion:202 Resp: 6602137
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 18.5 14.2 21.4





#79
Terphenyl-d14
Concen: 65.330 ng
RT: 19.775 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

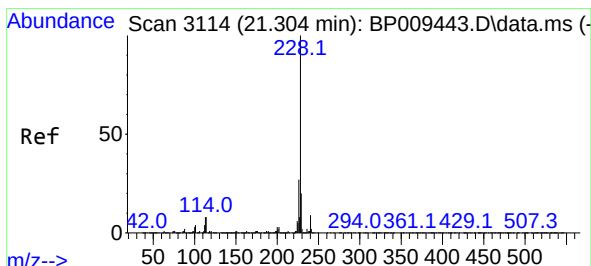
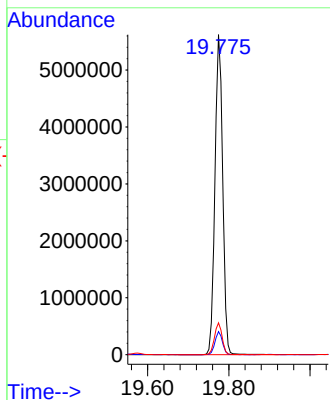
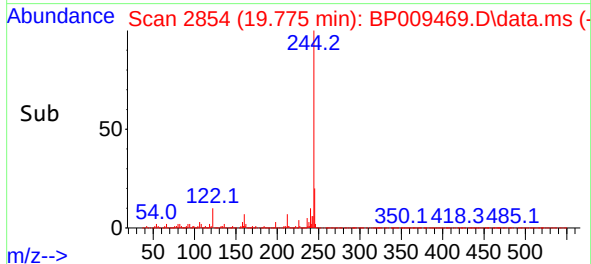
Instrument :
BNA_P
ClientSampleId :
124035



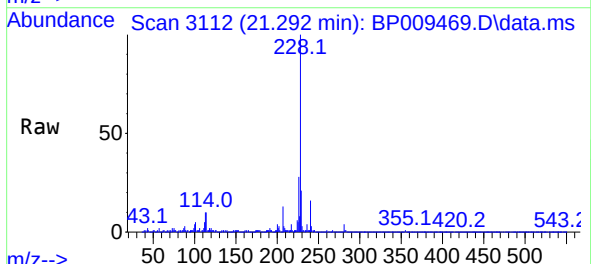
Tgt Ion:244 Resp: 738874
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 9.9 8.3 12.5

Manual Integrations
APPROVED

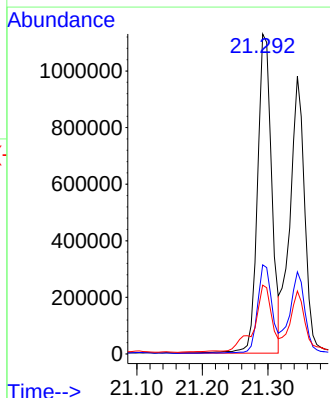
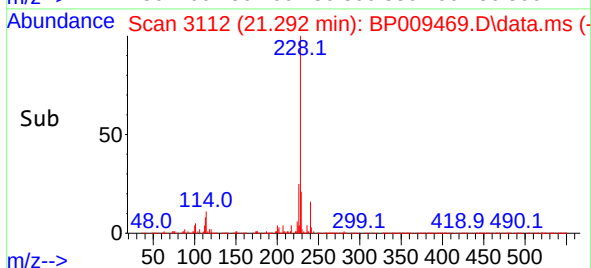
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

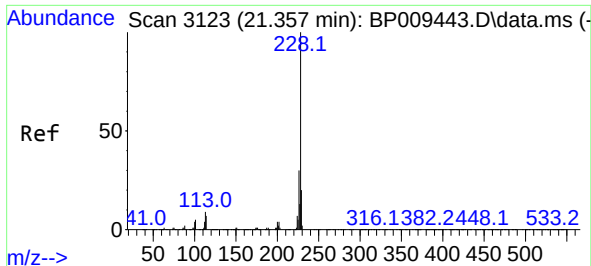


#81
Benzo(a)anthracene
Concen: 12.644 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23



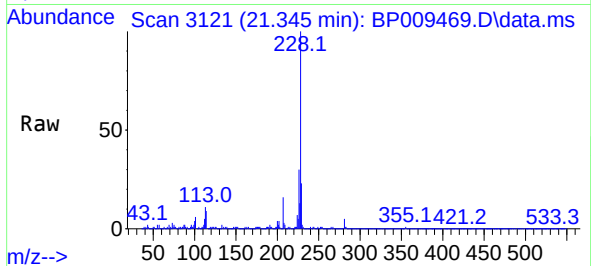
Tgt Ion:228 Resp: 1686265
Ion Ratio Lower Upper
228 100
226 27.9 22.0 33.0
229 21.5 16.1 24.1





#83
Chrysene
Concen: 11.933 ng
RT: 21.345 min Scan# 3123
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

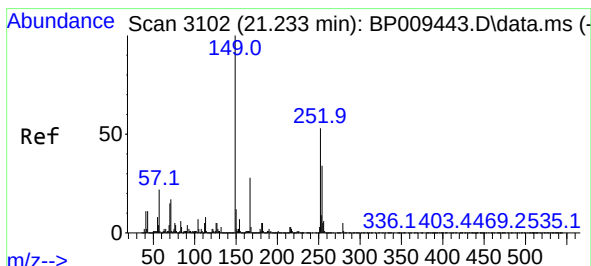
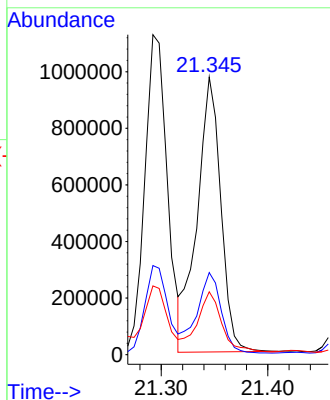
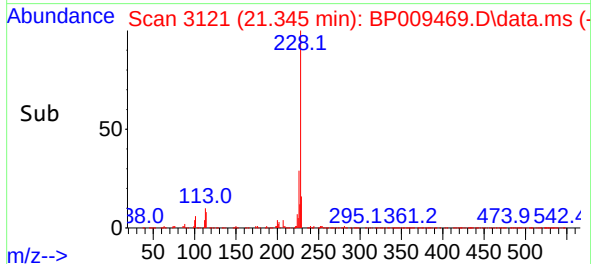
Instrument :
BNA_P
ClientSampleId :
124035



Tgt Ion:228 Resp: 150704
Ion Ratio Lower Upper
228 100
226 29.6 24.2 36.2
229 22.7 16.1 24.1

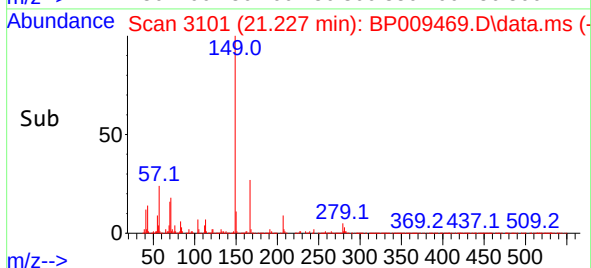
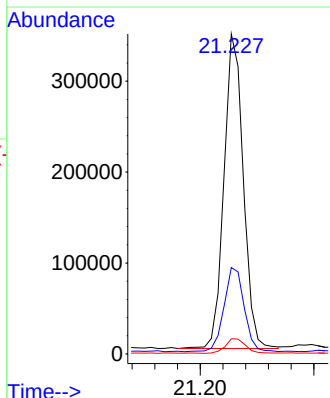
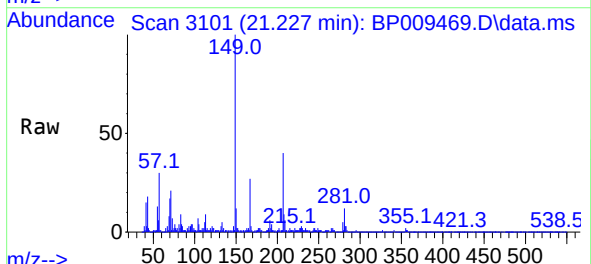
Manual Integrations
APPROVED

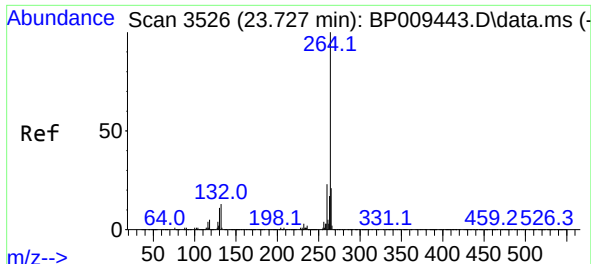
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.148 ng
RT: 21.227 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion:149 Resp: 407978
Ion Ratio Lower Upper
149 100
167 27.0 22.6 33.8
279 4.7 3.8 5.6





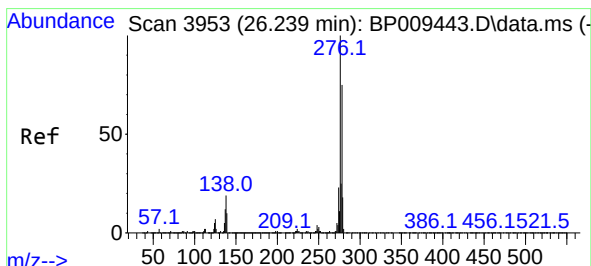
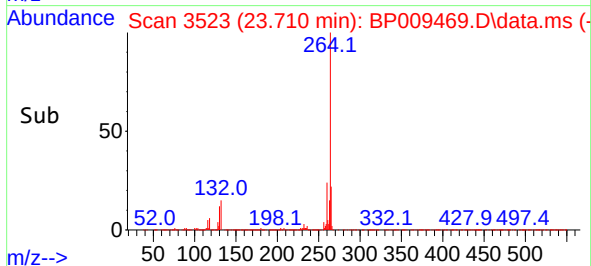
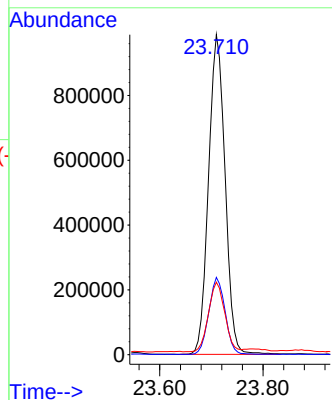
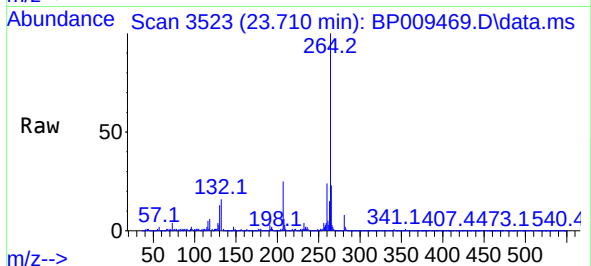
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.710 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Instrument :
BNA_P
ClientSampleId :
124035

Tgt Ion:264 Resp: 2192694
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.0
265 22.7 17.2 25.8

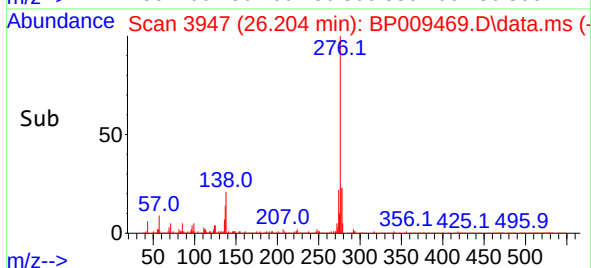
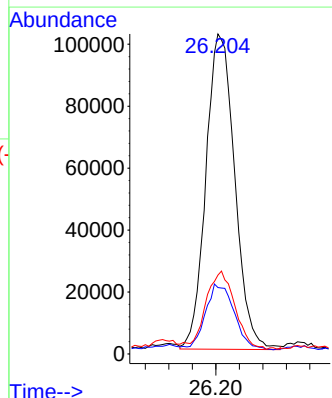
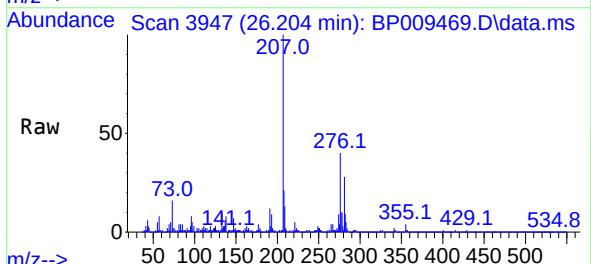
Manual Integrations
APPROVED

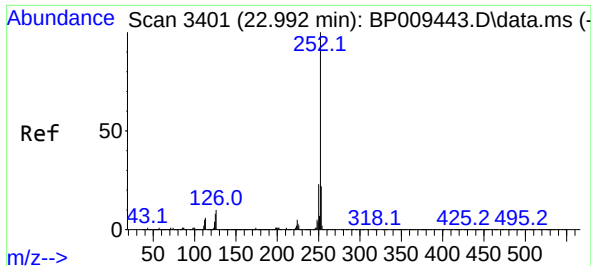
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.090 ng
RT: 26.204 min Scan# 3947
Delta R.T. -0.035 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

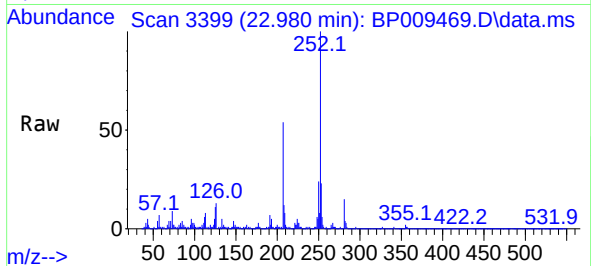
Tgt Ion:276 Resp: 347646
Ion Ratio Lower Upper
276 100
138 20.8 20.5 30.7
277 24.7 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 8.543 ng
RT: 22.980 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

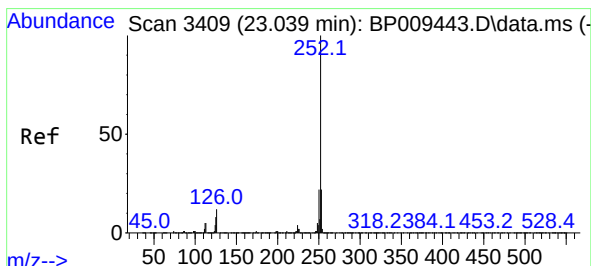
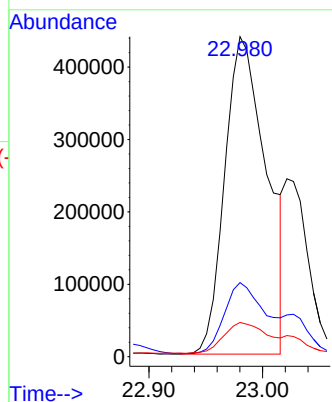
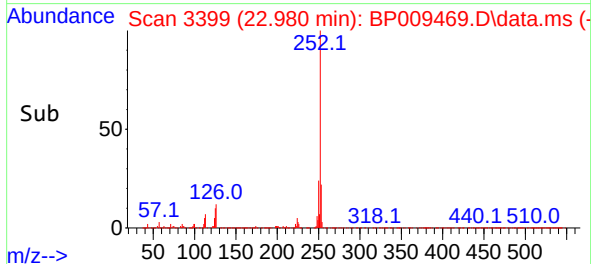
Instrument :
BNA_P
ClientSampleId :
124035



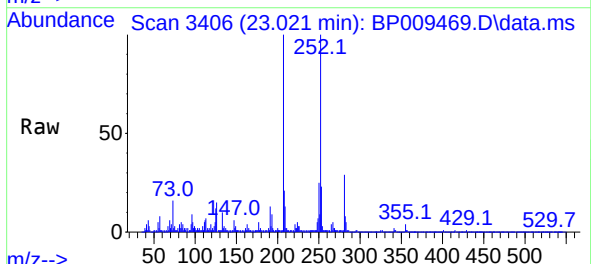
Tgt Ion:252 Resp: 111819
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.7 8.1 12.1

Manual Integrations
APPROVED

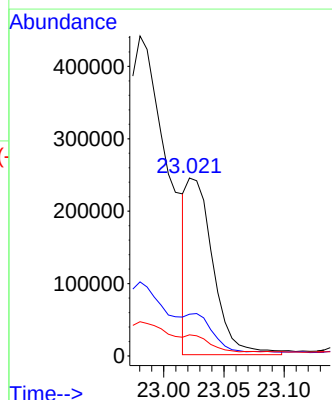
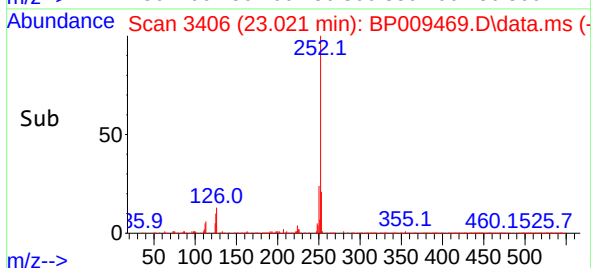
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

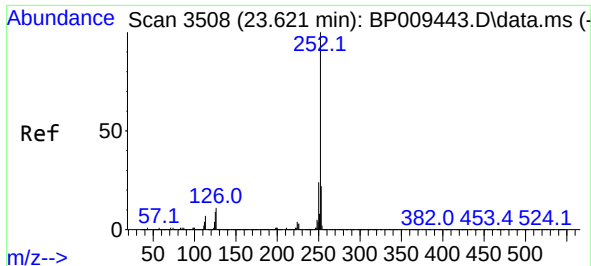


#89
Benzo(k)fluoranthene
Concen: 2.900 ng m
RT: 23.021 min Scan# 3406
Delta R.T. -0.018 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23



Tgt Ion:252 Resp: 371722
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 11.9 8.3 12.5





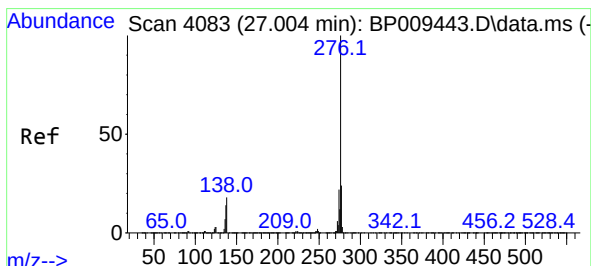
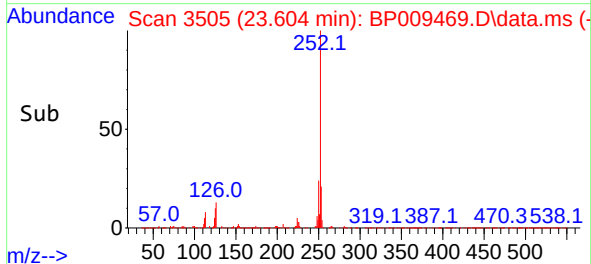
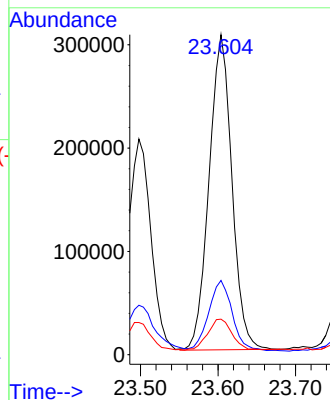
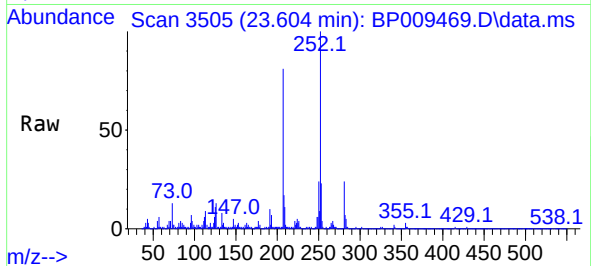
#90
Benzo(a)pyrene
Concen: 5.575 ng
RT: 23.604 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Instrument :
BNA_P
ClientSampleId :
124035

Tgt Ion:252 Resp: 624334
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 11.1 9.3 13.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#92
Benzo(g,h,i)perylene
Concen: 2.414 ng
RT: 26.974 min Scan# 4078
Delta R.T. -0.030 min
Lab File: BP009469.D
Acq: 21 Mar 2022 14:23

Tgt Ion:276 Resp: 329286
Ion Ratio Lower Upper
276 100
277 24.2 19.2 28.8
138 19.8 18.0 27.0

