

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
 Data File : BP009515.D
 Acq On : 23 Mar 2022 20:19
 Operator : CG/JU
 Sample : N2070-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-212

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/24/2022
 Supervised By : Jagrut Upadhyay 03/24/2022

Quant Time: Mar 24 01:22:11 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 24 01:19:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	458868	20.000	ng	0.00
21) Naphthalene-d8	10.581	136	1963583	20.000	ng	0.00
39) Acenaphthene-d10	14.434	164	1325913	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	2846908	20.000	ng	0.00
76) Chrysene-d12	21.310	240	2451027	20.000	ng	0.00
86) Perylene-d12	23.710	264	2110631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2980990	113.423	ng	0.00
7) Phenol-d6	6.975	99	3973389	111.792	ng	0.00
23) Nitrobenzene-d5	8.946	82	2527506	68.402	ng	0.00
42) 2,4,6-Tribromophenol	15.934	330	2069979	94.607	ng	0.00
45) 2-Fluorobiphenyl	13.051	172	6044000	63.192	ng	0.00
79) Terphenyl-d14	19.775	244	9575702	70.123	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.234	178	664257	4.359	ng	99
75) Fluoranthene	19.216	202	2998206	16.251	ng	99
78) Pyrene	19.575	202	2891028	17.900	ng	100
81) Benzo(a)anthracene	21.292	228	1439820	8.941	ng	98
83) Chrysene	21.345	228	1470794	9.646	ng	98
87) Indeno(1,2,3-cd)pyrene	26.210	276	483270	3.018	ng	# 93
88) Benzo(b)fluoranthene	22.986	252	1605549m	12.743	ng	
89) Benzo(k)fluoranthene	23.022	252	454671m	3.686	ng	
90) Benzo(a)pyrene	23.604	252	845854	7.846	ng	98
92) Benzo(g,h,i)perylene	26.974	276	442452	3.370	ng	99

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

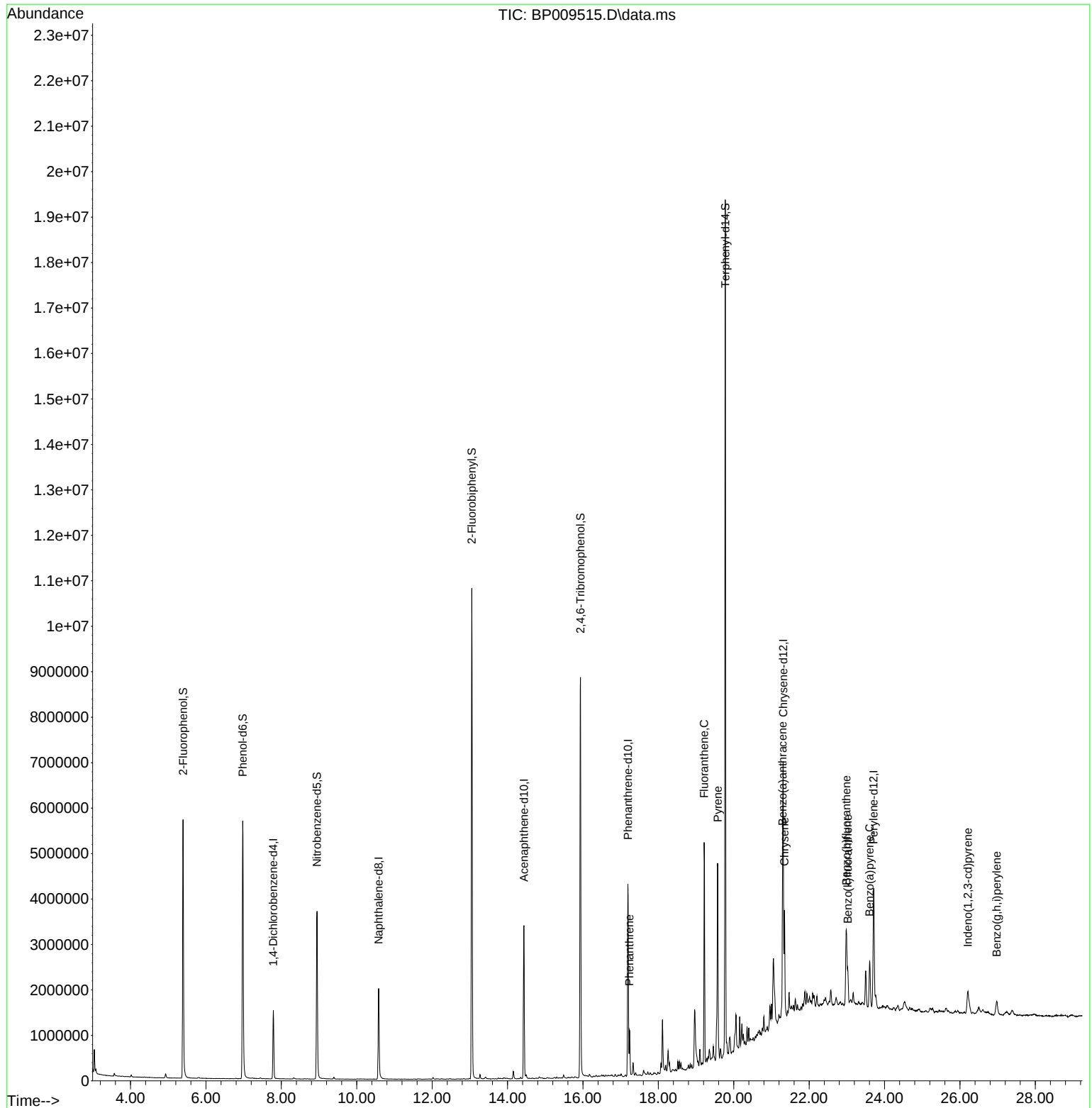
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009515.D
Acq On : 23 Mar 2022 20:19
Operator : CG/JU
Sample : N2070-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

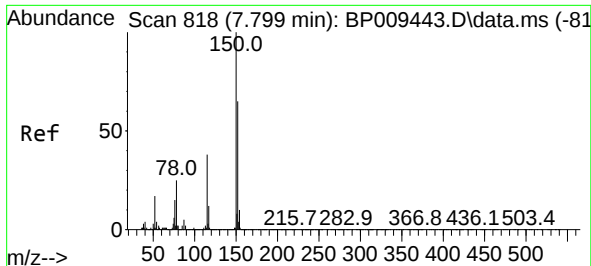
Instrument :
BNA_P
ClientSampleId :
VNJ-212

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022

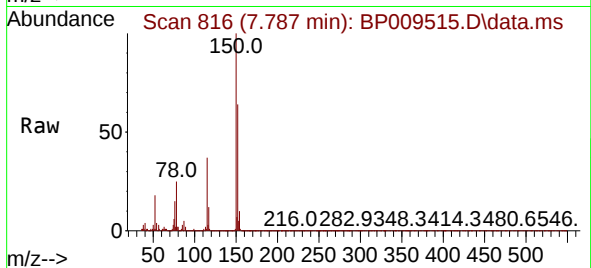
Quant Time: Mar 24 01:22:11 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 24 01:19:11 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

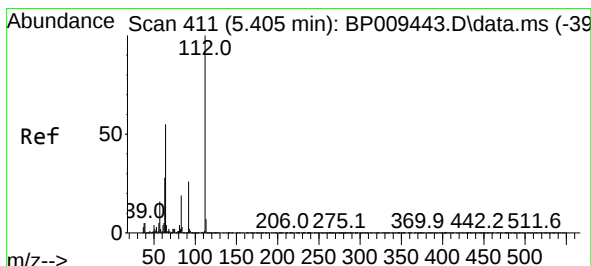
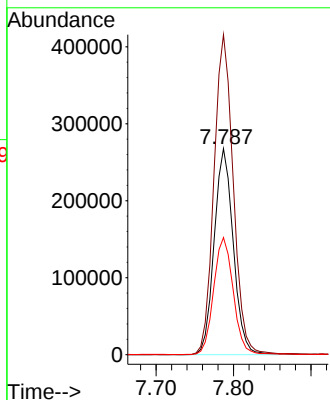
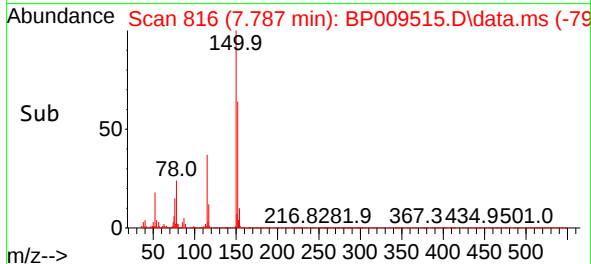
Instrument :
BNA_P
ClientSampleId :
VNJ-212



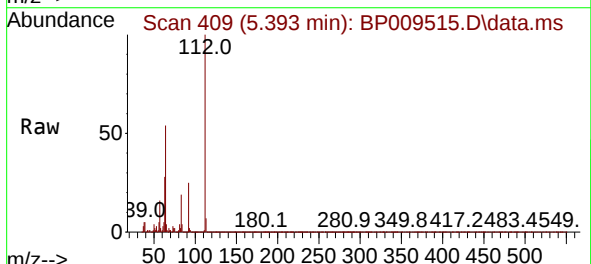
Tgt Ion:152 Resp: 45886
Ion Ratio Lower Upper
152 100
150 155.3 124.5 186.7
115 56.9 48.2 72.4

Manual Integrations
APPROVED

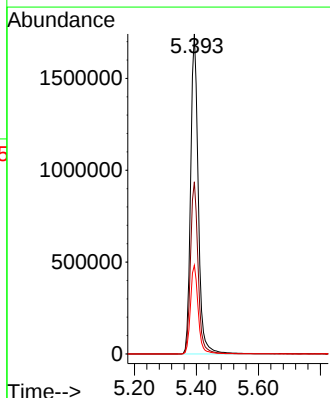
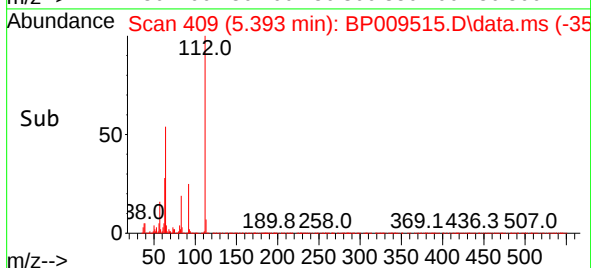
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#5
2-Fluorophenol
Concen: 113.423 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19



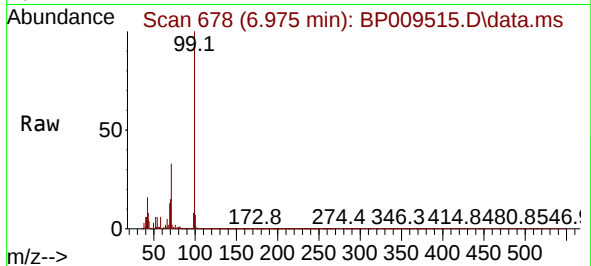
Tgt Ion:112 Resp: 2980990
Ion Ratio Lower Upper
112 100
64 53.8 45.0 67.4
63 27.7 23.0 34.6





#7
Phenol-d6
Concen: 111.792 ng
RT: 6.975 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

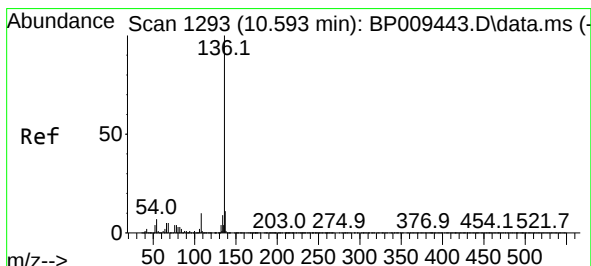
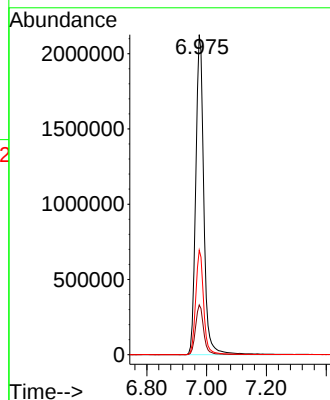
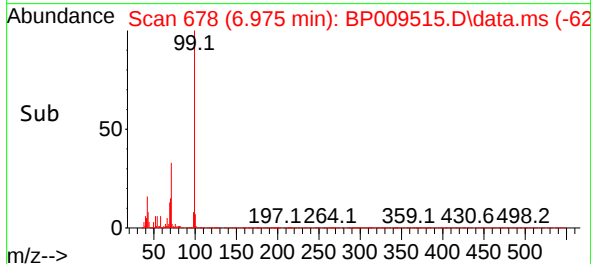
Instrument :
BNA_P
ClientSampleId :
VNJ-212



Tgt Ion: 99 Resp: 3973389
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 32.7 26.3 39.5

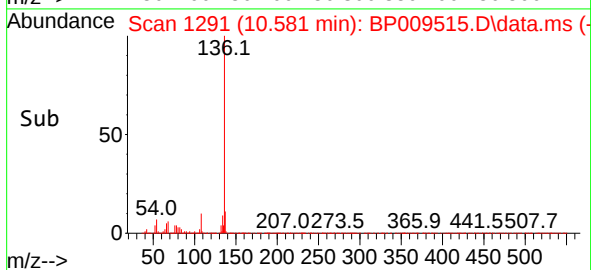
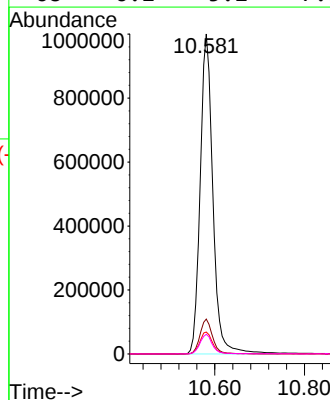
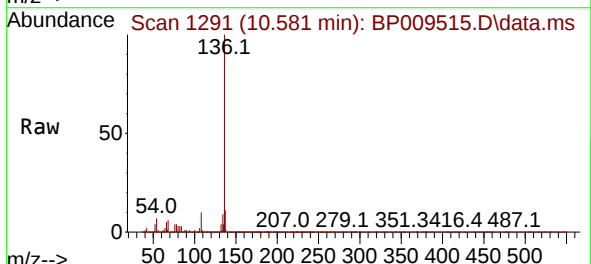
Manual Integrations
APPROVED

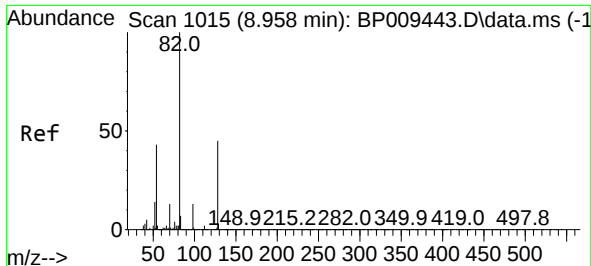
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

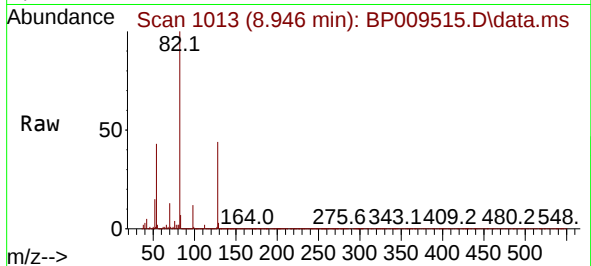
Tgt Ion:136 Resp: 1963583
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.8 5.8 8.8
68 6.2 5.2 7.8





#23
Nitrobenzene-d5
Concen: 68.402 ng
RT: 8.946 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

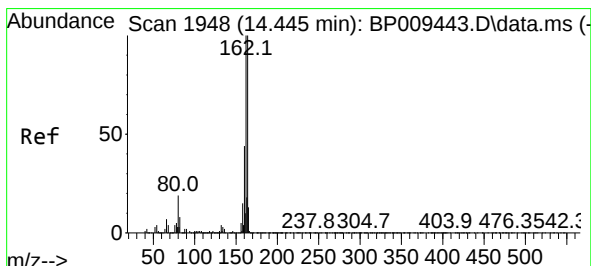
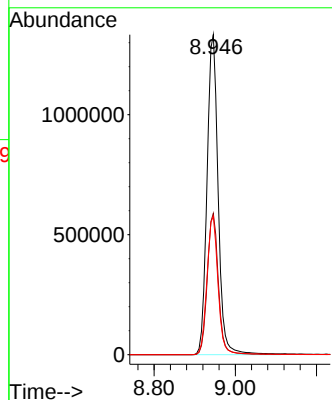
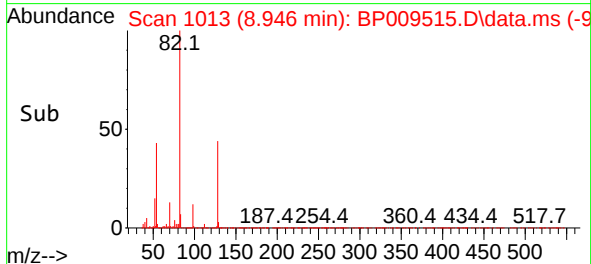
Instrument :
BNA_P
ClientSampleId :
VNJ-212



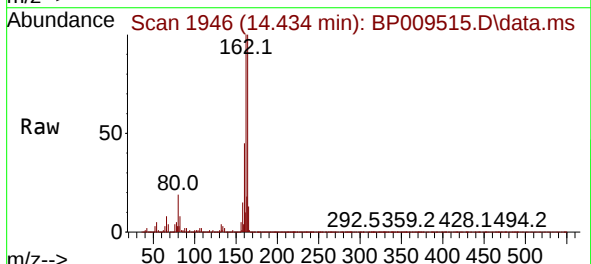
Tgt Ion: 82 Resp: 2527500
Ion Ratio Lower Upper
82 100
128 44.2 34.2 51.4
54 43.3 34.7 52.1

Manual Integrations
APPROVED

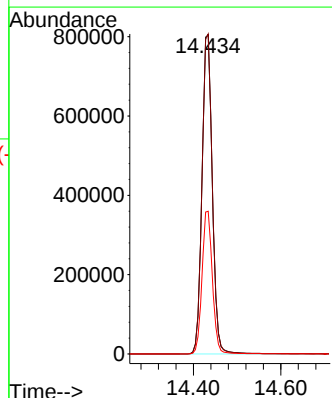
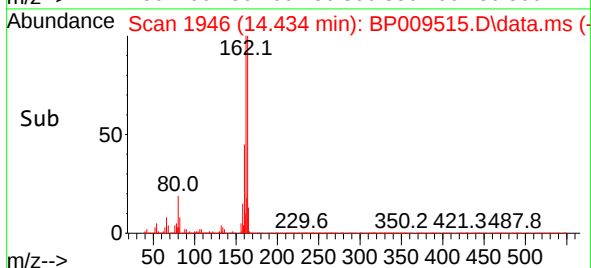
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

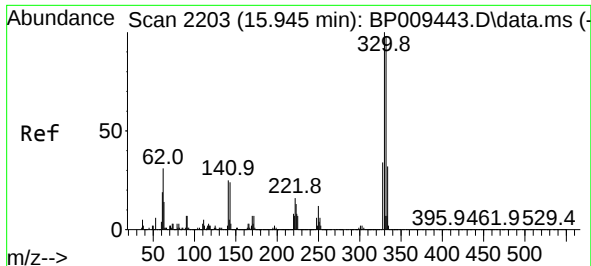


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.434 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19



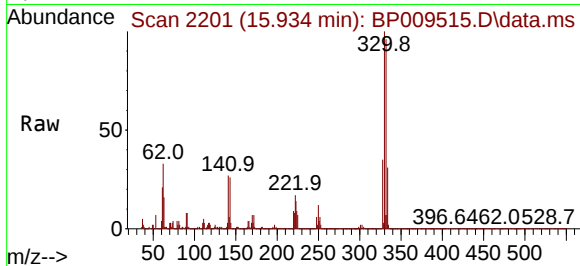
Tgt Ion:164 Resp: 1325913
Ion Ratio Lower Upper
164 100
162 100.3 79.1 118.7
160 44.7 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 94.607 ng
RT: 15.934 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

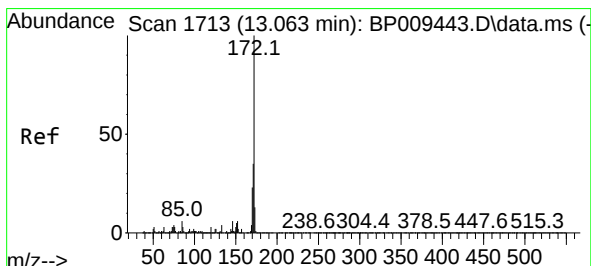
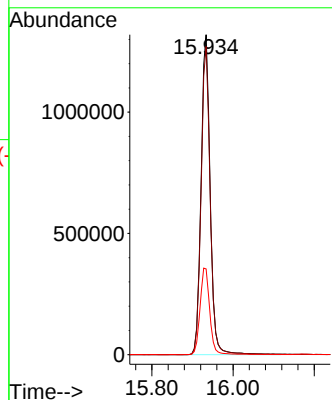
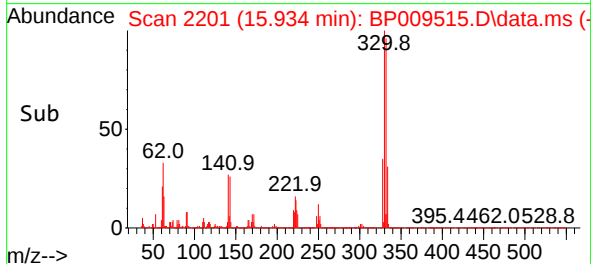
Instrument :
BNA_P
Client SampleId :
VNJ-212



Tgt Ion: 330 Resp: 2069979
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 28.8 27.6 41.4

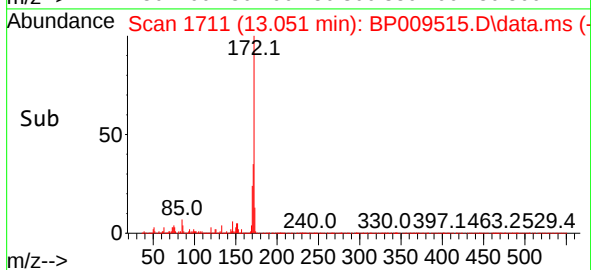
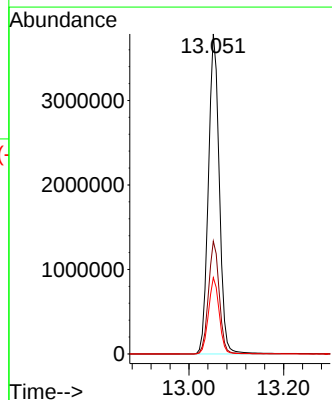
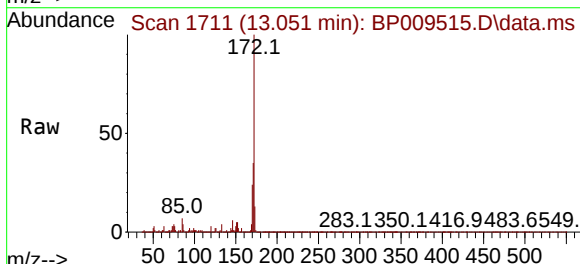
Manual Integrations
APPROVED

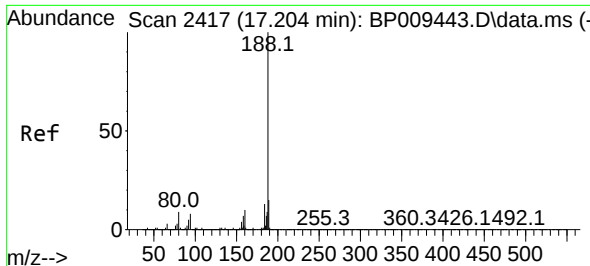
Reviewed By : Christian Giraldo 03/24/2022
Supervised By : Jagrut Upadhyay 03/24/2022



#45
2-Fluorobiphenyl
Concen: 63.192 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

Tgt Ion: 172 Resp: 6044000
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.8 18.6 27.8





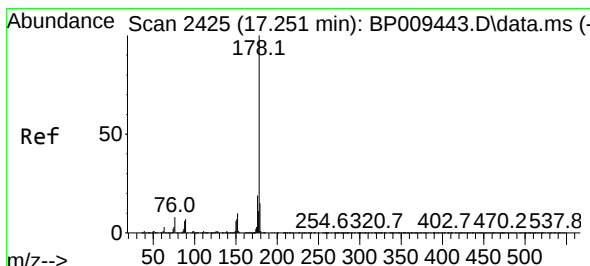
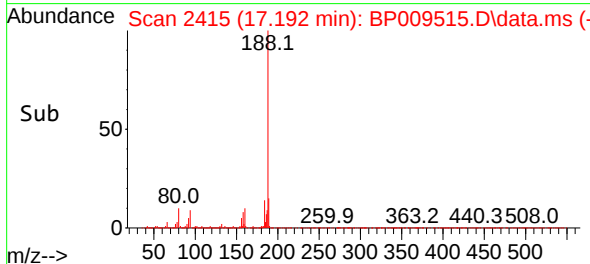
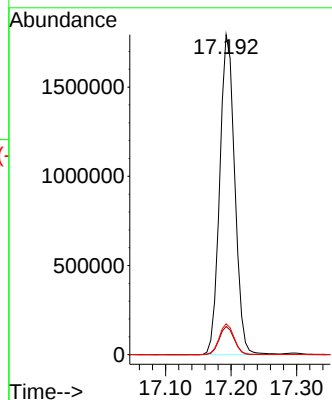
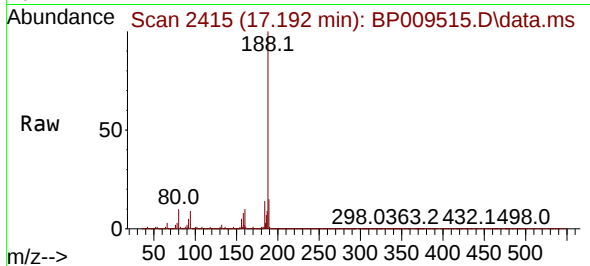
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

Instrument :
BNA_P
ClientSampleId :
VNJ-212

Tgt Ion:188 Resp: 2846908
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 9.6 8.8 13.2

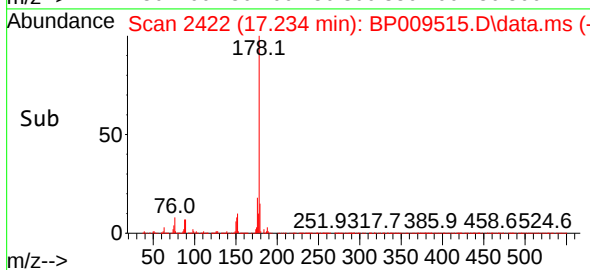
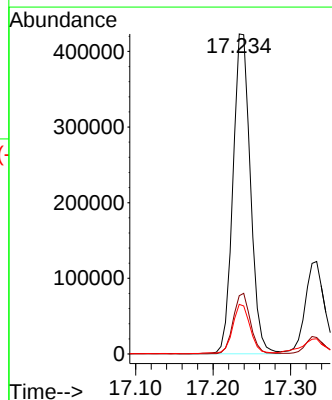
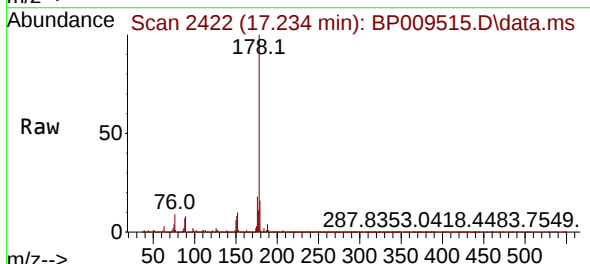
Manual Integrations
APPROVED

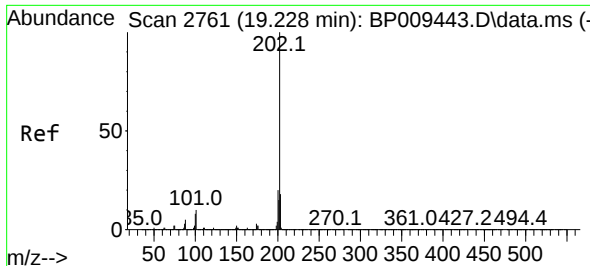
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#71
Phenanthrene
Concen: 4.359 ng
RT: 17.234 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

Tgt Ion:178 Resp: 664257
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 15.5 12.3 18.5





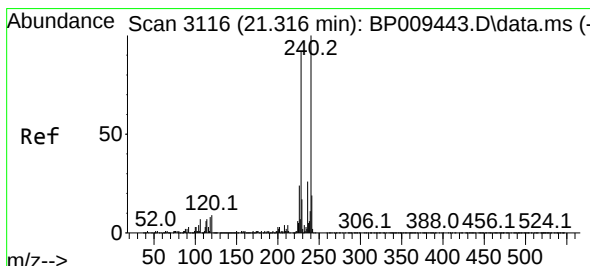
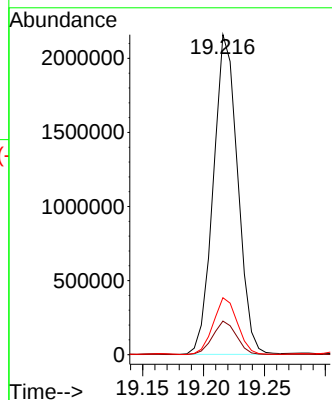
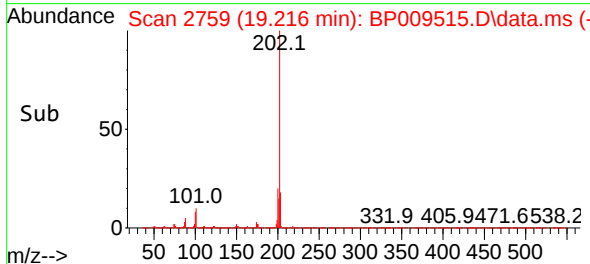
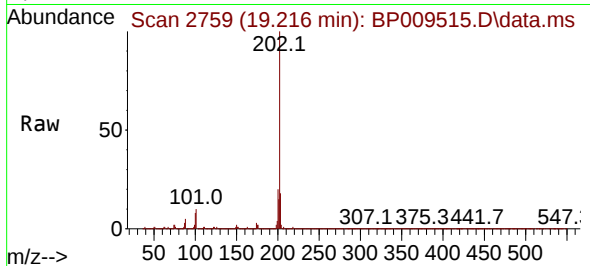
#75
Fluoranthene
Concen: 16.251 ng
RT: 19.216 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

Instrument :
BNA_P
ClientSampleId :
VNJ-212

Tgt Ion:202 Resp: 2998200
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.5
203 17.8 0.0 37.8

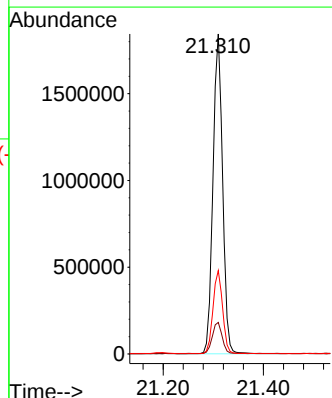
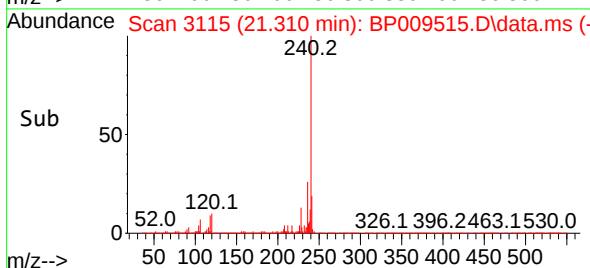
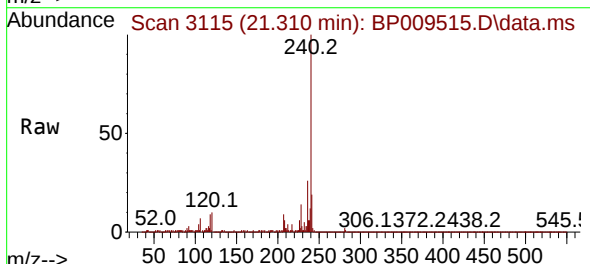
Manual Integrations
APPROVED

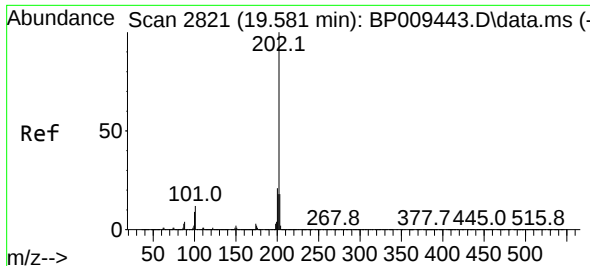
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

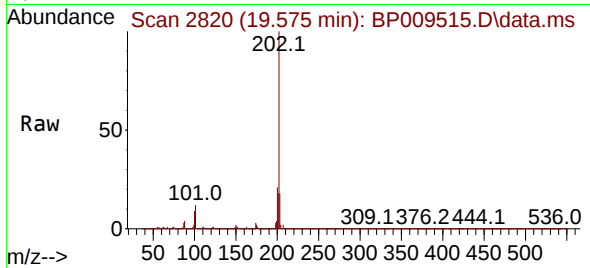
Tgt Ion:240 Resp: 2451027
Ion Ratio Lower Upper
240 100
120 9.9 9.0 13.4
236 26.1 20.6 30.8





#78
 Pyrene
 Concen: 17.900 ng
 RT: 19.575 min Scan# 2820
 Delta R.T. 0.000 min
 Lab File: BP009515.D
 Acq: 23 Mar 2022 20:19

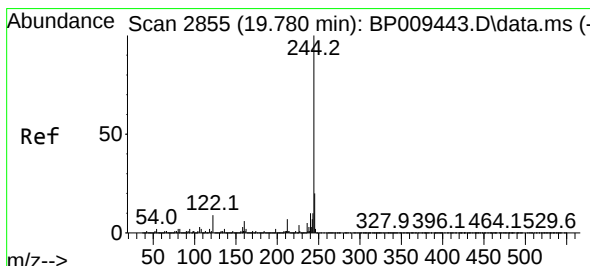
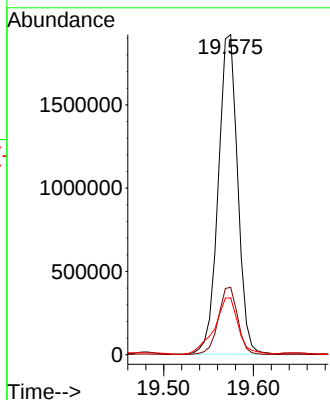
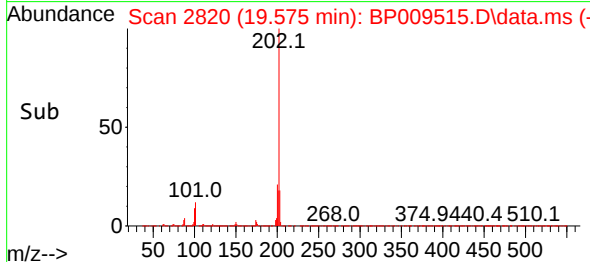
Instrument :
 BNA_P
 ClientSampleId :
 VNJ-212



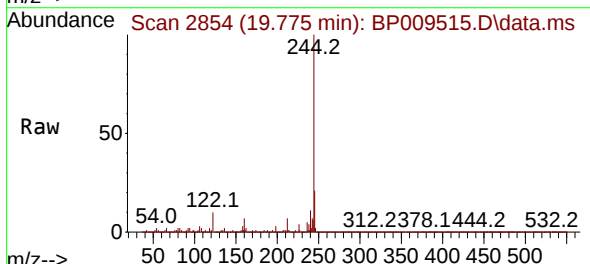
Tgt Ion:202 Resp: 2891028
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.8 25.2
 203 17.8 14.2 21.4

Manual Integrations
 APPROVED

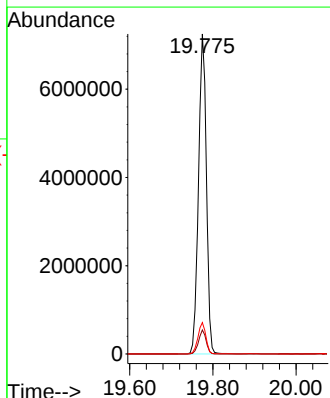
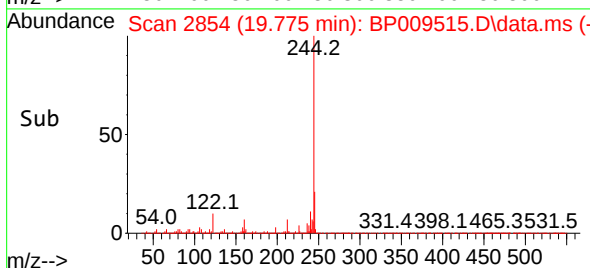
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022

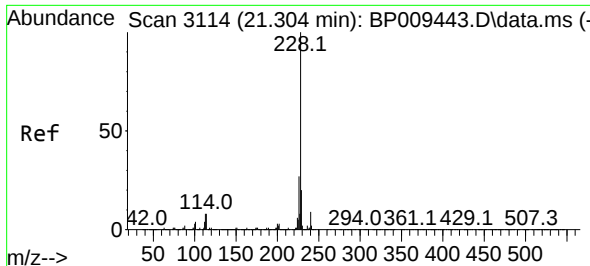


#79
 Terphenyl-d14
 Concen: 70.123 ng
 RT: 19.775 min Scan# 2854
 Delta R.T. -0.006 min
 Lab File: BP009515.D
 Acq: 23 Mar 2022 20:19



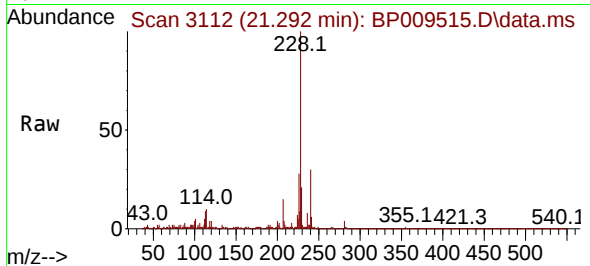
Tgt Ion:244 Resp: 9575702
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.6
 122 9.8 8.3 12.5





#81
Benzo(a)anthracene
Concen: 8.941 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

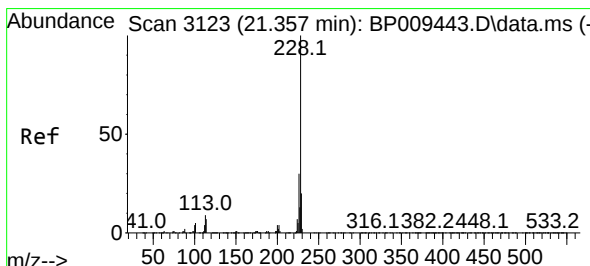
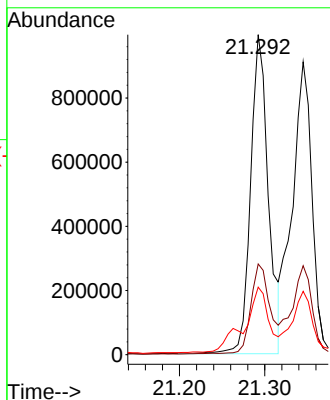
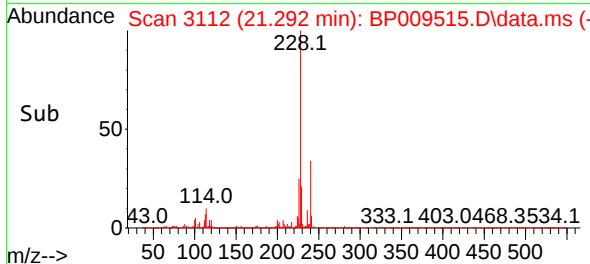
Instrument :
BNA_P
ClientSampleId :
VNJ-212



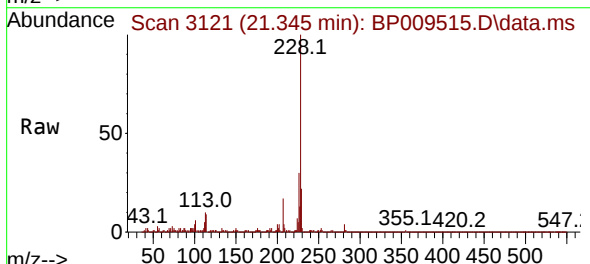
Tgt Ion:228 Resp: 1439820
Ion Ratio Lower Upper
228 100
226 28.3 22.0 33.0
229 21.1 16.1 24.1

Manual Integrations
APPROVED

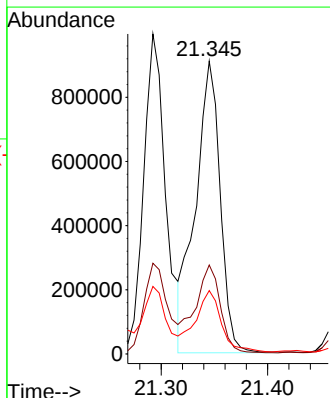
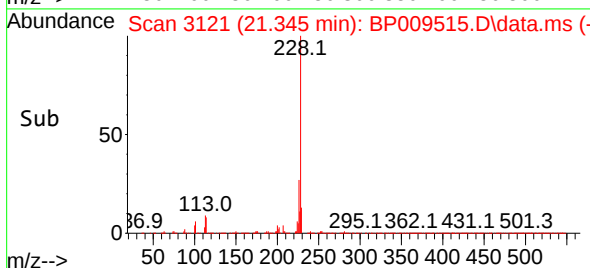
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

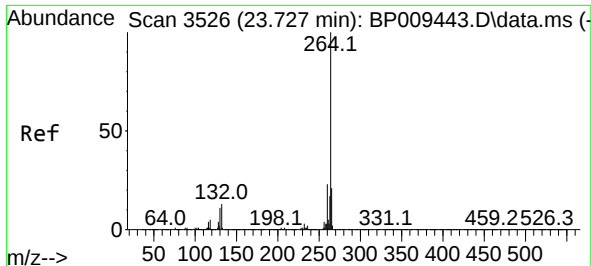


#83
Chrysene
Concen: 9.646 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19



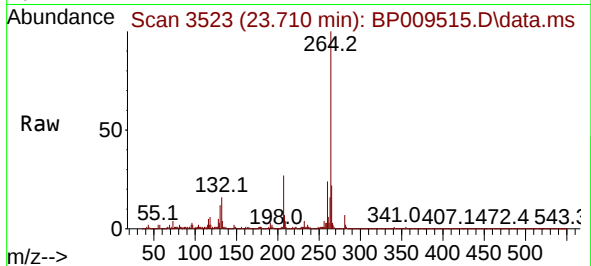
Tgt Ion:228 Resp: 1470794
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 21.6 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.710 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

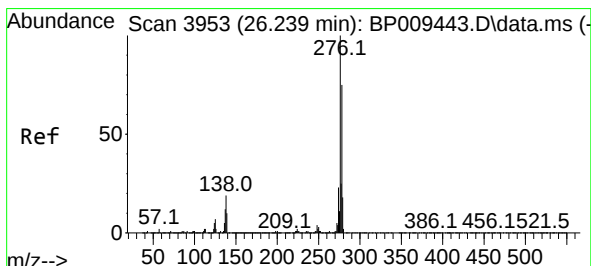
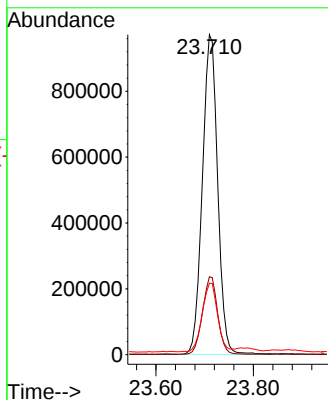
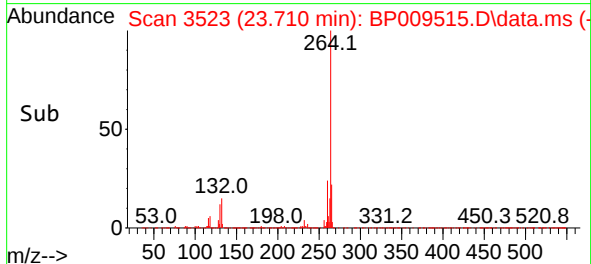
Instrument :
BNA_P
ClientSampleId :
VNJ-212



Tgt Ion:264 Resp: 211063
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.0
265 22.4 17.2 25.8

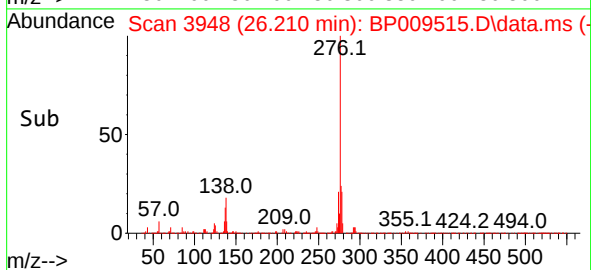
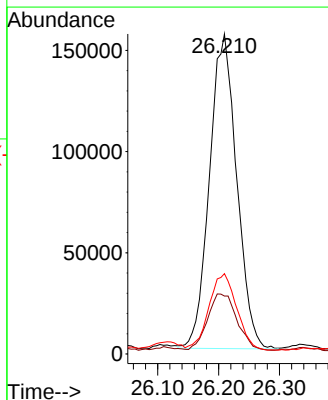
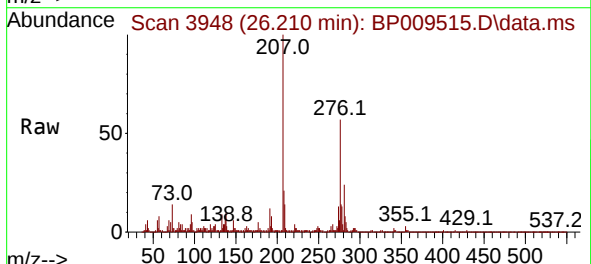
Manual Integrations
APPROVED

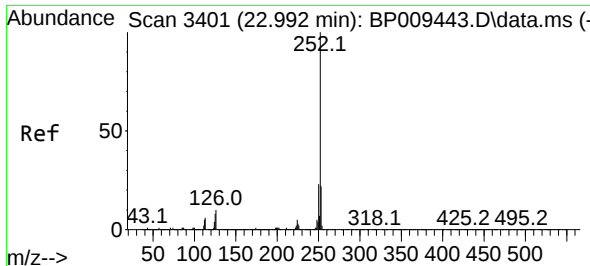
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.018 ng
RT: 26.210 min Scan# 3948
Delta R.T. -0.017 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

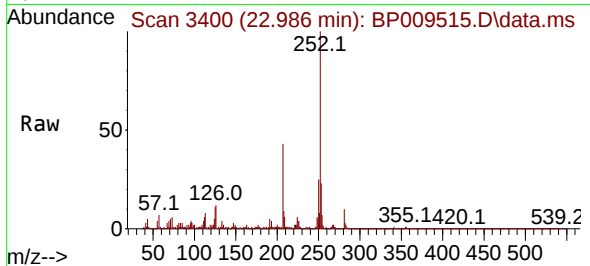
Tgt Ion:276 Resp: 483270
Ion Ratio Lower Upper
276 100
138 19.5 20.5 30.7#
277 24.6 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 12.743 ng m
RT: 22.986 min Scan# 3400
Delta R.T. 0.000 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

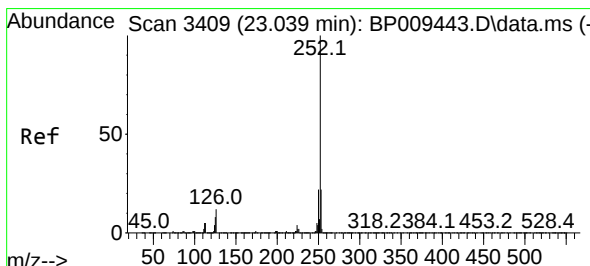
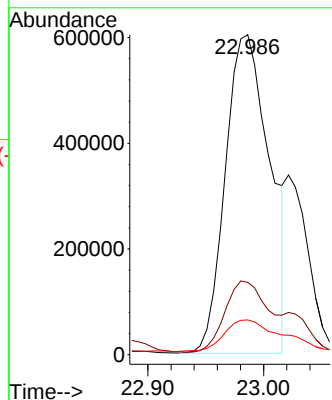
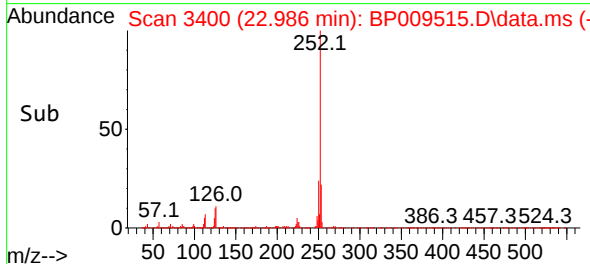
Instrument :
BNA_P
ClientSampleId :
VNJ-212



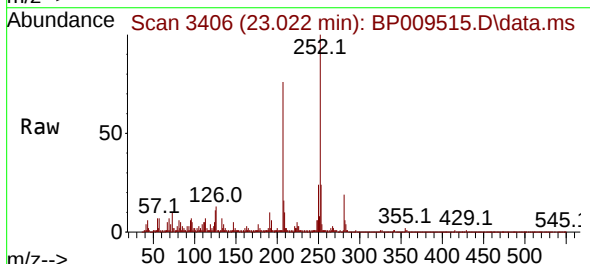
Tgt Ion:252 Resp: 1605549
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.8 8.1 12.1

Manual Integrations
APPROVED

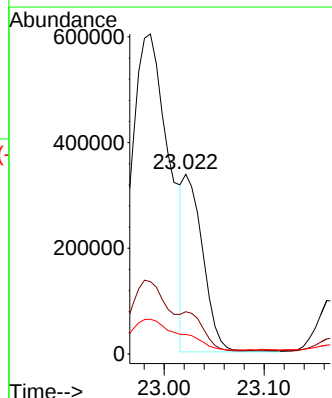
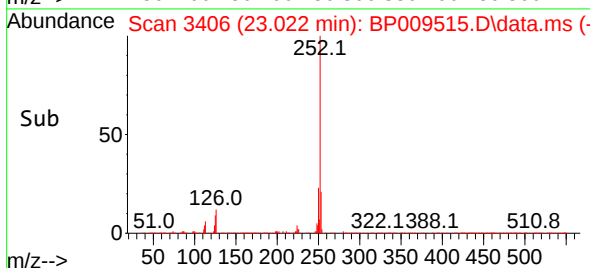
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

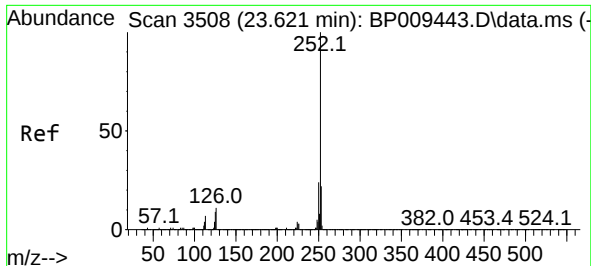


#89
Benzo(k)fluoranthene
Concen: 3.686 ng m
RT: 23.022 min Scan# 3406
Delta R.T. -0.017 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19



Tgt Ion:252 Resp: 454671
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.9 8.3 12.5





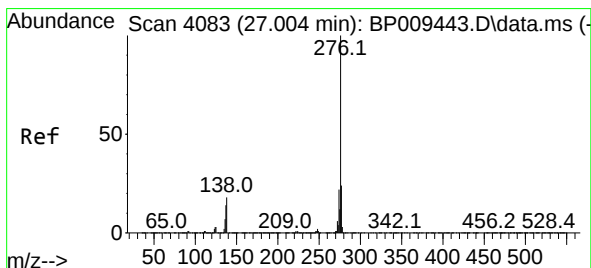
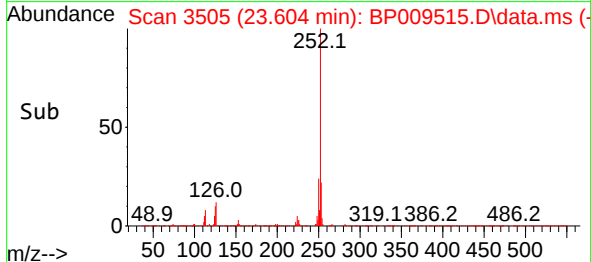
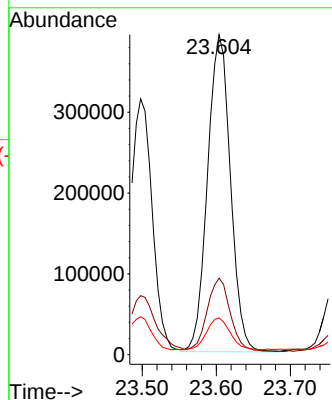
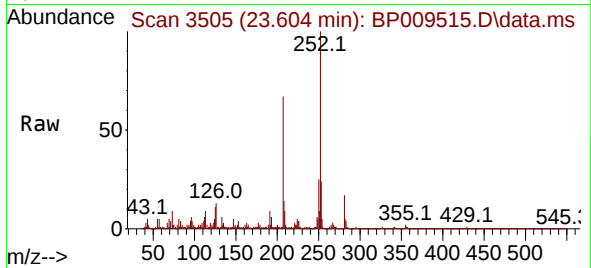
#90
Benzo(a)pyrene
Concen: 7.846 ng
RT: 23.604 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

Instrument :
BNA_P
ClientSampleId :
VNJ-212

Tgt Ion:252 Resp: 845854
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 11.5 9.3 13.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#92
Benzo(g,h,i)perylene
Concen: 3.370 ng
RT: 26.974 min Scan# 4078
Delta R.T. -0.011 min
Lab File: BP009515.D
Acq: 23 Mar 2022 20:19

Tgt Ion:276 Resp: 442452
Ion Ratio Lower Upper
276 100
277 23.9 19.2 28.8
138 21.4 18.0 27.0

