

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031522\
 Data File : BP009403.D
 Acq On : 15 Mar 2022 17:57
 Operator : CG/JU
 Sample : N1912-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-242

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/16/2022
 Supervised By : Jagrut Upadhyay 03/16/2022

Quant Time: Mar 16 01:57:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 01:55:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	286716	20.000	ng	-0.01
21) Naphthalene-d8	10.604	136	1164426	20.000	ng	-0.01
39) Acenaphthene-d10	14.451	164	754687	20.000	ng	-0.01
64) Phenanthrene-d10	17.216	188	1607745	20.000	ng	0.00
76) Chrysene-d12	21.322	240	1707787	20.000	ng	0.00
86) Perylene-d12	23.727	264	1899295	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1768595	90.040	ng	0.01
7) Phenol-d6	7.005	99	2220688	88.965	ng	0.02
23) Nitrobenzene-d5	8.963	82	1419825	67.159	ng	-0.01
42) 2,4,6-Tribromophenol	15.951	330	1211746	132.971	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	3450433	62.875	ng	-0.01
79) Terphenyl-d14	19.792	244	5686658	62.838	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.034	94	55829	2.160	ng	89
71) Phenanthrene	17.257	178	188567	2.041	ng	99
75) Fluoranthene	19.233	202	706183	6.622	ng	99
78) Pyrene	19.586	202	655928	5.689	ng	99
81) Benzo(a)anthracene	21.310	228	441416	3.813	ng	96
83) Chrysene	21.357	228	377580	3.360	ng	98
84) Bis(2-ethylhexyl)phtha...	21.245	149	318046	4.778	ng	# 99
87) Indeno(1,2,3-cd)pyrene	26.239	276	338230	2.292	ng	# 90
88) Benzo(b)fluoranthene	22.998	252	591130	4.610	ng	98
89) Benzo(k)fluoranthene	23.045	252	256882m	2.097	ng	
90) Benzo(a)pyrene	23.621	252	431290	3.546	ng	96
92) Benzo(g,h,i)perylene	27.004	276	339044	2.743	ng	94

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

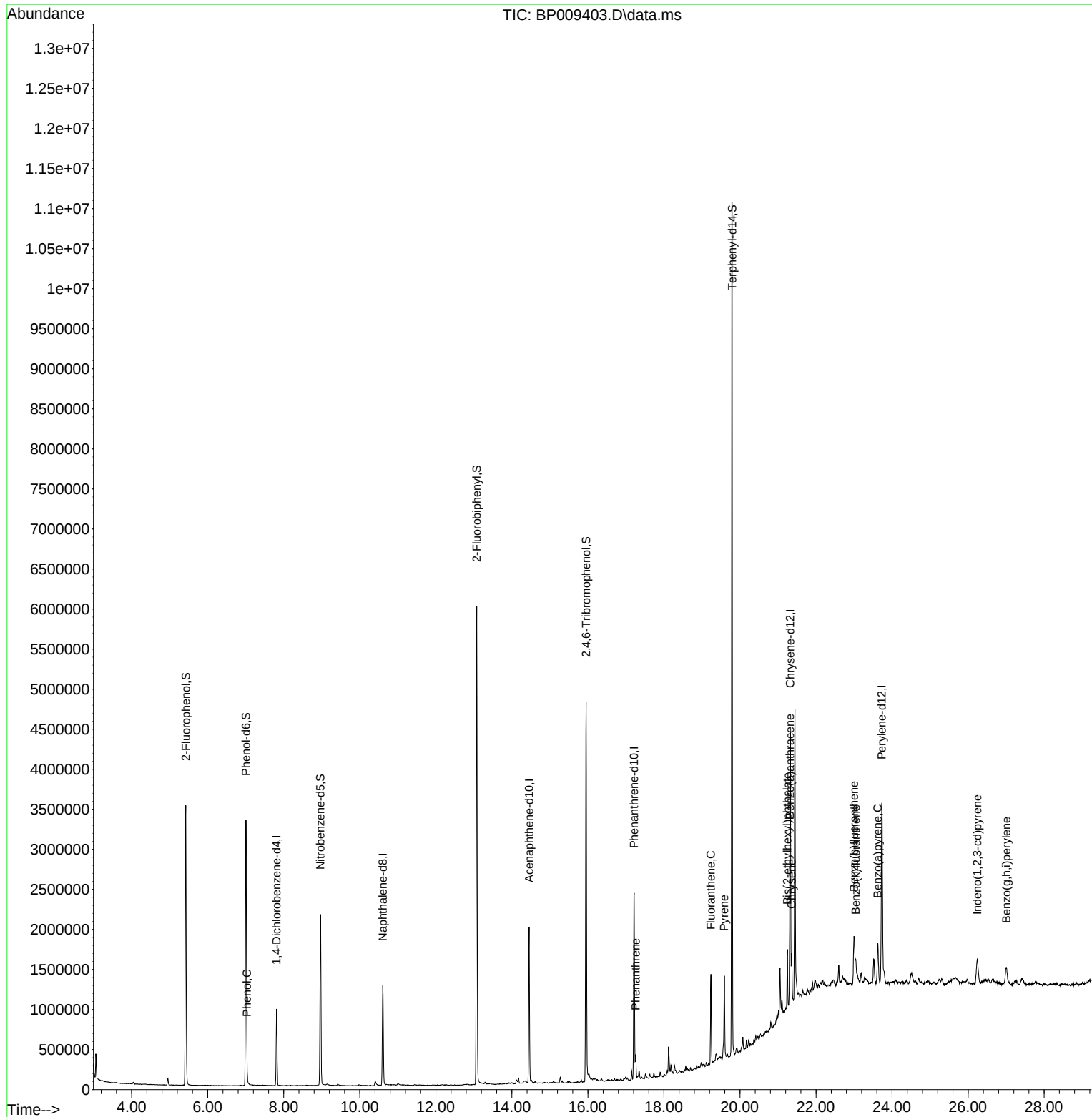
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031522\
Data File : BP009403.D
Acq On : 15 Mar 2022 17:57
Operator : CG/JU
Sample : N1912-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

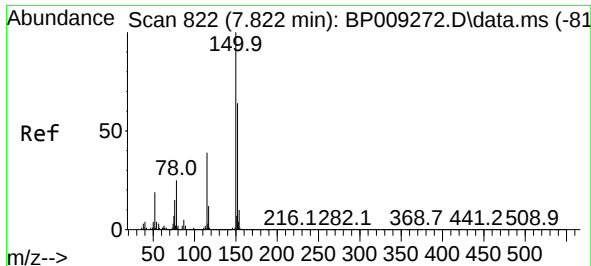
Instrument :
BNA_P
ClientSampleId :
VNJ-242

Quant Time: Mar 16 01:57:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 05 01:55:59 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

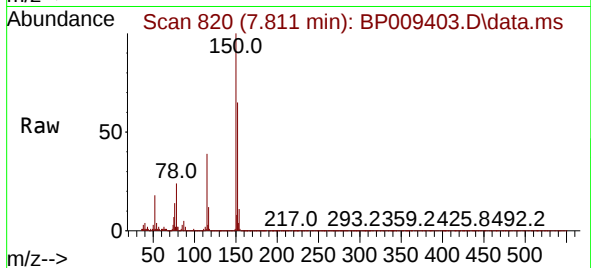
Reviewed By : Christian Giraldo 03/16/2022
Supervised By : Jagrut Upadhyay 03/16/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

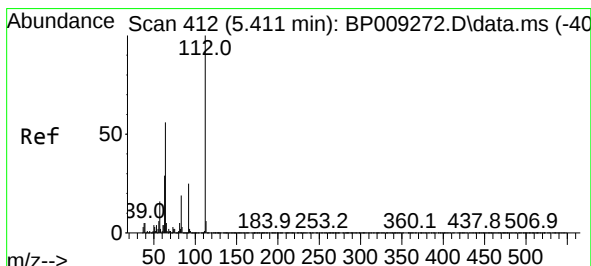
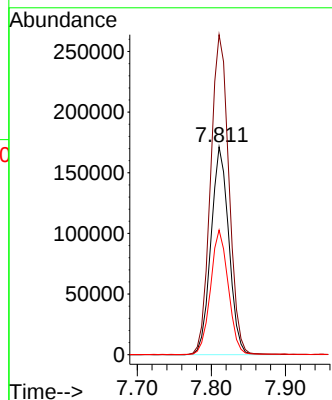
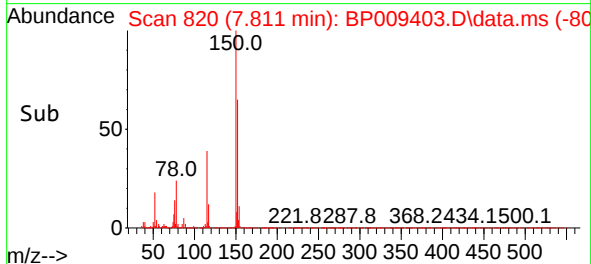
Instrument :
BNA_P
ClientSampleId :
VNJ-242



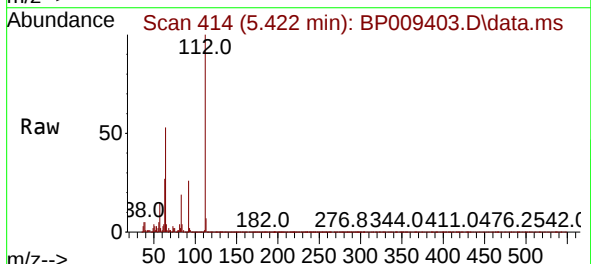
Tgt Ion:152 Resp: 286710
Ion Ratio Lower Upper
152 100
150 154.0 124.5 186.7
115 60.0 48.2 72.4

Manual Integrations
APPROVED

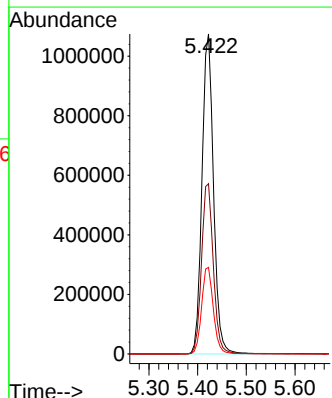
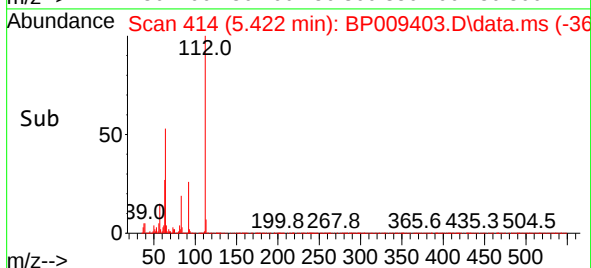
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#5
2-Fluorophenol
Concen: 90.040 ng
RT: 5.422 min Scan# 414
Delta R.T. 0.011 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57



Tgt Ion:112 Resp: 1768595
Ion Ratio Lower Upper
112 100
64 53.2 45.0 67.4
63 27.1 23.0 34.6





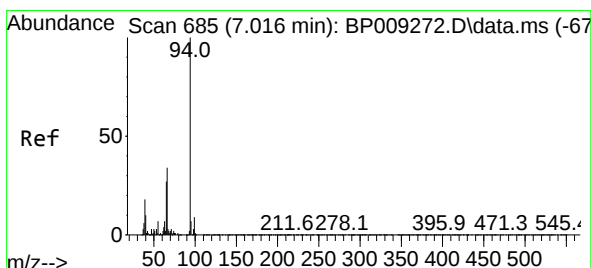
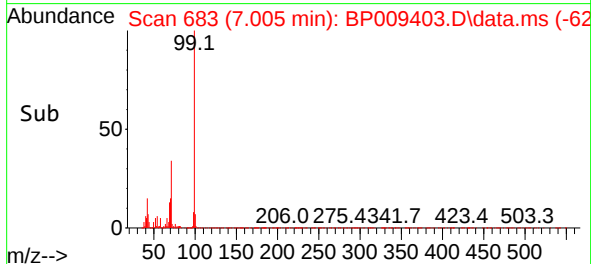
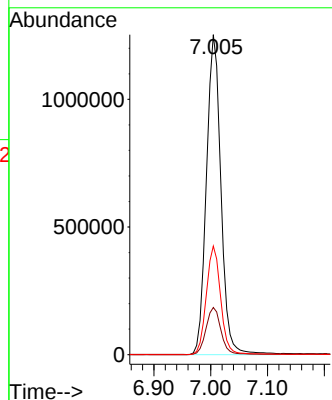
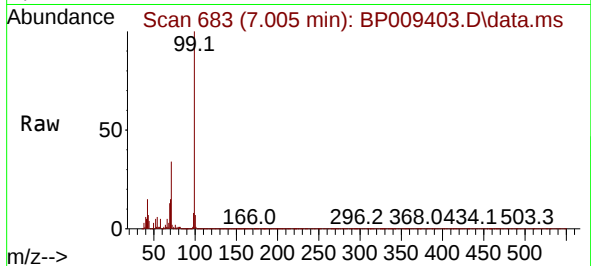
#7
Phenol-d6
Concen: 88.965 ng
RT: 7.005 min Scan# 680
Delta R.T. 0.018 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

Instrument :
BNA_P
ClientSampleId :
VNJ-242

Tgt Ion: 99 Resp: 222068
Ion Ratio Lower Upper
99 100
42 14.7 12.8 19.2
71 34.0 26.3 39.5

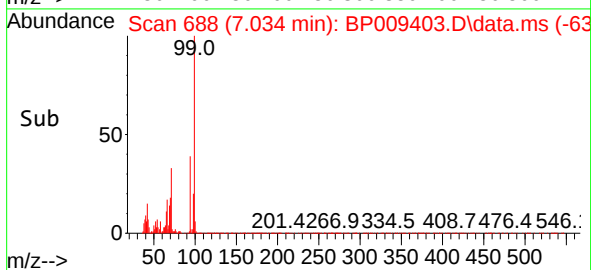
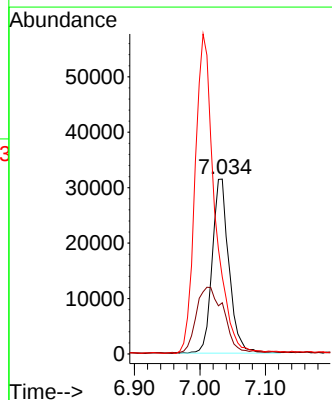
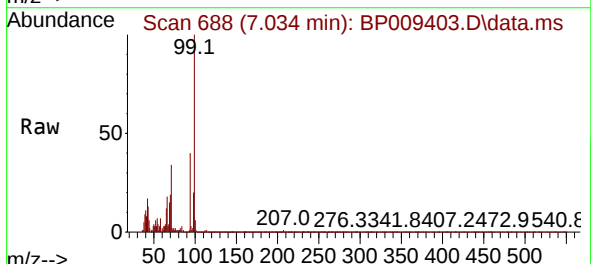
Manual Integrations
APPROVED

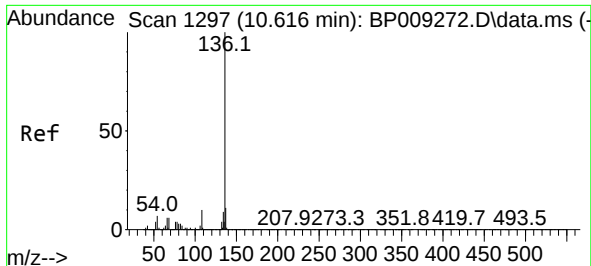
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#10
Phenol
Concen: 2.160 ng
RT: 7.034 min Scan# 688
Delta R.T. 0.018 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

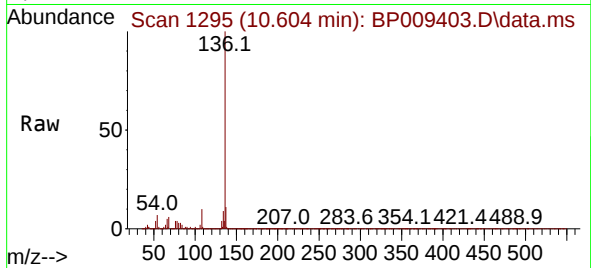
Tgt Ion: 94 Resp: 55829
Ion Ratio Lower Upper
94 100
65 29.3 7.2 47.2
66 44.0 14.3 54.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

Instrument :
BNA_P
ClientSampleId :
VNJ-242

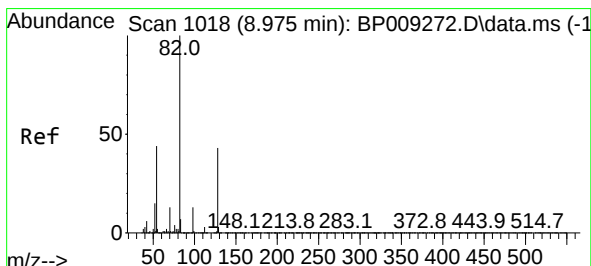
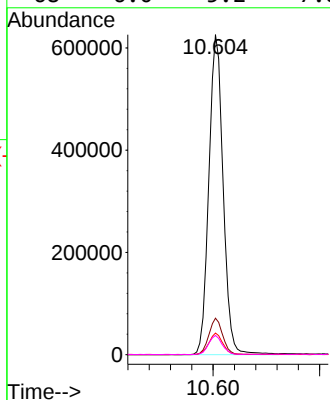
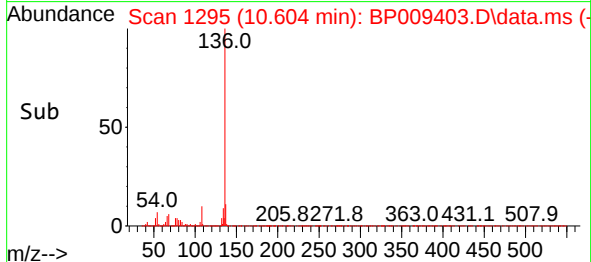


Tgt Ion: 136 Resp: 1164420

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	12.8
54	6.8	5.8	8.8
68	6.0	5.2	7.8

Manual Integrations
APPROVED

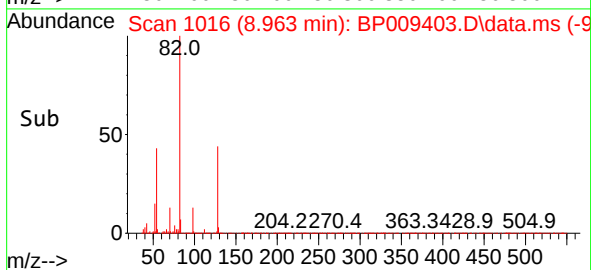
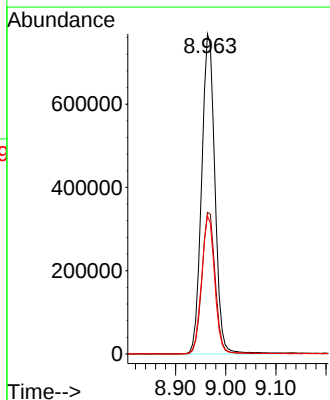
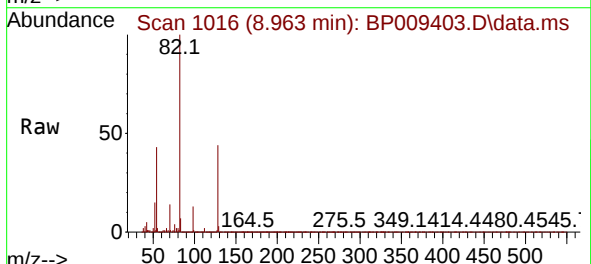
Reviewed By : Christian Giraldo 03/16/2022
Supervised By : Jagrut Upadhyay 03/16/2022

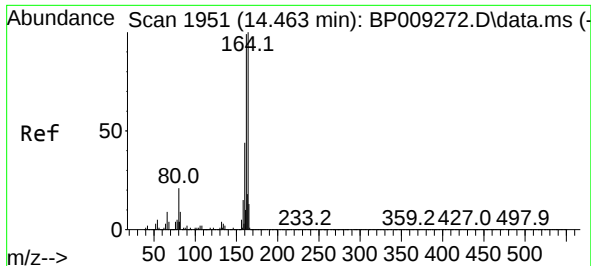


#23
Nitrobenzene-d5
Concen: 67.159 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

Tgt Ion: 82 Resp: 1419825

Ion	Ratio	Lower	Upper
82	100		
128	44.2	34.2	51.4
54	43.1	34.7	52.1





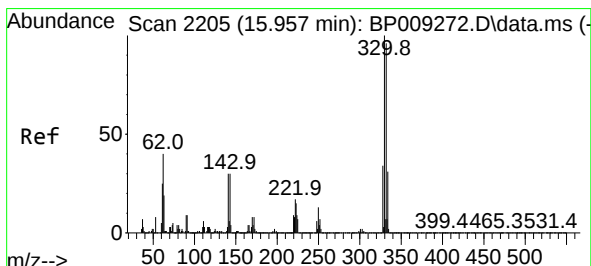
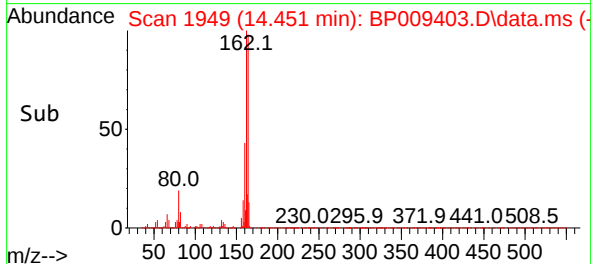
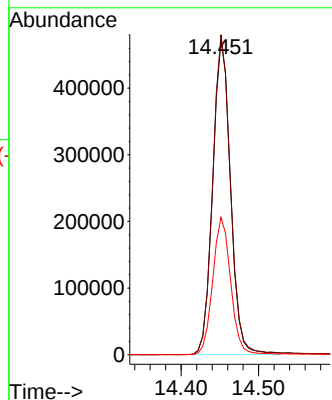
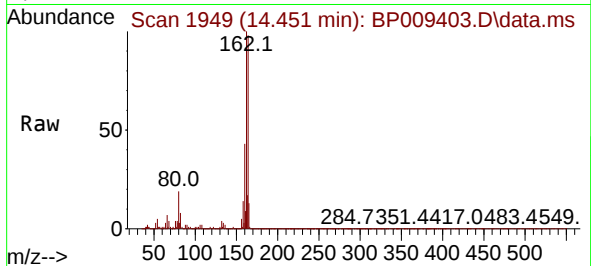
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

Instrument :
BNA_P
ClientSampleId :
VNJ-242

Tgt Ion:164 Resp: 75468
Ion Ratio Lower Upper
164 100
162 101.8 79.1 118.7
160 43.7 34.9 52.3

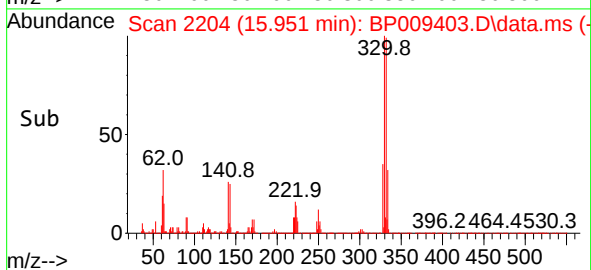
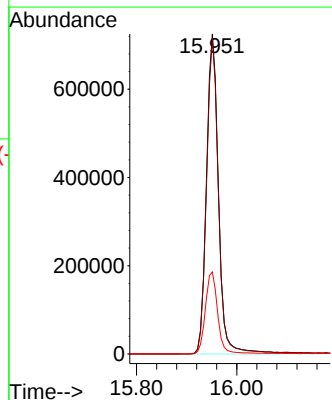
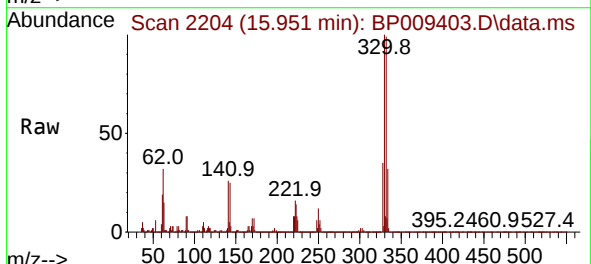
Manual Integrations
APPROVED

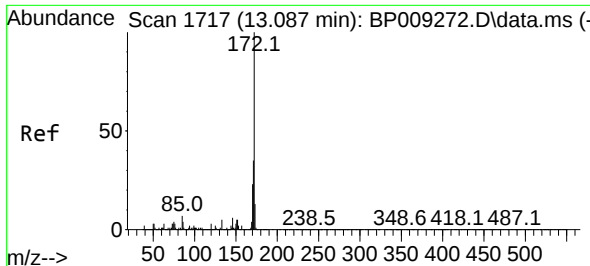
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#42
2,4,6-Tribromophenol
Concen: 132.971 ng
RT: 15.951 min Scan# 2204
Delta R.T. -0.006 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

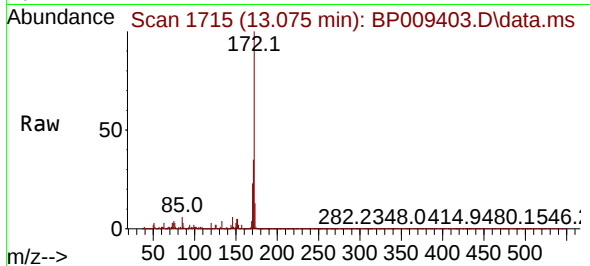
Tgt Ion:330 Resp: 1211746
Ion Ratio Lower Upper
330 100
332 98.7 77.0 115.6
141 26.5 27.6 41.4#





#45
2-Fluorobiphenyl
Concen: 62.875 ng
RT: 13.075 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

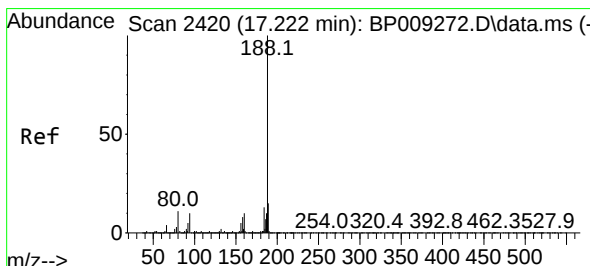
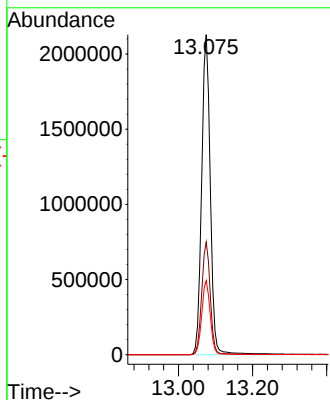
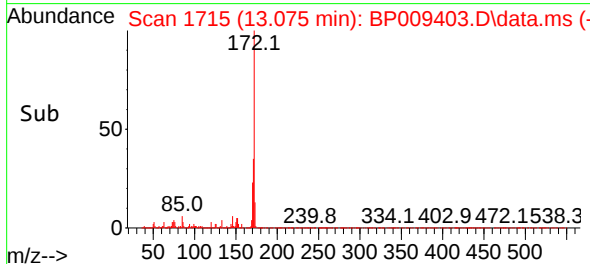
Instrument :
BNA_P
ClientSampleId :
VNJ-242



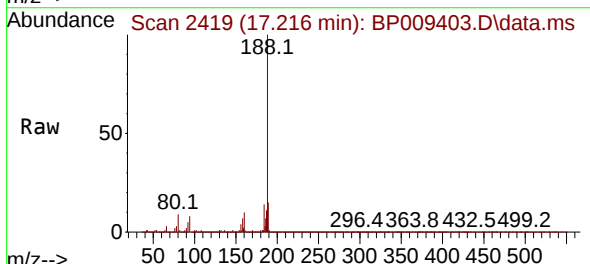
Tgt Ion:172 Resp: 345043
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.2 18.6 27.8

Manual Integrations
APPROVED

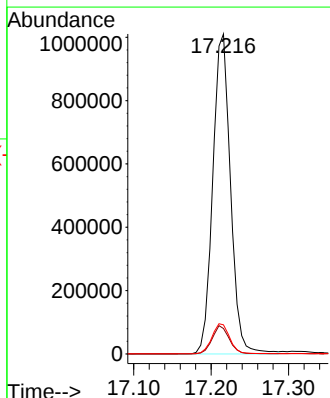
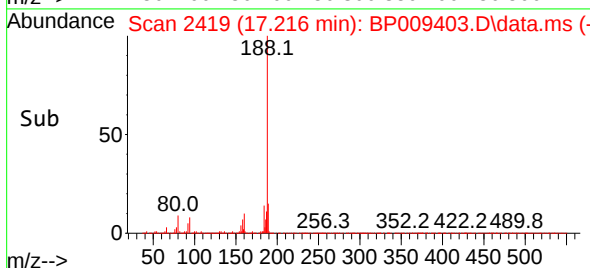
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022

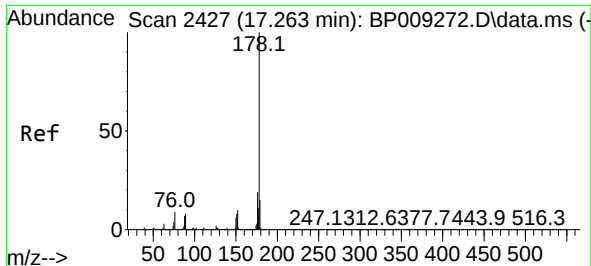


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57



Tgt Ion:188 Resp: 1607745
Ion Ratio Lower Upper
188 100
94 7.9 7.9 11.9
80 9.1 8.8 13.2





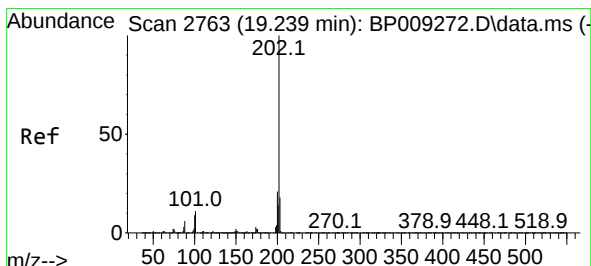
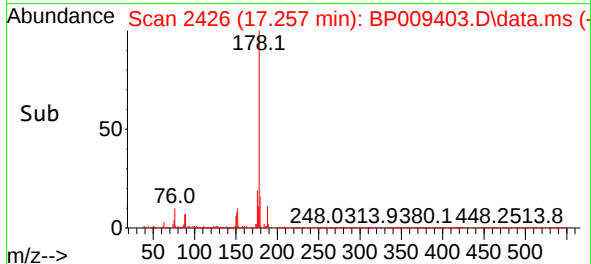
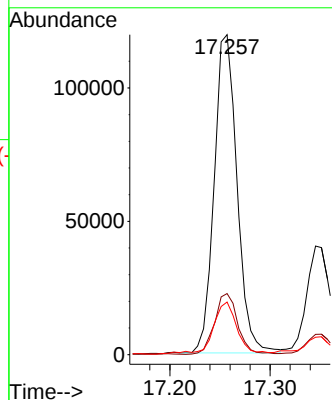
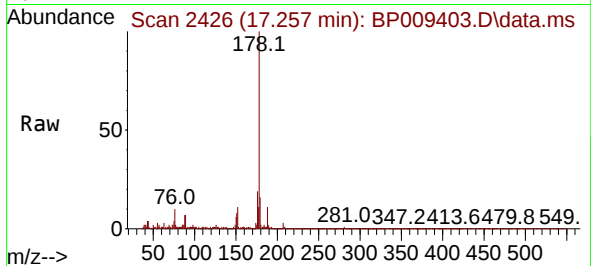
#71
Phenanthrene
Concen: 2.041 ng
RT: 17.257 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

Instrument :
BNA_P
ClientSampleId :
VNJ-242

Tgt Ion:178 Resp: 18856
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 16.4 12.3 18.5

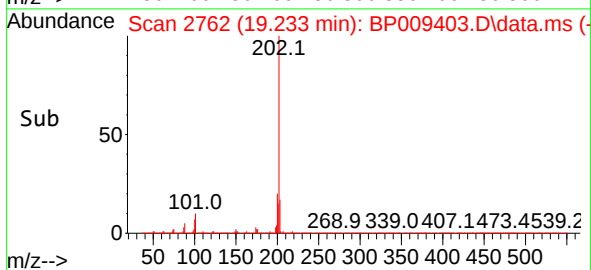
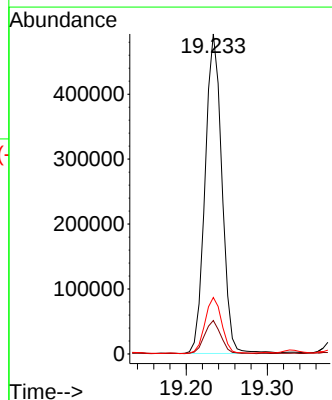
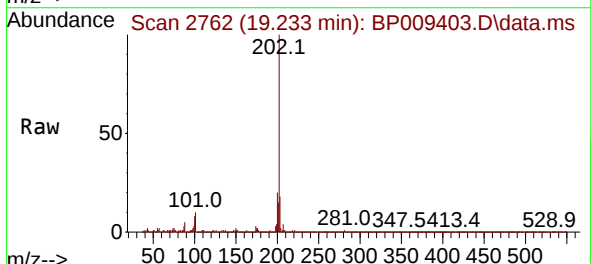
Manual Integrations
APPROVED

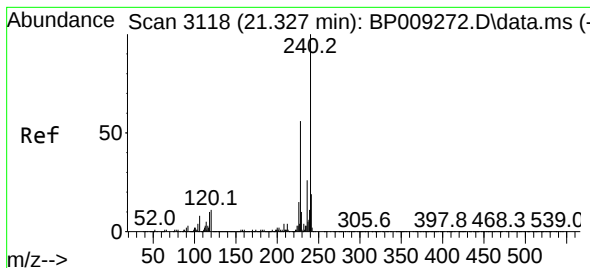
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#75
Fluoranthene
Concen: 6.622 ng
RT: 19.233 min Scan# 2762
Delta R.T. -0.006 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

Tgt Ion:202 Resp: 706183
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.5
203 17.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.322 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BP009403.D

Acq: 15 Mar 2022 17:57

Instrument :

BNA_P

ClientSampleId :

VNJ-242

Tgt Ion:240 Resp: 170778

Ion Ratio Lower Upper

240 100

120 9.4 9.0 13.4

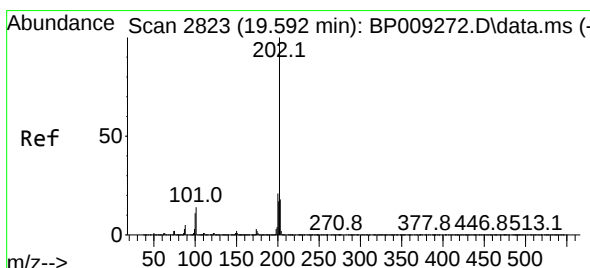
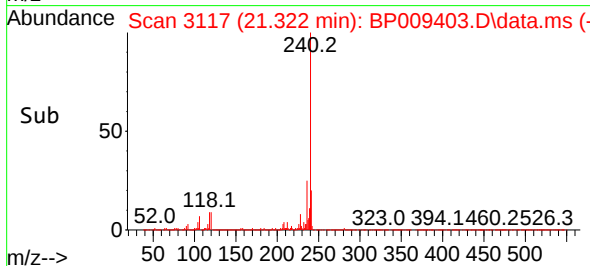
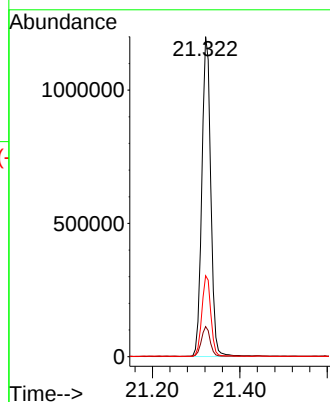
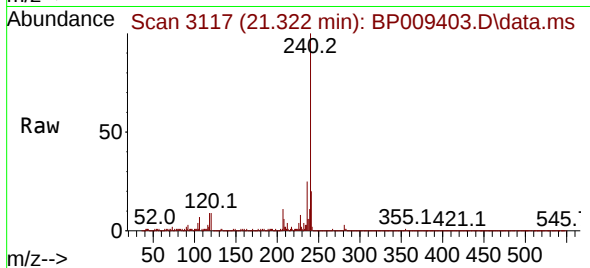
236 25.3 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/16/2022

Supervised By :Jagrut Upadhyay 03/16/2022



#78

Pyrene

Concen: 5.689 ng

RT: 19.586 min Scan# 2822

Delta R.T. -0.006 min

Lab File: BP009403.D

Acq: 15 Mar 2022 17:57

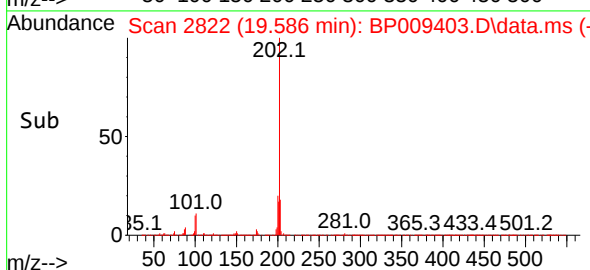
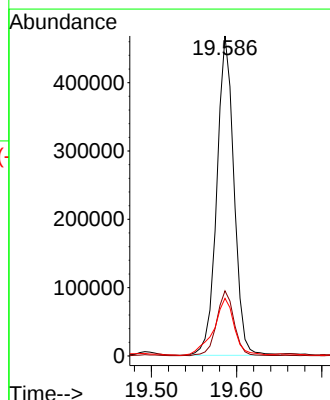
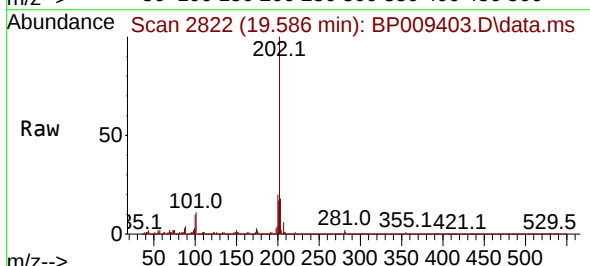
Tgt Ion:202 Resp: 655928

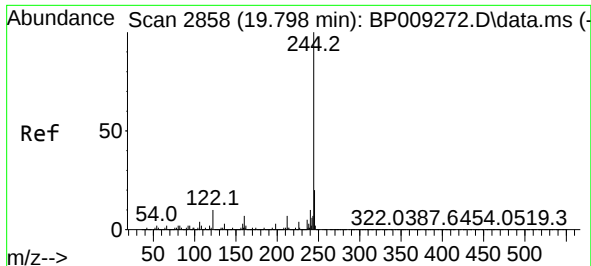
Ion Ratio Lower Upper

202 100

200 20.4 16.8 25.2

203 18.0 14.2 21.4





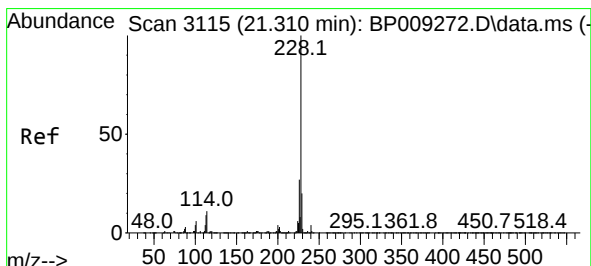
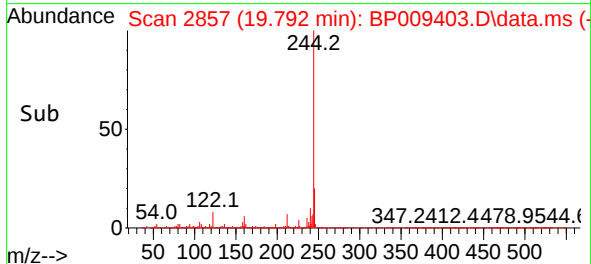
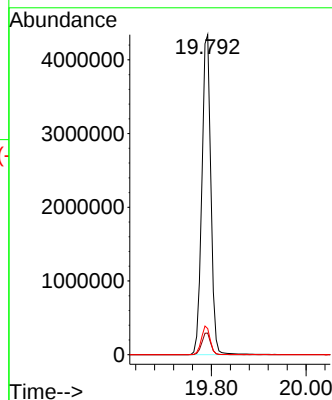
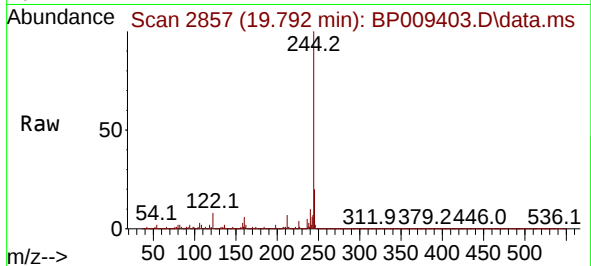
#79
 Terphenyl-d14
 Concen: 62.838 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009403.D
 Acq: 15 Mar 2022 17:57

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-242

Tgt Ion:244 Resp: 568665
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 8.1 8.3 12.5

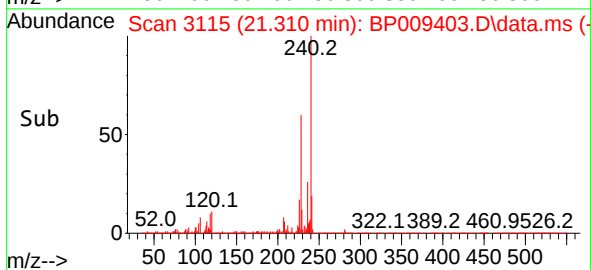
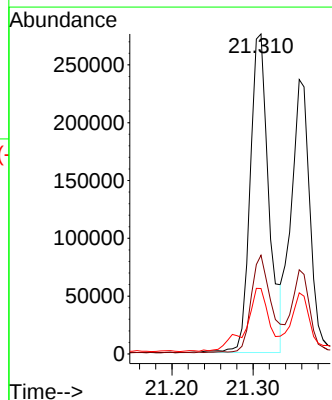
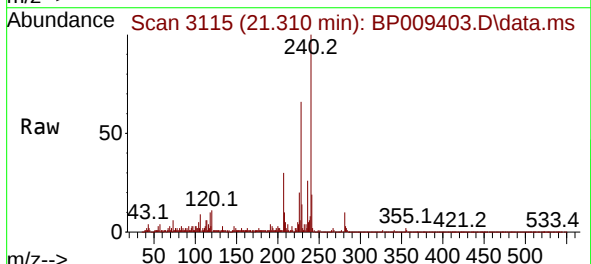
Manual Integrations
 APPROVED

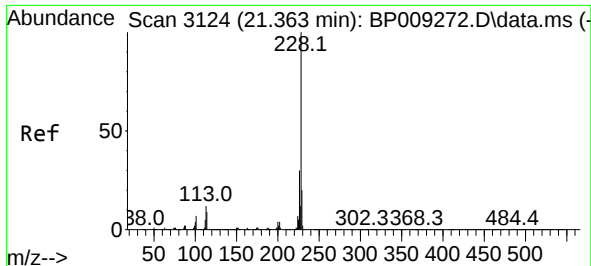
Reviewed By :Christian Giraldo 03/16/2022
 Supervised By :Jagrut Upadhyay 03/16/2022



#81
 Benzo(a)anthracene
 Concen: 3.813 ng
 RT: 21.310 min Scan# 3115
 Delta R.T. 0.000 min
 Lab File: BP009403.D
 Acq: 15 Mar 2022 17:57

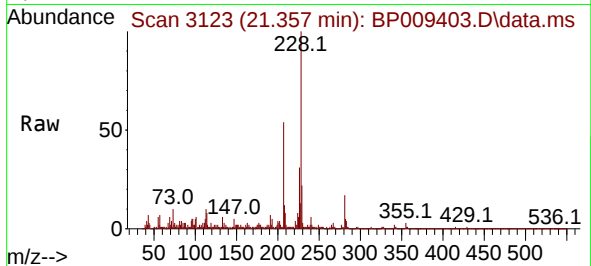
Tgt Ion:228 Resp: 441416
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.0 33.0
 229 20.5 16.1 24.1





#83
Chrysene
Concen: 3.360 ng
RT: 21.357 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

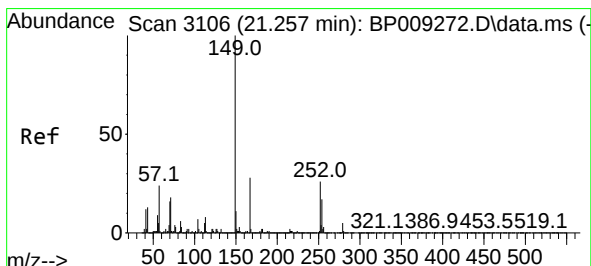
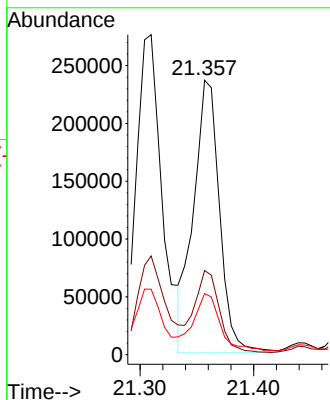
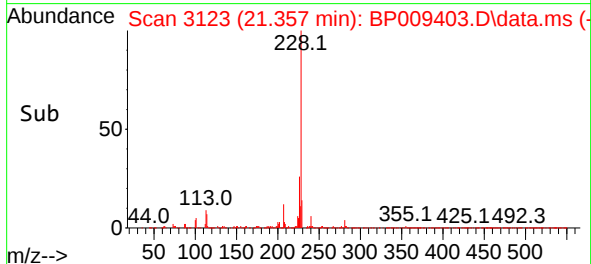
Instrument :
BNA_P
ClientSampleId :
VNJ-242



Tgt Ion:228 Resp: 377580
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.2
229 22.3 16.1 24.1

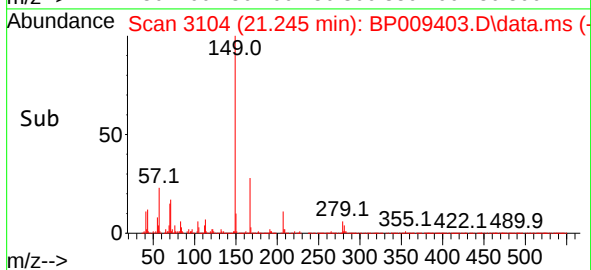
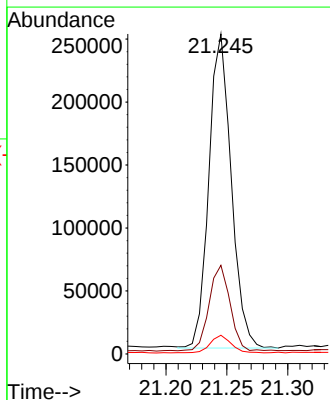
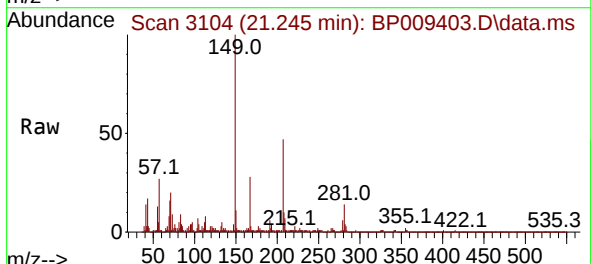
Manual Integrations
APPROVED

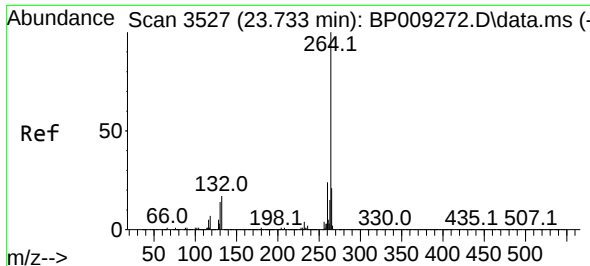
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.778 ng
RT: 21.245 min Scan# 3104
Delta R.T. -0.012 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

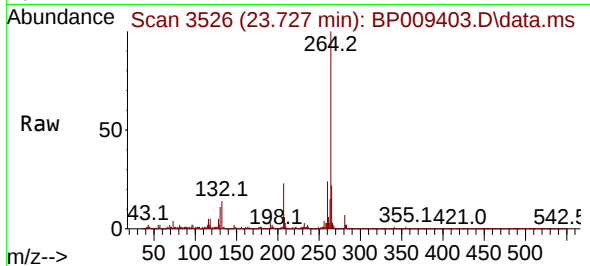
Tgt Ion:149 Resp: 318046
Ion Ratio Lower Upper
149 100
167 27.7 22.6 33.8
279 5.8 3.8 5.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

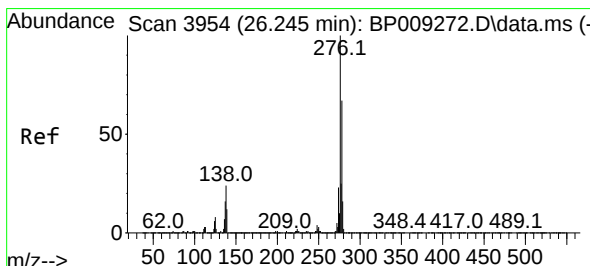
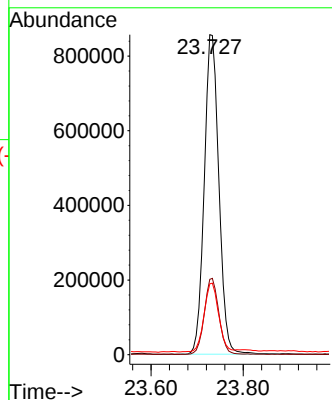
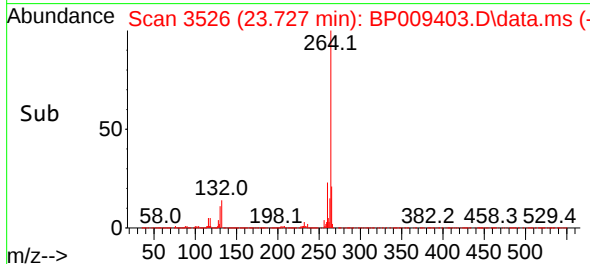
Instrument :
BNA_P
ClientSampleId :
VNJ-242



Tgt Ion:264 Resp: 189929
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.0
265 22.2 17.2 25.8

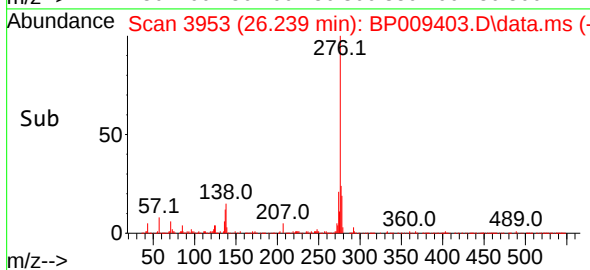
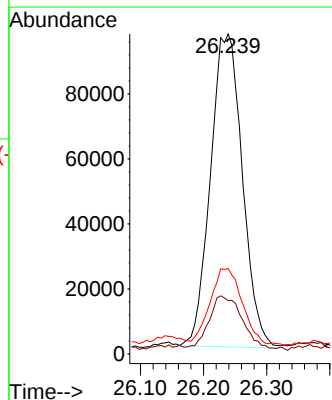
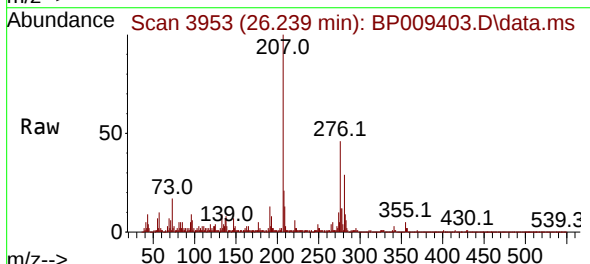
Manual Integrations
APPROVED

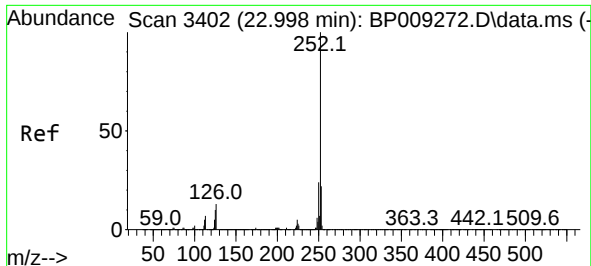
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.292 ng
RT: 26.239 min Scan# 3953
Delta R.T. -0.006 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

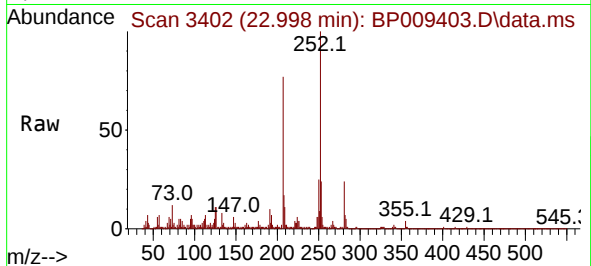
Tgt Ion:276 Resp: 338230
Ion Ratio Lower Upper
276 100
138 17.0 20.5 30.7#
277 23.8 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 4.610 ng
RT: 22.998 min Scan# 3402
Delta R.T. 0.000 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

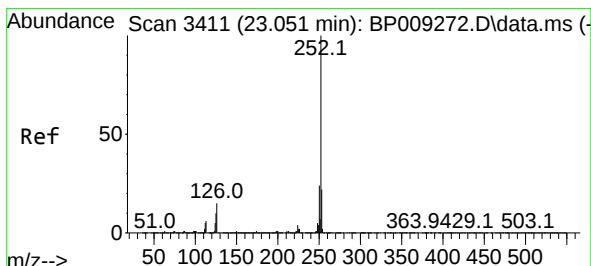
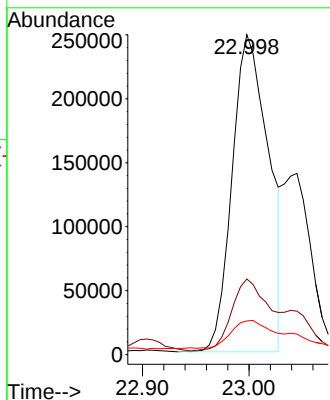
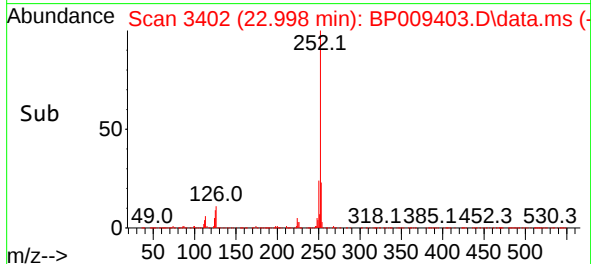
Instrument :
BNA_P
ClientSampleId :
VNJ-242



Tgt Ion:252 Resp: 591130
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 10.5 8.1 12.1

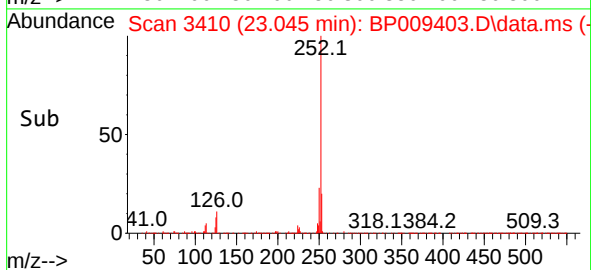
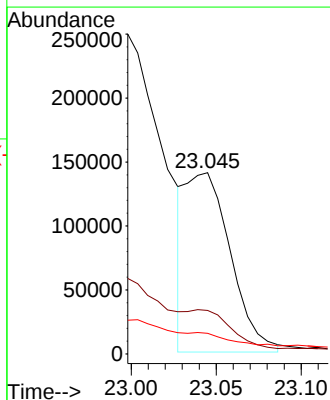
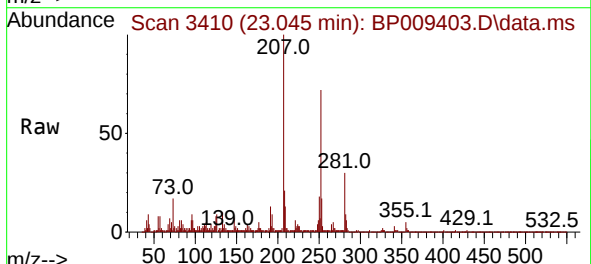
Manual Integrations
APPROVED

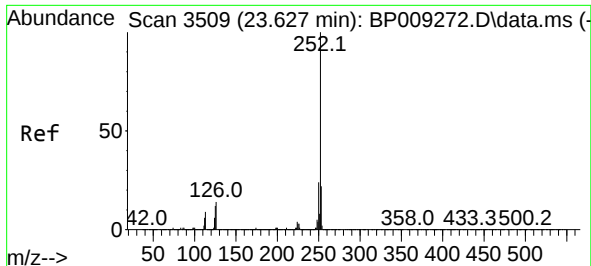
Reviewed By :Christian Giraldo 03/16/2022
Supervised By :Jagrut Upadhyay 03/16/2022



#89
Benzo(k)fluoranthene
Concen: 2.097 ng m
RT: 23.045 min Scan# 3410
Delta R.T. -0.006 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

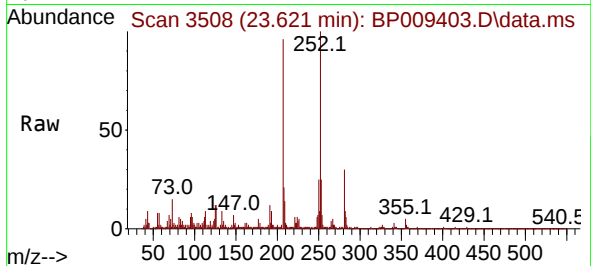
Tgt Ion:252 Resp: 256882
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 11.4 8.3 12.5





#90
Benzo(a)pyrene
Concen: 3.546 ng
RT: 23.621 min Scan# 3509
Delta R.T. -0.006 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57

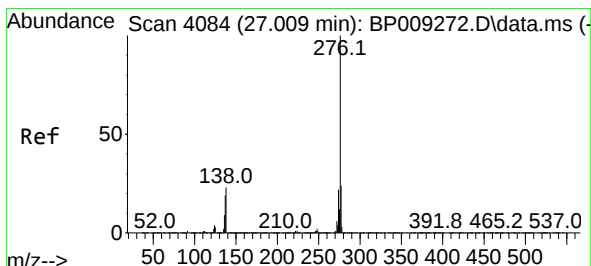
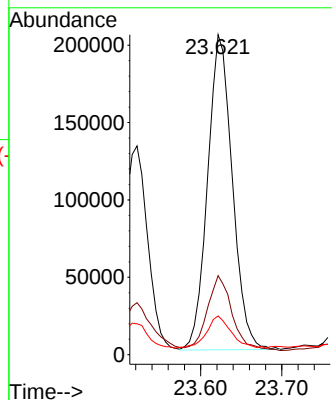
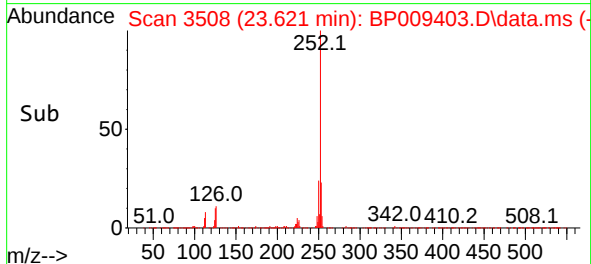
Instrument :
BNA_P
ClientSampleId :
VNJ-242



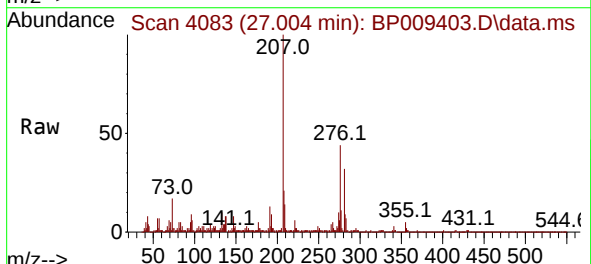
Tgt Ion: 252 Resp: 431290
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 12.1 9.3 13.9

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 03/16/2022
Supervised By : Jagrut Upadhyay 03/16/2022



#92
Benzo(g,h,i)perylene
Concen: 2.743 ng
RT: 27.004 min Scan# 4083
Delta R.T. -0.006 min
Lab File: BP009403.D
Acq: 15 Mar 2022 17:57



Tgt Ion: 276 Resp: 339044
Ion Ratio Lower Upper
276 100
277 25.9 19.2 28.8
138 18.7 18.0 27.0

