

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
 Data File : BP009122.D
 Acq On : 11 Feb 2022 20:11
 Operator : CG/JU
 Sample : N1427-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VAULT-03-WASTE

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
 Supervised By :mohammad ahmed 02/15/2022

Quant Time: Feb 11 23:34:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 07 15:13:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	268706	20.000	ng	-0.01
21) Naphthalene-d8	10.587	136	1099300	20.000	ng	-0.02
39) Acenaphthene-d10	14.433	164	751902	20.000	ng	-0.01
64) Phenanthrene-d10	17.198	188	1443536	20.000	ng	0.00
76) Chrysene-d12	21.298	240	1619373	20.000	ng	0.00
86) Perylene-d12	23.686	264	1483378	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1517963	100.770	ng	0.00
7) Phenol-d6	6.987	99	2044037	102.980	ng	0.00
23) Nitrobenzene-d5	8.957	82	1283163	65.826	ng	-0.01
42) 2,4,6-Tribromophenol	15.939	330	1120078	111.570	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	3485153	64.887	ng	-0.01
79) Terphenyl-d14	19.763	244	5451165	60.536	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.010	94	50731	2.542	ng	# 64
31) Naphthalene	10.640	128	425900	7.596	ng	100
37) 2-Methylnaphthalene	12.257	142	144523	3.643	ng	99
38) 1-Methylnaphthalene	12.475	142	90676m	2.339	ng	
49) Acenaphthylene	14.157	152	152941	2.311	ng	# 91
52) Acenaphthene	14.498	154	148343	3.684	ng	93
55) Dibenzofuran	14.839	168	208284	3.070	ng	# 87
58) Fluorene	15.486	166	264339	5.072	ng	# 94
71) Phenanthrene	17.239	178	2502212	32.013	ng	99
72) Anthracene	17.333	178	671030m	8.775	ng	
73) Carbazole	17.610	167	251210	3.427	ng	# 85
75) Fluoranthene	19.216	202	3767679	43.008	ng	97
78) Pyrene	19.568	202	3403409	29.544	ng	98
81) Benzo(a)anthracene	21.280	228	1808230	17.327	ng	100
83) Chrysene	21.333	228	1407743	13.993	ng	97
87) Indeno(1,2,3-cd)pyrene	26.180	276	770796	6.993	ng	# 95
88) Benzo(b)fluoranthene	22.962	252	1746136	19.121	ng	98
89) Benzo(k)fluoranthene	23.004	252	566738m	6.221	ng	
90) Benzo(a)pyrene	23.580	252	1300659	17.084	ng	98
92) Benzo(g,h,i)perylene	26.950	276	729531	8.089	ng	97

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

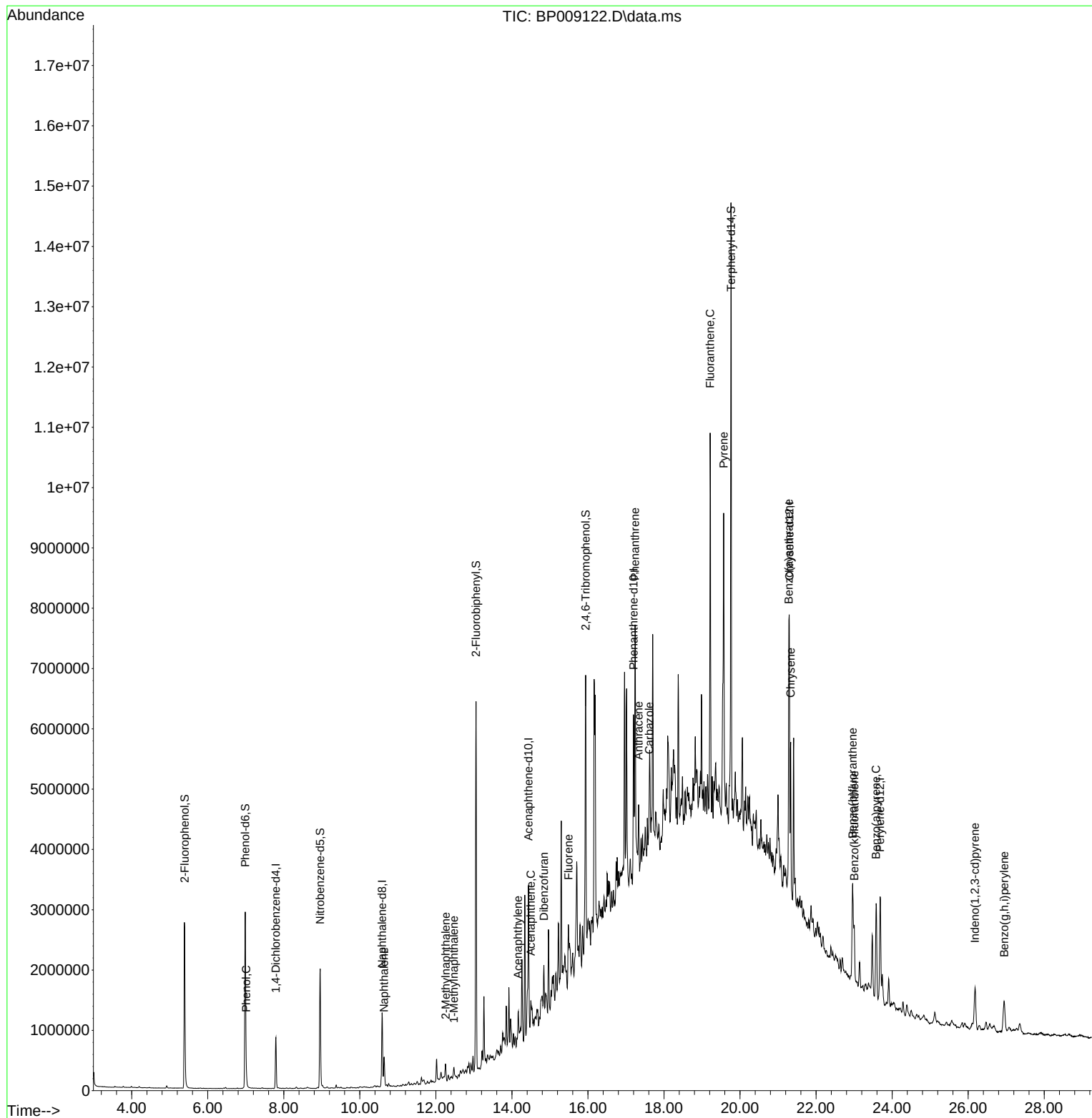
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
Data File : BP009122.D
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ALS Vial : 13 Sample Multiplier: 1

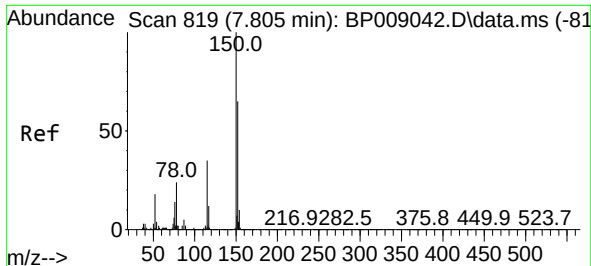
Instrument :
BNA_P
ClientSampleId :
VAULT-03-WASTE

Quant Time: Feb 11 23:34:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 07 15:13:17 2022
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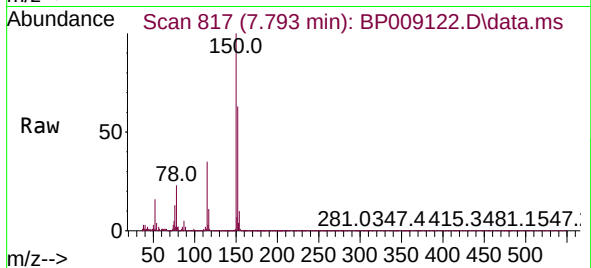
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 819
Delta R.T. -0.012 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

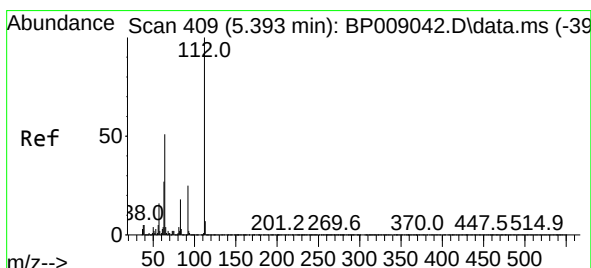
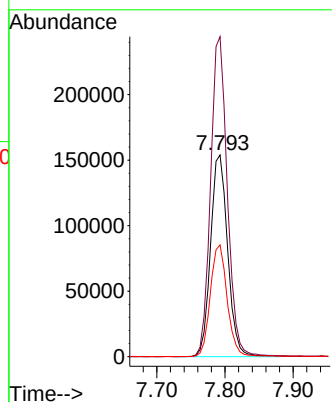
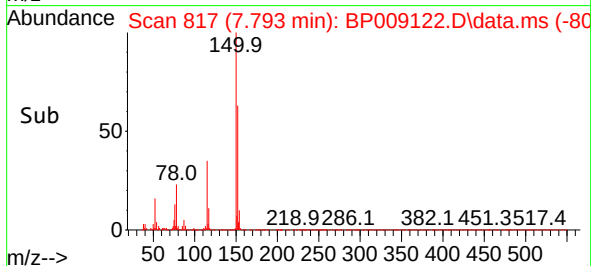
Instrument :
BNA_P
ClientSampleId :
VAULT-03-WASTE



Tgt Ion:152 Resp: 268700
Ion Ratio Lower Upper
152 100
150 158.5 127.0 190.6
115 55.4 43.7 65.5

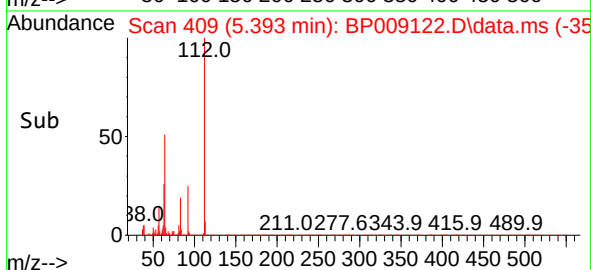
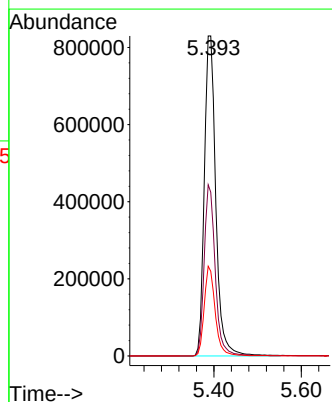
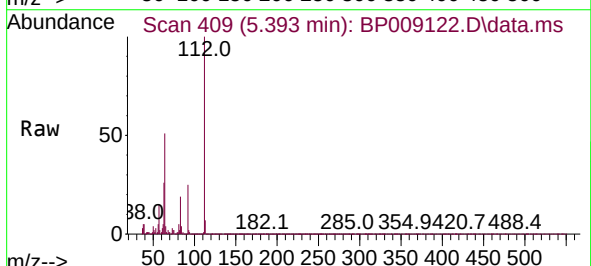
Manual Integrations
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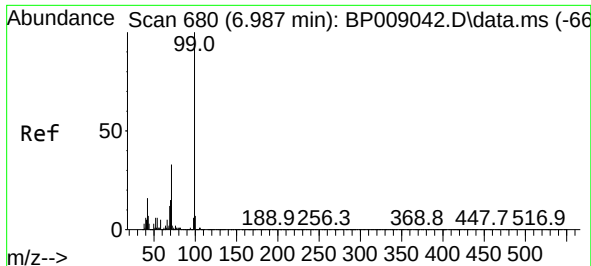
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#5
2-Fluorophenol
Concen: 100.770 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

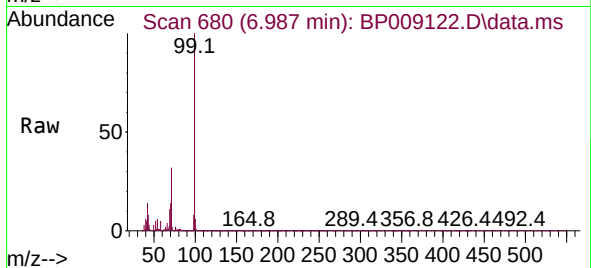
Tgt Ion:112 Resp: 1517963
Ion Ratio Lower Upper
112 100
64 51.2 39.7 59.5
63 26.5 20.0 30.0





#7
Phenol-d6
Concen: 102.980 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.000 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

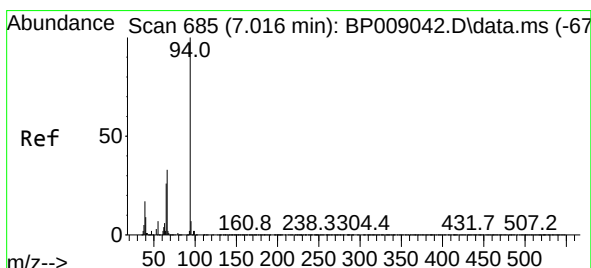
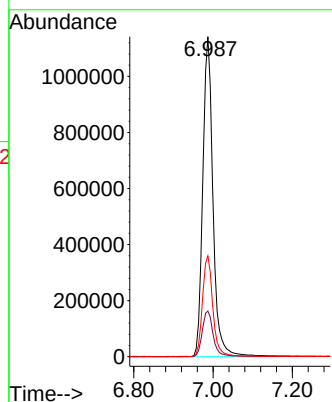
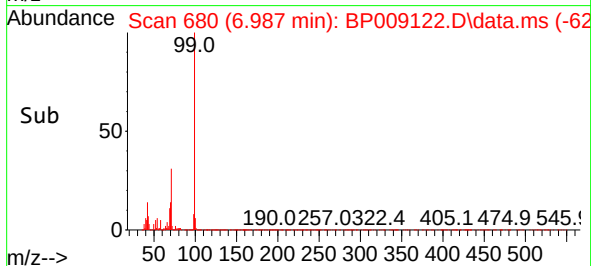
Instrument :
BNA_P
ClientSampleId :
VAULT-03-WASTE



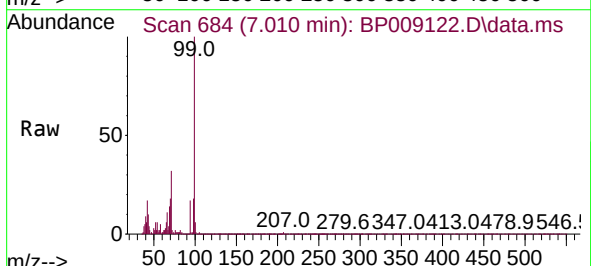
Tgt Ion: 99 Resp: 204403
Ion Ratio Lower Upper
99 100
42 14.2 10.8 16.2
71 31.5 23.8 35.6

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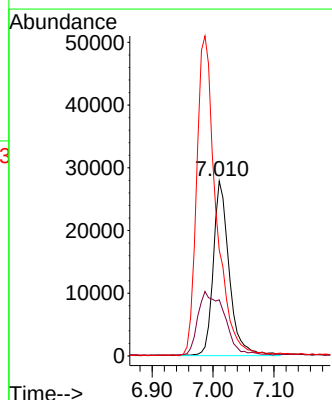
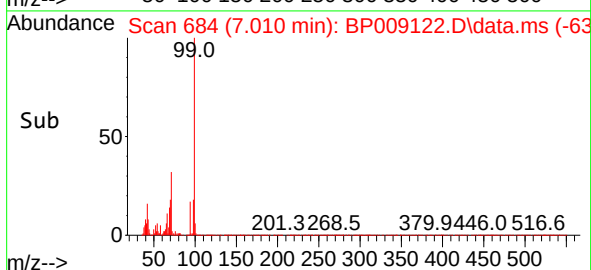
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

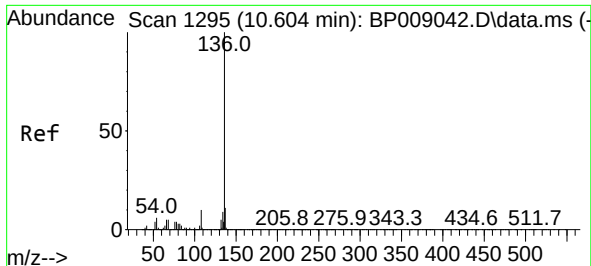


#10
Phenol
Concen: 2.542 ng
RT: 7.010 min Scan# 684
Delta R.T. -0.006 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11



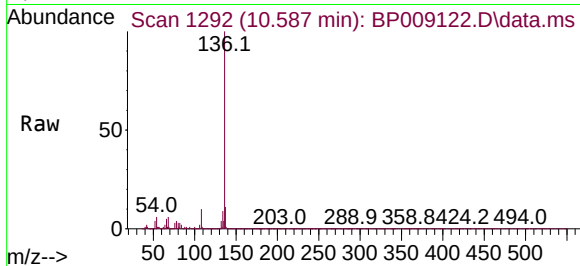
Tgt Ion: 94 Resp: 50731
Ion Ratio Lower Upper
94 100
65 32.1 4.1 44.1
66 60.6 12.4 52.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1015
Delta R.T. -0.017 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

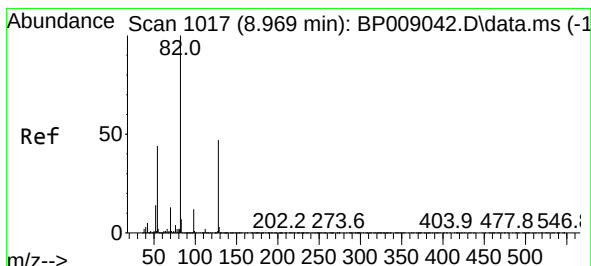
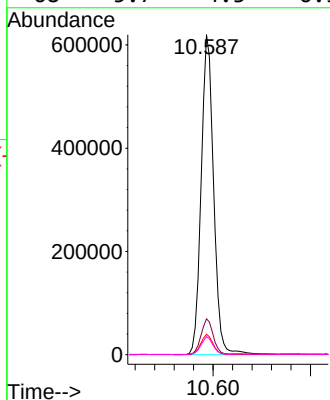
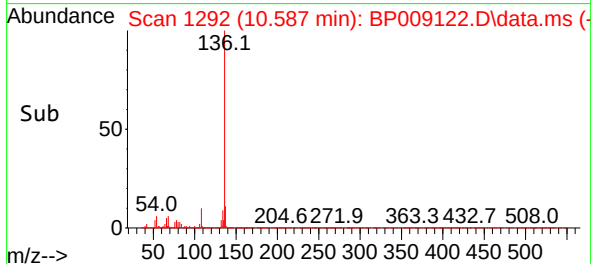
Instrument :
BNA_P
ClientSampleId :
VAULT-03-WASTE



Tgt Ion:136 Resp: 1099300
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.4 4.9 7.3
68 5.7 4.3 6.5

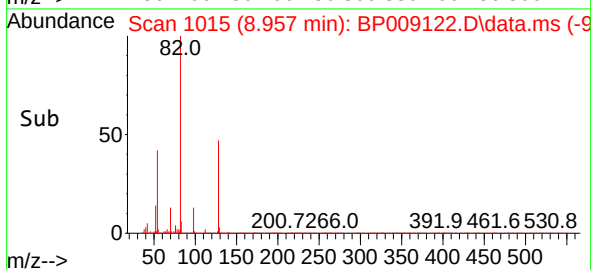
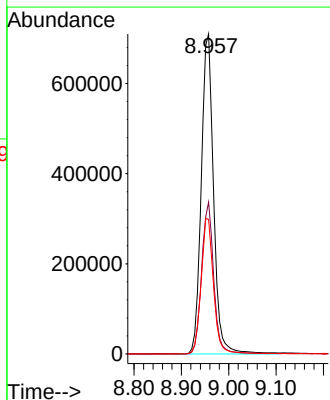
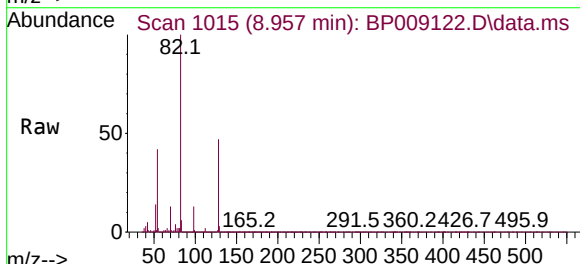
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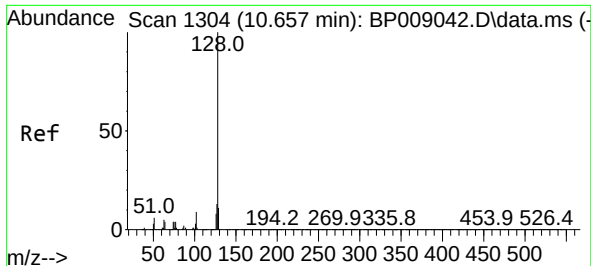
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#23
Nitrobenzene-d5
Concen: 65.826 ng
RT: 8.957 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

Tgt Ion: 82 Resp: 1283163
Ion Ratio Lower Upper
82 100
128 47.4 39.4 59.2
54 42.0 32.6 48.8





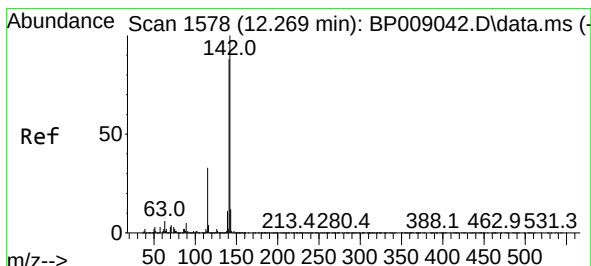
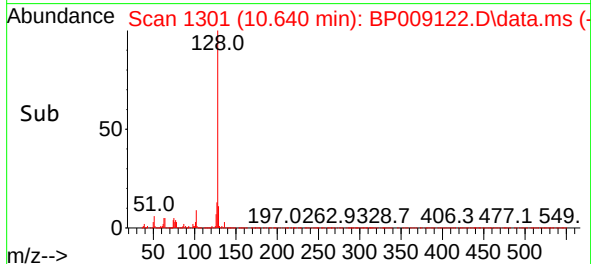
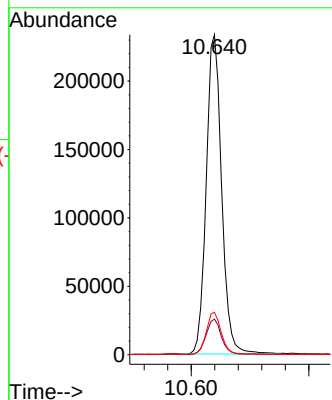
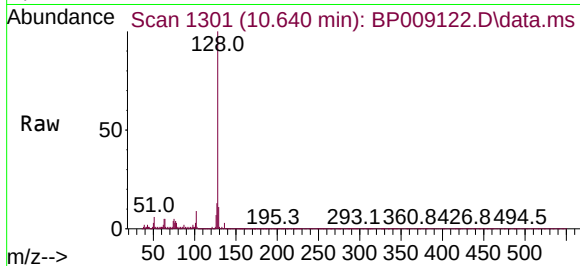
#31
Naphthalene
Concen: 7.596 ng
RT: 10.640 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

Instrument :
BNA_P
ClientSampleId :
VAULT-03-WASTE

Tgt Ion:128 Resp: 425900
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.2 10.4 15.6

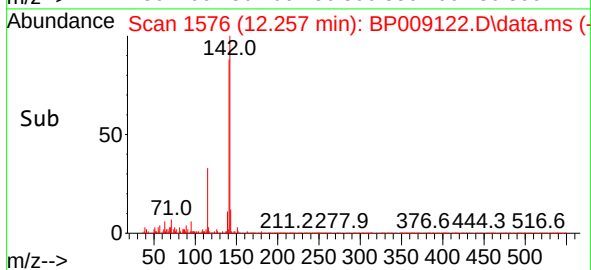
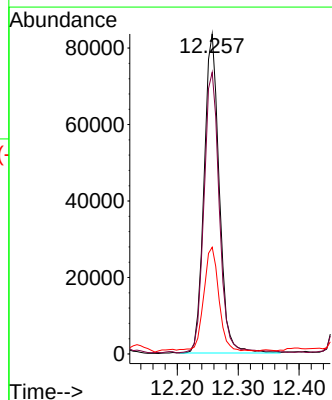
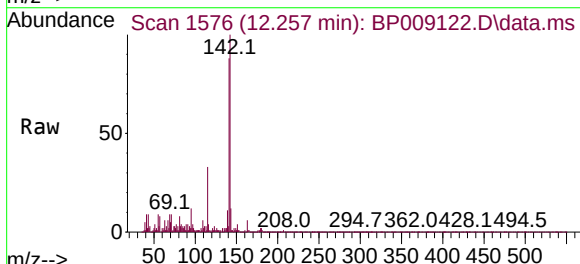
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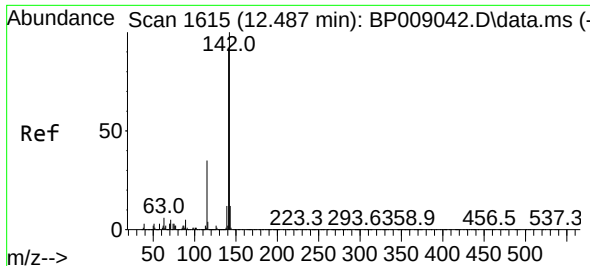
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#37
2-Methylnaphthalene
Concen: 3.643 ng
RT: 12.257 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

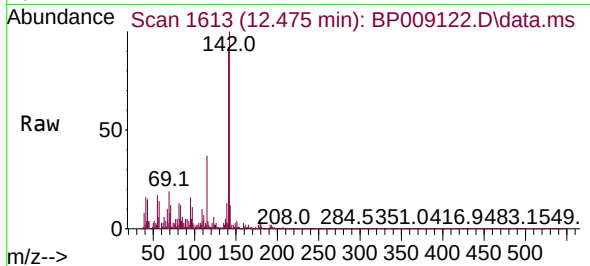
Tgt Ion:142 Resp: 144523
Ion Ratio Lower Upper
142 100
141 88.0 70.5 105.7
115 33.3 24.6 36.8





#38
1-Methylnaphthalene
Concen: 2.339 ng m
RT: 12.475 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

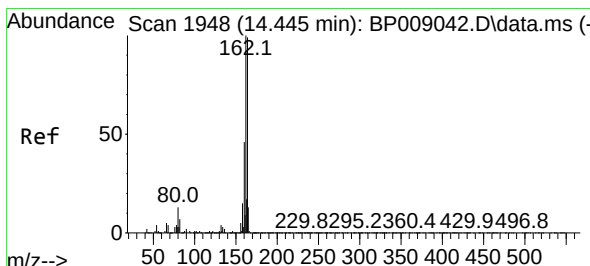
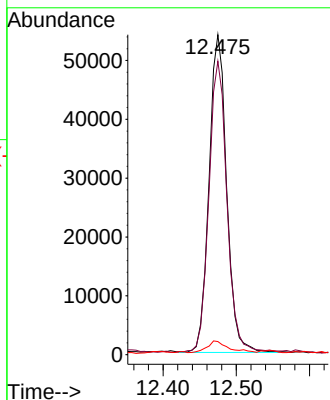
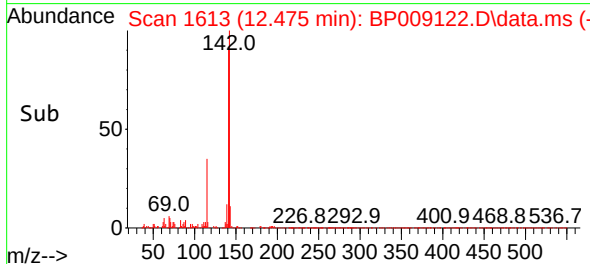
Instrument :
BNA_P
ClientSampleId :
VAULT-03-WASTE



Tgt Ion:142 Resp: 90670
Ion Ratio Lower Upper
142 100
141 91.7 73.2 109.8
116 4.1 2.7 4.1

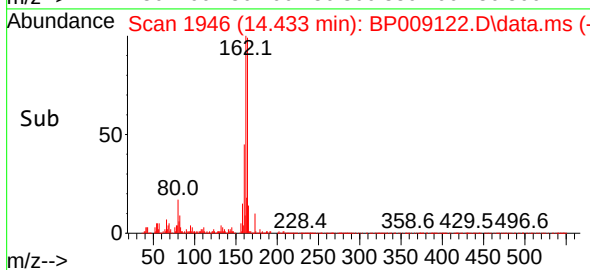
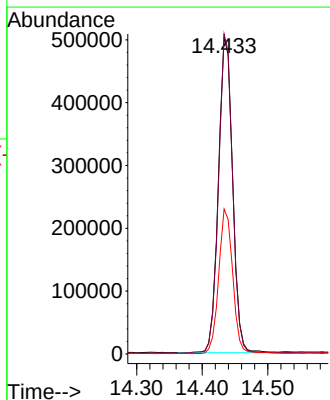
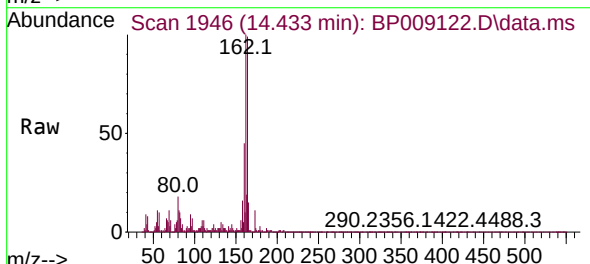
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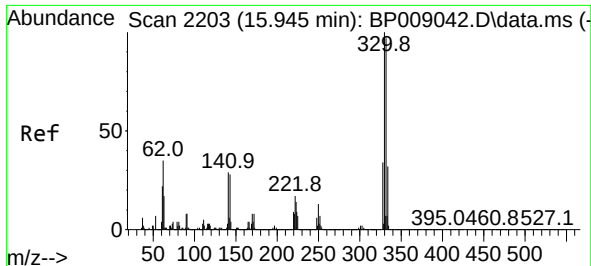
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.433 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

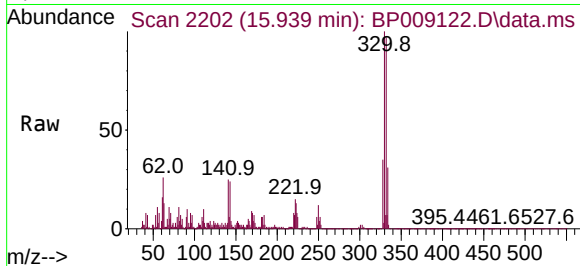
Tgt Ion:164 Resp: 751902
Ion Ratio Lower Upper
164 100
162 100.9 79.9 119.9
160 45.7 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 111.570 ng
RT: 15.939 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

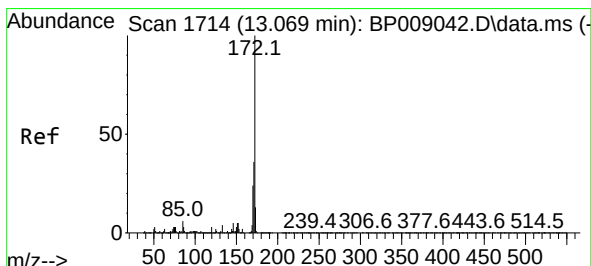
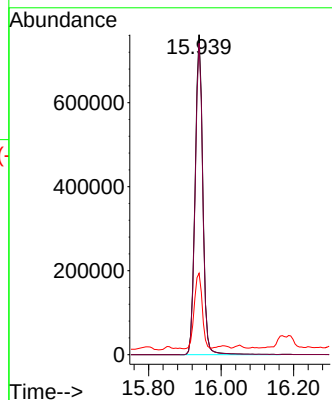
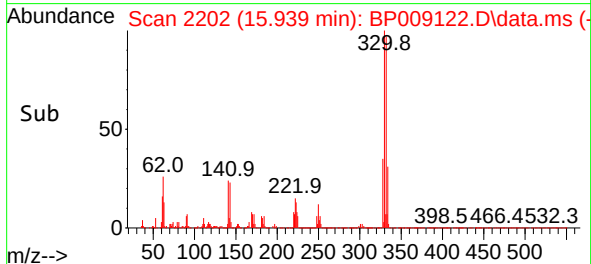
Instrument :
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ClientSampleId :
VAULT-03-WASTE



Tgt Ion:330 Resp: 1120078
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.4
141 24.3 21.3 31.9

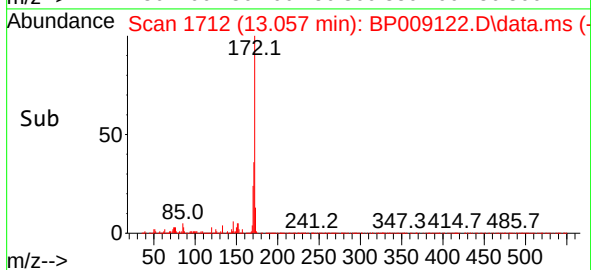
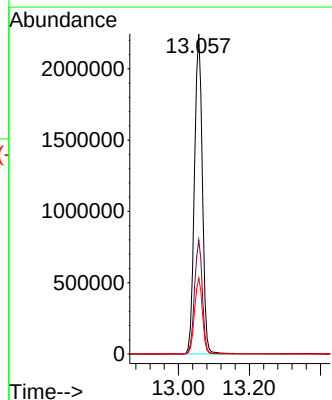
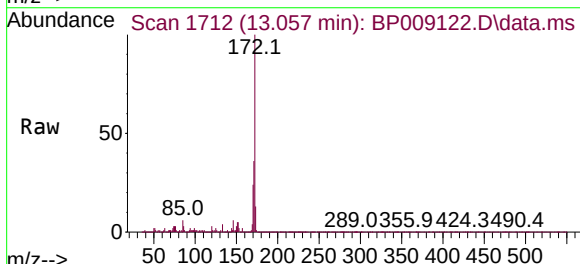
Manual Integrations
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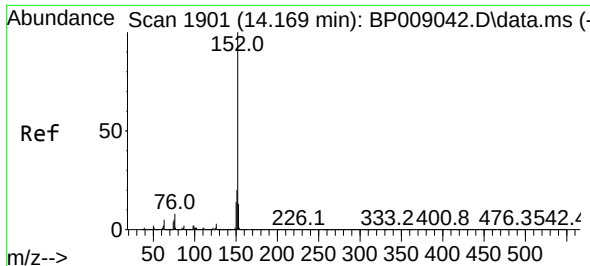
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#45
2-Fluorobiphenyl
Concen: 64.887 ng
RT: 13.057 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

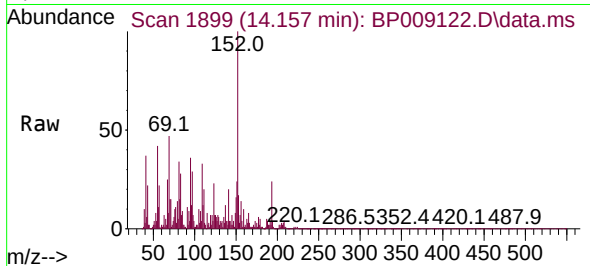
Tgt Ion:172 Resp: 3485153
Ion Ratio Lower Upper
172 100
171 35.6 29.3 43.9
170 23.8 19.5 29.3





#49
Acenaphthylene
Concen: 2.311 ng
RT: 14.157 min Scan# 1899
Delta R.T. -0.012 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

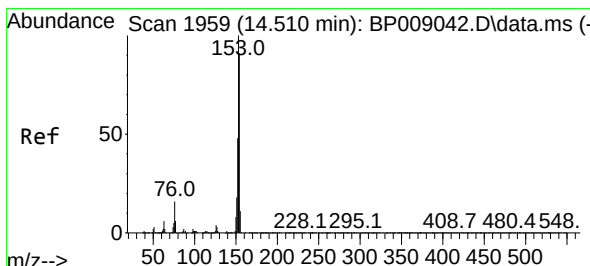
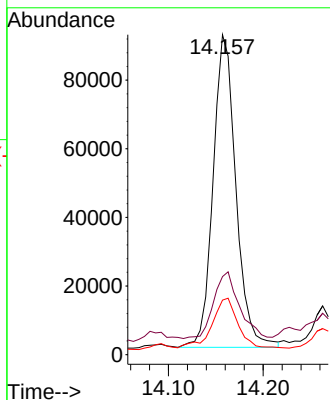
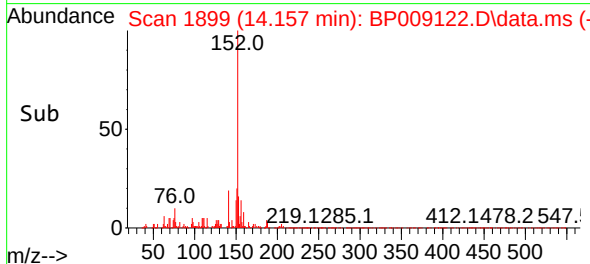
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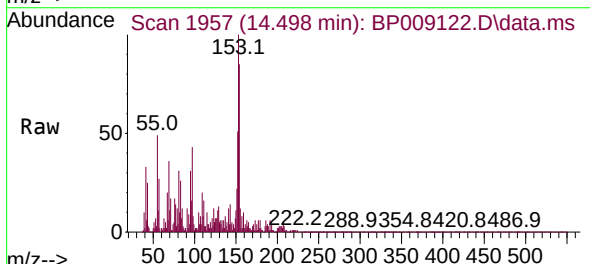
Tgt Ion:152 Resp: 15294
Ion Ratio Lower Upper
152 100
151 24.4 16.1 24.1
153 17.1 10.6 16.0

Manual Integrations
APPROVED

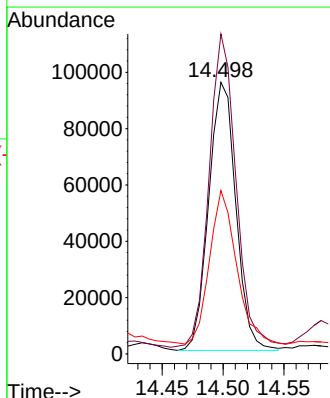
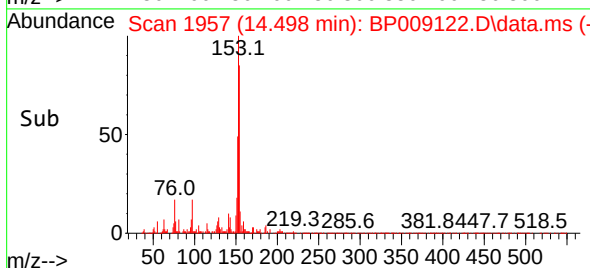
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

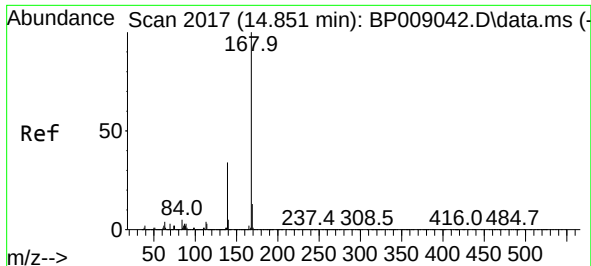


#52
Acenaphthene
Concen: 3.684 ng
RT: 14.498 min Scan# 1957
Delta R.T. -0.012 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11



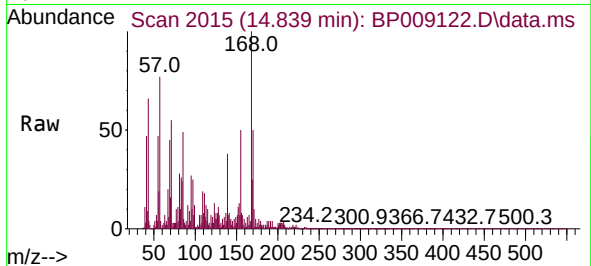
Tgt Ion:154 Resp: 148343
Ion Ratio Lower Upper
154 100
153 117.8 89.4 134.2
152 60.2 42.6 63.8





#55
Dibenzenofuran
Concen: 3.070 ng
RT: 14.839 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

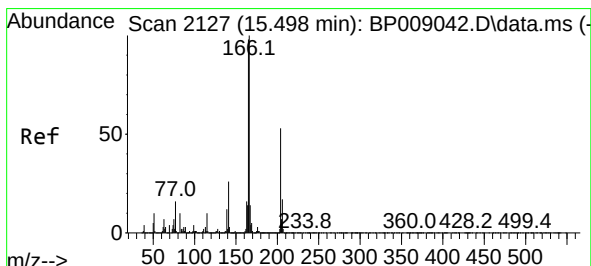
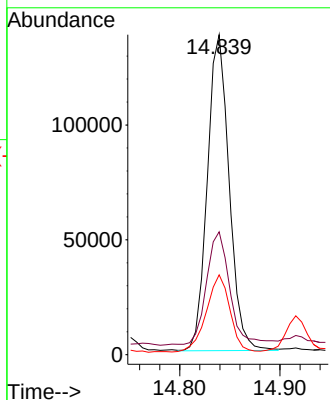
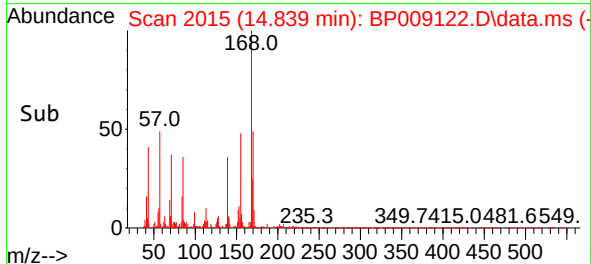
Instrument :
BNA_P
ClientSampleId :
VAULT-03-WASTE



Tgt Ion:168 Resp: 208284
Ion Ratio Lower Upper
168 100
139 38.4 27.4 41.0
169 24.9 10.9 16.3

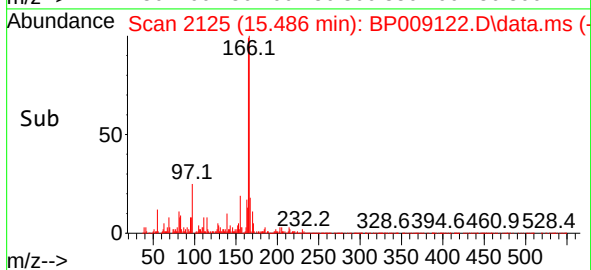
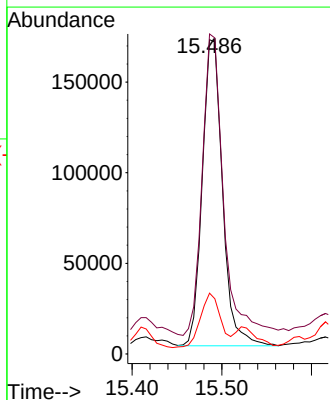
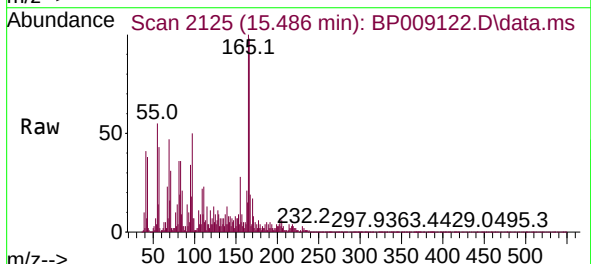
Manual Integrations
APPROVED

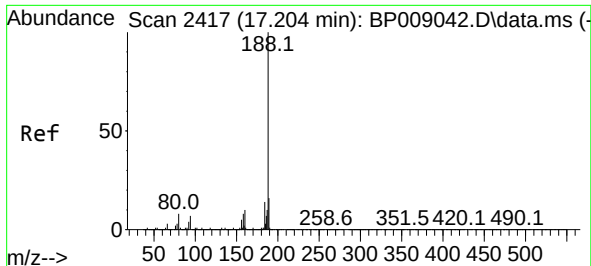
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#58
Fluorene
Concen: 5.072 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

Tgt Ion:166 Resp: 264339
Ion Ratio Lower Upper
166 100
165 101.8 77.2 115.8
167 19.4 11.2 16.8





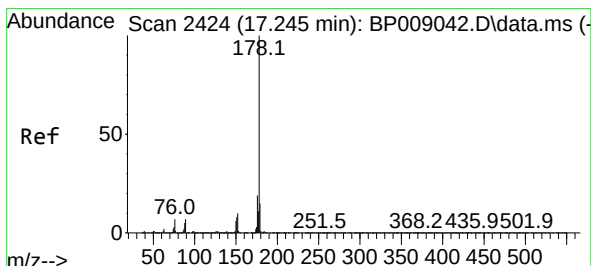
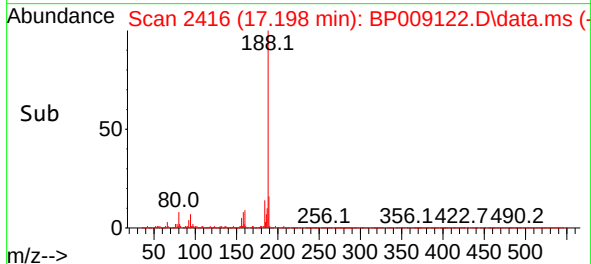
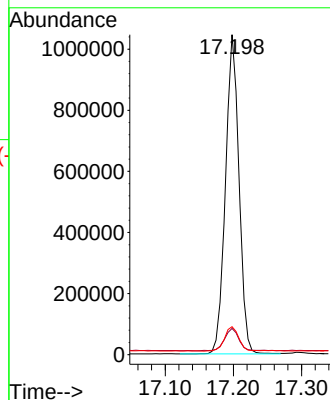
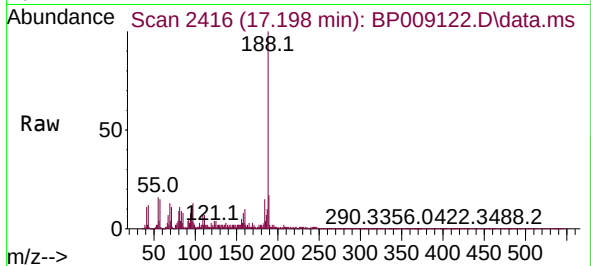
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

Instrument :
BNA_P
ClientSampleId :
VAULT-03-WASTE

Tgt Ion:188 Resp: 1443530
Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 8.7 7.2 10.8

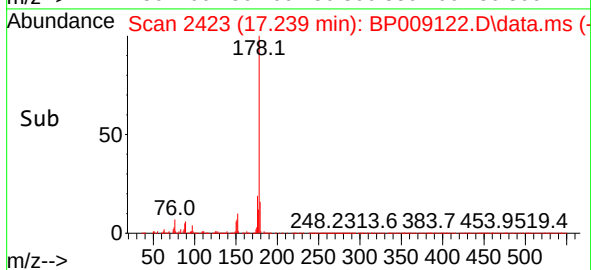
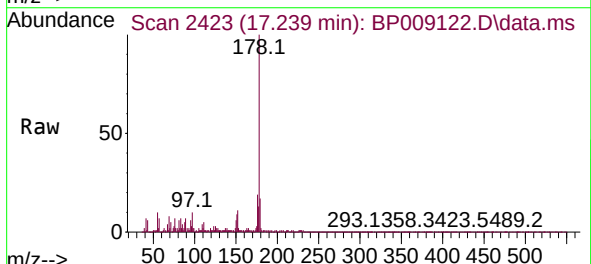
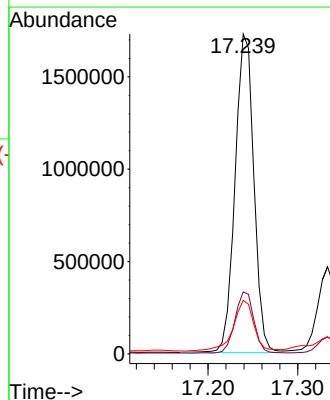
Manual Integrations
APPROVED

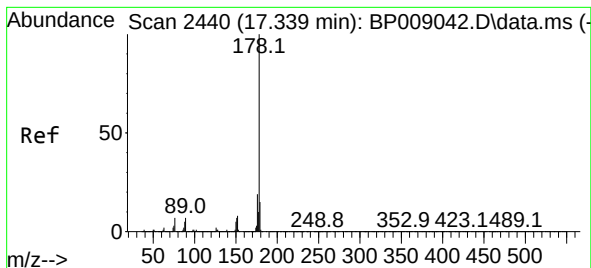
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#71
Phenanthrene
Concen: 32.013 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

Tgt Ion:178 Resp: 2502212
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 16.7 13.0 19.4





#72

Anthracene

Concen: 8.775 ng m

RT: 17.333 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BP009122.D

Acq: 11 Feb 2022 20:11

Instrument :

BNA_P

ClientSampleId :

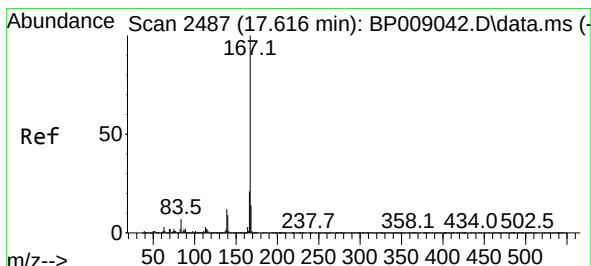
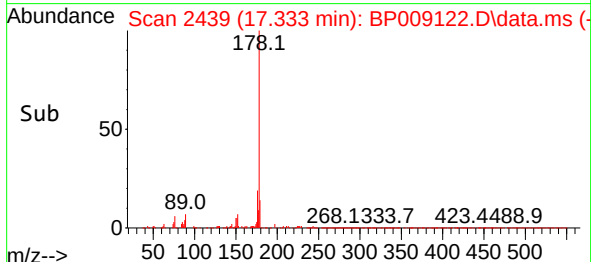
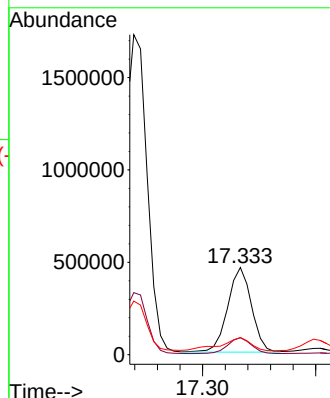
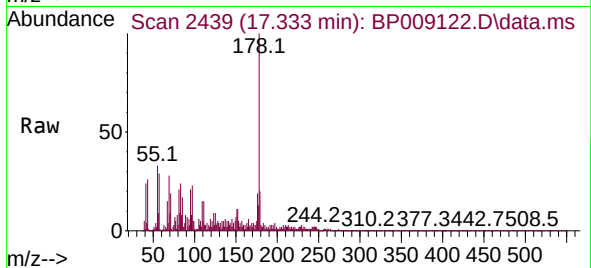
VAULT-03-WASTE

Tgt Ion:178 Resp: 671030
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.1 22.7
 179 19.5 12.8 19.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/14/2022
 Supervised By :mohammad ahmed 02/15/2022



#73

Carbazole

Concen: 3.427 ng

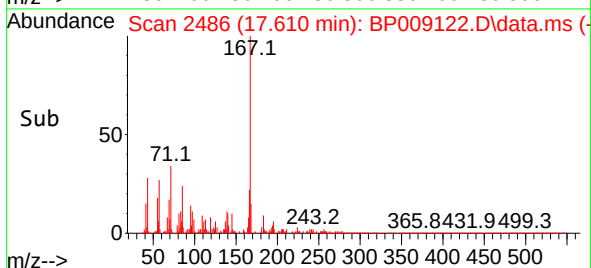
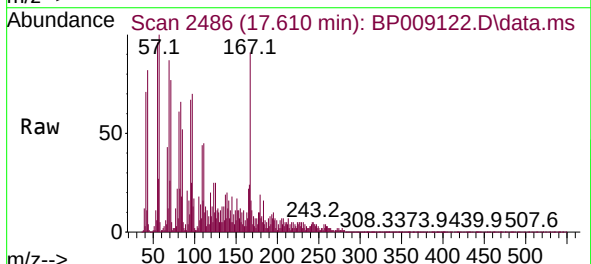
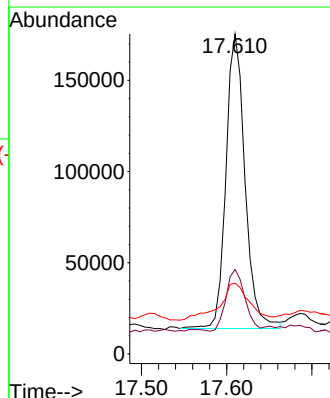
RT: 17.610 min Scan# 2486

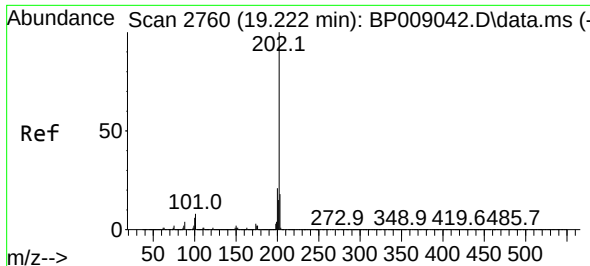
Delta R.T. -0.006 min

Lab File: BP009122.D

Acq: 11 Feb 2022 20:11

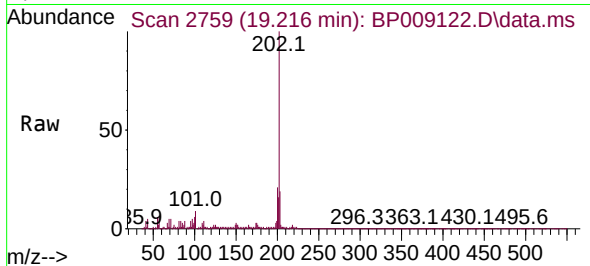
Tgt Ion:167 Resp: 251210
 Ion Ratio Lower Upper
 167 100
 166 26.4 17.7 26.5
 139 22.1 9.8 14.6





#75
Fluoranthene
Concen: 43.008 ng
RT: 19.216 min Scan# 2759
Delta R.T. -0.006 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

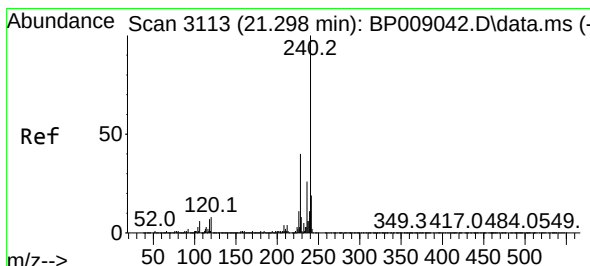
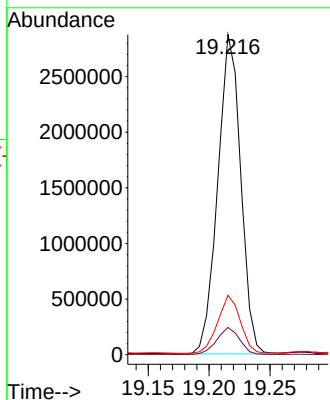
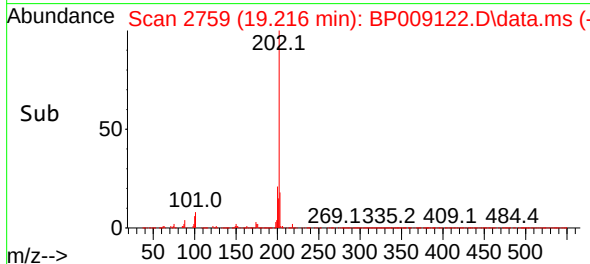
Instrument :
BNA_P
ClientSampleId :
VAULT-03-WASTE



Tgt Ion:202 Resp: 3767679
Ion Ratio Lower Upper
202 100
101 8.5 0.0 30.7
203 18.5 0.0 38.9

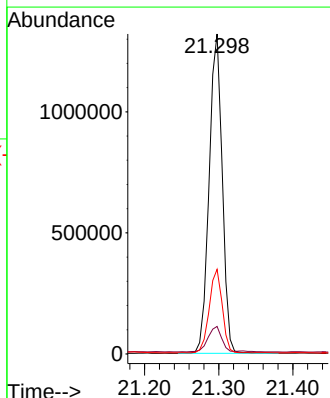
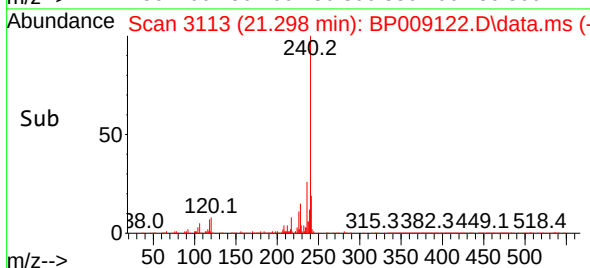
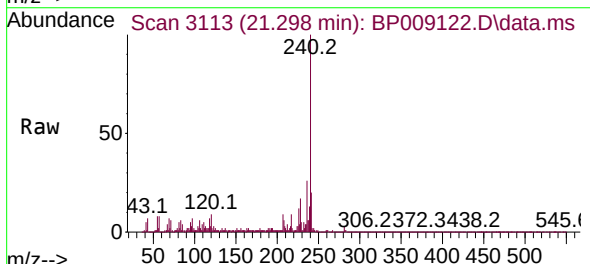
Manual Integrations
APPROVED

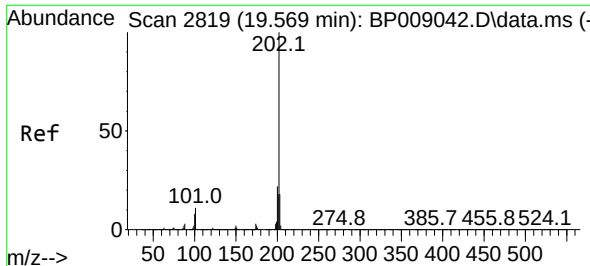
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

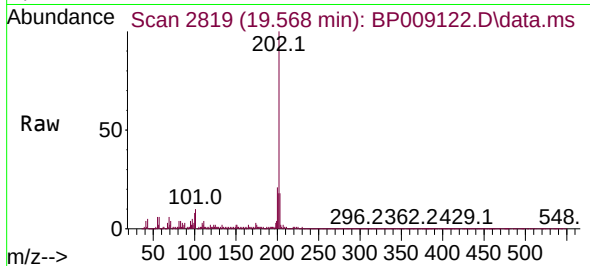
Tgt Ion:240 Resp: 1619373
Ion Ratio Lower Upper
240 100
120 8.6 7.7 11.5
236 26.5 21.2 31.8





#78
Pyrene
Concen: 29.544 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

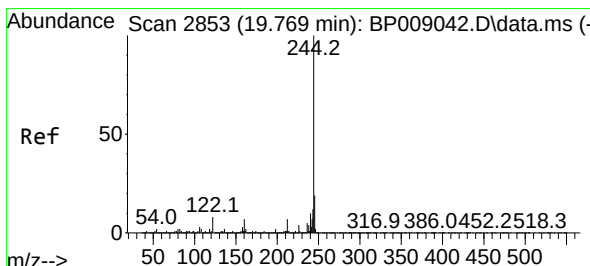
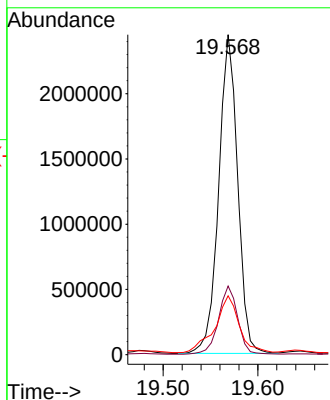
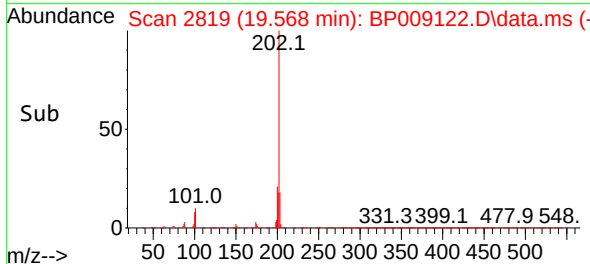
Instrument :
BNA_P
ClientSampleId :
VAULT-03-WASTE



Tgt Ion:202 Resp: 3403409
Ion Ratio Lower Upper
202 100
200 21.5 18.0 27.0
203 18.4 15.0 22.6

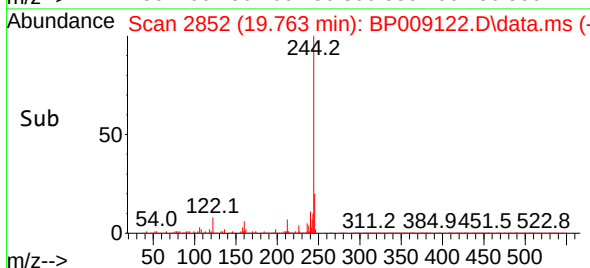
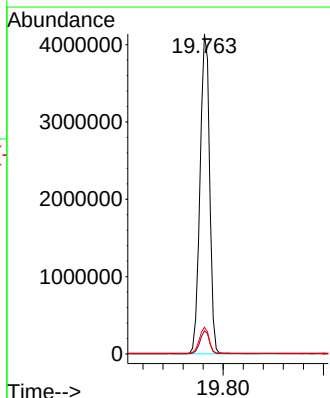
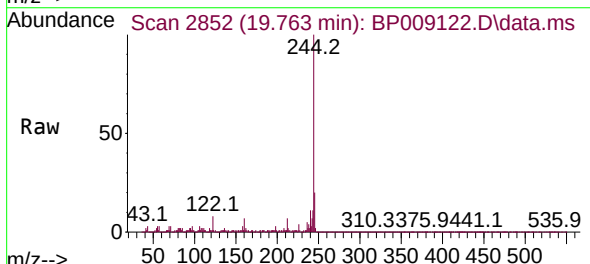
Manual Integrations
APPROVED

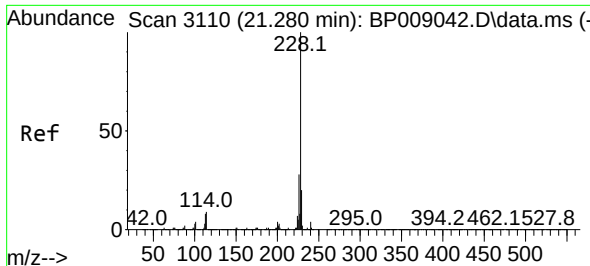
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#79
Terphenyl-d14
Concen: 60.536 ng
RT: 19.763 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

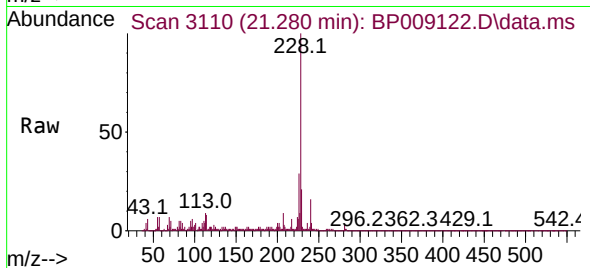
Tgt Ion:244 Resp: 5451165
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 8.3 9.2 13.8





#81
Benzo(a)anthracene
Concen: 17.327 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.000 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

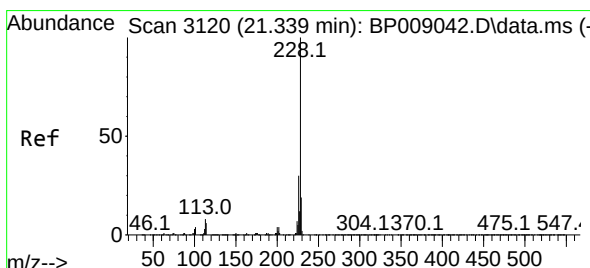
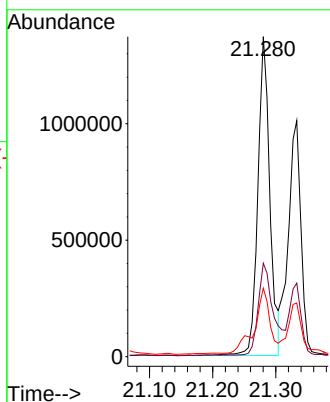
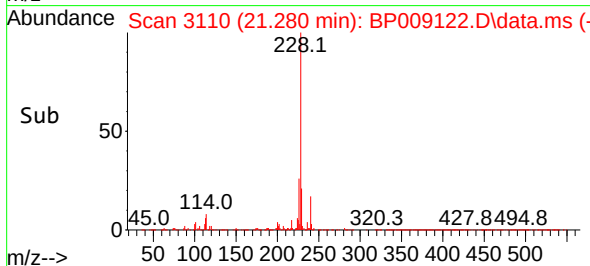
Instrument :
BNA_P
ClientSampleId :
VAULT-03-WASTE



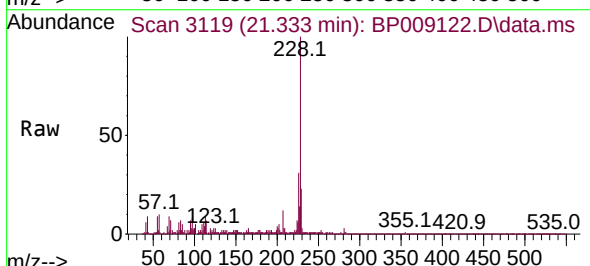
Tgt Ion:228 Resp: 1808230
Ion Ratio Lower Upper
228 100
226 29.2 23.3 34.9
229 21.4 17.0 25.6

Manual Integrations
APPROVED

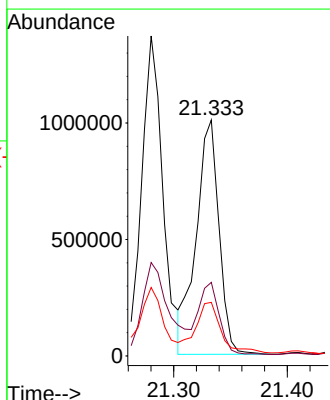
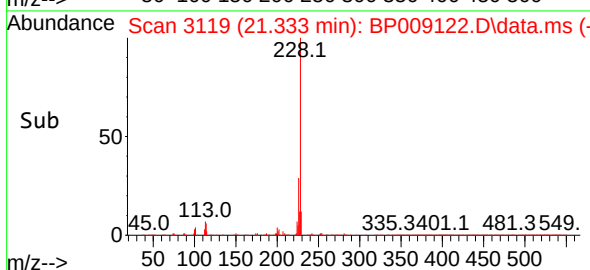
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

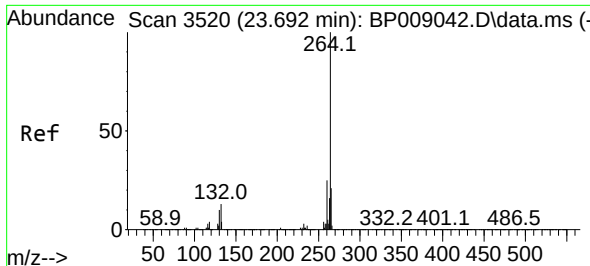


#83
Chrysene
Concen: 13.993 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11



Tgt Ion:228 Resp: 1407743
Ion Ratio Lower Upper
228 100
226 31.2 26.0 39.0
229 22.7 16.9 25.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.686 min Scan# 3519
 Delta R.T. -0.006 min
 Lab File: BP009122.D
 Acq: 11 Feb 2022 20:11

Instrument :

BNA_P

ClientSampleId :

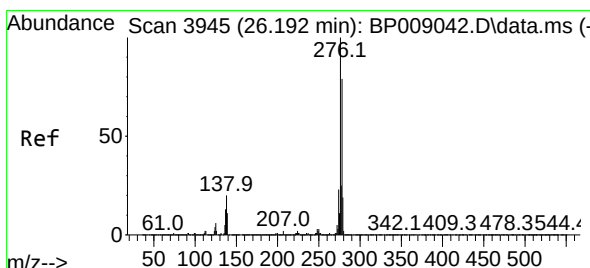
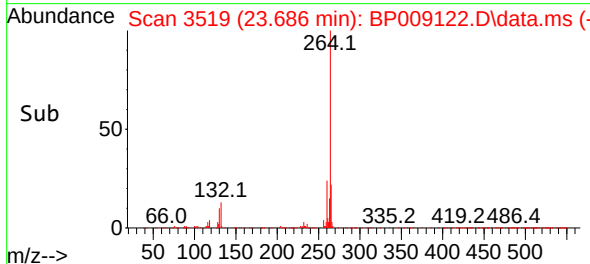
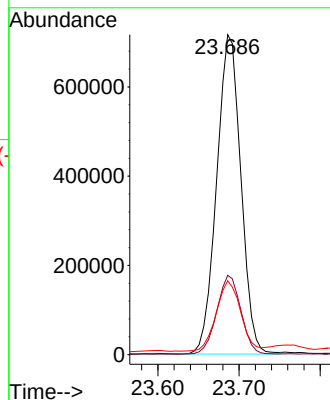
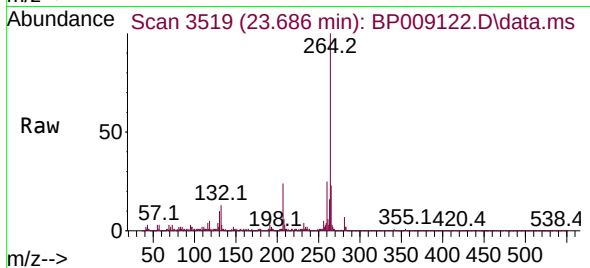
VAULT-03-WASTE

Tgt Ion:264 Resp: 1483378
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.1 28.7
 265 23.1 17.1 25.7

Manual Integrations

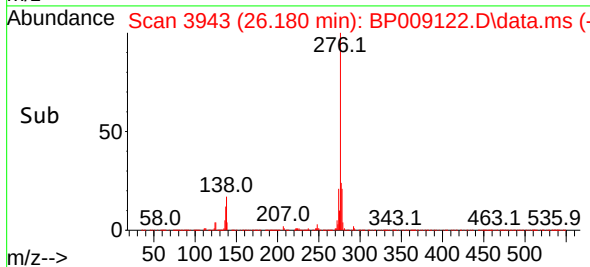
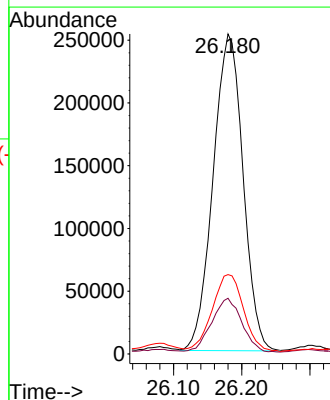
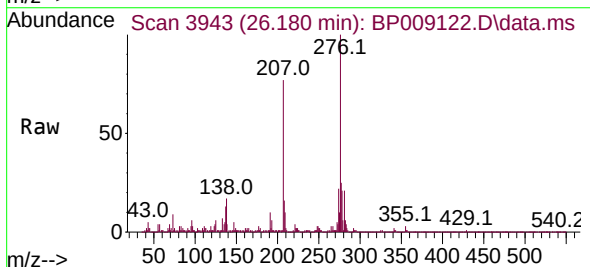
APPROVED

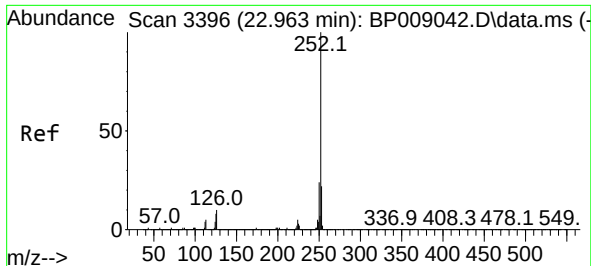
Reviewed By :Jagrut Upadhyay 02/14/2022
 Supervised By :mohammad ahmed 02/15/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.993 ng
 RT: 26.180 min Scan# 3943
 Delta R.T. -0.012 min
 Lab File: BP009122.D
 Acq: 11 Feb 2022 20:11

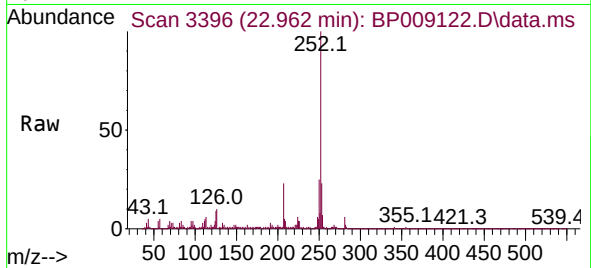
Tgt Ion:276 Resp: 770796
 Ion Ratio Lower Upper
 276 100
 138 17.1 17.8 26.6#
 277 25.4 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 19.121 ng
RT: 22.962 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

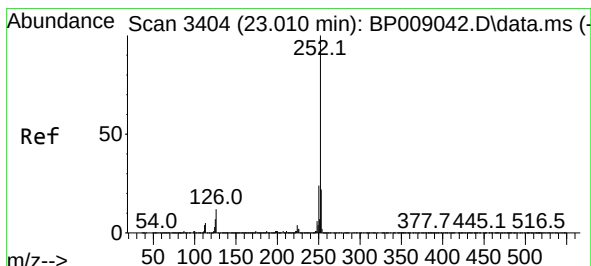
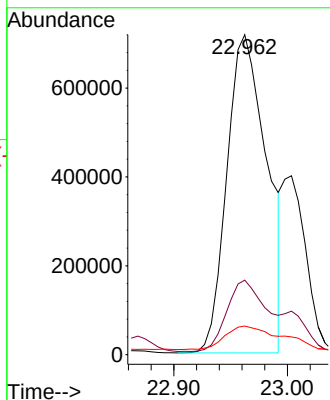
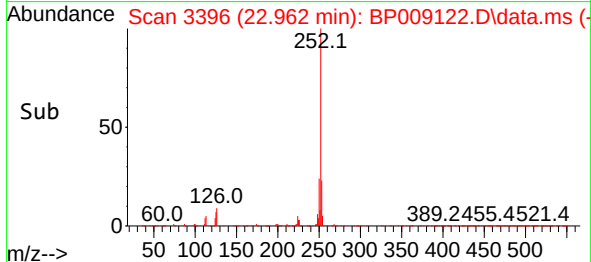
Instrument :
BNA_P
ClientSampleId :
VAULT-03-WASTE



Tgt Ion:252 Resp: 1746130
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 8.9 6.9 10.3

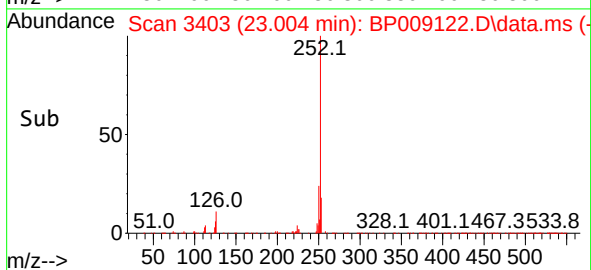
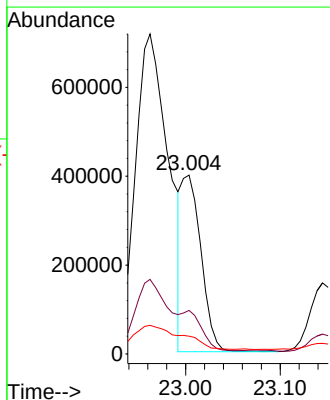
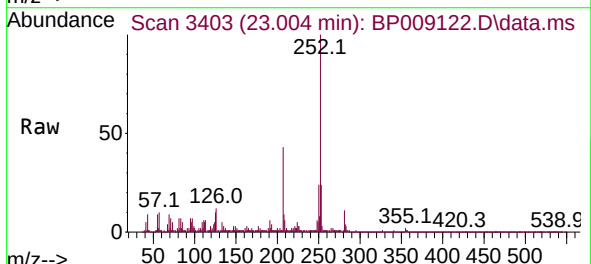
Manual Integrations
APPROVED

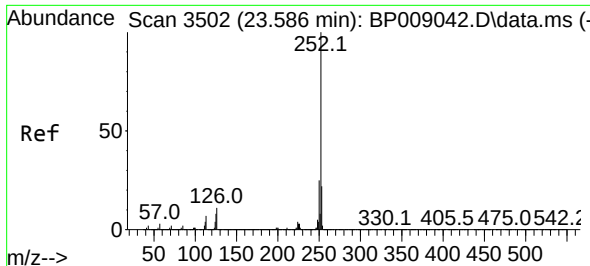
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#89
Benzo(k)fluoranthene
Concen: 6.221 ng m
RT: 23.004 min Scan# 3403
Delta R.T. -0.006 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

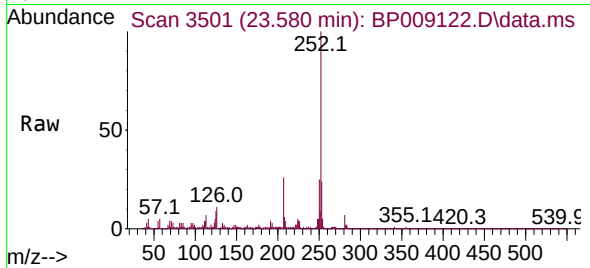
Tgt Ion:252 Resp: 566738
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.2
125 9.9 7.3 10.9





#90
Benzo(a)pyrene
Concen: 17.084 ng
RT: 23.580 min Scan# 3501
Delta R.T. -0.006 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11

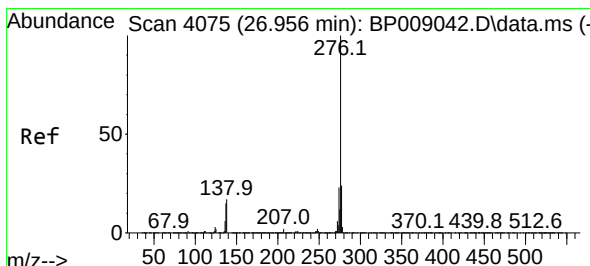
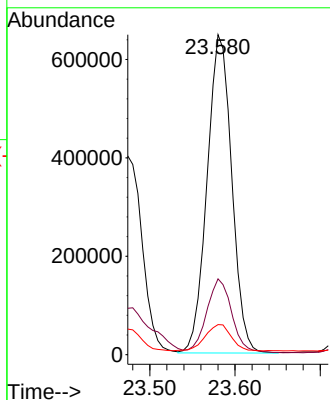
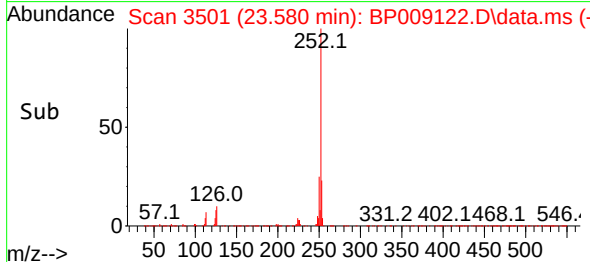
Instrument :
BNA_P
ClientSampleId :
VAULT-03-WASTE



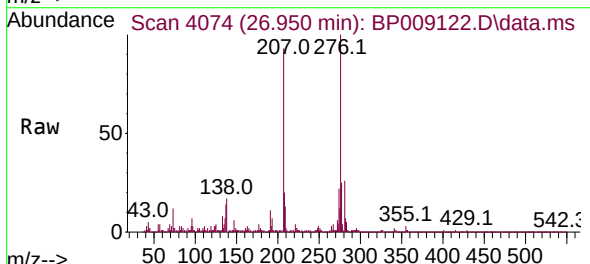
Tgt Ion:252 Resp: 1300659
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 9.4 7.8 11.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#92
Benzo(g,h,i)perylene
Concen: 8.089 ng
RT: 26.950 min Scan# 4074
Delta R.T. -0.006 min
Lab File: BP009122.D
Acq: 11 Feb 2022 20:11



Tgt Ion:276 Resp: 729531
Ion Ratio Lower Upper
276 100
277 25.0 19.2 28.8
138 17.1 15.0 22.4

