

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
 Data File : BP013582.D
 Acq On : 24 Jan 2023 21:36
 Operator : CG/JU
 Sample : 01190-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WS-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/25/2023
 Supervised By : Jagrut Upadhyay 01/25/2023

Quant Time: Jan 25 03:52:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 03:43:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.163	152	315544	20.000	ng	0.00
21) Naphthalene-d8	10.992	136	1033045	20.000	ng	# 0.00
39) Acenaphthene-d10	14.804	164	572836	20.000	ng	0.00
64) Phenanthrene-d10	17.557	188	1091287	20.000	ng	# 0.00
76) Chrysene-d12	21.621	240	1229895	20.000	ng	0.00
86) Perylene-d12	24.203	264	1463312	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1376171	74.724	ng	0.00
7) Phenol-d6	7.298	99	960146	38.737	ng	0.00
23) Nitrobenzene-d5	9.334	82	2213162	141.432	ng	0.00
42) 2,4,6-Tribromophenol	16.292	330	1030072	179.274	ng	0.00
45) 2-Fluorobiphenyl	13.427	172	4182401	100.220	ng	0.00
79) Terphenyl-d14	20.080	244	5946267	86.978	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.045	128	3649399	65.711	ng	# 94
37) 2-Methylnaphthalene	12.645	142	4474760	113.353	ng	99
38) 1-Methylnaphthalene	12.863	142	2730923m	73.622	ng	
46) 1,1'-Biphenyl	13.639	154	739428	16.073	ng	95
52) Acenaphthene	14.869	154	154185	4.428	ng	# 61
58) Fluorene	15.845	166	451029	10.629	ng	# 80
71) Phenanthrene	17.598	178	526385	8.669	ng	# 90
78) Pyrene	19.892	202	452089	4.807	ng	# 94
80) Butylbenzylphthalate	20.745	149	97000	3.240	ng	# 81
81) Benzo(a)anthracene	21.609	228	230403m	2.689	ng	
83) Chrysene	21.662	228	271541	3.313	ng	98
84) Bis(2-ethylhexyl)phtha...	21.509	149	226236	4.721	ng	97

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

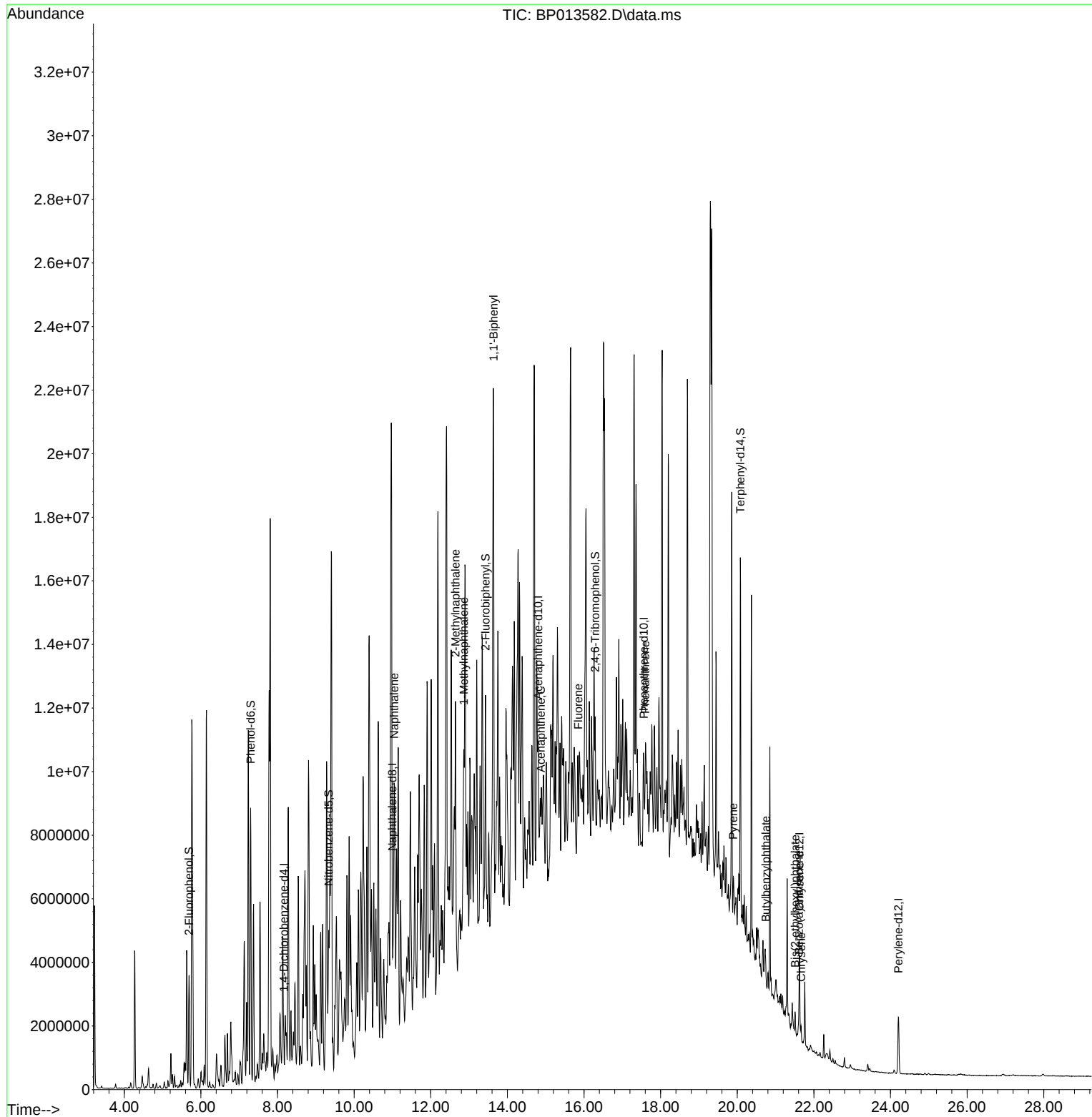
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
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ALS Vial : 13 Sample Multiplier: 1

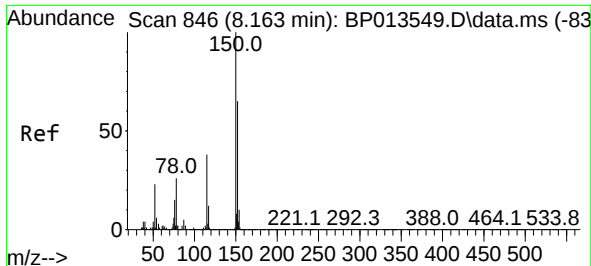
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 03:43:27 2023
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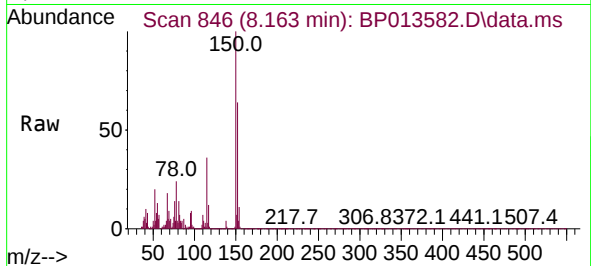
Reviewed By : Christian Giraldo 01/25/2023
Supervised By : Jagrut Upadhyay 01/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 846
Delta R.T. -0.001 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

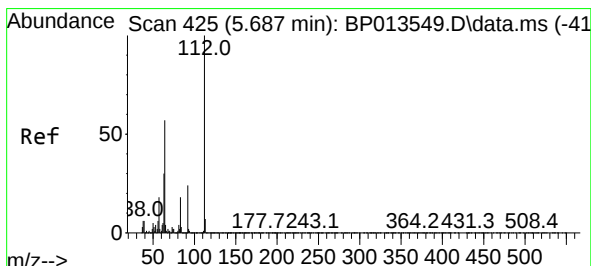
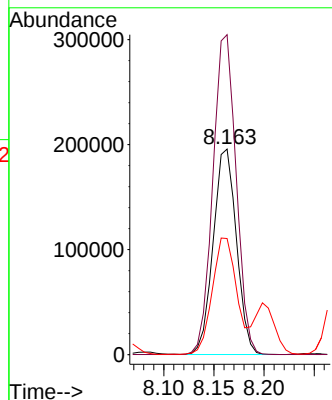
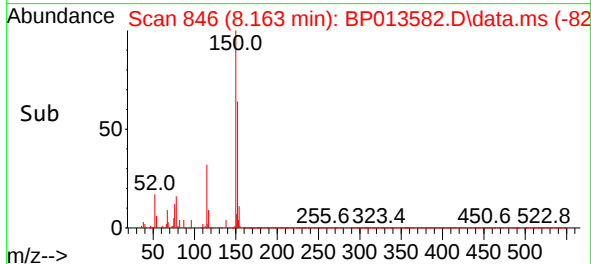
Instrument :
BNA_P
ClientSampleId :
WS-2



Tgt Ion:152 Resp: 315544
Ion Ratio Lower Upper
152 100
150 155.7 122.4 183.6
115 56.5 46.1 69.1

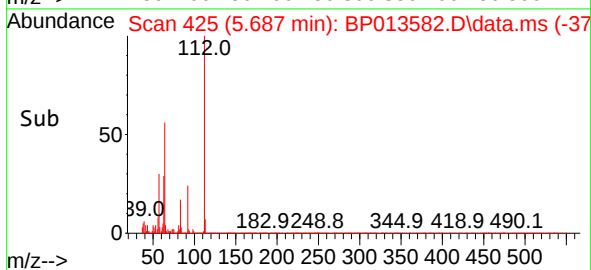
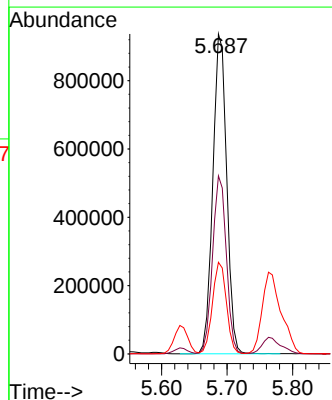
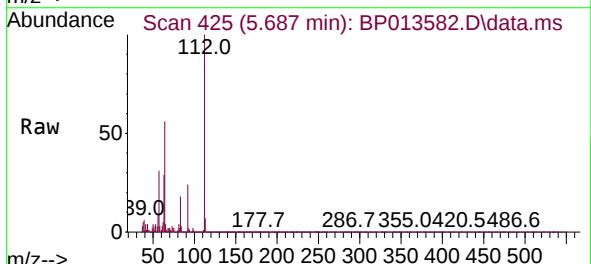
Manual Integrations
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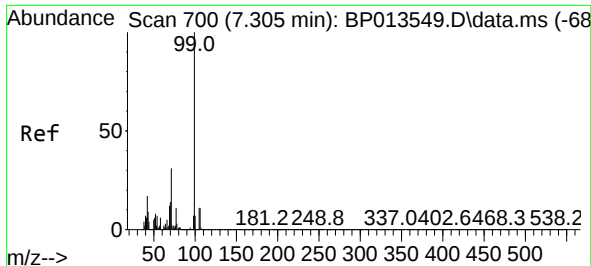
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#5
2-Fluorophenol
Concen: 74.724 ng
RT: 5.687 min Scan# 425
Delta R.T. -0.001 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

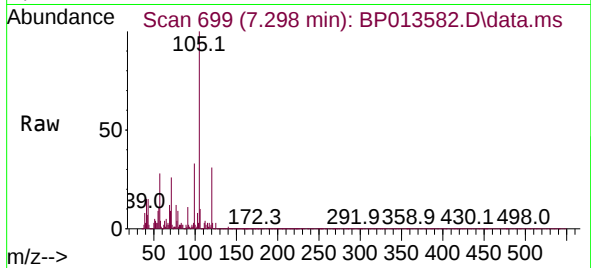
Tgt Ion:112 Resp: 1376171
Ion Ratio Lower Upper
112 100
64 55.6 45.4 68.0
63 28.6 24.1 36.1





#7
Phenol-d6
Concen: 38.737 ng
RT: 7.298 min Scan# 699
Delta R.T. -0.001 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

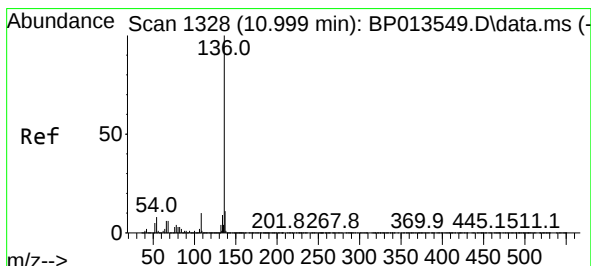
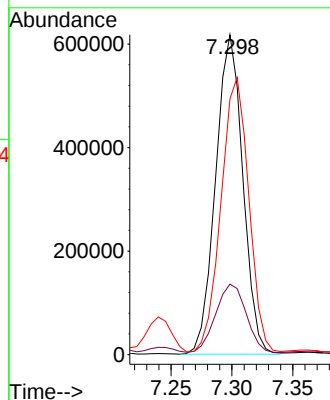
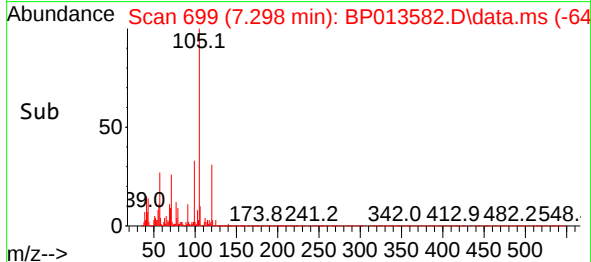
Instrument :
BNA_P
ClientSampleId :
WS-2



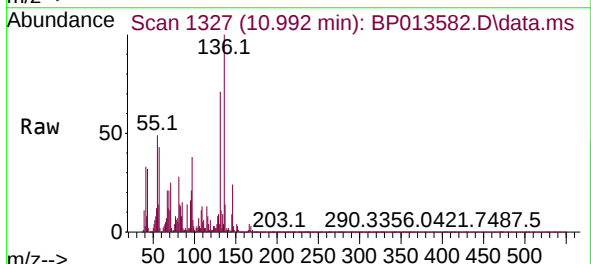
Tgt Ion: 99 Resp: 960146
Ion Ratio Lower Upper
99 100
42 22.0 14.0 21.0#
71 79.9 24.7 37.1#

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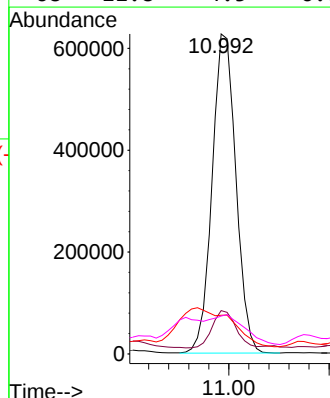
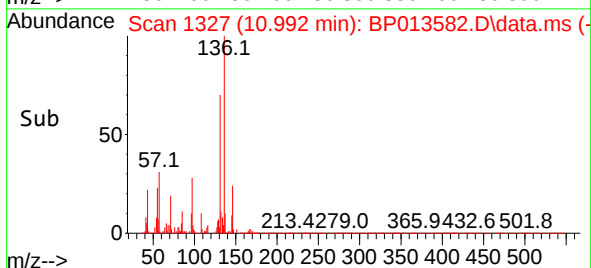
Reviewed By :Christian Giraldo 01/25/2023
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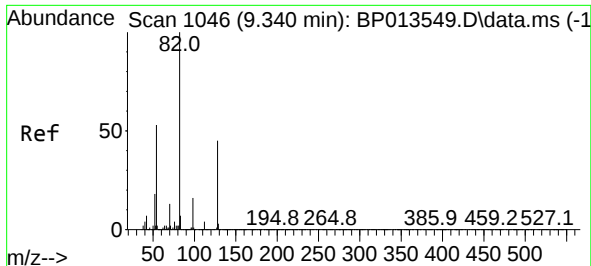


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.992 min Scan# 1327
Delta R.T. -0.001 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36



Tgt Ion:136 Resp: 1033045
Ion Ratio Lower Upper
136 100
137 13.5 9.0 13.4#
54 12.1 6.6 9.8#
68 11.8 4.5 6.7#





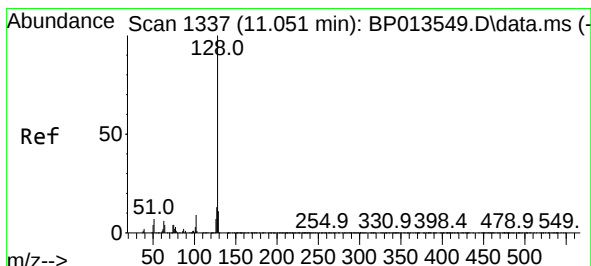
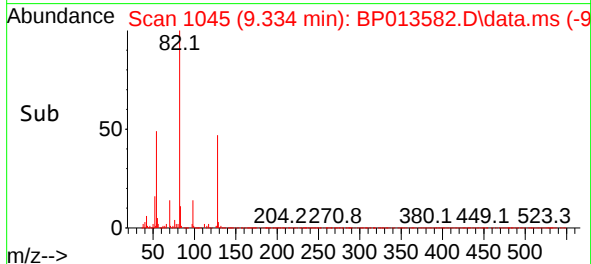
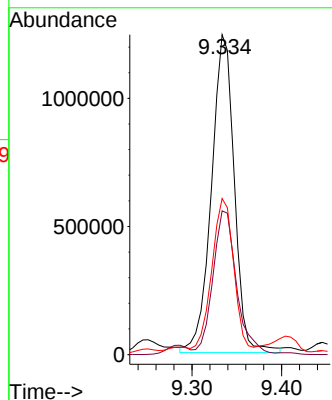
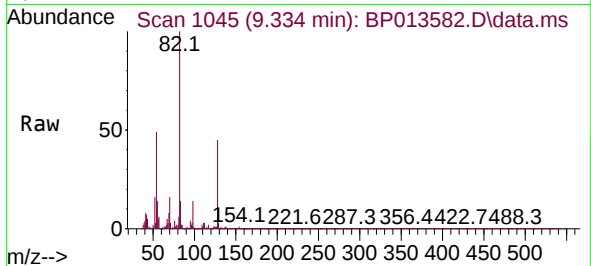
#23
Nitrobenzene-d5
Concen: 141.432 ng
RT: 9.334 min Scan# 1045
Delta R.T. -0.001 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

Instrument :
BNA_P
ClientSampleId :
WS-2

Tgt Ion: 82 Resp: 2213162
Ion Ratio Lower Upper
82 100
128 44.9 35.8 53.6
54 48.8 42.6 64.0

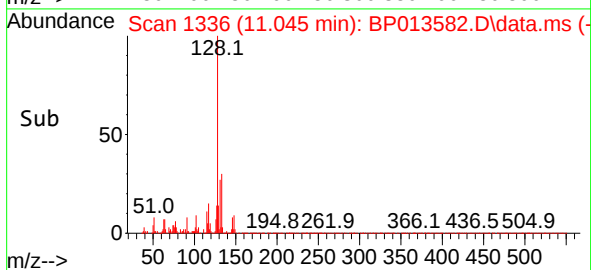
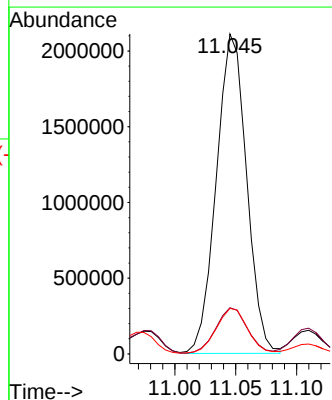
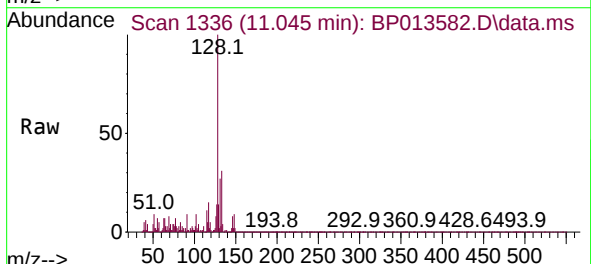
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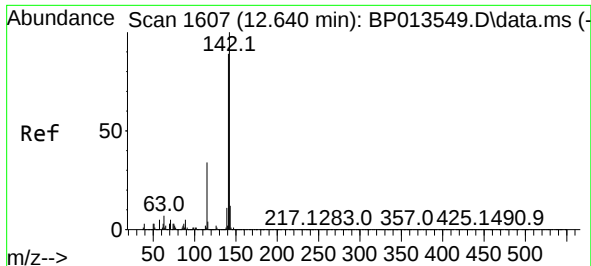
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#31
Naphthalene
Concen: 65.711 ng
RT: 11.045 min Scan# 1336
Delta R.T. -0.001 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

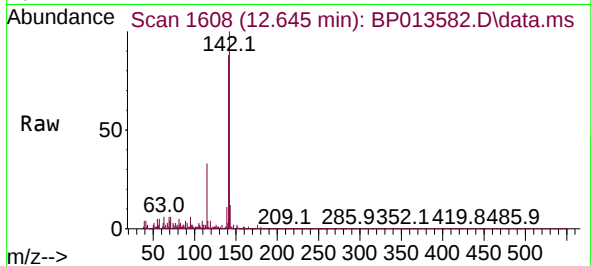
Tgt Ion:128 Resp: 3649399
Ion Ratio Lower Upper
128 100
129 14.4 8.5 12.7#
127 14.2 10.6 16.0





#37
2-Methylnaphthalene
Concen: 113.353 ng
RT: 12.645 min Scan# 1607
Delta R.T. 0.005 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

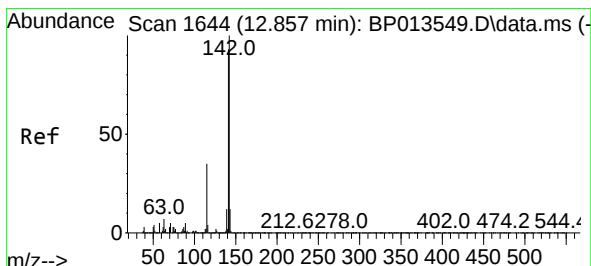
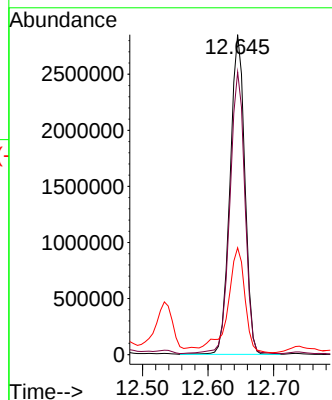
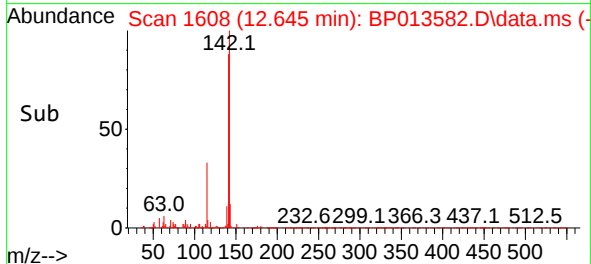
Instrument :
BNA_P
ClientSampleId :
WS-2



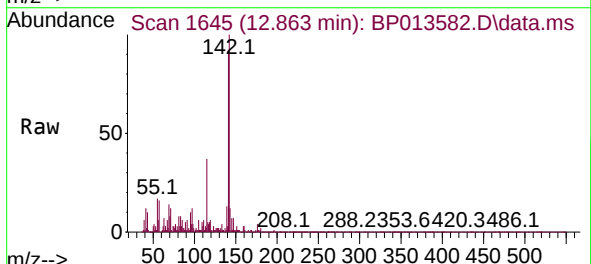
Tgt Ion:142 Resp: 4474760
Ion Ratio Lower Upper
142 100
141 88.3 71.4 107.2
115 33.4 27.4 41.2

Manual Integrations
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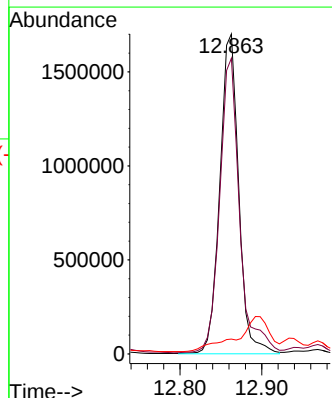
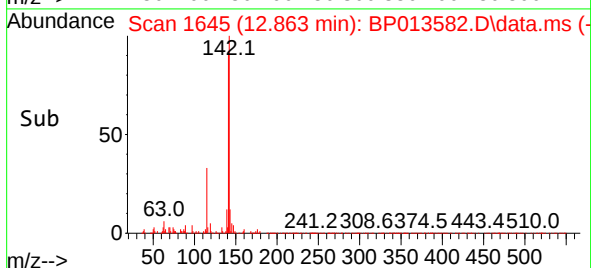
Reviewed By :Christian Giraldo 01/25/2023
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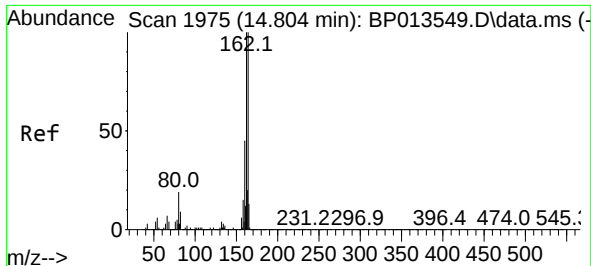


#38
1-Methylnaphthalene
Concen: 73.622 ng m
RT: 12.863 min Scan# 1645
Delta R.T. 0.005 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36



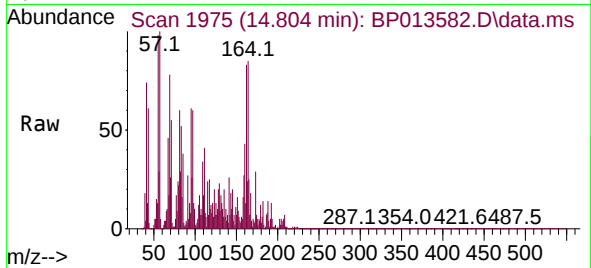
Tgt Ion:142 Resp: 2730923
Ion Ratio Lower Upper
142 100
141 92.4 74.3 111.5
116 4.6 3.0 4.6#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.804 min Scan# 1975
Delta R.T. 0.005 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

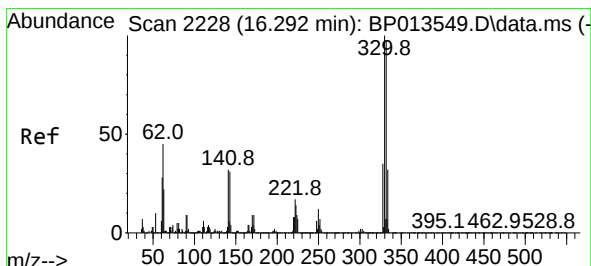
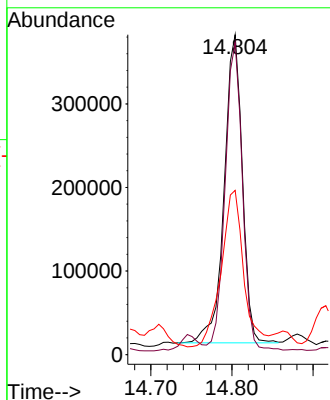
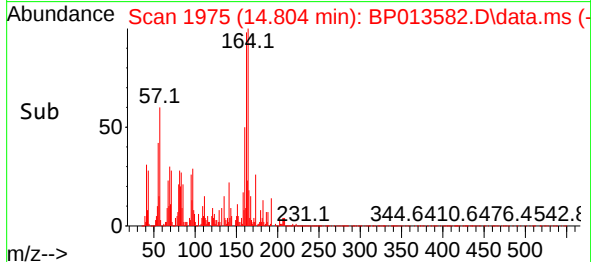
Instrument :
BNA_P
ClientSampleId :
WS-2



Tgt Ion:164 Resp: 572836
Ion Ratio Lower Upper
164 100
162 97.5 80.1 120.1
160 51.3 35.9 53.9

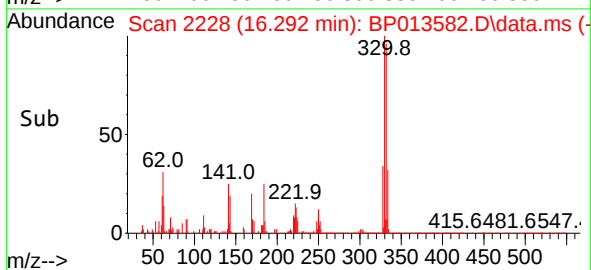
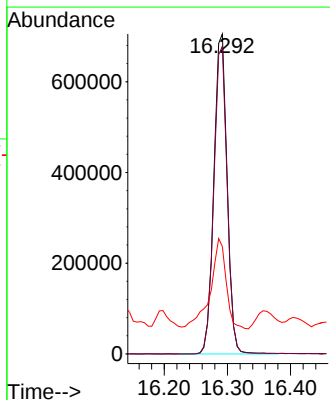
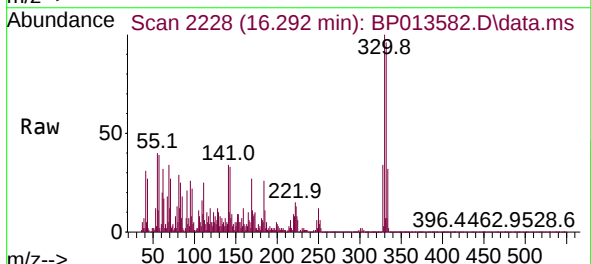
Manual Integrations
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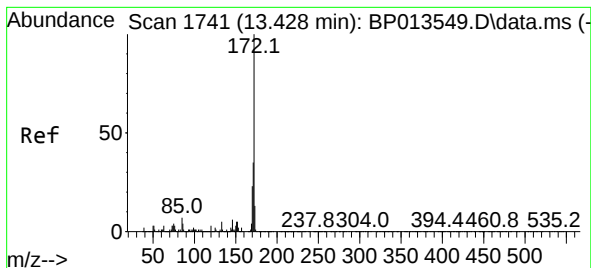
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#42
2,4,6-Tribromophenol
Concen: 179.274 ng
RT: 16.292 min Scan# 2228
Delta R.T. 0.005 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

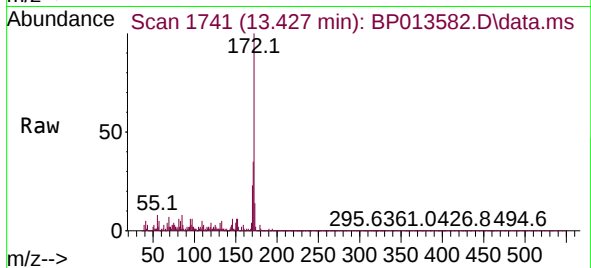
Tgt Ion:330 Resp: 1030072
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.2
141 33.9 27.6 41.4





#45
2-Fluorobiphenyl
Concen: 100.220 ng
RT: 13.427 min Scan# 1741
Delta R.T. -0.001 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

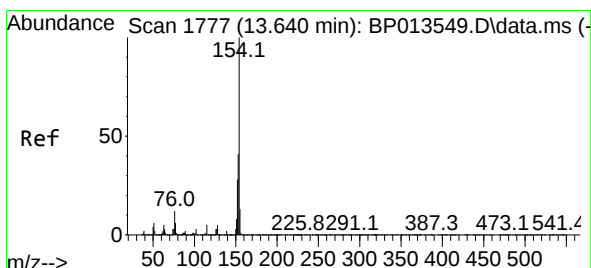
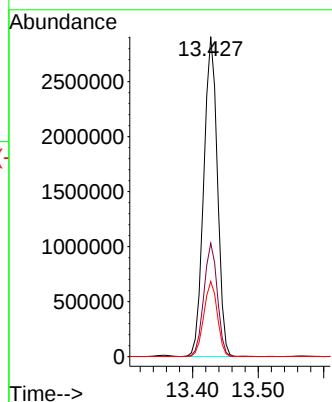
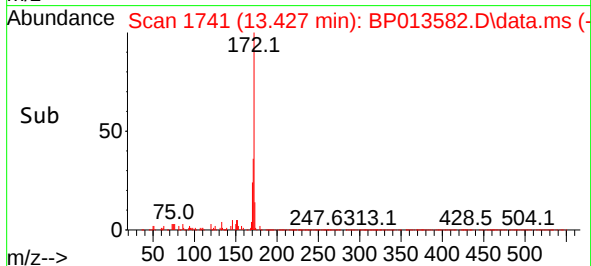
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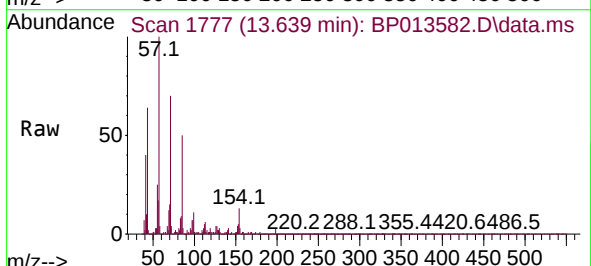
Tgt Ion:172 Resp: 4182401
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.8
170 23.5 18.6 27.8

Manual Integrations
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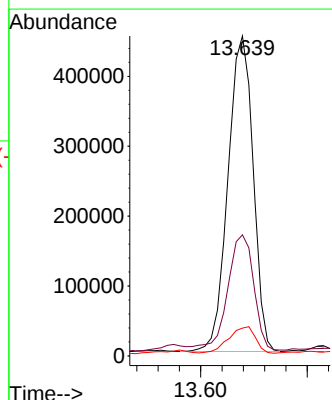
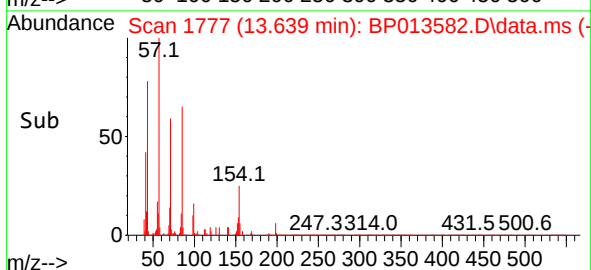
Reviewed By :Christian Giraldo 01/25/2023
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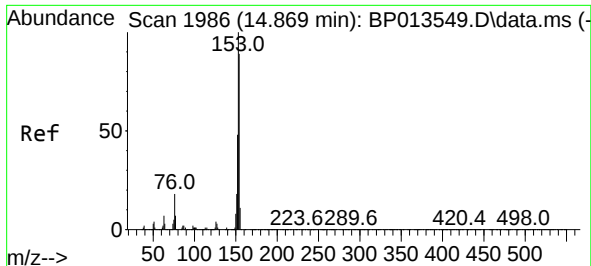


#46
1,1'-Biphenyl
Concen: 16.073 ng
RT: 13.639 min Scan# 1777
Delta R.T. 0.005 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36



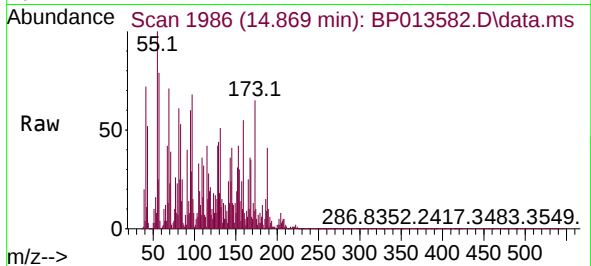
Tgt Ion:154 Resp: 739428
Ion Ratio Lower Upper
154 100
153 37.8 20.5 60.5
76 8.7 0.0 32.1





#52
Acenaphthene
Concen: 4.428 ng
RT: 14.869 min Scan# 1986
Delta R.T. 0.005 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

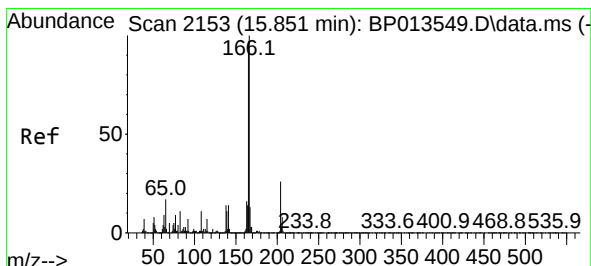
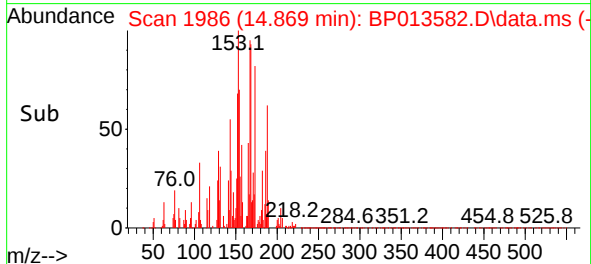
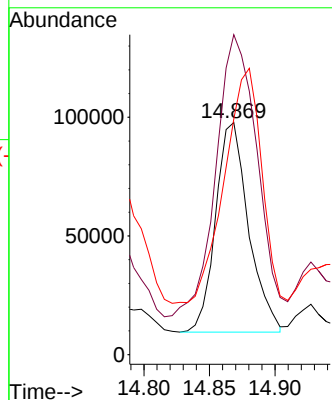
Instrument :
BNA_P
ClientSampleId :
WS-2



Tgt Ion:154 Resp: 154185
Ion Ratio Lower Upper
154 100
153 137.9 89.4 134.0
152 101.6 42.7 64.1

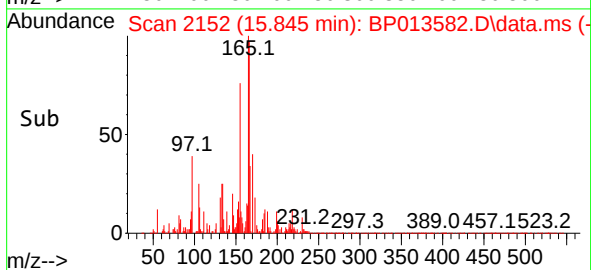
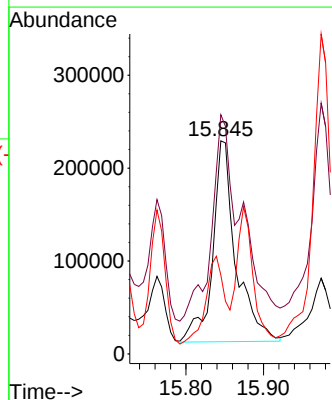
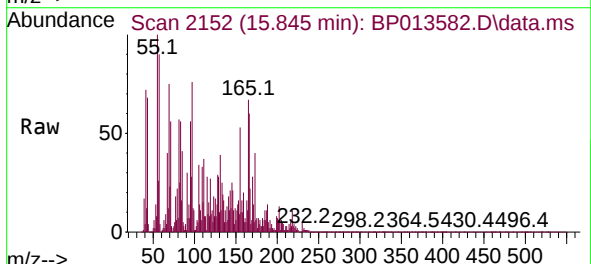
Manual Integrations
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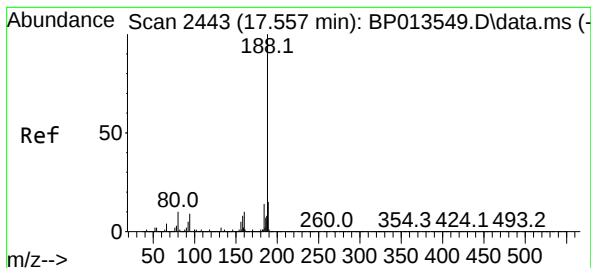
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#58
Fluorene
Concen: 10.629 ng
RT: 15.845 min Scan# 2152
Delta R.T. -0.001 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

Tgt Ion:166 Resp: 451029
Ion Ratio Lower Upper
166 100
165 112.2 77.8 116.8
167 37.0 10.7 16.1





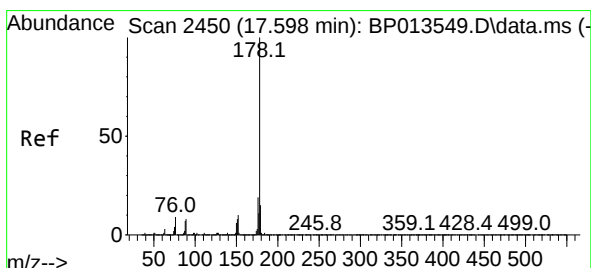
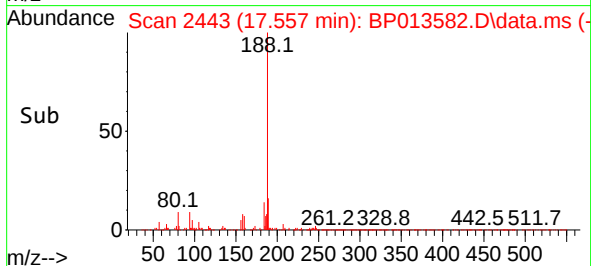
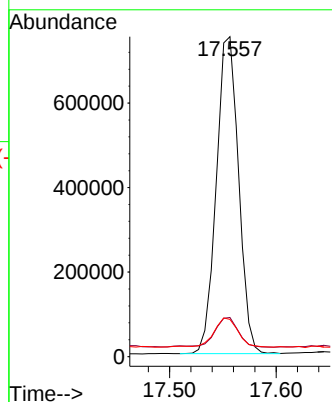
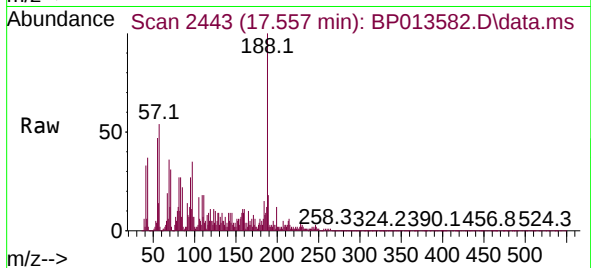
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.557 min Scan# 2443
Delta R.T. 0.005 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

Instrument :
BNA_P
ClientSampleId :
WS-2

Tgt Ion:188 Resp: 109128
Ion Ratio Lower Upper
188 100
94 12.2 7.2 10.8
80 11.7 8.2 12.2

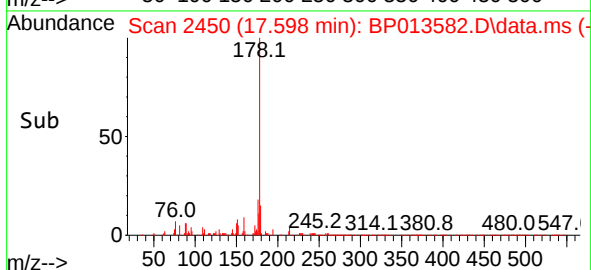
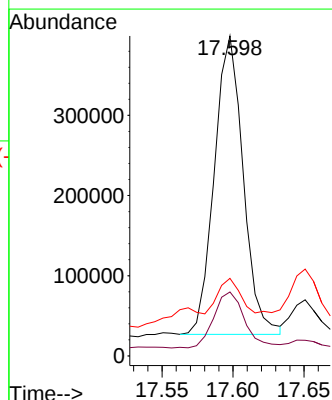
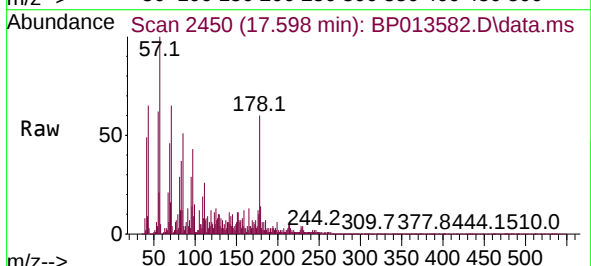
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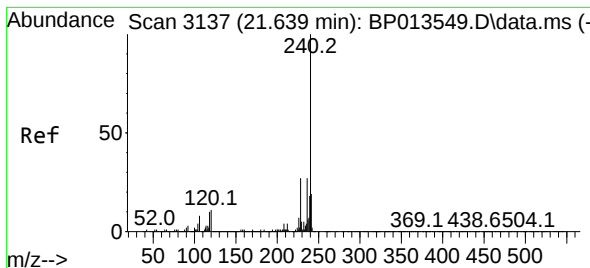
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#71
Phenanthrene
Concen: 8.669 ng
RT: 17.598 min Scan# 2450
Delta R.T. 0.005 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

Tgt Ion:178 Resp: 526385
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 24.2 12.2 18.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.621 min Scan# 3137

Delta R.T. -0.006 min

Lab File: BP013582.D

Acq: 24 Jan 2023 21:36

Instrument :

BNA_P

ClientSampleId :

WS-2

Tgt Ion:240 Resp: 1229895

Ion Ratio Lower Upper

240 100

120 11.6 8.6 13.0

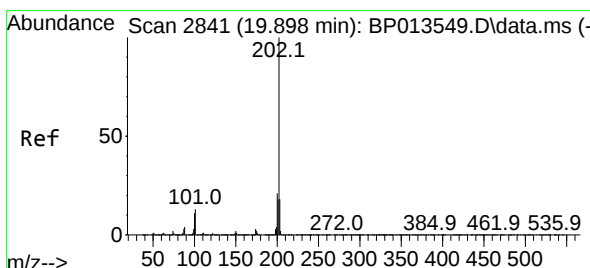
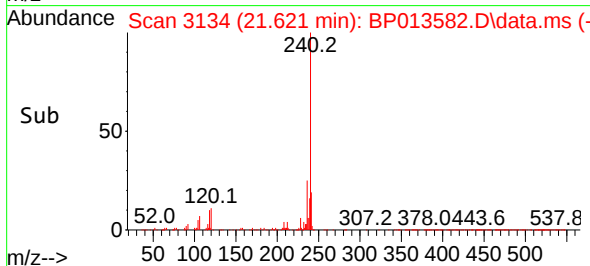
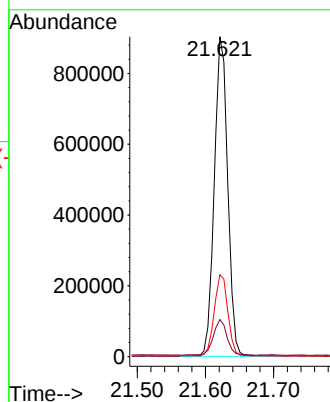
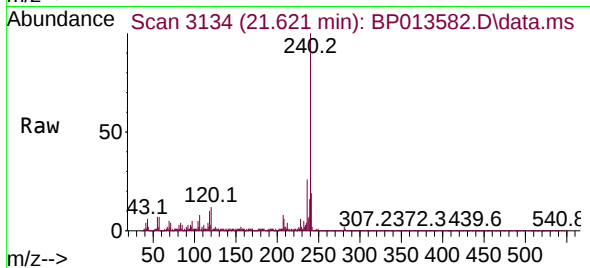
236 25.6 21.3 31.9

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Reviewed By :Christian Giraldo 01/25/2023

Supervised By :Jagrut Upadhyay 01/25/2023



#78

Pyrene

Concen: 4.807 ng

RT: 19.892 min Scan# 2840

Delta R.T. -0.001 min

Lab File: BP013582.D

Acq: 24 Jan 2023 21:36

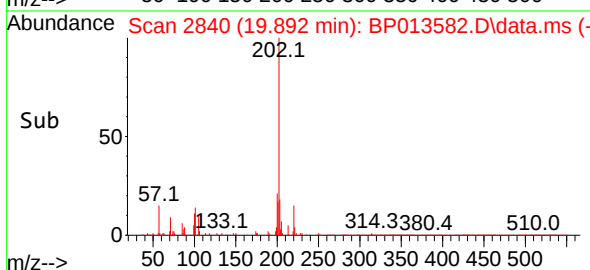
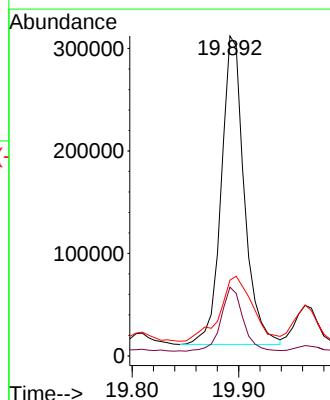
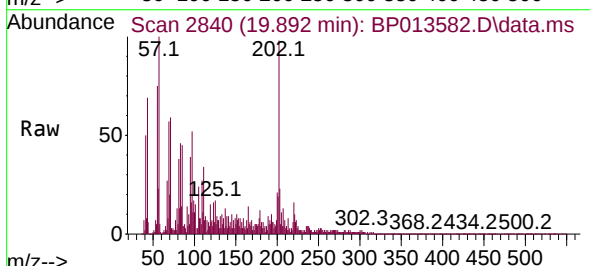
Tgt Ion:202 Resp: 452089

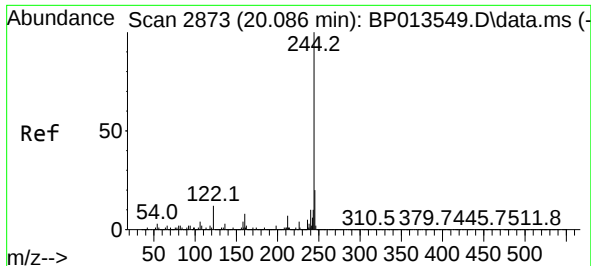
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

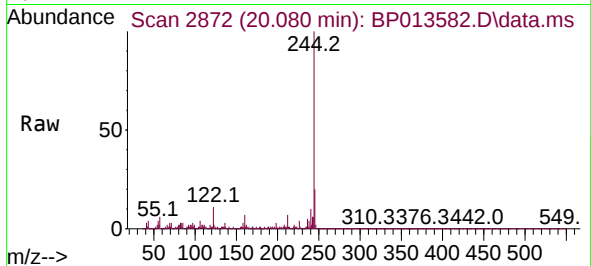
203 23.7 14.2 21.2#





#79
 Terphenyl-d14
 Concen: 86.978 ng
 RT: 20.080 min Scan# 2873
 Delta R.T. -0.001 min
 Lab File: BP013582.D
 Acq: 24 Jan 2023 21:36

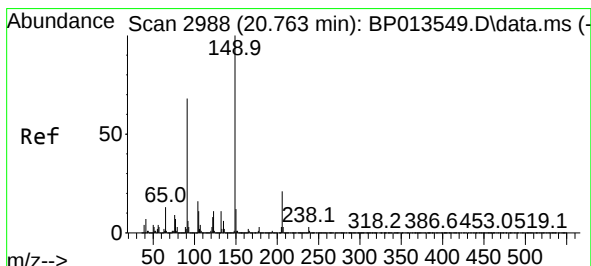
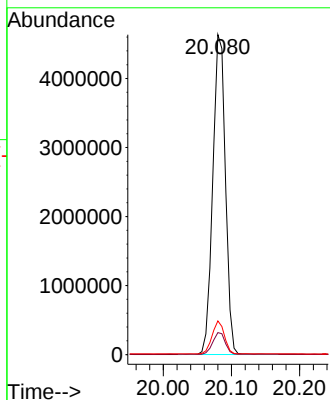
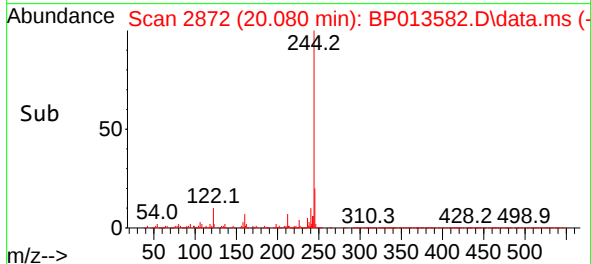
Instrument :
 BNA_P
 ClientSampleId :
 WS-2



Tgt Ion:244 Resp: 594626
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 10.5 9.2 13.8

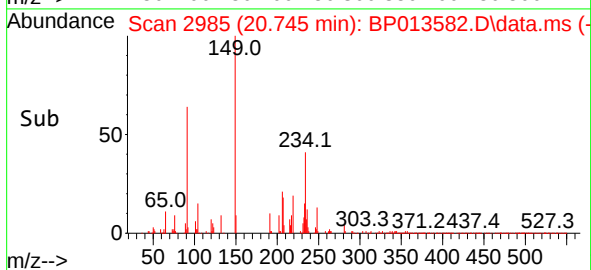
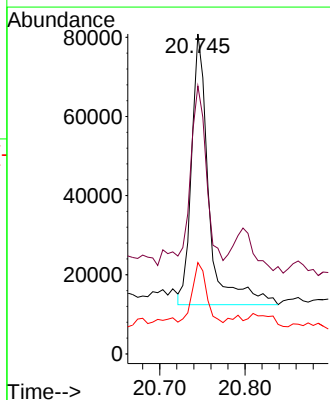
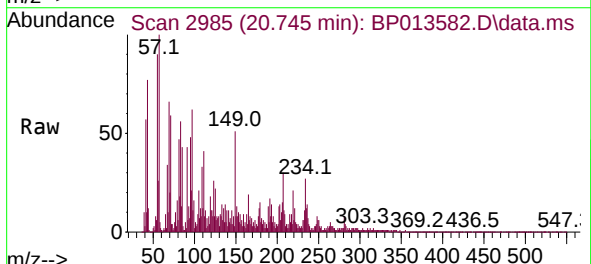
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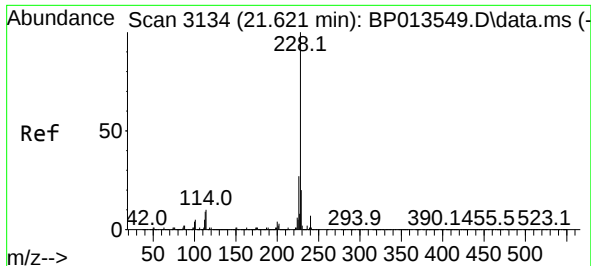
Reviewed By :Christian Giraldo 01/25/2023
 Supervised By :Jagrut Upadhyay 01/25/2023



#80
 Butylbenzylphthalate
 Concen: 3.240 ng
 RT: 20.745 min Scan# 2985
 Delta R.T. -0.006 min
 Lab File: BP013582.D
 Acq: 24 Jan 2023 21:36

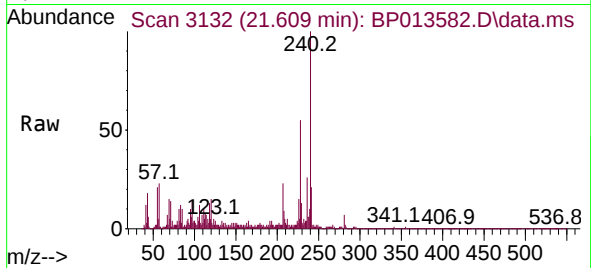
Tgt Ion:149 Resp: 97000
 Ion Ratio Lower Upper
 149 100
 91 83.7 54.6 81.8#
 206 28.5 16.7 25.1#





#81
Benzo(a)anthracene
Concen: 2.689 ng m
RT: 21.609 min Scan# 3134
Delta R.T. -0.001 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

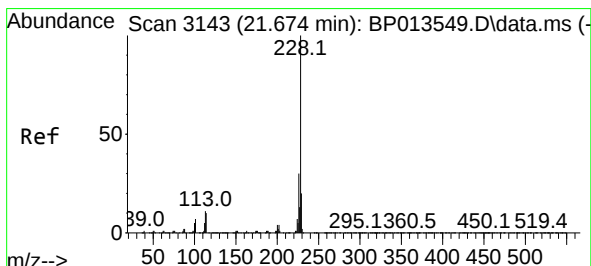
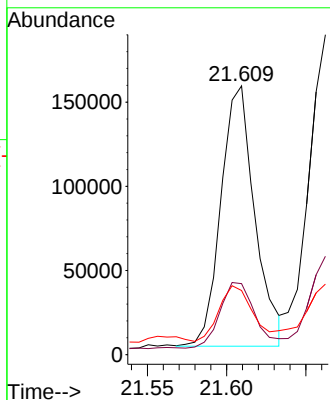
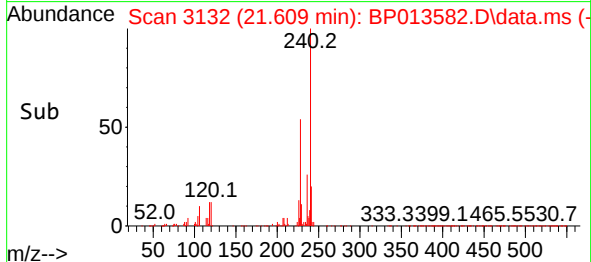
Instrument :
BNA_P
ClientSampleId :
WS-2



Tgt Ion:228 Resp: 230403
Ion Ratio Lower Upper
228 100
226 26.4 21.8 32.8
229 23.9 15.8 23.6

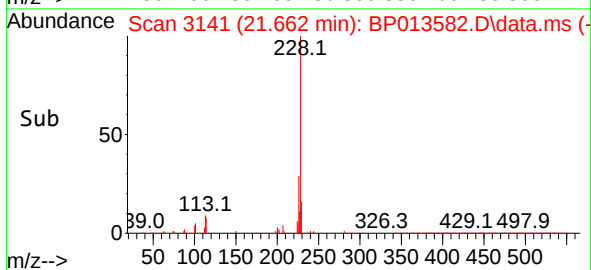
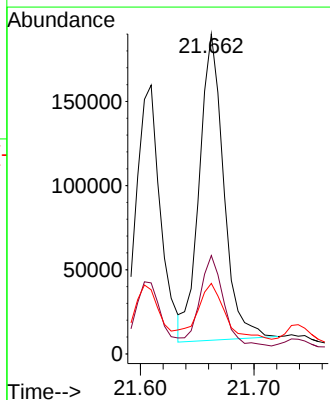
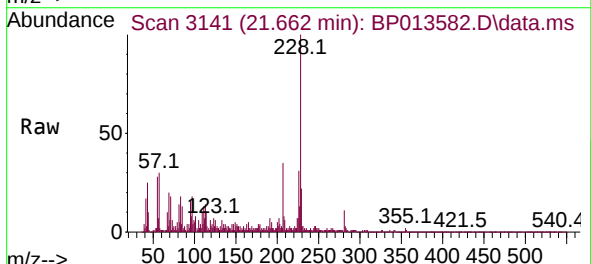
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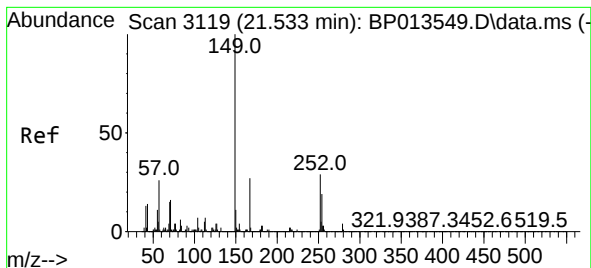
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#83
Chrysene
Concen: 3.313 ng
RT: 21.662 min Scan# 3141
Delta R.T. -0.006 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

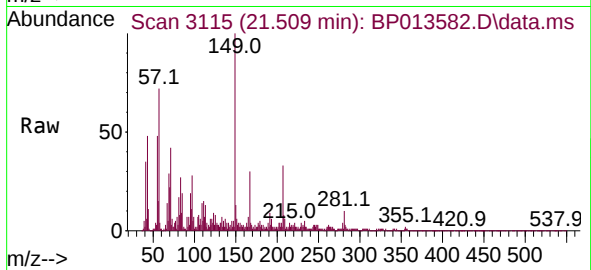
Tgt Ion:228 Resp: 271541
Ion Ratio Lower Upper
228 100
226 30.7 24.1 36.1
229 22.0 16.2 24.2





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.721 ng
RT: 21.509 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

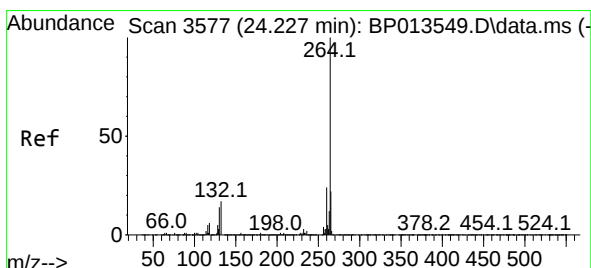
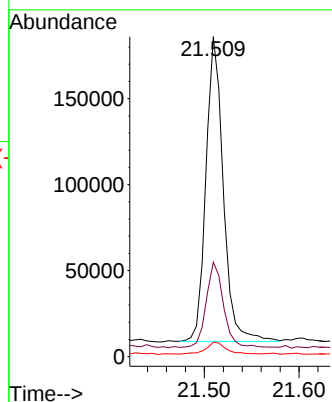
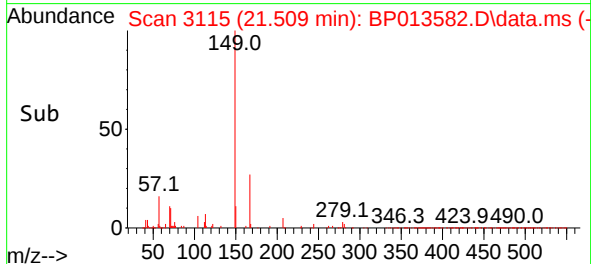
Instrument :
BNA_P
ClientSampleId :
WS-2



Tgt Ion:149 Resp: 226236
Ion Ratio Lower Upper
149 100
167 29.5 22.0 33.0
279 4.5 3.5 5.3

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Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.203 min Scan# 3573
Delta R.T. -0.012 min
Lab File: BP013582.D
Acq: 24 Jan 2023 21:36

Tgt Ion:264 Resp: 1463312
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 22.0 17.4 26.2

