

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
 Data File : BF128905.D
 Acq On : 21 Jun 2022 19:00
 Operator : CG\JU
 Sample : N3384-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/22/2022
 Supervised By : Jagrut Upadhyay 06/22/2022

Quant Time: Jun 22 01:52:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 01:02:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	114936	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	431161	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	219097	20.000	ng	0.00
64) Phenanthrene-d10	11.274	188	323370	20.000	ng	0.00
76) Chrysene-d12	13.921	240	234581	20.000	ng	# 0.00
86) Perylene-d12	15.362	264	187632	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	764810	105.991	ng	0.00
7) Phenol-d6	6.410	99	990100	112.407	ng	0.00
23) Nitrobenzene-d5	7.322	82	689800	74.488	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	216252	83.536	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	1239837	79.269	ng	0.00
79) Terphenyl-d14	12.868	244	1008473	74.702	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.298	178	347618	21.432	ng	98
72) Anthracene	11.351	178	70317	4.380	ng	97
75) Fluoranthene	12.492	202	357457	21.084	ng	95
78) Pyrene	12.721	202	406333	23.282	ng	97
81) Benzo(a)anthracene	13.910	228	187516	12.824	ng	97
83) Chrysene	13.945	228	161544	11.588	ng	98
87) Indeno(1,2,3-cd)pyrene	16.780	276	49417	4.370	ng	# 91
88) Benzo(b)fluoranthene	14.951	252	166408m	13.880	ng	
89) Benzo(k)fluoranthene	14.974	252	40570m	3.597	ng	
90) Benzo(a)pyrene	15.304	252	107623	11.421	ng	97
92) Benzo(g,h,i)perylene	17.215	276	48147	5.179	ng	# 90

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

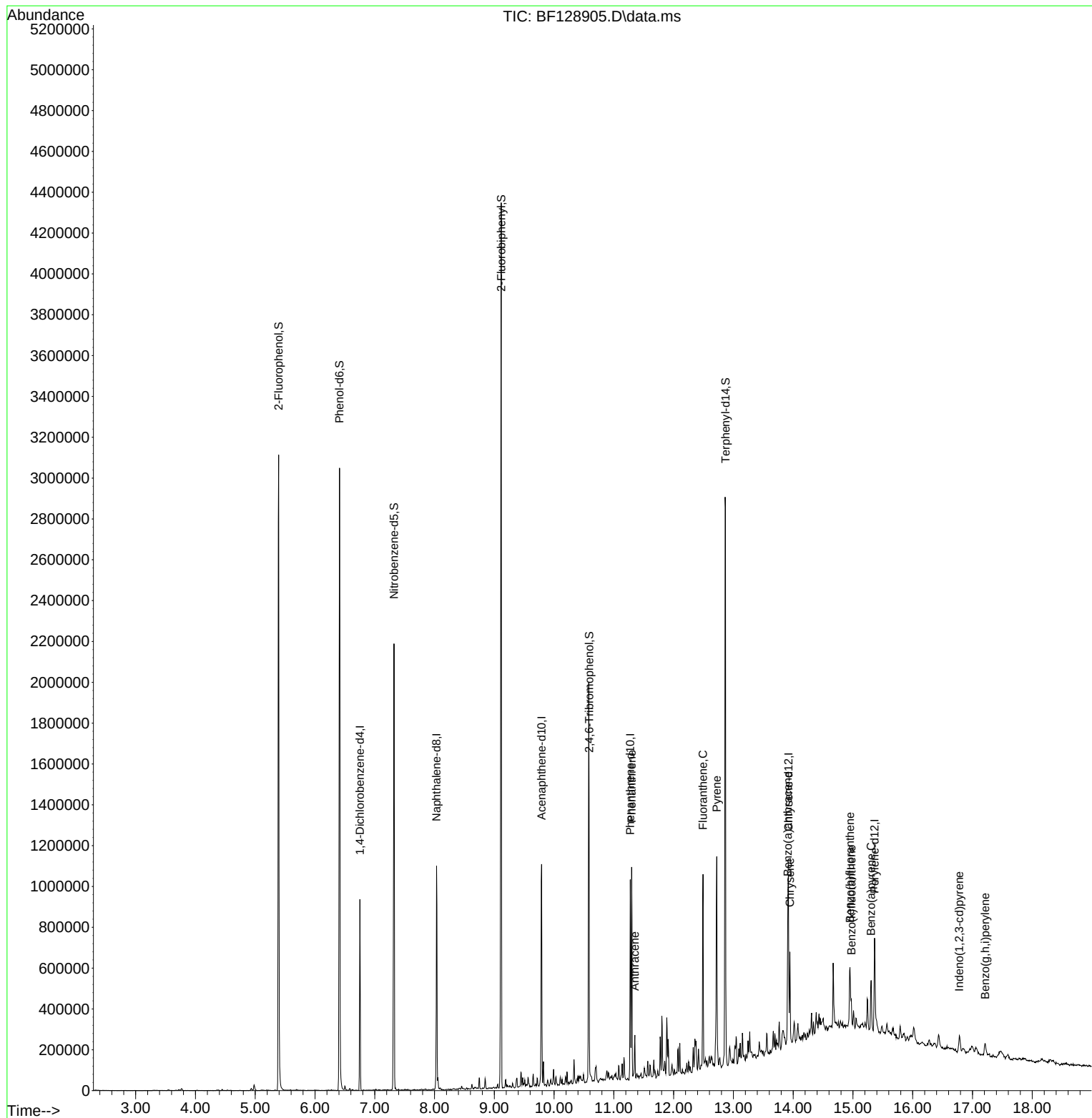
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
Data File : BF128905.D
Acq On : 21 Jun 2022 19:00
Operator : CG\JU
Sample : N3384-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

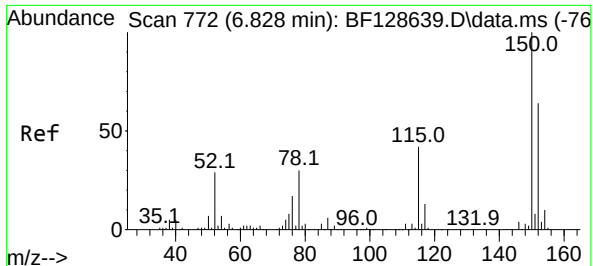
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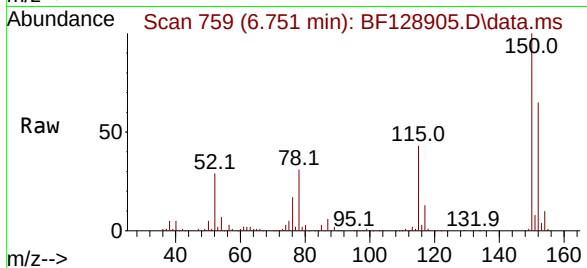
Quant Time: Jun 22 01:52:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 01:02:29 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

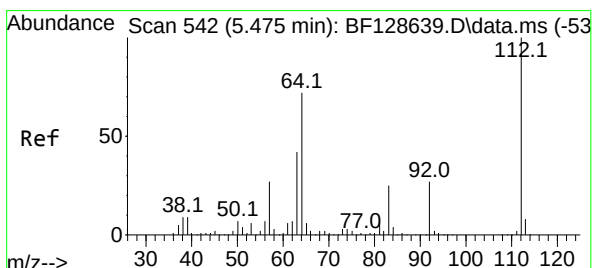
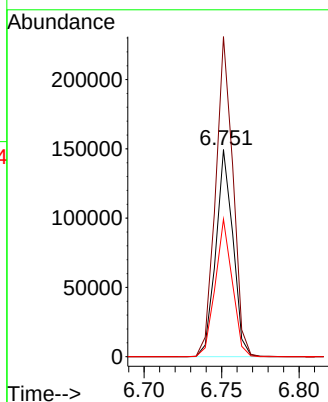
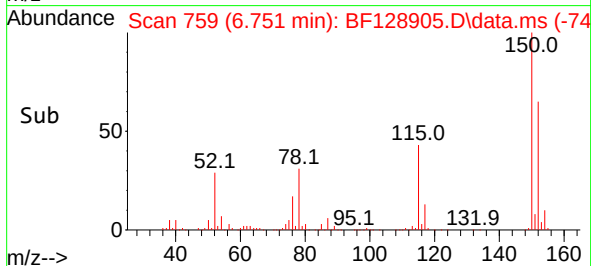
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion:152 Resp: 114930
Ion Ratio Lower Upper
152 100
150 154.6 123.7 185.5
115 66.3 49.9 74.9

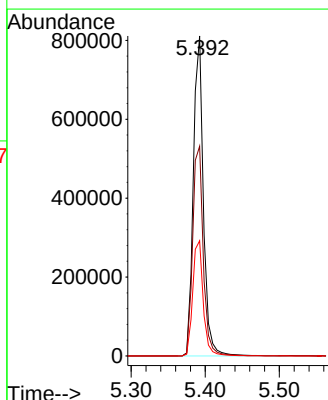
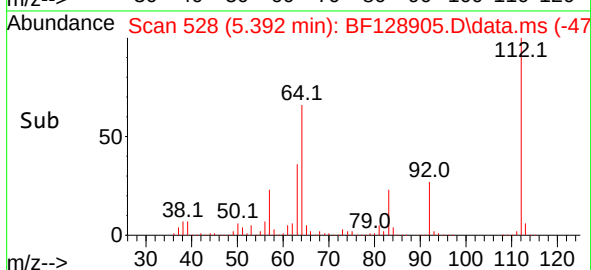
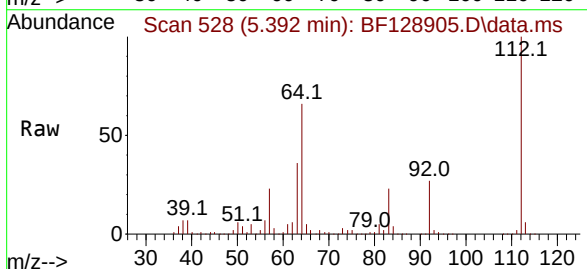
Manual Integrations
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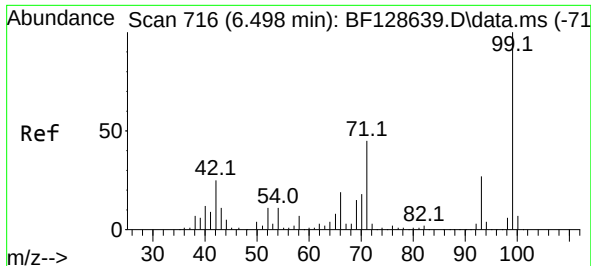
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#5
2-Fluorophenol
Concen: 105.991 ng
RT: 5.392 min Scan# 528
Delta R.T. 0.006 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

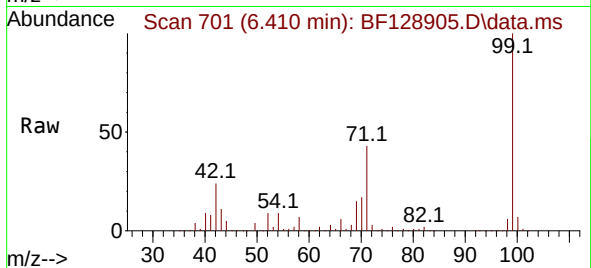
Tgt Ion:112 Resp: 764810
Ion Ratio Lower Upper
112 100
64 65.6 53.3 79.9
63 36.0 28.0 42.0





#7
Phenol-d6
Concen: 112.407 ng
RT: 6.410 min Scan# 701
Delta R.T. -0.006 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

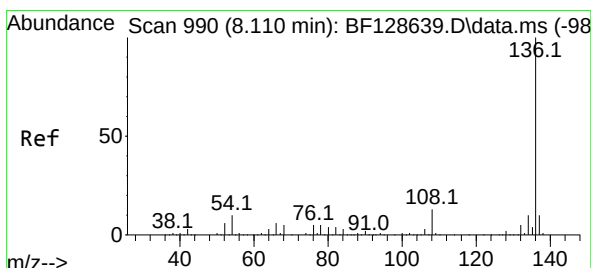
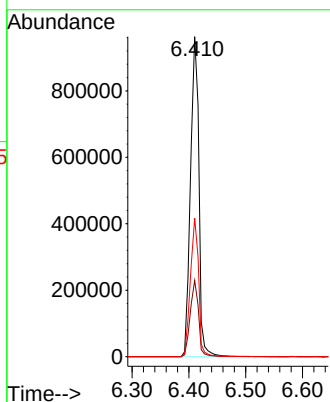
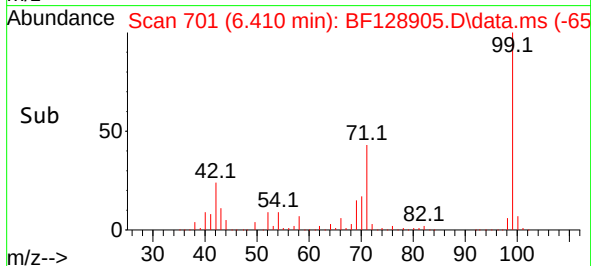
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion: 99 Resp: 990100
Ion Ratio Lower Upper
99 100
42 23.8 17.3 25.9
71 43.2 28.9 43.3

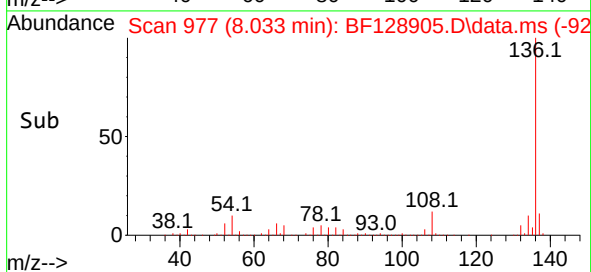
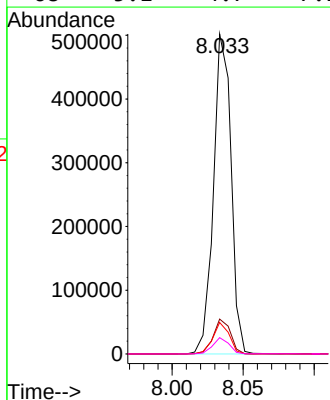
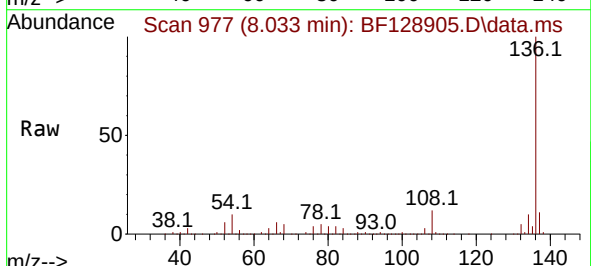
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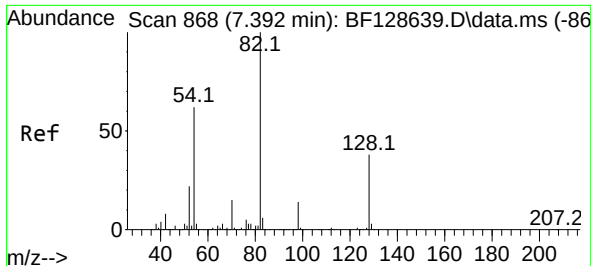
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 977
Delta R.T. -0.006 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

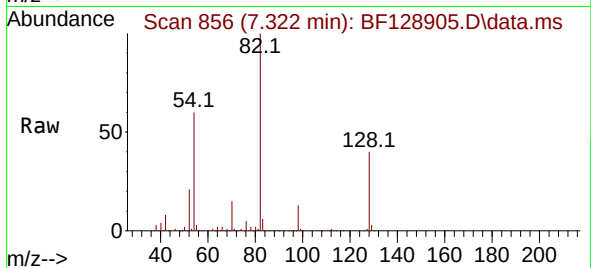
Tgt Ion:136 Resp: 431161
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.9 7.5 11.3
68 5.1 4.7 7.1





#23
Nitrobenzene-d5
Concen: 74.488 ng
RT: 7.322 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

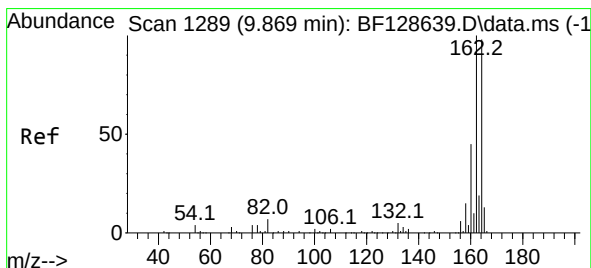
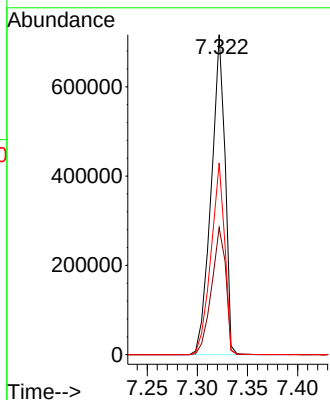
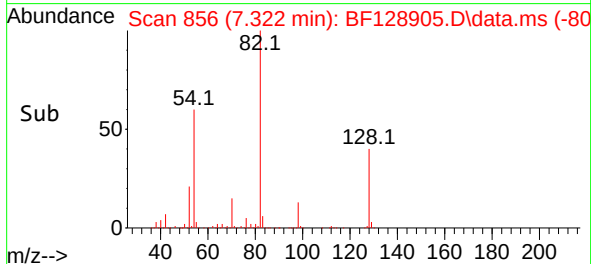
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion: 82 Resp: 689800
Ion Ratio Lower Upper
82 100
128 39.7 34.0 51.0
54 59.9 46.9 70.3

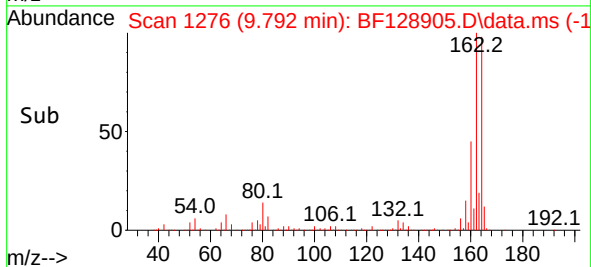
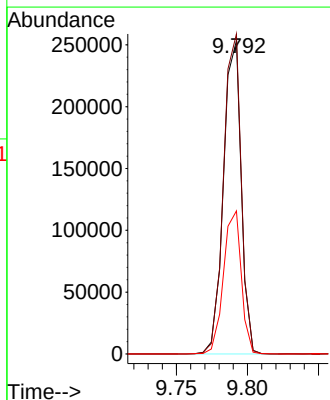
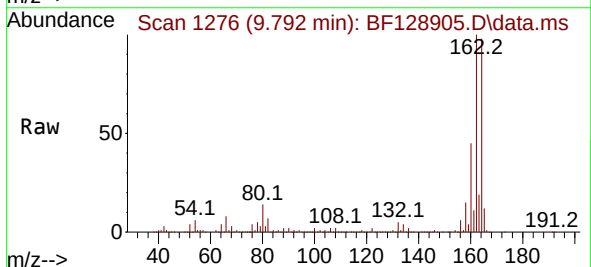
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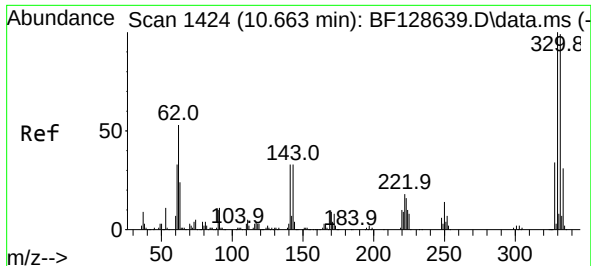
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1276
Delta R.T. -0.000 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

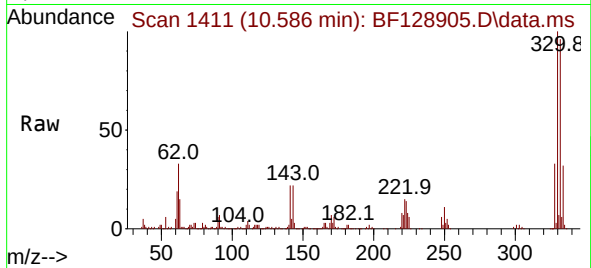
Tgt Ion:164 Resp: 219097
Ion Ratio Lower Upper
164 100
162 102.1 79.5 119.3
160 45.7 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 83.536 ng
RT: 10.586 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

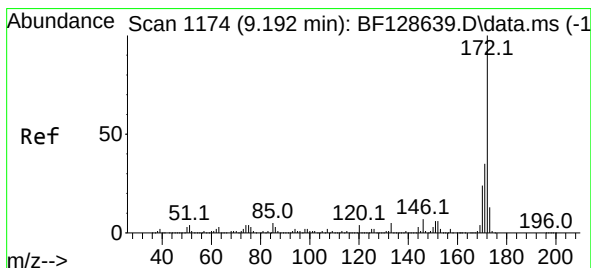
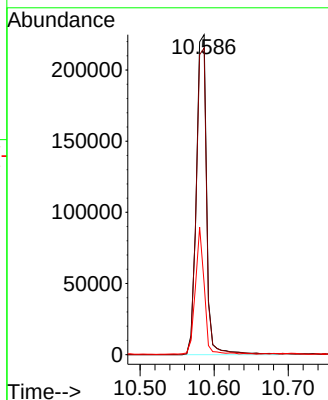
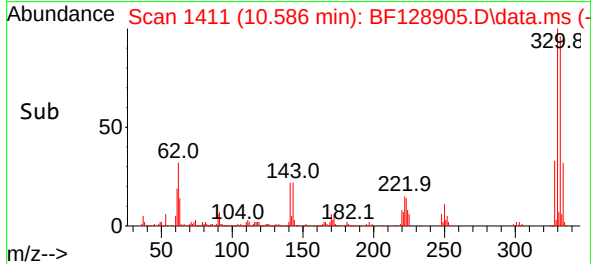
Instrument :
BNA_F
ClientSampleId :
WC-3



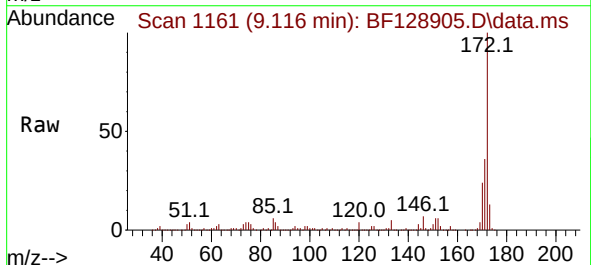
Tgt Ion: 330 Resp: 216252
Ion Ratio Lower Upper
330 100
332 96.6 76.8 115.2
141 34.7 28.0 42.0

Manual Integrations
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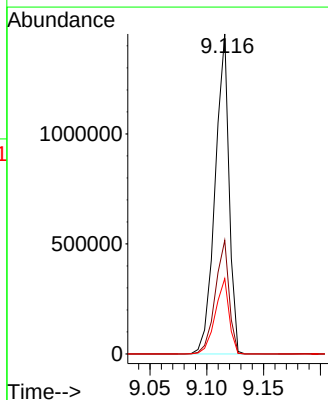
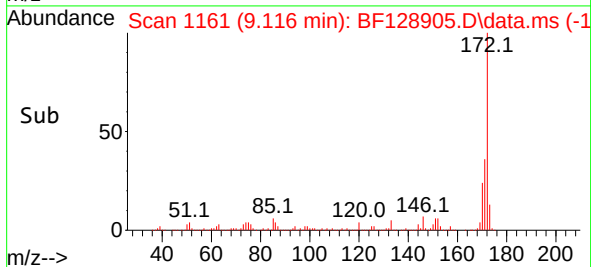
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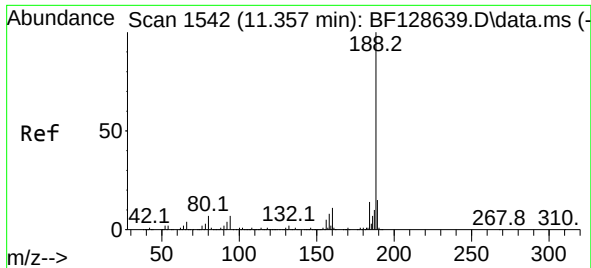


#45
2-Fluorobiphenyl
Concen: 79.269 ng
RT: 9.116 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00



Tgt Ion: 172 Resp: 1239837
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.6 19.8 29.8





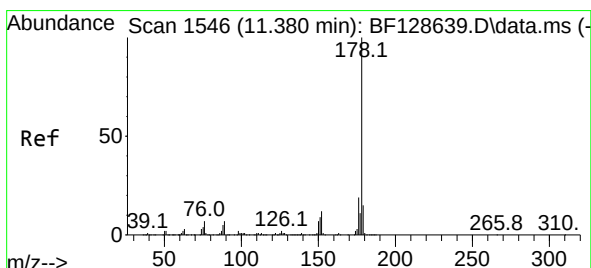
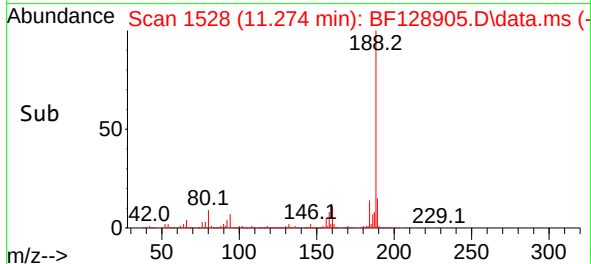
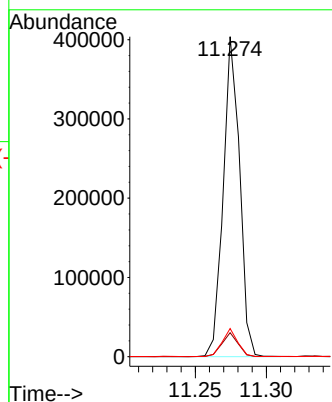
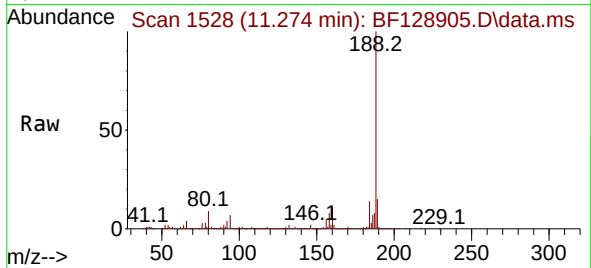
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.274 min Scan# 1532
Delta R.T. -0.006 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:188 Resp: 323370
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 8.8 7.6 11.4

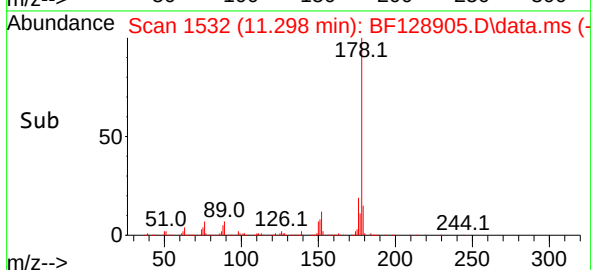
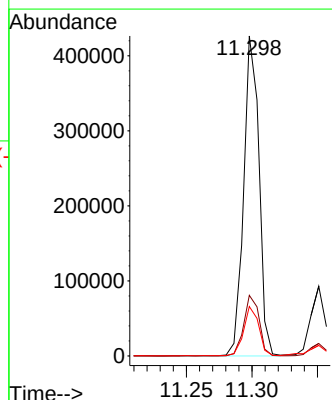
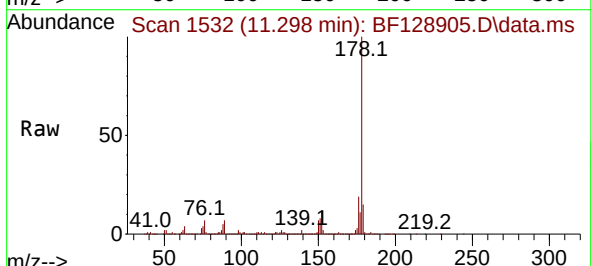
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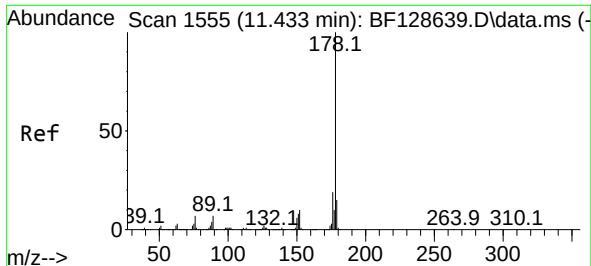
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#71
Phenanthrene
Concen: 21.432 ng
RT: 11.298 min Scan# 1532
Delta R.T. -0.012 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

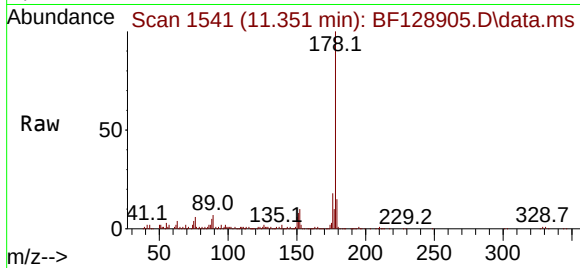
Tgt Ion:178 Resp: 347618
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.4 12.6 19.0





#72
 Anthracene
 Concen: 4.380 ng
 RT: 11.351 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128905.D
 Acq: 21 Jun 2022 19:00

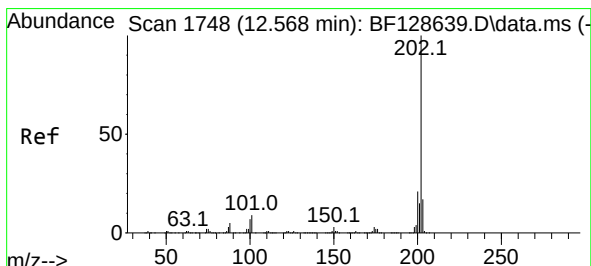
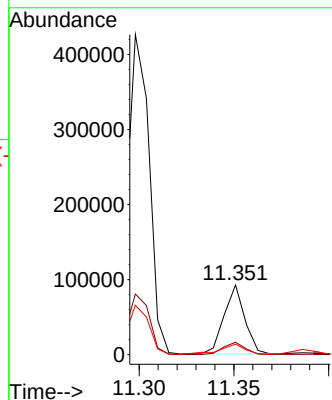
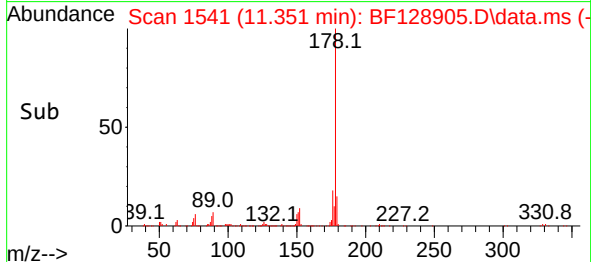
Instrument :
 BNA_F
 ClientSampleId :
 WC-3



Tgt Ion:178 Resp: 7031
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.4 23.2
 179 15.1 12.6 19.0

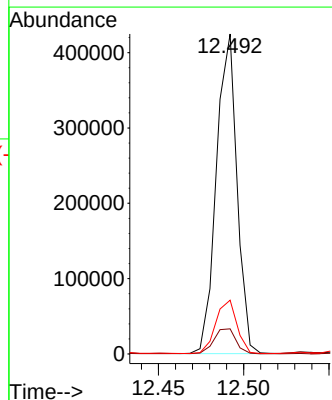
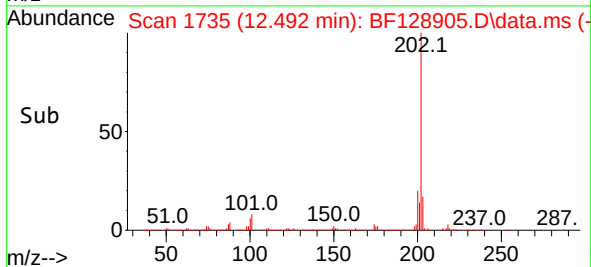
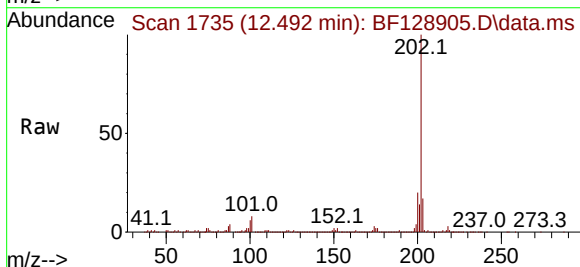
Manual Integrations
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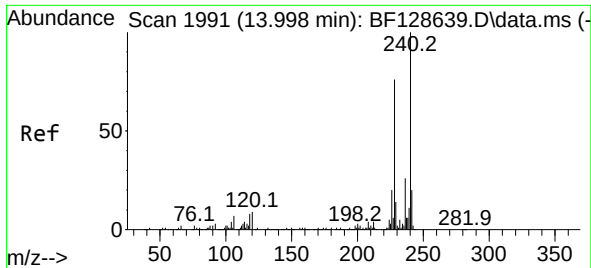
Reviewed By :Christian Giraldo 06/22/2022
 Supervised By :Jagrut Upadhyay 06/22/2022



#75
 Fluoranthene
 Concen: 21.084 ng
 RT: 12.492 min Scan# 1735
 Delta R.T. -0.006 min
 Lab File: BF128905.D
 Acq: 21 Jun 2022 19:00

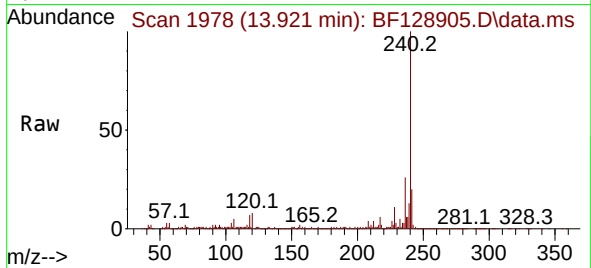
Tgt Ion:202 Resp: 357457
 Ion Ratio Lower Upper
 202 100
 101 7.9 0.0 31.4
 203 16.8 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.921 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

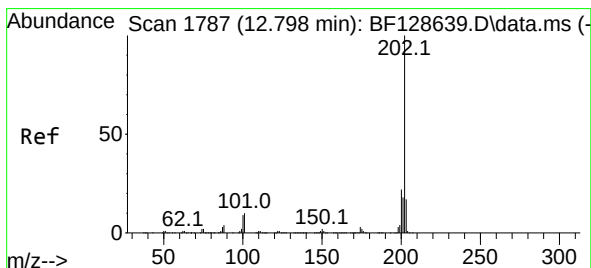
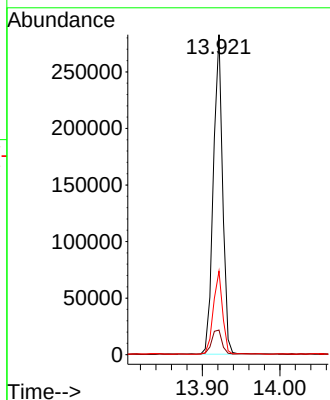
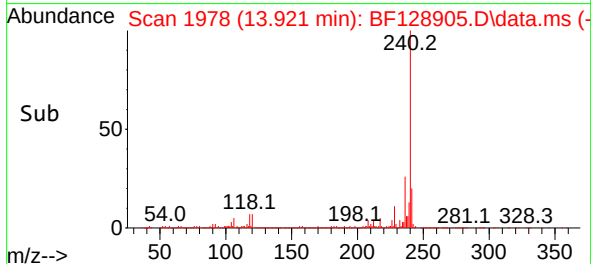
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion:240 Resp: 23458
Ion Ratio Lower Upper
240 100
120 7.7 8.9 13.3
236 26.1 20.8 31.2

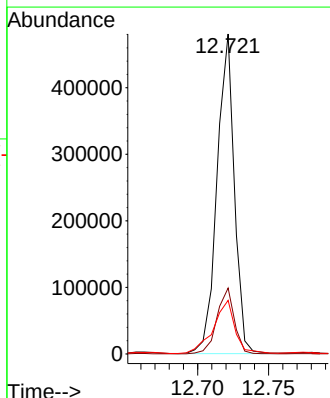
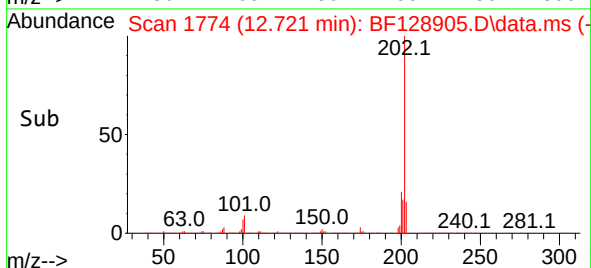
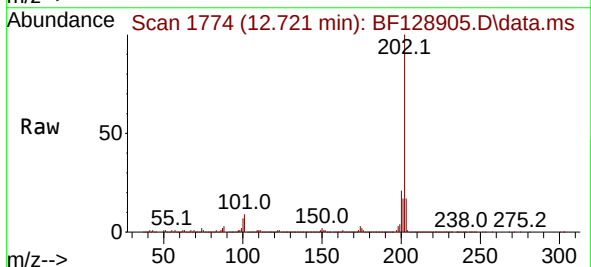
Manual Integrations
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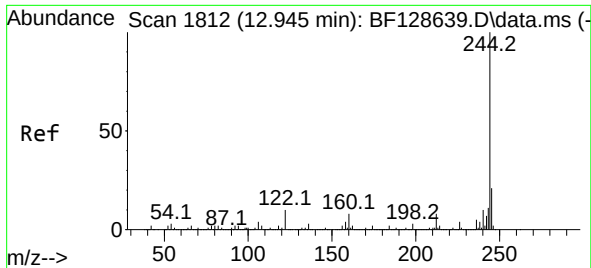
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#78
Pyrene
Concen: 23.282 ng
RT: 12.721 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

Tgt Ion:202 Resp: 406333
Ion Ratio Lower Upper
202 100
200 20.6 17.7 26.5
203 16.8 14.6 21.8





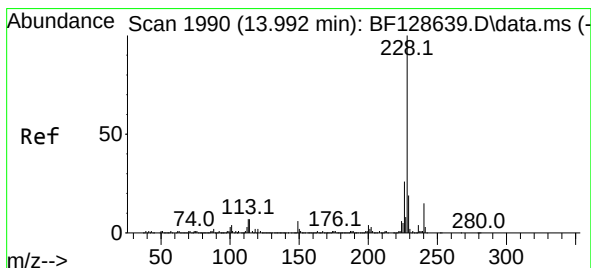
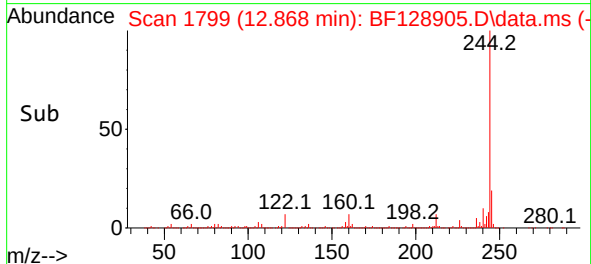
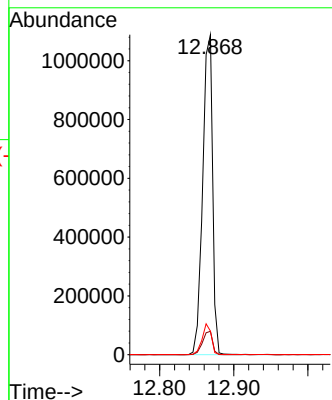
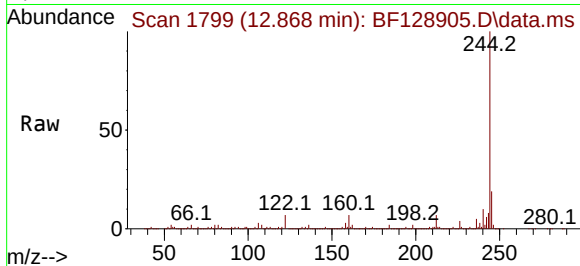
#79
 Terphenyl-d14
 Concen: 74.702 ng
 RT: 12.868 min Scan# 1799
 Delta R.T. -0.000 min
 Lab File: BF128905.D
 Acq: 21 Jun 2022 19:00

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Tgt Ion:244 Resp: 100847
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 7.3 8.8 13.2

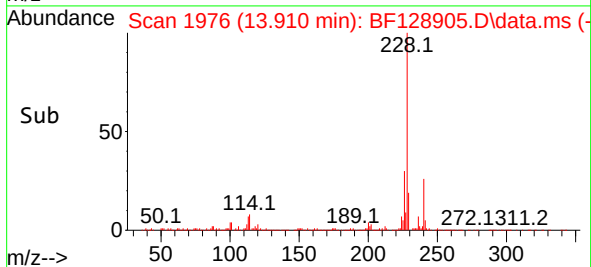
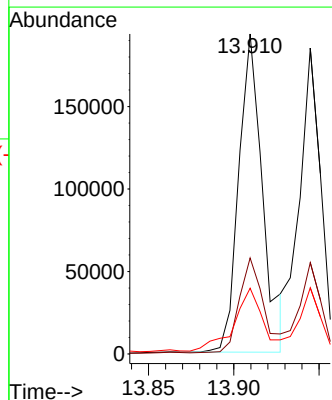
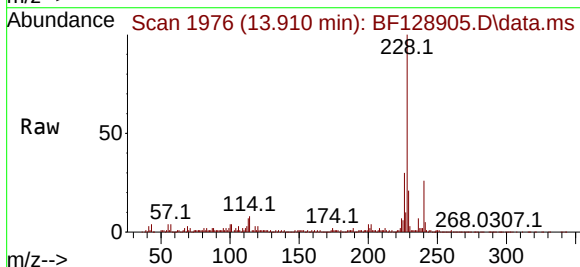
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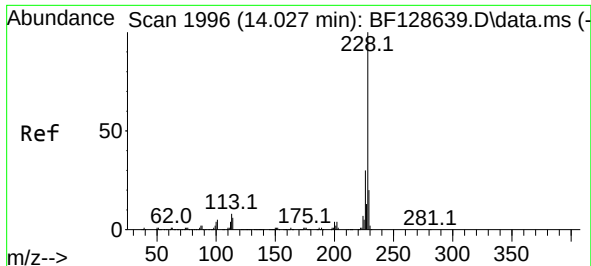
Reviewed By :Christian Giraldo 06/22/2022
 Supervised By :Jagrut Upadhyay 06/22/2022



#81
 Benzo(a)anthracene
 Concen: 12.824 ng
 RT: 13.910 min Scan# 1976
 Delta R.T. -0.006 min
 Lab File: BF128905.D
 Acq: 21 Jun 2022 19:00

Tgt Ion:228 Resp: 187516
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.1 33.1
 229 20.6 15.8 23.8





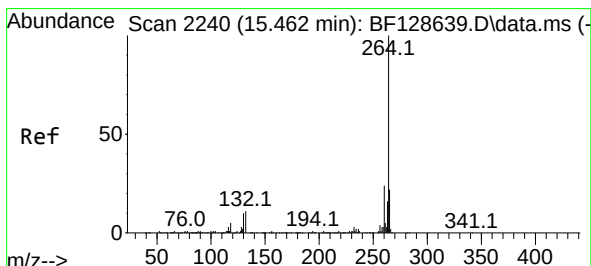
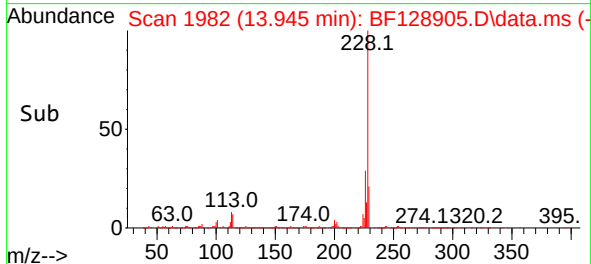
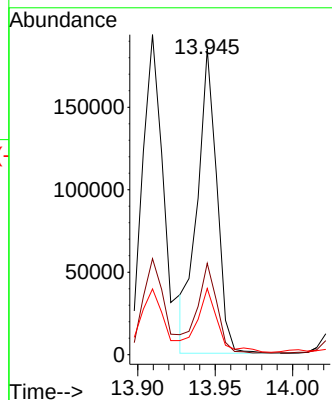
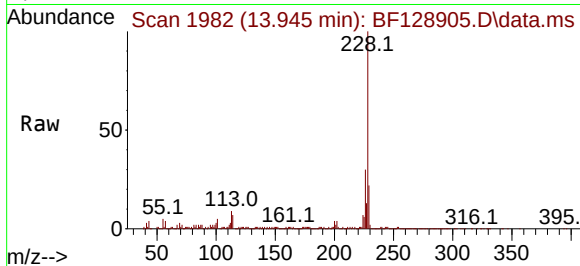
#83
Chrysene
Concen: 11.588 ng
RT: 13.945 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:228 Resp: 161544
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 21.7 15.9 23.9

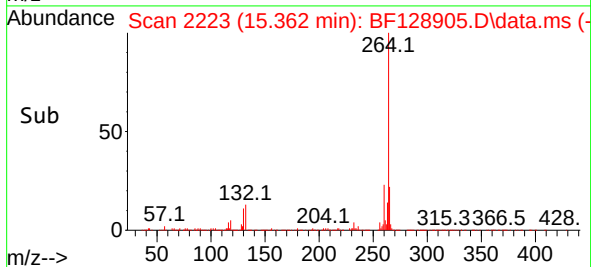
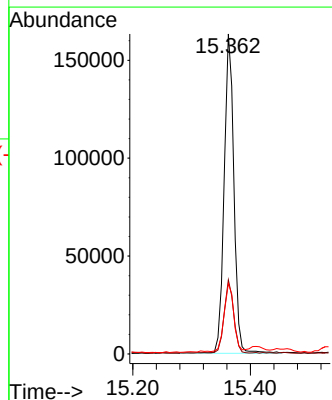
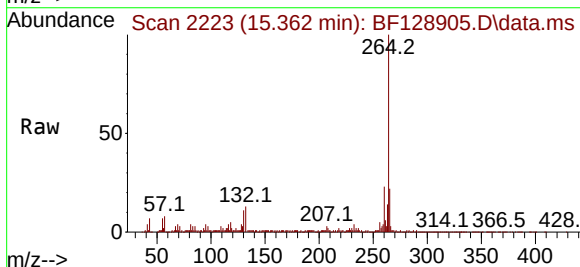
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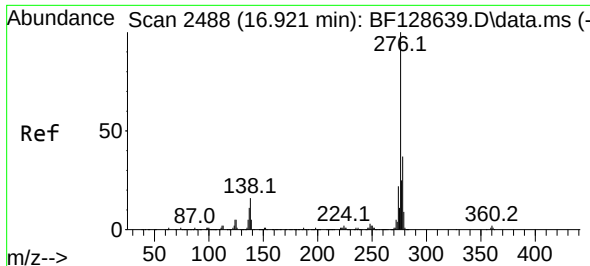
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.362 min Scan# 2223
Delta R.T. -0.000 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

Tgt Ion:264 Resp: 187632
Ion Ratio Lower Upper
264 100
260 23.2 18.4 27.6
265 22.0 17.2 25.8





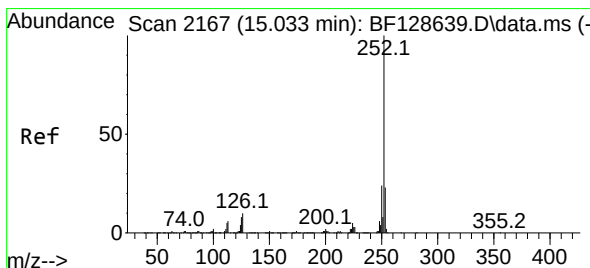
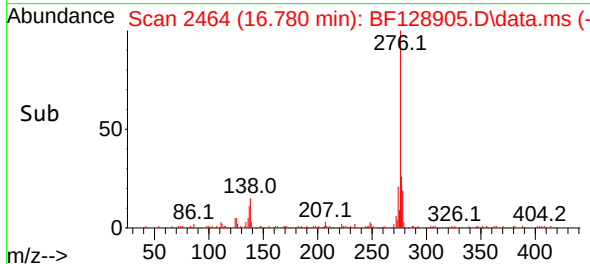
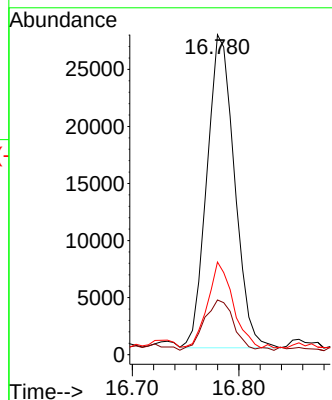
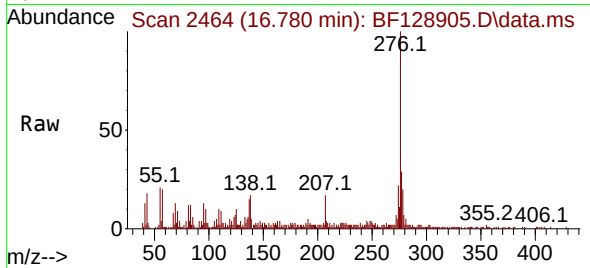
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.370 ng
RT: 16.780 min Scan# 2488
Delta R.T. -0.012 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion: 276 Resp: 4941
Ion Ratio Lower Upper
276 100
138 17.2 21.1 31.7
277 25.7 20.3 30.5

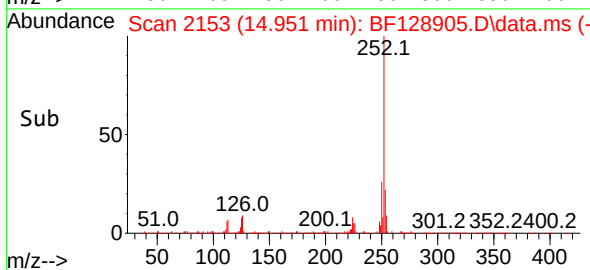
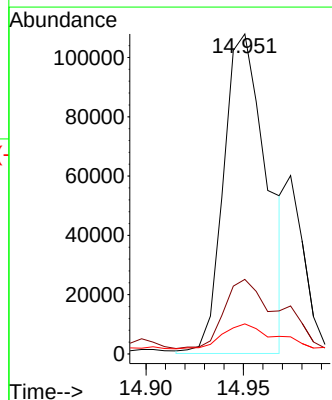
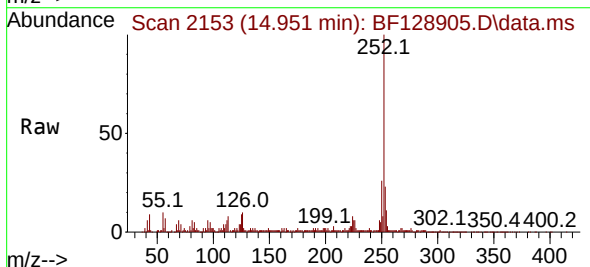
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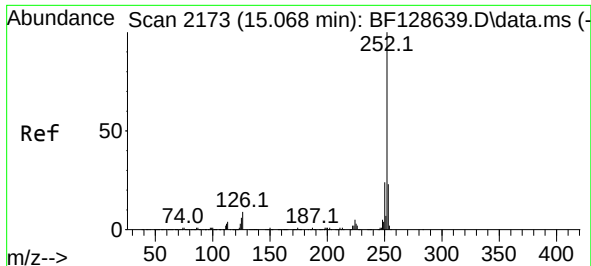
Reviewed By : Christian Giraldo 06/22/2022
Supervised By : Jagrut Upadhyay 06/22/2022



#88
Benzo(b)fluoranthene
Concen: 13.880 ng m
RT: 14.951 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BF128905.D
Acq: 21 Jun 2022 19:00

Tgt Ion: 252 Resp: 166408
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 9.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 3.597 ng m

RT: 14.974 min Scan# 2157

Delta R.T. -0.006 min

Lab File: BF128905.D

Acq: 21 Jun 2022 19:00

Instrument :

BNA_F

ClientSampleId :

WC-3

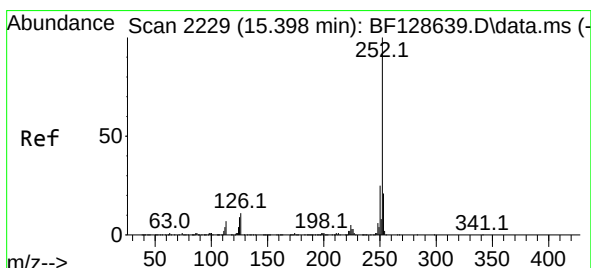
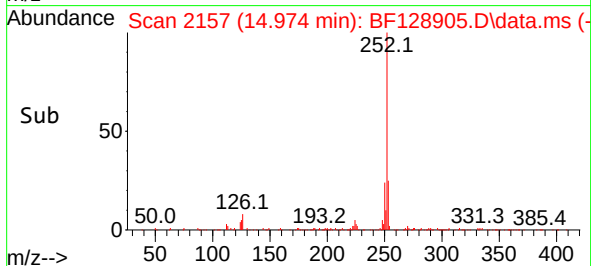
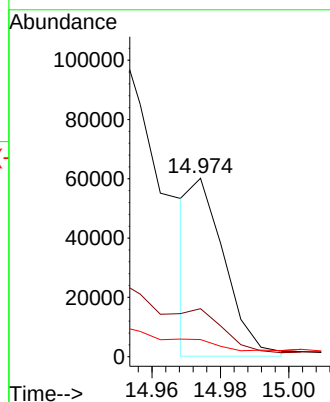
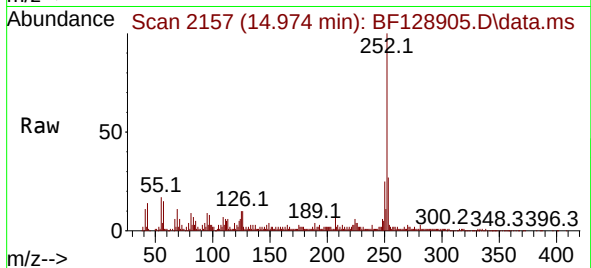
Tgt Ion:252 Resp: 40570
 Ion Ratio Lower Upper
 252 100
 253 26.9 17.8 26.6
 125 9.6 8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 06/22/2022

Supervised By :Jagrut Upadhyay 06/22/2022



#90

Benzo(a)pyrene

Concen: 11.421 ng

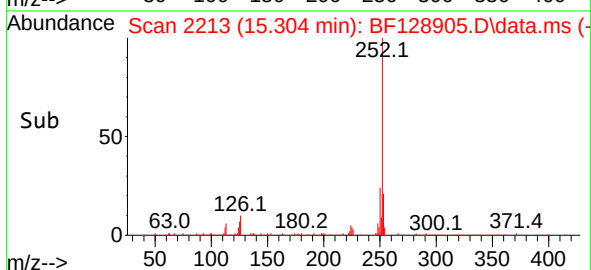
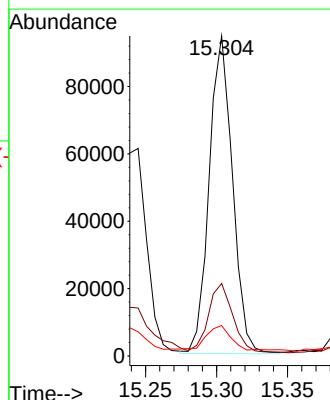
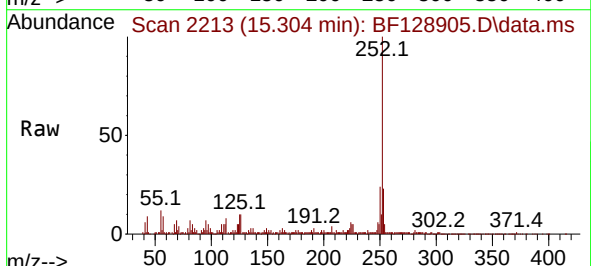
RT: 15.304 min Scan# 2213

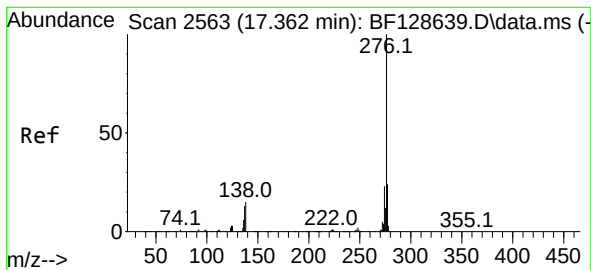
Delta R.T. -0.000 min

Lab File: BF128905.D

Acq: 21 Jun 2022 19:00

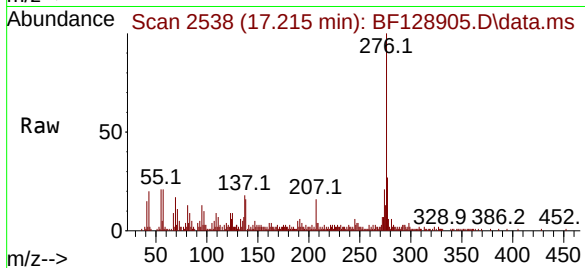
Tgt Ion:252 Resp: 107623
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.0 25.6
 125 9.5 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.179 ng
 RT: 17.215 min Scan# 2538
 Delta R.T. -0.000 min
 Lab File: BF128905.D
 Acq: 21 Jun 2022 19:00

Instrument :
 BNA_F
 ClientSampleId :
 WC-3



Tgt Ion: 276 Resp: 4814
 Ion Ratio Lower Upper
 276 100
 277 27.3 19.1 28.7
 138 15.7 18.0 27.0

Manual Integrations
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Reviewed By : Christian Giraldo 06/22/2022
 Supervised By : Jagrut Upadhyay 06/22/2022

