

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
 Data File : BF130914.D
 Acq On : 01 Nov 2022 22:41
 Operator : CG\JU
 Sample : N5393-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-103122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/02/2022
 Supervised By : Jagrut Upadhyay 11/02/2022

Quant Time: Nov 02 08:25:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 08:18:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	65947	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	213853	20.000	ng	# 0.00
39) Acenaphthene-d10	9.980	164	97115	20.000	ng	0.00
64) Phenanthrene-d10	11.474	188	187903	20.000	ng	0.00
76) Chrysene-d12	14.127	240	117325	20.000	ng	# 0.00
86) Perylene-d12	15.651	264	90055	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	371486	97.656	ng	0.00
7) Phenol-d6	6.557	99	431572	87.304	ng	0.00
23) Nitrobenzene-d5	7.498	82	273108	77.007	ng	0.00
42) 2,4,6-Tribromophenol	10.775	330	97655	119.454	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	441098	68.670	ng	0.00
79) Terphenyl-d14	13.068	244	502356	78.461	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.845	152	113437	12.939	ng	99
71) Phenanthrene	11.498	178	147914	15.252	ng	98
72) Anthracene	11.551	178	56446	5.901	ng	99
75) Fluoranthene	12.698	202	498620	48.389	ng	98
78) Pyrene	12.927	202	511839	51.709	ng	99
81) Benzo(a)anthracene	14.121	228	266860m	34.307	ng	
83) Chrysene	14.157	228	263394	35.105	ng	99
87) Indeno(1,2,3-cd)pyrene	17.209	276	136235m	22.780	ng	
88) Benzo(b)fluoranthene	15.204	252	321857m	55.288	ng	
89) Benzo(k)fluoranthene	15.227	252	93489m	16.481	ng	
90) Benzo(a)pyrene	15.586	252	214644	45.867	ng	96
91) Dibenzo(a,h)anthracene	17.221	278	33726m	6.918	ng	
92) Benzo(g,h,i)perylene	17.680	276	132420	26.624	ng	96

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

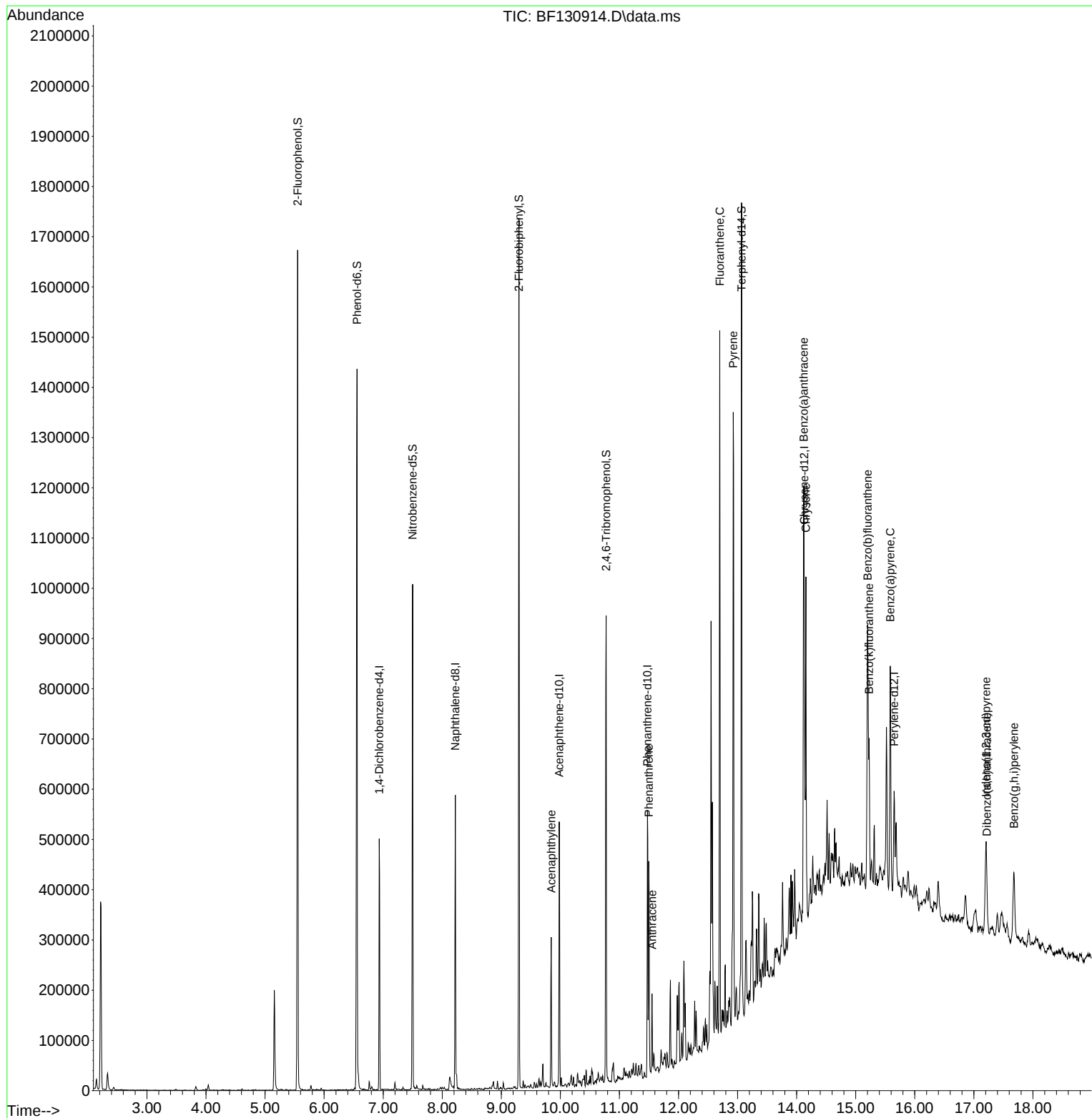
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
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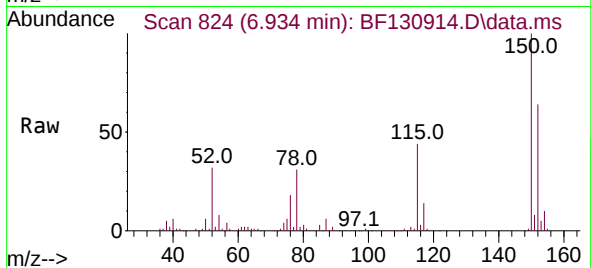
Quant Time: Nov 02 08:25:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 02 08:18:35 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

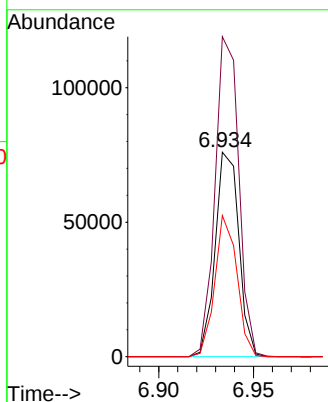
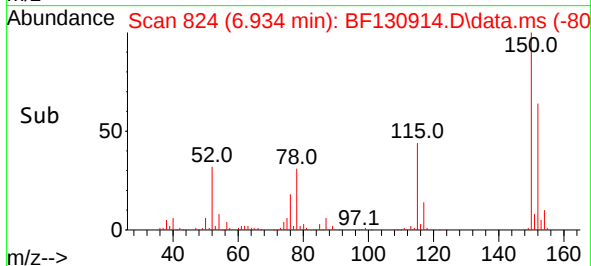
Instrument :
BNA_F
ClientSampleId :
SU-4-103122



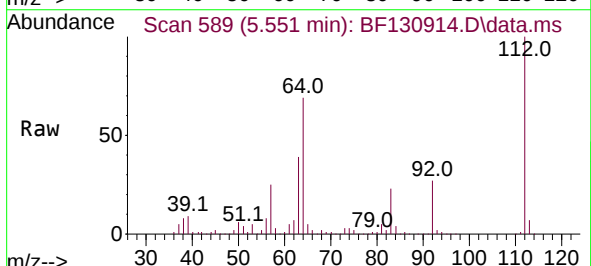
Tgt Ion:152 Resp: 65947
Ion Ratio Lower Upper
152 100
150 156.6 124.1 186.1
115 69.0 50.1 75.1

Manual Integrations
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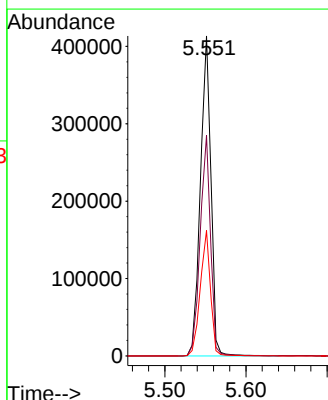
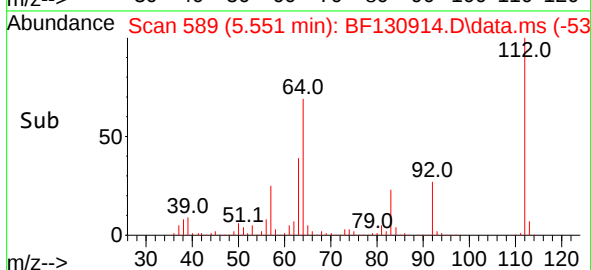
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#5
2-Fluorophenol
Concen: 97.656 ng
RT: 5.551 min Scan# 589
Delta R.T. -0.000 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41



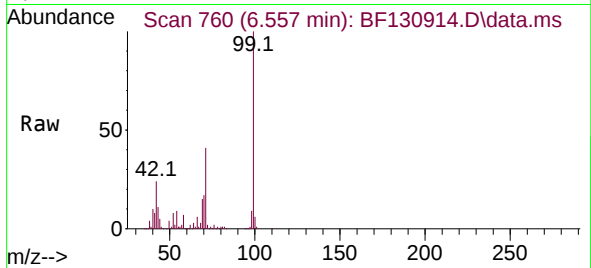
Tgt Ion:112 Resp: 371486
Ion Ratio Lower Upper
112 100
64 68.9 53.9 80.9
63 39.2 29.4 44.2





#7
Phenol-d6
Concen: 87.304 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

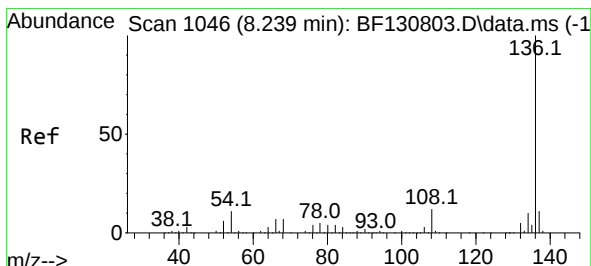
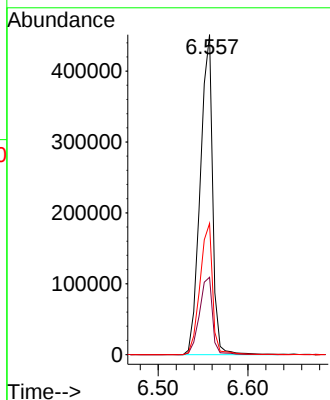
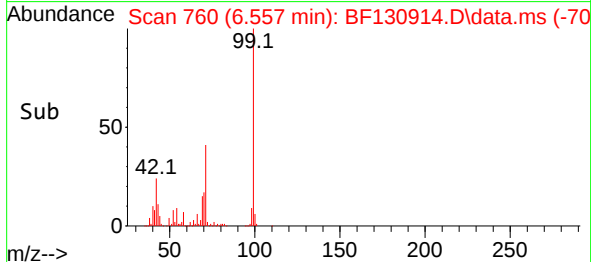
Instrument :
BNA_F
ClientSampleId :
SU-4-103122



Tgt Ion: 99 Resp: 431572
Ion Ratio Lower Upper
99 100
42 24.2 18.8 28.2
71 41.0 31.4 47.0

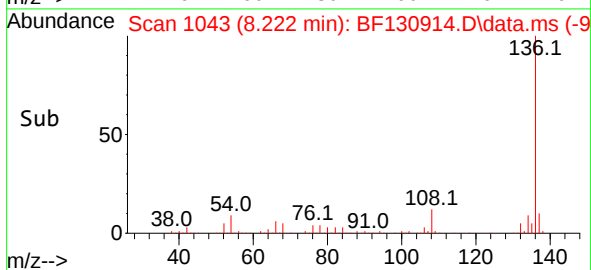
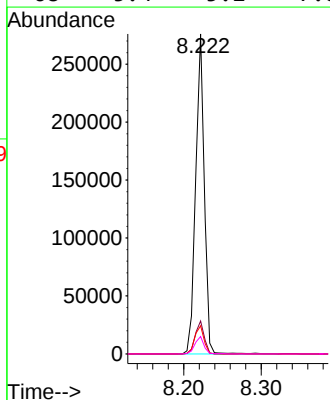
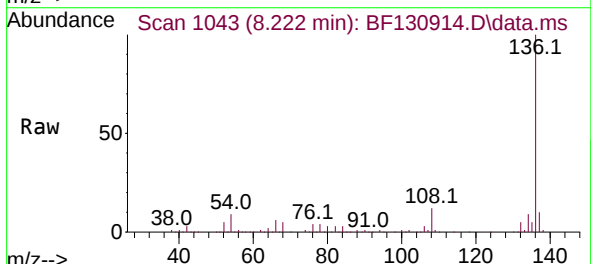
Manual Integrations
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

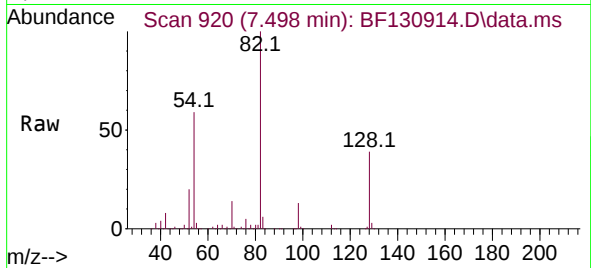
Tgt Ion:136 Resp: 213853
Ion Ratio Lower Upper
136 100
137 10.3 9.2 13.8
54 8.8 8.8 13.2#
68 5.4 5.2 7.8





#23
Nitrobenzene-d5
Concen: 77.007 ng
RT: 7.498 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

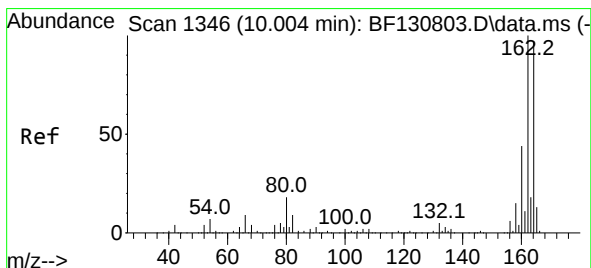
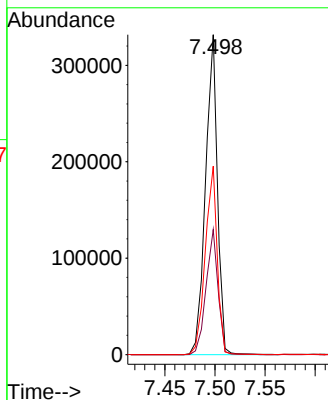
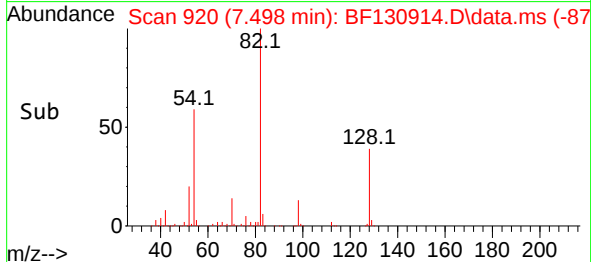
Instrument :
BNA_F
ClientSampleId :
SU-4-103122



Tgt Ion: 82 Resp: 273108
Ion Ratio Lower Upper
82 100
128 39.1 31.2 46.8
54 58.9 48.0 72.0

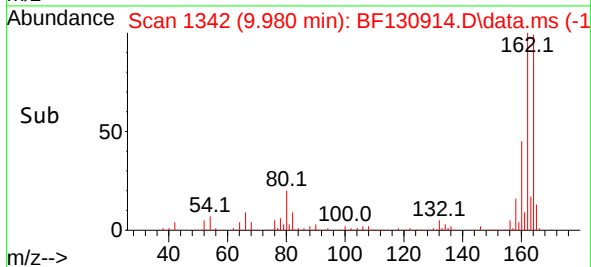
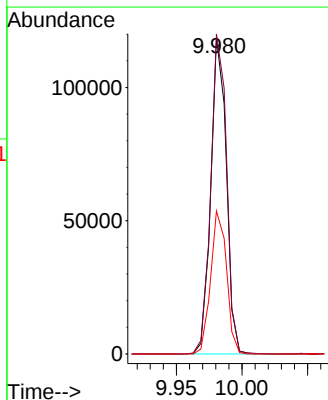
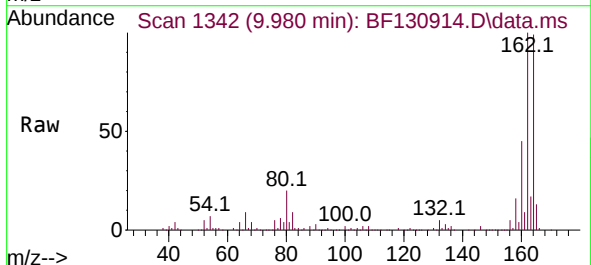
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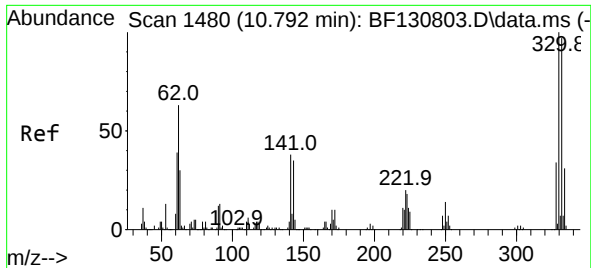
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.980 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

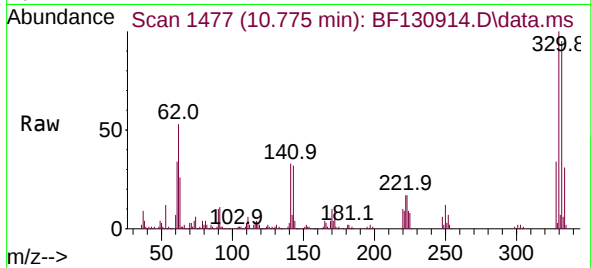
Tgt Ion:164 Resp: 97115
Ion Ratio Lower Upper
164 100
162 101.3 82.2 123.2
160 45.3 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 119.454 ng
RT: 10.775 min Scan# 1477
Delta R.T. -0.006 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

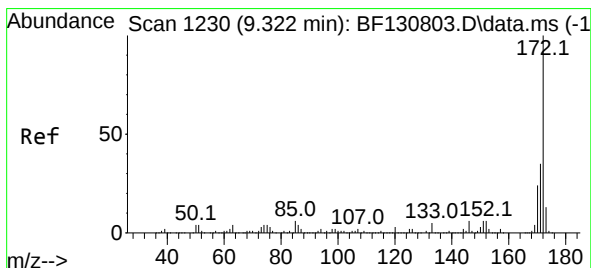
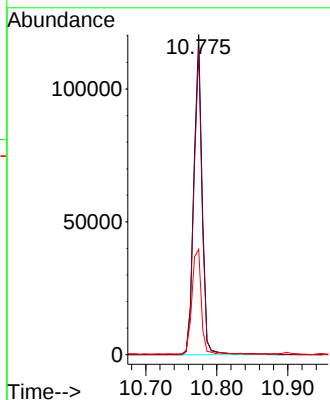
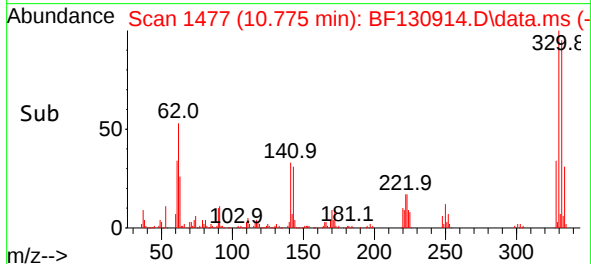
Instrument :
BNA_F
ClientSampleId :
SU-4-103122



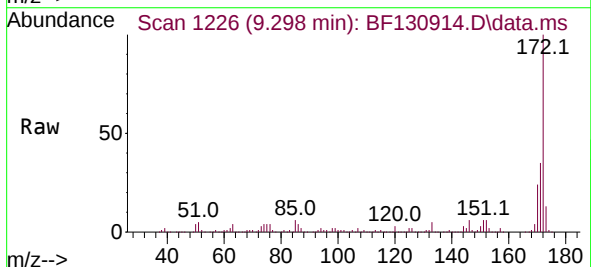
Tgt Ion: 330 Resp: 97658
Ion Ratio Lower Upper
330 100
332 94.2 76.2 114.4
141 37.5 31.4 47.0

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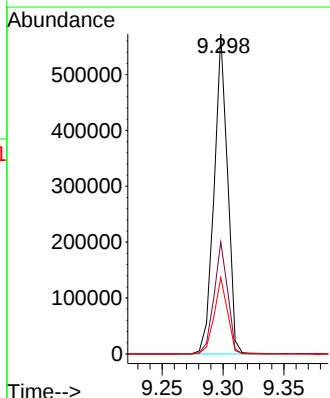
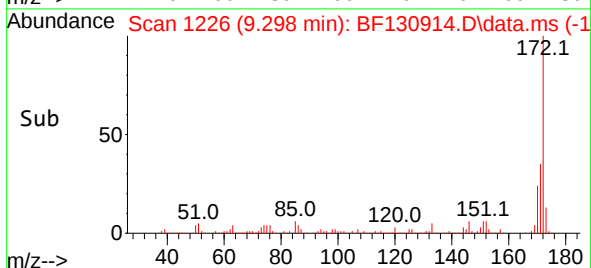
Reviewed By : Christian Giraldo 11/02/2022
Supervised By : Jagrut Upadhyay 11/02/2022

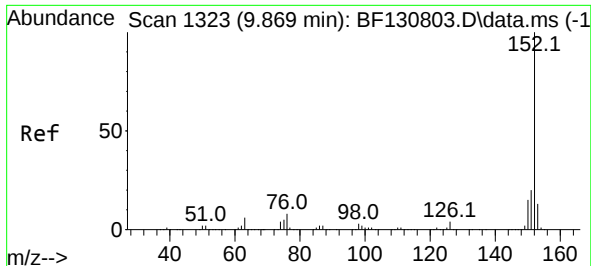


#45
2-Fluorobiphenyl
Concen: 68.670 ng
RT: 9.298 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41



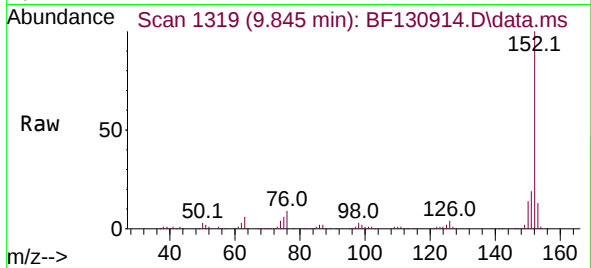
Tgt Ion: 172 Resp: 441098
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.9 19.0 28.4





#49
Acenaphthylene
Concen: 12.939 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

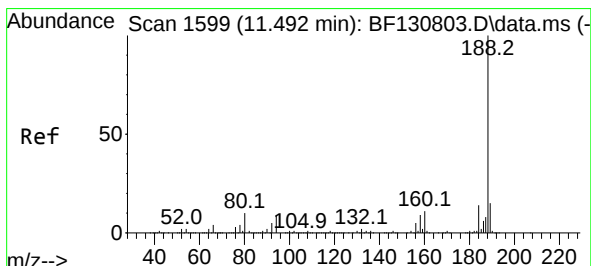
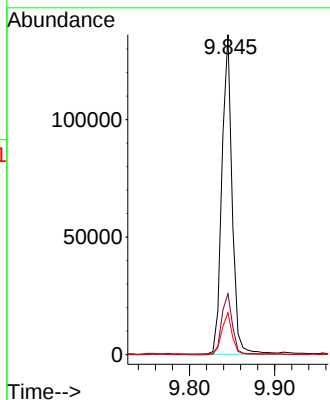
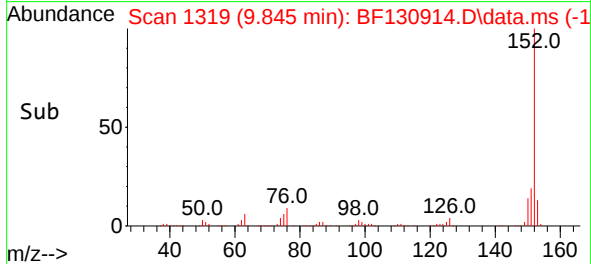
Instrument :
BNA_F
ClientSampleId :
SU-4-103122



Tgt Ion:152 Resp: 113437
Ion Ratio Lower Upper
152 100
151 19.0 15.8 23.8
153 13.1 10.2 15.4

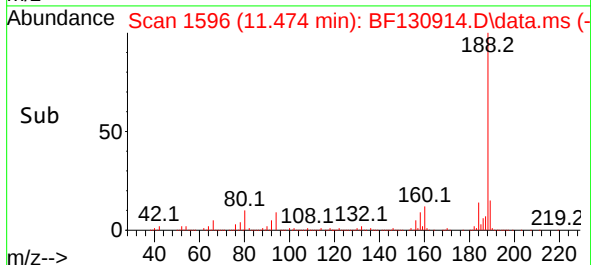
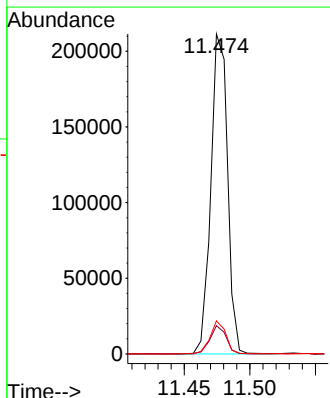
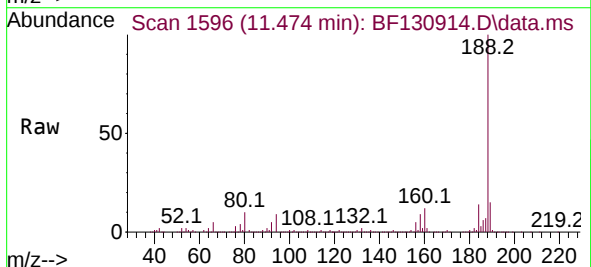
Manual Integrations
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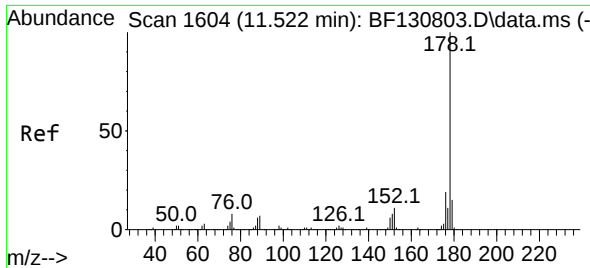
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

Tgt Ion:188 Resp: 187903
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 10.3 8.0 12.0





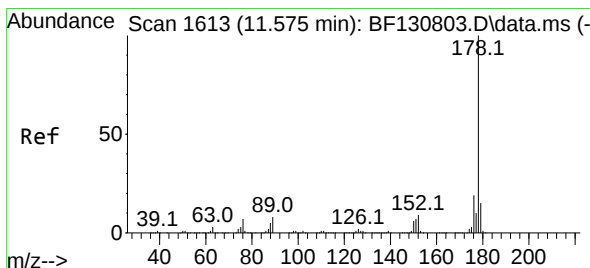
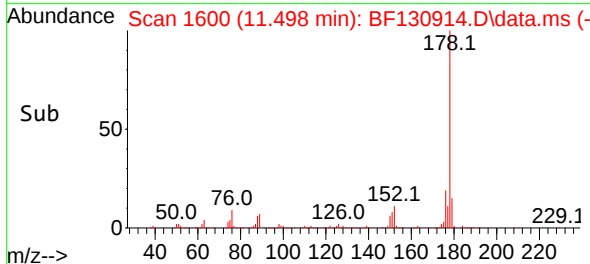
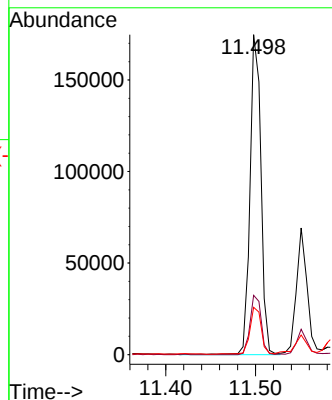
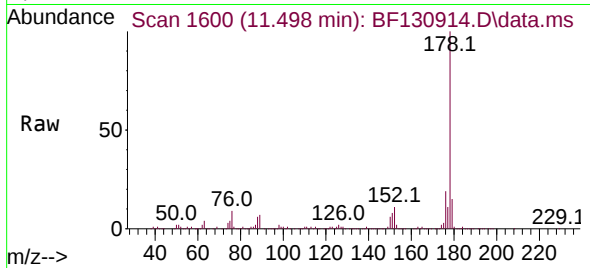
#71
Phenanthrene
Concen: 15.252 ng
RT: 11.498 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Tgt Ion:178 Resp: 147914
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 14.8 12.2 18.2

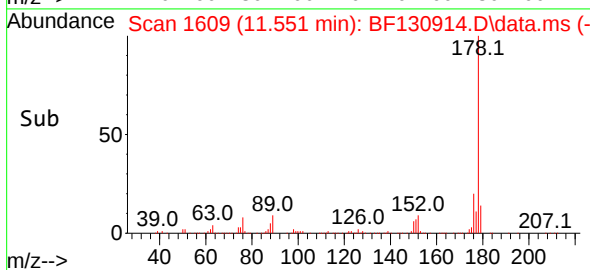
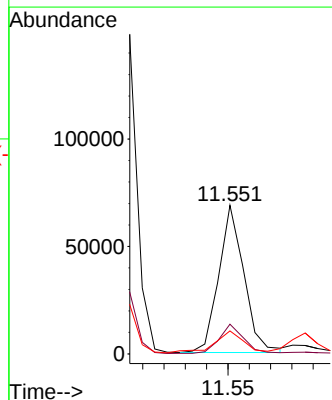
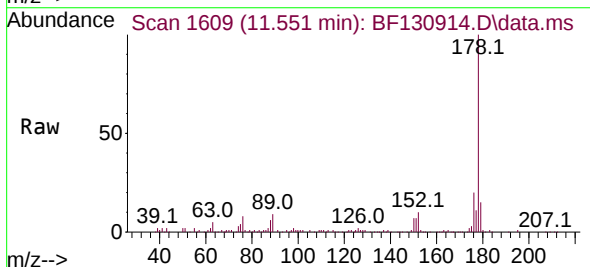
Manual Integrations
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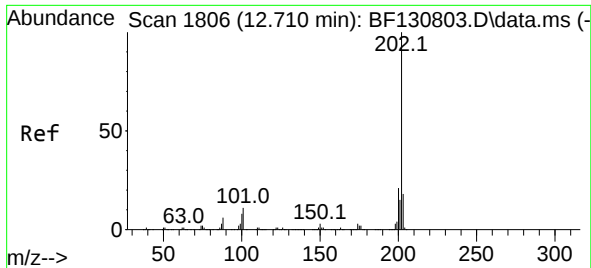
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#72
Anthracene
Concen: 5.901 ng
RT: 11.551 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

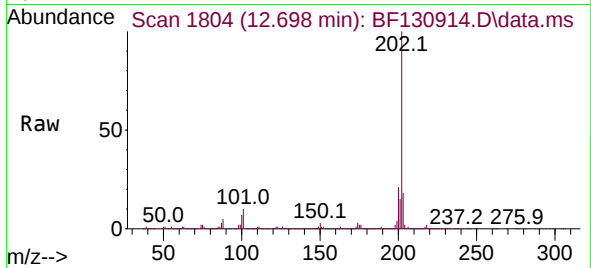
Tgt Ion:178 Resp: 56446
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.0
179 15.4 12.2 18.4





#75
Fluoranthene
Concen: 48.389 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

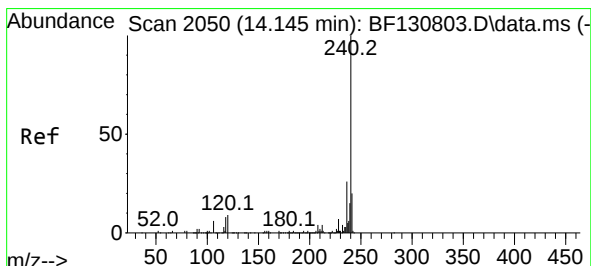
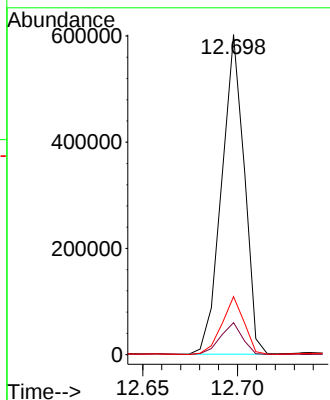
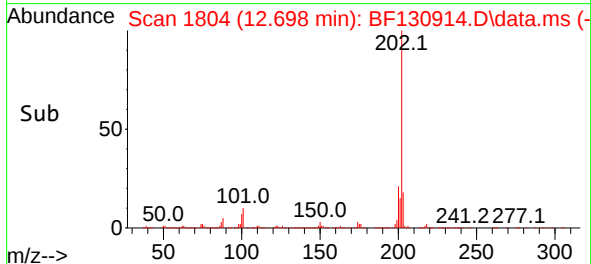
Instrument :
BNA_F
ClientSampleId :
SU-4-103122



Tgt Ion:202 Resp: 498620
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.9
203 18.1 0.0 37.7

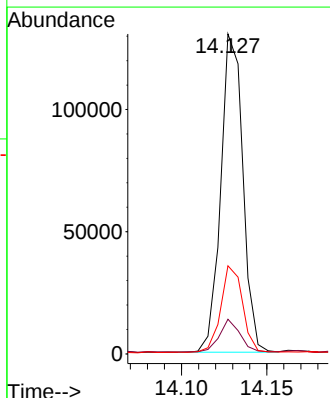
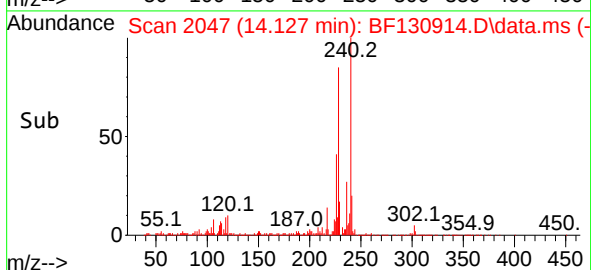
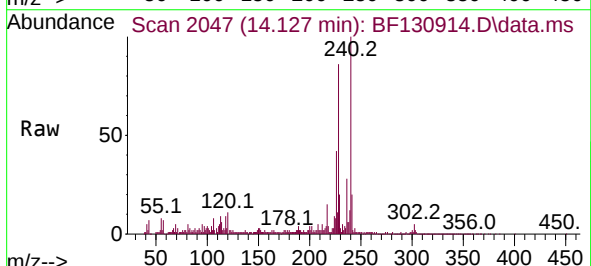
Manual Integrations
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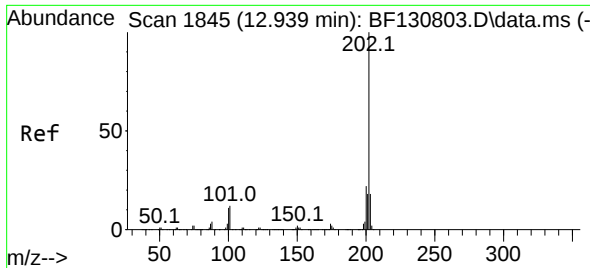
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.000 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

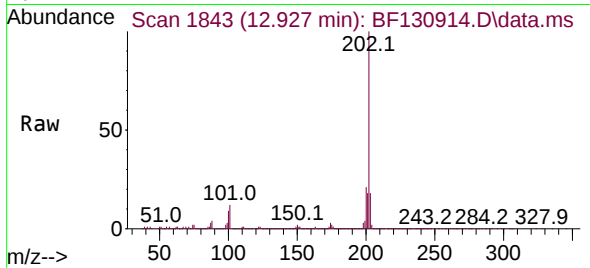
Tgt Ion:240 Resp: 117325
Ion Ratio Lower Upper
240 100
120 10.8 7.0 10.4#
236 27.5 20.5 30.7





#78
Pyrene
Concen: 51.709 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.000 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

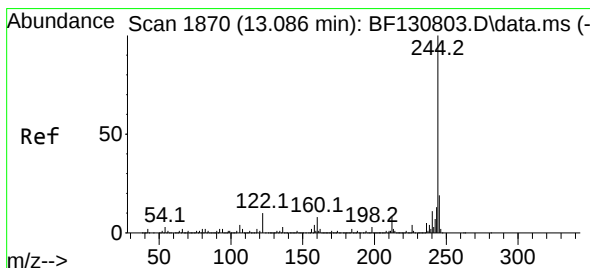
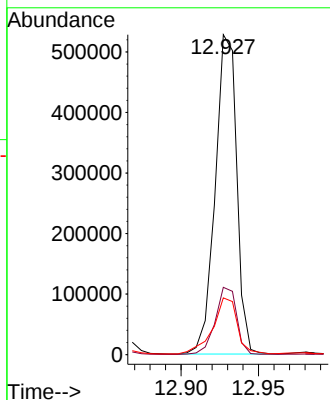
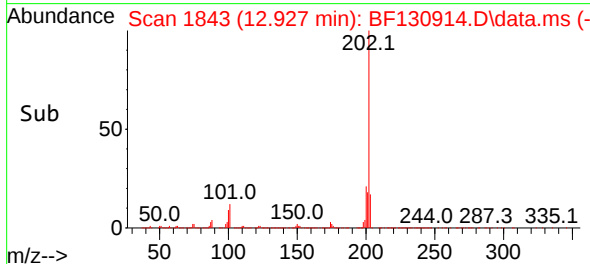
Instrument :
BNA_F
ClientSampleId :
SU-4-103122



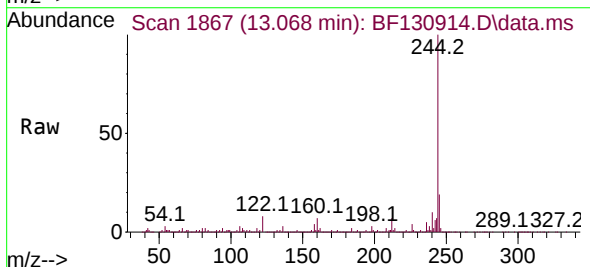
Tgt Ion:202 Resp: 511839
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.7 14.5 21.7

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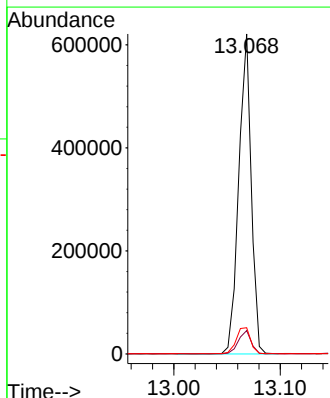
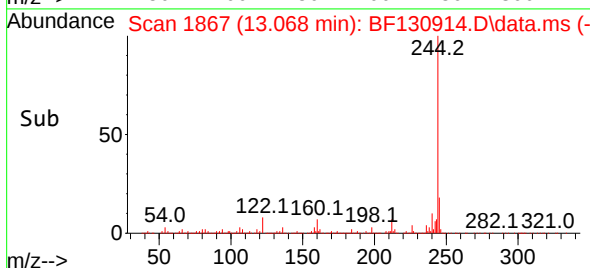
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022

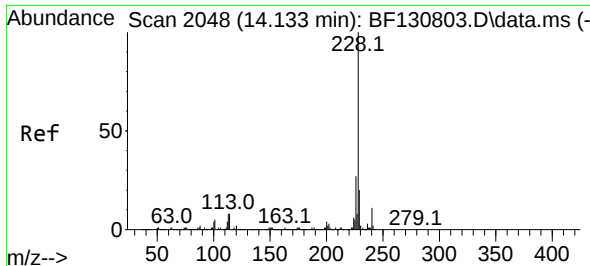


#79
Terphenyl-d14
Concen: 78.461 ng
RT: 13.068 min Scan# 1867
Delta R.T. -0.000 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41



Tgt Ion:244 Resp: 502356
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 8.2 7.9 11.9





#81
Benzo(a)anthracene
Concen: 34.307 ng m
RT: 14.121 min Scan# 2046
Delta R.T. 0.006 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

Instrument :

BNF

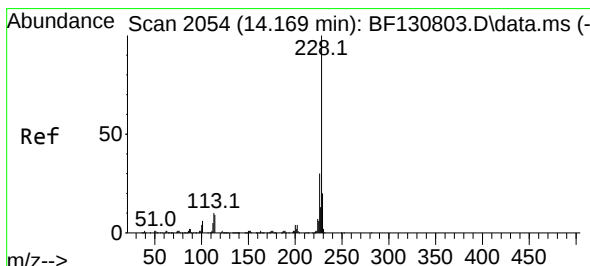
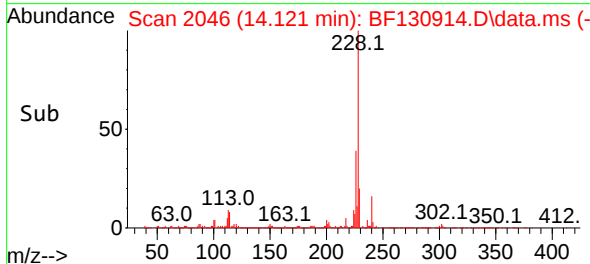
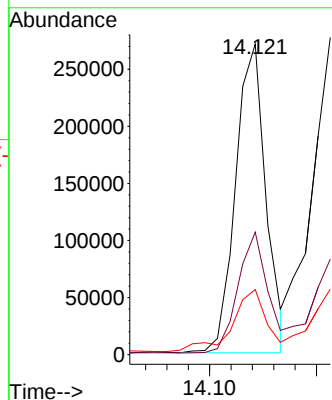
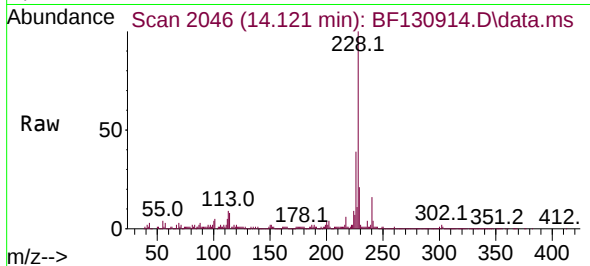
ClientSampleId :

SU-4-103122

Tgt Ion:228 Resp: 266860
Ion Ratio Lower Upper
228 100
226 39.4 21.4 32.2
229 21.0 15.8 23.6

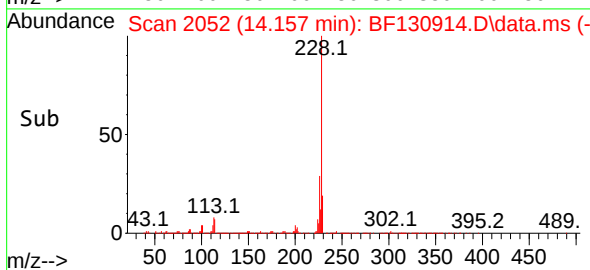
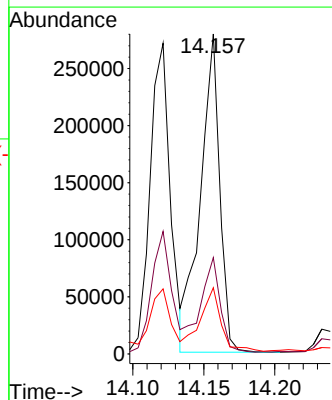
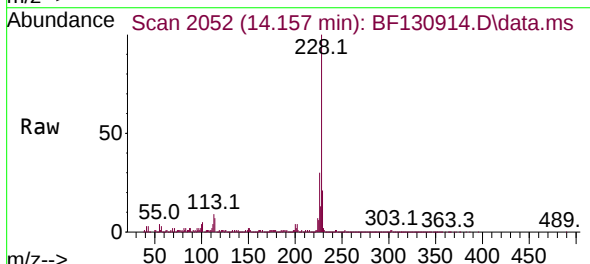
Manual Integrations
APPROVED

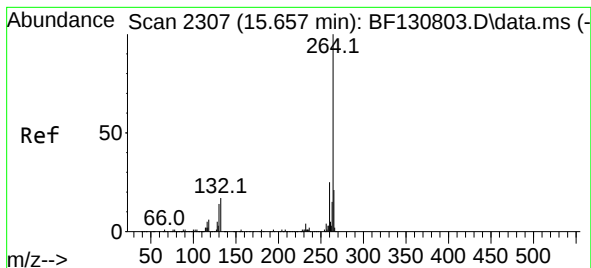
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#83
Chrysene
Concen: 35.105 ng
RT: 14.157 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

Tgt Ion:228 Resp: 263394
Ion Ratio Lower Upper
228 100
226 30.1 23.9 35.9
229 20.7 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.651 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

Instrument :

BNA_F

ClientSampleId :

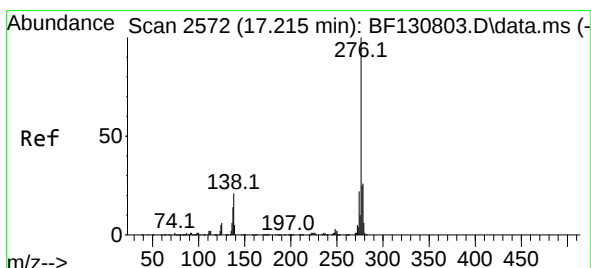
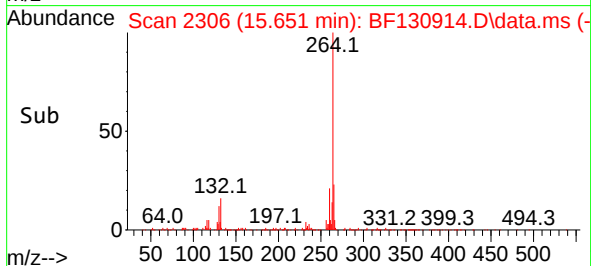
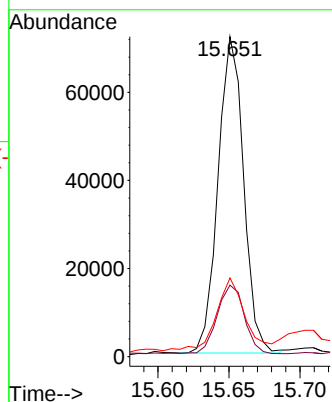
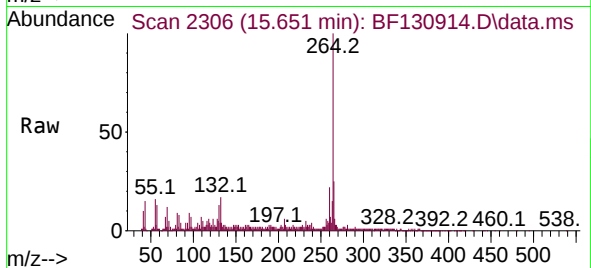
SU-4-103122

Tgt Ion:264 Resp: 90055
Ion Ratio Lower Upper
264 100
260 22.3 19.9 29.9
265 24.6 17.0 25.6

Manual Integrations

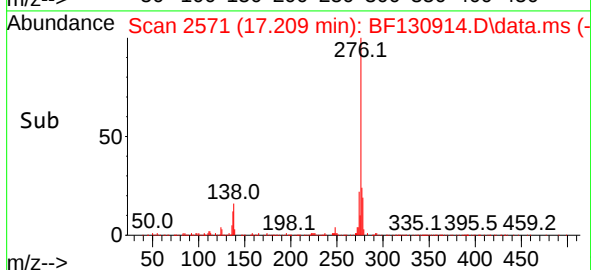
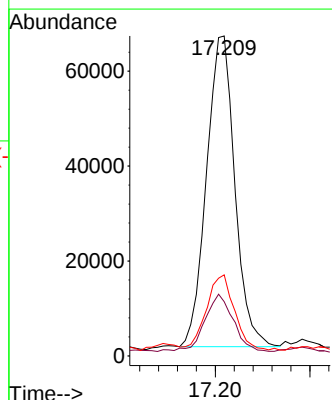
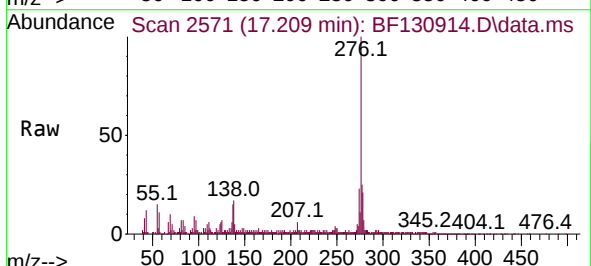
APPROVED

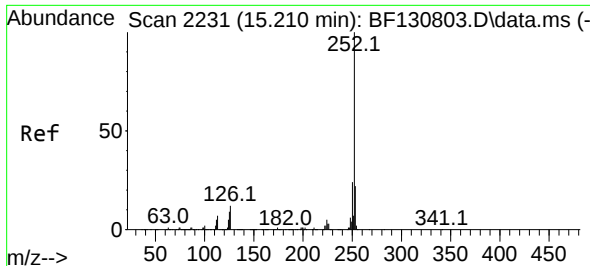
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 22.780 ng m
RT: 17.209 min Scan# 2571
Delta R.T. 0.018 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

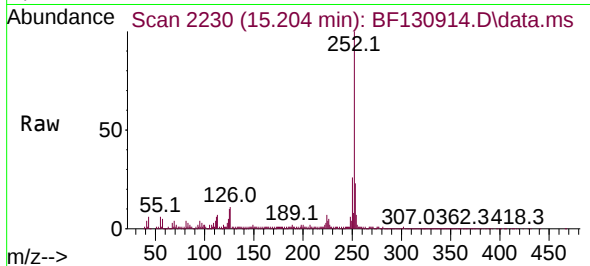
Tgt Ion:276 Resp: 136235
Ion Ratio Lower Upper
276 100
138 5.3 19.1 28.7#
277 5.3 20.1 30.1#





#88
Benzo(b)fluoranthene
Concen: 55.288 ng m
RT: 15.204 min Scan# 2231
Delta R.T. 0.012 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

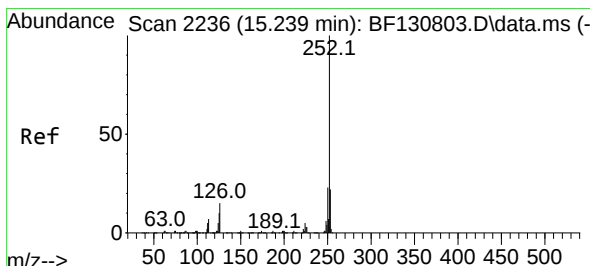
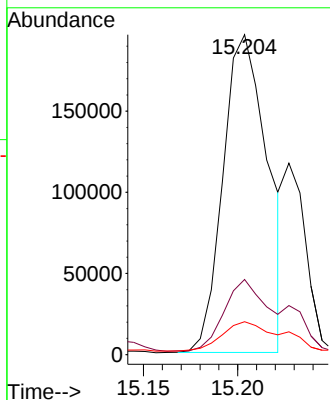
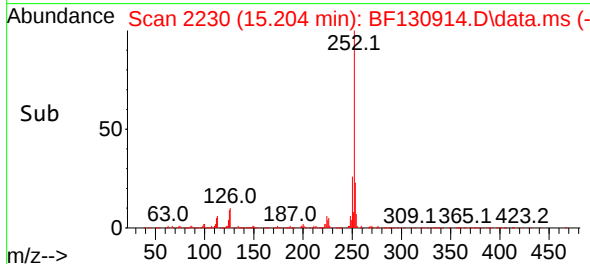
Instrument :
BNA_F
ClientSampleId :
SU-4-103122



Tgt Ion:252 Resp: 32185
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.3 7.0 10.4

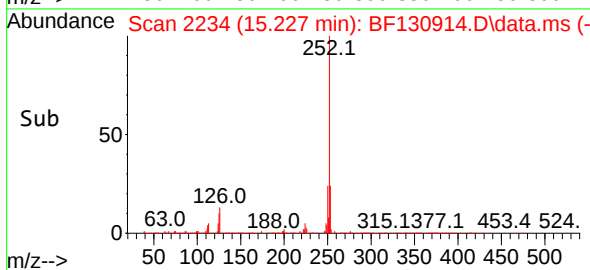
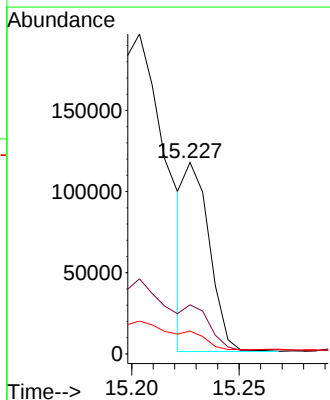
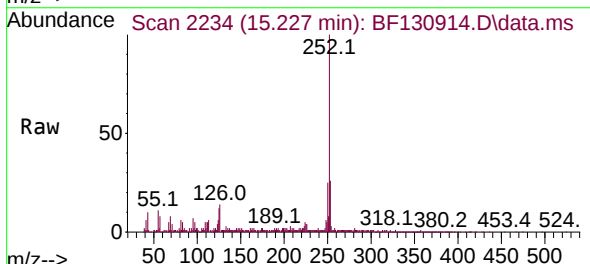
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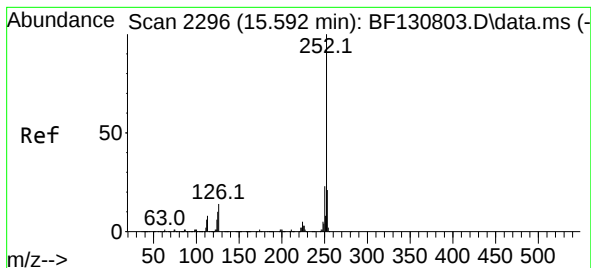
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#89
Benzo(k)fluoranthene
Concen: 16.481 ng m
RT: 15.227 min Scan# 2234
Delta R.T. -0.000 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

Tgt Ion:252 Resp: 93489
Ion Ratio Lower Upper
252 100
253 25.6 17.5 26.3
125 11.9 8.0 12.0





#90
Benzo(a)pyrene
Concen: 45.867 ng
RT: 15.586 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

Instrument :

BNA_F

ClientSampleId :

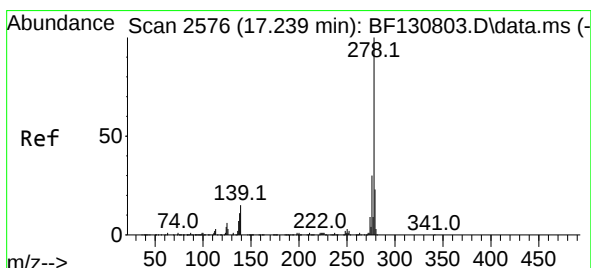
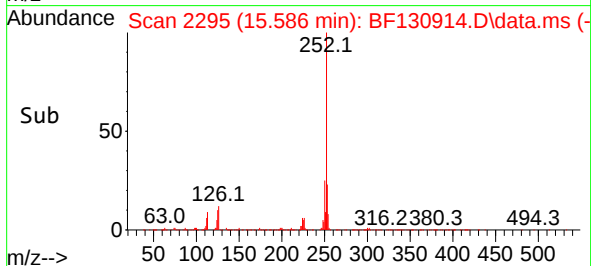
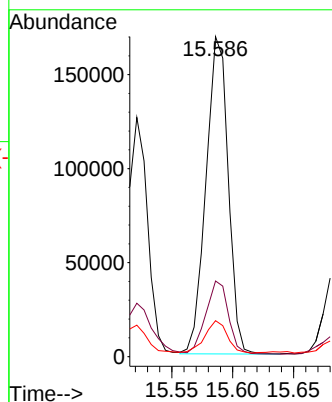
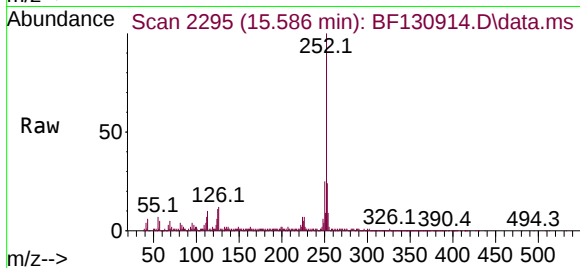
SU-4-103122

Tgt Ion:252 Resp: 214644
Ion Ratio Lower Upper
252 100
253 23.6 16.8 25.2
125 11.2 8.3 12.5

Manual Integrations

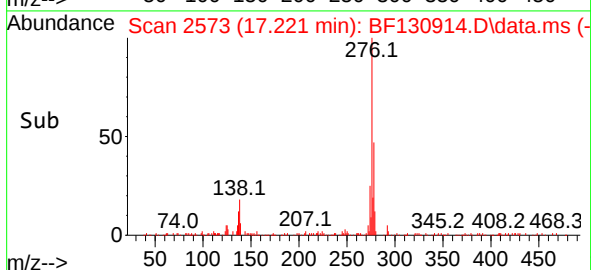
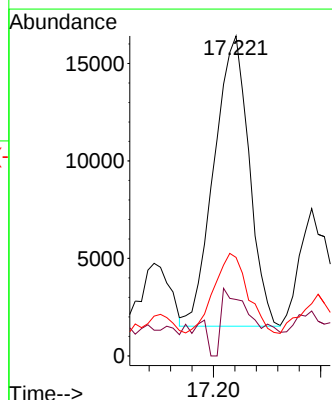
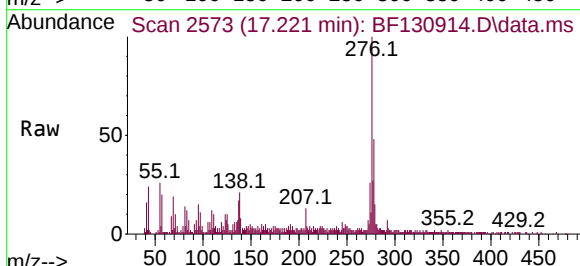
APPROVED

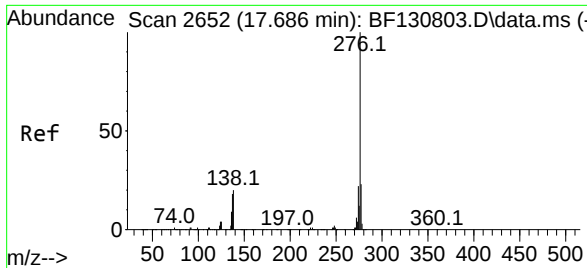
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#91
Dibenzo(a,h)anthracene
Concen: 6.918 ng m
RT: 17.221 min Scan# 2573
Delta R.T. 0.006 min
Lab File: BF130914.D
Acq: 01 Nov 2022 22:41

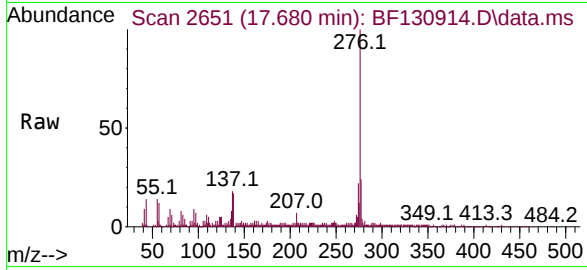
Tgt Ion:278 Resp: 33726
Ion Ratio Lower Upper
278 100
139 17.6 11.9 17.9
279 30.8 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 26.624 ng
 RT: 17.680 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF130914.D
 Acq: 01 Nov 2022 22:41

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-103122



Tgt Ion: 276 Resp: 132420

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	16.6	16.3	24.5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/02/2022
 Supervised By : Jagrut Upadhyay 11/02/2022

