

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130878.D
 Acq On : 31 Oct 2022 14:26
 Operator : CG\JU
 Sample : N5234-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSP-SS-06-20-40

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/01/2022
 Supervised By : Jagrut Upadhyay 11/01/2022

Quant Time: Nov 01 02:27:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	73731	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	258364	20.000	ng	# 0.00
39) Acenaphthene-d10	9.992	164	142364	20.000	ng	0.00
64) Phenanthrene-d10	11.481	188	249738	20.000	ng	0.00
76) Chrysene-d12	14.133	240	157088	20.000	ng	0.00
86) Perylene-d12	15.651	264	152391	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	401219	94.337	ng	0.00
7) Phenol-d6	6.557	99	507178	91.767	ng	0.00
23) Nitrobenzene-d5	7.504	82	331573	77.385	ng	-0.01
42) 2,4,6-Tribromophenol	10.781	330	121698	101.549	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	545596	57.941	ng	0.00
79) Terphenyl-d14	13.069	244	475433	55.460	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.251	128	85007	6.306	ng	# 70
37) 2-Methylnaphthalene	8.945	142	311796	36.773	ng	98
38) 1-Methylnaphthalene	9.045	142	265069	32.123	ng	100
58) Fluorene	10.540	166	26233	2.892	ng	# 97
71) Phenanthrene	11.504	178	88384	6.857	ng	98
75) Fluoranthene	12.704	202	63650	4.648	ng	97
78) Pyrene	12.928	202	70469	5.317	ng	98
81) Benzo(a)anthracene	14.122	228	34182m	3.282	ng	
83) Chrysene	14.157	228	33187	3.303	ng	96
88) Benzo(b)fluoranthene	15.198	252	37088m	3.765	ng	
90) Benzo(a)pyrene	15.580	252	34646	4.375	ng	# 94

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

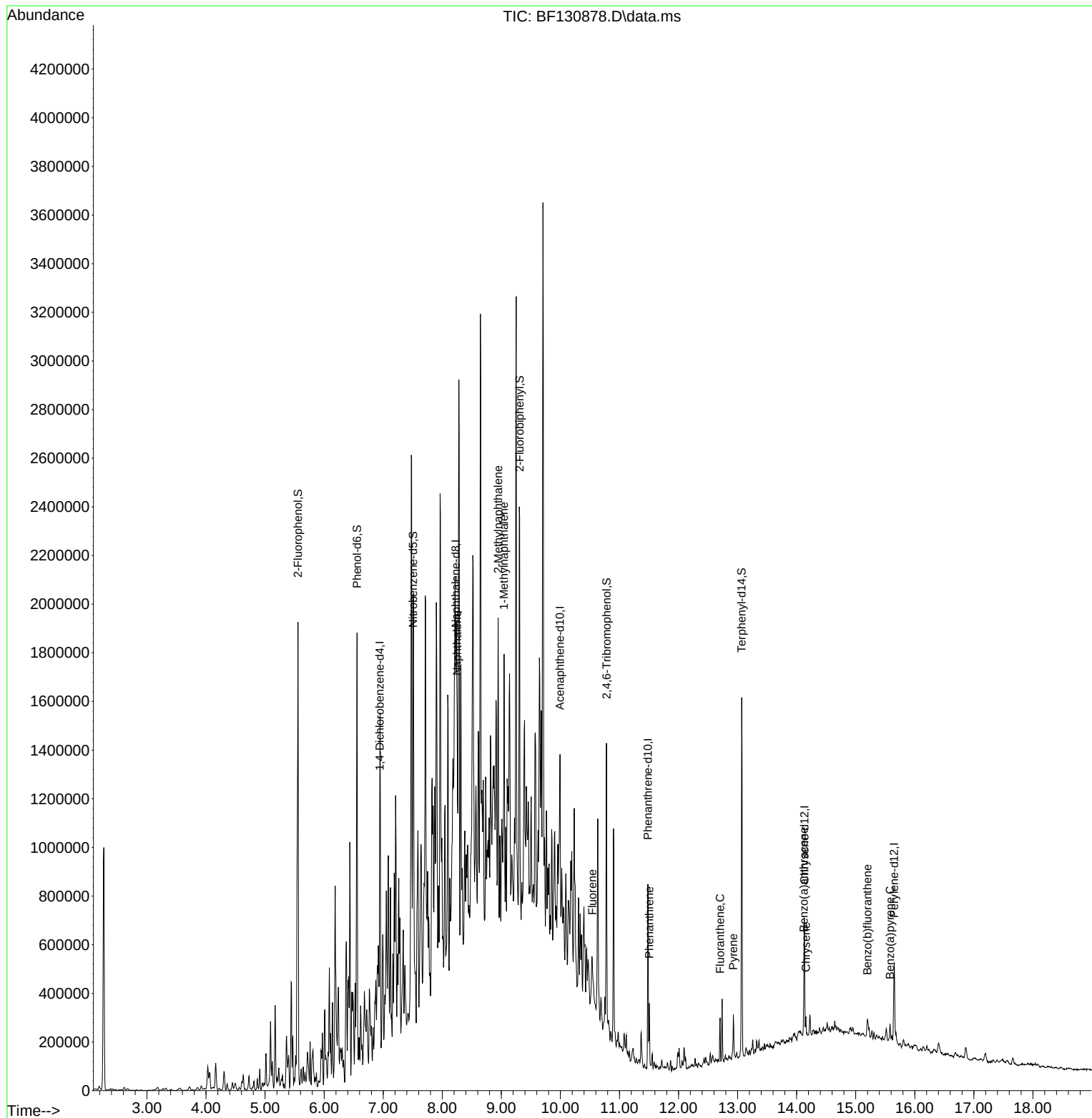
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130878.D
Acq On : 31 Oct 2022 14:26
Operator : CG\JU
Sample : N5234-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

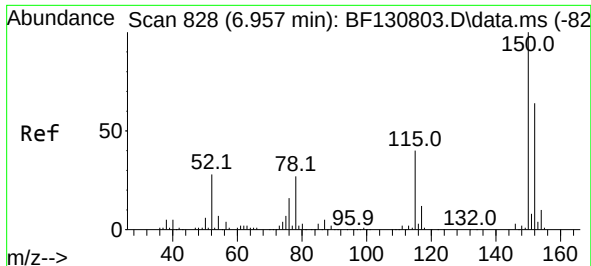
Instrument :
BNA_F
ClientSampleId :
LSP-SS-06-20-40

Quant Time: Nov 01 02:27:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 29 05:41:34 2022
Response via : Initial Calibration

Manual Integrations
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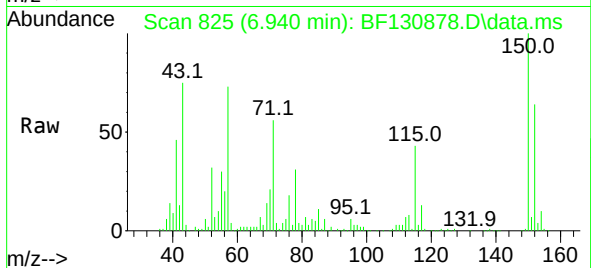
Reviewed By : Christian Giraldo 11/01/2022
Supervised By : Jagrut Upadhyay 11/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

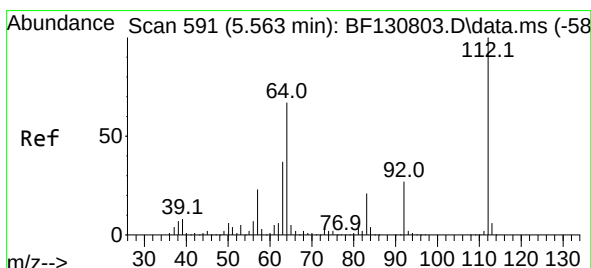
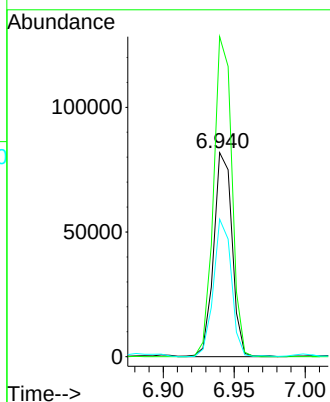
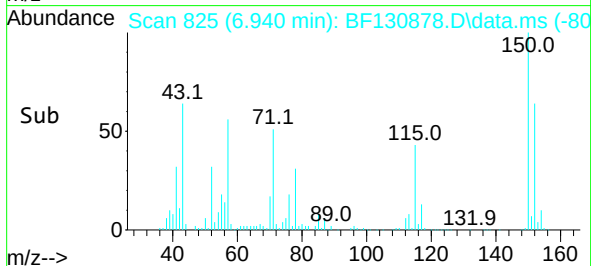
Instrument :
BNA_F
ClientSampleId :
LSP-SS-06-20-40



Tgt Ion:152 Resp: 7373
Ion Ratio Lower Upper
152 100
150 156.9 124.1 186.1
115 67.4 50.1 75.1

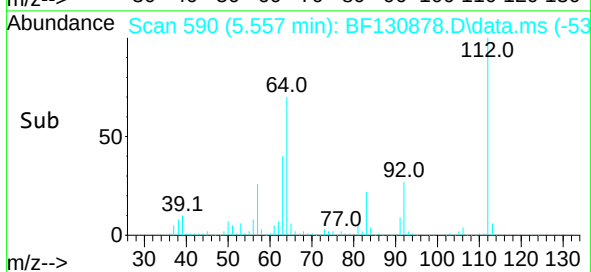
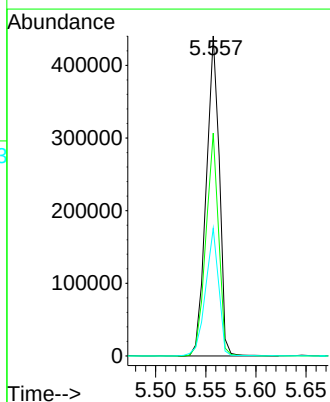
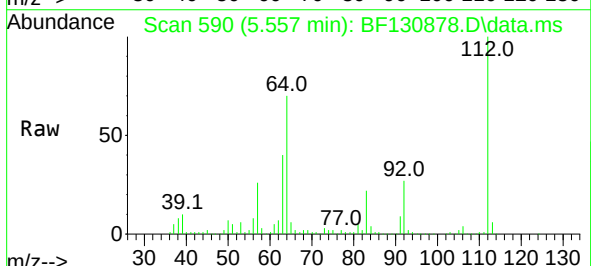
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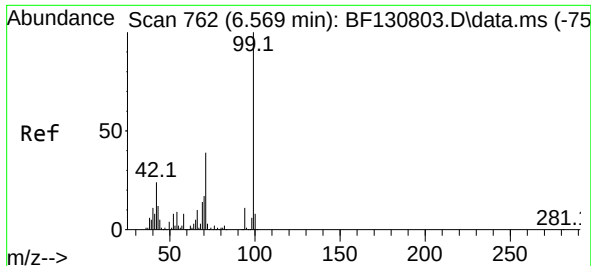
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#5
2-Fluorophenol
Concen: 94.337 ng
RT: 5.557 min Scan# 590
Delta R.T. 0.000 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

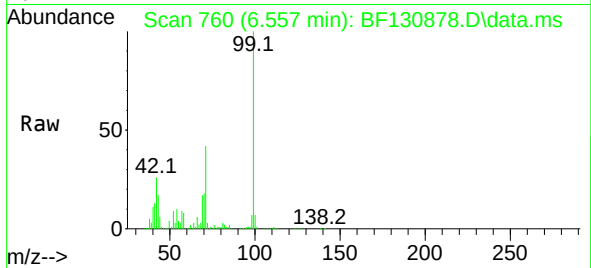
Tgt Ion:112 Resp: 401219
Ion Ratio Lower Upper
112 100
64 69.7 53.9 80.9
63 39.9 29.4 44.2





#7
Phenol-d6
Concen: 91.767 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

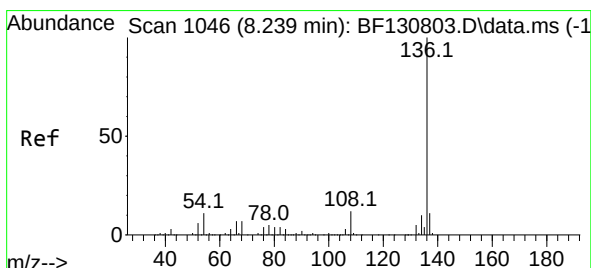
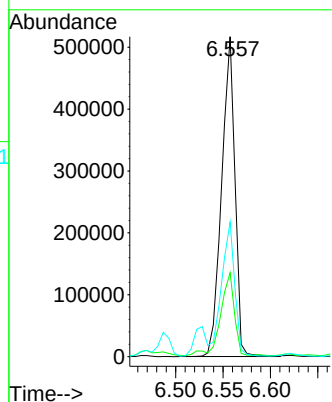
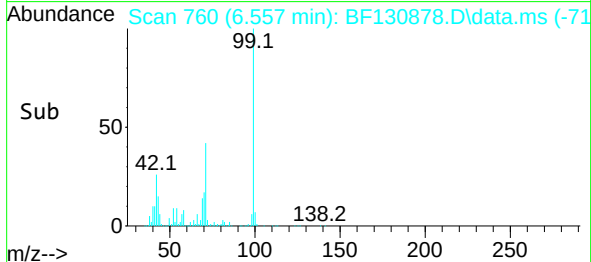
Instrument :
BNA_F
ClientSampleId :
LSP-SS-06-20-40



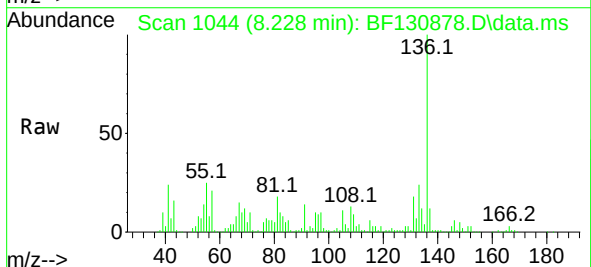
Tgt Ion: 99 Resp: 507178
Ion Ratio Lower Upper
99 100
42 26.3 18.8 28.2
71 42.1 31.4 47.0

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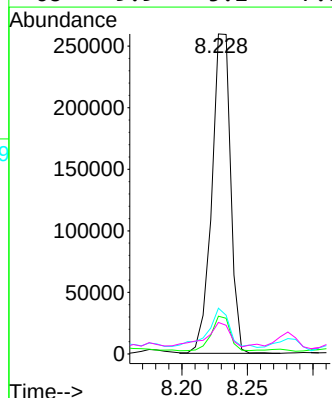
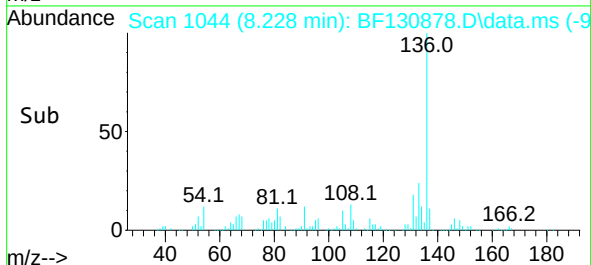
Reviewed By :Christian Giraldo 11/01/2022
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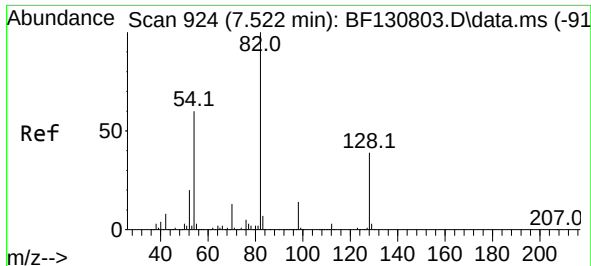


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26



Tgt Ion:136 Resp: 258364
Ion Ratio Lower Upper
136 100
137 11.8 9.2 13.8
54 14.3 8.8 13.2#
68 9.9 5.2 7.8#





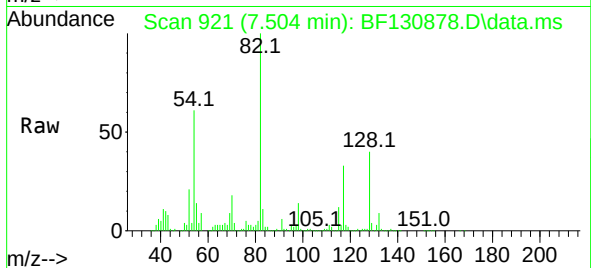
#23
Nitrobenzene-d5
Concen: 77.385 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

Instrument :

BNA_F

ClientSampleId :

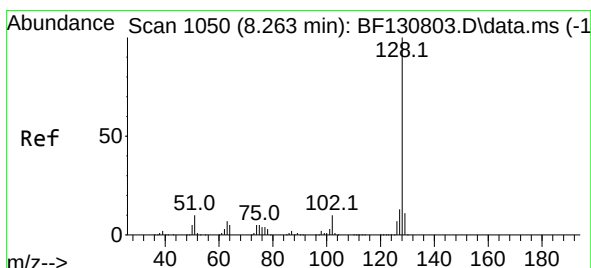
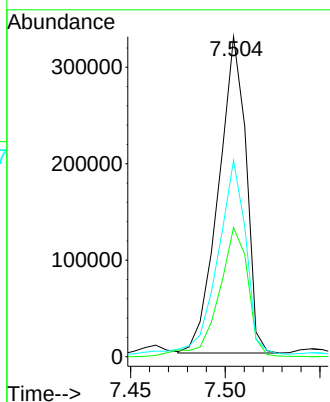
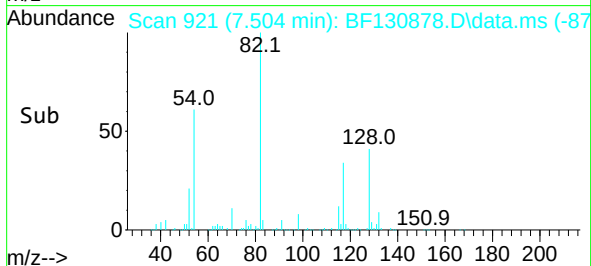
LSP-SS-06-20-40



Tgt Ion: 82 Resp: 33157
Ion Ratio Lower Upper
82 100
128 40.4 31.2 46.8
54 61.4 48.0 72.0

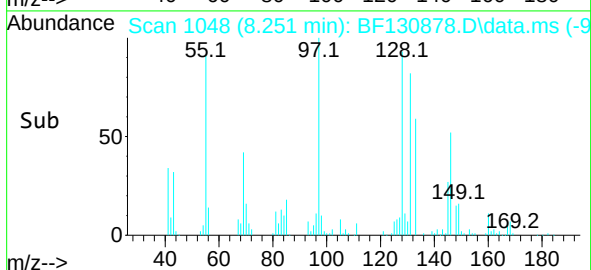
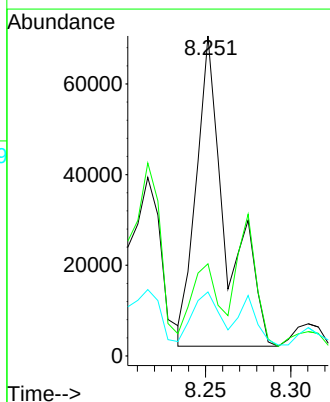
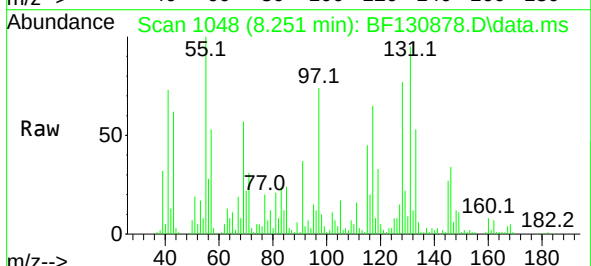
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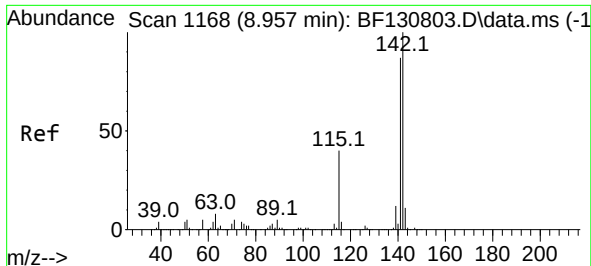
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#31
Naphthalene
Concen: 6.306 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

Tgt Ion:128 Resp: 85007
Ion Ratio Lower Upper
128 100
129 28.8 9.0 13.6#
127 20.0 10.6 16.0#





#37

2-Methylnaphthalene

Concen: 36.773 ng

RT: 8.945 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF130878.D

Acq: 31 Oct 2022 14:26

Instrument :

BNA_F

ClientSampleId :

LSP-SS-06-20-40

Tgt Ion:142 Resp: 311790

Ion Ratio Lower Upper

142 100

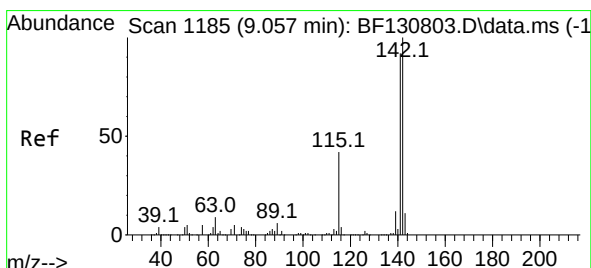
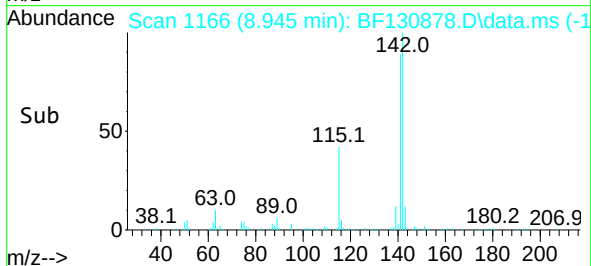
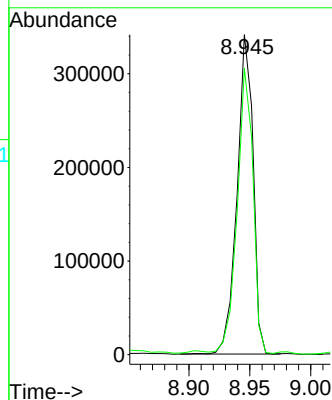
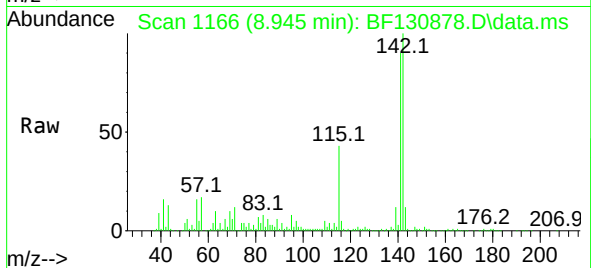
141 89.6 69.9 104.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/01/2022



#38

1-Methylnaphthalene

Concen: 32.123 ng

RT: 9.045 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF130878.D

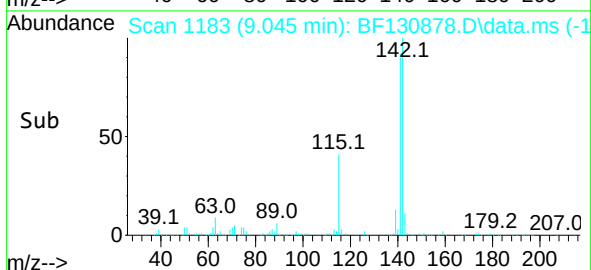
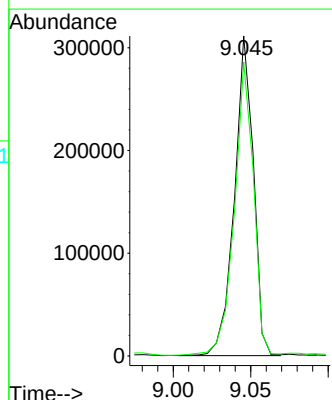
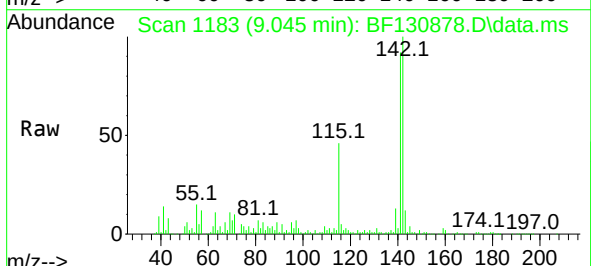
Acq: 31 Oct 2022 14:26

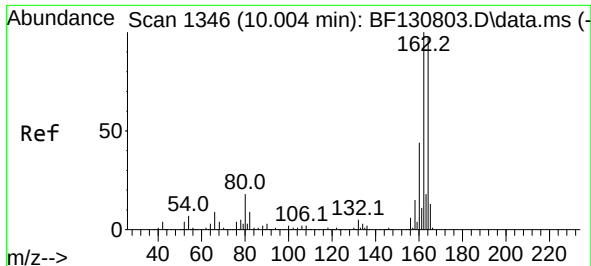
Tgt Ion:142 Resp: 265069

Ion Ratio Lower Upper

142 100

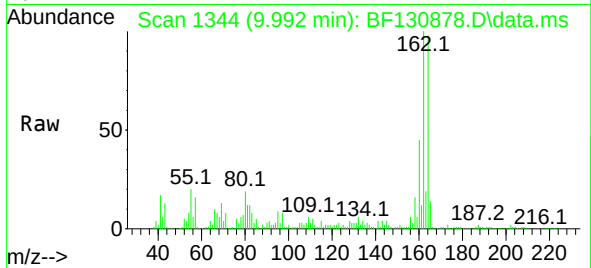
141 91.8 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

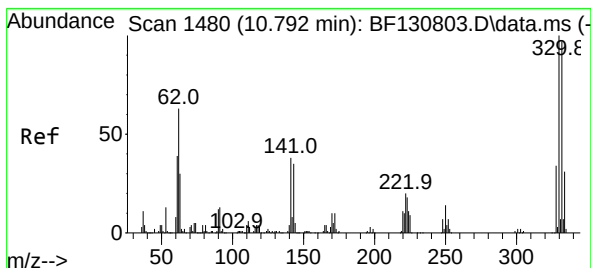
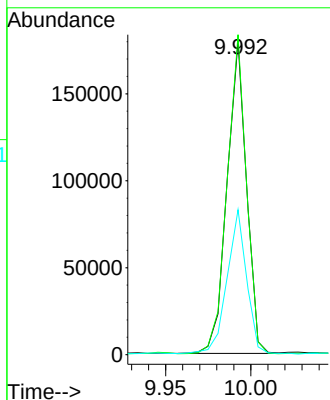
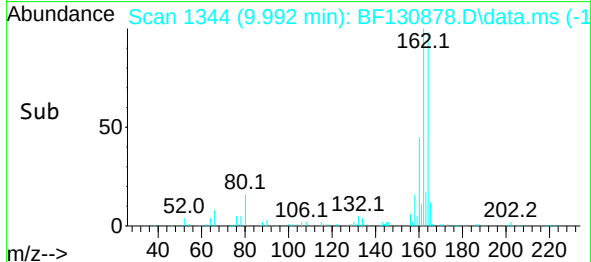
Instrument :
BNA_F
ClientSampleId :
LSP-SS-06-20-40



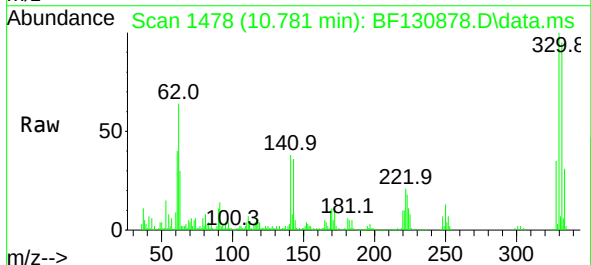
Tgt Ion:164 Resp: 142364
Ion Ratio Lower Upper
164 100
162 102.1 82.2 123.2
160 46.2 36.6 54.8

Manual Integrations
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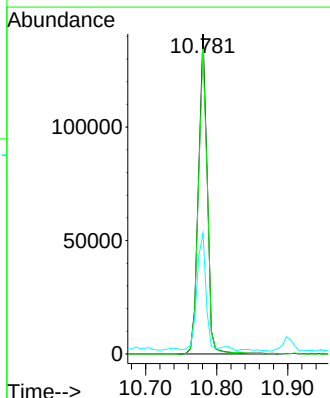
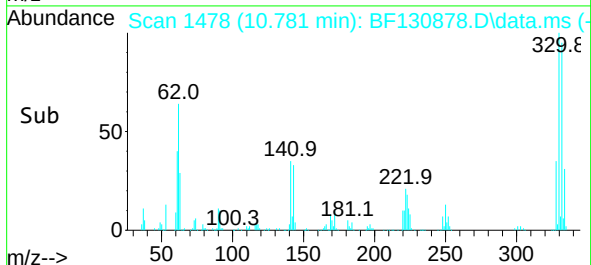
Reviewed By :Christian Giraldo 11/01/2022
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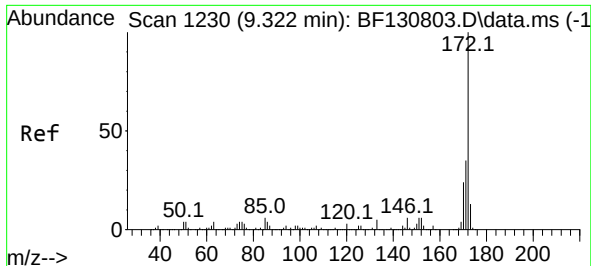


#42
2,4,6-Tribromophenol
Concen: 101.549 ng
RT: 10.781 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26



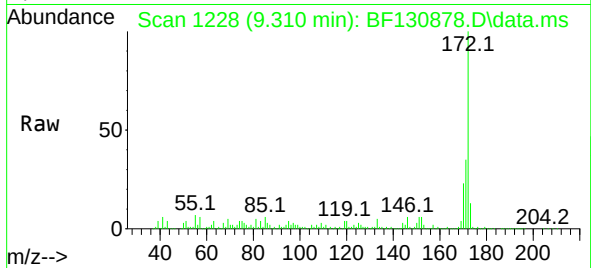
Tgt Ion:330 Resp: 121698
Ion Ratio Lower Upper
330 100
332 96.5 76.2 114.4
141 37.7 31.4 47.0





#45
2-Fluorobiphenyl
Concen: 57.941 ng
RT: 9.310 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

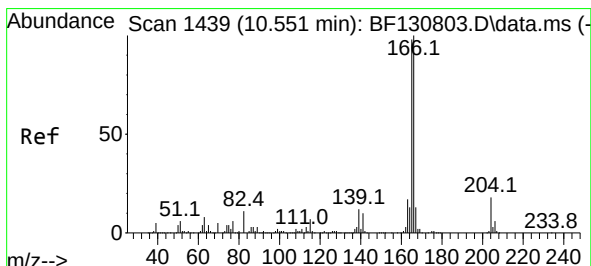
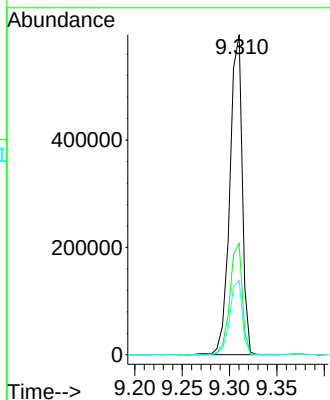
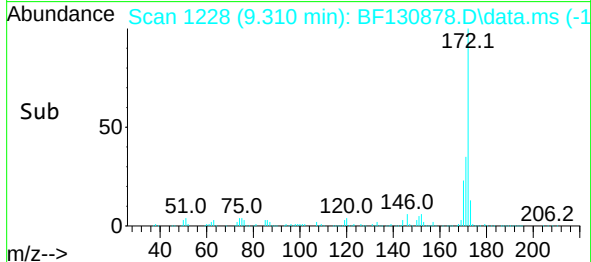
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LSP-SS-06-20-40



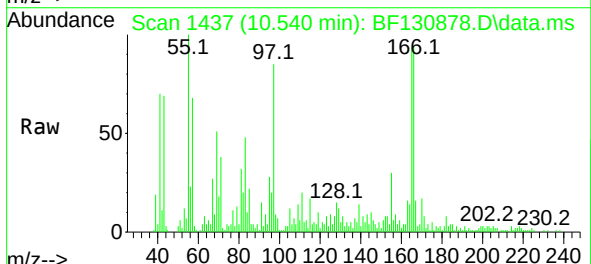
Tgt Ion:172 Resp: 545590
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.1 19.0 28.4

Manual Integrations
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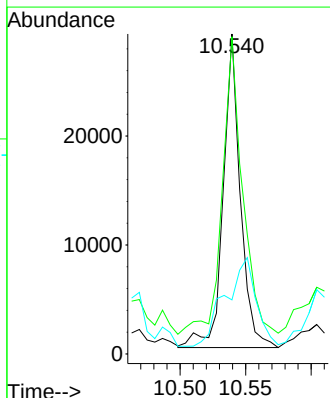
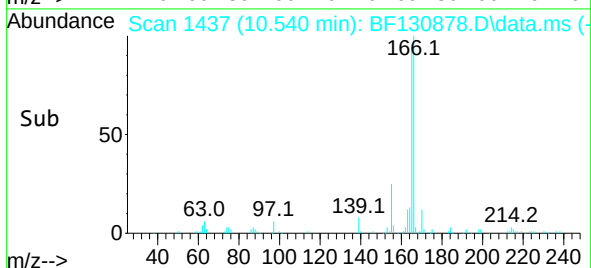
Reviewed By :Christian Giraldo 11/01/2022
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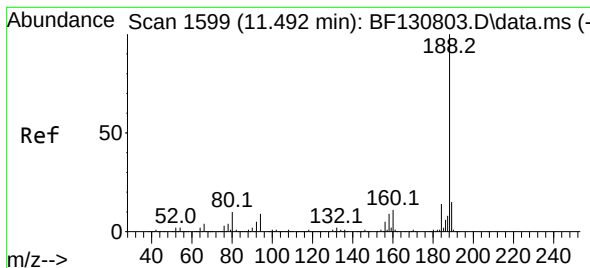


#58
Fluorene
Concen: 2.892 ng
RT: 10.540 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26



Tgt Ion:166 Resp: 26233
Ion Ratio Lower Upper
166 100
165 99.2 78.1 117.1
167 16.9 10.4 15.6#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.481 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

Instrument :

BNA_F

ClientSampleId :

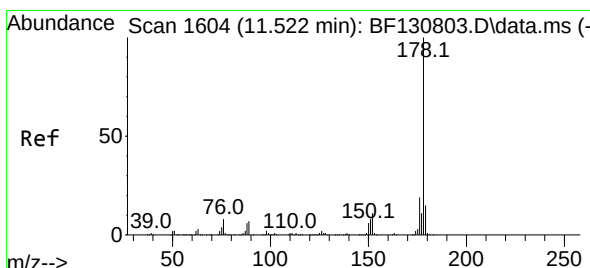
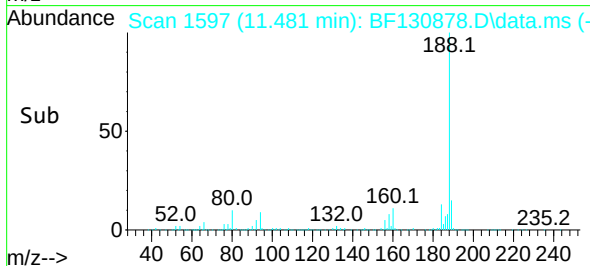
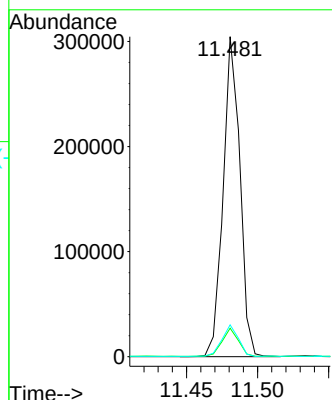
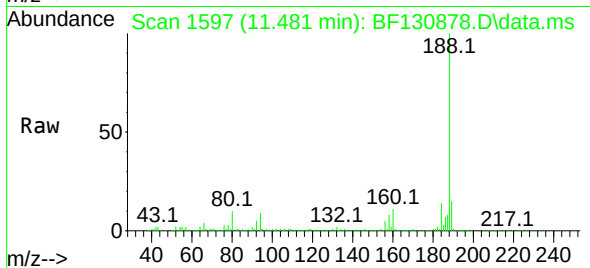
LSP-SS-06-20-40

Tgt Ion:188 Resp: 249738
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.2
80 9.9 8.0 12.0

Manual Integrations

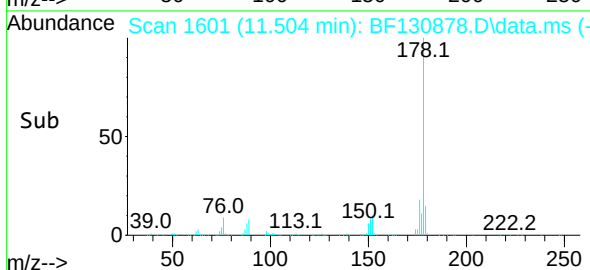
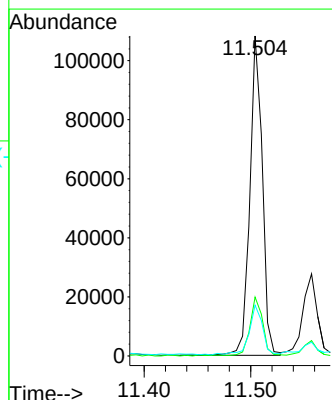
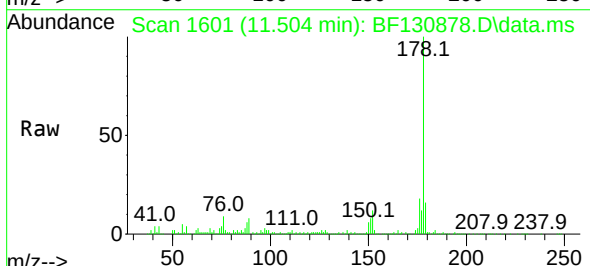
APPROVED

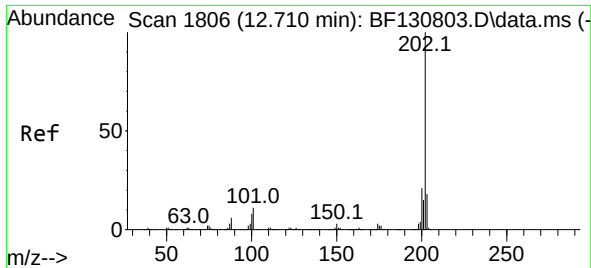
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#71
Phenanthrene
Concen: 6.857 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

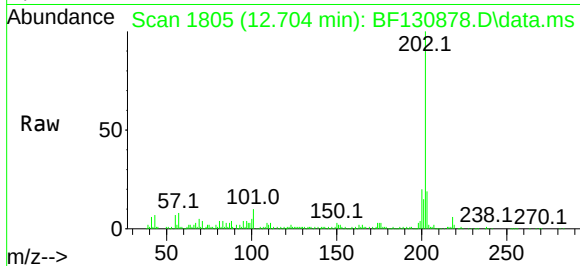
Tgt Ion:178 Resp: 88384
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 15.9 12.2 18.2





#75
Fluoranthene
Concen: 4.648 ng
RT: 12.704 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

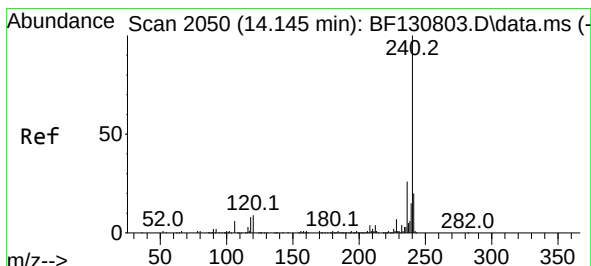
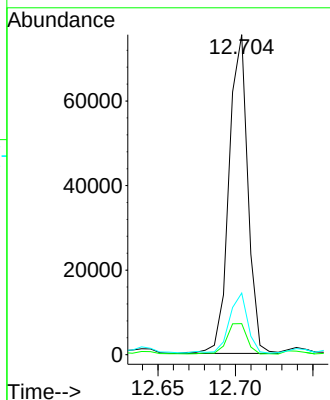
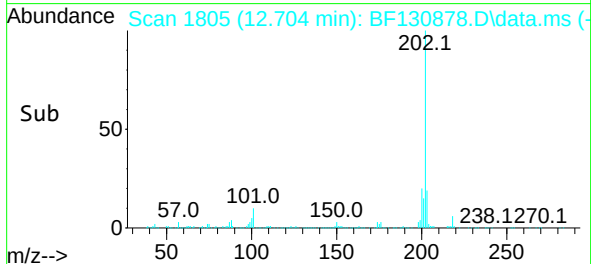
Instrument :
BNA_F
ClientSampleId :
LSP-SS-06-20-40



Tgt Ion:202 Resp: 63650
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.9
203 19.2 0.0 37.7

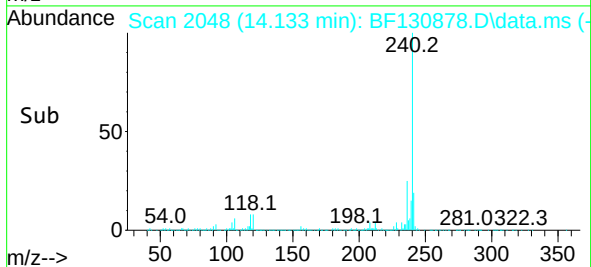
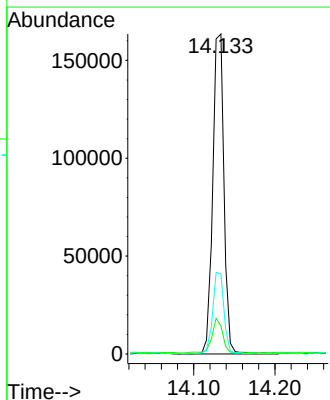
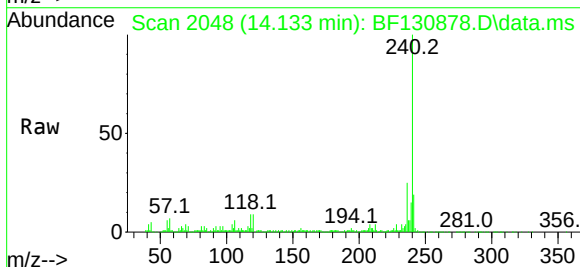
Manual Integrations
APPROVED

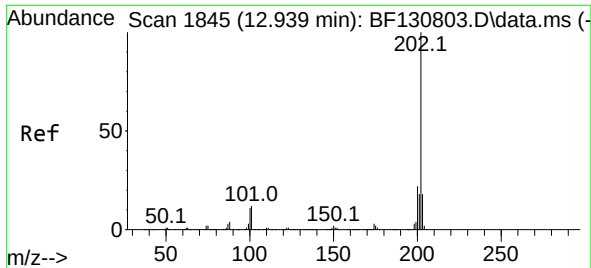
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2048
Delta R.T. 0.000 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

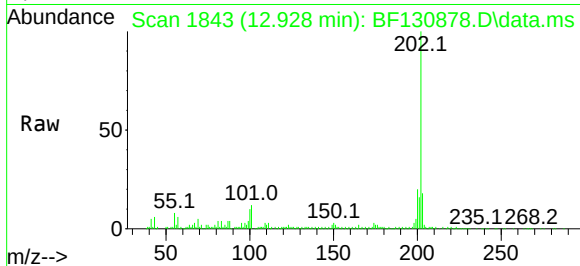
Tgt Ion:240 Resp: 157088
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.4
236 25.0 20.5 30.7





#78
Pyrene
Concen: 5.317 ng
RT: 12.928 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

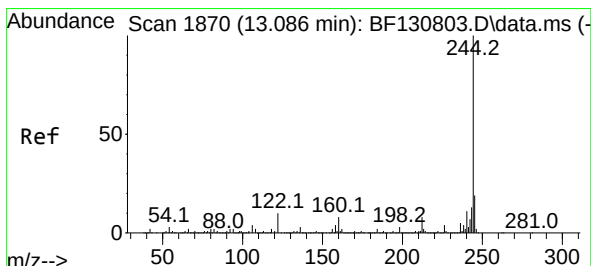
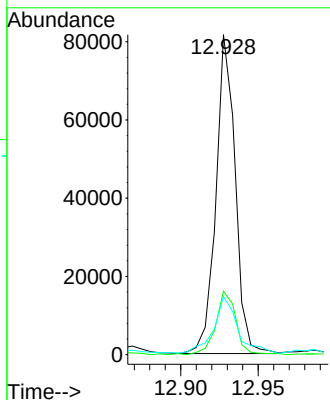
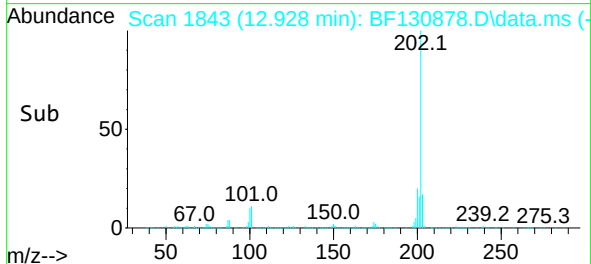
Instrument :
BNA_F
ClientSampleId :
LSP-SS-06-20-40



Tgt Ion:202 Resp: 70469
Ion Ratio Lower Upper
202 100
200 19.9 17.2 25.8
203 18.2 14.5 21.7

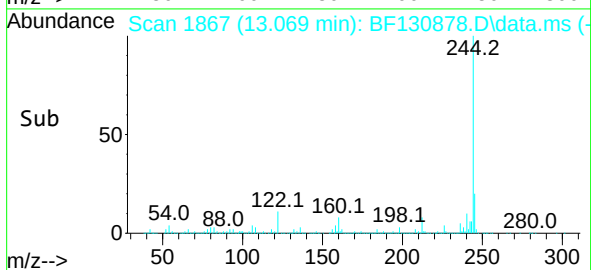
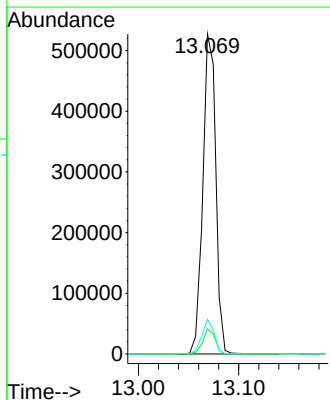
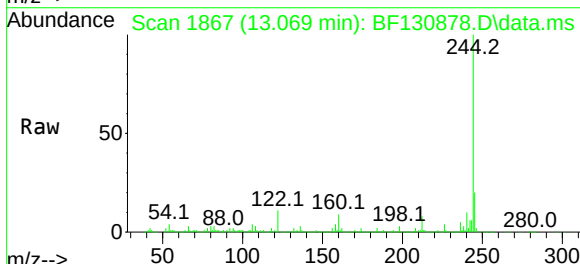
Manual Integrations
APPROVED

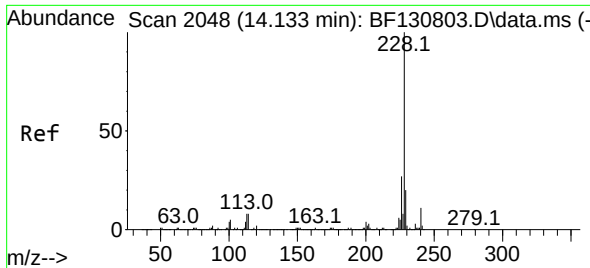
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#79
Terphenyl-d14
Concen: 55.460 ng
RT: 13.069 min Scan# 1867
Delta R.T. -0.006 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

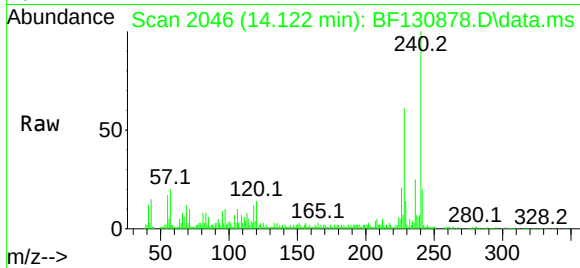
Tgt Ion:244 Resp: 475433
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 10.9 7.9 11.9





#81
Benzo(a)anthracene
Concen: 3.282 ng m
RT: 14.122 min Scan# 2046
Delta R.T. 0.000 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

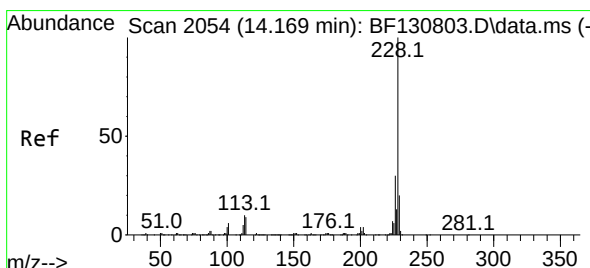
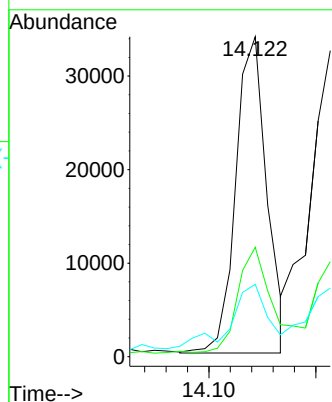
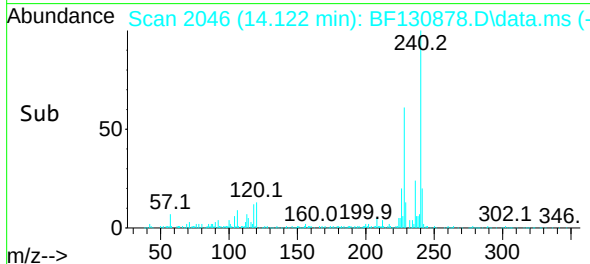
Instrument :
BNA_F
ClientSampleId :
LSP-SS-06-20-40



Tgt Ion:228 Resp: 3418
Ion Ratio Lower Upper
228 100
226 34.2 21.4 32.2
229 22.6 15.8 23.6

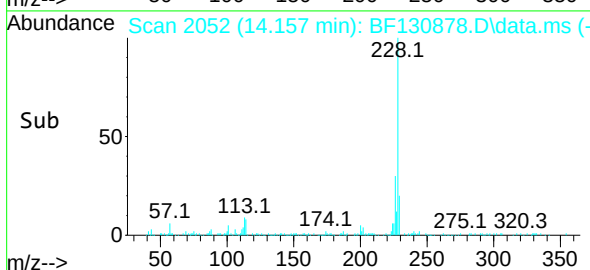
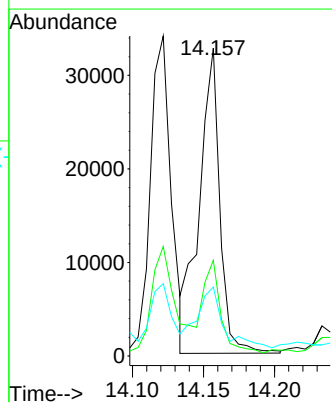
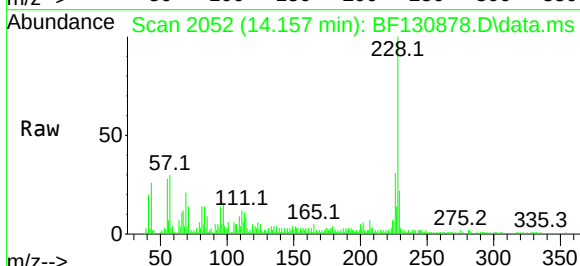
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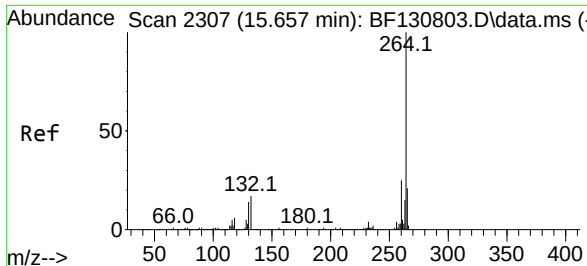
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#83
Chrysene
Concen: 3.303 ng
RT: 14.157 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

Tgt Ion:228 Resp: 33187
Ion Ratio Lower Upper
228 100
226 31.1 23.9 35.9
229 22.4 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

Instrument :

BNA_F

ClientSampleId :

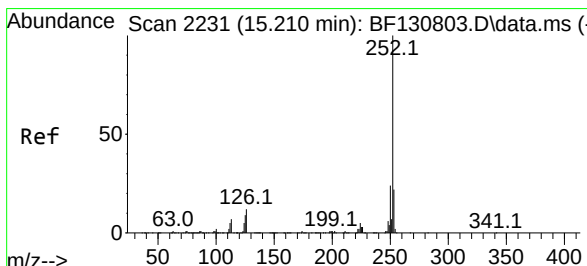
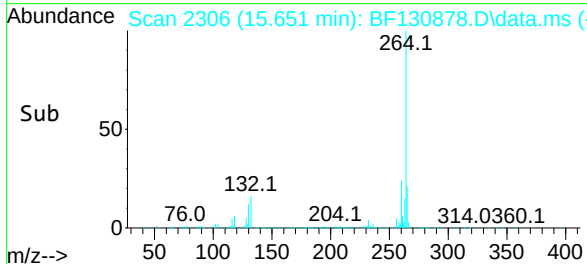
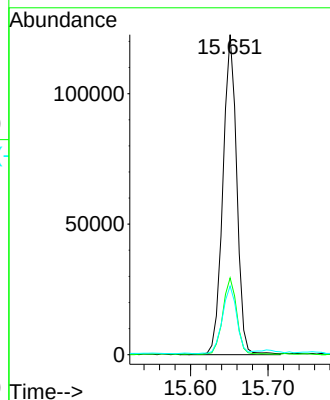
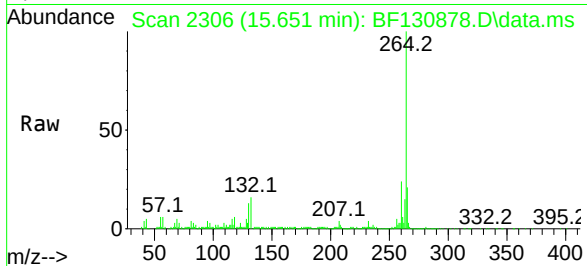
LSP-SS-06-20-40

Tgt Ion:264 Resp: 15239
Ion Ratio Lower Upper
264 100
260 24.0 19.9 29.9
265 21.5 17.0 25.6

Manual Integrations

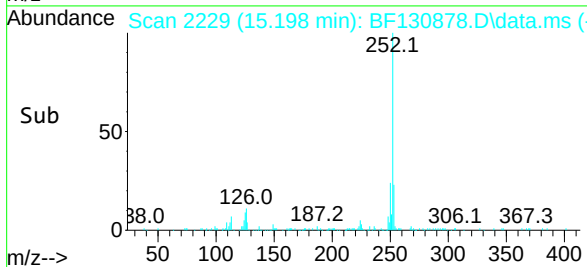
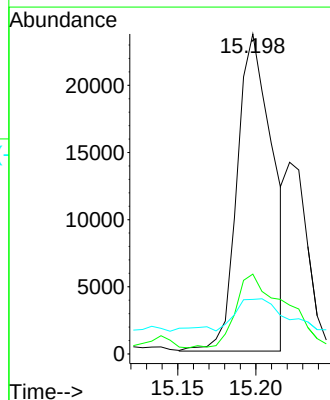
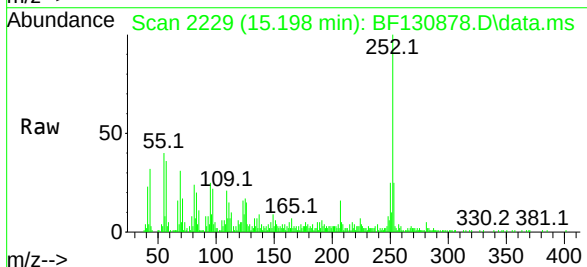
APPROVED

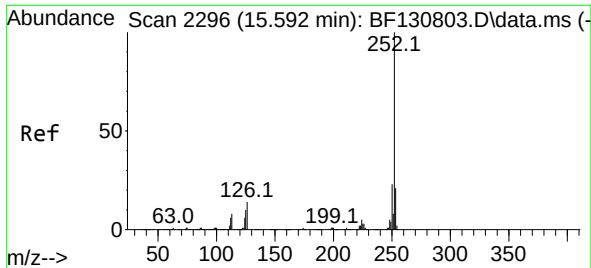
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#88
Benzo(b)fluoranthene
Concen: 3.765 ng m
RT: 15.198 min Scan# 2229
Delta R.T. 0.000 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

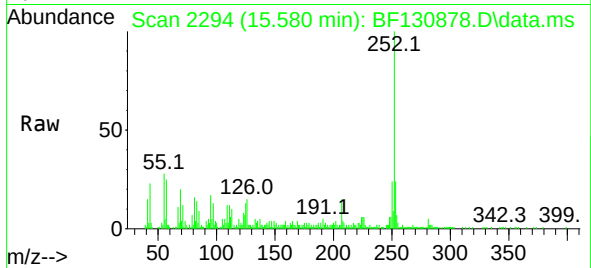
Tgt Ion:252 Resp: 37088
Ion Ratio Lower Upper
252 100
253 24.9 17.5 26.3
125 17.0 7.0 10.4#





#90
Benzo(a)pyrene
Concen: 4.375 ng
RT: 15.580 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF130878.D
Acq: 31 Oct 2022 14:26

Instrument :
BNA_F
ClientSampleId :
LSP-SS-06-20-40



Tgt Ion:252 Resp: 34640
Ion Ratio Lower Upper
252 100
253 23.8 16.8 25.2
125 13.0 8.3 12.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

