

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130880.D
 Acq On : 31 Oct 2022 15:31
 Operator : CG\JU
 Sample : N5267-07RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3-1024RE

Manual Integrations
 APPROVED

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

Quant Time: Oct 31 16:40:18 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	6.945	152	68871	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	197476	20.000	ng	# 0.00
39) Acenaphthene-d10	10.010	164	90870	20.000	ng	0.01
64) Phenanthrene-d10	11.504	188	155697	20.000	ng	# 0.02
76) Chrysene-d12	14.145	240	141778	20.000	ng	# 0.01
86) Perylene-d12	15.674	264	106068	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	392528	98.807	ng	0.00
7) Phenol-d6	6.557	99	475447	92.096	ng	0.00
23) Nitrobenzene-d5	7.510	82	304495	92.977	ng	0.00
42) 2,4,6-Tribromophenol	10.804	330	80212	104.860	ng	0.02
45) 2-Fluorobiphenyl	9.322	172	376396	62.624	ng	0.01
79) Terphenyl-d14	13.086	244	442372	57.176	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.263	128	115292	11.190	ng	# 74
37) 2-Methylnaphthalene	8.963	142	400354	61.776	ng	100
38) 1-Methylnaphthalene	9.063	142	359349	56.976	ng	95
46) 1,1'-Biphenyl	9.427	154	36579	5.650	ng	85
52) Acenaphthene	10.045	154	66432	13.096	ng	# 81
58) Fluorene	10.563	166	115099	19.880	ng	# 86
71) Phenanthrene	11.527	178	520015	64.710	ng	97
75) Fluoranthene	12.721	202	373731	43.772	ng	97
78) Pyrene	12.951	202	373468	31.222	ng	98
81) Benzo(a)anthracene	14.133	228	137559	14.634	ng	# 93
83) Chrysene	14.174	228	122970	13.562	ng	# 96
84) Bis(2-ethylhexyl)phtha...	14.115	149	30632	5.920	ng	# 88
87) Indeno(1,2,3-cd)pyrene	17.221	276	47936	6.805	ng	95
88) Benzo(b)fluoranthene	15.215	252	126124m	18.395	ng	
89) Benzo(k)fluoranthene	15.245	252	35647m	5.335	ng	
90) Benzo(a)pyrene	15.604	252	85365	15.488	ng	# 81
92) Benzo(g,h,i)perylene	17.698	276	46688	7.970	ng	# 90

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

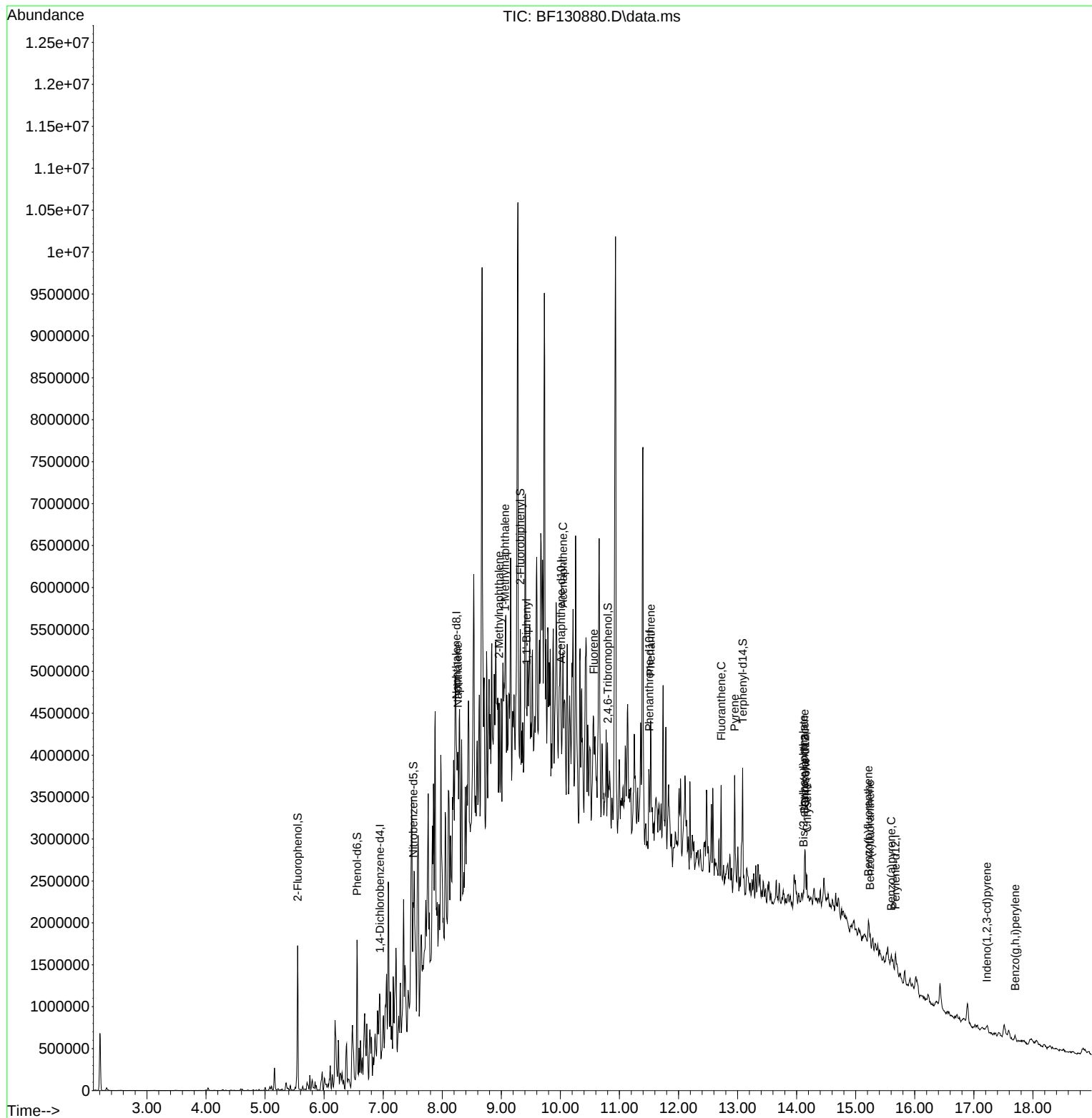
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130880.D
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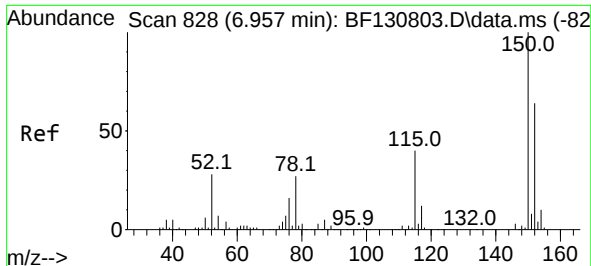
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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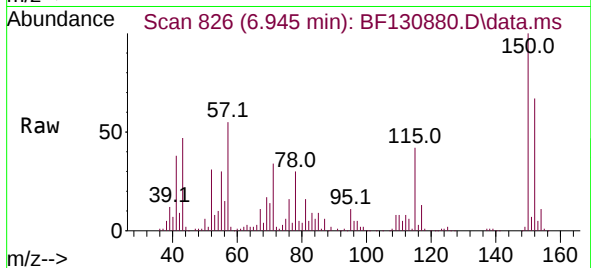
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

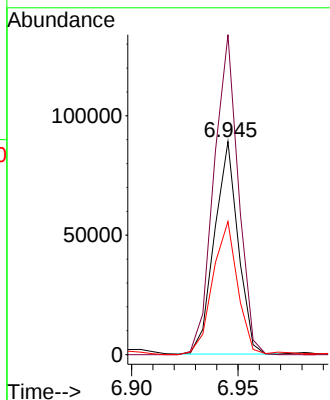
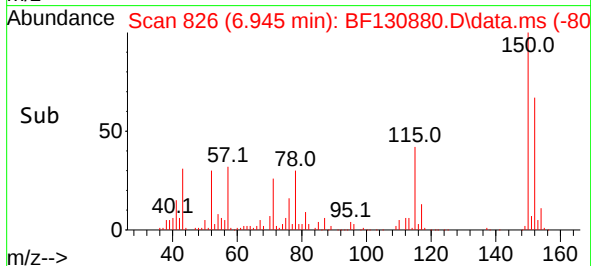
Instrument :
BNA_F
ClientSampleId :
TP3-1024RE



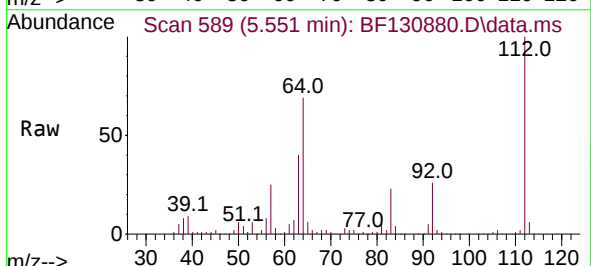
Tgt Ion:152 Resp: 6887
Ion Ratio Lower Upper
152 100
150 150.2 124.1 186.1
115 62.5 50.1 75.1

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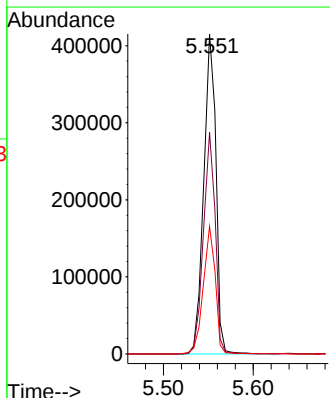
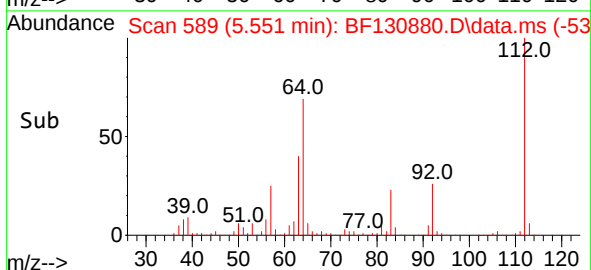
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

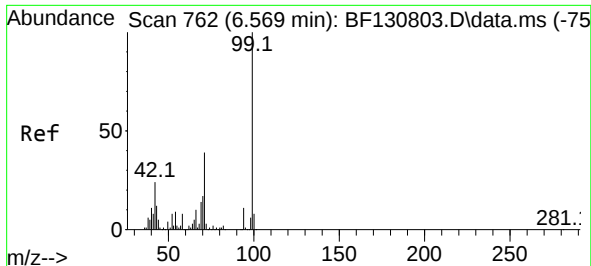


#5
2-Fluorophenol
Concen: 98.807 ng
RT: 5.551 min Scan# 589
Delta R.T. -0.006 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31



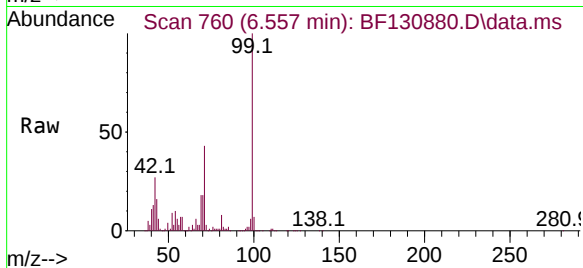
Tgt Ion:112 Resp: 392528
Ion Ratio Lower Upper
112 100
64 69.3 53.9 80.9
63 39.9 29.4 44.2





#7
Phenol-d6
Concen: 92.096 ng
RT: 6.557 min Scan# 762
Delta R.T. -0.006 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

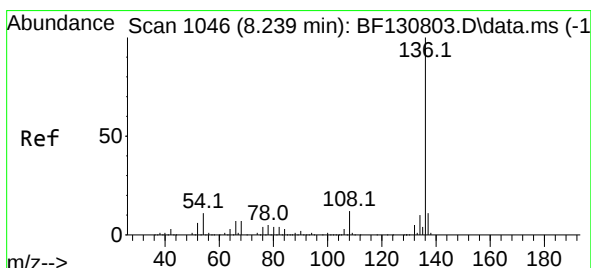
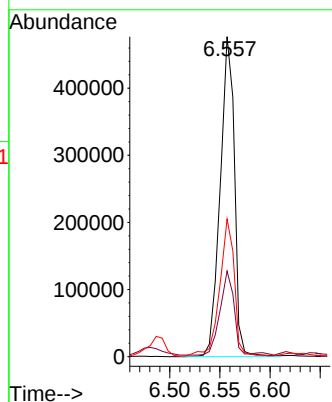
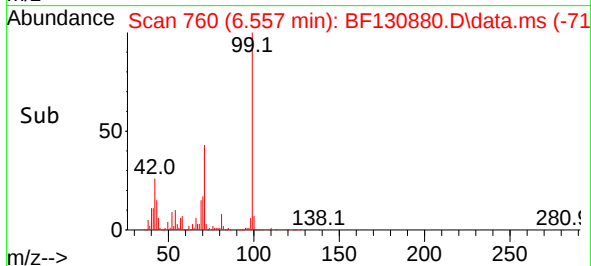
Instrument :
BNA_F
Client Sample Id :
TP3-1024RE



Tgt Ion: 99 Resp: 475447
Ion Ratio Lower Upper
99 100
42 26.7 18.8 28.2
71 43.0 31.4 47.0

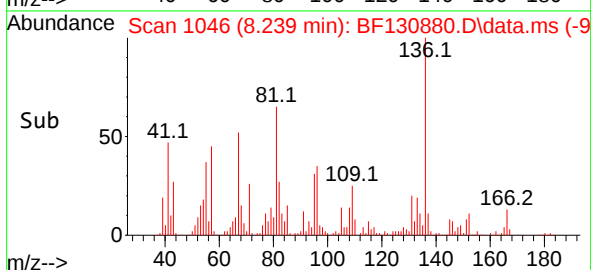
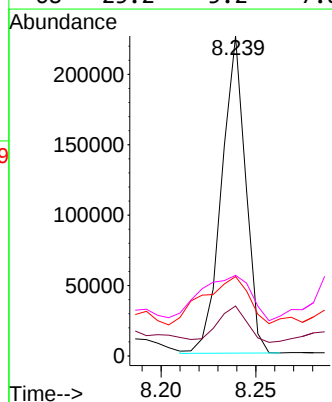
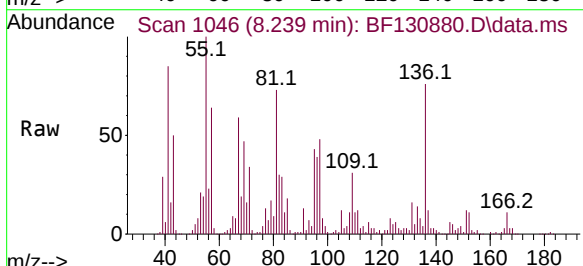
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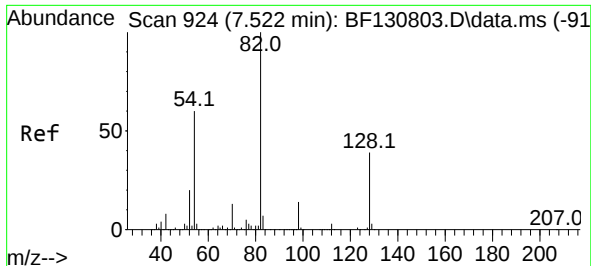
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. 0.006 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

Tgt Ion:136 Resp: 197476
Ion Ratio Lower Upper
136 100
137 15.6 9.2 13.8#
54 24.8 8.8 13.2#
68 25.2 5.2 7.8#





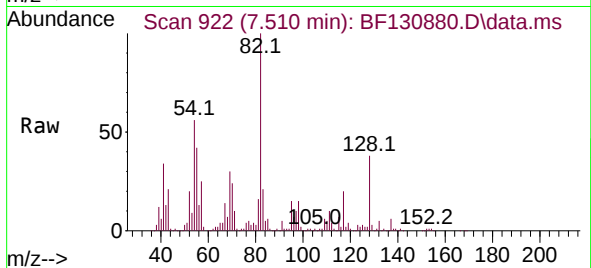
#23
Nitrobenzene-d5
Concen: 92.977 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

Instrument :

BNA_F

ClientSampleId :

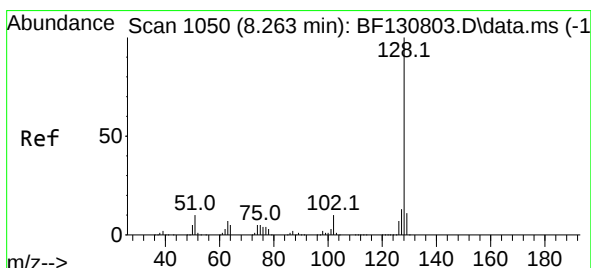
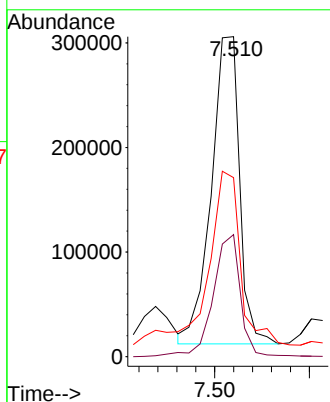
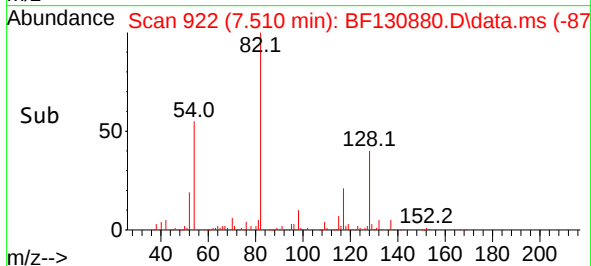
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Tgt Ion: 82 Resp: 304495
Ion Ratio Lower Upper
82 100
128 38.1 31.2 46.8
54 55.9 48.0 72.0

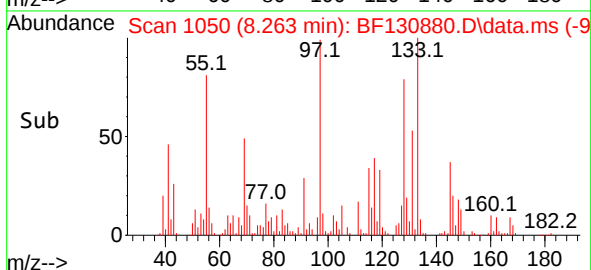
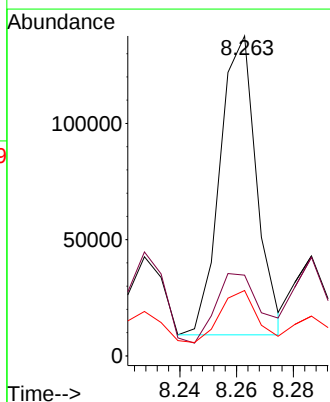
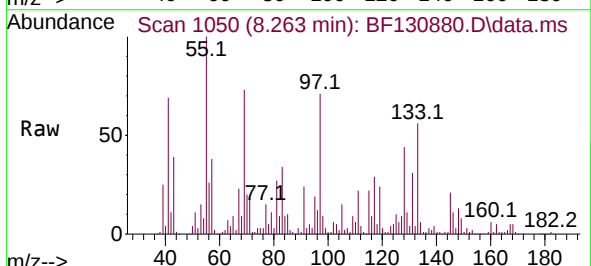
Manual Integrations
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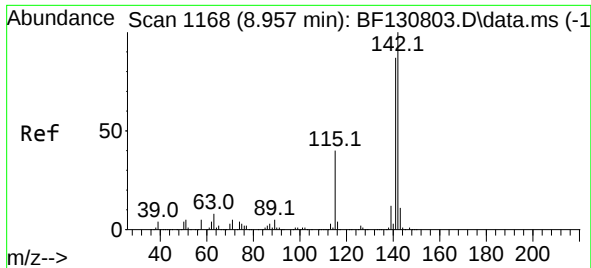
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#31
Naphthalene
Concen: 11.190 ng
RT: 8.263 min Scan# 1050
Delta R.T. 0.006 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

Tgt Ion:128 Resp: 115292
Ion Ratio Lower Upper
128 100
129 25.2 9.0 13.6#
127 20.4 10.6 16.0#





#37

2-Methylnaphthalene

Concen: 61.776 ng

RT: 8.963 min Scan# 1169

Delta R.T. 0.017 min

Lab File: BF130880.D

Acq: 31 Oct 2022 15:31

Instrument :

BNA_F

ClientSampleId :

TP3-1024RE

Tgt Ion:142 Resp: 400354

Ion Ratio Lower Upper

142 100

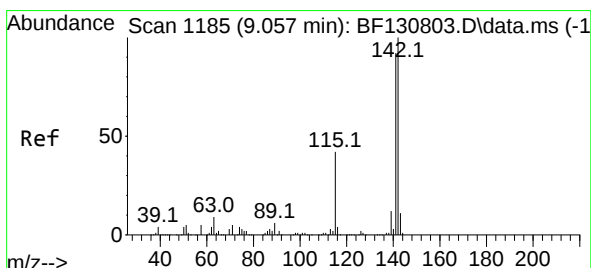
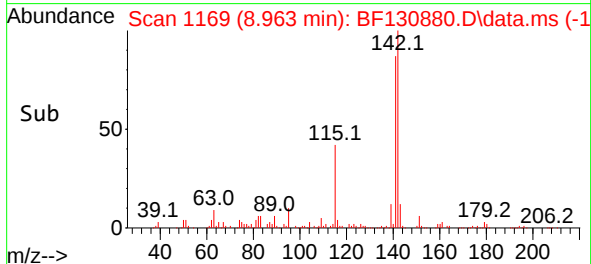
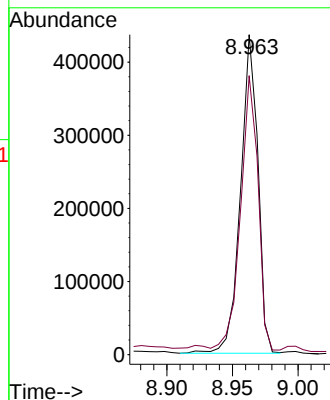
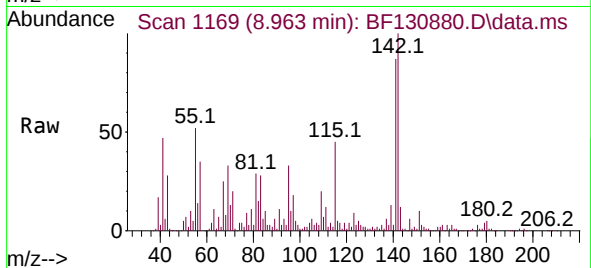
141 87.2 69.9 104.9

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 56.976 ng

RT: 9.063 min Scan# 1186

Delta R.T. 0.012 min

Lab File: BF130880.D

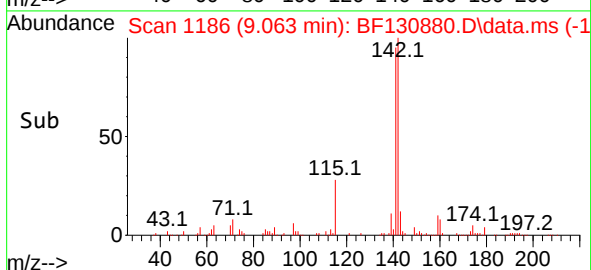
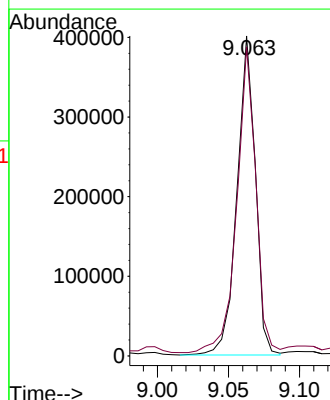
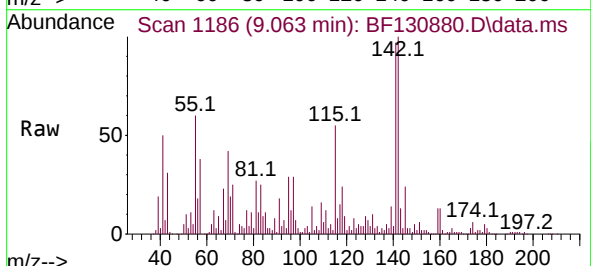
Acq: 31 Oct 2022 15:31

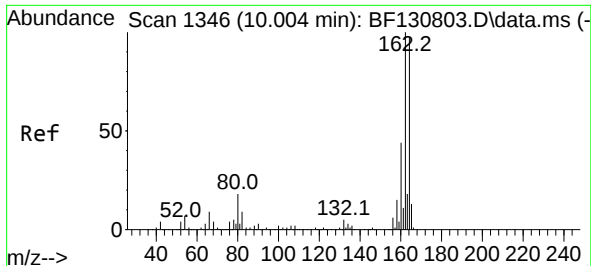
Tgt Ion:142 Resp: 359349

Ion Ratio Lower Upper

142 100

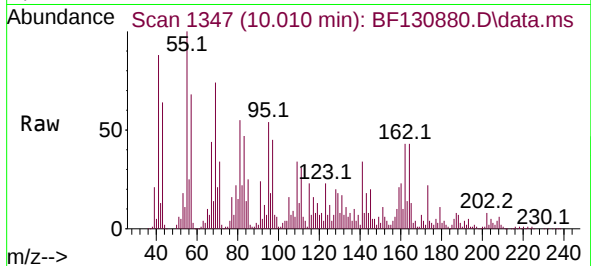
141 96.6 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 1346
Delta R.T. 0.012 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

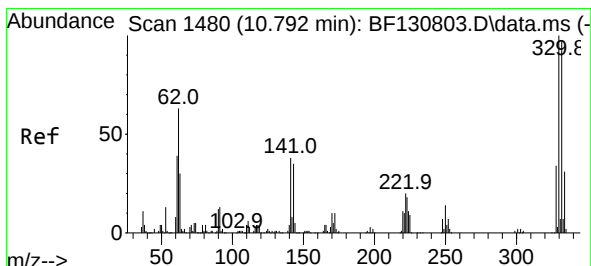
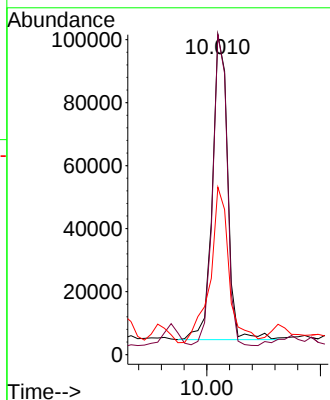
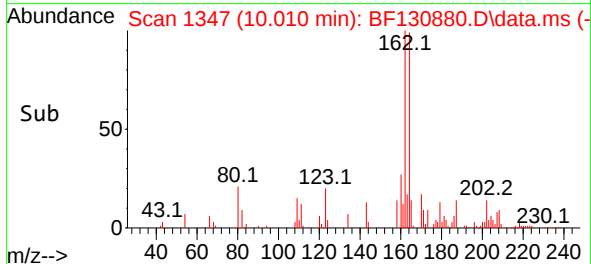
Instrument :
BNA_F
ClientSampleId :
TP3-1024RE



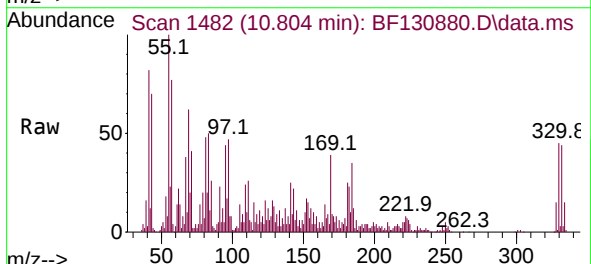
Tgt Ion:164 Resp: 90870
Ion Ratio Lower Upper
164 100
162 100.0 82.2 123.2
160 52.4 36.6 54.8

Manual Integrations
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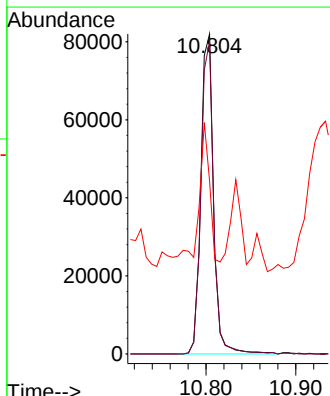
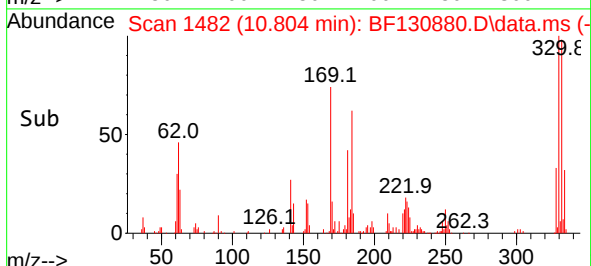
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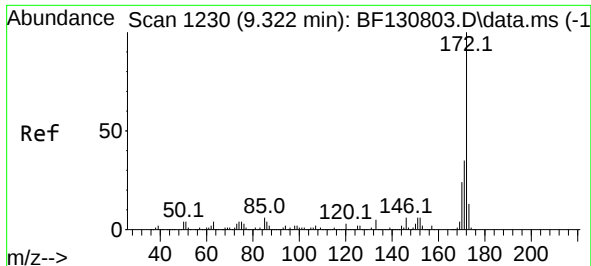


#42
2,4,6-Tribromophenol
Concen: 104.860 ng
RT: 10.804 min Scan# 1482
Delta R.T. 0.017 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31



Tgt Ion:330 Resp: 80212
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.4
141 31.7 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 62.624 ng

RT: 9.322 min Scan# 1230

Delta R.T. 0.012 min

Lab File: BF130880.D

Acq: 31 Oct 2022 15:31

Instrument :

BNA_F

ClientSampleId :

TP3-1024RE

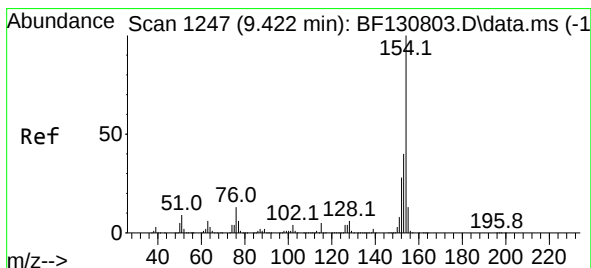
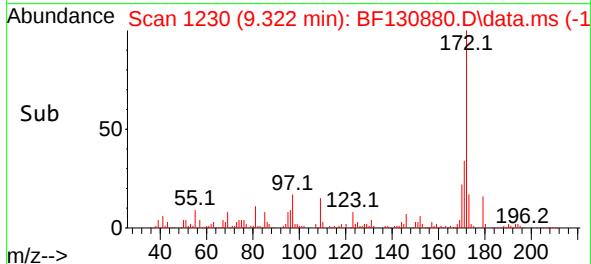
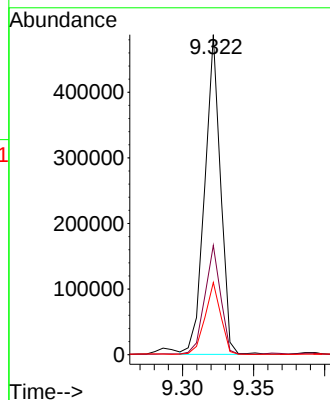
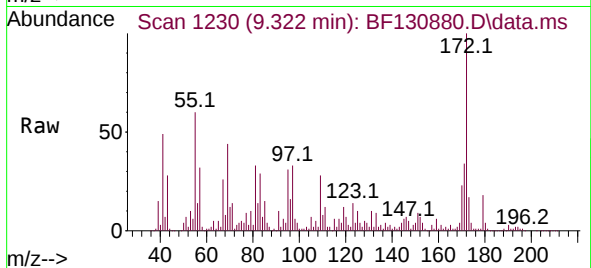
Tgt Ion:172 Resp: 376396

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.1	42.1
170	22.5	19.0	28.4

Manual Integrations

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#46

1,1'-Biphenyl

Concen: 5.650 ng

RT: 9.427 min Scan# 1248

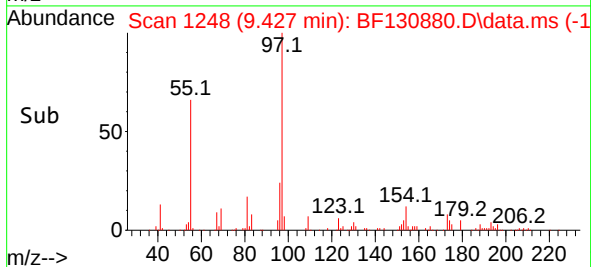
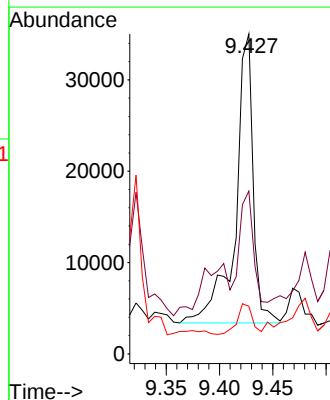
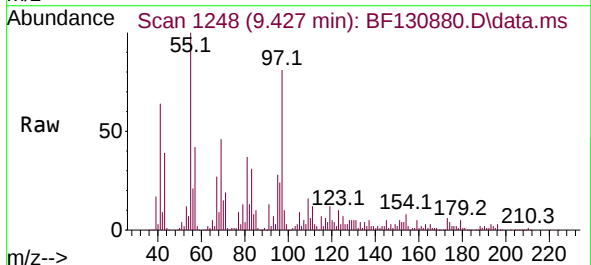
Delta R.T. 0.012 min

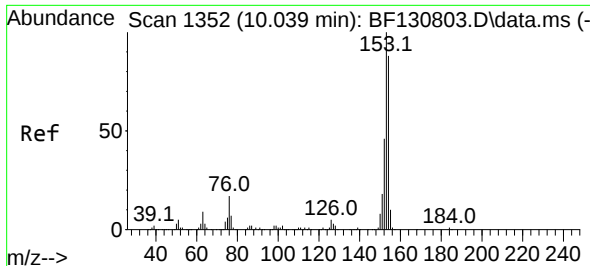
Lab File: BF130880.D

Acq: 31 Oct 2022 15:31

Tgt Ion:154 Resp: 36579

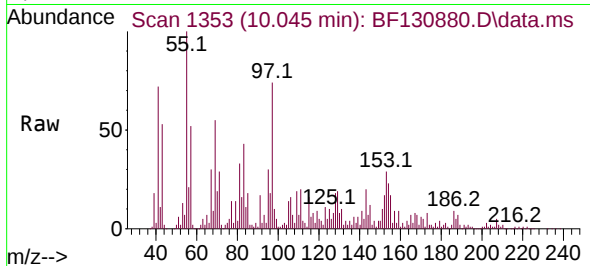
Ion	Ratio	Lower	Upper
154	100		
153	50.9	19.9	59.9
76	14.9	0.0	32.5





#52
Acenaphthene
Concen: 13.096 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.012 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

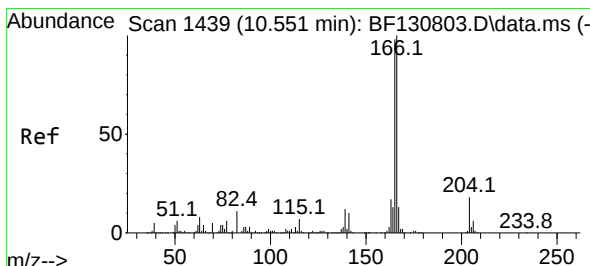
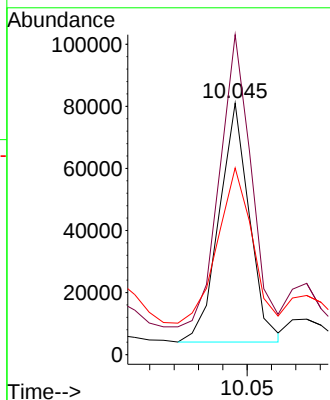
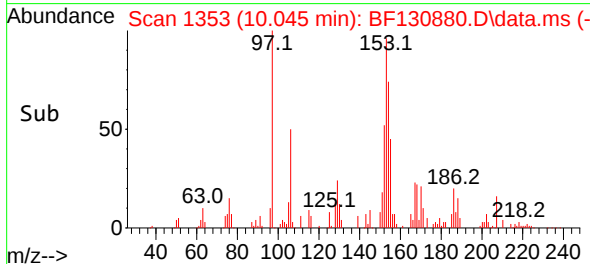
Instrument :
BNA_F
ClientSampleId :
TP3-1024RE



Tgt Ion:154 Resp: 66432
Ion Ratio Lower Upper
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153 127.3 90.5 135.7
152 74.2 42.0 63.0

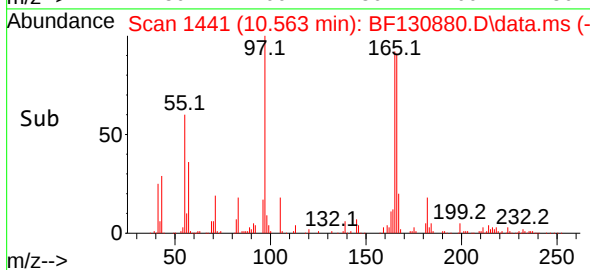
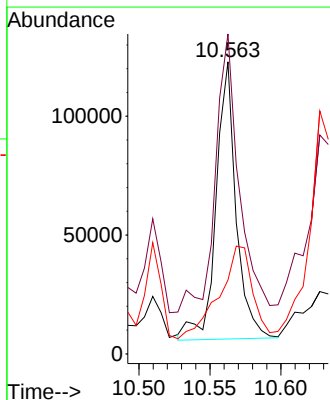
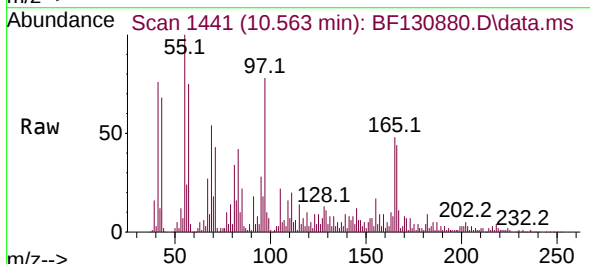
Manual Integrations
APPROVED

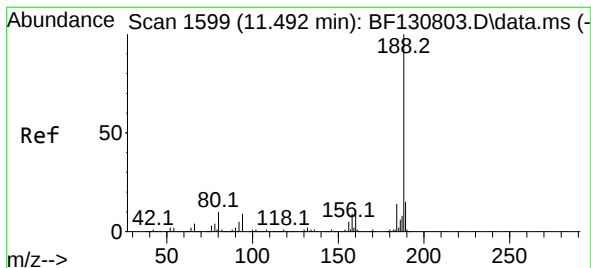
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#58
Fluorene
Concen: 19.880 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.017 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

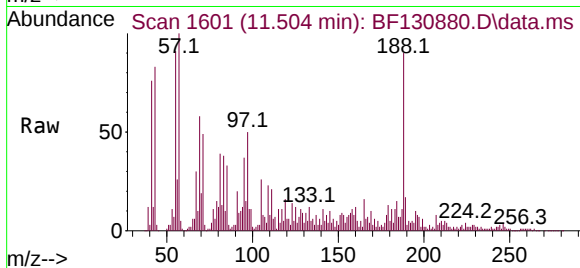
Tgt Ion:166 Resp: 115099
Ion Ratio Lower Upper
166 100
165 109.6 78.1 117.1
167 25.3 10.4 15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 1601
Delta R.T. 0.017 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

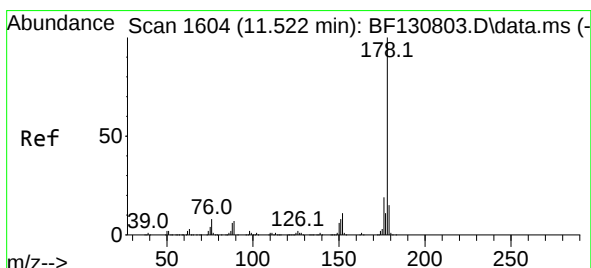
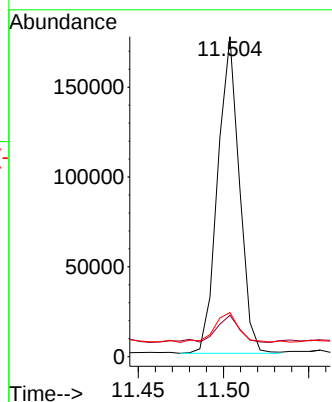
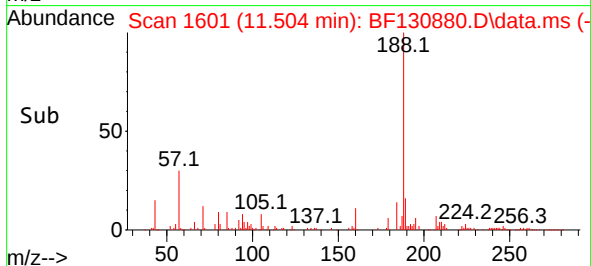
Instrument :
BNA_F
ClientSampleId :
TP3-1024RE



Tgt Ion:188 Resp: 155697
Ion Ratio Lower Upper
188 100
94 12.9 7.4 11.2
80 13.8 8.0 12.0

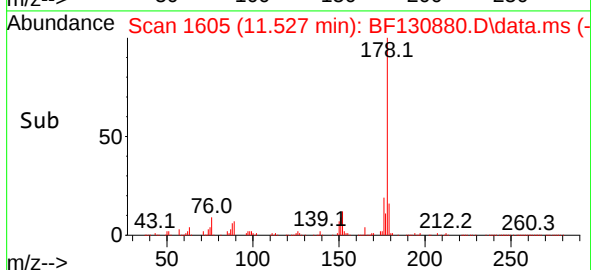
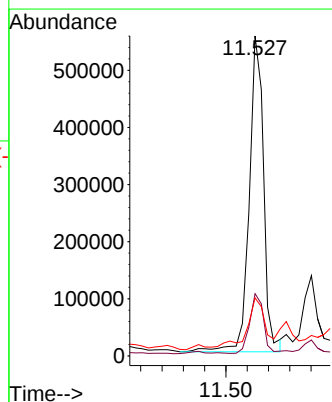
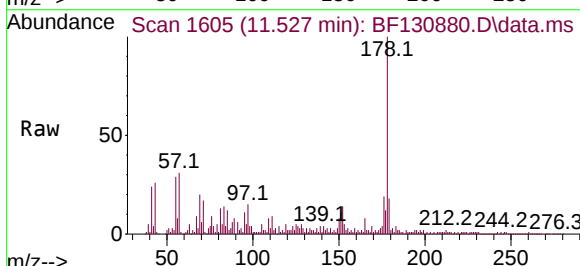
Manual Integrations
APPROVED

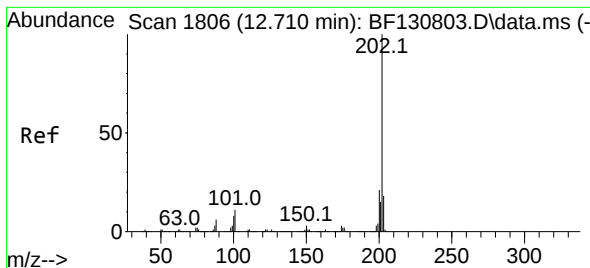
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#71
Phenanthrene
Concen: 64.710 ng
RT: 11.527 min Scan# 1605
Delta R.T. 0.017 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

Tgt Ion:178 Resp: 520015
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 18.1 12.2 18.2





#75
Fluoranthene
Concen: 43.772 ng
RT: 12.721 min Scan# 1806
Delta R.T. 0.017 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

Instrument :

BNA_F

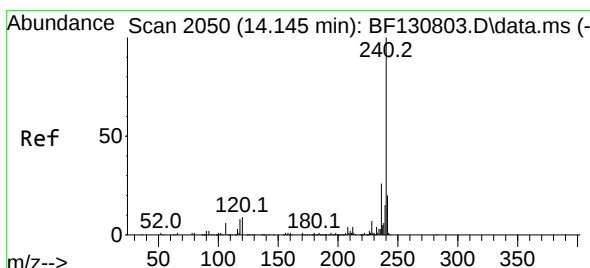
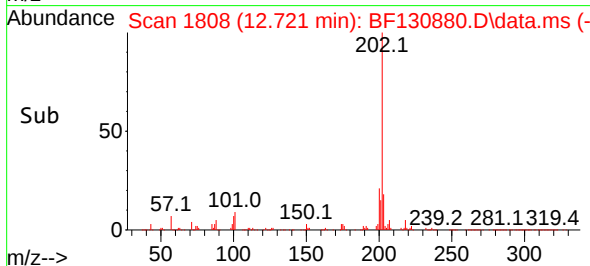
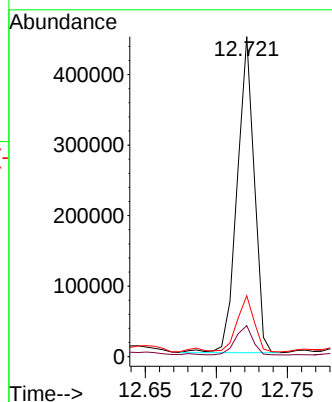
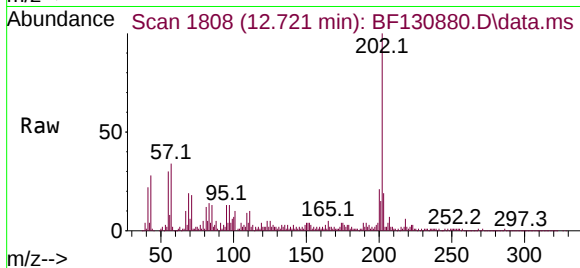
ClientSampleId :

TP3-1024RE

Tgt Ion:202 Resp: 373731
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.9
203 19.0 0.0 37.7

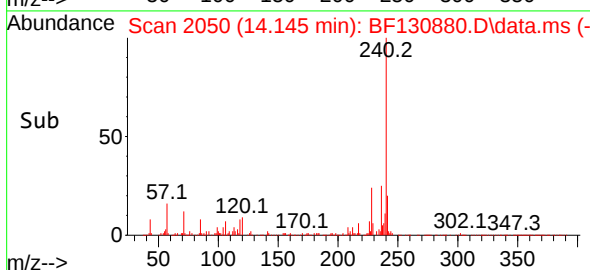
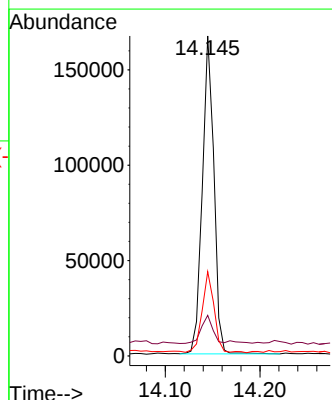
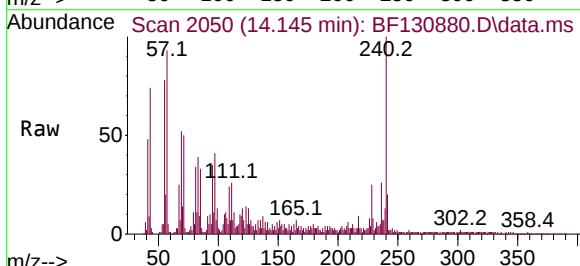
Manual Integrations
APPROVED

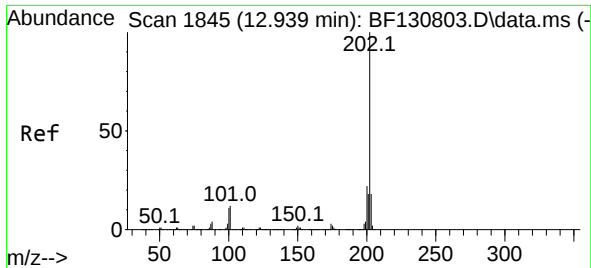
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. 0.012 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

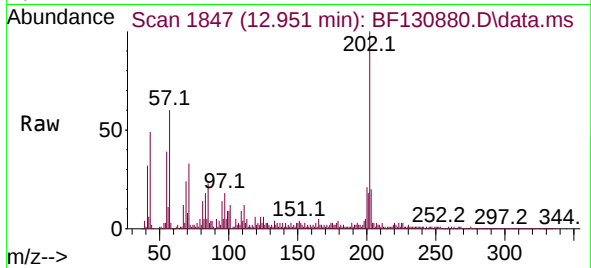
Tgt Ion:240 Resp: 141778
Ion Ratio Lower Upper
240 100
120 12.7 7.0 10.4#
236 26.3 20.5 30.7





#78
Pyrene
Concen: 31.222 ng
RT: 12.951 min Scan# 1845
Delta R.T. 0.017 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

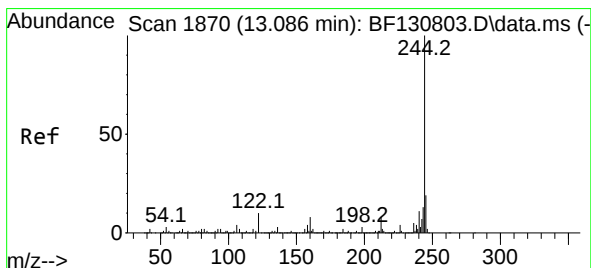
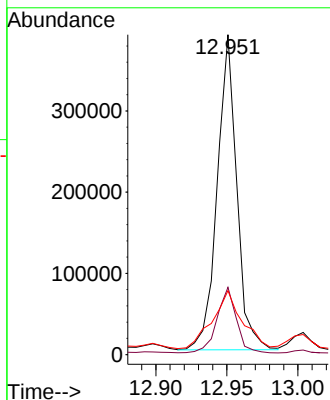
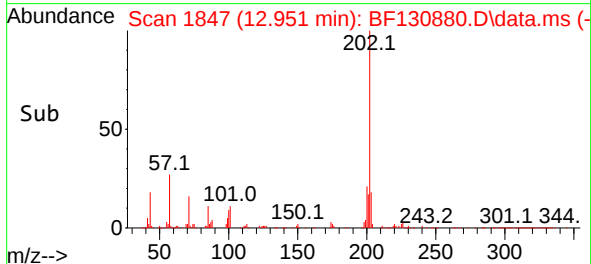
Instrument :
BNA_F
ClientSampleId :
TP3-1024RE



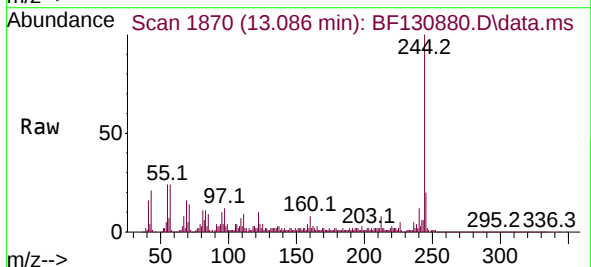
Tgt Ion:202 Resp: 373468
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 20.0 14.5 21.7

Manual Integrations
APPROVED

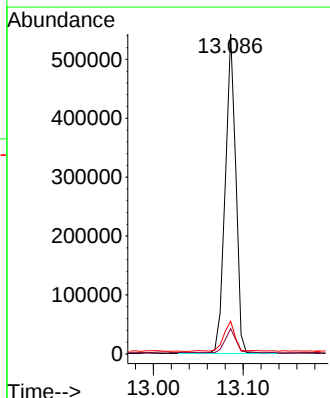
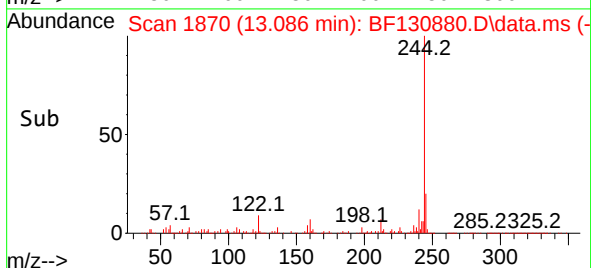
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

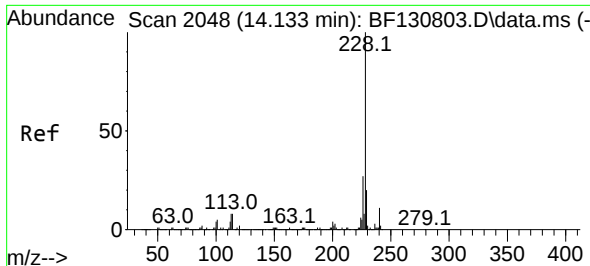


#79
Terphenyl-d14
Concen: 57.176 ng
RT: 13.086 min Scan# 1870
Delta R.T. 0.012 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31



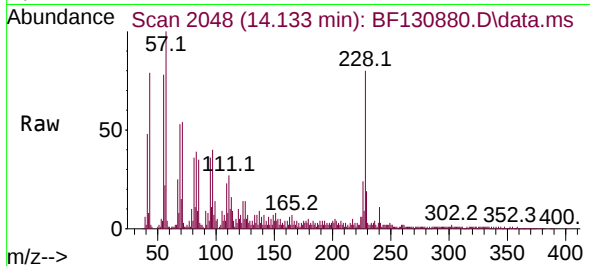
Tgt Ion:244 Resp: 442372
Ion Ratio Lower Upper
244 100
212 7.9 6.2 9.2
122 10.2 7.9 11.9





#81
Benzo(a)anthracene
Concen: 14.634 ng
RT: 14.133 min Scan# 2048
Delta R.T. 0.012 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

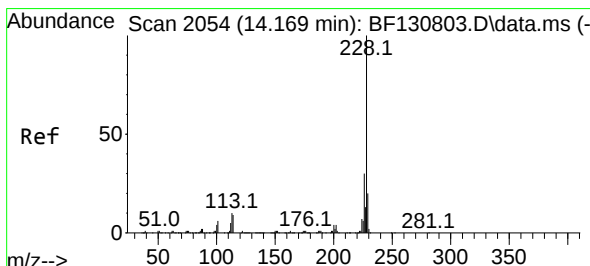
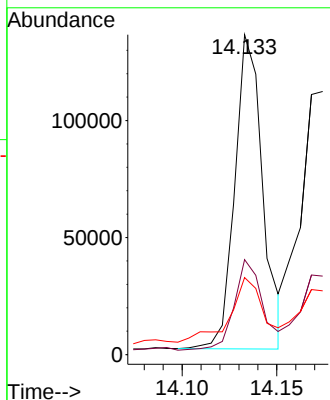
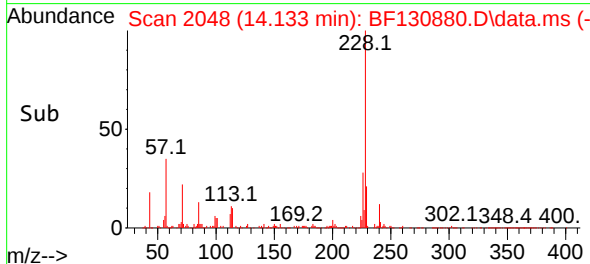
Instrument :
BNA_F
ClientSampleId :
TP3-1024RE



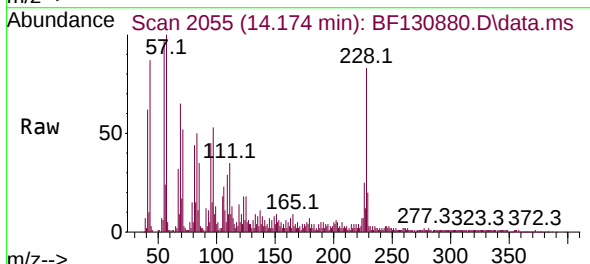
Tgt Ion:228 Resp: 137559
Ion Ratio Lower Upper
228 100
226 29.7 21.4 32.2
229 24.1 15.8 23.6

Manual Integrations
APPROVED

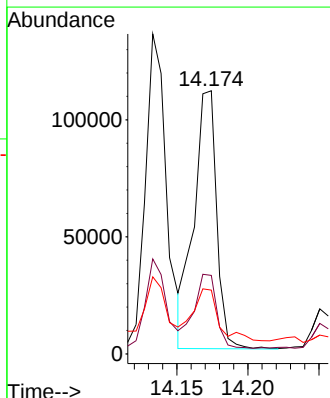
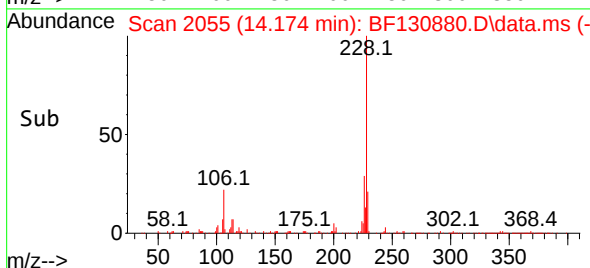
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

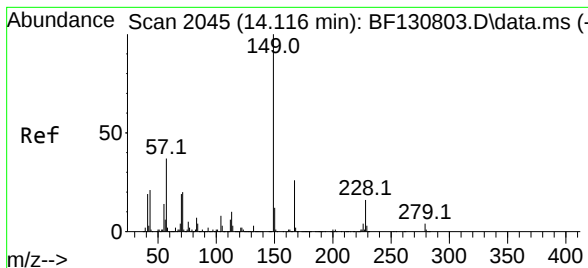


#83
Chrysene
Concen: 13.562 ng
RT: 14.174 min Scan# 2055
Delta R.T. 0.017 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31



Tgt Ion:228 Resp: 122970
Ion Ratio Lower Upper
228 100
226 29.8 23.9 35.9
229 24.2 15.8 23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.920 ng

RT: 14.115 min Scan# 2045

Delta R.T. 0.012 min

Lab File: BF130880.D

Acq: 31 Oct 2022 15:31

Instrument :

BNA_F

ClientSampleId :

TP3-1024RE

Tgt Ion:149 Resp: 30632

Ion Ratio Lower Upper

149 100

167 32.8 21.0 31.4

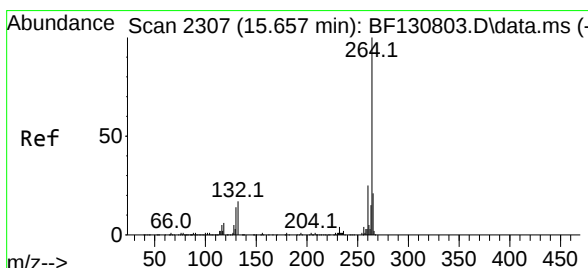
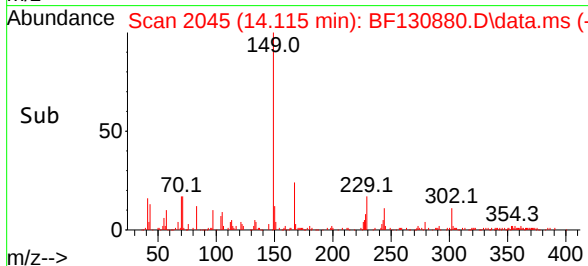
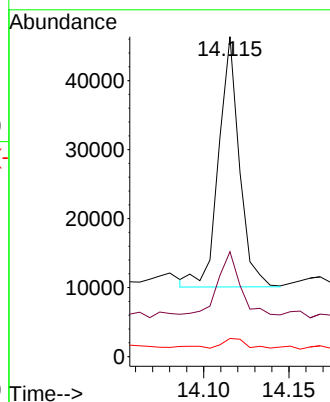
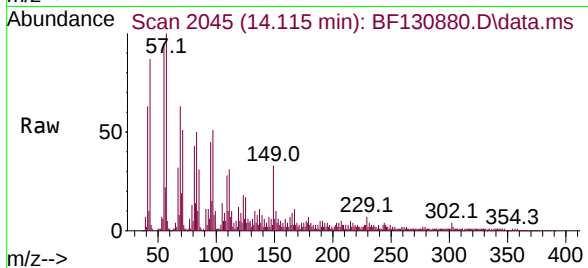
279 5.7 3.0 4.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/01/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.674 min Scan# 2310

Delta R.T. 0.029 min

Lab File: BF130880.D

Acq: 31 Oct 2022 15:31

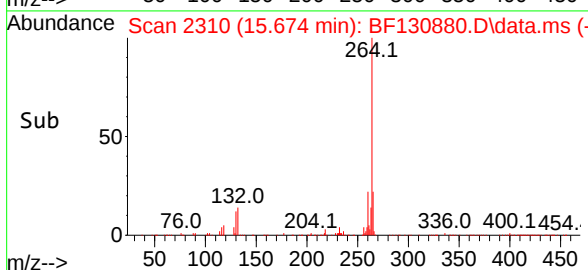
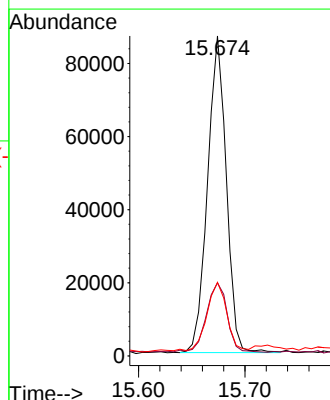
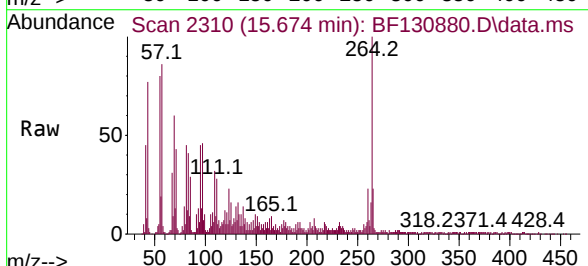
Tgt Ion:264 Resp: 106068

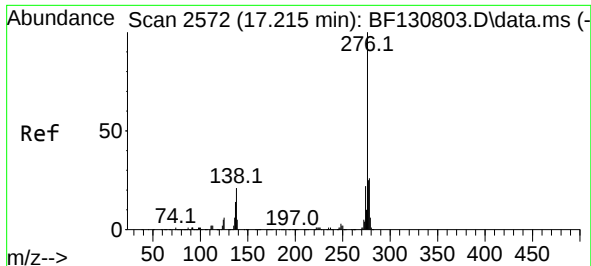
Ion Ratio Lower Upper

264 100

260 22.8 19.9 29.9

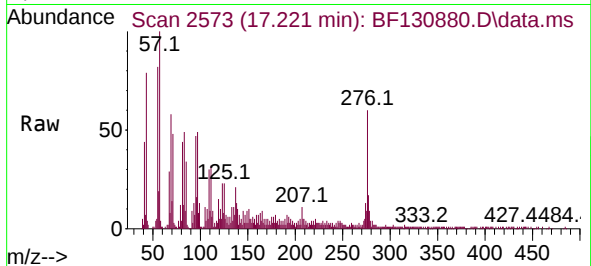
265 23.0 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.805 ng
RT: 17.221 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31

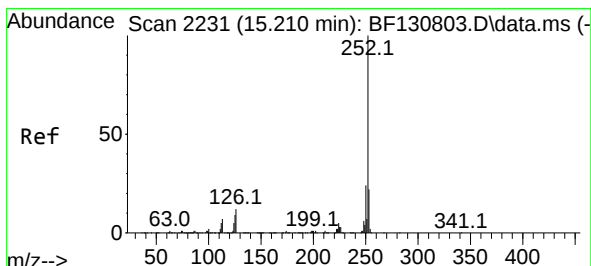
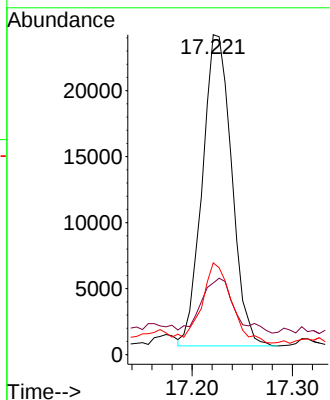
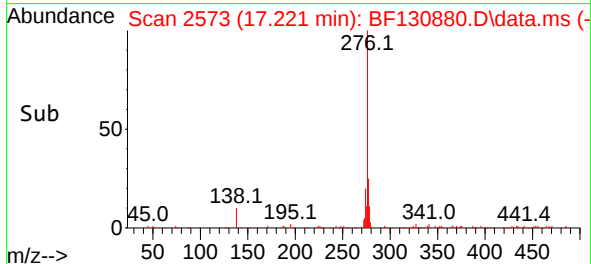
Instrument :
BNA_F
ClientSampleId :
TP3-1024RE



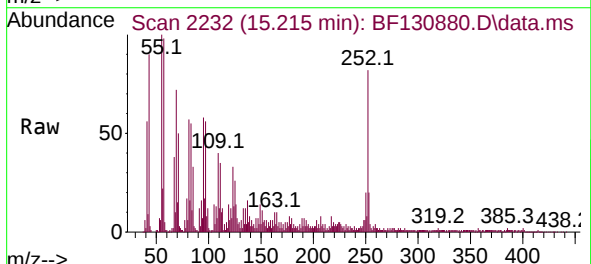
Tgt Ion:276 Resp: 47936
Ion Ratio Lower Upper
276 100
138 19.5 19.1 28.7
277 25.4 20.1 30.1

Manual Integrations
APPROVED

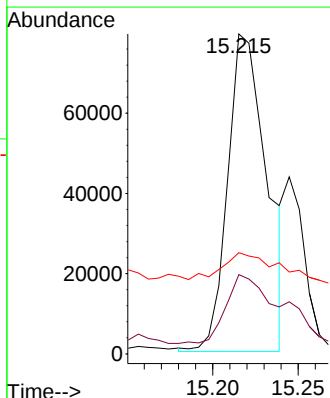
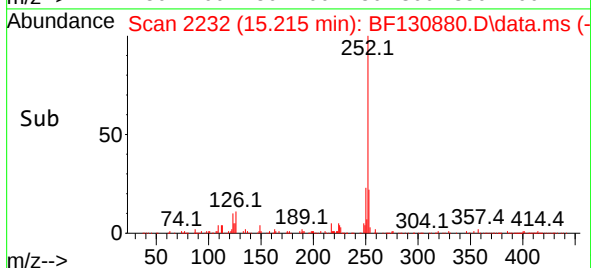
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

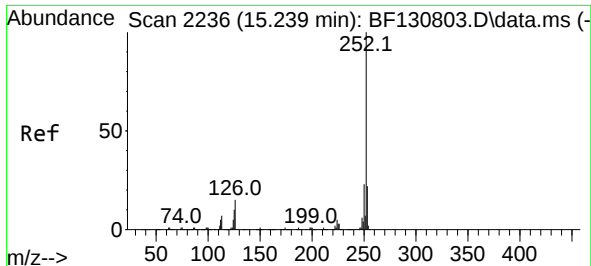


#88
Benzo(b)fluoranthene
Concen: 18.395 ng m
RT: 15.215 min Scan# 2232
Delta R.T. 0.017 min
Lab File: BF130880.D
Acq: 31 Oct 2022 15:31



Tgt Ion:252 Resp: 126124
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 31.6 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 5.335 ng m

RT: 15.245 min Scan# 2236

Delta R.T. 0.017 min

Lab File: BF130880.D

Acq: 31 Oct 2022 15:31

Instrument :

BNA_F

ClientSampleId :

TP3-1024RE

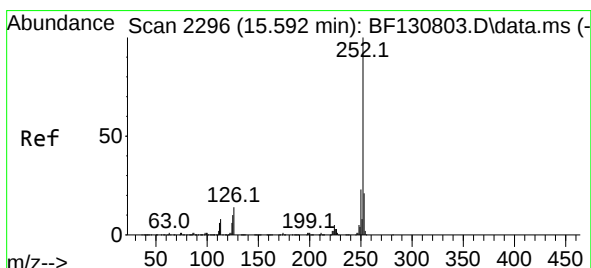
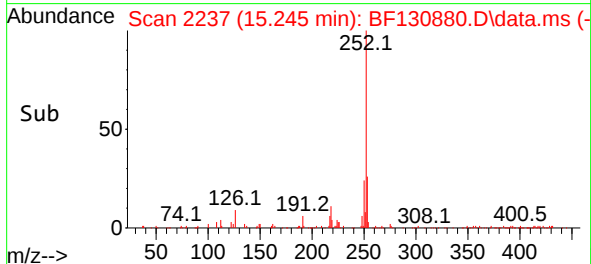
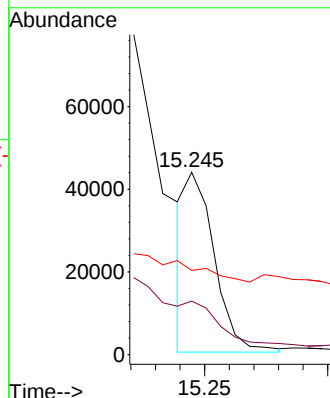
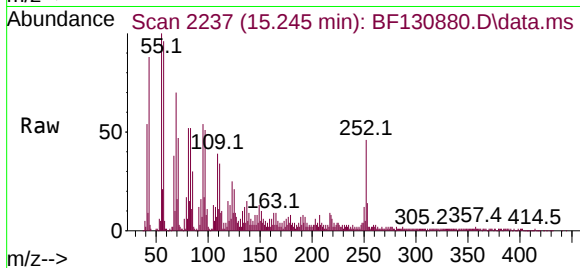
Tgt Ion:	252	Resp:	3564
Ion Ratio	Lower	Upper	
252	100		
253	29.4	17.5	26.3
125	46.2	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/01/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#90

Benzo(a)pyrene

Concen: 15.488 ng

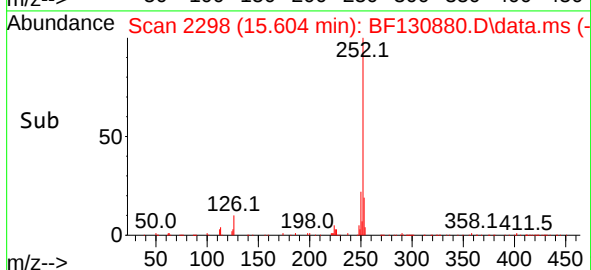
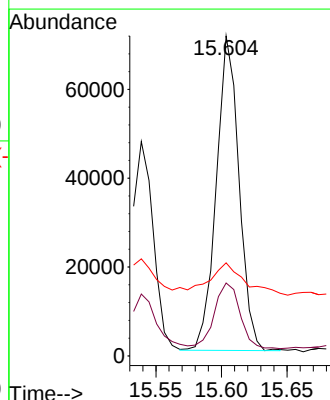
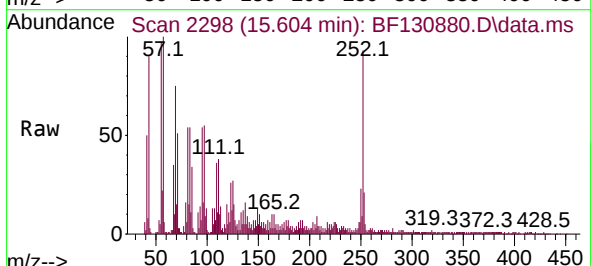
RT: 15.604 min Scan# 2298

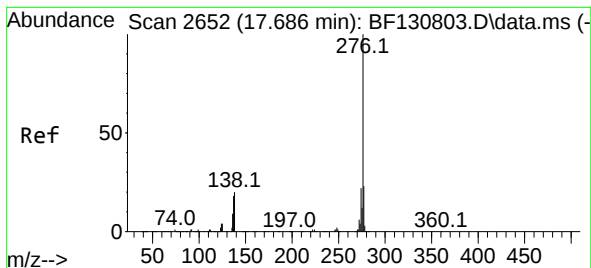
Delta R.T. 0.023 min

Lab File: BF130880.D

Acq: 31 Oct 2022 15:31

Tgt Ion:	252	Resp:	85365
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.8	25.2
125	29.1	8.3	12.5





#92

Benzo(g,h,i)perylene

Concen: 7.970 ng

RT: 17.698 min Scan# 20

Delta R.T. 0.029 min

Lab File: BF130880.D

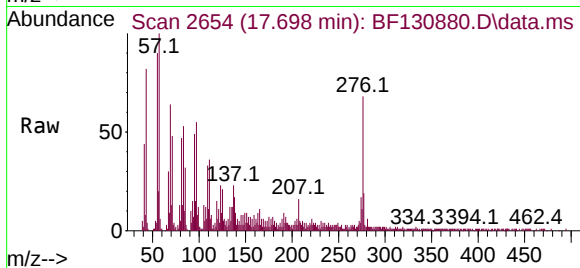
Acq: 31 Oct 2022 15:31

Instrument :

BNA_F

ClientSampleId :

TP3-1024RE



Tgt Ion:276 Resp: 46688

Ion Ratio Lower Upper

276 100

277 28.2 18.8 28.2

138 25.6 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/01/2022

Supervised By :Jagrut Upadhyay 11/01/2022

