

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091922\
 Data File : BF130326.D
 Acq On : 19 Sep 2022 18:08
 Operator : CG\JU
 Sample : N4665-01DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1DL

Quant Time: Sep 20 02:26:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/20/2022
 Supervised By : Jagrut Upadhyay 09/20/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.657	152	100963	20.000	ng	0.00
21) Naphthalene-d8	7.939	136	390312	20.000	ng	0.00
39) Acenaphthene-d10	9.686	164	194471	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	285782	20.000	ng	0.00
76) Chrysene-d12	13.792	240	151989	20.000	ng	-0.01
86) Perylene-d12	15.180	264	205215	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	100935	17.340	ng	-0.01
7) Phenol-d6	6.287	99	124433	17.084	ng	-0.01
23) Nitrobenzene-d5	7.216	82	76540	10.018	ng	-0.02
42) 2,4,6-Tribromophenol	10.469	330	27828	14.934	ng	-0.01
45) 2-Fluorobiphenyl	9.016	172	148960	11.154	ng	0.00
79) Terphenyl-d14	12.751	244	111118	12.110	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.963	128	474188	23.582	ng	99
37) 2-Methylnaphthalene	8.651	142	222968	17.391	ng	99
38) 1-Methylnaphthalene	8.751	142	146038	11.857	ng	99
58) Fluorene	10.233	166	64089	4.868	ng	99
71) Phenanthrene	11.192	178	283416	17.664	ng	99
72) Anthracene	11.239	178	45201	2.919	ng	98
75) Fluoranthene	12.374	202	90735	5.852	ng	97
78) Pyrene	12.598	202	148599	11.176	ng	99
81) Benzo(a)anthracene	13.780	228	61109	6.044	ng	94
83) Chrysene	13.816	228	58762	6.121	ng	98
88) Benzo(b)fluoranthene	14.792	252	42061m	3.140	ng	
90) Benzo(a)pyrene	15.121	252	47848	4.509	ng	96

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

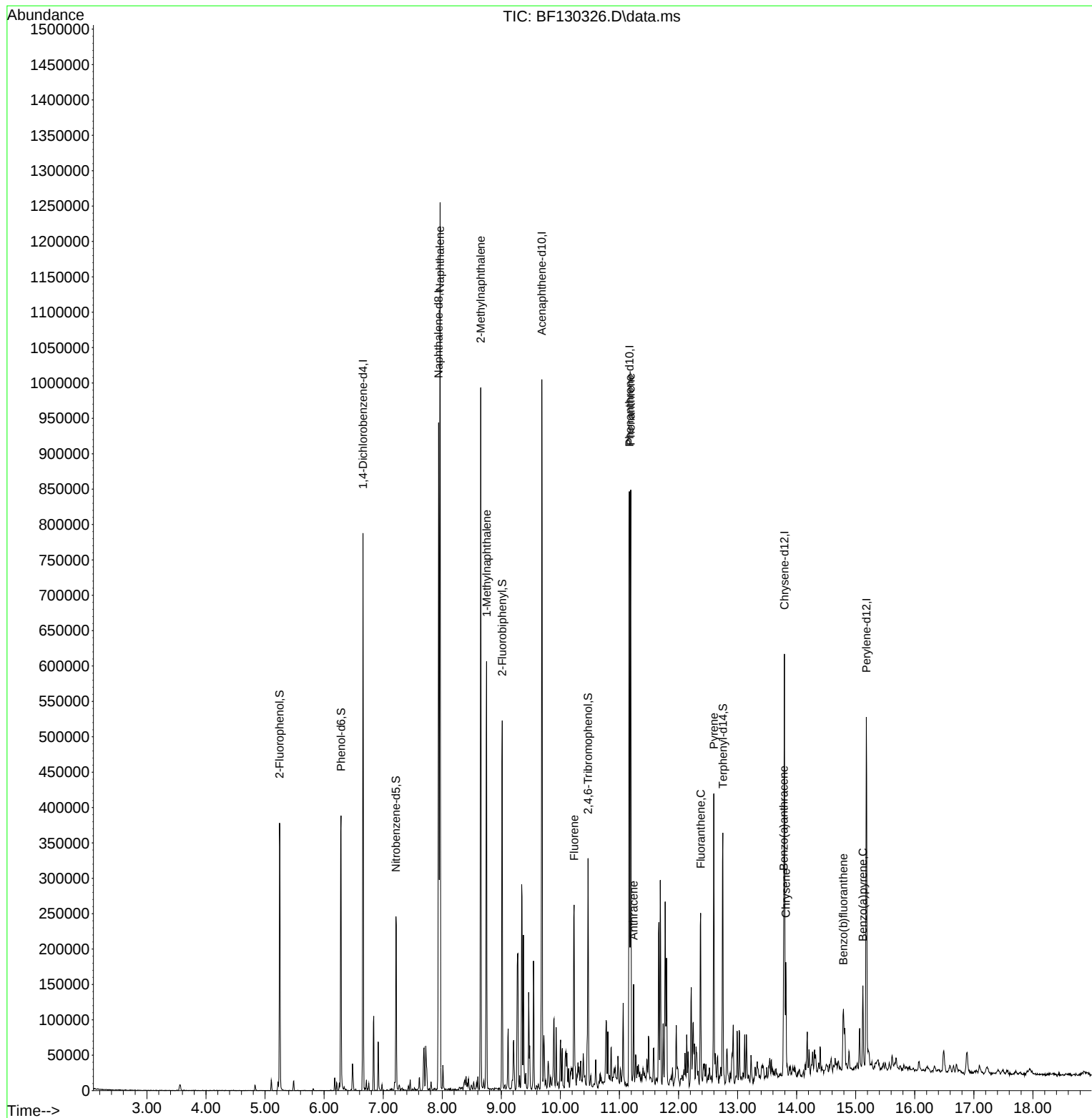
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091922\
Data File : BF130326.D
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Operator : CG\JU
Sample : N4665-01DL 5X
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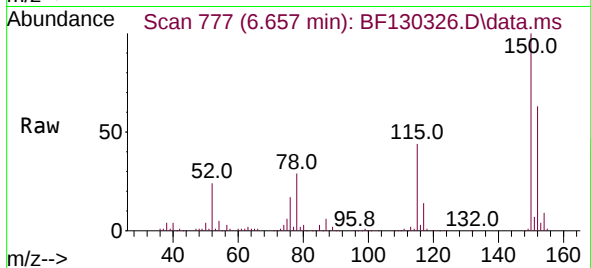
Quant Time: Sep 20 02:26:42 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 19 15:06:14 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

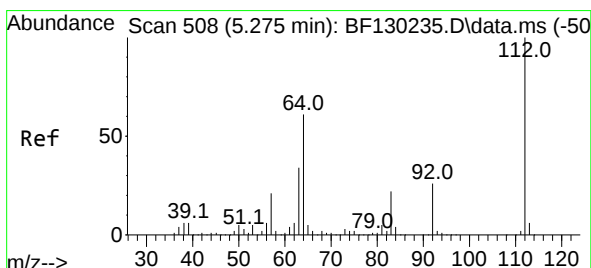
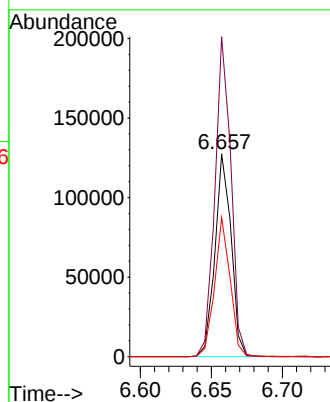
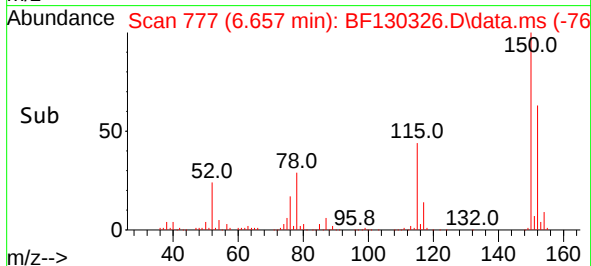
Instrument :
BNA_F
ClientSampleId :
COMP-1DL



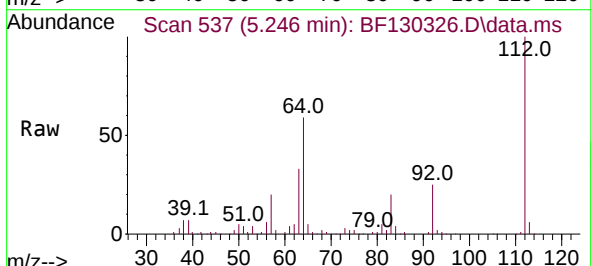
Tgt Ion:152 Resp: 100963
Ion Ratio Lower Upper
152 100
150 157.8 122.8 184.2
115 68.7 53.8 80.8

Manual Integrations
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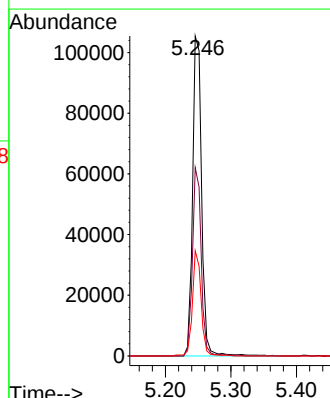
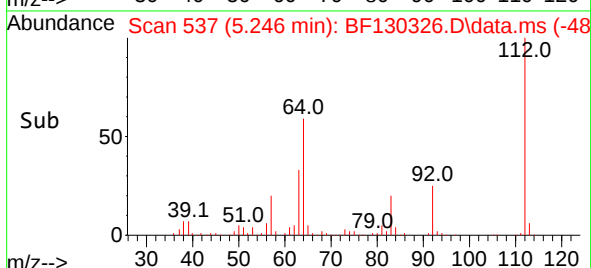
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022

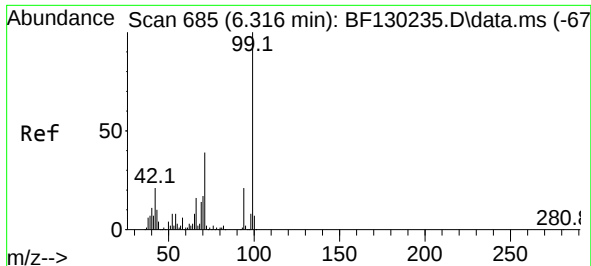


#5
2-Fluorophenol
Concen: 17.340 ng
RT: 5.246 min Scan# 537
Delta R.T. -0.012 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08



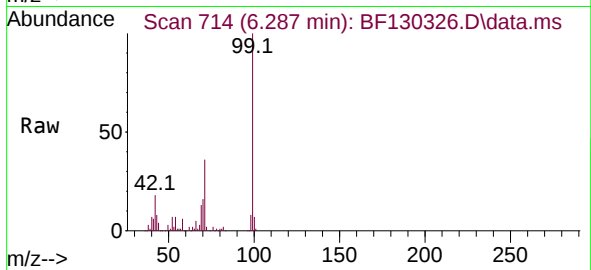
Tgt Ion:112 Resp: 100935
Ion Ratio Lower Upper
112 100
64 58.8 51.4 77.0
63 32.8 28.8 43.2





#7
Phenol-d6
Concen: 17.084 ng
RT: 6.287 min Scan# 714
Delta R.T. -0.012 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

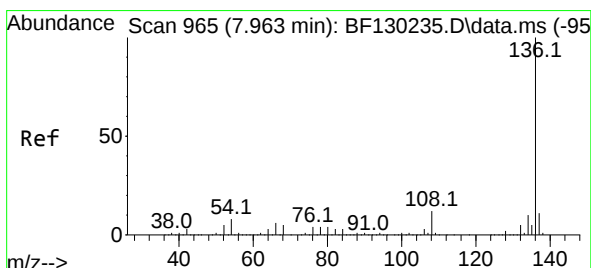
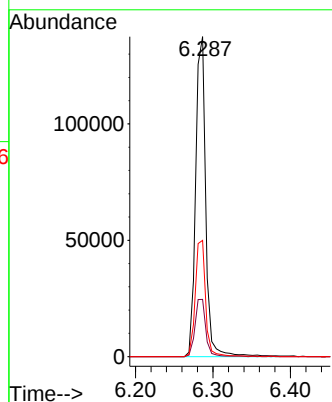
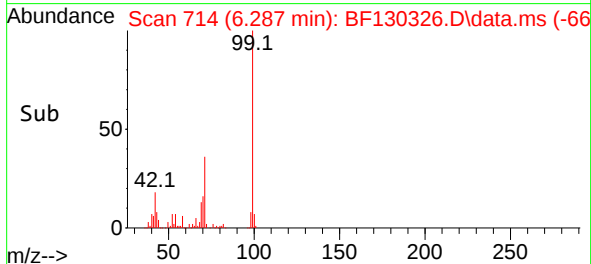
Instrument :
BNA_F
ClientSampleId :
COMP-1DL



Tgt Ion: 99 Resp: 124433
Ion Ratio Lower Upper
99 100
42 17.9 17.0 25.6
71 36.3 32.3 48.5

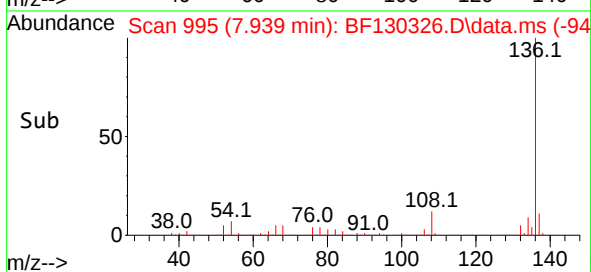
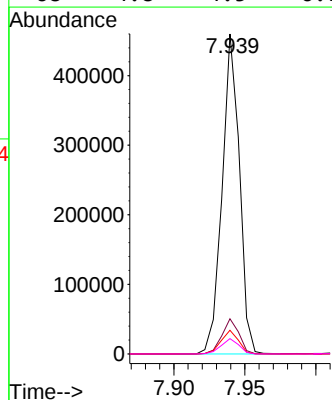
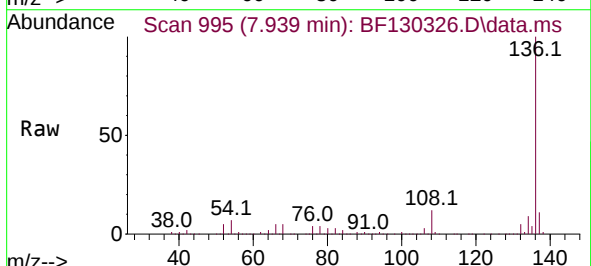
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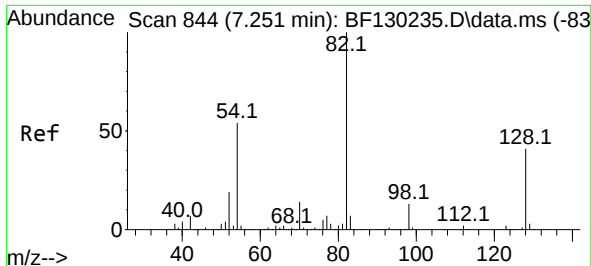
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.939 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Tgt Ion:136 Resp: 390312
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 7.4 7.1 10.7
68 4.8 4.5 6.7





#23
Nitrobenzene-d5
Concen: 10.018 ng
RT: 7.216 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Instrument :

BNA_F

ClientSampleId :

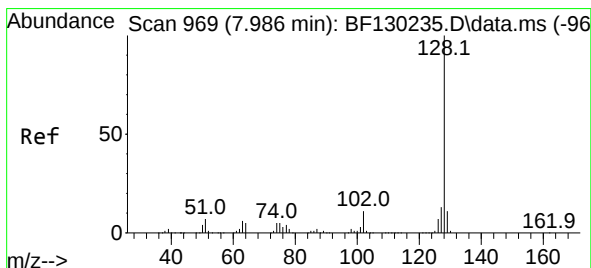
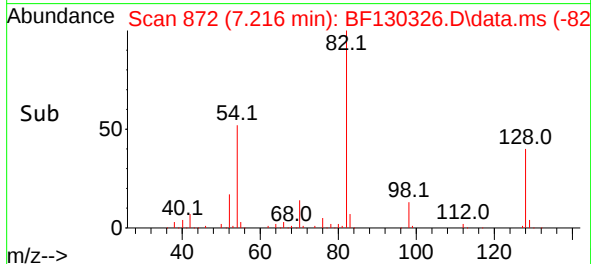
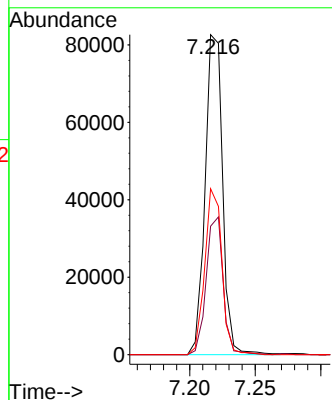
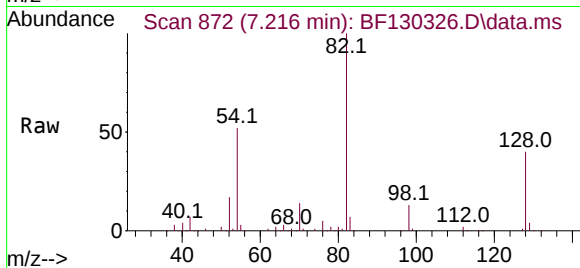
COMP-1DL

Tgt Ion: 82 Resp: 76540
Ion Ratio Lower Upper
82 100
128 40.1 32.6 49.0
54 51.8 43.8 65.6

Manual Integrations

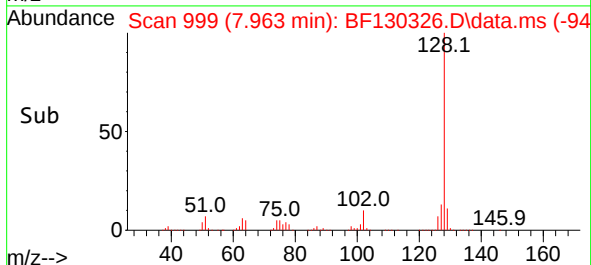
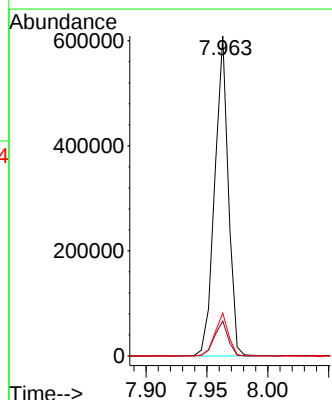
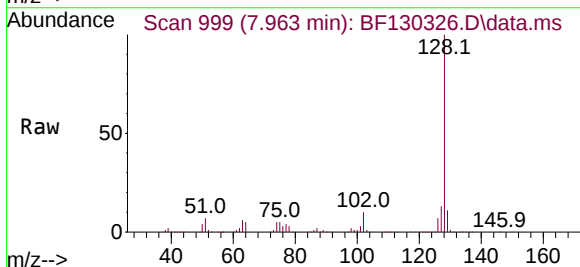
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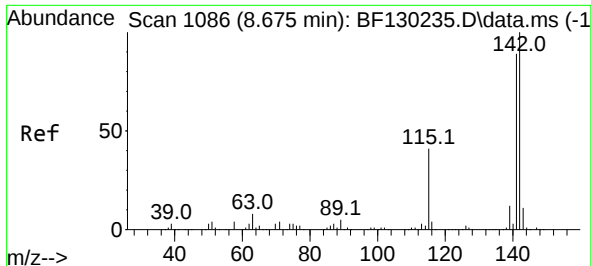
Reviewed By :Christian Giraldo 09/20/2022
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#31
Naphthalene
Concen: 23.582 ng
RT: 7.963 min Scan# 999
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Tgt Ion:128 Resp: 474188
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.4 10.6 16.0





#37

2-Methylnaphthalene

Concen: 17.391 ng

RT: 8.651 min Scan# 1116

Delta R.T. -0.006 min

Lab File: BF130326.D

Acq: 19 Sep 2022 18:08

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

Tgt Ion:142 Resp: 222968

Ion Ratio Lower Upper

142 100

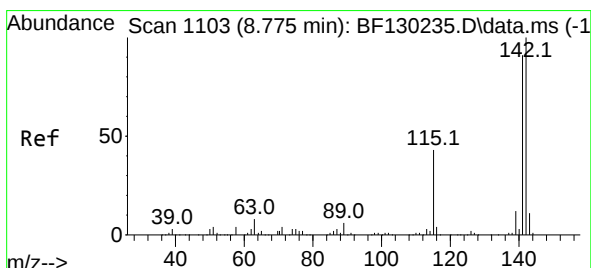
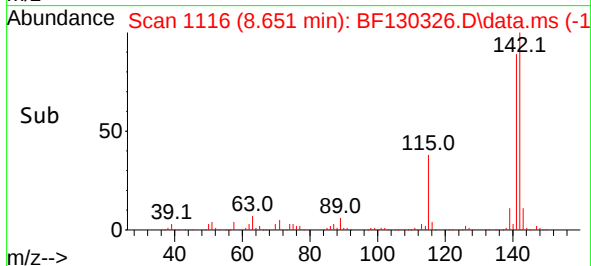
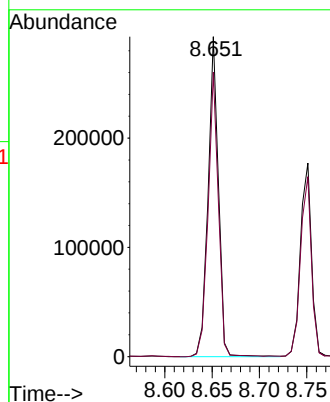
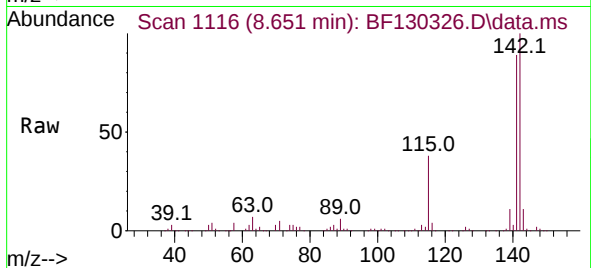
141 88.9 70.0 105.0

Manual Integrations

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Reviewed By :Christian Giraldo 09/20/2022

Supervised By :Jagrut Upadhyay 09/20/2022



#38

1-Methylnaphthalene

Concen: 11.857 ng

RT: 8.751 min Scan# 1133

Delta R.T. -0.006 min

Lab File: BF130326.D

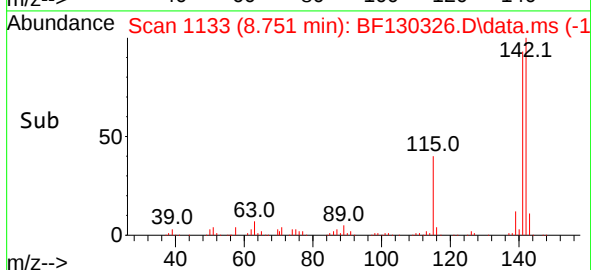
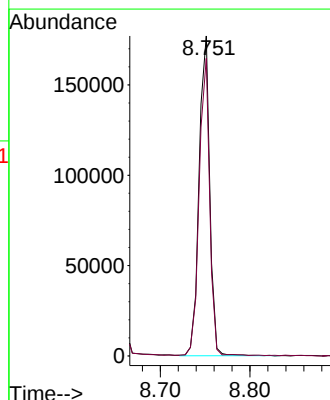
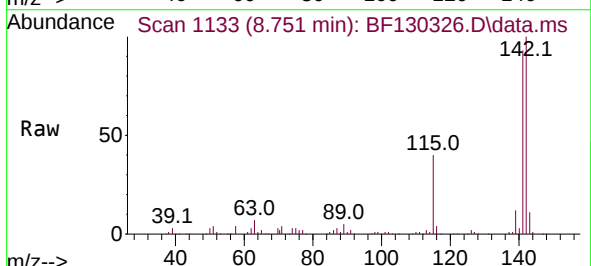
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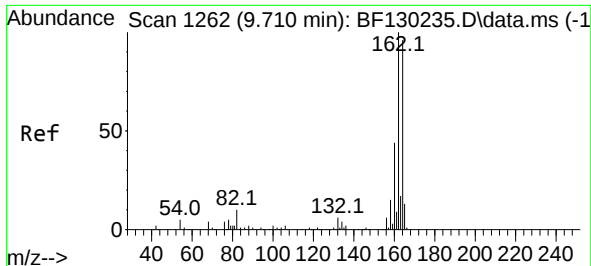
Tgt Ion:142 Resp: 146038

Ion Ratio Lower Upper

142 100

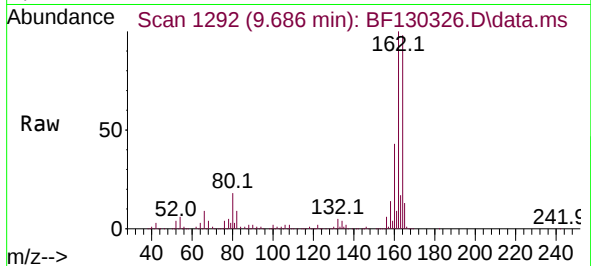
141 93.0 73.8 110.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

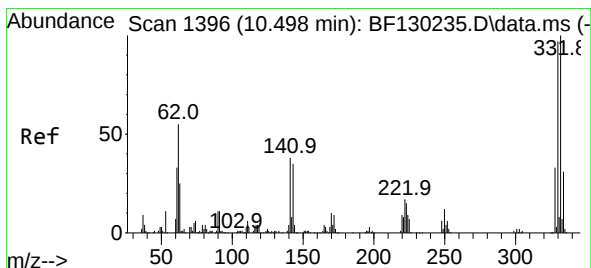
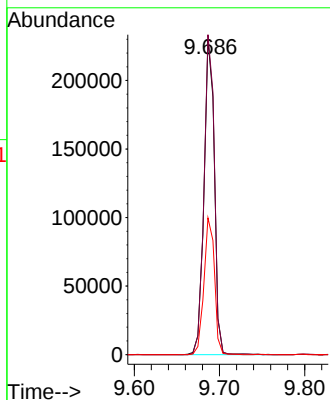
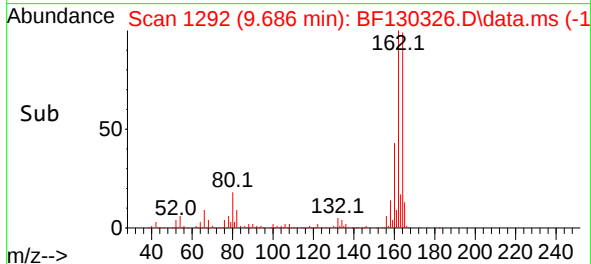
Instrument :
BNA_F
ClientSampleId :
COMP-1DL



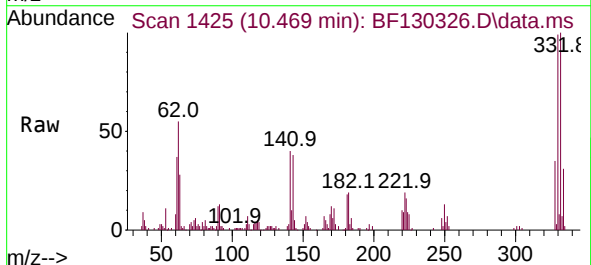
Tgt Ion:164 Resp: 19447
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 43.4 36.2 54.4

Manual Integrations
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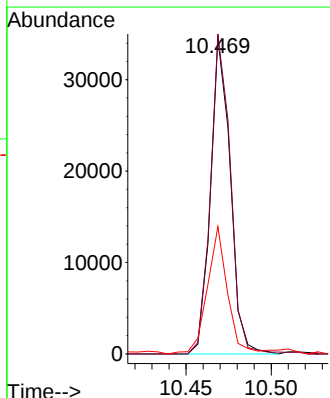
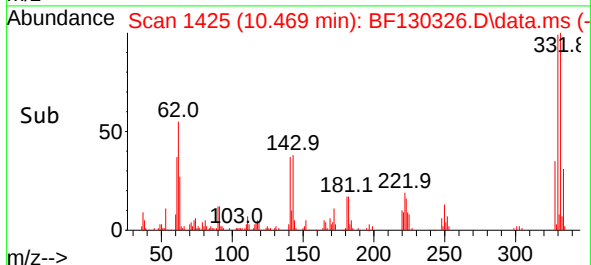
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022

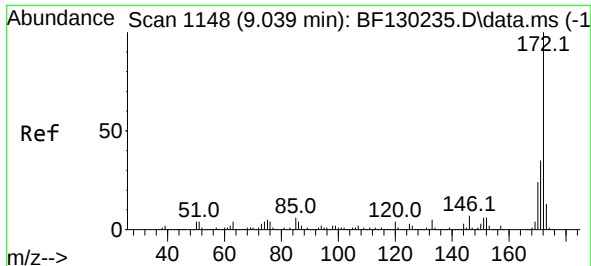


#42
2,4,6-Tribromophenol
Concen: 14.934 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08



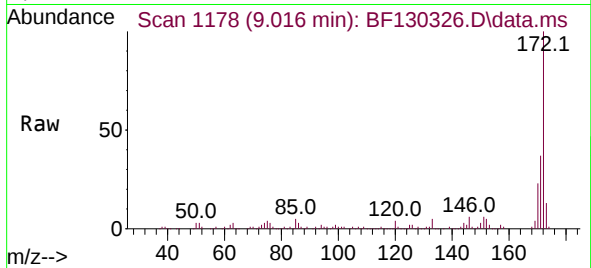
Tgt Ion:330 Resp: 27828
Ion Ratio Lower Upper
330 100
332 102.8 83.4 125.2
141 41.3 34.0 51.0





#45
2-Fluorobiphenyl
Concen: 11.154 ng
RT: 9.016 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

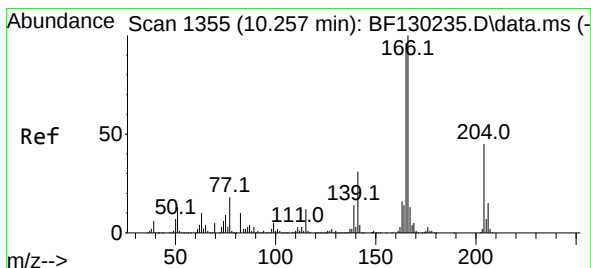
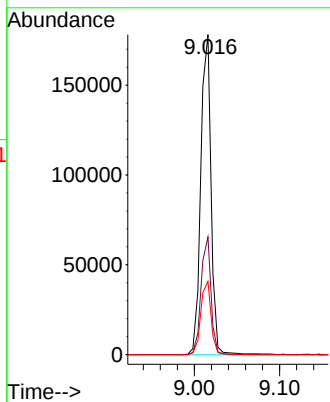
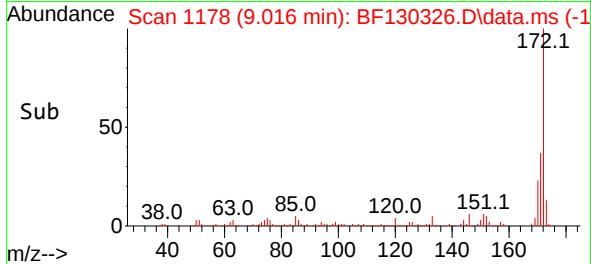
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:172 Resp: 148960
Ion Ratio Lower Upper
172 100
171 36.8 28.3 42.5
170 22.9 18.7 28.1

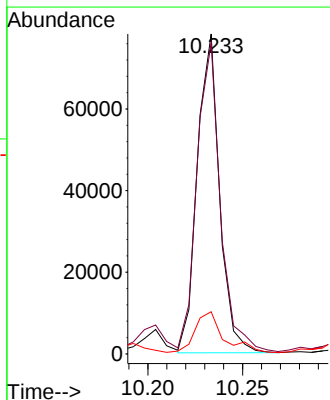
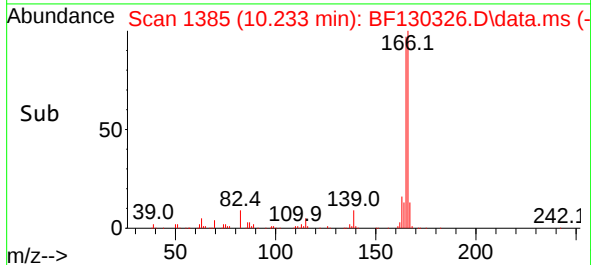
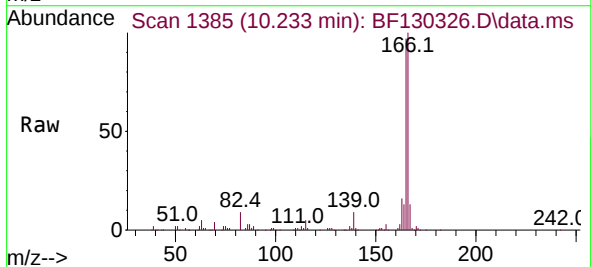
Manual Integrations
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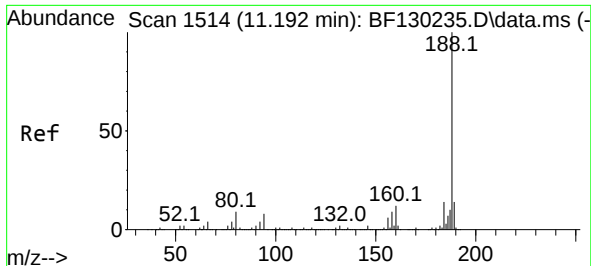
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#58
Fluorene
Concen: 4.868 ng
RT: 10.233 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

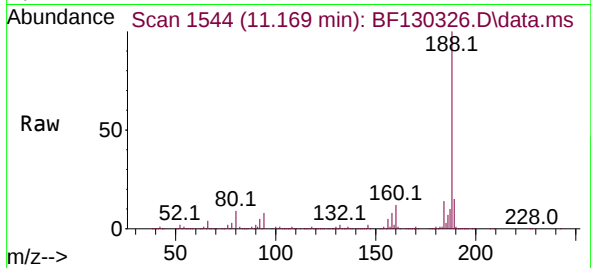
Tgt Ion:166 Resp: 64089
Ion Ratio Lower Upper
166 100
165 97.2 78.8 118.2
167 13.2 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

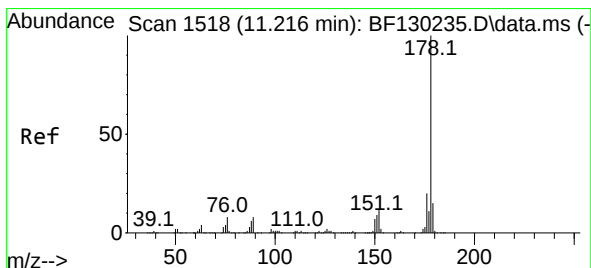
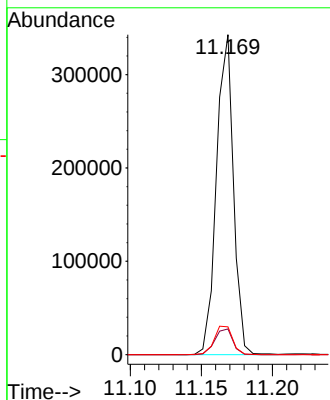
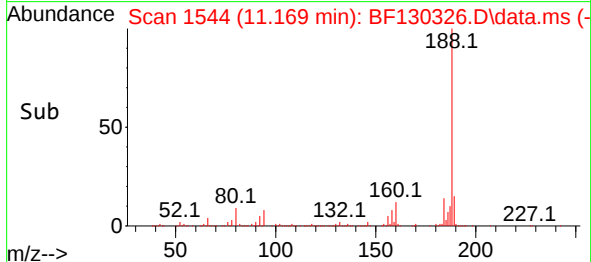
Instrument :
BNA_F
ClientSampleId :
COMP-1DL



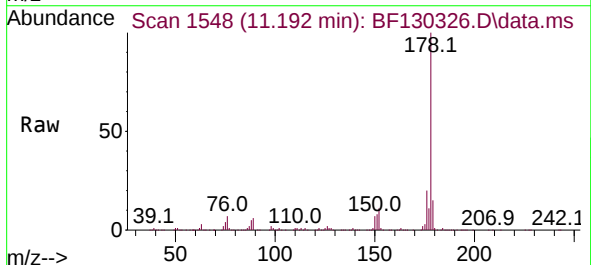
Tgt Ion:188 Resp: 285782
Ion Ratio Lower Upper
188 100
94 8.0 7.4 11.2
80 8.7 7.9 11.9

Manual Integrations
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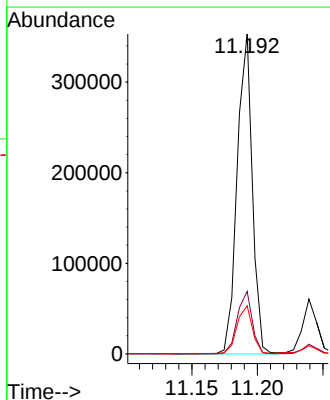
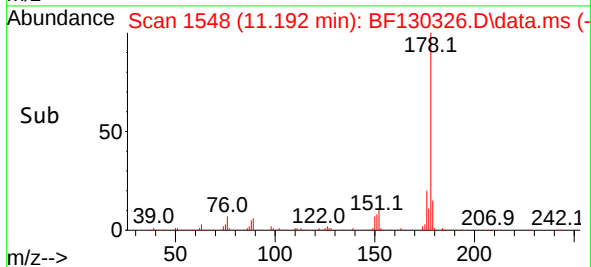
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022

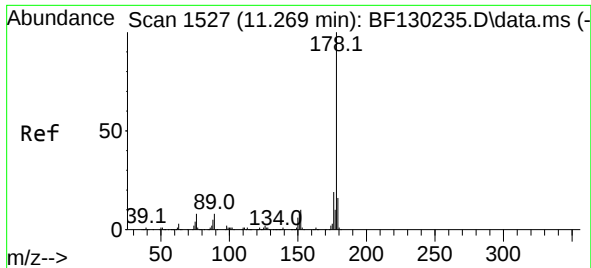


#71
Phenanthrene
Concen: 17.664 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08



Tgt Ion:178 Resp: 283416
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.0 12.4 18.6





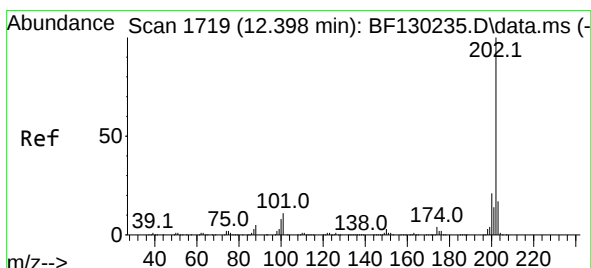
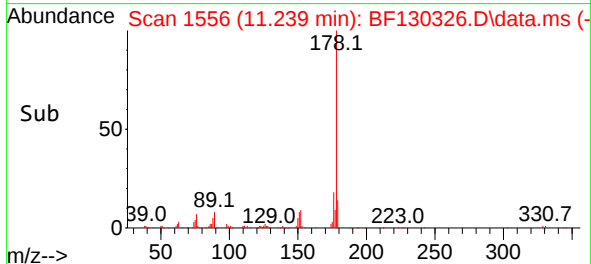
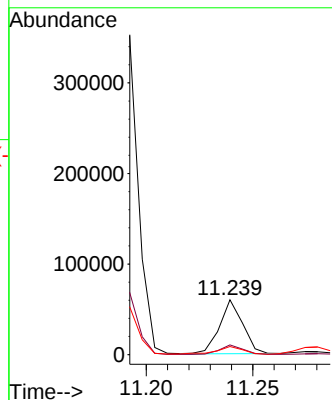
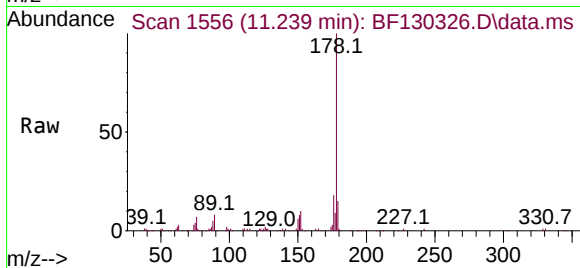
#72
 Anthracene
 Concen: 2.919 ng
 RT: 11.239 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF130326.D
 Acq: 19 Sep 2022 18:08

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1DL

Tgt Ion:178 Resp: 45201
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.0 22.6
 179 14.9 12.7 19.1

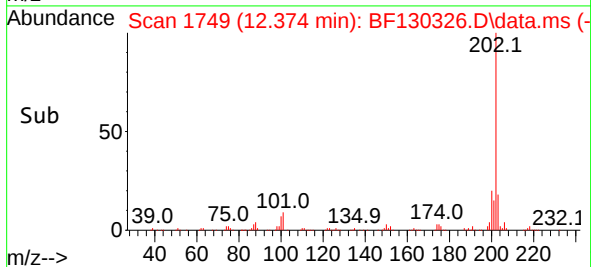
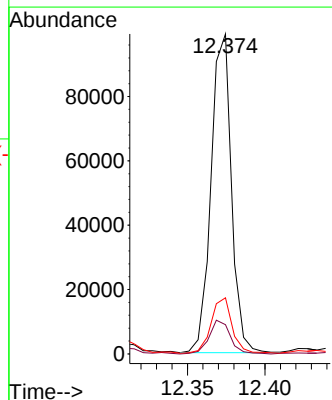
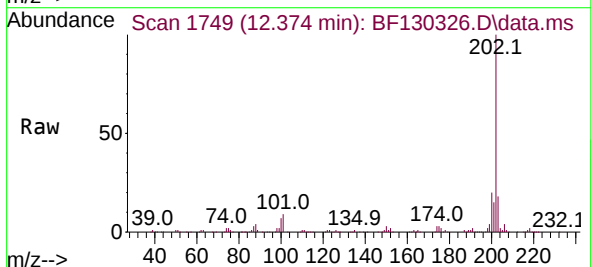
Manual Integrations
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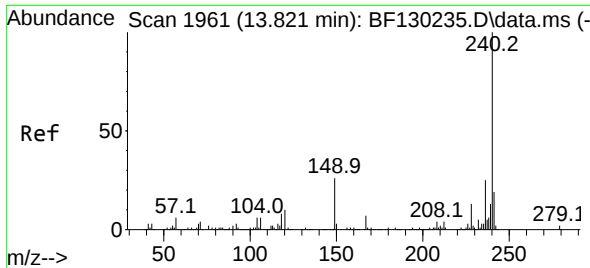
Reviewed By :Christian Giraldo 09/20/2022
 Supervised By :Jagrut Upadhyay 09/20/2022



#75
 Fluoranthene
 Concen: 5.852 ng
 RT: 12.374 min Scan# 1749
 Delta R.T. -0.006 min
 Lab File: BF130326.D
 Acq: 19 Sep 2022 18:08

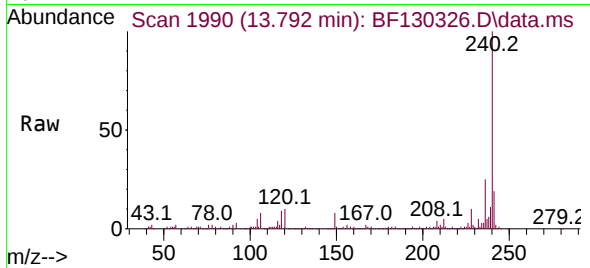
Tgt Ion:202 Resp: 90735
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 31.8
 203 17.5 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.792 min Scan# 1961
Delta R.T. -0.012 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

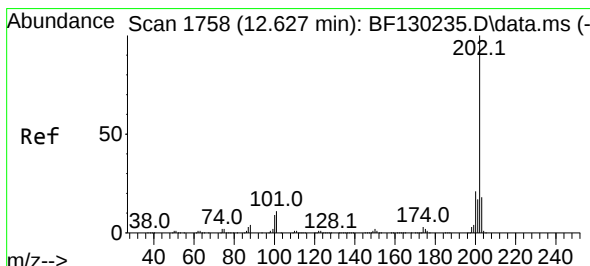
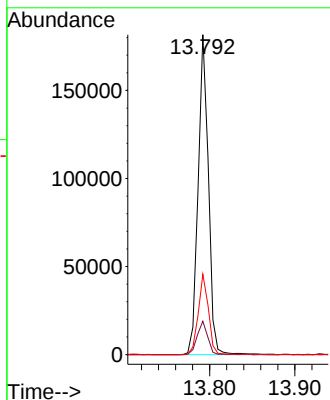
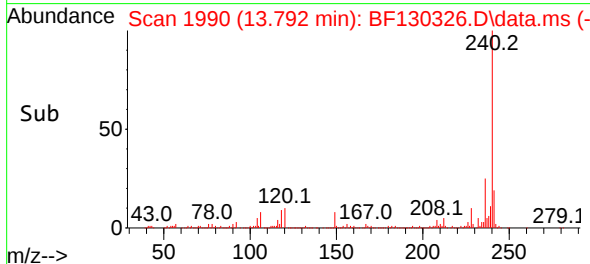
Instrument :
BNA_F
ClientSampleId :
COMP-1DL



Tgt Ion:240 Resp: 151989
Ion Ratio Lower Upper
240 100
120 10.4 8.7 13.1
236 25.1 20.9 31.3

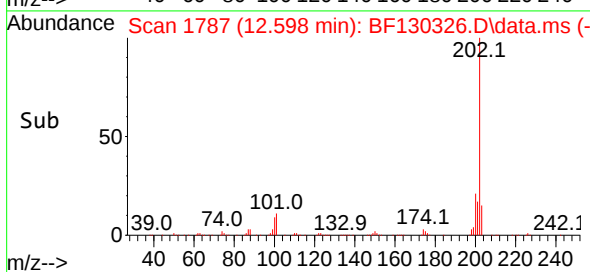
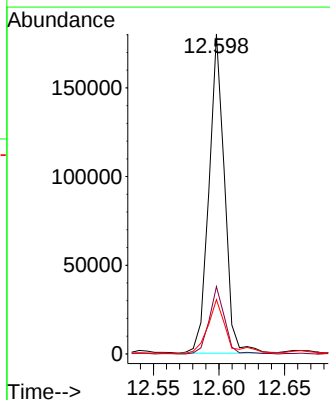
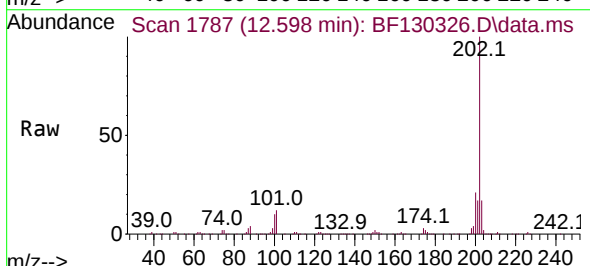
Manual Integrations
APPROVED

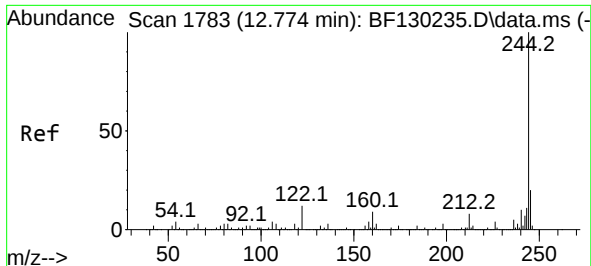
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#78
Pyrene
Concen: 11.176 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Tgt Ion:202 Resp: 148599
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.0 14.3 21.5





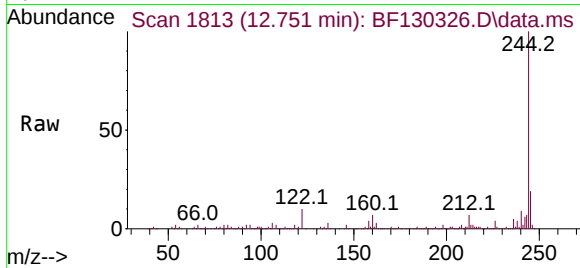
#79
 Terphenyl-d14
 Concen: 12.110 ng
 RT: 12.751 min Scan# 1811
 Delta R.T. -0.006 min
 Lab File: BF130326.D
 Acq: 19 Sep 2022 18:08

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

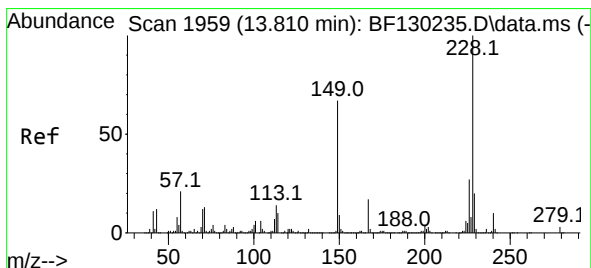
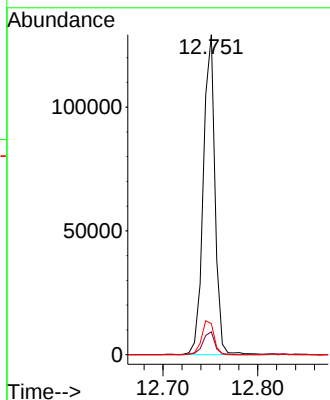
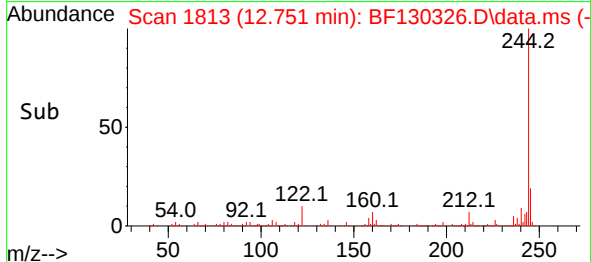


Tgt Ion:244 Resp: 111118
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 9.7 8.5 12.7

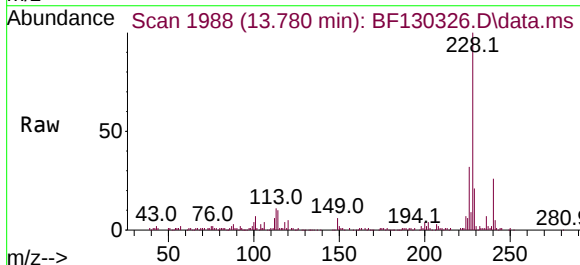
Manual Integrations

APPROVED

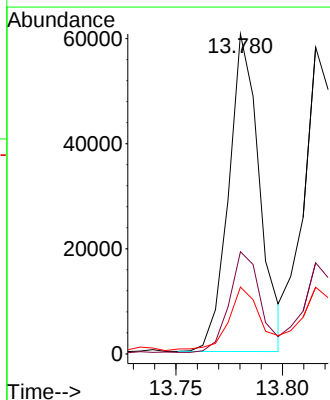
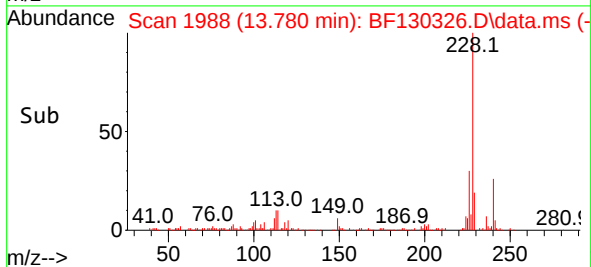
Reviewed By :Christian Giraldo 09/20/2022
 Supervised By :Jagrut Upadhyay 09/20/2022

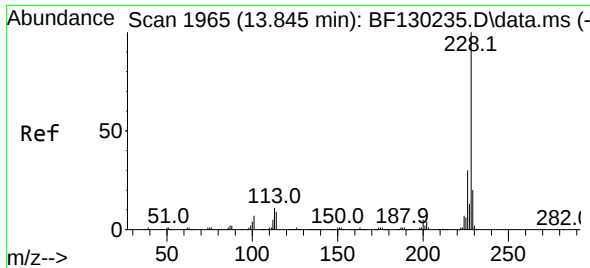


#81
 Benzo(a)anthracene
 Concen: 6.044 ng
 RT: 13.780 min Scan# 1988
 Delta R.T. -0.012 min
 Lab File: BF130326.D
 Acq: 19 Sep 2022 18:08



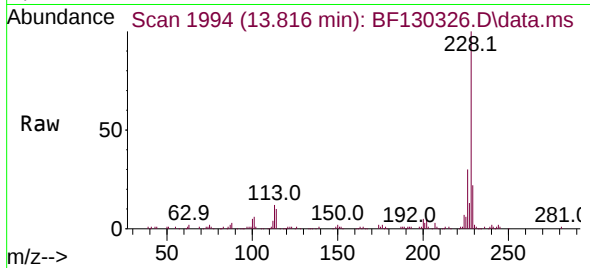
Tgt Ion:228 Resp: 61109
 Ion Ratio Lower Upper
 228 100
 226 31.9 21.9 32.9
 229 20.9 16.1 24.1





#83
Chrysene
Concen: 6.121 ng
RT: 13.816 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

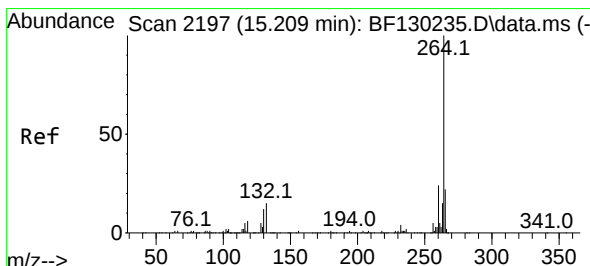
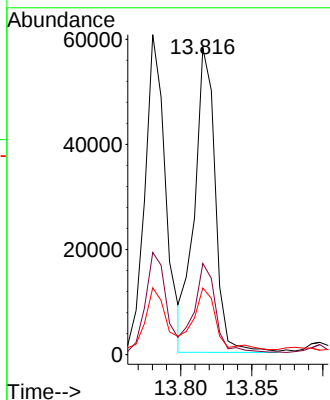
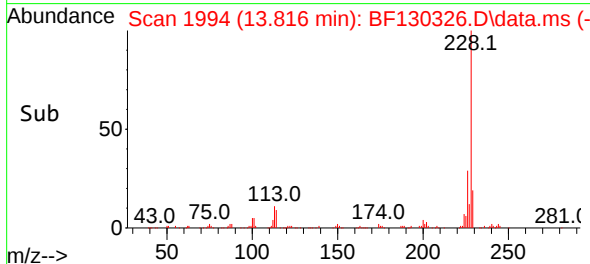
Instrument :
BNA_F
ClientSampleId :
COMP-1DL



Tgt Ion:228 Resp: 58762
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.8
229 21.7 15.3 22.9

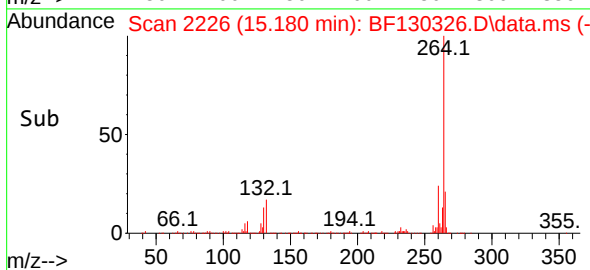
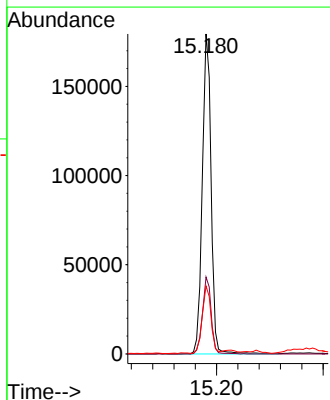
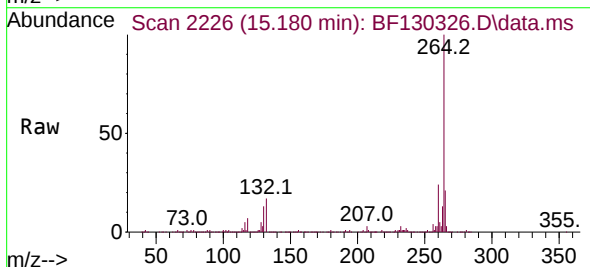
Manual Integrations
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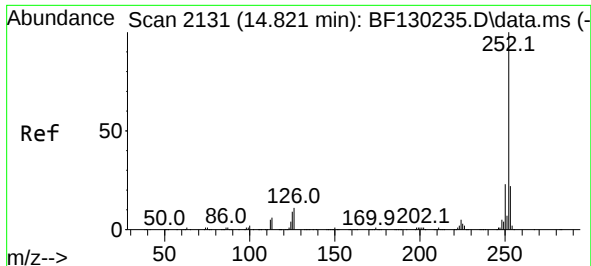
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.180 min Scan# 2226
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Tgt Ion:264 Resp: 205215
Ion Ratio Lower Upper
264 100
260 24.0 19.3 28.9
265 21.2 17.0 25.4





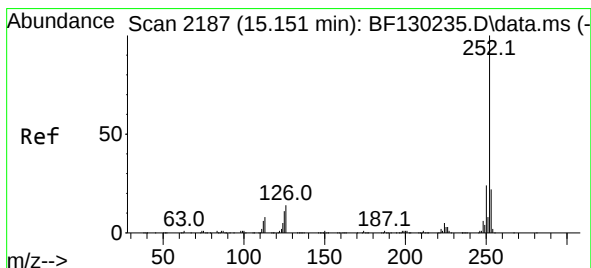
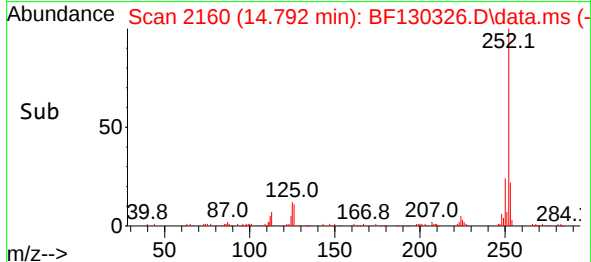
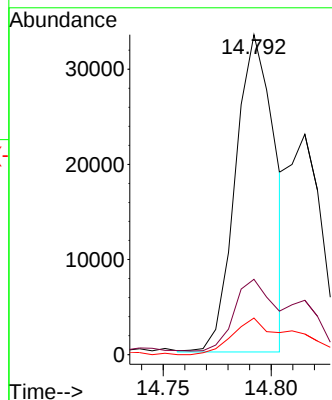
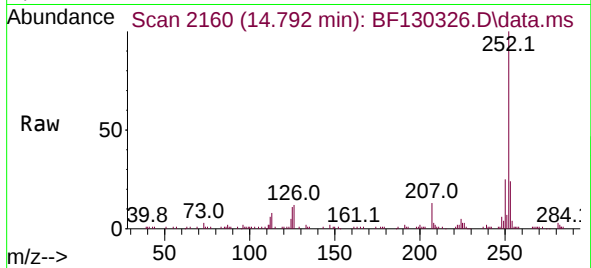
#88
Benzo(b)fluoranthene
Concen: 3.140 ng m
RT: 14.792 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Instrument :
BNA_F
ClientSampleId :
COMP-1DL

Tgt Ion:252 Resp: 42061
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 11.4 8.1 12.1

Manual Integrations
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Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/20/2022



#90
Benzo(a)pyrene
Concen: 4.509 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.012 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Tgt Ion:252 Resp: 47848
Ion Ratio Lower Upper
252 100
253 20.6 17.8 26.6
125 9.5 9.0 13.6

