

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092322\
 Data File : BF130397.D
 Acq On : 23 Sep 2022 18:42
 Operator : CG\JU
 Sample : N4782-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-1-(0-6)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/26/2022
 Supervised By : Jagrut Upadhyay 09/26/2022

Quant Time: Sep 24 03:18:51 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.651	152	69766	20.000	ng	-0.01
21) Naphthalene-d8	7.934	136	234677	20.000	ng	#-0.01
39) Acenaphthene-d10	9.686	164	108228	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	183560	20.000	ng	0.00
76) Chrysene-d12	13.804	240	192638	20.000	ng	0.00
86) Perylene-d12	15.204	264	173563	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.251	112	377280	93.796	ng	0.00
7) Phenol-d6	6.292	99	431506	85.737	ng	0.00
23) Nitrobenzene-d5	7.216	82	275591	59.995	ng	-0.02
42) 2,4,6-Tribromophenol	10.475	330	111447	107.467	ng	0.00
45) 2-Fluorobiphenyl	9.010	172	489805	65.902	ng	-0.01
79) Terphenyl-d14	12.757	244	563935	48.493	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.545	152	91994	9.384	ng	99
58) Fluorene	10.227	166	21095	2.879	ng	99
71) Phenanthrene	11.192	178	338885	32.883	ng	99
72) Anthracene	11.239	178	92536	9.304	ng	99
73) Carbazole	11.404	167	41293	4.601	ng	99
75) Fluoranthene	12.380	202	793157	79.646	ng	98
78) Pyrene	12.610	202	717332	42.566	ng	100
81) Benzo(a)anthracene	13.798	228	443207	34.584	ng	94
83) Chrysene	13.833	228	422114	34.690	ng	97
84) Bis(2-ethylhexyl)phtha...	13.798	149	152145	21.276	ng	99
87) Indeno(1,2,3-cd)pyrene	16.533	276	235307m	19.118	ng	
88) Benzo(b)fluoranthene	14.815	252	612012m	54.025	ng	
89) Benzo(k)fluoranthene	14.833	252	218318m	19.591	ng	
90) Benzo(a)pyrene	15.145	252	392906	43.779	ng	96
91) Dibenzo(a,h)anthracene	16.539	278	56496m	5.595	ng	
92) Benzo(g,h,i)perylene	16.933	276	221046	21.733	ng	99

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

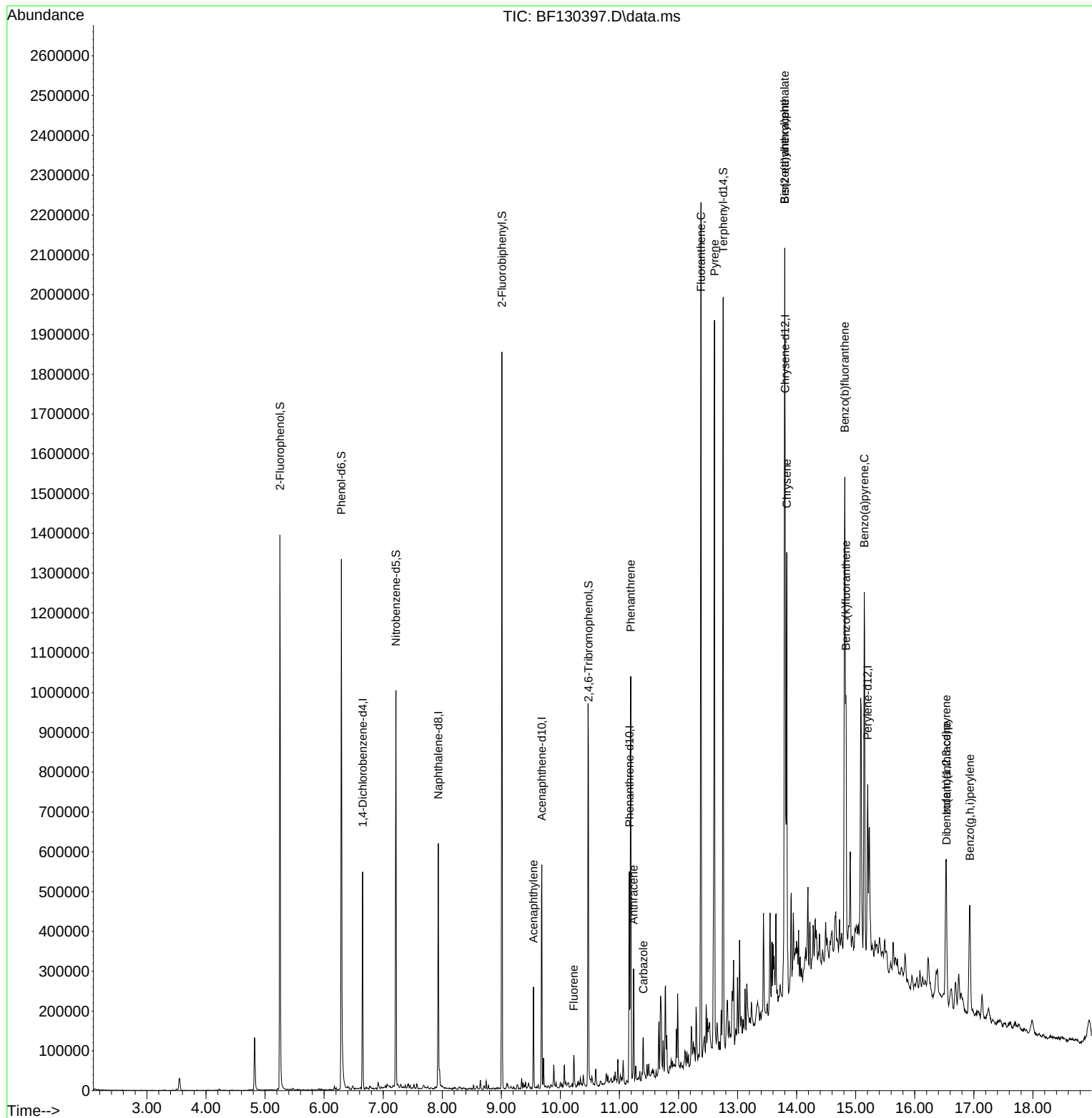
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092322\
Data File : BF130397.D
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ALS Vial : 13 Sample Multiplier: 1

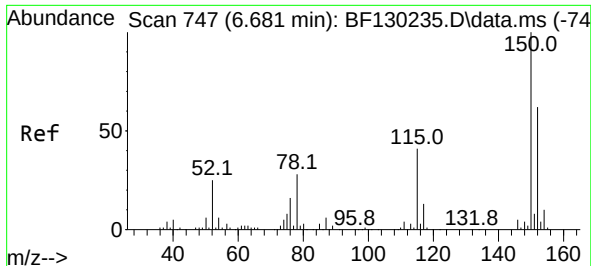
Instrument :
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Quant Time: Sep 24 03:18:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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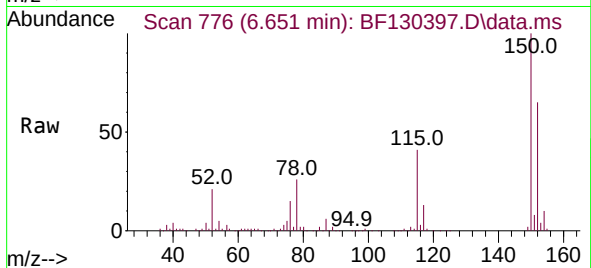
Reviewed By : Christian Giraldo 09/26/2022
Supervised By : Jagrut Upadhyay 09/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

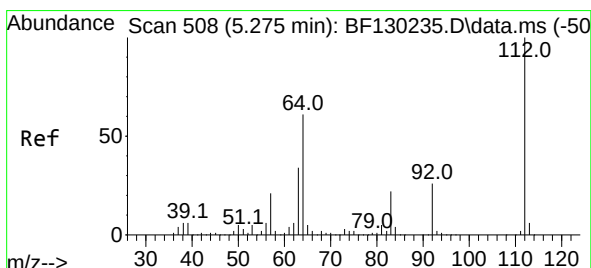
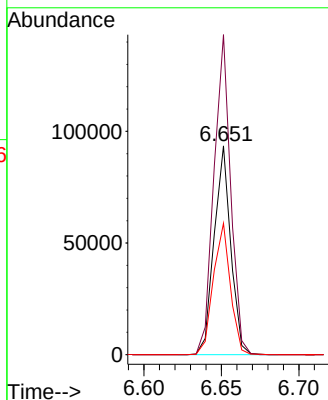
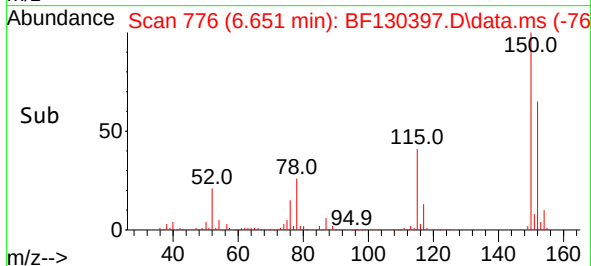
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)



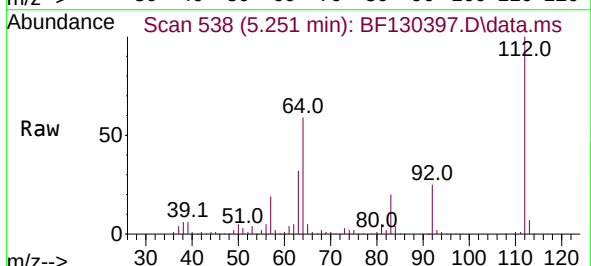
Tgt Ion:152 Resp: 69766
Ion Ratio Lower Upper
152 100
150 153.3 122.8 184.2
115 62.9 53.8 80.8

Manual Integrations
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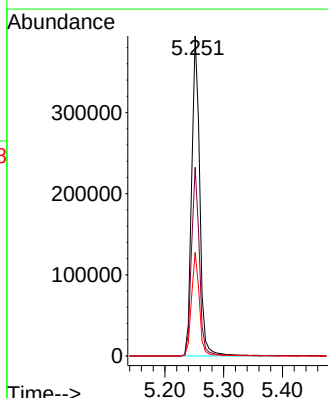
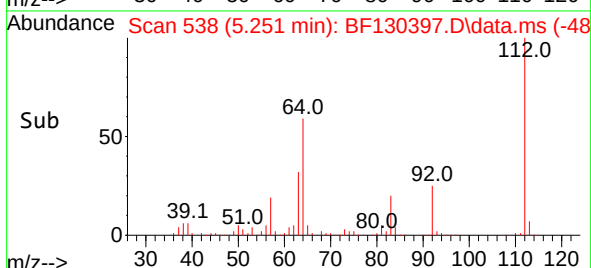
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022

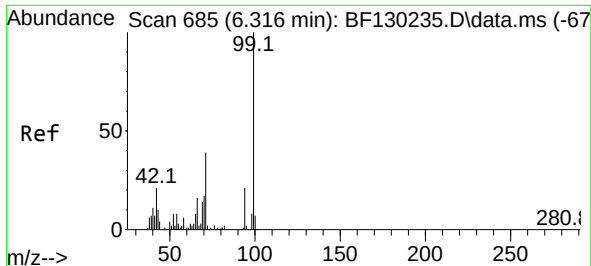


#5
2-Fluorophenol
Concen: 93.796 ng
RT: 5.251 min Scan# 538
Delta R.T. -0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42



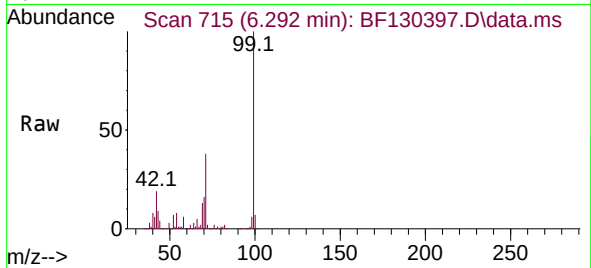
Tgt Ion:112 Resp: 377280
Ion Ratio Lower Upper
112 100
64 58.9 51.4 77.0
63 32.4 28.8 43.2





#7
Phenol-d6
Concen: 85.737 ng
RT: 6.292 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

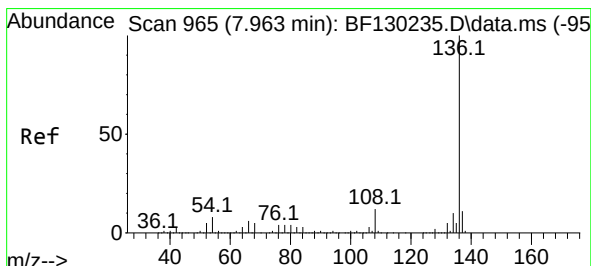
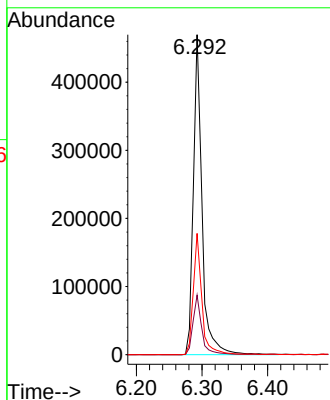
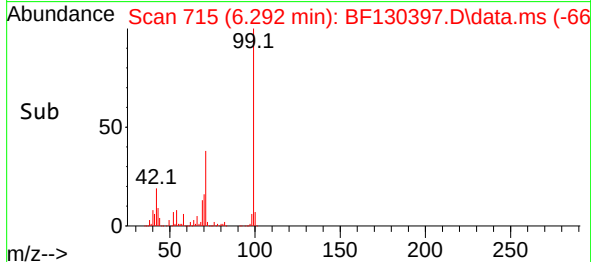
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 431506
Ion Ratio Lower Upper
99 100
42 18.6 17.0 25.6
71 37.9 32.3 48.5

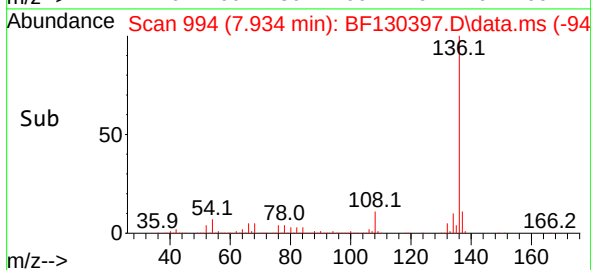
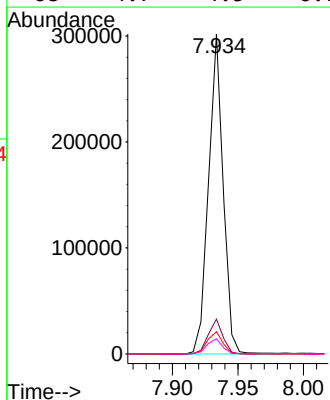
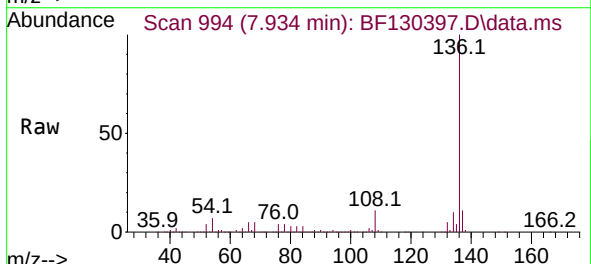
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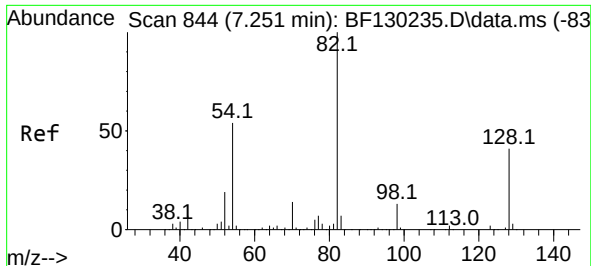
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.934 min Scan# 994
Delta R.T. -0.012 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Tgt Ion:136 Resp: 234677
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.9 7.1 10.7#
68 4.7 4.5 6.7





#23

Nitrobenzene-d5

Concen: 59.995 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF130397.D

Acq: 23 Sep 2022 18:42

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)

Tgt Ion: 82 Resp: 27559

Ion Ratio Lower Upper

82 100

128 43.8 32.6 49.0

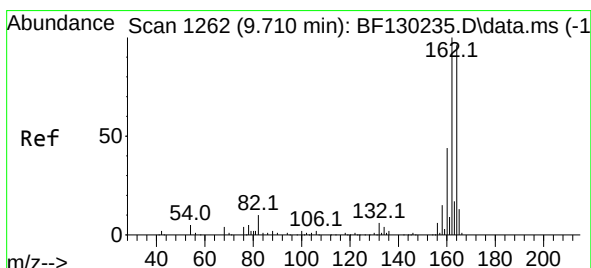
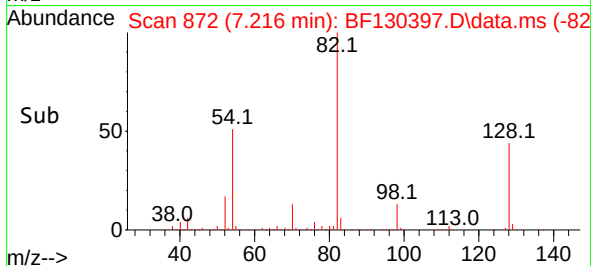
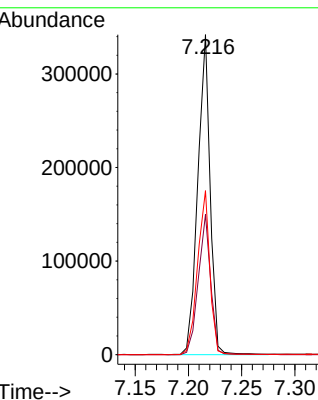
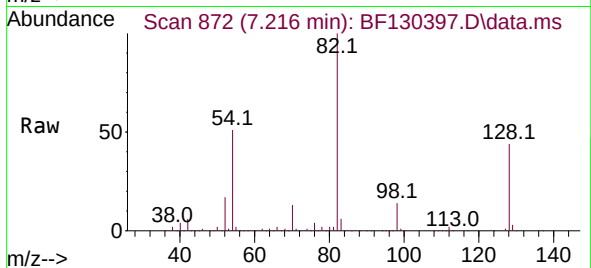
54 51.2 43.8 65.6

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.686 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BF130397.D

Acq: 23 Sep 2022 18:42

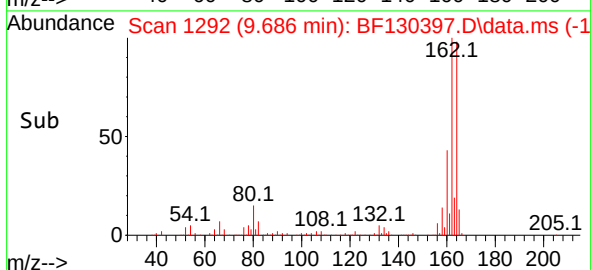
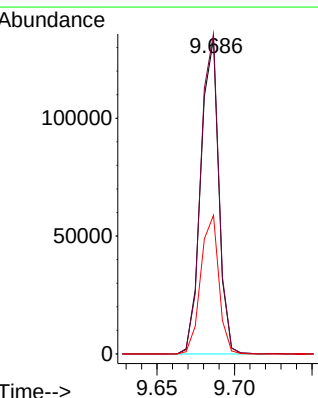
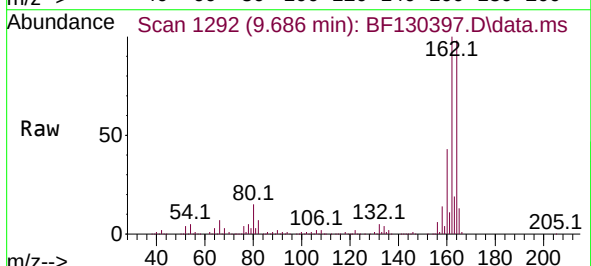
Tgt Ion:164 Resp: 108228

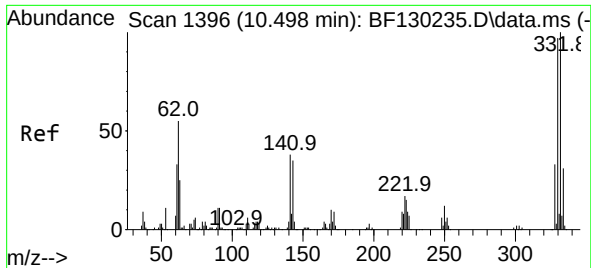
Ion Ratio Lower Upper

164 100

162 101.6 81.4 122.0

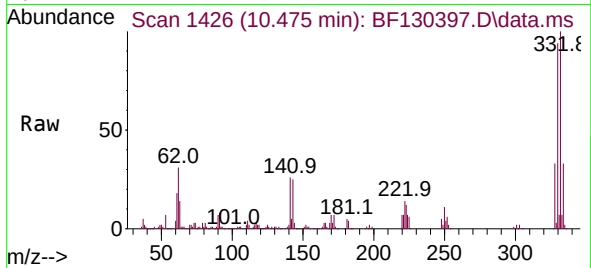
160 44.0 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 107.467 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

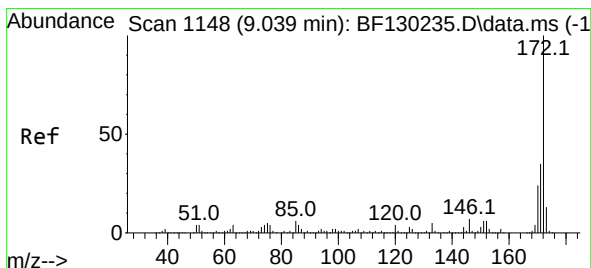
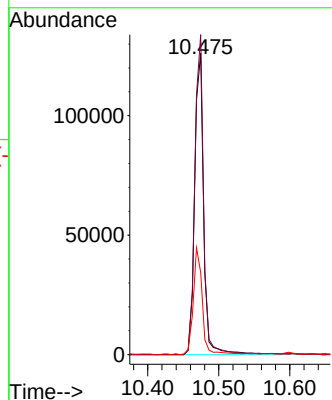
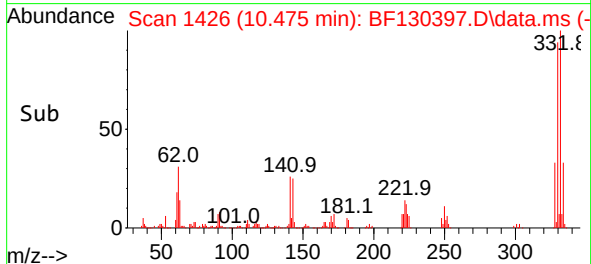
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)



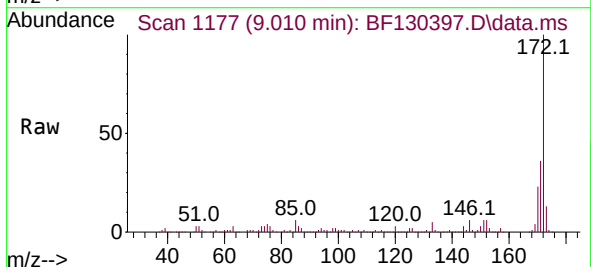
Tgt Ion: 330 Resp: 111447
Ion Ratio Lower Upper
330 100
332 104.0 83.4 125.2
141 35.5 34.0 51.0

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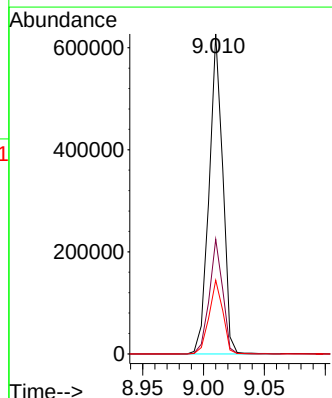
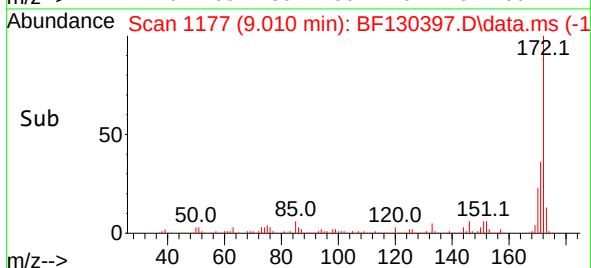
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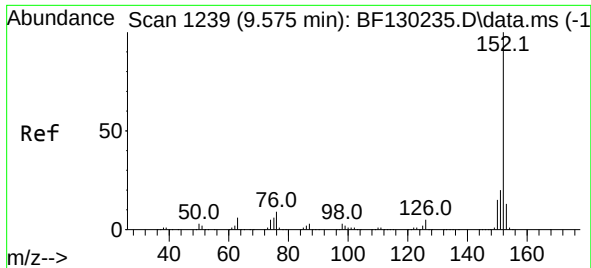


#45
2-Fluorobiphenyl
Concen: 65.902 ng
RT: 9.010 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42



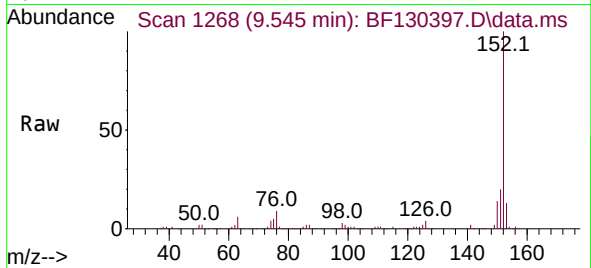
Tgt Ion: 172 Resp: 489805
Ion Ratio Lower Upper
172 100
171 35.9 28.3 42.5
170 23.0 18.7 28.1





#49
Acenaphthylene
Concen: 9.384 ng
RT: 9.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

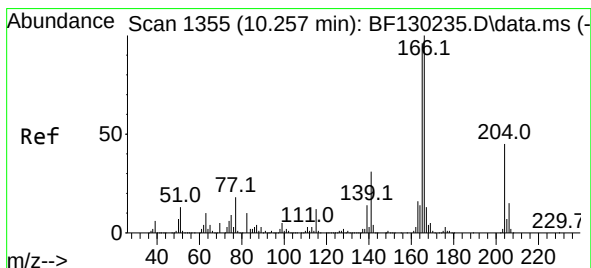
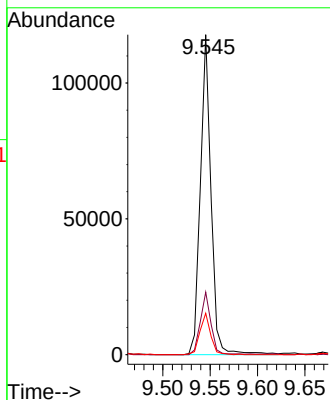
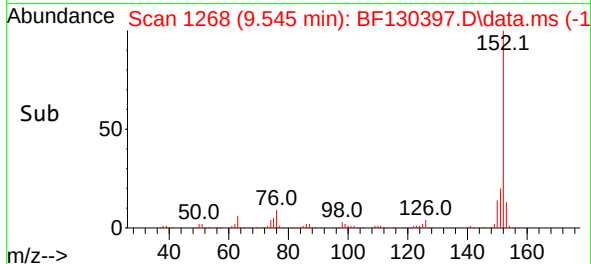
Instrument :
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ClientSampleId :
SASP2-T-1-(0-6)



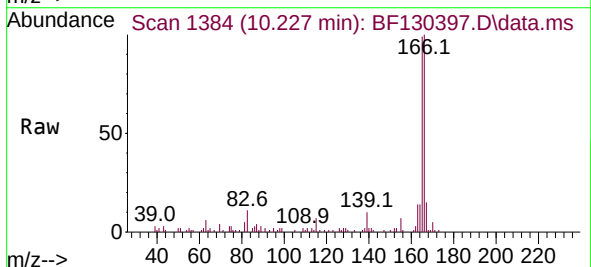
Tgt Ion:152 Resp: 91994
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.2
153 12.9 10.6 15.8

Manual Integrations
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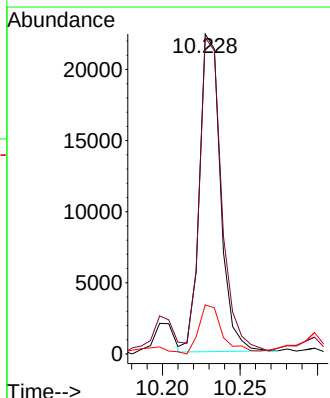
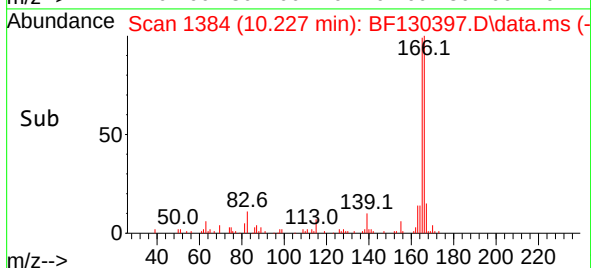
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022

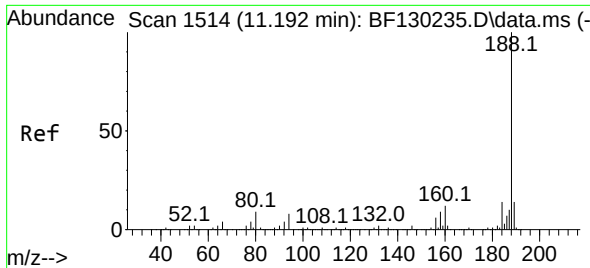


#58
Fluorene
Concen: 2.879 ng
RT: 10.227 min Scan# 1384
Delta R.T. -0.012 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42



Tgt Ion:166 Resp: 21095
Ion Ratio Lower Upper
166 100
165 98.8 78.8 118.2
167 15.3 10.6 15.8





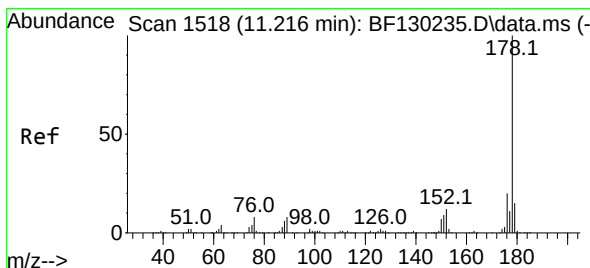
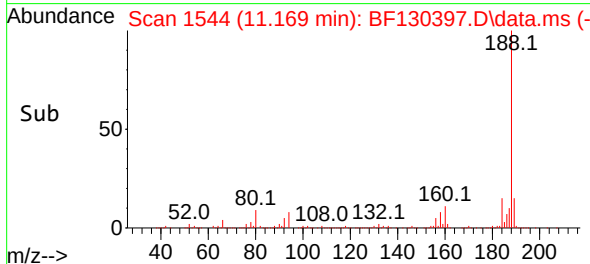
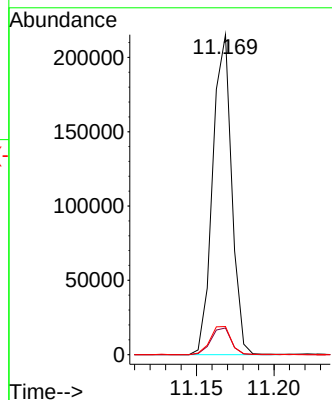
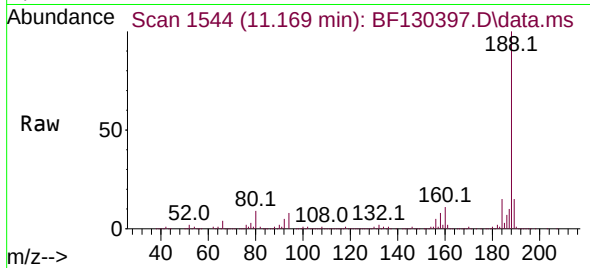
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Instrument :
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ClientSampleId :
SASP2-T-1-(0-6)

Tgt Ion:188 Resp: 183560
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.2
80 8.8 7.9 11.9

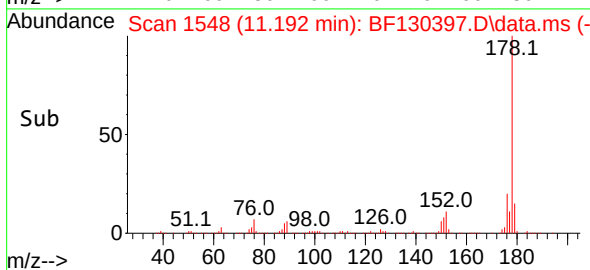
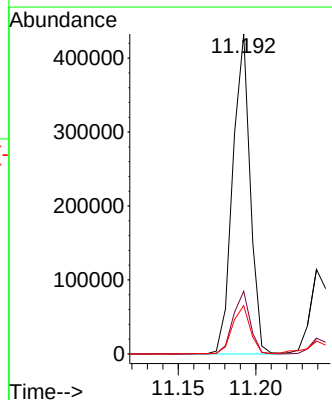
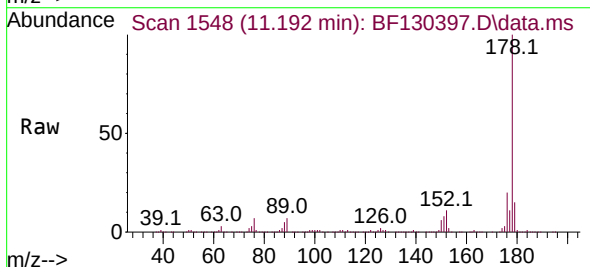
Manual Integrations
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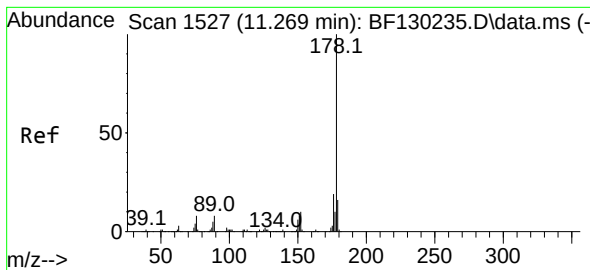
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022



#71
Phenanthrene
Concen: 32.883 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

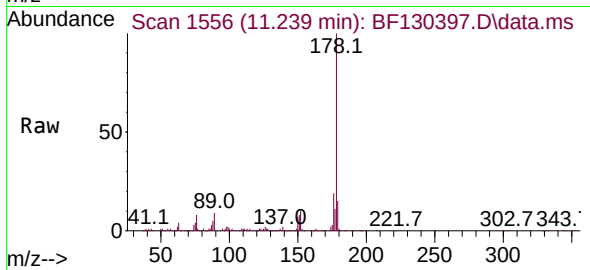
Tgt Ion:178 Resp: 338885
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.1 12.4 18.6





#72
 Anthracene
 Concen: 9.304 ng
 RT: 11.239 min Scan# 1556
 Delta R.T. -0.012 min
 Lab File: BF130397.D
 Acq: 23 Sep 2022 18:42

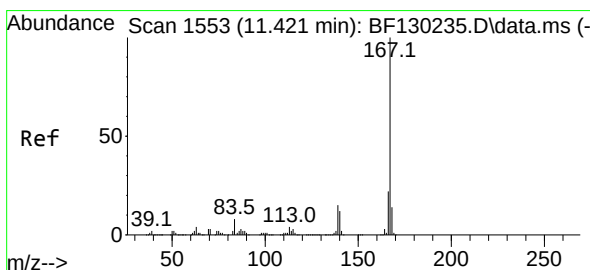
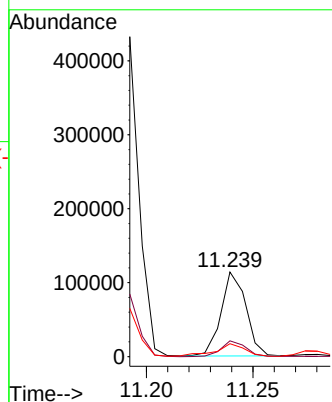
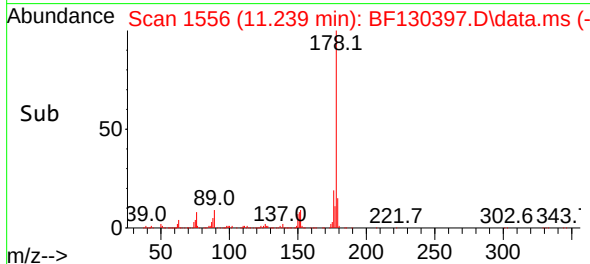
Instrument :
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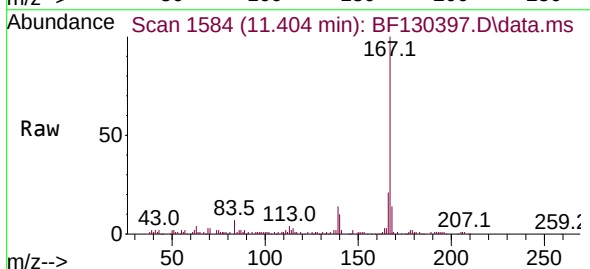
Tgt Ion:178 Resp: 92536
 Ion Ratio Lower Upper
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 176 18.7 15.0 22.6
 179 15.2 12.7 19.1

Manual Integrations
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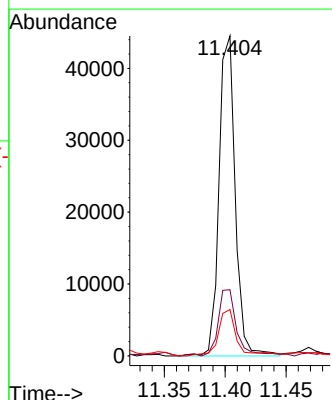
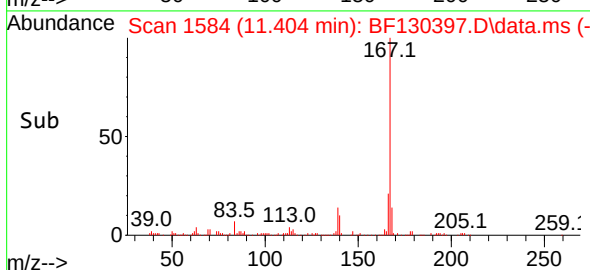
Reviewed By :Christian Giraldo 09/26/2022
 Supervised By :Jagrut Upadhyay 09/26/2022

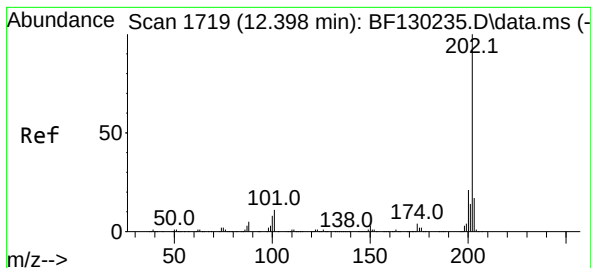


#73
 Carbazole
 Concen: 4.601 ng
 RT: 11.404 min Scan# 1584
 Delta R.T. 0.000 min
 Lab File: BF130397.D
 Acq: 23 Sep 2022 18:42



Tgt Ion:167 Resp: 41293
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.4 26.2
 139 14.5 11.6 17.4





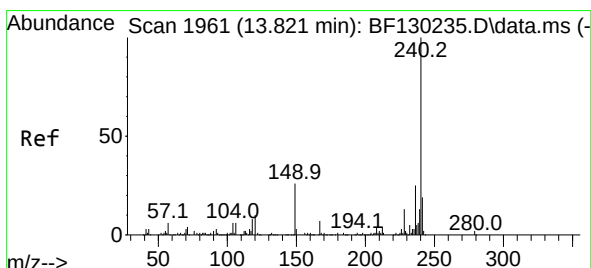
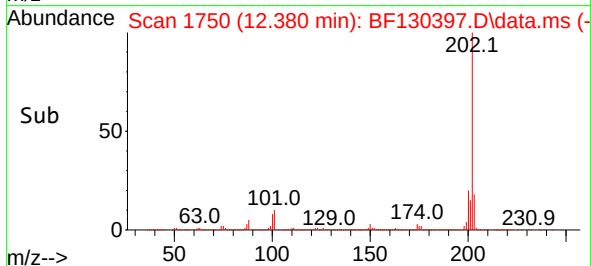
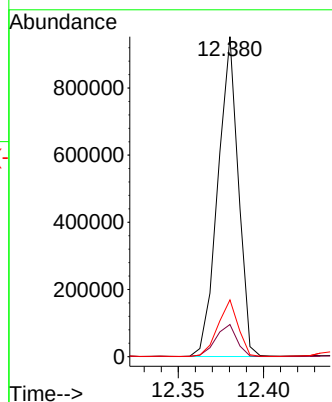
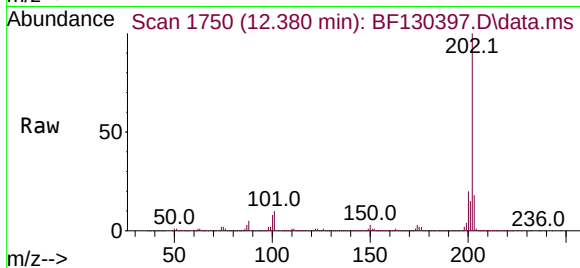
#75
Fluoranthene
Concen: 79.646 ng
RT: 12.380 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

Tgt Ion:202 Resp: 79315
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.8
203 17.7 0.0 37.8

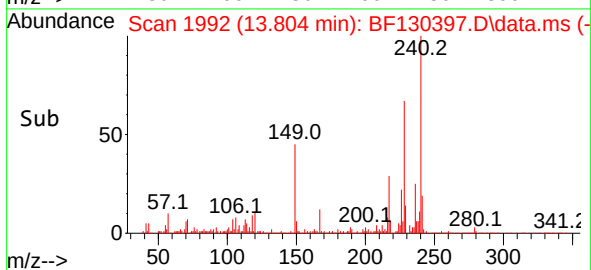
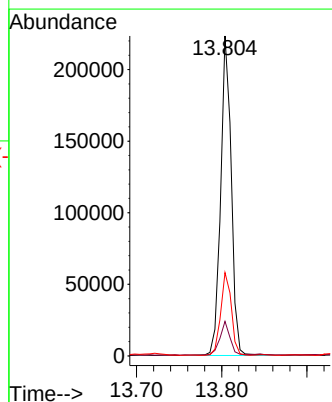
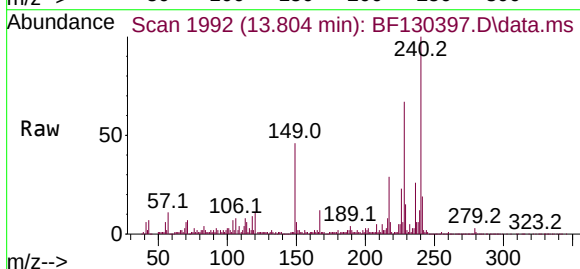
Manual Integrations
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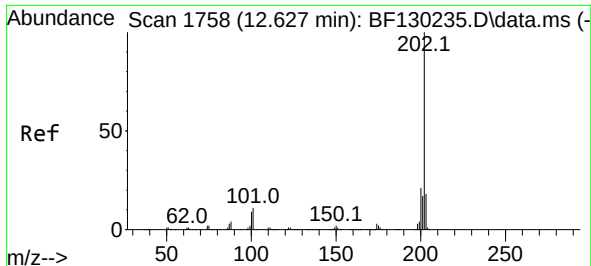
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.804 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

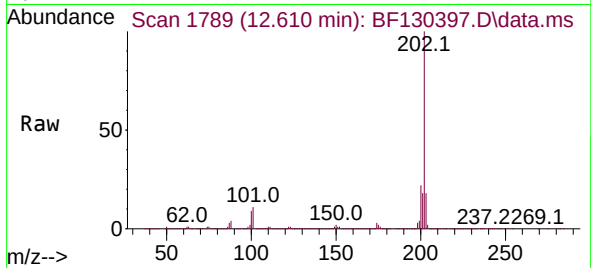
Tgt Ion:240 Resp: 192638
Ion Ratio Lower Upper
240 100
120 10.8 8.7 13.1
236 26.0 20.9 31.3





#78
Pyrene
Concen: 42.566 ng
RT: 12.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

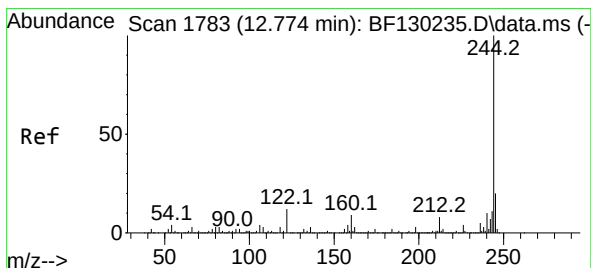
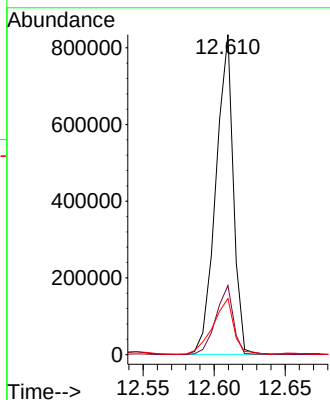
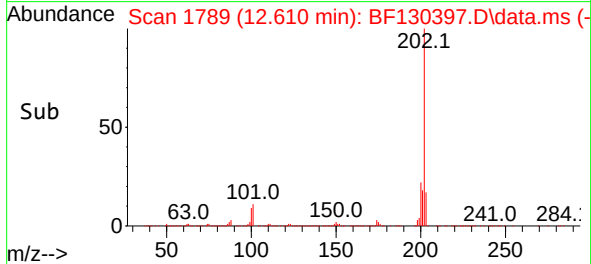
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)



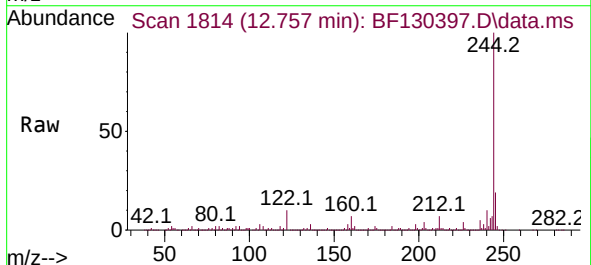
Tgt Ion:202 Resp: 717332
Ion Ratio Lower Upper
202 100
200 21.6 17.2 25.8
203 17.5 14.3 21.5

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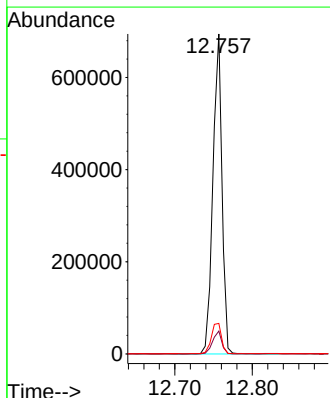
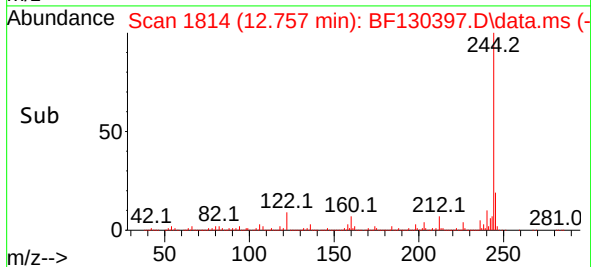
Reviewed By :Christian Giraldo 09/26/2022
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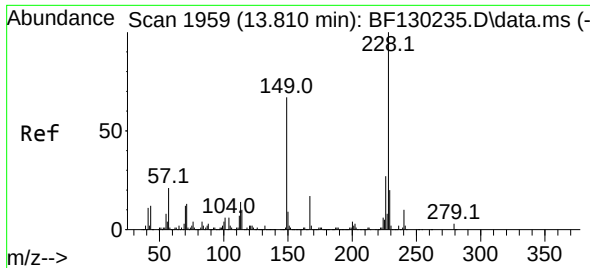


#79
Terphenyl-d14
Concen: 48.493 ng
RT: 12.757 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42



Tgt Ion:244 Resp: 563935
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 9.5 8.5 12.7





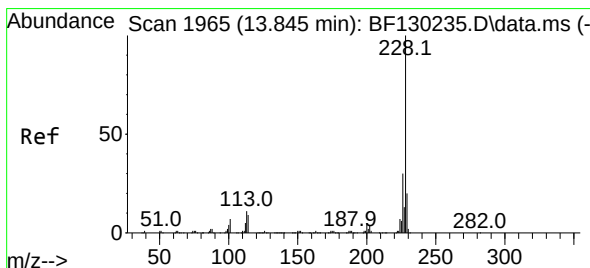
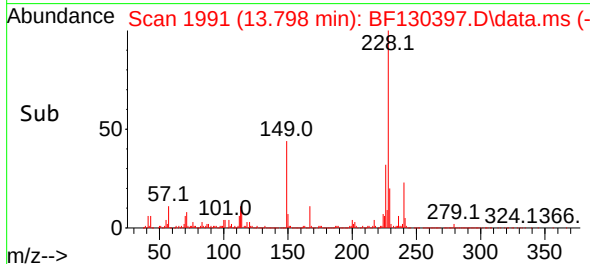
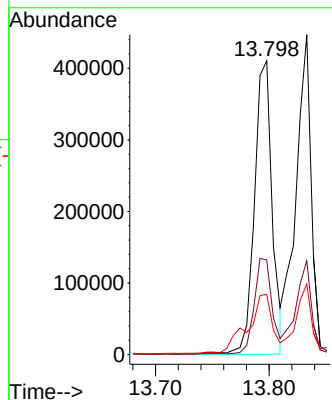
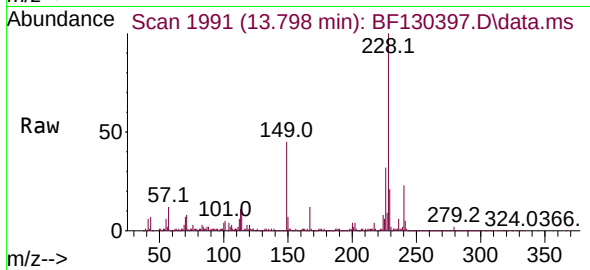
#81
Benzo(a)anthracene
Concen: 34.584 ng
RT: 13.798 min Scan# 1959
Delta R.T. 0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

Tgt Ion:228 Resp: 443207
Ion Ratio Lower Upper
228 100
226 32.2 21.9 32.9
229 20.6 16.1 24.1

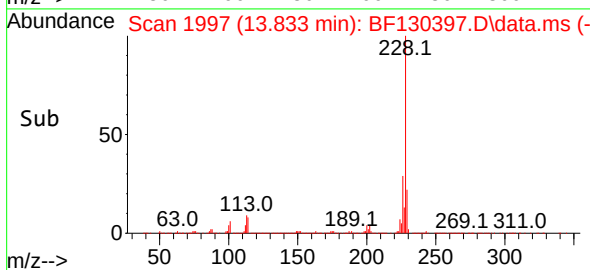
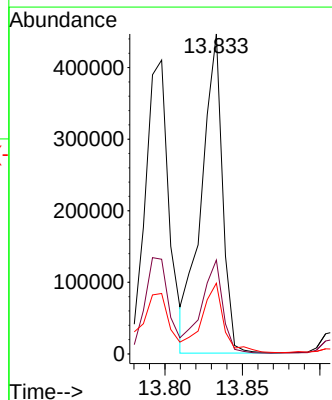
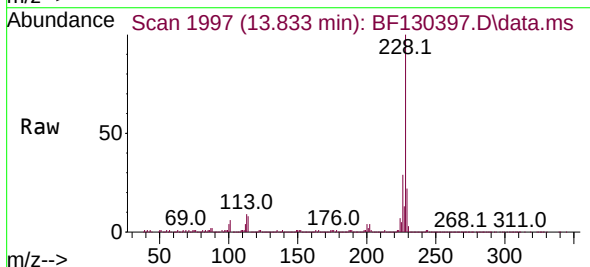
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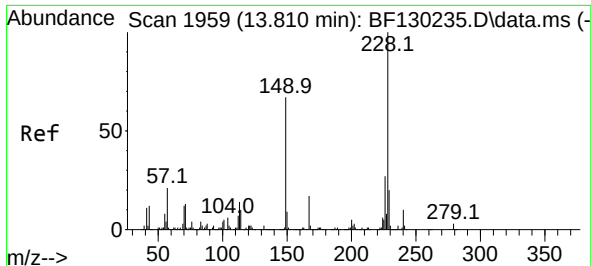
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022



#83
Chrysene
Concen: 34.690 ng
RT: 13.833 min Scan# 1997
Delta R.T. 0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Tgt Ion:228 Resp: 422114
Ion Ratio Lower Upper
228 100
226 29.3 23.8 35.8
229 22.1 15.3 22.9





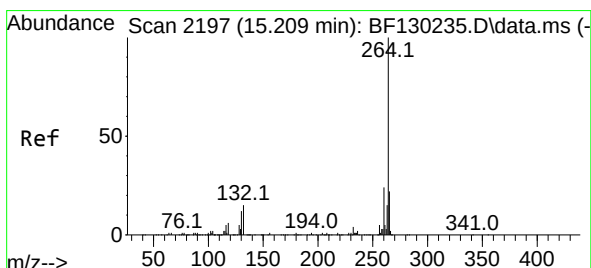
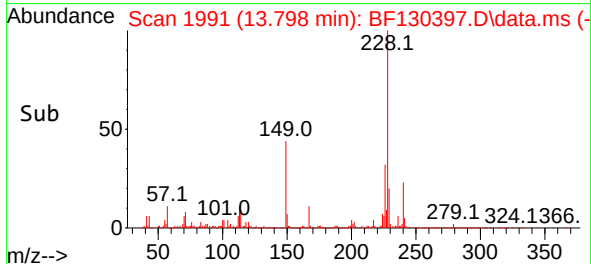
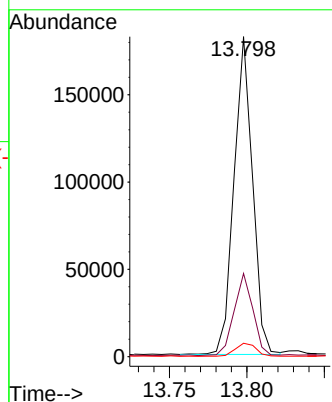
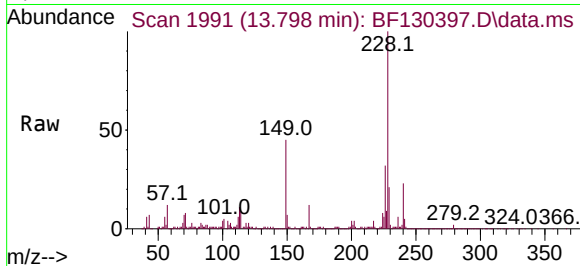
#84
Bis(2-ethylhexyl)phthalate
Concen: 21.276 ng
RT: 13.798 min Scan# 1959
Delta R.T. 0.006 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)

Tgt Ion:149 Resp: 152145
Ion Ratio Lower Upper
149 100
167 26.0 20.5 30.7
279 4.2 2.9 4.3

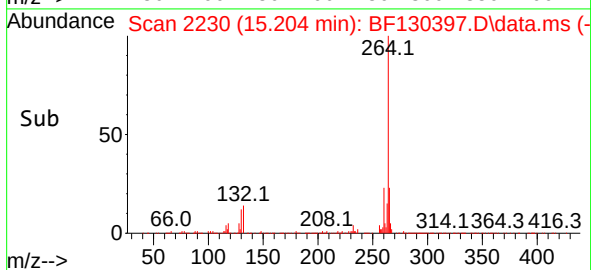
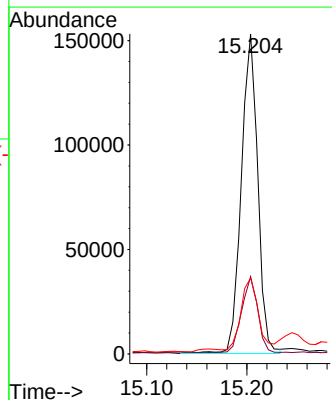
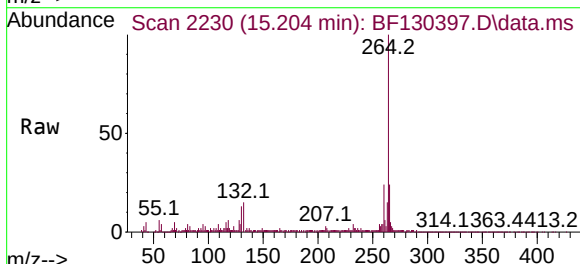
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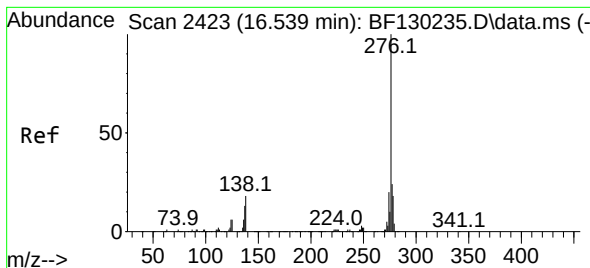
Reviewed By :Christian Giraldo 09/26/2022
Supervised By :Jagrut Upadhyay 09/26/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.204 min Scan# 2230
Delta R.T. 0.018 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

Tgt Ion:264 Resp: 173563
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 23.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.118 ng m

RT: 16.533 min Scan# 24

Delta R.T. 0.024 min

Lab File: BF130397.D

Acq: 23 Sep 2022 18:42

Instrument :

BNA_F

ClientSampleId :

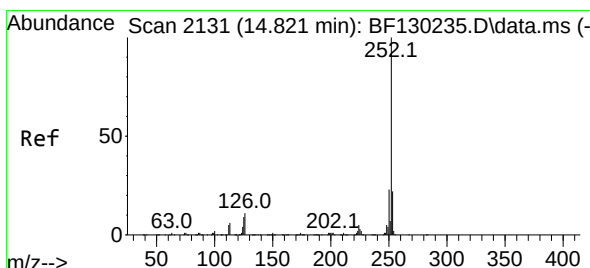
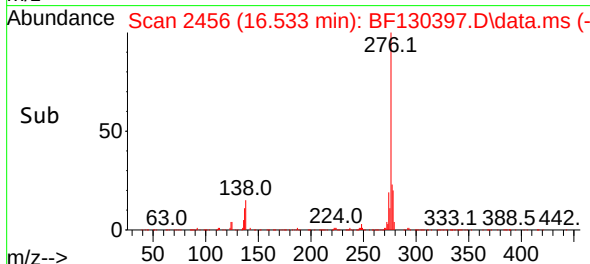
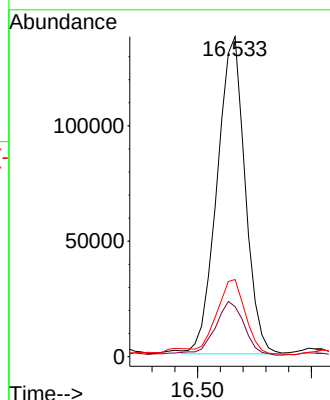
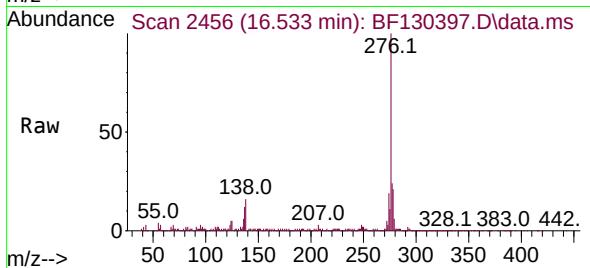
SASP2-T-1-(0-6)

Tgt Ion:276 Resp: 235307
 Ion Ratio Lower Upper
 276 100
 138 3.6 18.5 27.7
 277 4.7 20.2 30.4

Manual Integrations

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 Supervised By :Jagrut Upadhyay 09/26/2022



#88

Benzo(b)fluoranthene

Concen: 54.025 ng m

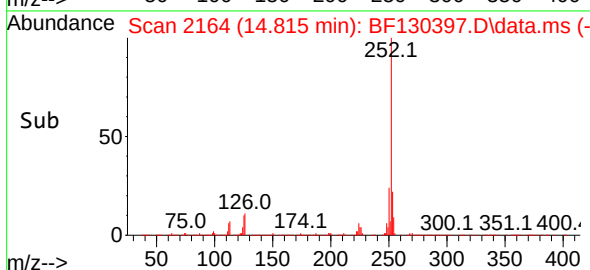
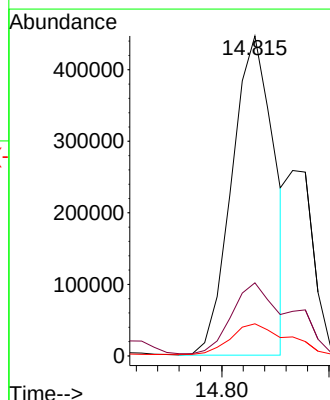
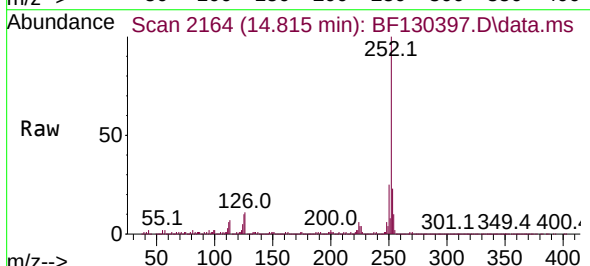
RT: 14.815 min Scan# 2164

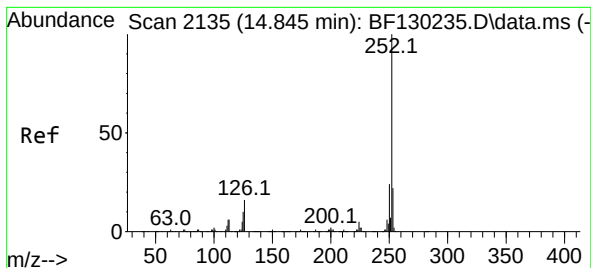
Delta R.T. 0.018 min

Lab File: BF130397.D

Acq: 23 Sep 2022 18:42

Tgt Ion:252 Resp: 612012
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.7 26.5
 125 10.0 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 19.591 ng m

RT: 14.833 min Scan# 2135

Delta R.T. 0.006 min

Lab File: BF130397.D

Acq: 23 Sep 2022 18:42

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)

Tgt Ion:252 Resp: 218318

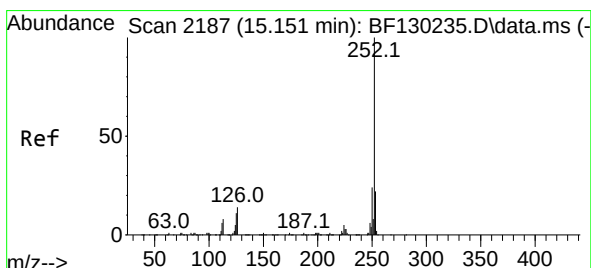
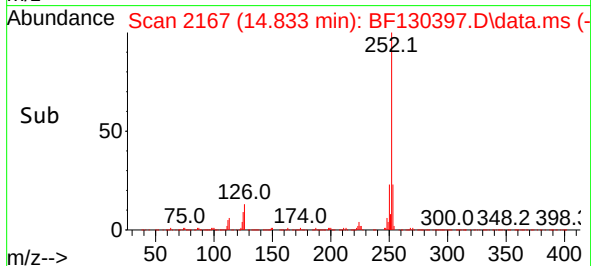
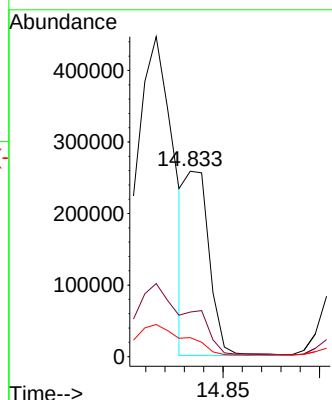
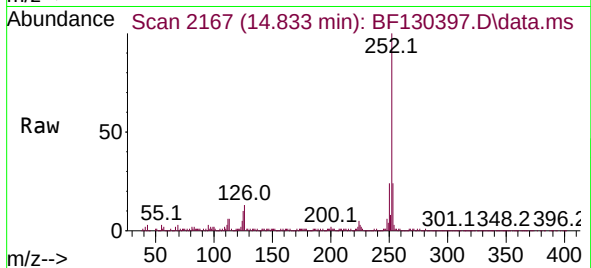
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	10.3	7.9	11.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/26/2022



#90

Benzo(a)pyrene

Concen: 43.779 ng

RT: 15.145 min Scan# 2220

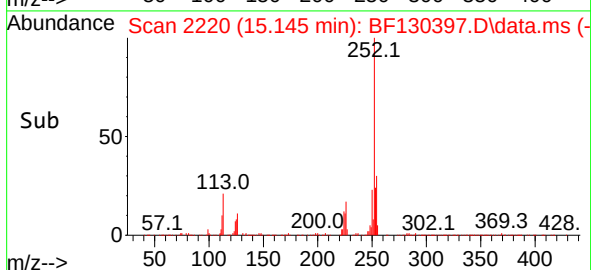
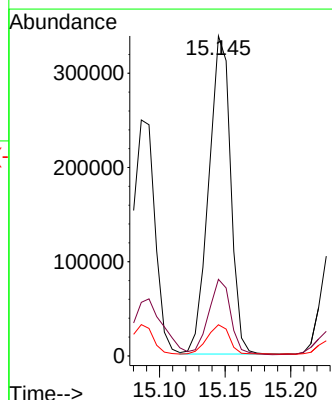
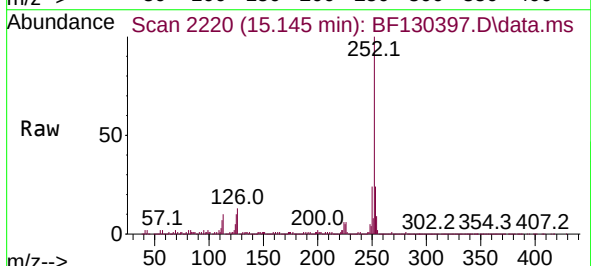
Delta R.T. 0.012 min

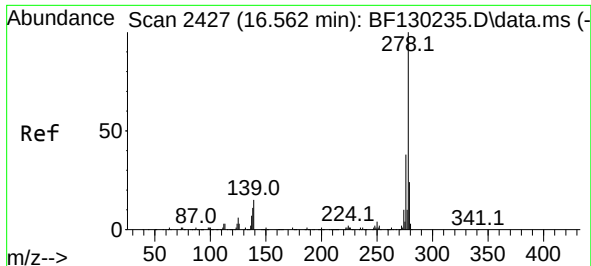
Lab File: BF130397.D

Acq: 23 Sep 2022 18:42

Tgt Ion:252 Resp: 392906

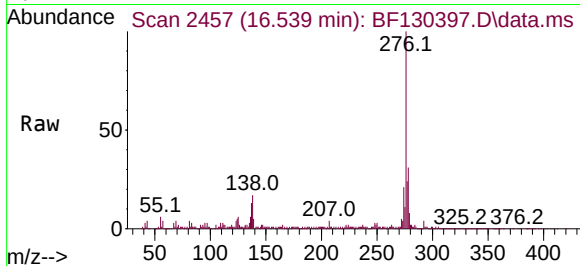
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	9.7	9.0	13.6





#91
Dibenzo(a,h)anthracene
Concen: 5.595 ng m
RT: 16.539 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42

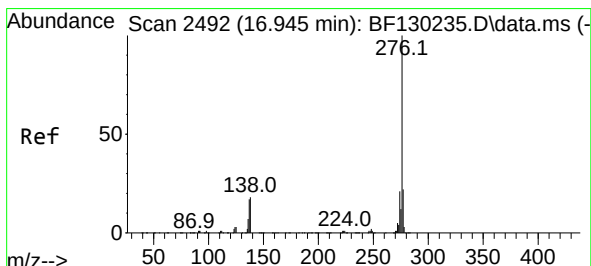
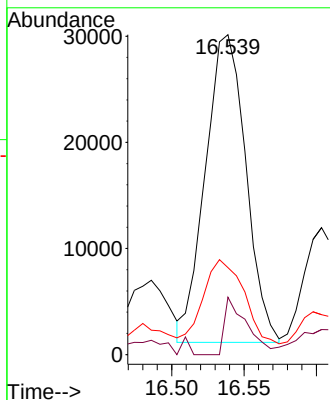
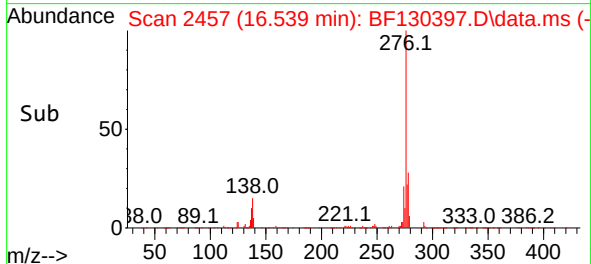
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)



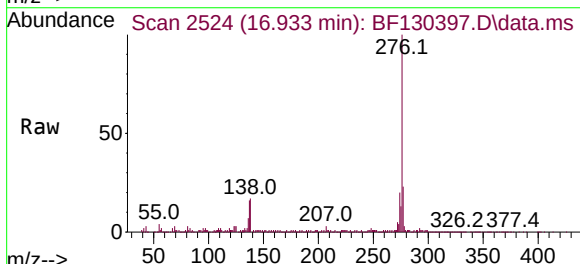
Tgt Ion: 278 Resp: 56496
Ion Ratio Lower Upper
278 100
139 17.9 11.8 17.8
279 27.2 19.4 29.0

Manual Integrations
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Reviewed By : Christian Giraldo 09/26/2022
Supervised By : Jagrut Upadhyay 09/26/2022



#92
Benzo(g,h,i)perylene
Concen: 21.733 ng
RT: 16.933 min Scan# 2524
Delta R.T. 0.024 min
Lab File: BF130397.D
Acq: 23 Sep 2022 18:42



Tgt Ion: 276 Resp: 221046
Ion Ratio Lower Upper
276 100
277 23.2 18.6 27.8
138 17.0 14.6 21.8

