

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
 Data File : BF130437.D
 Acq On : 27 Sep 2022 22:05
 Operator : CG\JU
 Sample : N4782-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/28/2022
 Supervised By : Jagrut Upadhyay 09/28/2022

Quant Time: Sep 28 03:02:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.645	152	78138	20.000	ng	0.00
21) Naphthalene-d8	7.928	136	257790	20.000	ng	# 0.00
39) Acenaphthene-d10	9.675	164	119016	20.000	ng	0.00
64) Phenanthrene-d10	11.157	188	213666	20.000	ng	0.00
76) Chrysene-d12	13.792	240	222530	20.000	ng	0.00
86) Perylene-d12	15.180	264	180410	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.251	112	432290	95.957	ng	0.00
7) Phenol-d6	6.287	99	480032	85.160	ng	0.00
23) Nitrobenzene-d5	7.210	82	303310	60.110	ng	0.00
42) 2,4,6-Tribromophenol	10.463	330	128112	112.340	ng	0.00
45) 2-Fluorobiphenyl	9.004	172	518659	63.459	ng	0.00
79) Terphenyl-d14	12.739	244	672750	50.079	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.533	152	104597	9.702	ng	99
58) Fluorene	10.222	166	23006	2.855	ng	98
71) Phenanthrene	11.180	178	390228	32.530	ng	99
72) Anthracene	11.227	178	104512	9.028	ng	98
73) Carbazole	11.386	167	47762	4.572	ng	98
75) Fluoranthene	12.368	202	941836	81.250	ng	98
78) Pyrene	12.598	202	840207	43.161	ng	100
81) Benzo(a)anthracene	13.780	228	515893m	34.849	ng	
83) Chrysene	13.815	228	469421	33.396	ng	96
84) Bis(2-ethylhexyl)phtha...	13.780	149	178280	21.582	ng	98
87) Indeno(1,2,3-cd)pyrene	16.504	276	268580m	20.993	ng	
88) Benzo(b)fluoranthene	14.798	252	660110m	56.059	ng	
89) Benzo(k)fluoranthene	14.815	252	217212m	18.752	ng	
90) Benzo(a)pyrene	15.127	252	408961	43.838	ng	97
91) Dibenzo(a,h)anthracene	16.509	278	66290	6.316	ng	93
92) Benzo(g,h,i)perylene	16.898	276	260654	24.654	ng	100

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

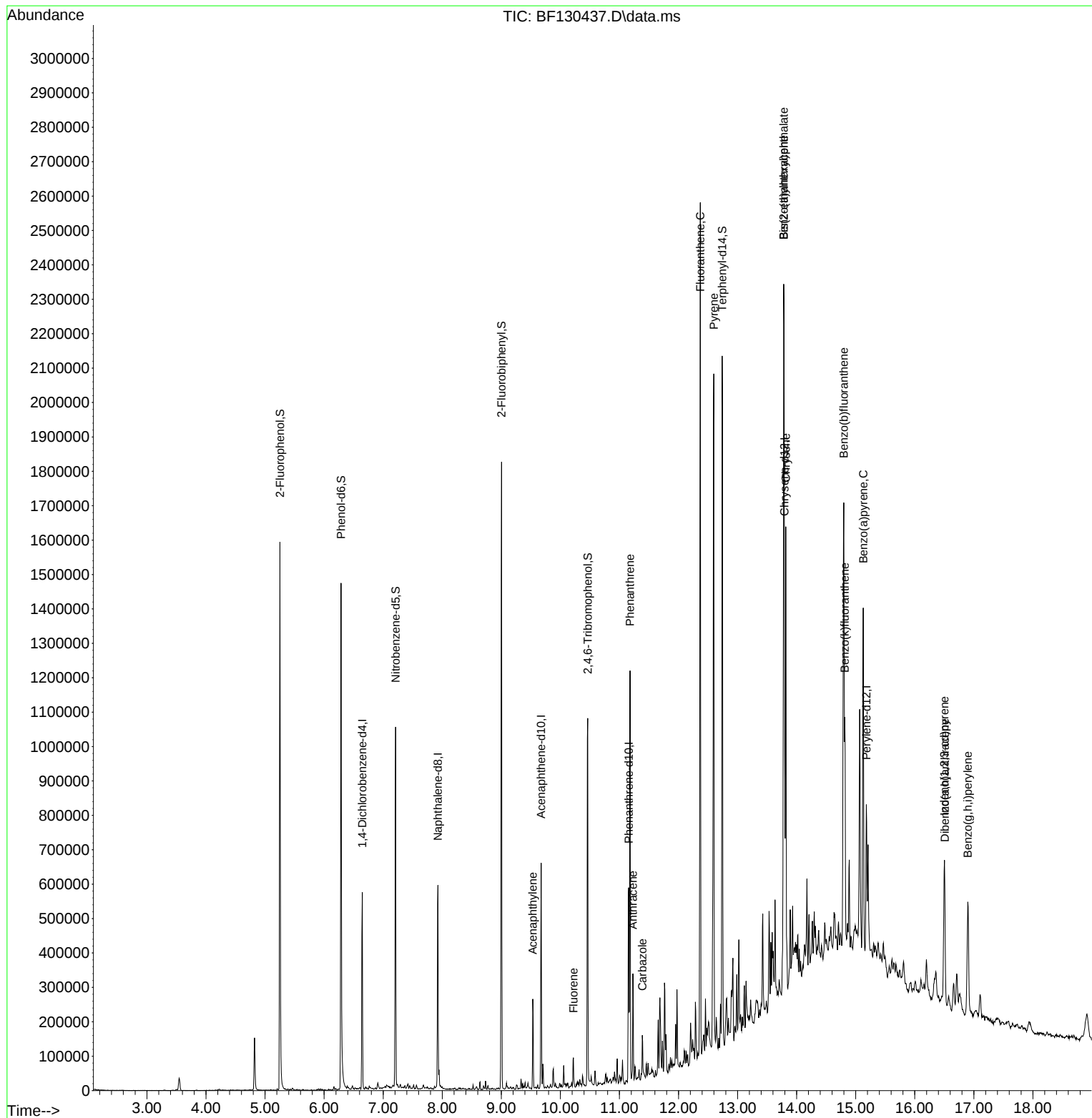
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092722\
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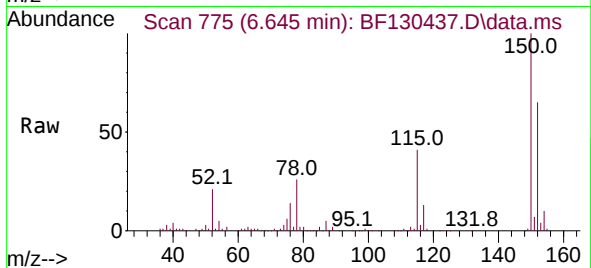
Reviewed By : Christian Giraldo 09/28/2022
Supervised By : Jagrut Upadhyay 09/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.645 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

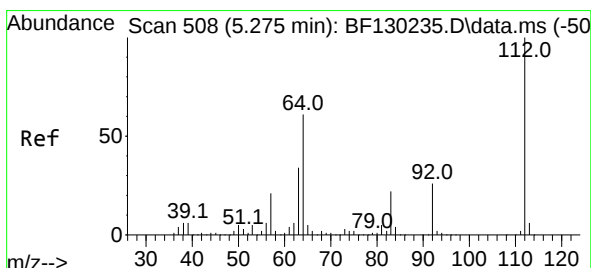
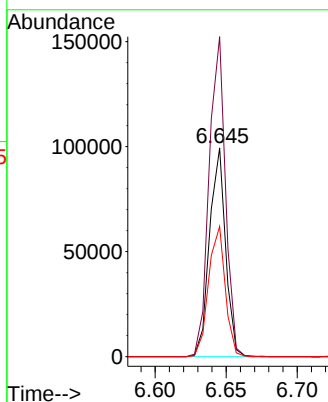
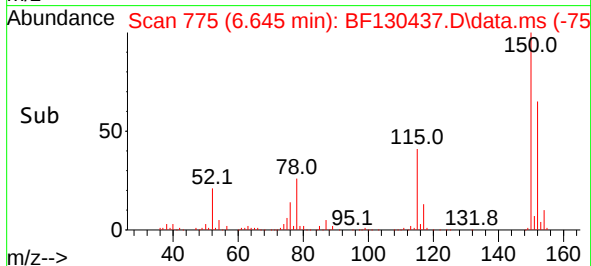
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)



Tgt Ion:152 Resp: 78138
Ion Ratio Lower Upper
152 100
150 153.3 122.8 184.2
115 62.4 53.8 80.8

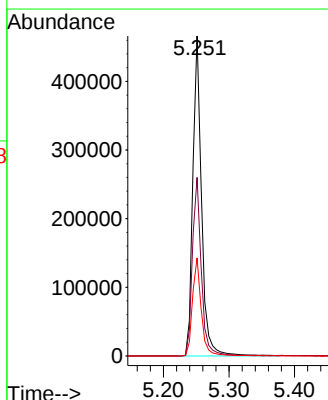
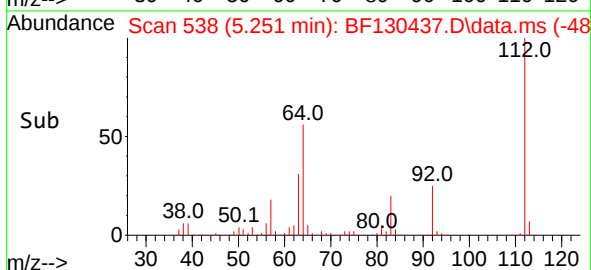
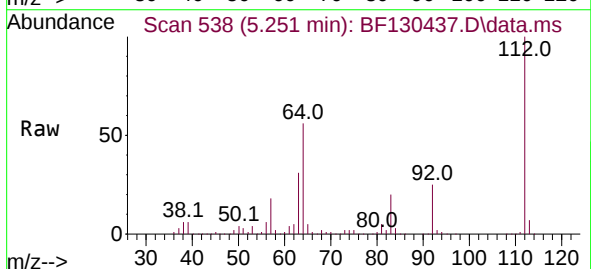
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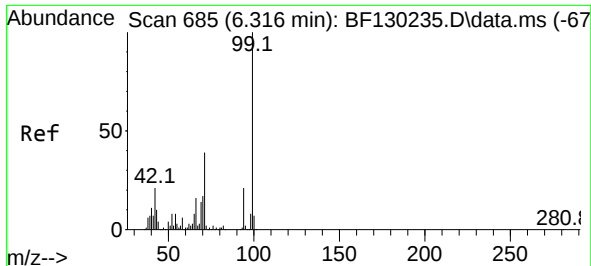
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022



#5
2-Fluorophenol
Concen: 95.957 ng
RT: 5.251 min Scan# 538
Delta R.T. 0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

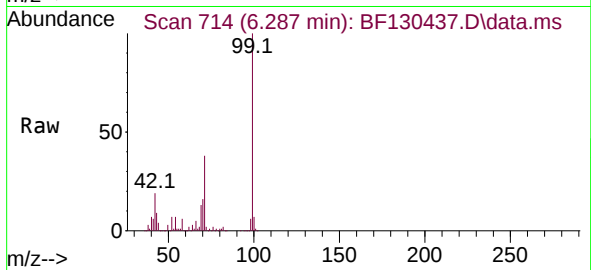
Tgt Ion:112 Resp: 432290
Ion Ratio Lower Upper
112 100
64 55.8 51.4 77.0
63 30.6 28.8 43.2





#7
Phenol-d6
Concen: 85.160 ng
RT: 6.287 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

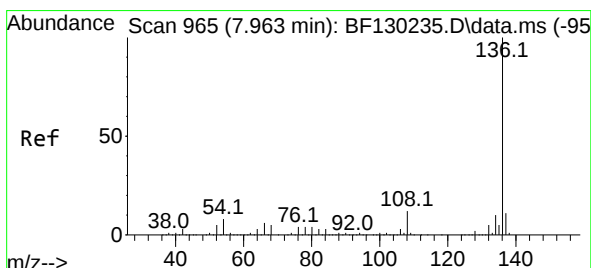
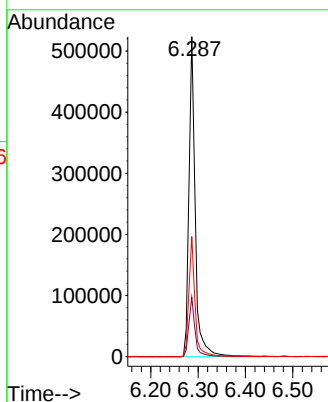
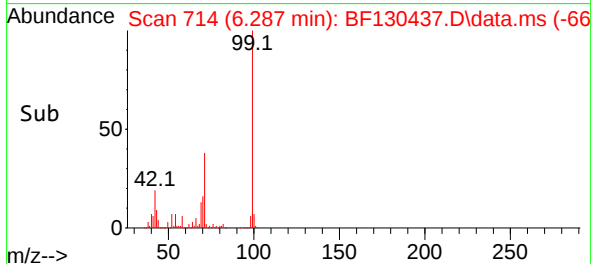
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)



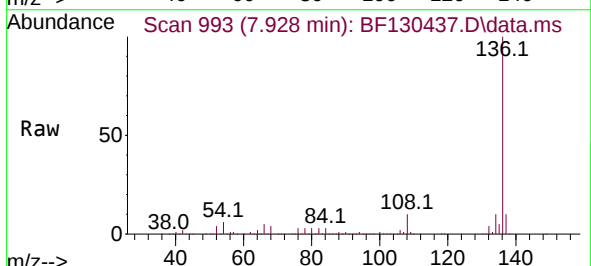
Tgt Ion: 99 Resp: 480032
Ion Ratio Lower Upper
99 100
42 18.6 17.0 25.6
71 37.5 32.3 48.5

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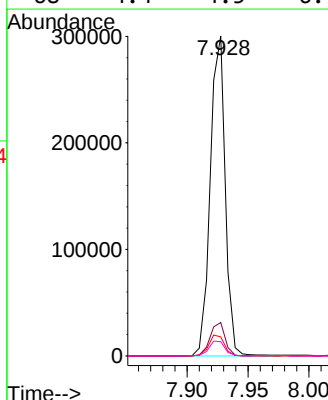
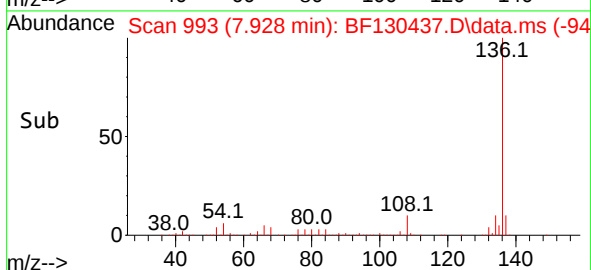
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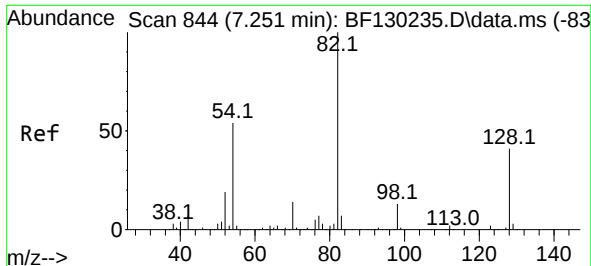


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.928 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05



Tgt Ion:136 Resp: 257790
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 6.0 7.1 10.7#
68 4.4 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 60.110 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

Instrument :

BNA_F

ClientSampleId :

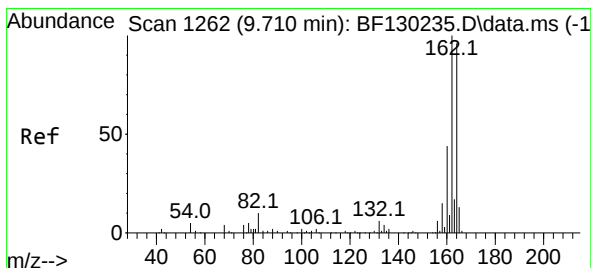
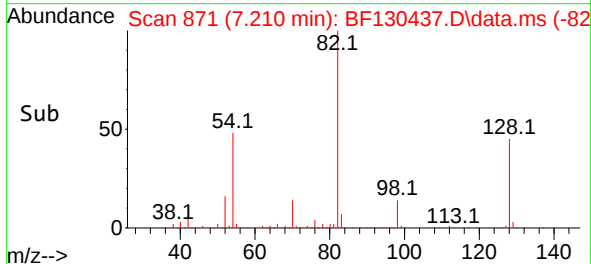
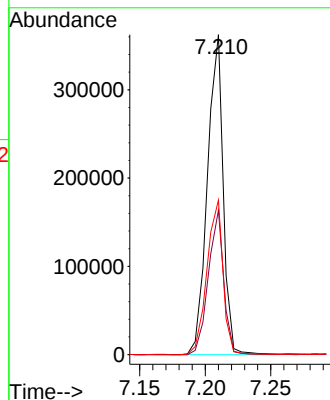
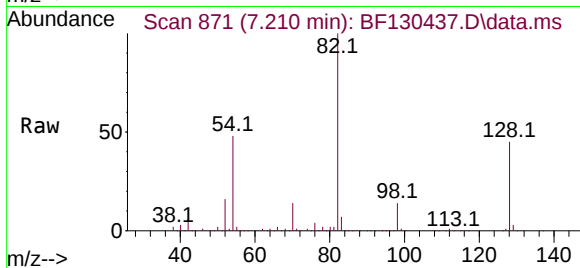
SASP2-T-1-(0-6)

Tgt Ion: 82 Resp: 303310
 Ion Ratio Lower Upper
 82 100
 128 45.1 32.6 49.0
 54 48.3 43.8 65.6

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

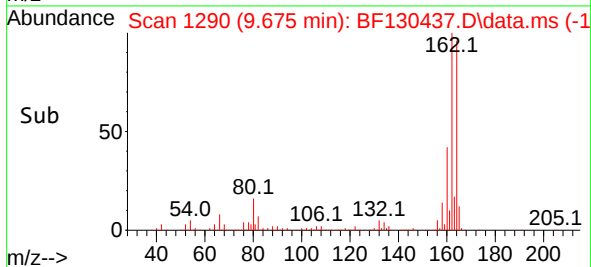
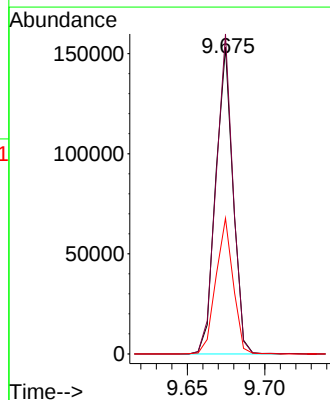
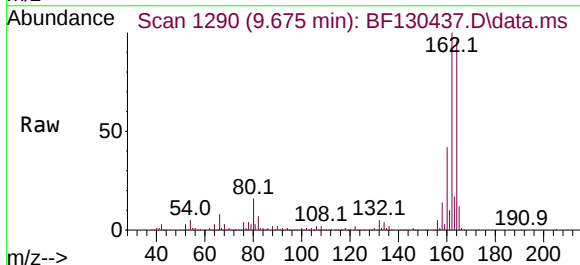
RT: 9.675 min Scan# 1290

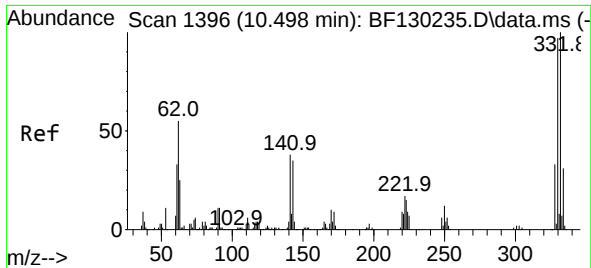
Delta R.T. -0.006 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

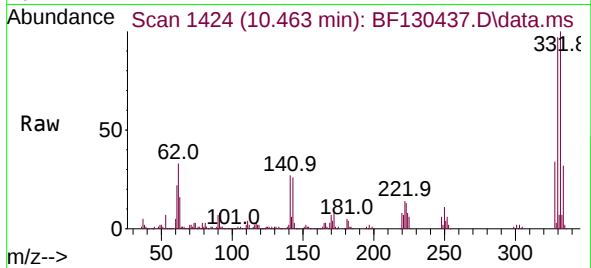
Tgt Ion:164 Resp: 119016
 Ion Ratio Lower Upper
 164 100
 162 104.3 81.4 122.0
 160 44.2 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 112.340 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

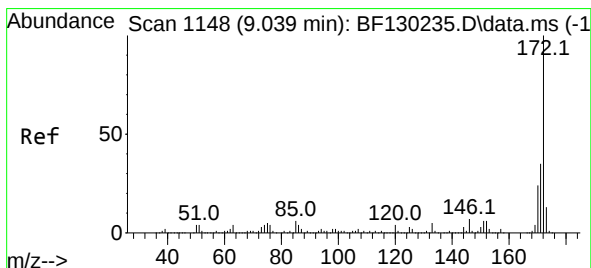
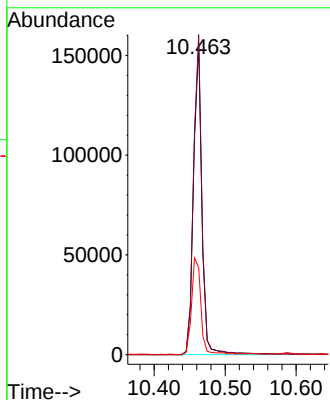
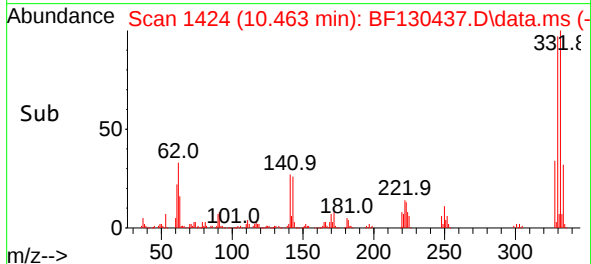
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)



Tgt Ion: 330 Resp: 128112
Ion Ratio Lower Upper
330 100
332 103.5 83.4 125.2
141 34.8 34.0 51.0

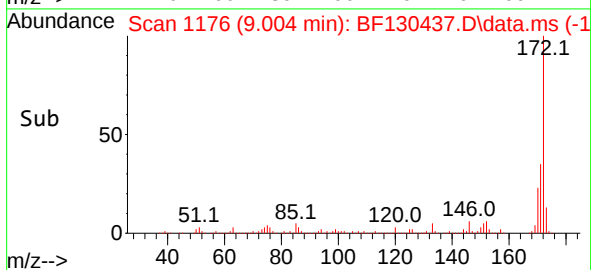
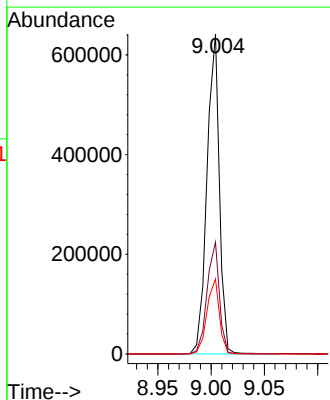
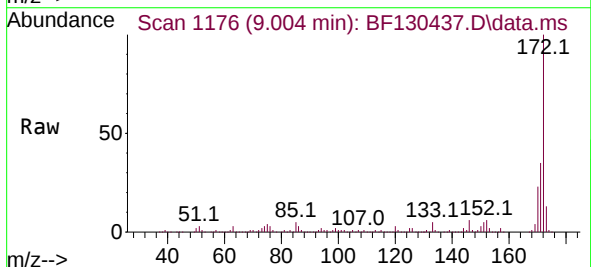
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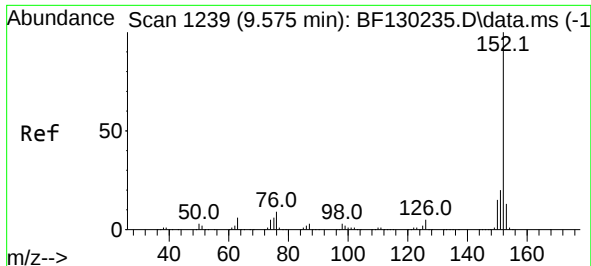
Reviewed By : Christian Giraldo 09/28/2022
Supervised By : Jagrut Upadhyay 09/28/2022



#45
2-Fluorobiphenyl
Concen: 63.459 ng
RT: 9.004 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

Tgt Ion: 172 Resp: 518659
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.4 18.7 28.1





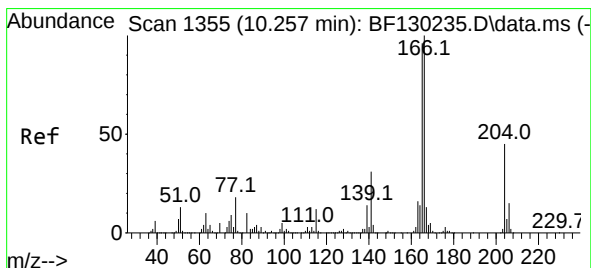
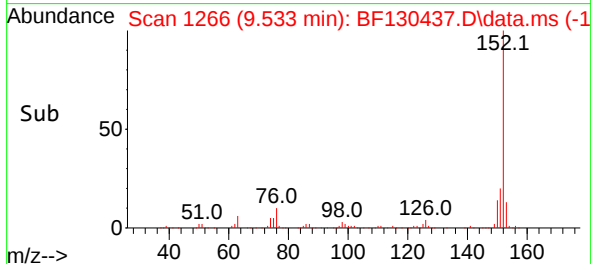
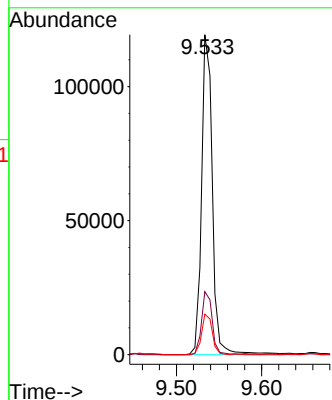
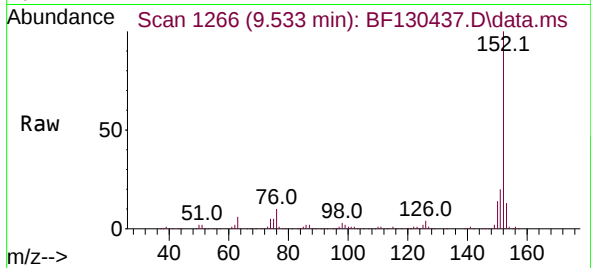
#49
Acenaphthylene
Concen: 9.702 ng
RT: 9.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

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

Tgt Ion:152 Resp: 10459
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 12.6 10.6 15.8

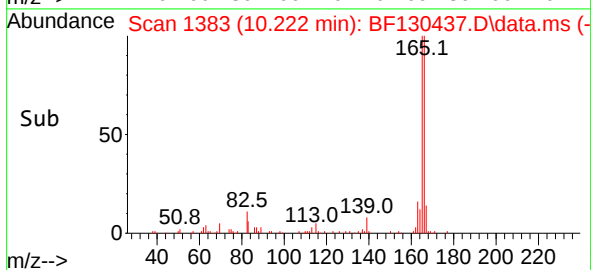
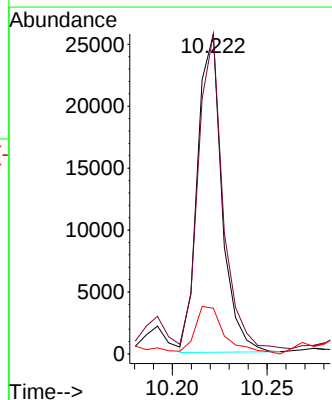
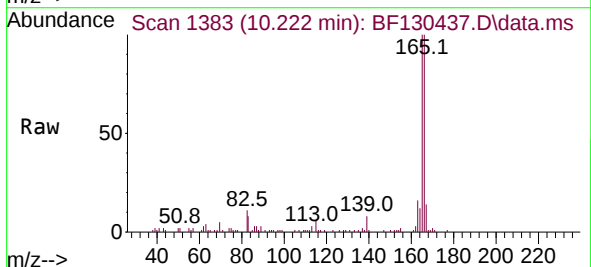
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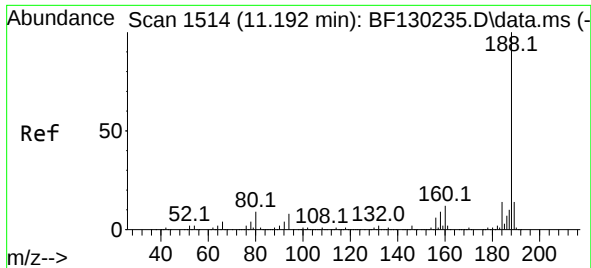
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022



#58
Fluorene
Concen: 2.855 ng
RT: 10.222 min Scan# 1383
Delta R.T. -0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

Tgt Ion:166 Resp: 23006
Ion Ratio Lower Upper
166 100
165 100.2 78.8 118.2
167 14.3 10.6 15.8





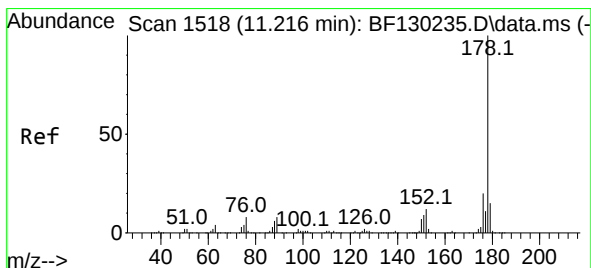
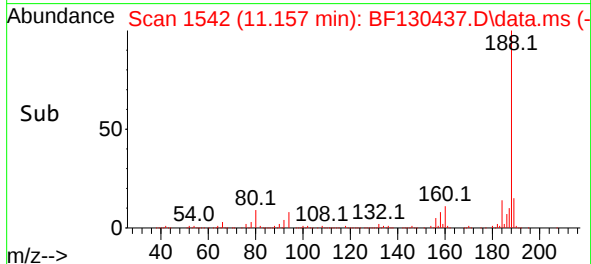
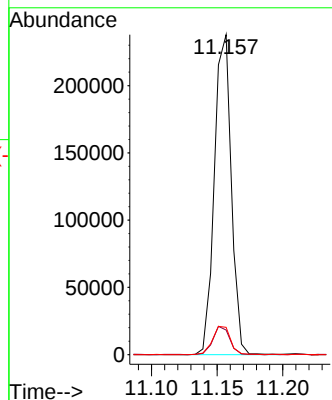
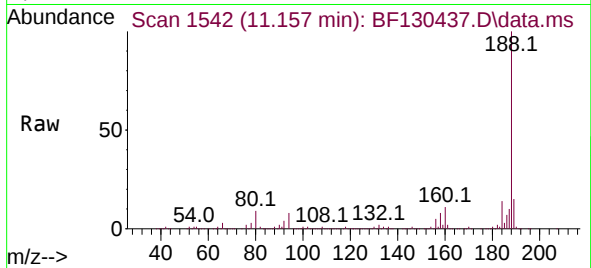
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.157 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

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

Tgt Ion:188 Resp: 21366
Ion Ratio Lower Upper
188 100
94 7.7 7.4 11.2
80 8.5 7.9 11.9

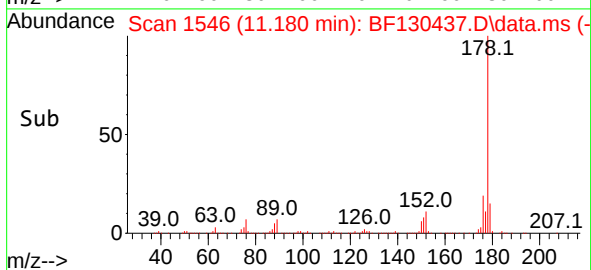
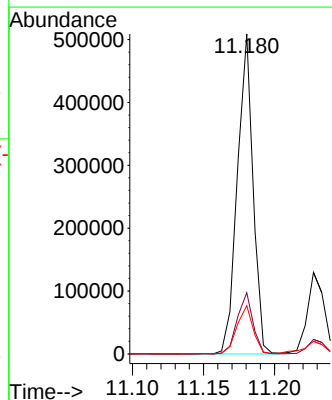
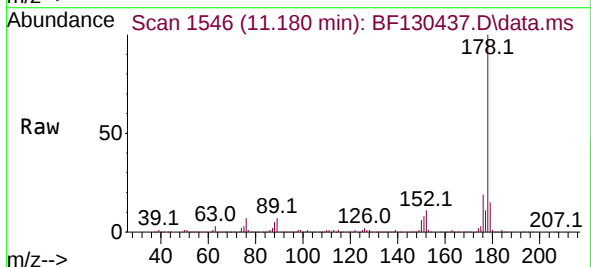
Manual Integrations
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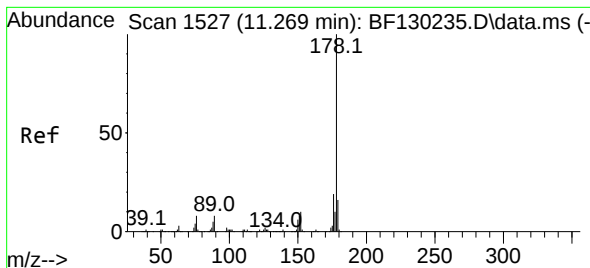
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022



#71
Phenanthrene
Concen: 32.530 ng
RT: 11.180 min Scan# 1546
Delta R.T. -0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

Tgt Ion:178 Resp: 390228
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.1 12.4 18.6





#72

Anthracene

Concen: 9.028 ng

RT: 11.227 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

Instrument :

BNA_F

ClientSampleId :

SASP2-T-1-(0-6)

Tgt Ion:178 Resp: 104512

Ion Ratio Lower Upper

178 100

176 17.8 15.0 22.6

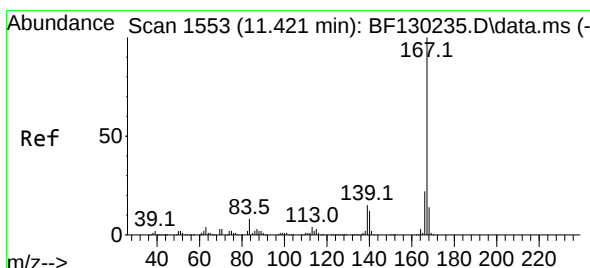
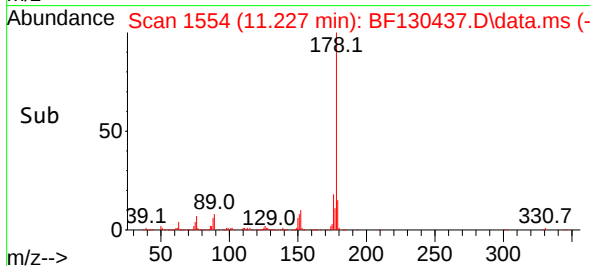
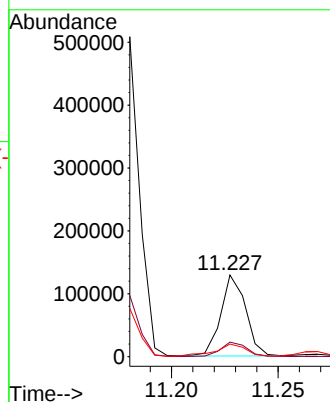
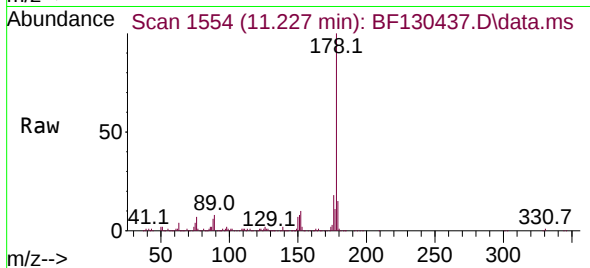
179 15.4 12.7 19.1

Manual Integrations

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Reviewed By :Christian Giraldo 09/28/2022

Supervised By :Jagrut Upadhyay 09/28/2022



#73

Carbazole

Concen: 4.572 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

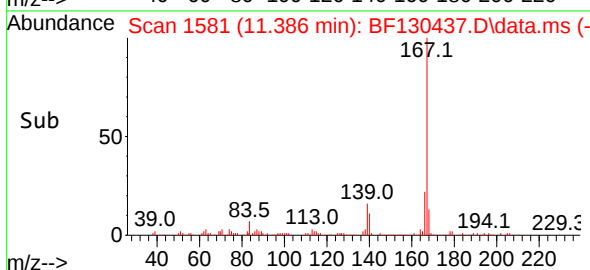
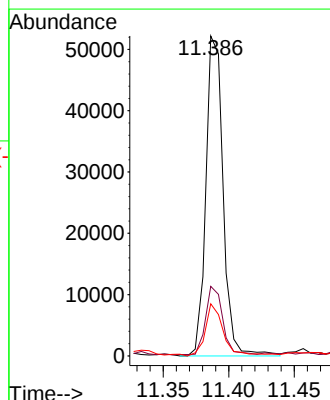
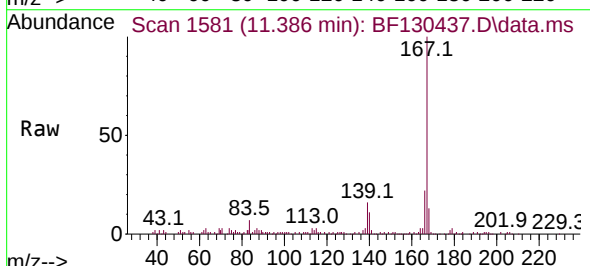
Tgt Ion:167 Resp: 47762

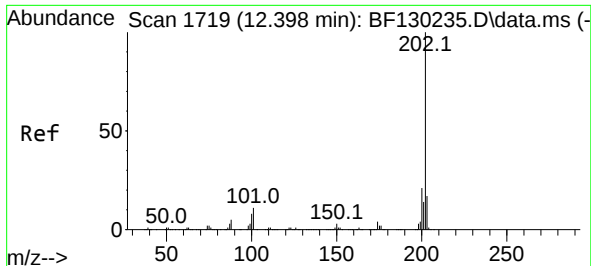
Ion Ratio Lower Upper

167 100

166 21.7 17.4 26.2

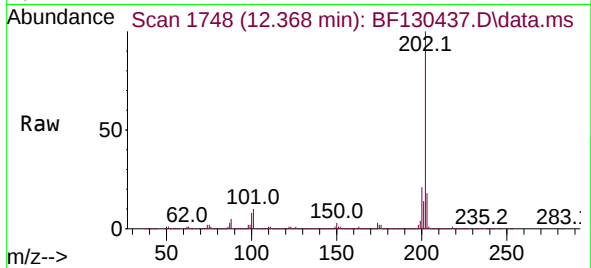
139 16.3 11.6 17.4





#75
Fluoranthene
Concen: 81.250 ng
RT: 12.368 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

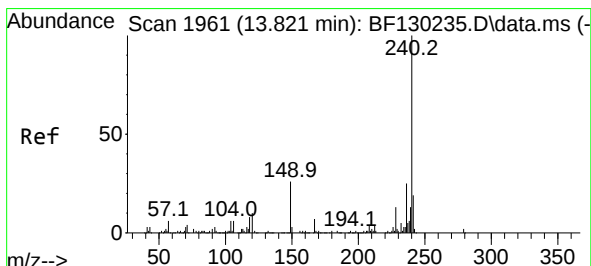
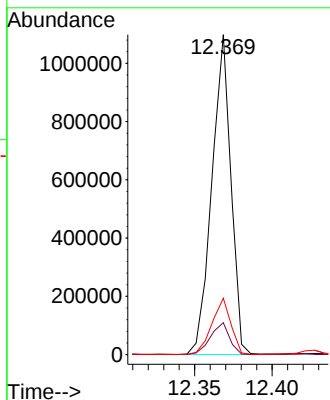
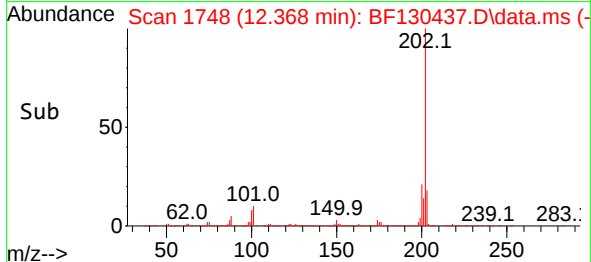
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)



Tgt Ion:202 Resp: 941836
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.8
203 17.6 0.0 37.8

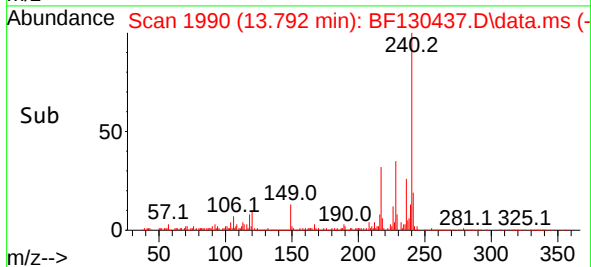
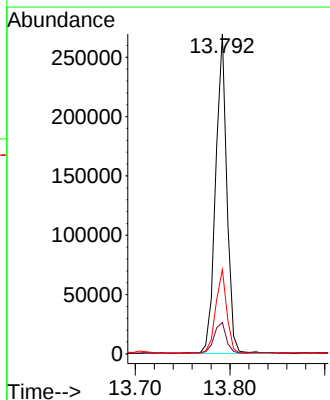
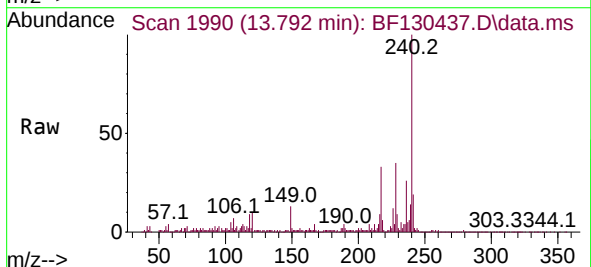
Manual Integrations
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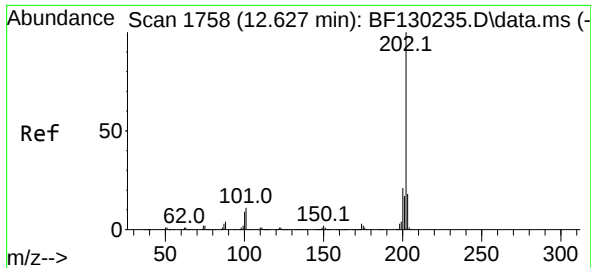
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.792 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

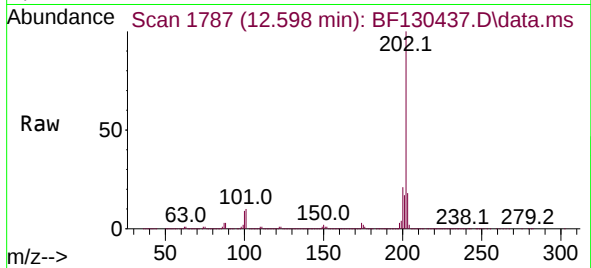
Tgt Ion:240 Resp: 222530
Ion Ratio Lower Upper
240 100
120 9.8 8.7 13.1
236 26.4 20.9 31.3





#78
Pyrene
Concen: 43.161 ng
RT: 12.598 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

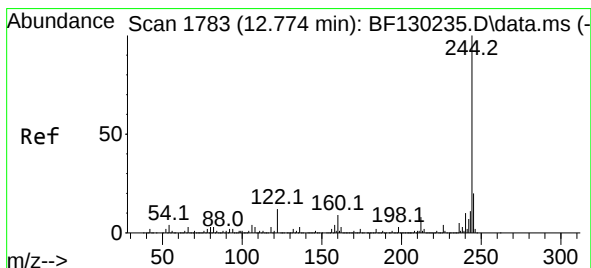
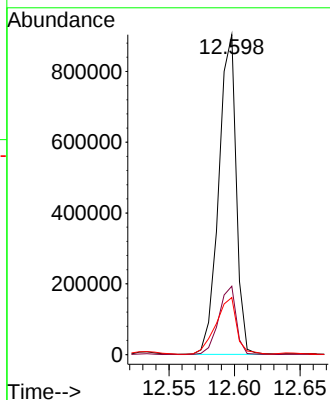
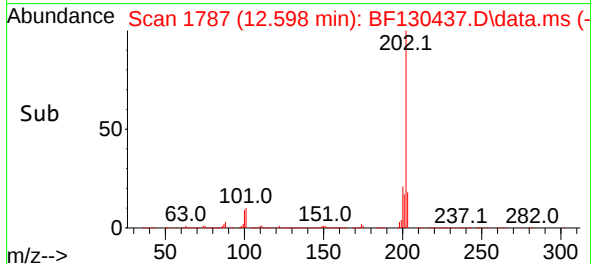
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)



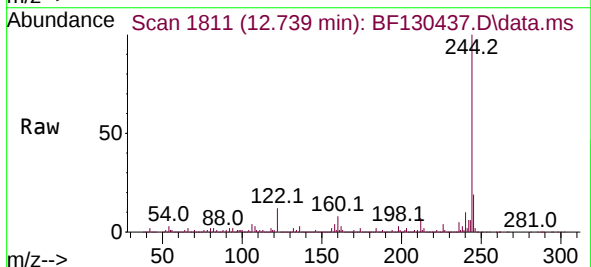
Tgt Ion:202 Resp: 840207
Ion Ratio Lower Upper
202 100
200 21.4 17.2 25.8
203 17.9 14.3 21.5

Manual Integrations
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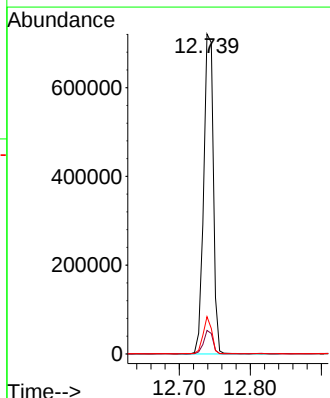
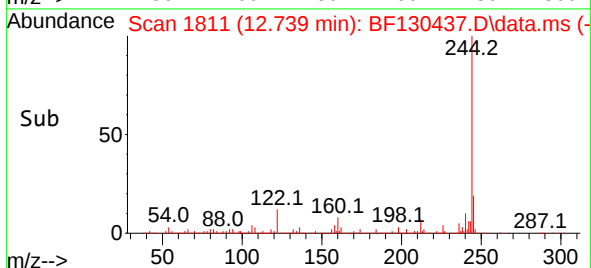
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022

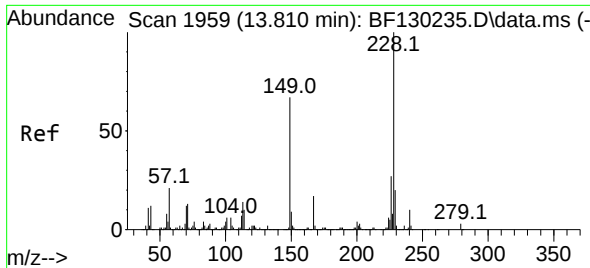


#79
Terphenyl-d14
Concen: 50.079 ng
RT: 12.739 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05



Tgt Ion:244 Resp: 672750
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 11.6 8.5 12.7





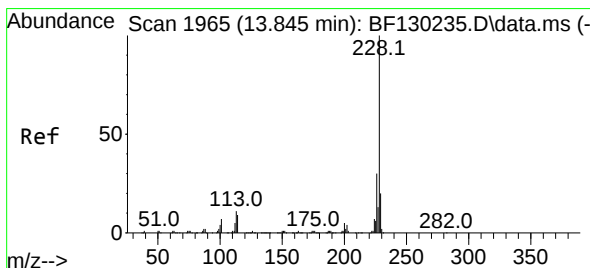
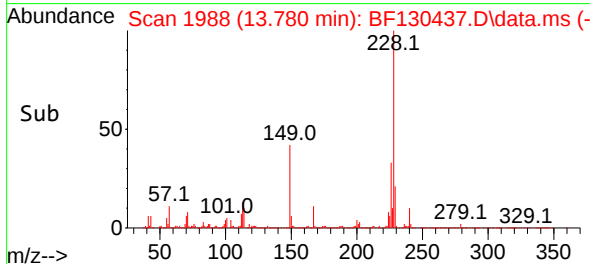
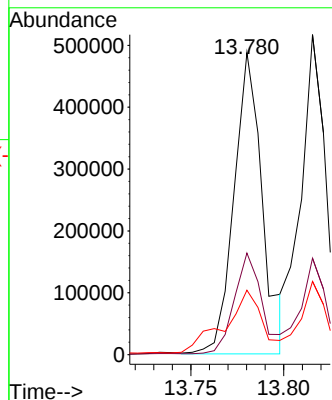
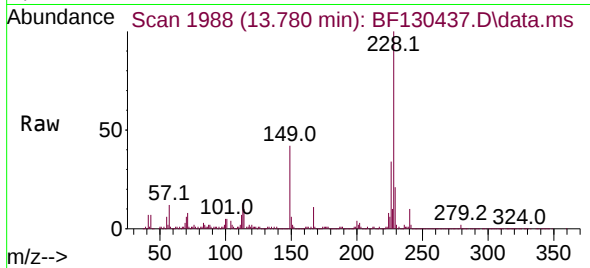
#81
Benzo(a)anthracene
Concen: 34.849 ng m
RT: 13.780 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

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

Tgt Ion:228 Resp: 515893
Ion Ratio Lower Upper
228 100
226 33.6 21.9 32.9
229 21.3 16.1 24.1

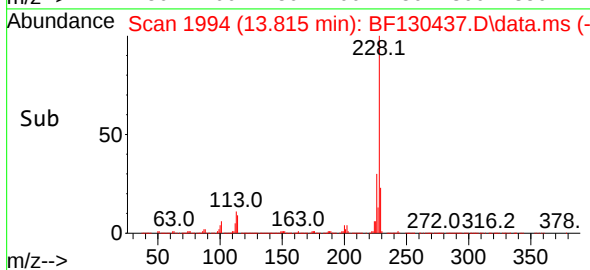
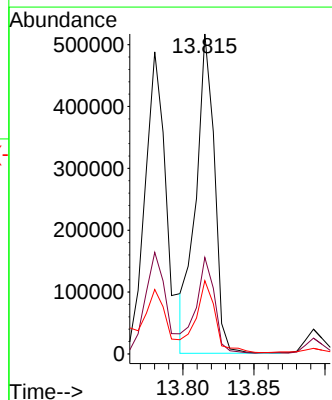
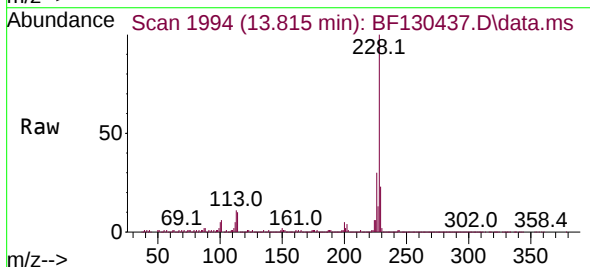
Manual Integrations
APPROVED

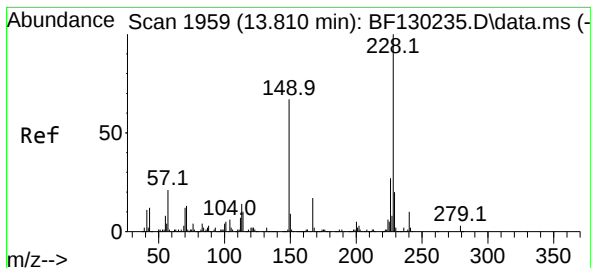
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022



#83
Chrysene
Concen: 33.396 ng
RT: 13.815 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

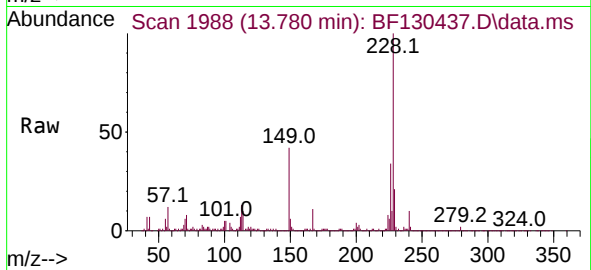
Tgt Ion:228 Resp: 469421
Ion Ratio Lower Upper
228 100
226 30.1 23.8 35.8
229 22.9 15.3 22.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 21.582 ng
RT: 13.780 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

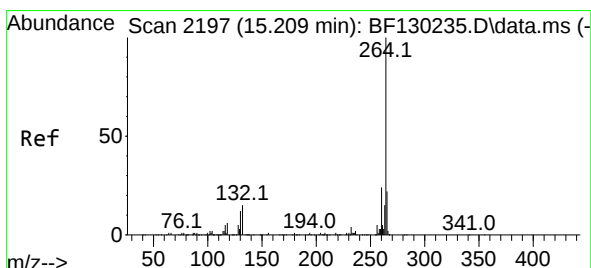
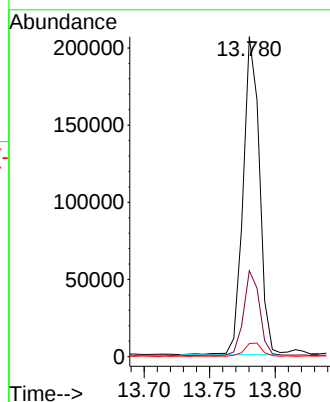
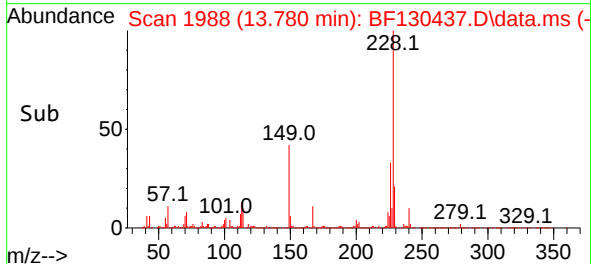
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)



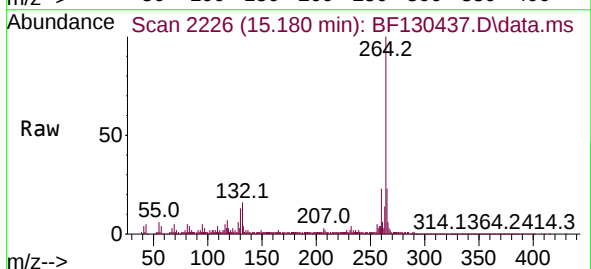
Tgt Ion:149 Resp: 178280
Ion Ratio Lower Upper
149 100
167 26.8 20.5 30.7
279 4.1 2.9 4.3

Manual Integrations
APPROVED

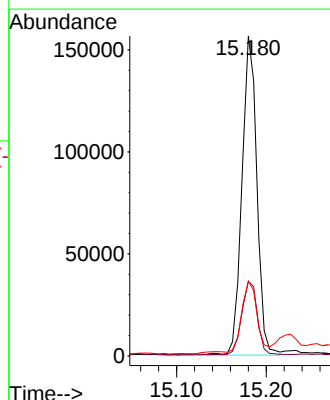
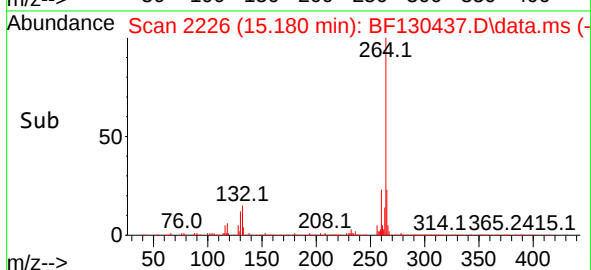
Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022

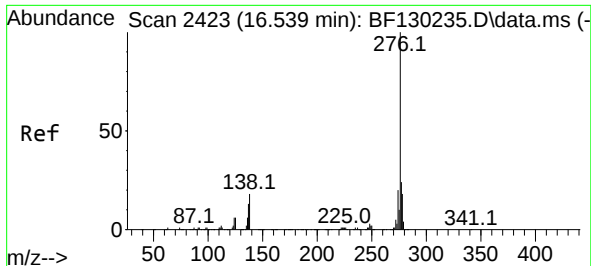


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.180 min Scan# 2226
Delta R.T. 0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05



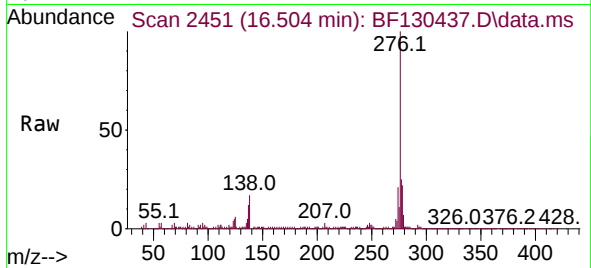
Tgt Ion:264 Resp: 180410
Ion Ratio Lower Upper
264 100
260 23.3 19.3 28.9
265 23.4 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 20.993 ng m
RT: 16.504 min Scan# 2423
Delta R.T. 0.006 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

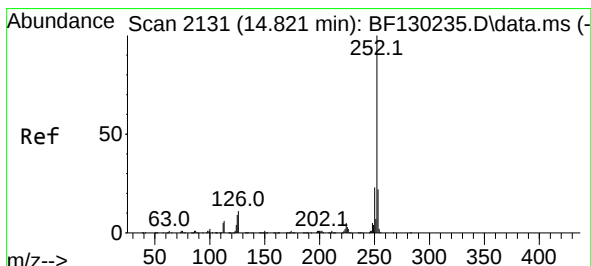
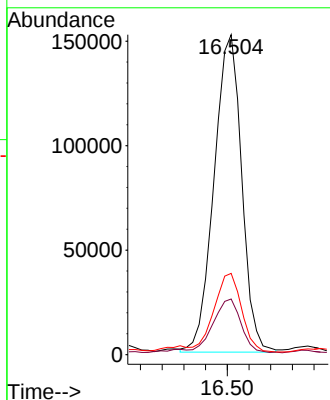
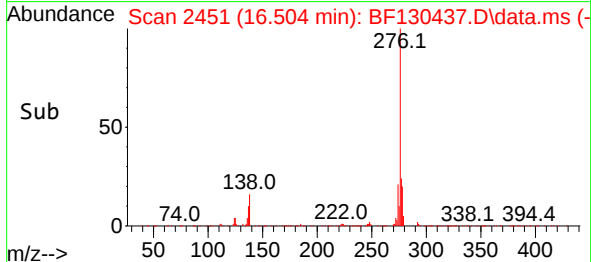
Instrument :
BNA_F
ClientSampleId :
SASP2-T-1-(0-6)



Tgt Ion: 276 Resp: 268580
Ion Ratio Lower Upper
276 100
138 3.6 18.5 27.7
277 4.7 20.2 30.4

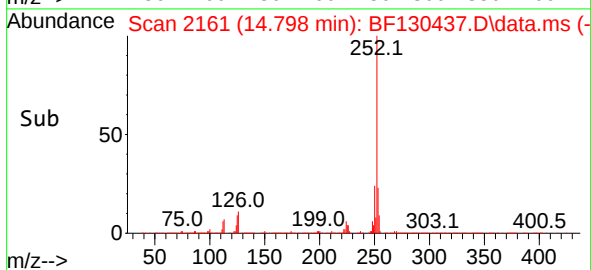
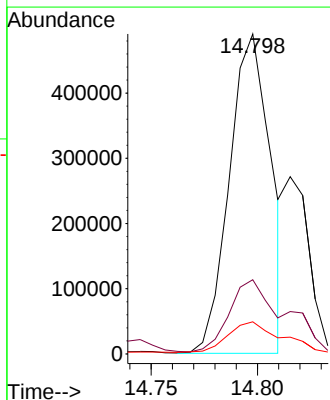
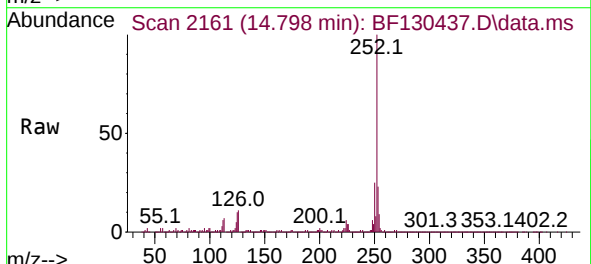
Manual Integrations
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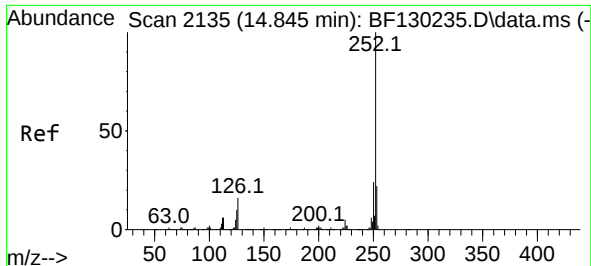
Reviewed By : Christian Giraldo 09/28/2022
Supervised By : Jagrut Upadhyay 09/28/2022



#88
Benzo(b)fluoranthene
Concen: 56.059 ng m
RT: 14.798 min Scan# 2161
Delta R.T. 0.012 min
Lab File: BF130437.D
Acq: 27 Sep 2022 22:05

Tgt Ion: 252 Resp: 660110
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 10.0 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 18.752 ng m

RT: 14.815 min Scan# 2135

Delta R.T. -0.000 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

Instrument :

BNA_F

ClientSampleId :

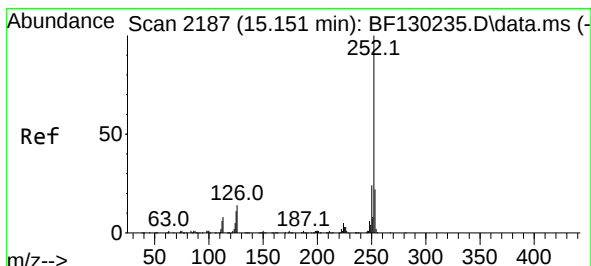
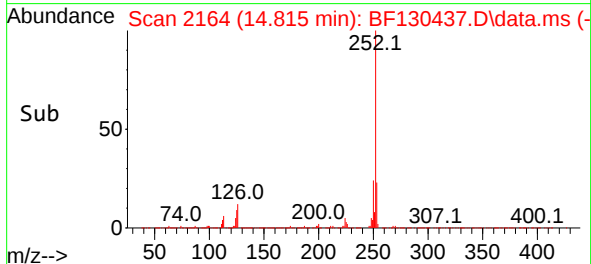
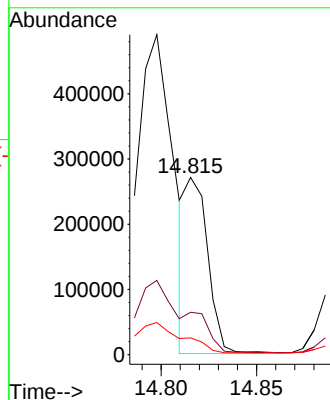
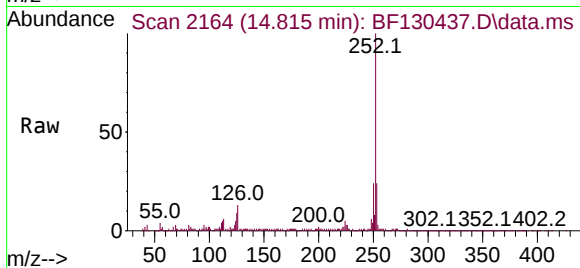
SASP2-T-1-(0-6)

Tgt Ion:252	Resp:	217212
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.4 26.2
125	9.4	7.9 11.9

Manual Integrations

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Reviewed By :Christian Giraldo 09/28/2022
Supervised By :Jagrut Upadhyay 09/28/2022



#90

Benzo(a)pyrene

Concen: 43.838 ng

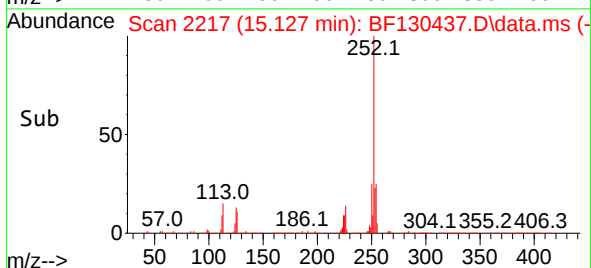
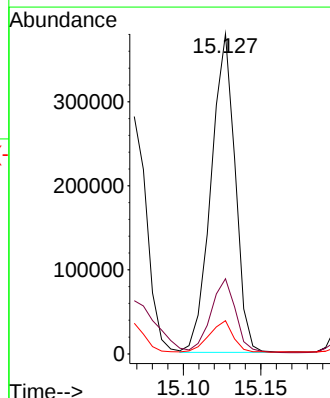
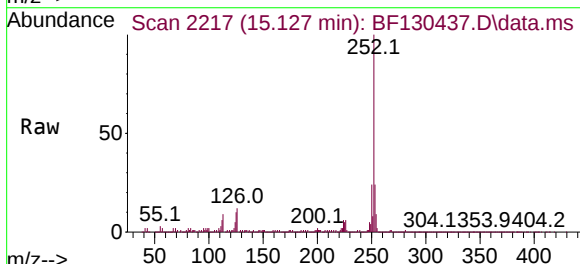
RT: 15.127 min Scan# 2217

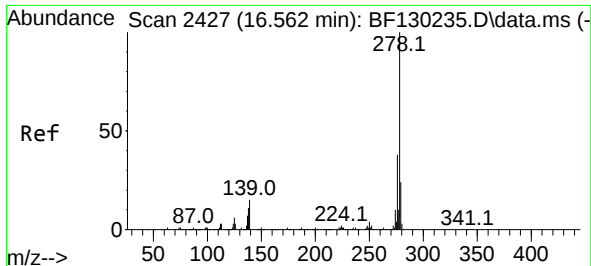
Delta R.T. 0.012 min

Lab File: BF130437.D

Acq: 27 Sep 2022 22:05

Tgt Ion:252	Resp:	408961
Ion Ratio	Lower	Upper
252	100	
253	23.5	17.8 26.6
125	10.4	9.0 13.6





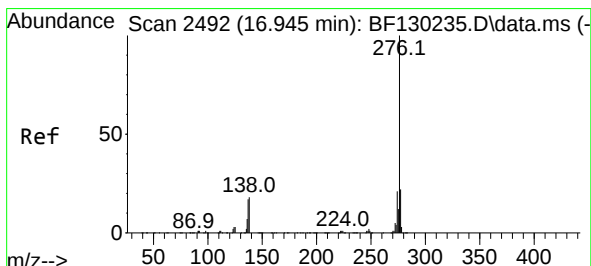
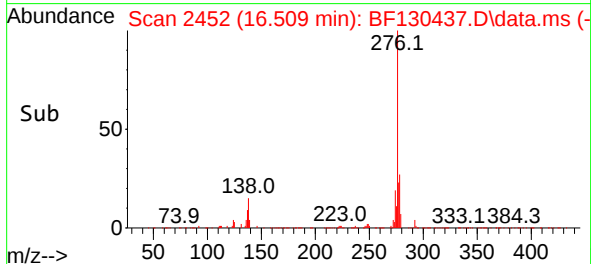
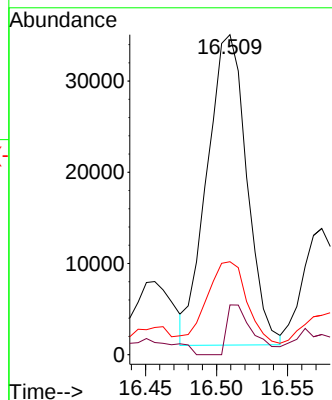
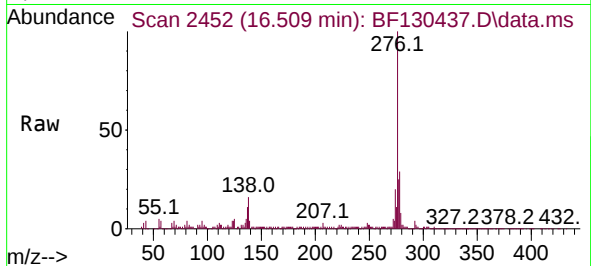
#91
 Dibenzo(a,h)anthracene
 Concen: 6.316 ng
 RT: 16.509 min Scan# 2427
 Delta R.T. -0.000 min
 Lab File: BF130437.D
 Acq: 27 Sep 2022 22:05

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

Tgt Ion:278 Resp: 66290
 Ion Ratio Lower Upper
 278 100
 139 15.5 11.8 17.8
 279 29.0 19.4 29.0

Manual Integrations
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Reviewed By :Christian Giraldo 09/28/2022
 Supervised By :Jagrut Upadhyay 09/28/2022



#92
 Benzo(g,h,i)perylene
 Concen: 24.654 ng
 RT: 16.898 min Scan# 2518
 Delta R.T. 0.006 min
 Lab File: BF130437.D
 Acq: 27 Sep 2022 22:05

Tgt Ion:276 Resp: 260654
 Ion Ratio Lower Upper
 276 100
 277 23.0 18.6 27.8
 138 18.5 14.6 21.8

