

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082522\
 Data File : BF130002.D
 Acq On : 25 Aug 2022 16:36
 Operator : CG\JU
 Sample : N4205-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/26/2022
 Supervised By : Jagrut Upadhyay 08/26/2022

Quant Time: Aug 26 00:59:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 14:45:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	93744	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	345988	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	159884	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	224326	20.000	ng	0.00
76) Chrysene-d12	13.927	240	221449	20.000	ng	0.00
86) Perylene-d12	15.374	264	247169	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	512847	90.579	ng	0.00
7) Phenol-d6	6.416	99	626771	88.399	ng	0.00
23) Nitrobenzene-d5	7.322	82	404007	62.509	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	111596	69.544	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	691030	65.644	ng	0.00
79) Terphenyl-d14	12.863	244	597908	44.926	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.304	178	66889	5.339	ng	99
75) Fluoranthene	12.498	202	109430	8.536	ng	98
78) Pyrene	12.727	202	101114	5.254	ng	99
81) Benzo(a)anthracene	13.915	228	60783	3.990	ng	99
83) Chrysene	13.957	228	53694	3.765	ng	94
87) Indeno(1,2,3-cd)pyrene	16.827	276	34980	2.061	ng	# 92
88) Benzo(b)fluoranthene	14.962	252	83614m	4.940	ng	
90) Benzo(a)pyrene	15.321	252	58225	4.369	ng	96
92) Benzo(g,h,i)perylene	17.274	276	32483	2.326	ng	97

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

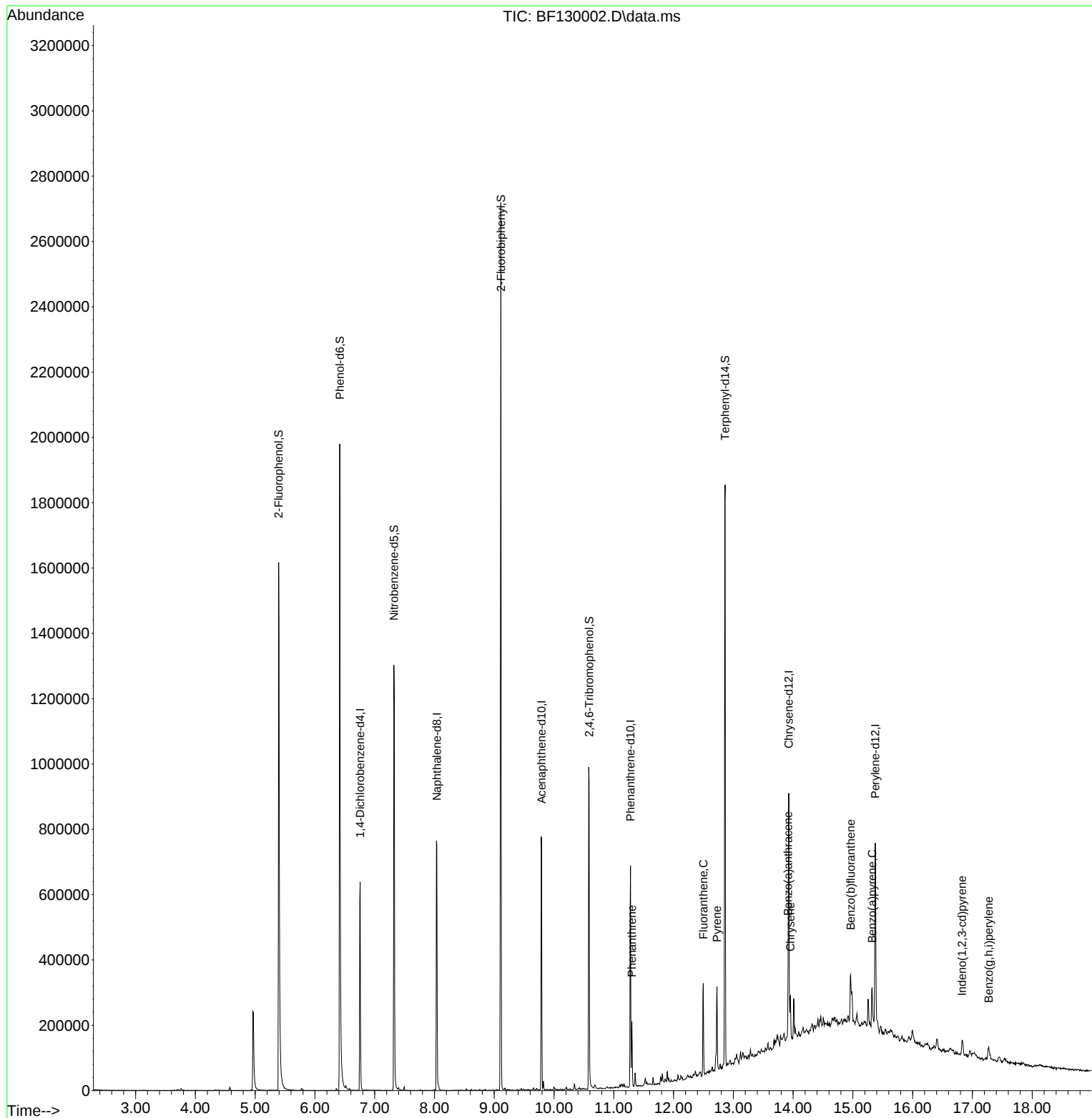
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082522\
Data File : BF130002.D
Acq On : 25 Aug 2022 16:36
Operator : CG\JU
Sample : N4205-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

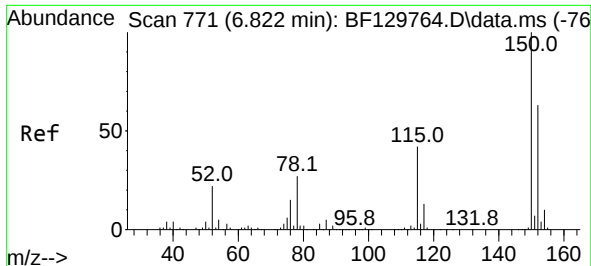
Instrument :
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Quant Time: Aug 26 00:59:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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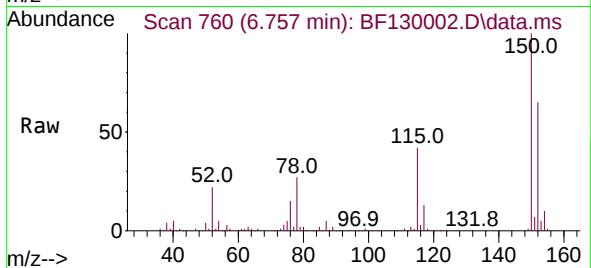
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

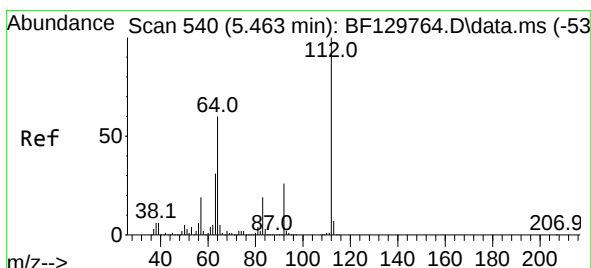
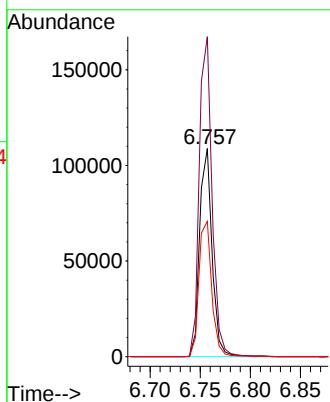
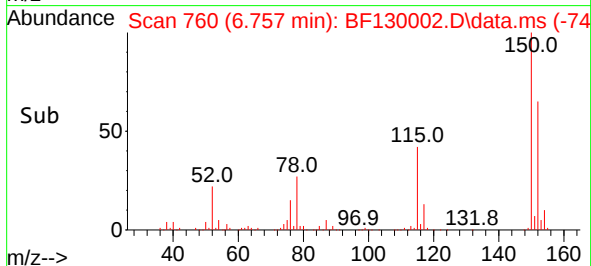
Instrument :
BNA_F
ClientSampleId :
SS-4



Tgt Ion:152 Resp: 93744
Ion Ratio Lower Upper
152 100
150 153.8 126.9 190.3
115 65.0 53.4 80.0

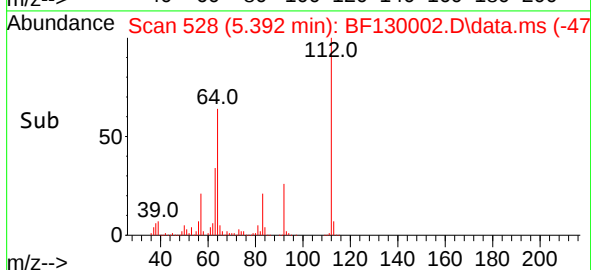
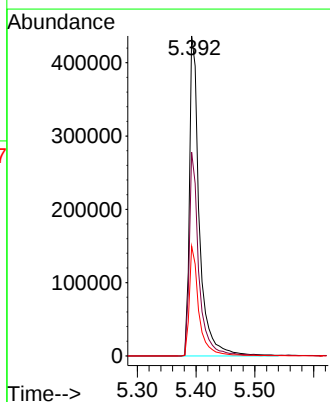
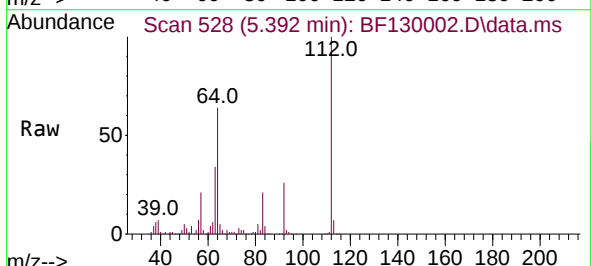
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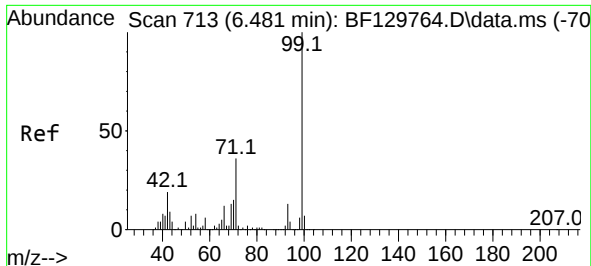
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#5
2-Fluorophenol
Concen: 90.579 ng
RT: 5.392 min Scan# 528
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

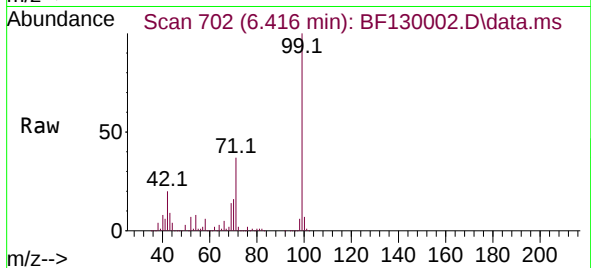
Tgt Ion:112 Resp: 512847
Ion Ratio Lower Upper
112 100
64 63.7 47.6 71.4
63 34.3 24.6 37.0





#7
Phenol-d6
Concen: 88.399 ng
RT: 6.416 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

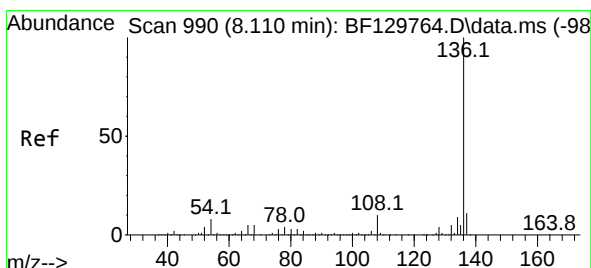
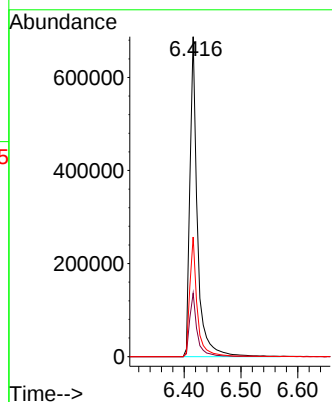
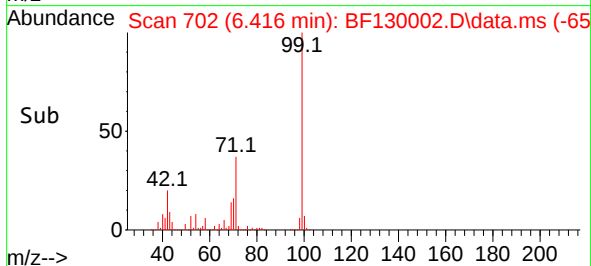
Instrument :
BNA_F
ClientSampleId :
SS-4



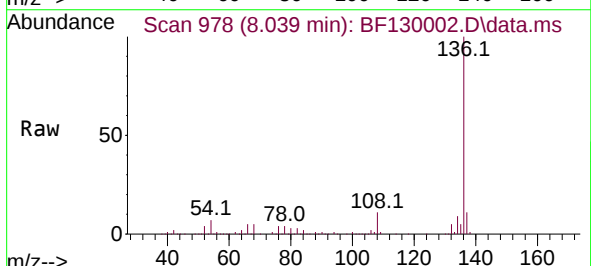
Tgt Ion: 99 Resp: 62677
Ion Ratio Lower Upper
99 100
42 19.8 15.0 22.4
71 37.4 28.8 43.2

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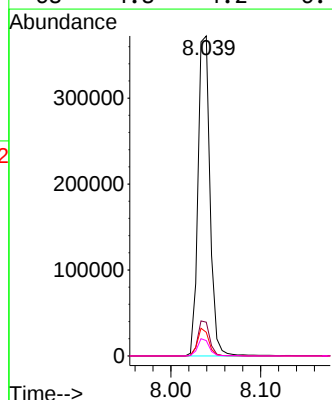
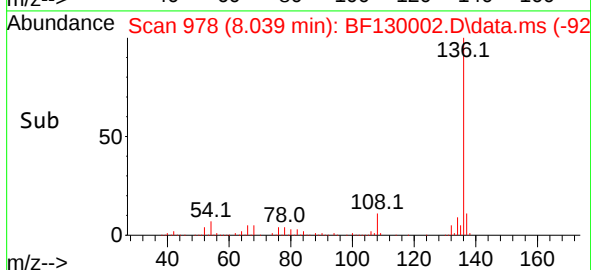
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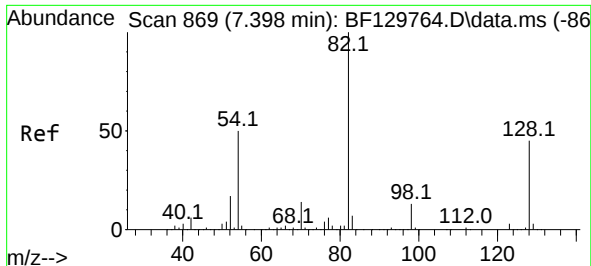


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 978
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36



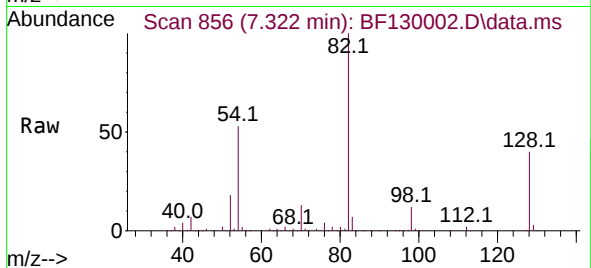
Tgt Ion:136 Resp: 345988
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.4 6.2 9.2
68 4.8 4.2 6.4





#23
Nitrobenzene-d5
Concen: 62.509 ng
RT: 7.322 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

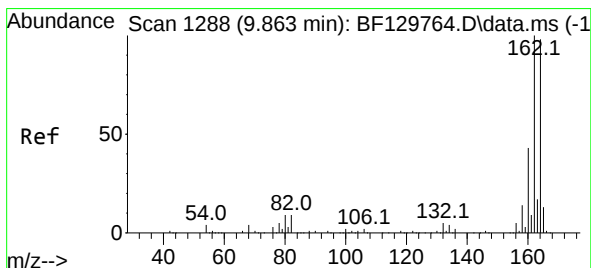
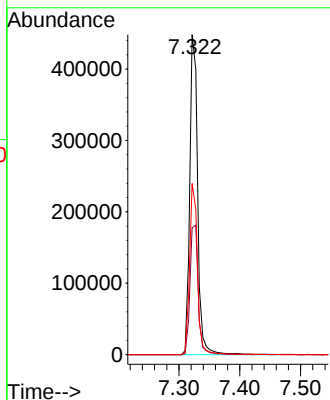
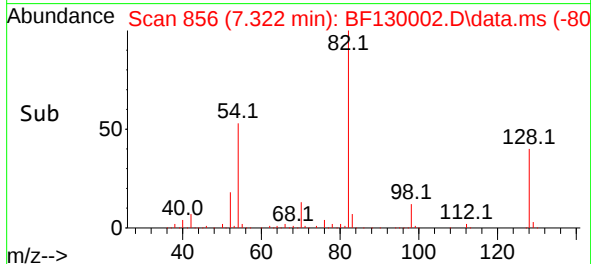
Instrument :
BNA_F
ClientSampleId :
SS-4



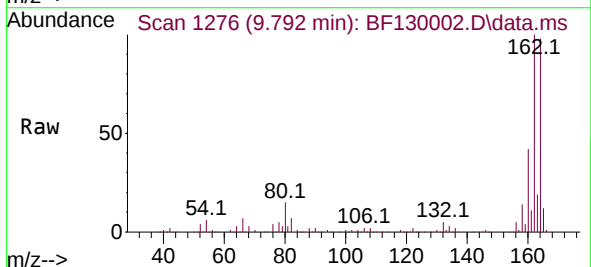
Tgt Ion: 82 Resp: 404007
Ion Ratio Lower Upper
82 100
128 39.6 36.1 54.1
54 53.5 40.0 60.0

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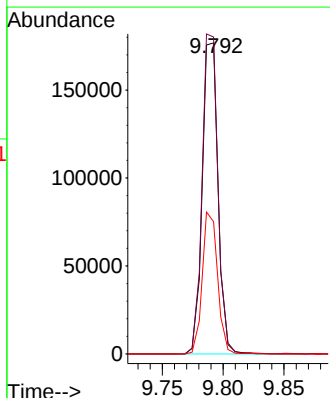
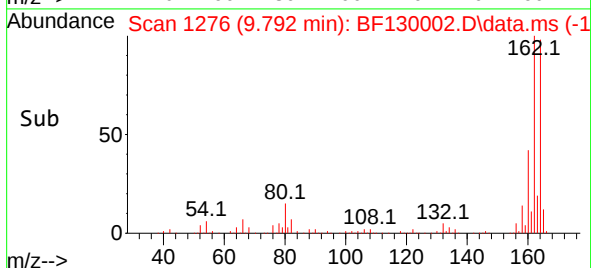
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022

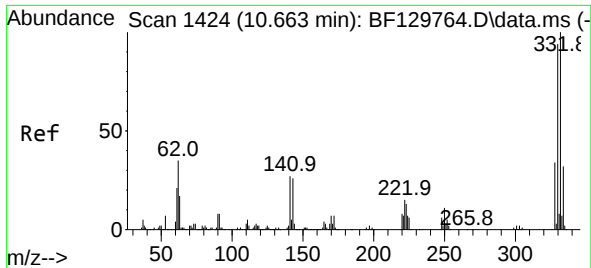


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1276
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36



Tgt Ion:164 Resp: 159884
Ion Ratio Lower Upper
164 100
162 101.9 82.0 123.0
160 42.5 35.4 53.0





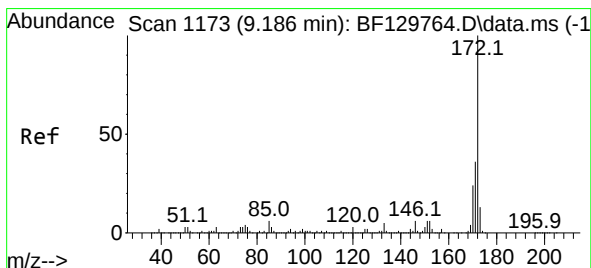
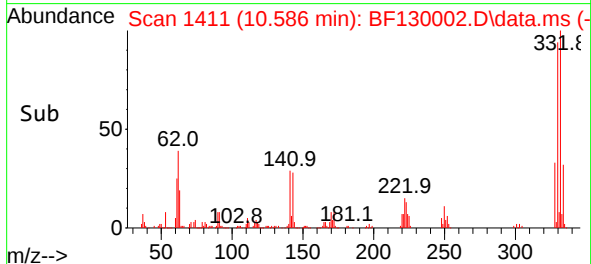
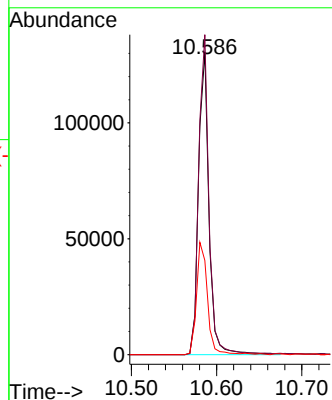
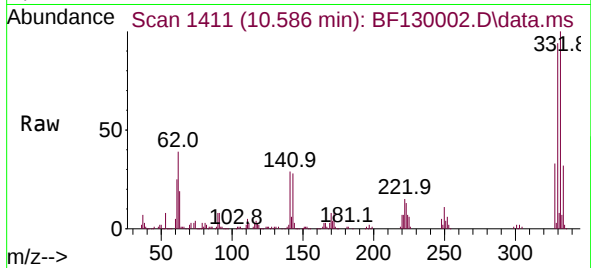
#42
2,4,6-Tribromophenol
Concen: 69.544 ng
RT: 10.586 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

Instrument :
BNA_F
ClientSampleId :
SS-4

Tgt Ion: 330 Resp: 111596
Ion Ratio Lower Upper
330 100
332 104.0 82.6 124.0
141 39.0 27.6 41.4

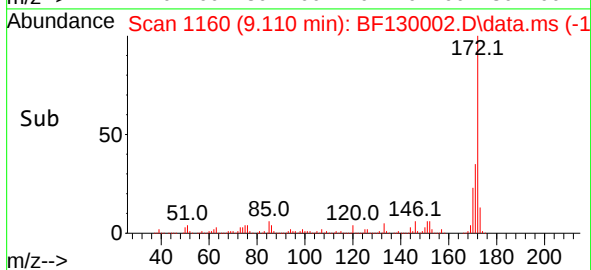
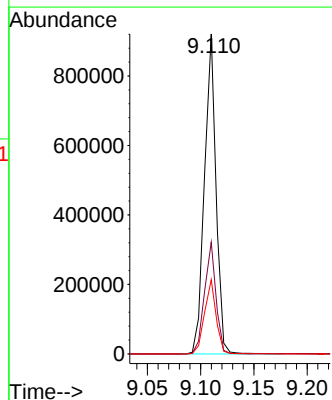
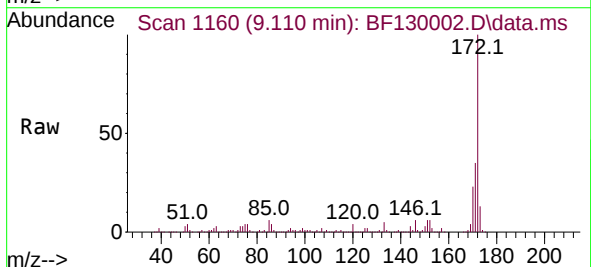
Manual Integrations
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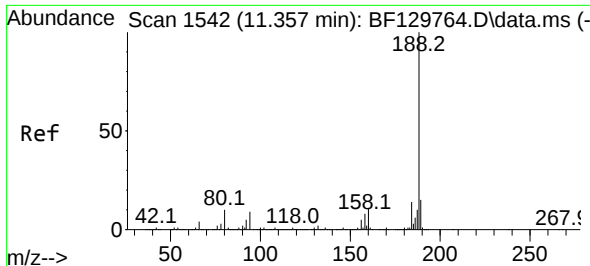
Reviewed By : Christian Giraldo 08/26/2022
Supervised By : Jagrut Upadhyay 08/26/2022



#45
2-Fluorobiphenyl
Concen: 65.644 ng
RT: 9.110 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

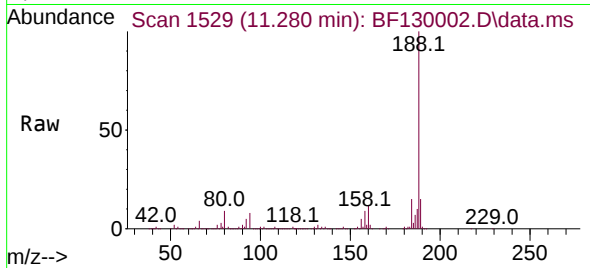
Tgt Ion: 172 Resp: 691030
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.2 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1532
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

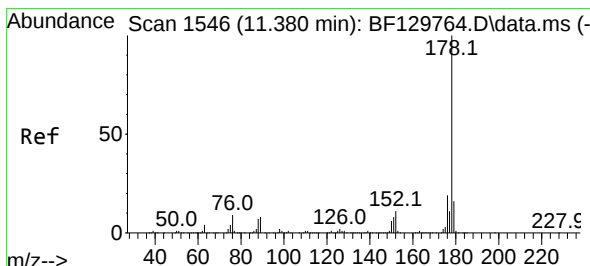
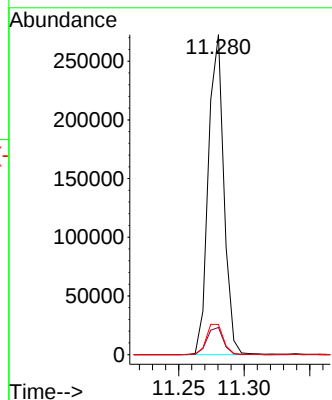
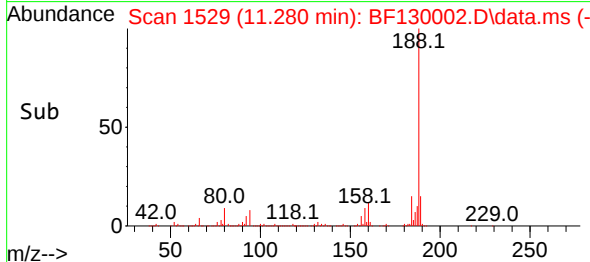
Instrument :
BNA_F
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SS-4



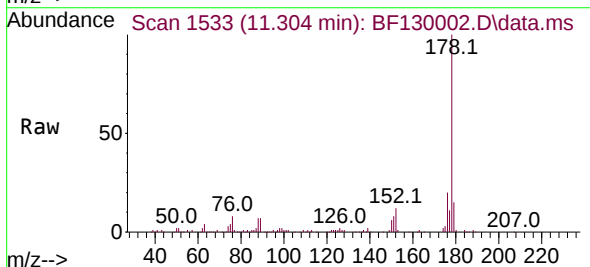
Tgt Ion:188 Resp: 224326
Ion Ratio Lower Upper
188 100
94 8.5 7.4 11.2
80 9.4 7.9 11.9

Manual Integrations
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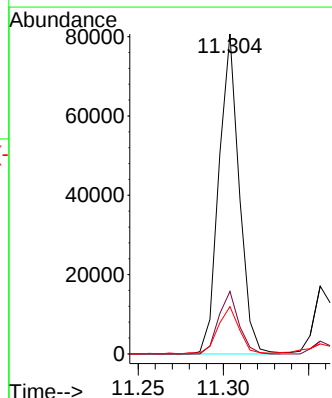
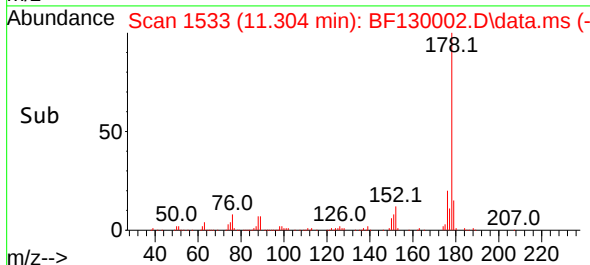
Reviewed By :Christian Giraldo 08/26/2022
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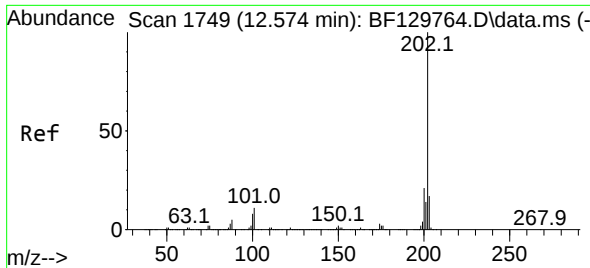


#71
Phenanthrene
Concen: 5.339 ng
RT: 11.304 min Scan# 1533
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36



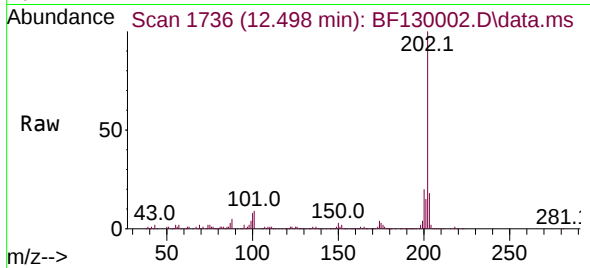
Tgt Ion:178 Resp: 66889
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 14.8 12.5 18.7





#75
Fluoranthene
Concen: 8.536 ng
RT: 12.498 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

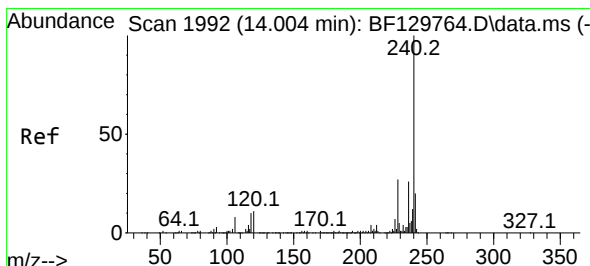
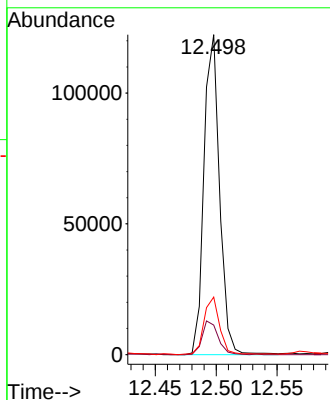
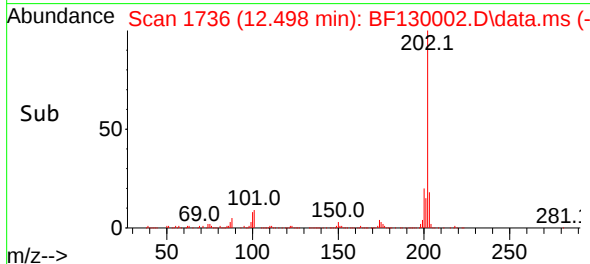
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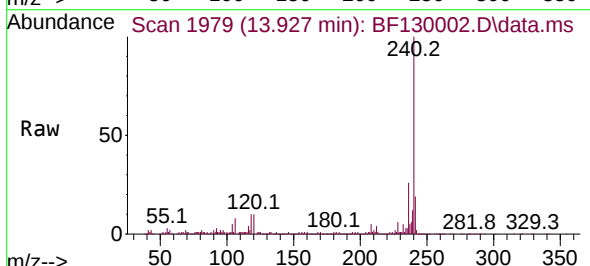
Tgt Ion:202 Resp: 109430
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.7
203 18.0 0.0 37.5

Manual Integrations
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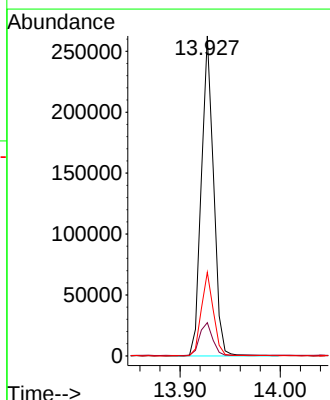
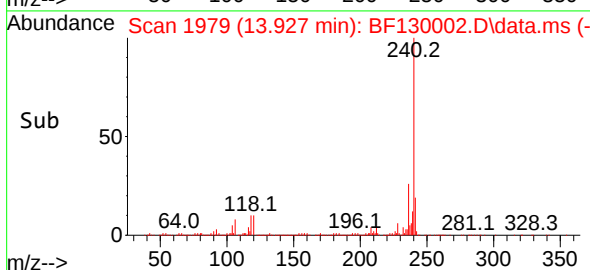
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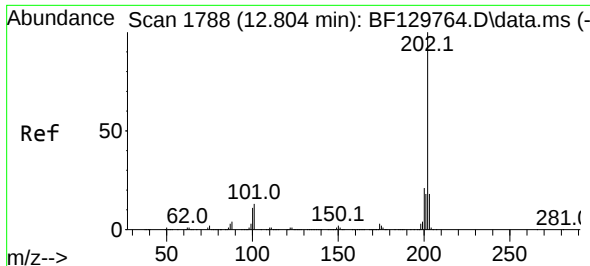


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 1979
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36



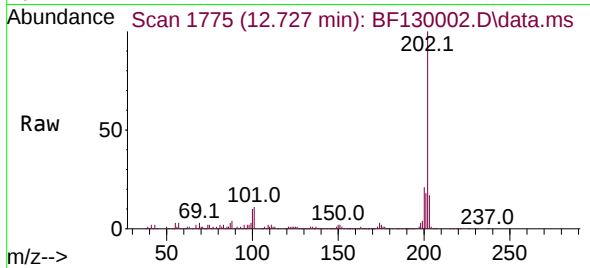
Tgt Ion:240 Resp: 221449
Ion Ratio Lower Upper
240 100
120 10.4 9.2 13.8
236 26.1 20.7 31.1





#78
Pyrene
Concen: 5.254 ng
RT: 12.727 min Scan# 1775
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

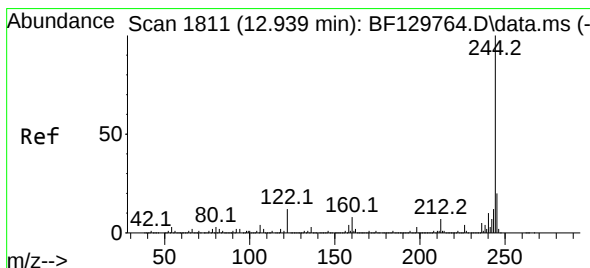
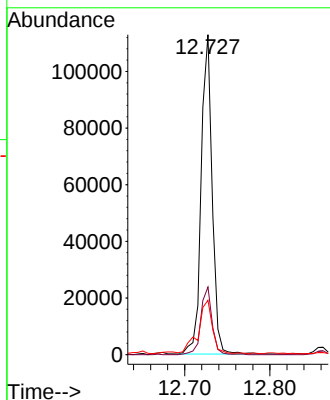
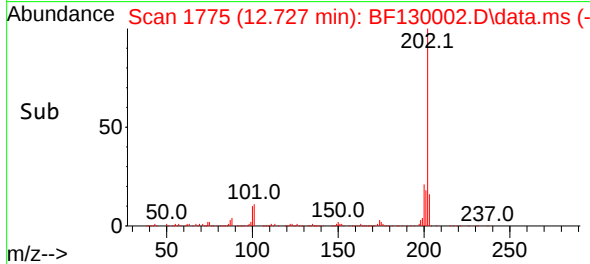
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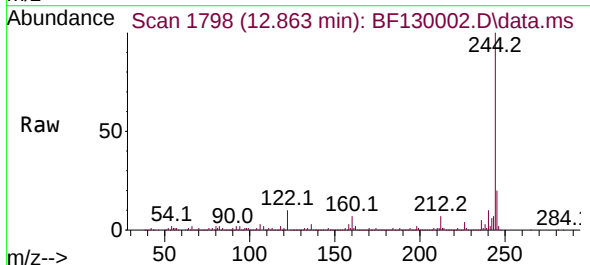
Tgt Ion:202 Resp: 101114
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.6
203 17.0 14.1 21.1

Manual Integrations
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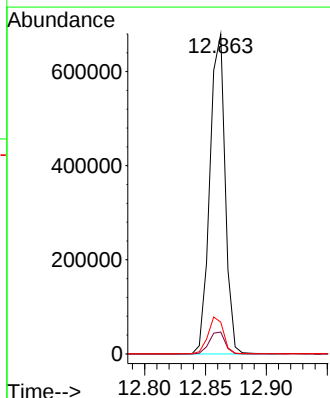
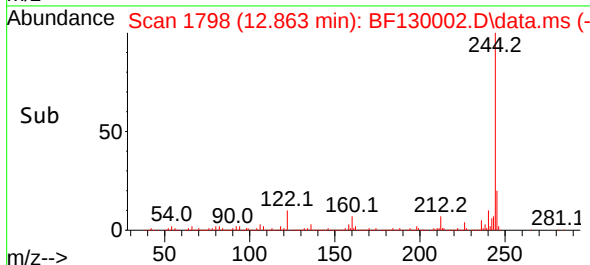
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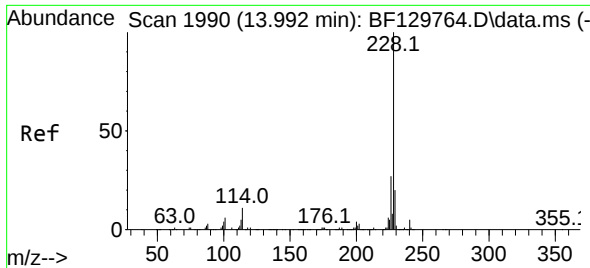


#79
Terphenyl-d14
Concen: 44.926 ng
RT: 12.863 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36



Tgt Ion:244 Resp: 597908
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 9.9 9.9 14.9





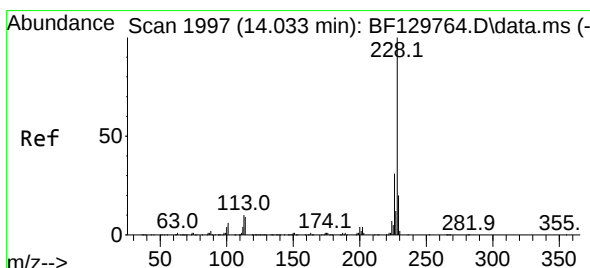
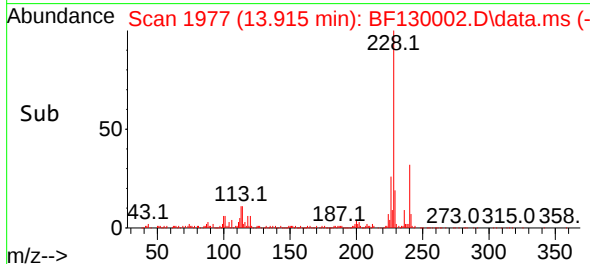
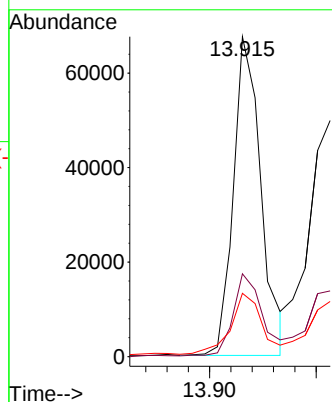
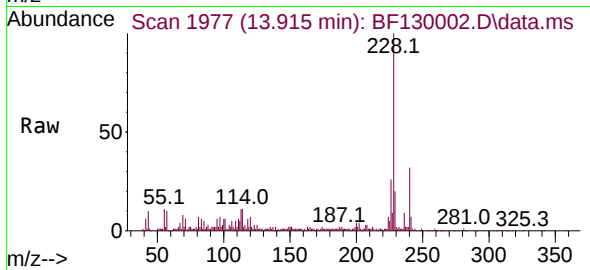
#81
Benzo(a)anthracene
Concen: 3.990 ng
RT: 13.915 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

Instrument :
BNA_F
ClientSampleId :
SS-4

Tgt Ion:228 Resp: 60783
Ion Ratio Lower Upper
228 100
226 25.9 21.4 32.0
229 19.8 16.1 24.1

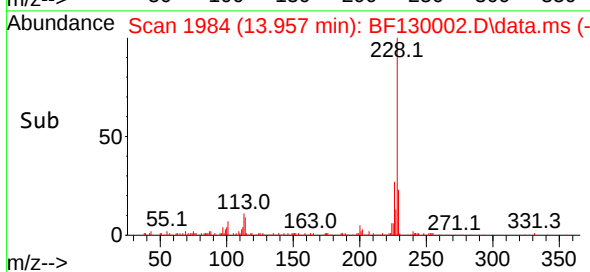
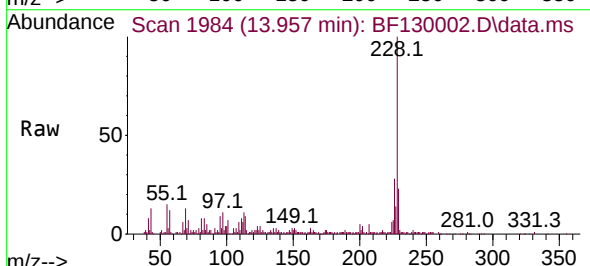
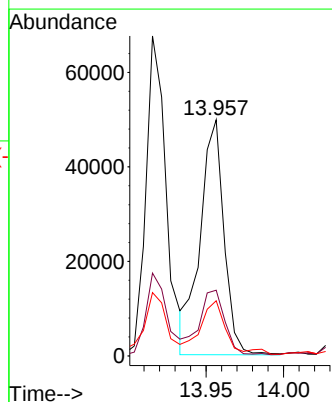
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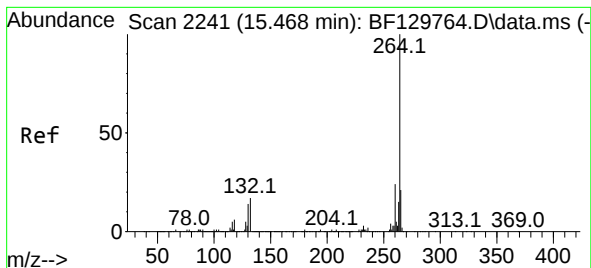
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#83
Chrysene
Concen: 3.765 ng
RT: 13.957 min Scan# 1984
Delta R.T. 0.006 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

Tgt Ion:228 Resp: 53694
Ion Ratio Lower Upper
228 100
226 27.8 24.4 36.6
229 23.3 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.374 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

Instrument :

BNA_F

ClientSampleId :

SS-4

Tgt Ion:264 Resp: 247169

Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

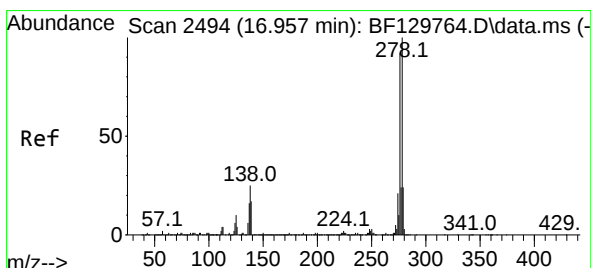
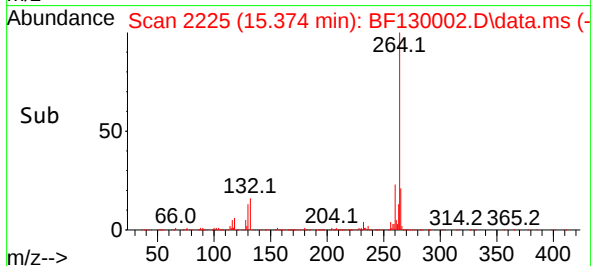
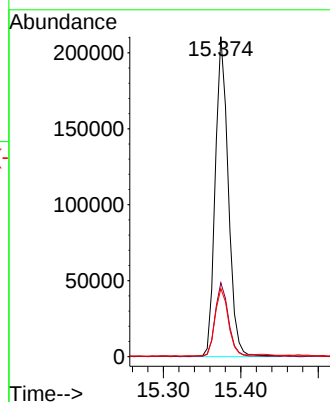
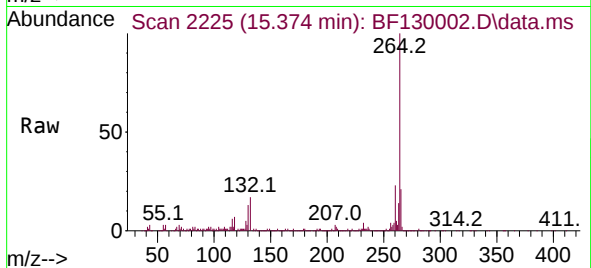
265 21.2 16.7 25.1

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Reviewed By :Christian Giraldo 08/26/2022

Supervised By :Jagrut Upadhyay 08/26/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.061 ng

RT: 16.827 min Scan# 2472

Delta R.T. 0.012 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

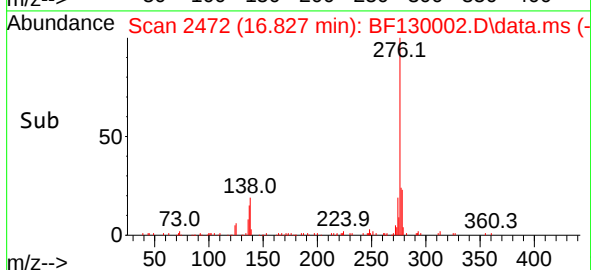
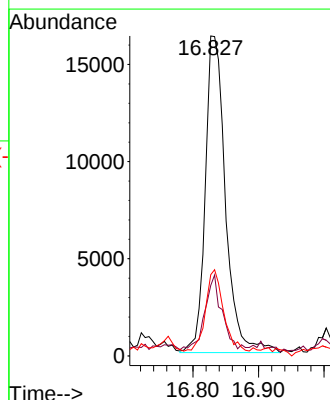
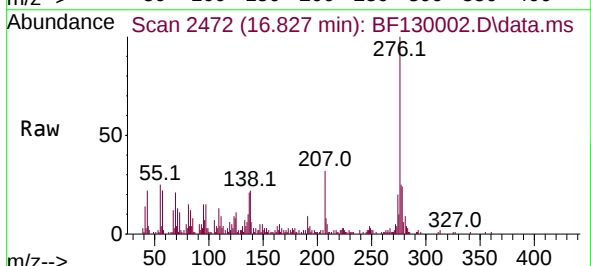
Tgt Ion:276 Resp: 34980

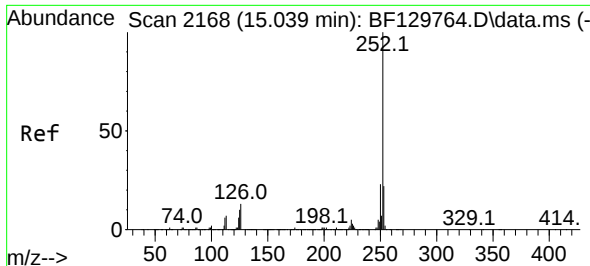
Ion Ratio Lower Upper

276 100

138 19.7 19.8 29.8#

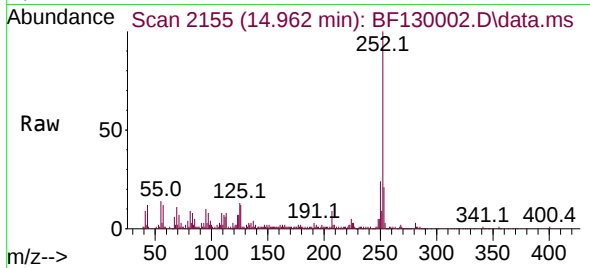
277 23.0 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 4.940 ng m
RT: 14.962 min Scan# 2168
Delta R.T. 0.012 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

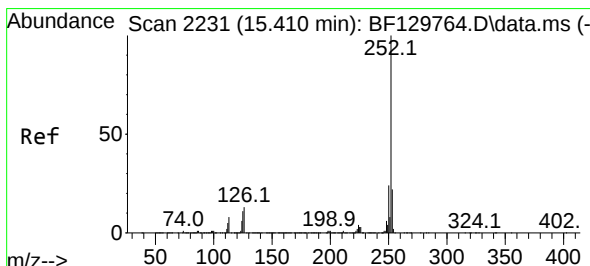
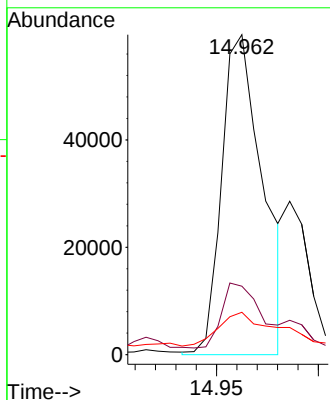
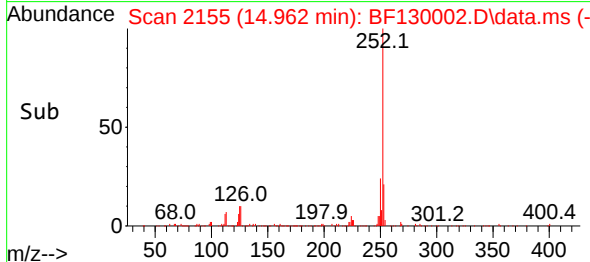
Instrument :
BNA_F
ClientSampleId :
SS-4



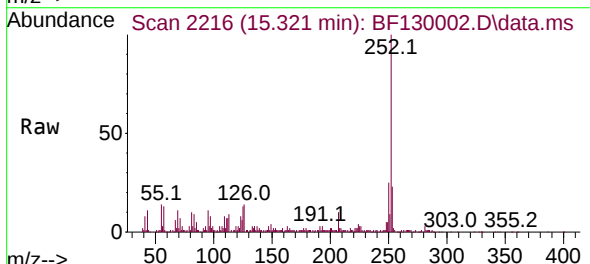
Tgt Ion:252 Resp: 83614
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 13.2 8.3 12.5

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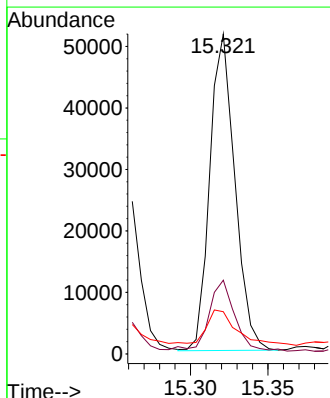
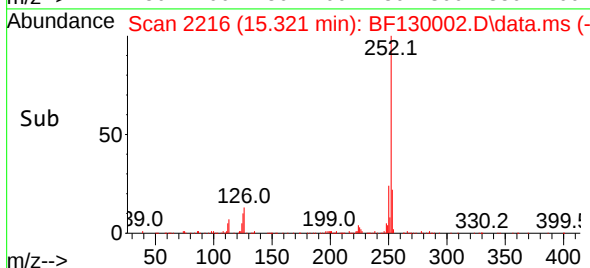
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022

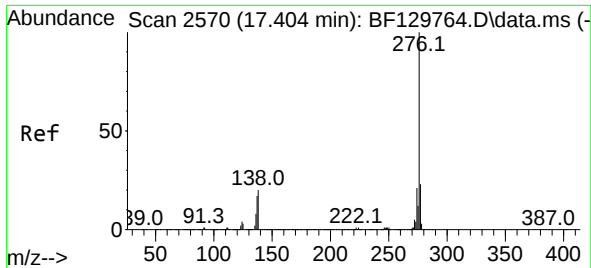


#90
Benzo(a)pyrene
Concen: 4.369 ng
RT: 15.321 min Scan# 2216
Delta R.T. 0.012 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36



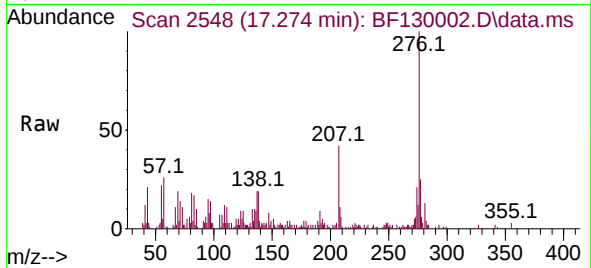
Tgt Ion:252 Resp: 58225
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 13.2 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.326 ng
 RT: 17.274 min Scan# 2548
 Delta R.T. 0.029 min
 Lab File: BF130002.D
 Acq: 25 Aug 2022 16:36

Instrument :
 BNA_F
 ClientSampleId :
 SS-4



Tgt Ion: 276 Resp: 32483
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.2 27.4
 138 19.2 15.8 23.8

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Reviewed By : Christian Giraldo 08/26/2022
 Supervised By : Jagrut Upadhyay 08/26/2022

