

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
 Data File : BF130910.D
 Acq On : 01 Nov 2022 20:32
 Operator : CG\JU
 Sample : N5235-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSP-SS-01-00-20

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/02/2022
 Supervised By : Jagrut Upadhyay 11/02/2022

Quant Time: Nov 02 08:23:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 08:18:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	91074	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	305891	20.000	ng	# 0.00
39) Acenaphthene-d10	9.981	164	132355	20.000	ng	0.00
64) Phenanthrene-d10	11.475	188	210712	20.000	ng	0.00
76) Chrysene-d12	14.127	240	166375	20.000	ng	0.00
86) Perylene-d12	15.645	264	113196	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	263340	50.127	ng	0.00
7) Phenol-d6	6.551	99	317579	46.519	ng	0.00
23) Nitrobenzene-d5	7.492	82	204615	40.335	ng	-0.01
42) 2,4,6-Tribromophenol	10.769	330	56654	50.849	ng	-0.01
45) 2-Fluorobiphenyl	9.298	172	332030	37.928	ng	0.00
79) Terphenyl-d14	13.063	244	307605	33.880	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.839	152	25565	2.140	ng	98
75) Fluoranthene	12.692	202	53202	4.604	ng	98
78) Pyrene	12.922	202	95079	6.774	ng	97
81) Benzo(a)anthracene	14.116	228	39793	3.607	ng	# 74
83) Chrysene	14.151	228	48353	4.544	ng	96
87) Indeno(1,2,3-cd)pyrene	17.186	276	20498	2.727	ng	98
88) Benzo(b)fluoranthene	15.192	252	42810m	5.850	ng	
90) Benzo(a)pyrene	15.574	252	33766	5.740	ng	# 88
92) Benzo(g,h,i)perylene	17.656	276	28219	4.514	ng	96

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

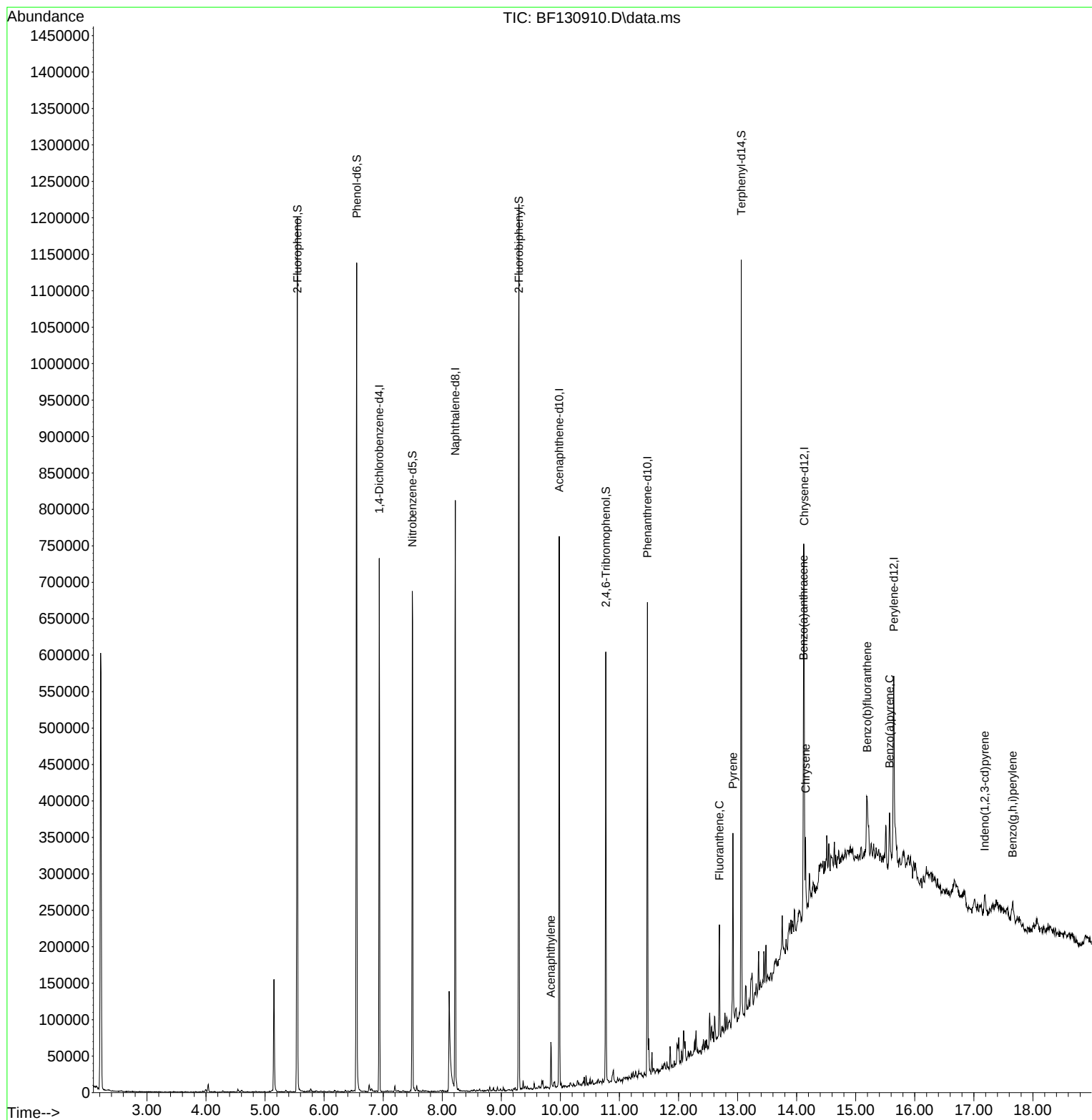
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130910.D
Acq On : 01 Nov 2022 20:32
Operator : CG\JU
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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APPROVED

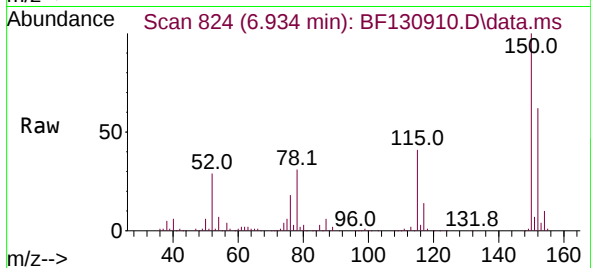
Reviewed By : Christian Giraldo 11/02/2022
Supervised By : Jagrut Upadhyay 11/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32

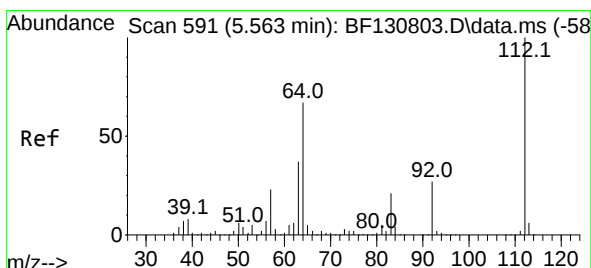
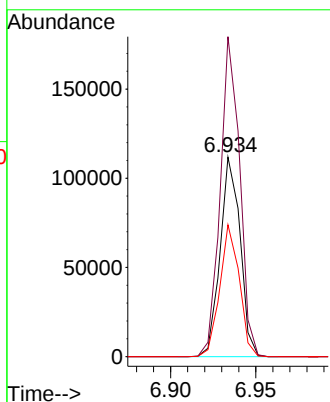
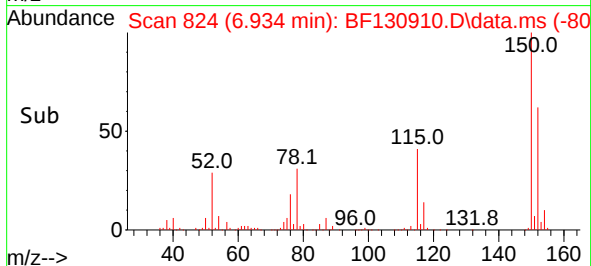
Instrument :
BNA_F
ClientSampleId :
LSP-SS-01-00-20



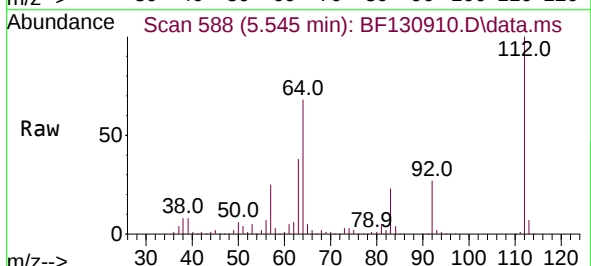
Tgt Ion:152 Resp: 91074
Ion Ratio Lower Upper
152 100
150 160.4 124.1 186.1
115 66.1 50.1 75.1

Manual Integrations
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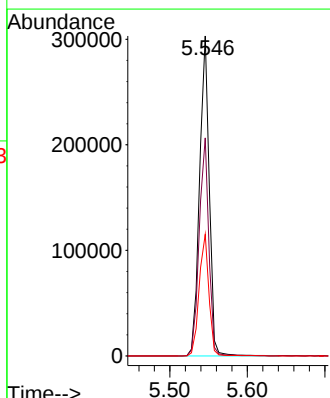
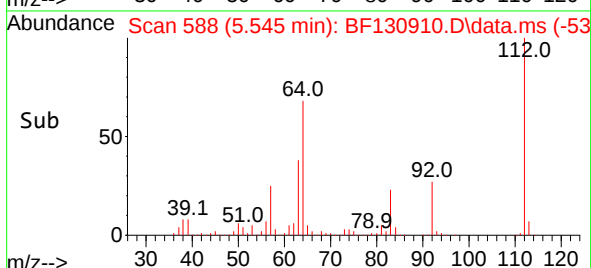
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#5
2-Fluorophenol
Concen: 50.127 ng
RT: 5.545 min Scan# 588
Delta R.T. -0.006 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32



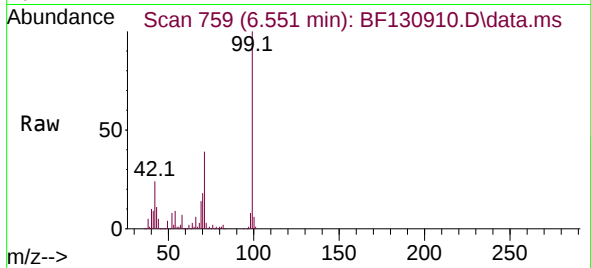
Tgt Ion:112 Resp: 263340
Ion Ratio Lower Upper
112 100
64 68.1 53.9 80.9
63 38.0 29.4 44.2





#7
Phenol-d6
Concen: 46.519 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32

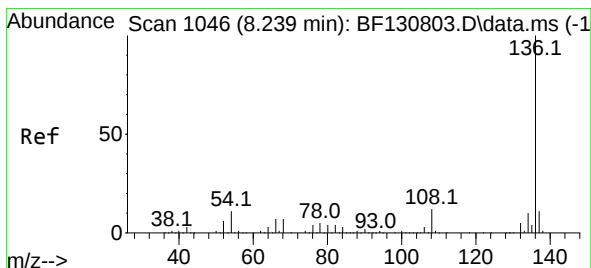
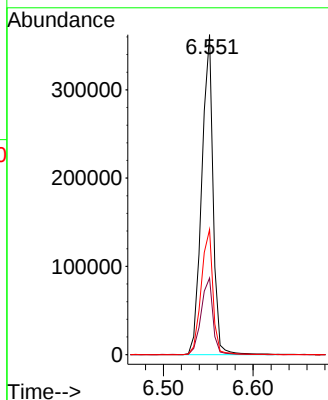
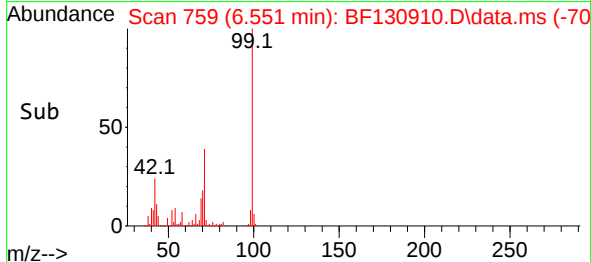
Instrument :
BNA_F
ClientSampleId :
LSP-SS-01-00-20



Tgt Ion: 99 Resp: 317579
Ion Ratio Lower Upper
99 100
42 23.9 18.8 28.2
71 39.1 31.4 47.0

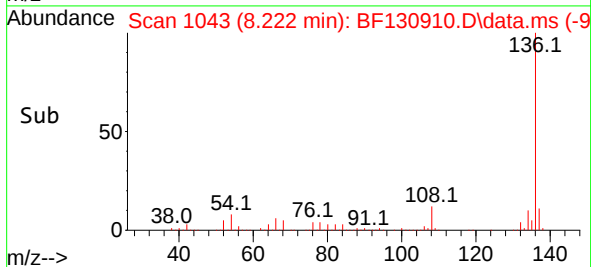
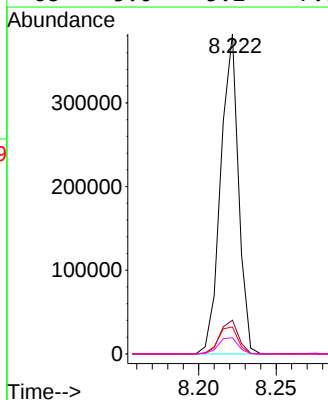
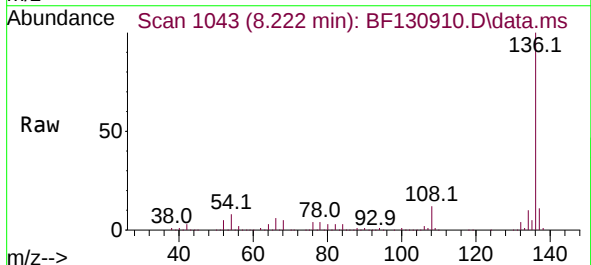
Manual Integrations
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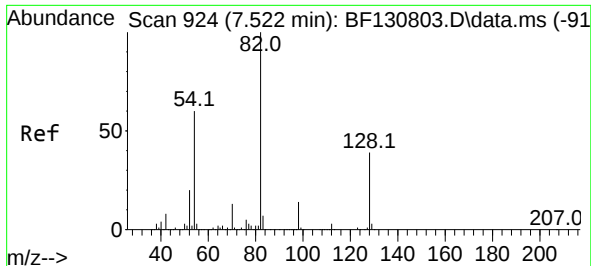
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32

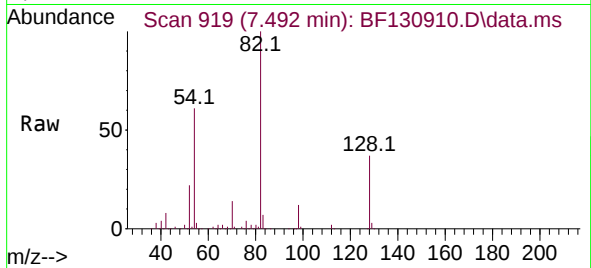
Tgt Ion:136 Resp: 305891
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 8.4 8.8 13.2#
68 5.0 5.2 7.8#





#23
Nitrobenzene-d5
Concen: 40.335 ng
RT: 7.492 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32

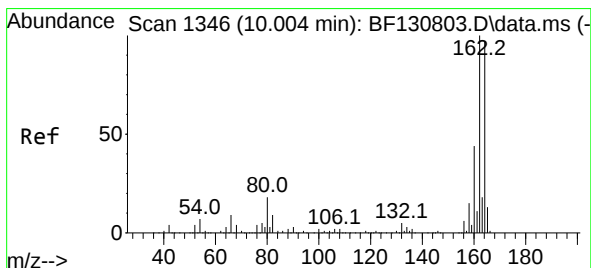
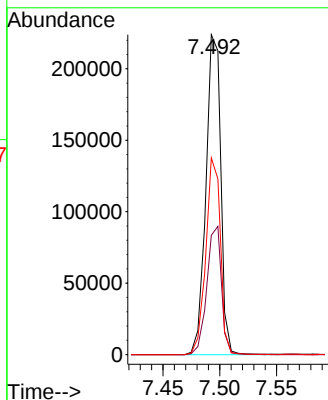
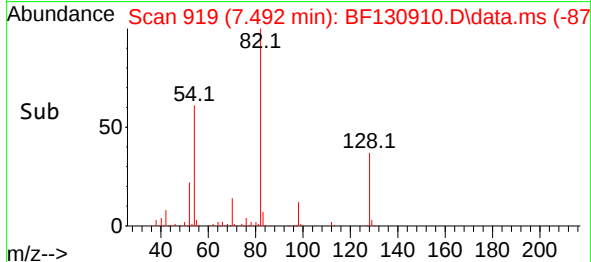
Instrument :
BNA_F
ClientSampleId :
LSP-SS-01-00-20



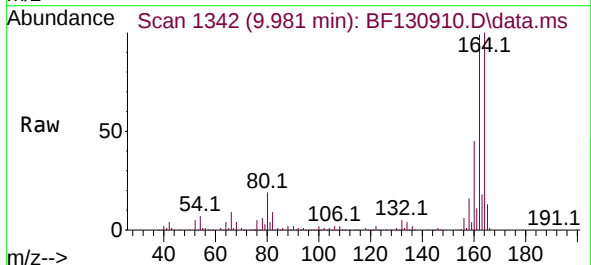
Tgt Ion: 82 Resp: 204615
Ion Ratio Lower Upper
82 100
128 37.3 31.2 46.8
54 61.5 48.0 72.0

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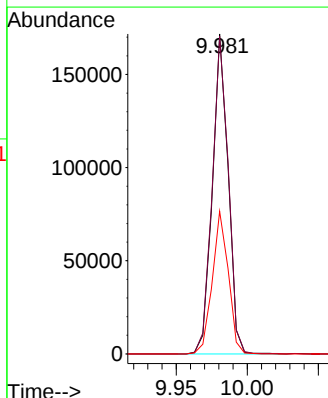
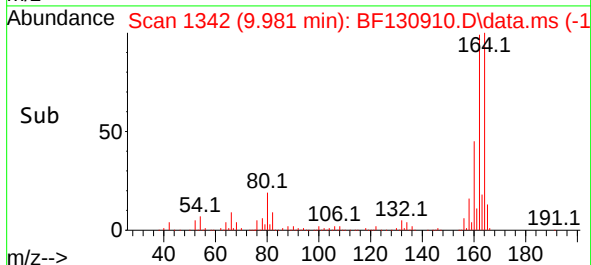
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022

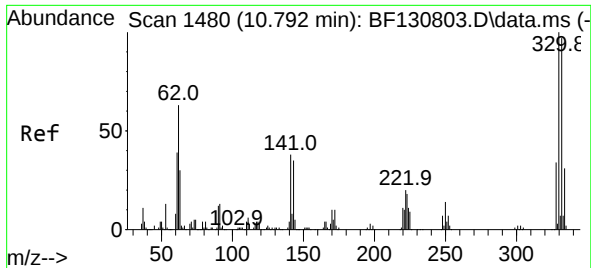


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.981 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32



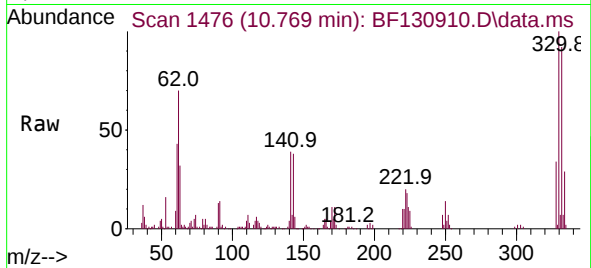
Tgt Ion:164 Resp: 132355
Ion Ratio Lower Upper
164 100
162 99.3 82.2 123.2
160 44.6 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 50.849 ng
RT: 10.769 min Scan# 1480
Delta R.T. -0.012 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32

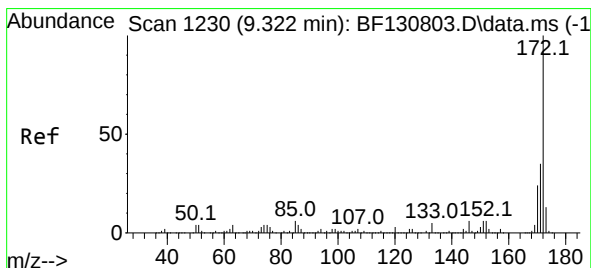
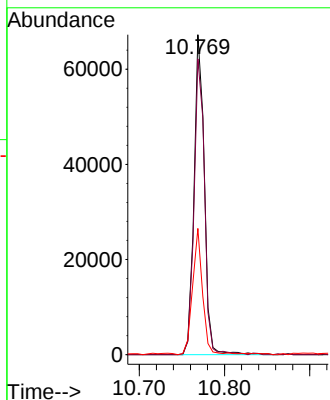
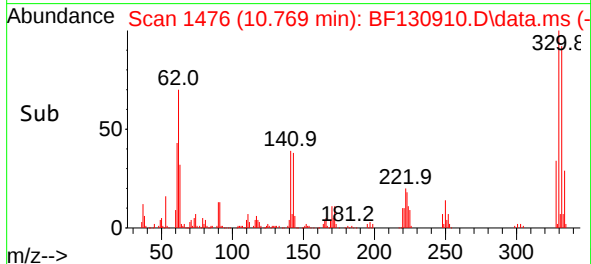
Instrument :
BNA_F
ClientSampleId :
LSP-SS-01-00-20



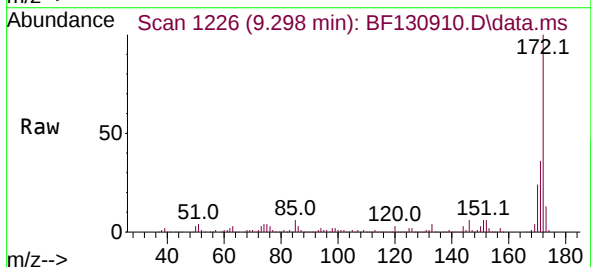
Tgt Ion: 330 Resp: 56654
Ion Ratio Lower Upper
330 100
332 94.0 76.2 114.4
141 38.2 31.4 47.0

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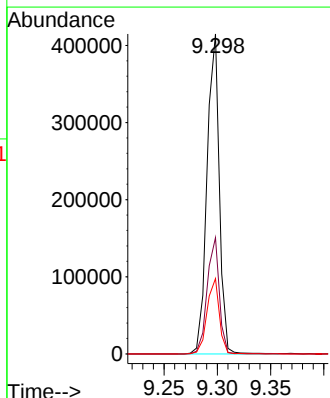
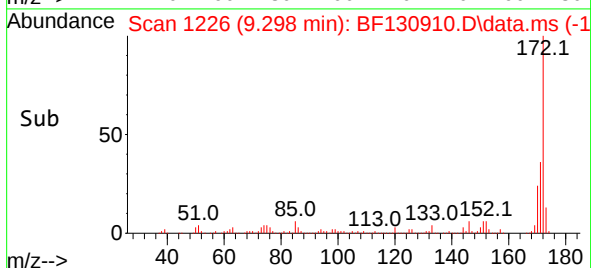
Reviewed By : Christian Giraldo 11/02/2022
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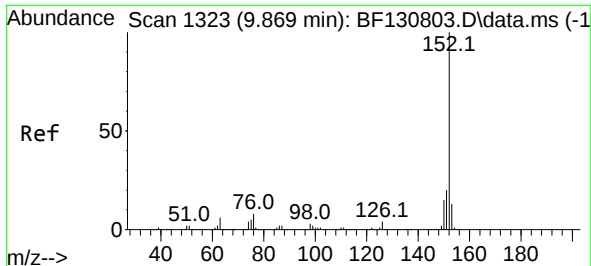


#45
2-Fluorobiphenyl
Concen: 37.928 ng
RT: 9.298 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32



Tgt Ion: 172 Resp: 332030
Ion Ratio Lower Upper
172 100
171 36.4 28.1 42.1
170 23.5 19.0 28.4





#49

Acenaphthylene

Concen: 2.140 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.012 min

Lab File: BF130910.D

Acq: 01 Nov 2022 20:32

Instrument :

BNA_F

ClientSampleId :

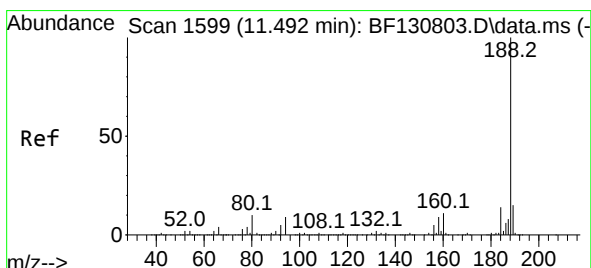
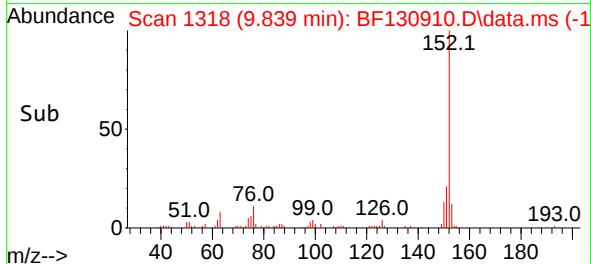
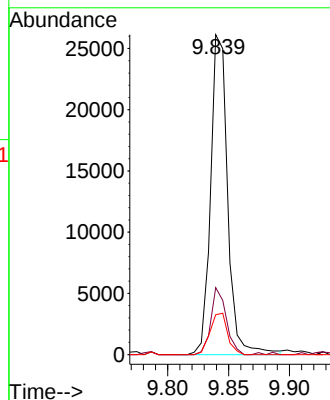
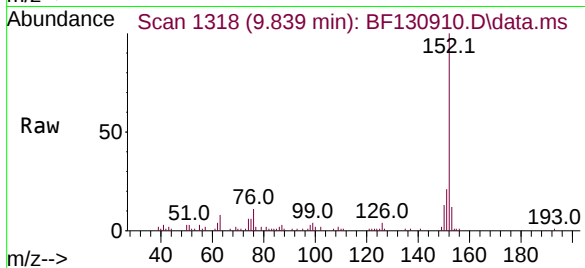
LSP-SS-01-00-20

Tgt Ion:	152	Resp:	2556
Ion Ratio	Lower	Upper	
152	100		
151	20.9	15.8	23.8
153	12.5	10.2	15.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

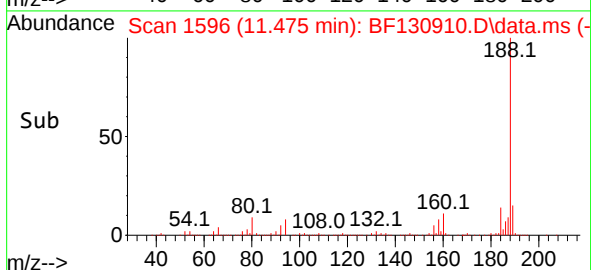
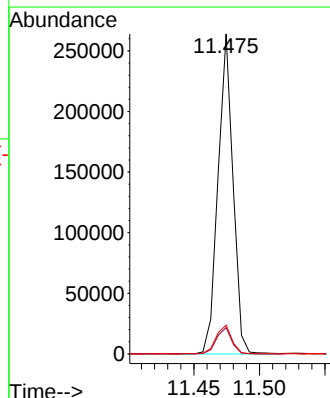
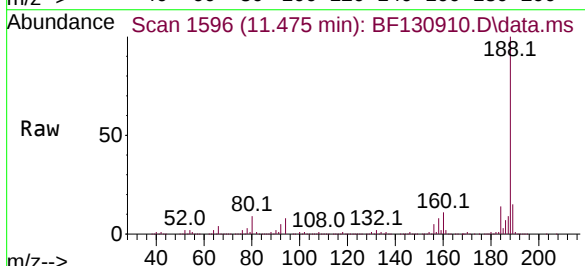
RT: 11.475 min Scan# 1596

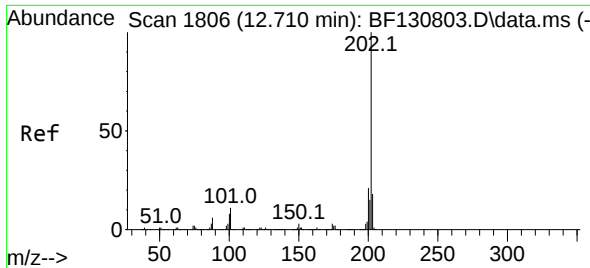
Delta R.T. -0.006 min

Lab File: BF130910.D

Acq: 01 Nov 2022 20:32

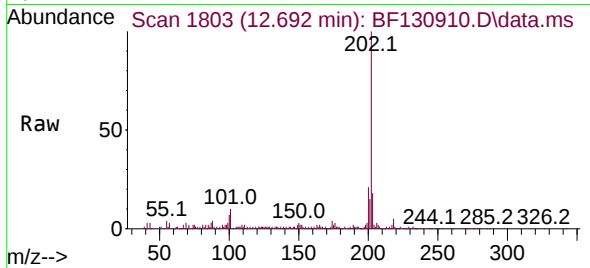
Tgt Ion:	188	Resp:	210712
Ion Ratio	Lower	Upper	
188	100		
94	8.2	7.4	11.2
80	9.0	8.0	12.0





#75
Fluoranthene
Concen: 4.604 ng
RT: 12.692 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32

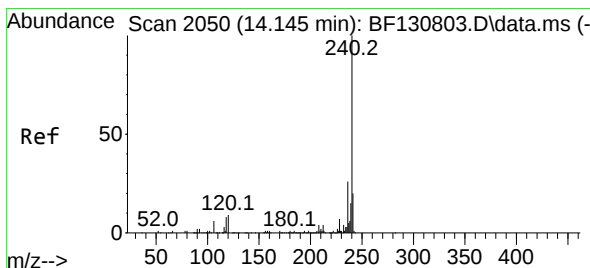
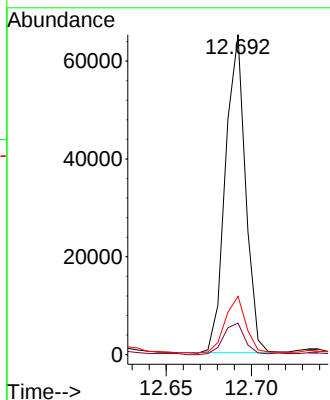
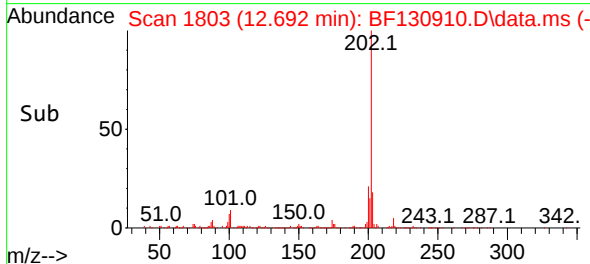
Instrument :
BNA_F
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LSP-SS-01-00-20



Tgt Ion:202 Resp: 53202
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.9
203 18.3 0.0 37.7

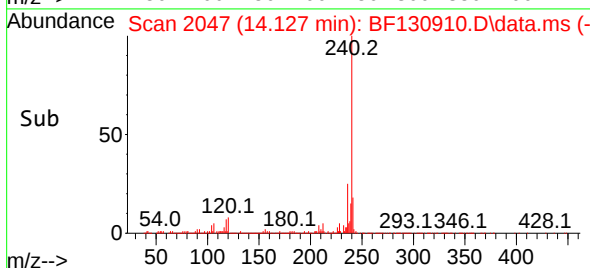
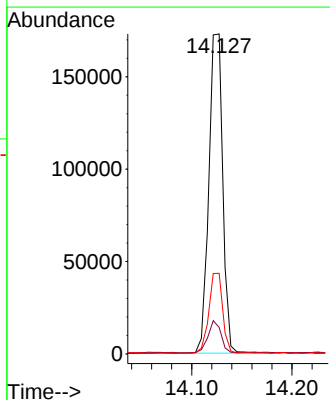
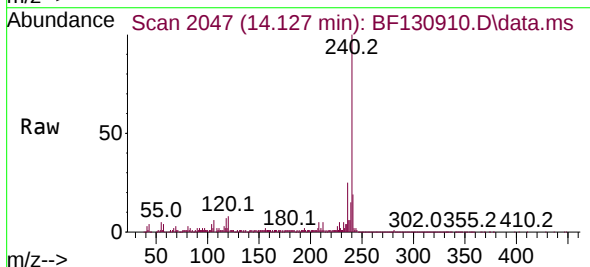
Manual Integrations
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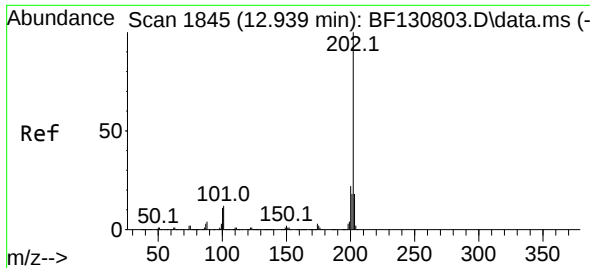
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2047
Delta R.T. 0.000 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32

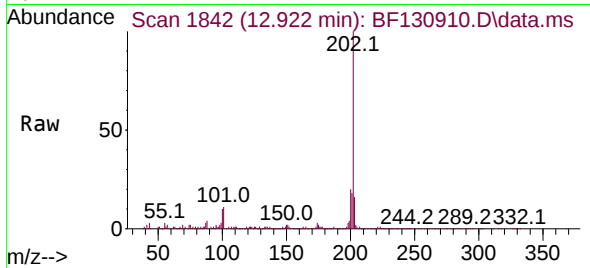
Tgt Ion:240 Resp: 166375
Ion Ratio Lower Upper
240 100
120 8.3 7.0 10.4
236 25.2 20.5 30.7





#78
Pyrene
Concen: 6.774 ng
RT: 12.922 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32

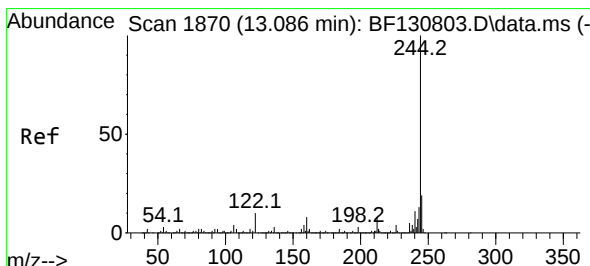
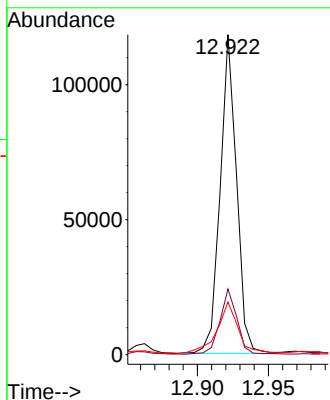
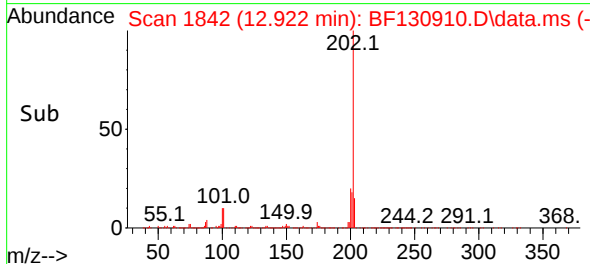
Instrument :
BNA_F
ClientSampleId :
LSP-SS-01-00-20



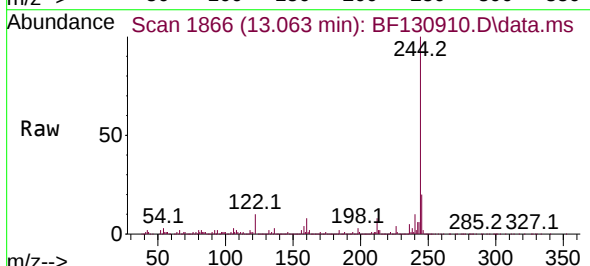
Tgt Ion:202 Resp: 95079
Ion Ratio Lower Upper
202 100
200 20.5 17.2 25.8
203 16.4 14.5 21.7

Manual Integrations
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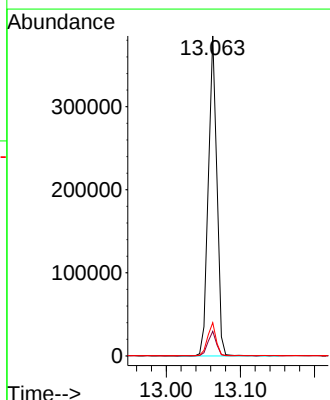
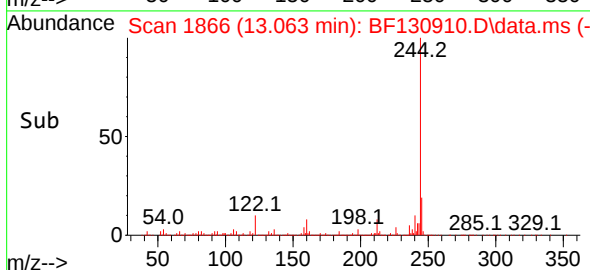
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022

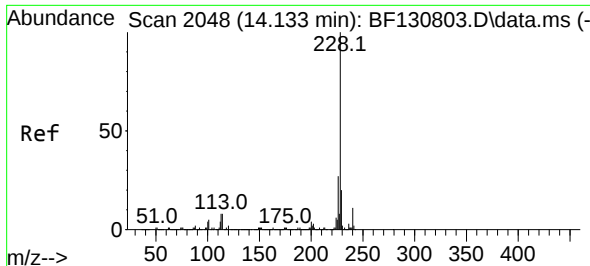


#79
Terphenyl-d14
Concen: 33.880 ng
RT: 13.063 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32



Tgt Ion:244 Resp: 307605
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 10.4 7.9 11.9





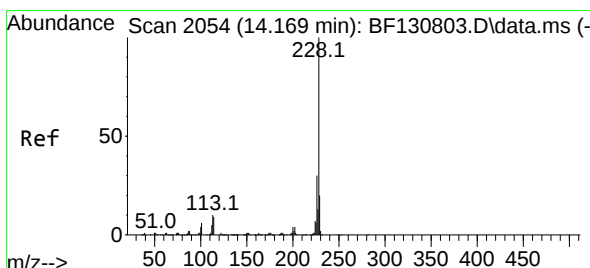
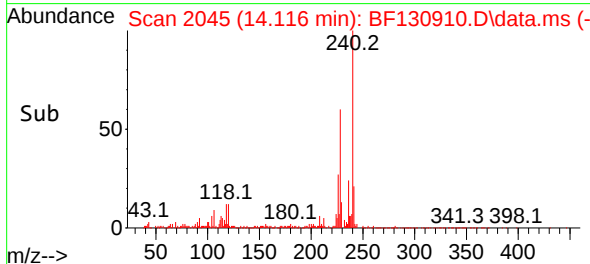
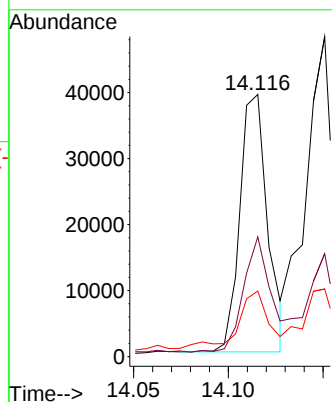
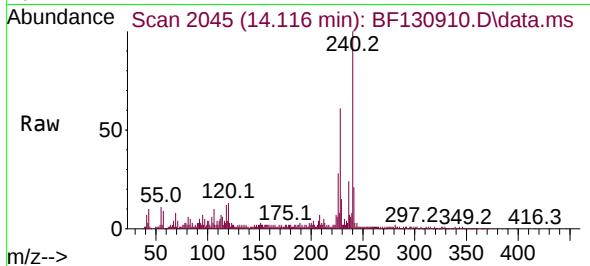
#81
Benzo(a)anthracene
Concen: 3.607 ng
RT: 14.116 min Scan# 2045
Delta R.T. 0.000 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32

Instrument :
BNA_F
ClientSampleId :
LSP-SS-01-00-20

Tgt Ion:228 Resp: 39793
Ion Ratio Lower Upper
228 100
226 45.7 21.4 32.2
229 25.0 15.8 23.6

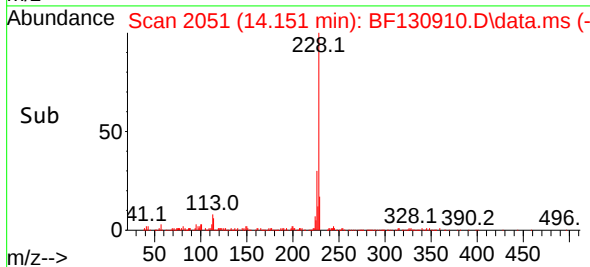
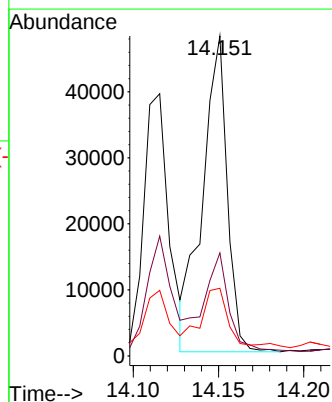
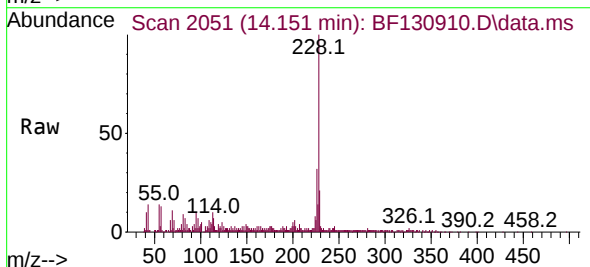
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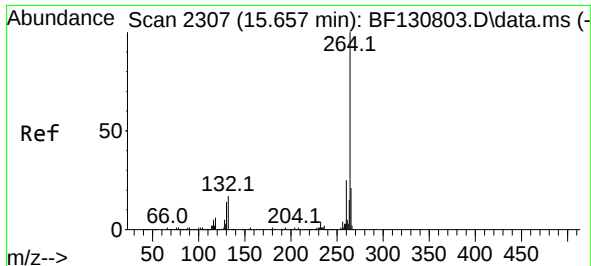
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#83
Chrysene
Concen: 4.544 ng
RT: 14.151 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32

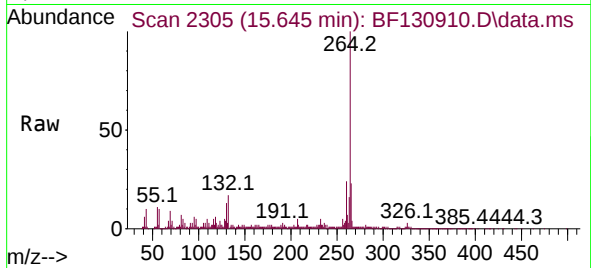
Tgt Ion:228 Resp: 48353
Ion Ratio Lower Upper
228 100
226 32.2 23.9 35.9
229 21.1 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2307
Delta R.T. 0.000 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32

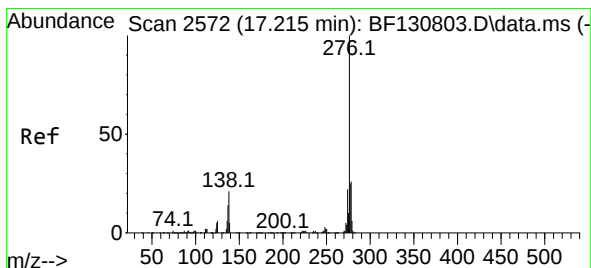
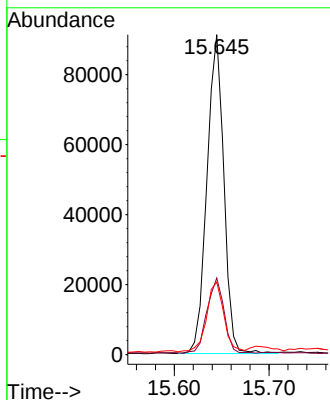
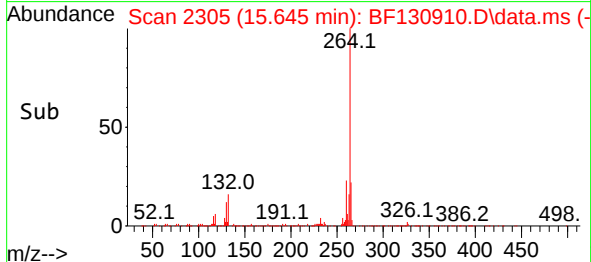
Instrument :
BNA_F
ClientSampleId :
LSP-SS-01-00-20



Tgt Ion:264 Resp: 113196
Ion Ratio Lower Upper
264 100
260 23.9 19.9 29.9
265 22.7 17.0 25.6

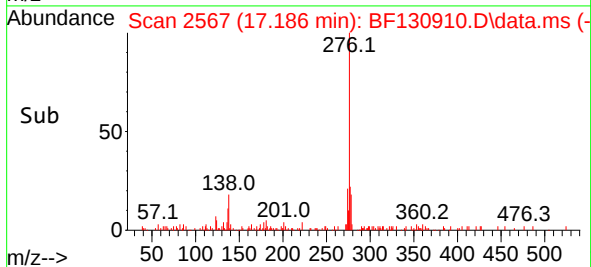
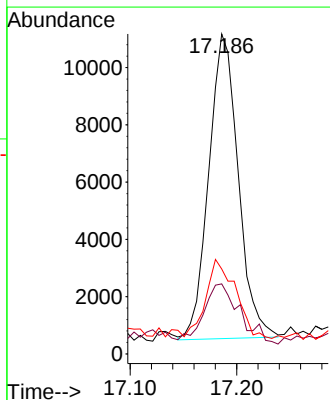
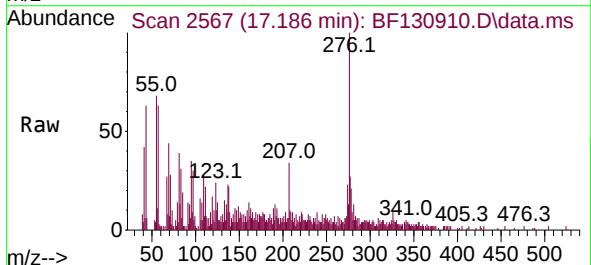
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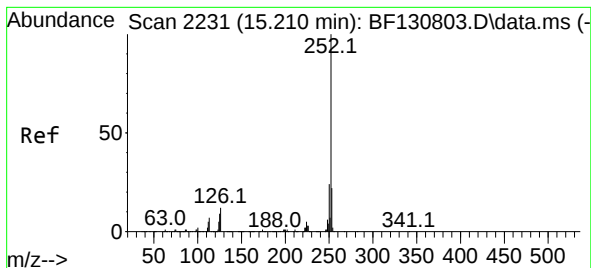
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.727 ng
RT: 17.186 min Scan# 2567
Delta R.T. -0.006 min
Lab File: BF130910.D
Acq: 01 Nov 2022 20:32

Tgt Ion:276 Resp: 20498
Ion Ratio Lower Upper
276 100
138 24.3 19.1 28.7
277 26.4 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 5.850 ng m

RT: 15.192 min Scan# 2228

Delta R.T. 0.000 min

Lab File: BF130910.D

Acq: 01 Nov 2022 20:32

Instrument :

BNA_F

ClientSampleId :

LSP-SS-01-00-20

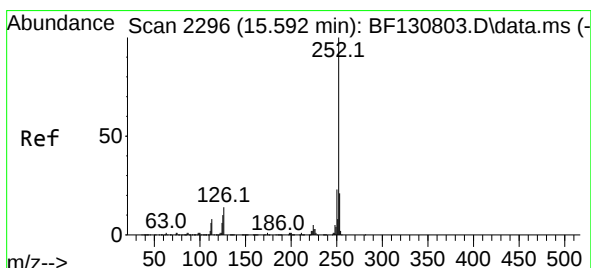
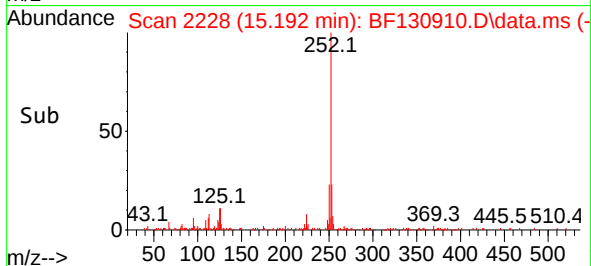
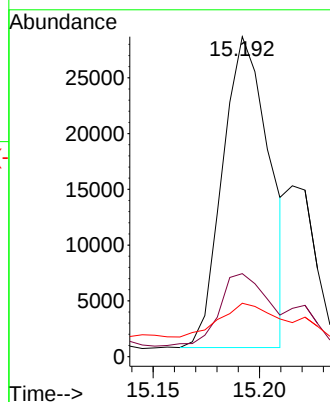
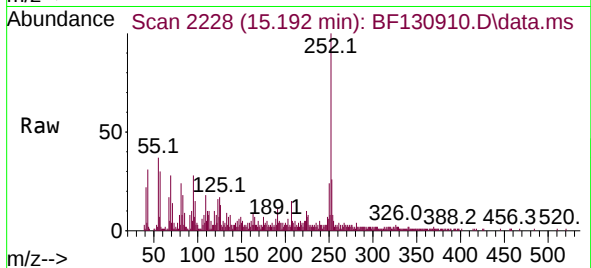
Tgt Ion:252 Resp: 42810
 Ion Ratio Lower Upper
 252 100
 253 25.9 17.5 26.3
 125 16.7 7.0 10.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/02/2022

Supervised By :Jagrut Upadhyay 11/02/2022



#90

Benzo(a)pyrene

Concen: 5.740 ng

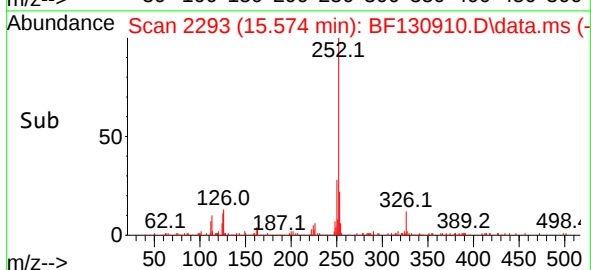
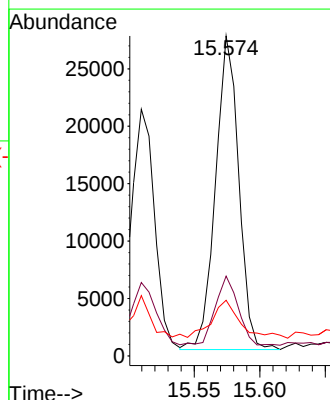
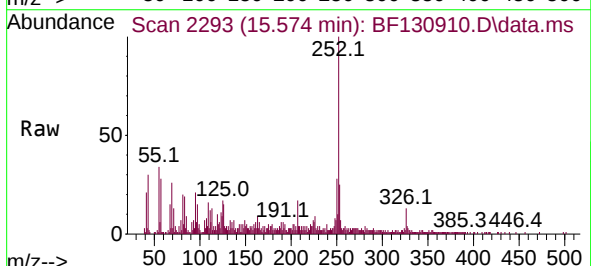
RT: 15.574 min Scan# 2293

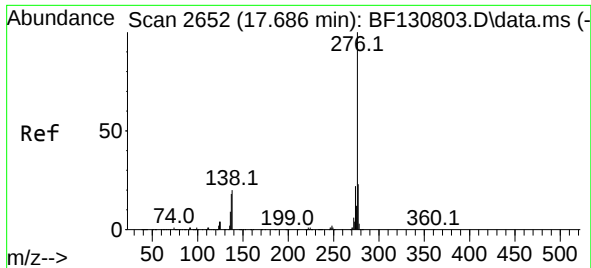
Delta R.T. -0.006 min

Lab File: BF130910.D

Acq: 01 Nov 2022 20:32

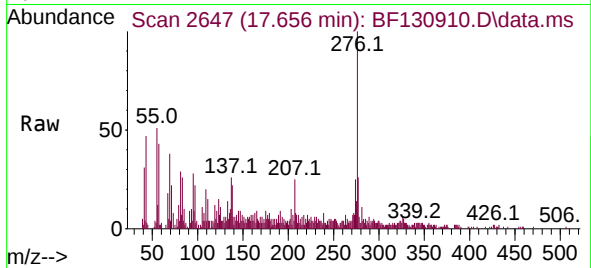
Tgt Ion:252 Resp: 33766
 Ion Ratio Lower Upper
 252 100
 253 24.9 16.8 25.2
 125 17.4 8.3 12.5





#92
 Benzo(g,h,i)perylene
 Concen: 4.514 ng
 RT: 17.656 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF130910.D
 Acq: 01 Nov 2022 20:32

Instrument :
 BNA_F
 ClientSampleId :
 LSP-SS-01-00-20



Tgt Ion:276 Resp: 28219
 Ion Ratio Lower Upper
 276 100
 277 25.8 18.8 28.2
 138 22.2 16.3 24.5

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/02/2022
 Supervised By :Jagrut Upadhyay 11/02/2022

