

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
 Data File : BF130915.D
 Acq On : 01 Nov 2022 23:13
 Operator : CG\JU
 Sample : N5234-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSP-SS-07-20-40

Manual Integrations
 APPROVED

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

Quant Time: Nov 02 08:26:06 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	6.940	152	54879	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	169941	20.000	ng	# 0.00
39) Acenaphthene-d10	9.986	164	83206	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	167177	20.000	ng	0.00
76) Chrysene-d12	14.133	240	99789	20.000	ng	0.00
86) Perylene-d12	15.663	264	74227	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	329188	103.990	ng	0.00
7) Phenol-d6	6.557	99	389483	94.680	ng	0.00
23) Nitrobenzene-d5	7.498	82	229014	81.259	ng	0.00
42) 2,4,6-Tribromophenol	10.775	330	78038	111.415	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	345178	62.720	ng	0.00
79) Terphenyl-d14	13.069	244	391466	71.886	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.245	128	30649	3.457	ng	# 80
38) 1-Methylnaphthalene	9.039	142	38960	7.178	ng	99
75) Fluoranthene	12.698	202	63401	6.916	ng	98
78) Pyrene	12.927	202	114916	13.650	ng	99
81) Benzo(a)anthracene	14.121	228	36848	5.570	ng	# 76
83) Chrysene	14.157	228	64910	10.171	ng	# 90
87) Indeno(1,2,3-cd)pyrene	17.221	276	15469	3.138	ng	97
88) Benzo(b)fluoranthene	15.210	252	42910m	8.943	ng	
89) Benzo(k)fluoranthene	15.233	252	11881m	2.541	ng	
90) Benzo(a)pyrene	15.592	252	31614	8.196	ng	# 62
92) Benzo(g,h,i)perylene	17.692	276	18137	4.424	ng	# 80

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

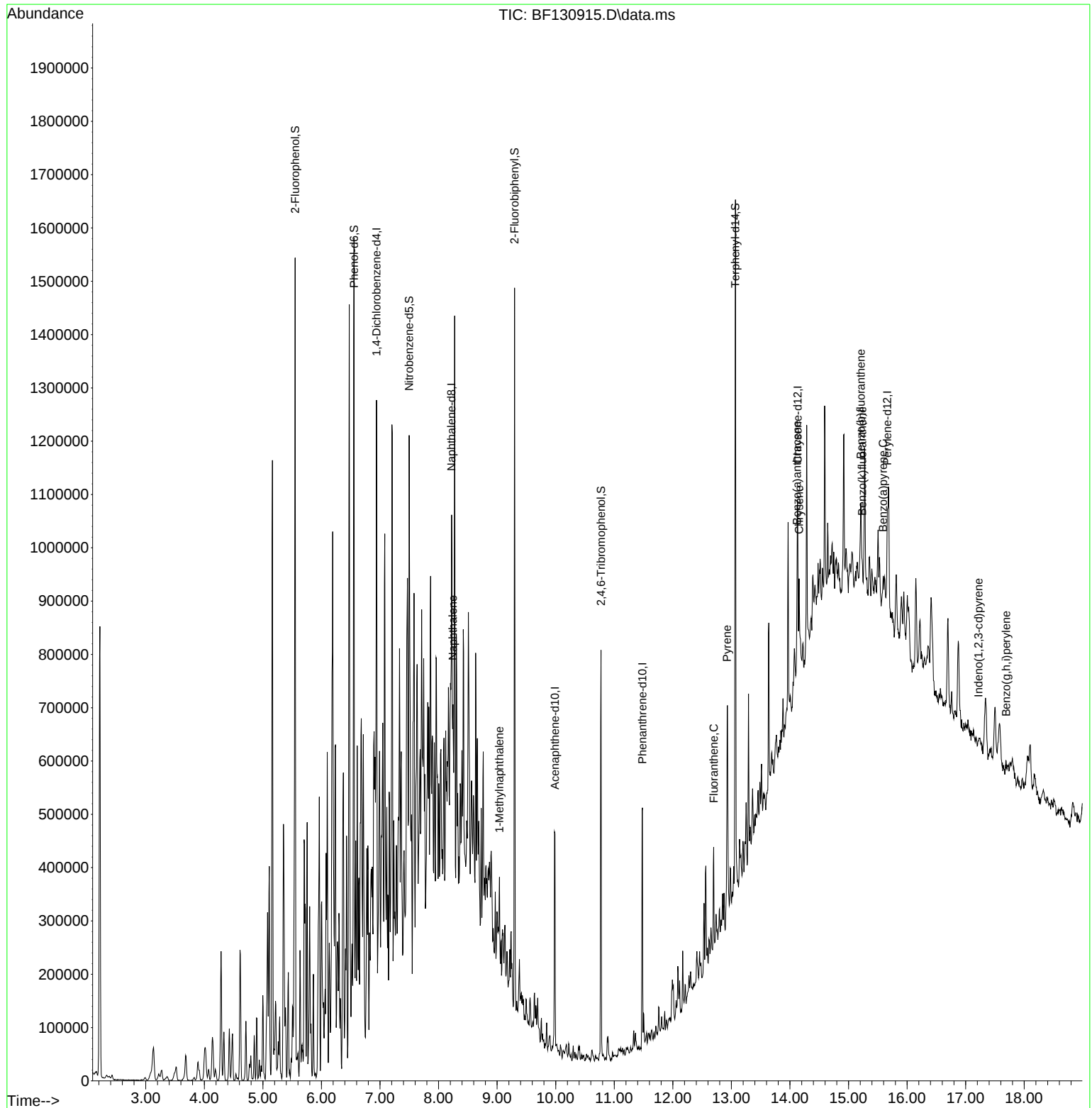
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
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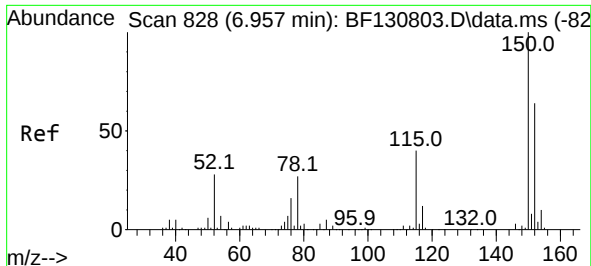
Instrument :
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ClientSampleId :
LSP-SS-07-20-40

Quant Time: Nov 02 08:26:06 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
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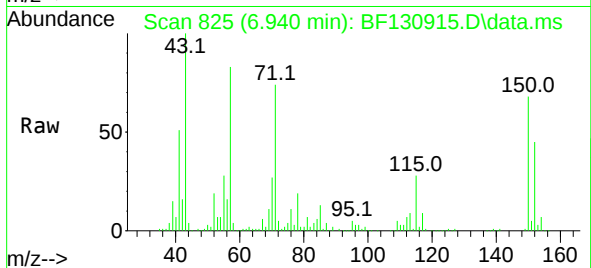
Reviewed By : Christian Giraldo 11/02/2022
Supervised By : Jagrut Upadhyay 11/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 81
Delta R.T. 0.001 min
Lab File: BF130915.D
Acq: 01 Nov 2022 23:13

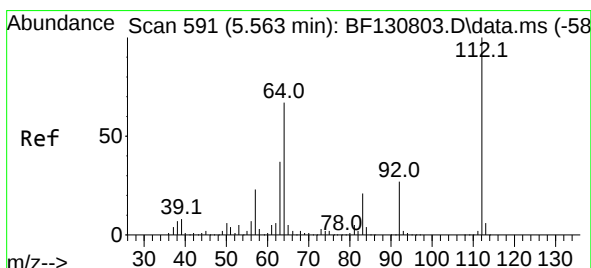
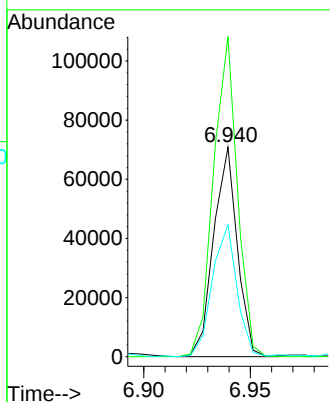
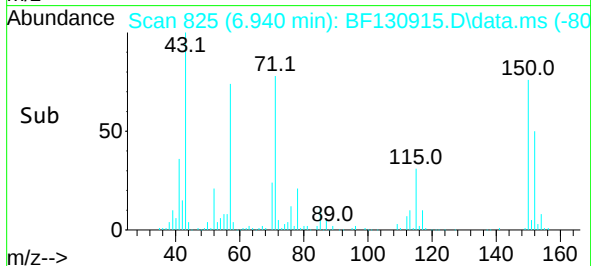
Instrument :
BNA_F
ClientSampleId :
LSP-SS-07-20-40



Tgt Ion:152 Resp: 54879
Ion Ratio Lower Upper
152 100
150 152.8 124.1 186.1
115 62.9 50.1 75.1

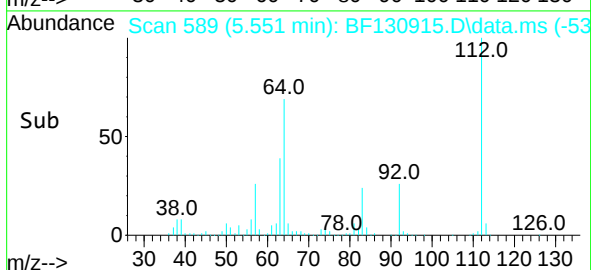
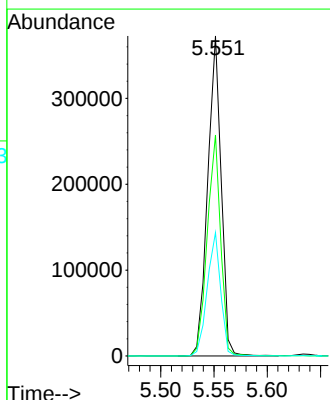
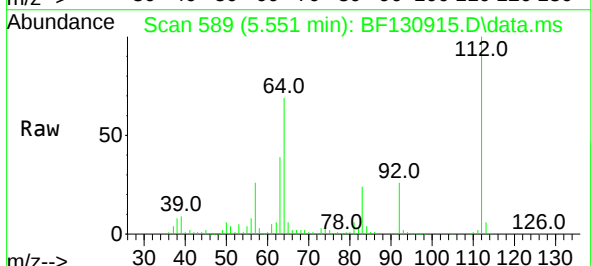
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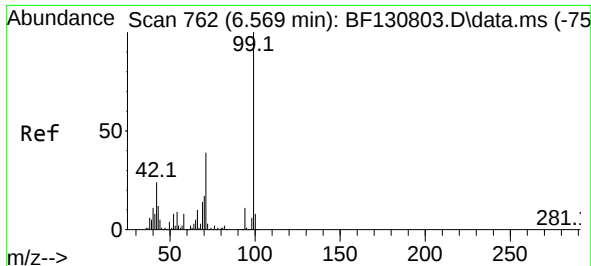
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#5
2-Fluorophenol
Concen: 103.990 ng
RT: 5.551 min Scan# 589
Delta R.T. 0.000 min
Lab File: BF130915.D
Acq: 01 Nov 2022 23:13

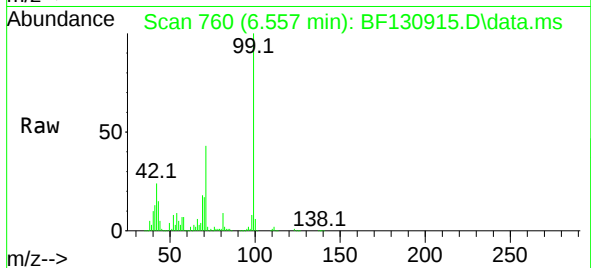
Tgt Ion:112 Resp: 329188
Ion Ratio Lower Upper
112 100
64 69.0 53.9 80.9
63 38.5 29.4 44.2





#7
Phenol-d6
Concen: 94.680 ng
RT: 6.557 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF130915.D
Acq: 01 Nov 2022 23:13

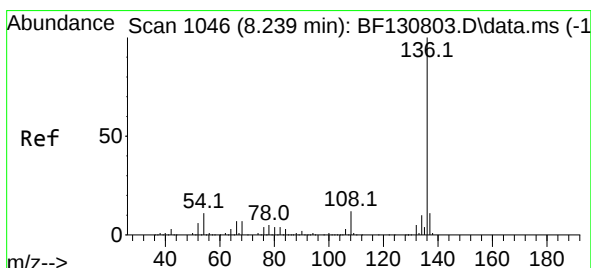
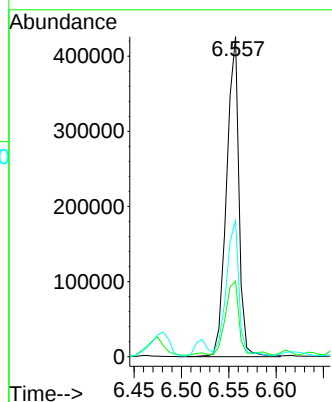
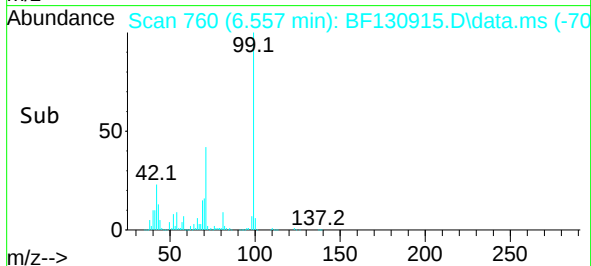
Instrument :
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ClientSampleId :
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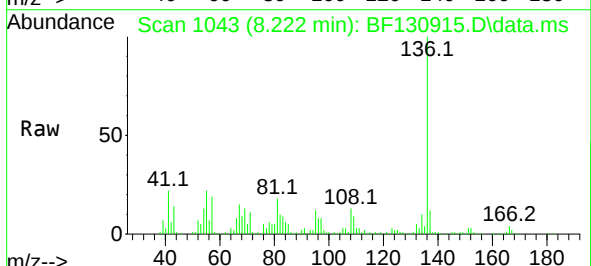
Tgt Ion: 99 Resp: 38948
Ion Ratio Lower Upper
99 100
42 23.6 18.8 28.2
71 42.5 31.4 47.0

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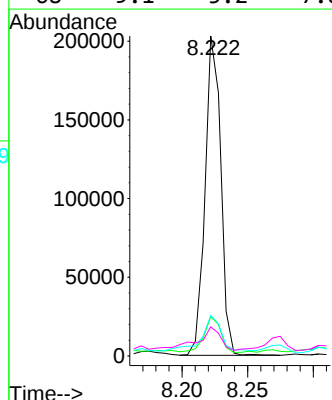
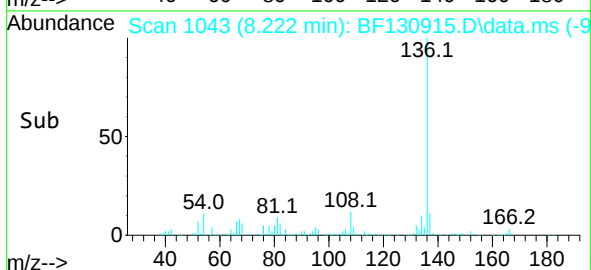
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022

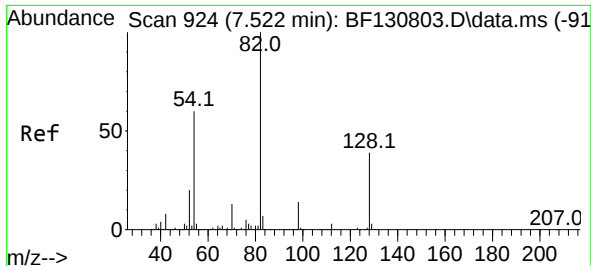


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF130915.D
Acq: 01 Nov 2022 23:13



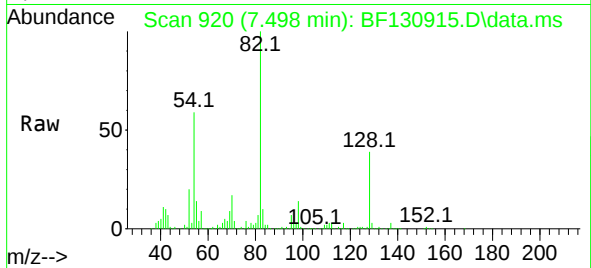
Tgt Ion:136 Resp: 169941
Ion Ratio Lower Upper
136 100
137 12.3 9.2 13.8
54 12.7 8.8 13.2
68 9.1 5.2 7.8#





#23
Nitrobenzene-d5
Concen: 81.259 ng
RT: 7.498 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130915.D
Acq: 01 Nov 2022 23:13

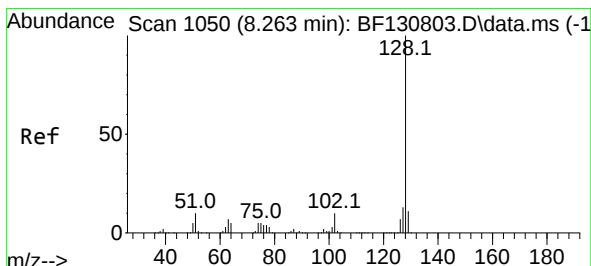
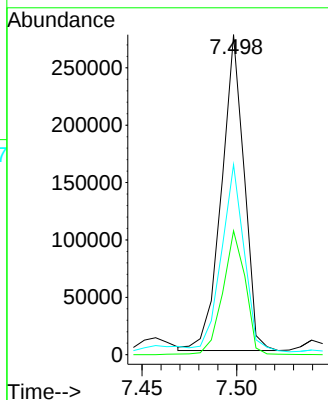
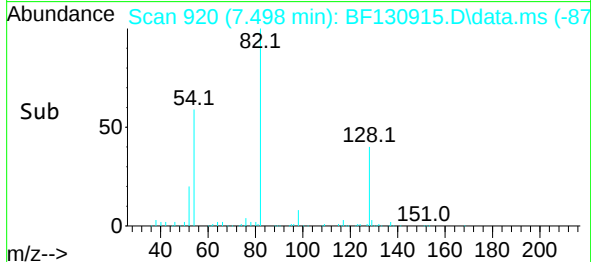
Instrument :
BNA_F
ClientSampleId :
LSP-SS-07-20-40



Tgt Ion: 82 Resp: 229014
Ion Ratio Lower Upper
82 100
128 38.7 31.2 46.8
54 59.4 48.0 72.0

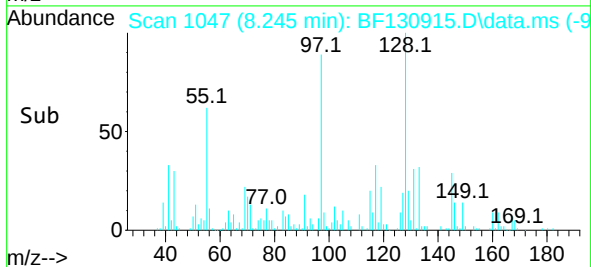
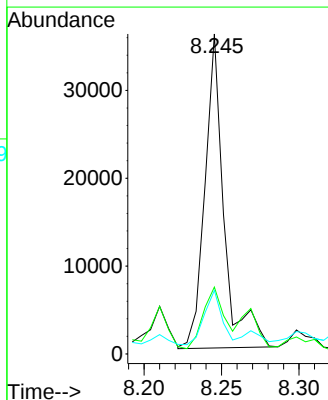
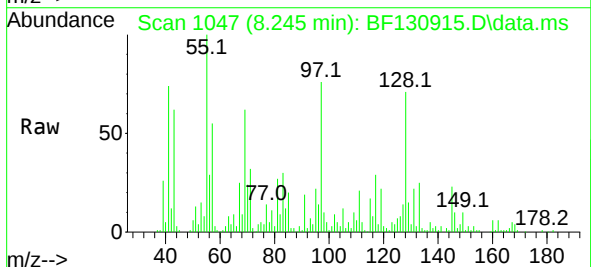
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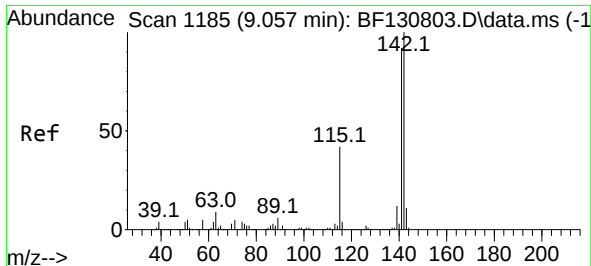
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#31
Naphthalene
Concen: 3.457 ng
RT: 8.245 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF130915.D
Acq: 01 Nov 2022 23:13

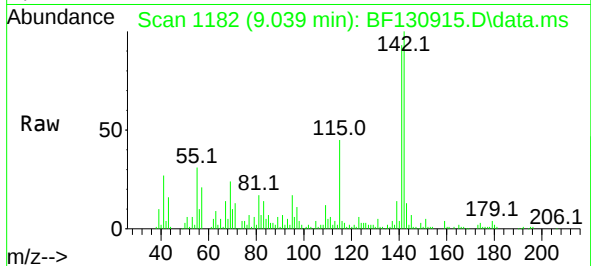
Tgt Ion:128 Resp: 30649
Ion Ratio Lower Upper
128 100
129 20.9 9.0 13.6#
127 19.8 10.6 16.0#





#38
1-Methylnaphthalene
Concen: 7.178 ng
RT: 9.039 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BF130915.D
Acq: 01 Nov 2022 23:13

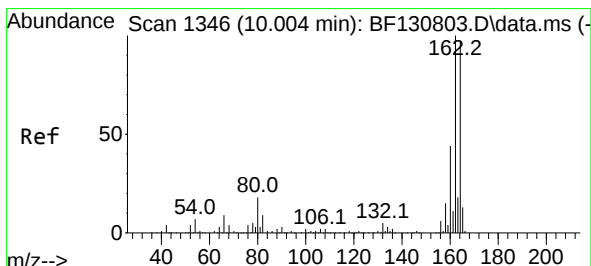
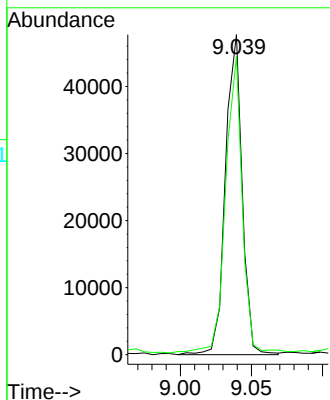
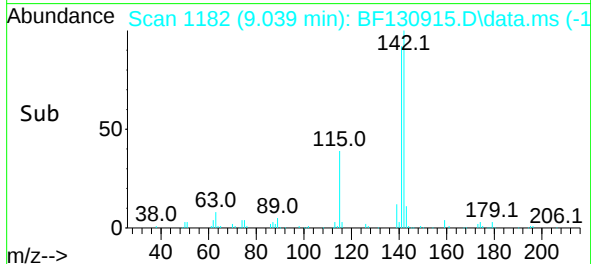
Instrument :
BNA_F
ClientSampleId :
LSP-SS-07-20-40



Tgt Ion:142 Resp: 38960
Ion Ratio Lower Upper
142 100
141 93.3 73.5 110.3

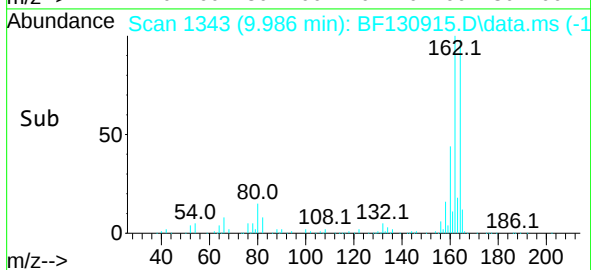
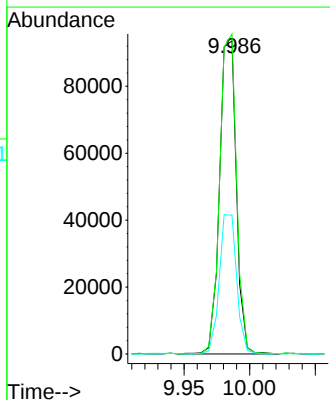
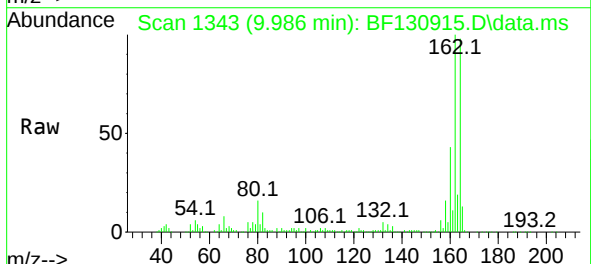
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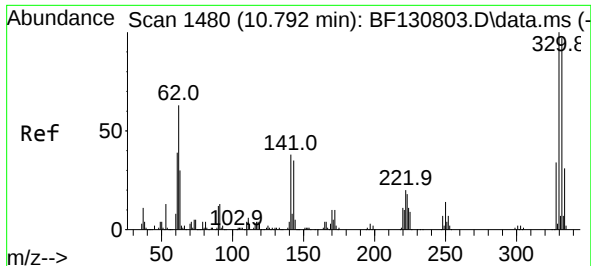
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BF130915.D
Acq: 01 Nov 2022 23:13

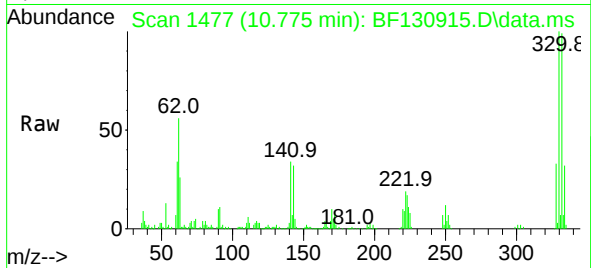
Tgt Ion:164 Resp: 83206
Ion Ratio Lower Upper
164 100
162 102.2 82.2 123.2
160 44.4 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 111.415 ng
RT: 10.775 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF130915.D
Acq: 01 Nov 2022 23:13

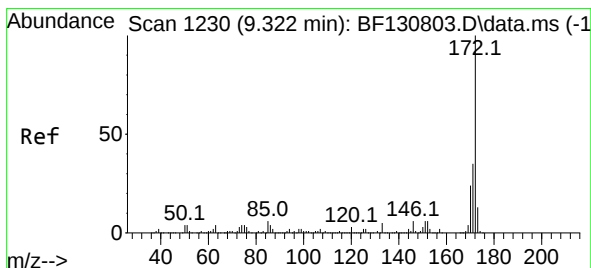
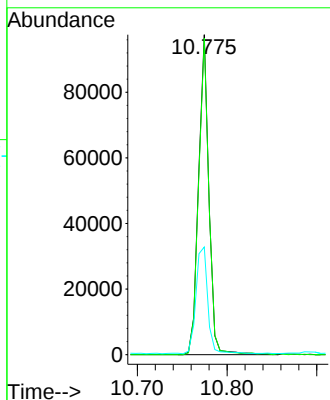
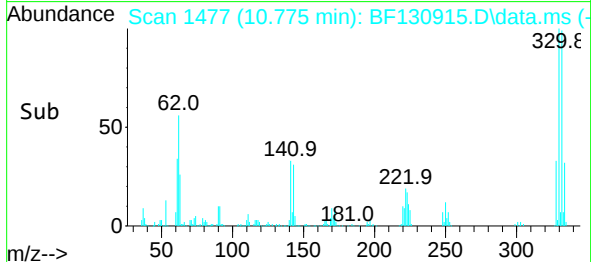
Instrument :
BNA_F
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LSP-SS-07-20-40



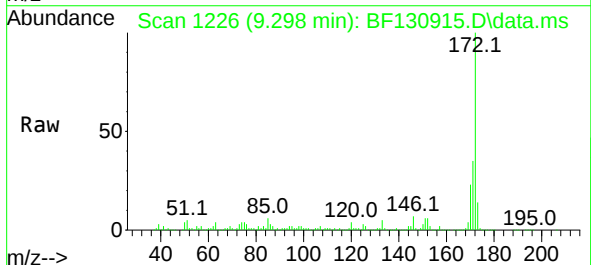
Tgt Ion: 330 Resp: 78038
Ion Ratio Lower Upper
330 100
332 98.5 76.2 114.4
141 38.2 31.4 47.0

Manual Integrations
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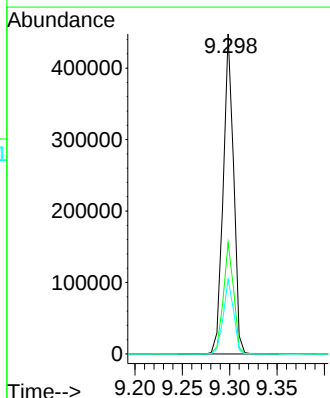
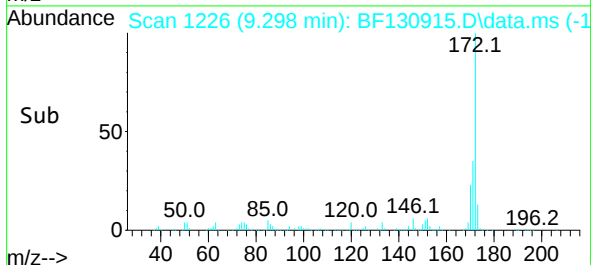
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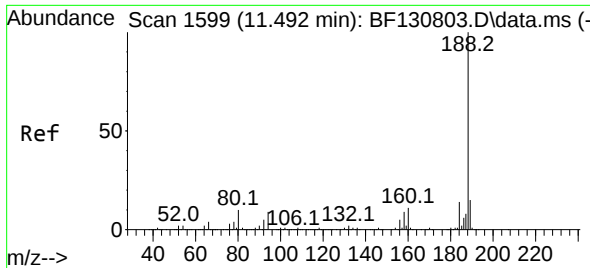


#45
2-Fluorobiphenyl
Concen: 62.720 ng
RT: 9.298 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF130915.D
Acq: 01 Nov 2022 23:13



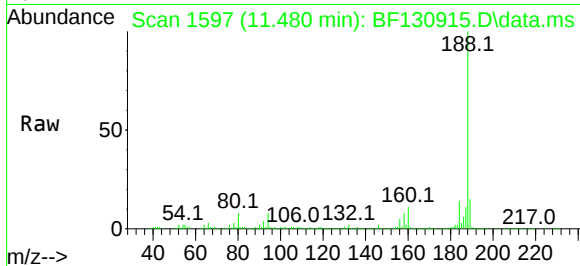
Tgt Ion: 172 Resp: 345178
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.3 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11480
Delta R.T. 0.000 min
Lab File: BF130915.D
Acq: 01 Nov 2022 23:13

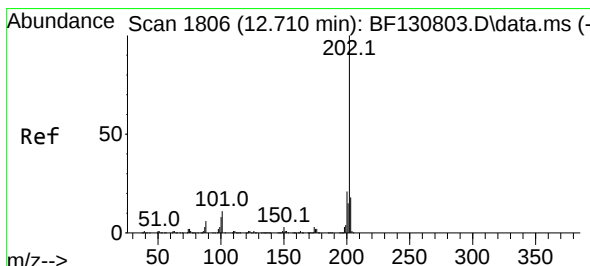
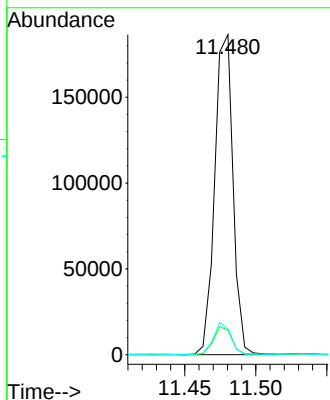
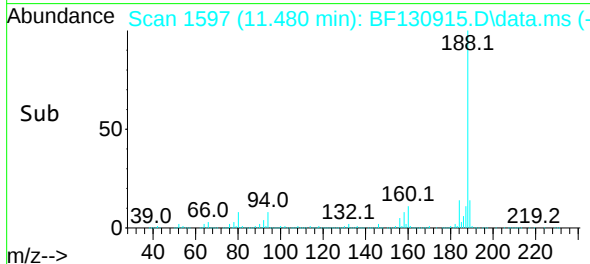
Instrument :
BNA_F
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LSP-SS-07-20-40



Tgt Ion:188 Resp: 16717
Ion Ratio Lower Upper
188 100
94 7.7 7.4 11.2
80 8.2 8.0 12.0

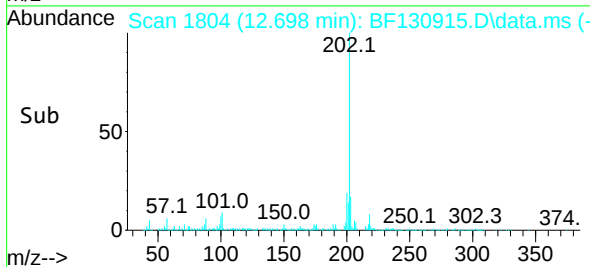
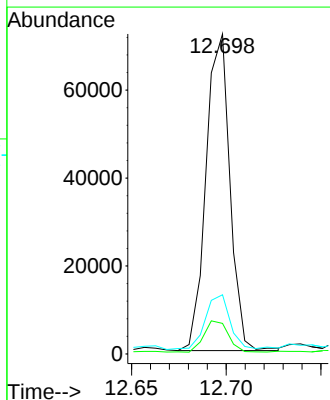
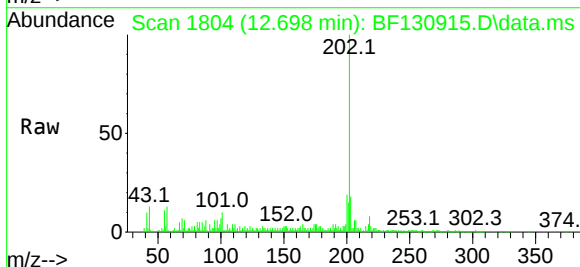
Manual Integrations
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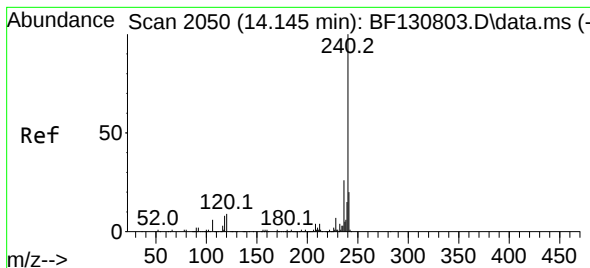
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#75
Fluoranthene
Concen: 6.916 ng
RT: 12.698 min Scan# 1804
Delta R.T. 0.000 min
Lab File: BF130915.D
Acq: 01 Nov 2022 23:13

Tgt Ion:202 Resp: 63401
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.9
203 18.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2050

Delta R.T. 0.006 min

Lab File: BF130915.D

Acq: 01 Nov 2022 23:13

Instrument :

BNA_F

ClientSampleId :

LSP-SS-07-20-40

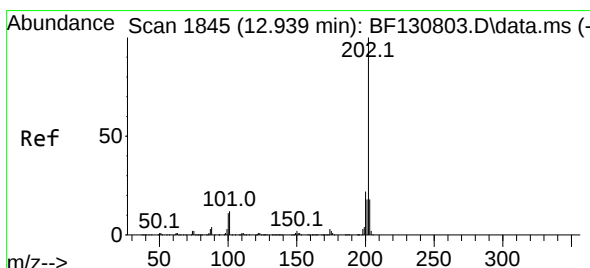
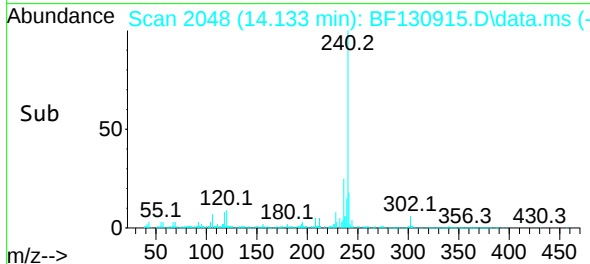
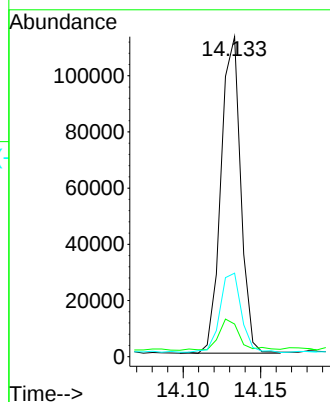
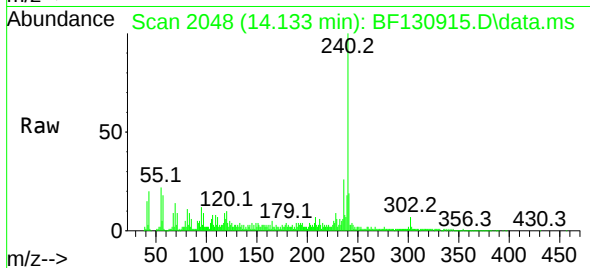
Tgt Ion:240 Resp: 99789

Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.0	10.4
236	26.1	20.5	30.7

Manual Integrations

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#78

Pyrene

Concen: 13.650 ng

RT: 12.927 min Scan# 1843

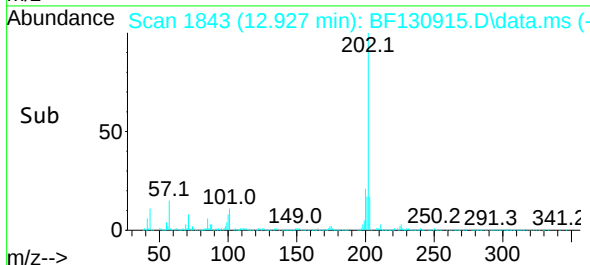
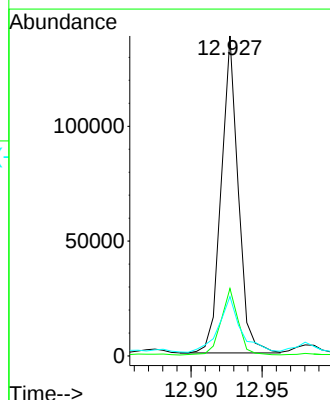
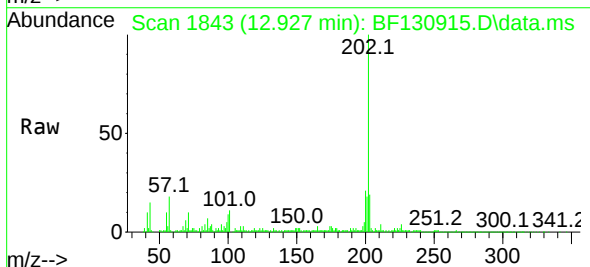
Delta R.T. 0.000 min

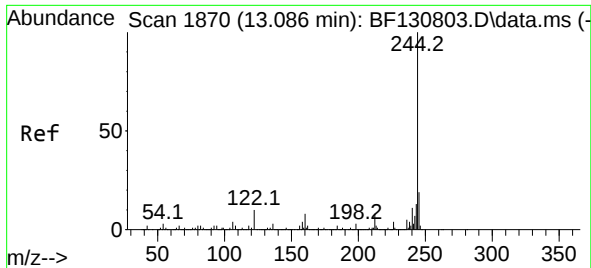
Lab File: BF130915.D

Acq: 01 Nov 2022 23:13

Tgt Ion:202 Resp: 114916

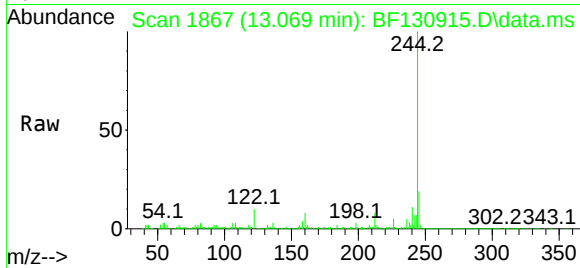
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	18.6	14.5	21.7





#79
 Terphenyl-d14
 Concen: 71.886 ng
 RT: 13.069 min Scan# 1867
 Delta R.T. 0.000 min
 Lab File: BF130915.D
 Acq: 01 Nov 2022 23:13

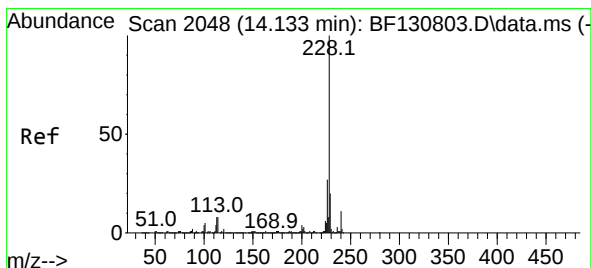
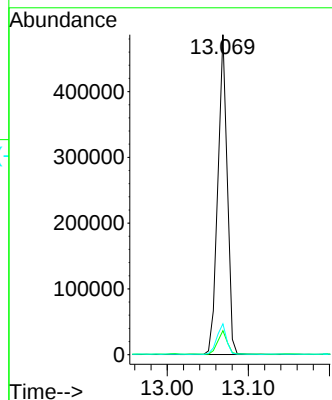
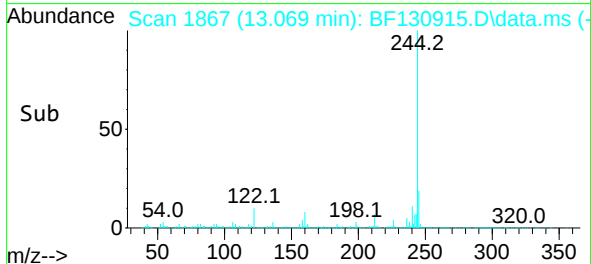
Instrument :
 BNA_F
 ClientSampleId :
 LSP-SS-07-20-40



Tgt Ion:244 Resp: 391460
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 9.6 7.9 11.9

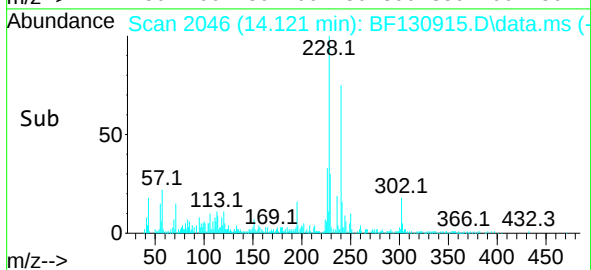
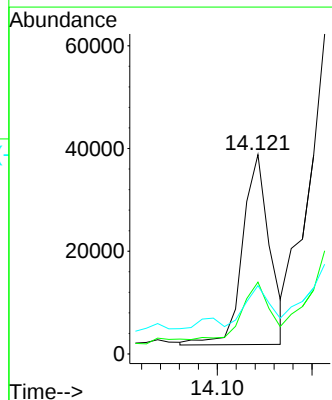
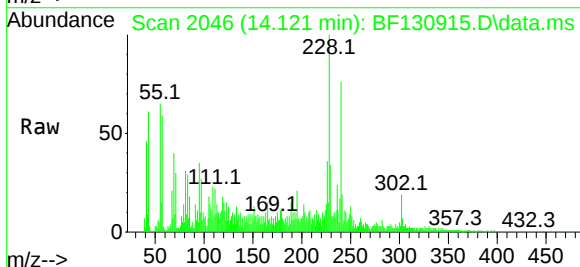
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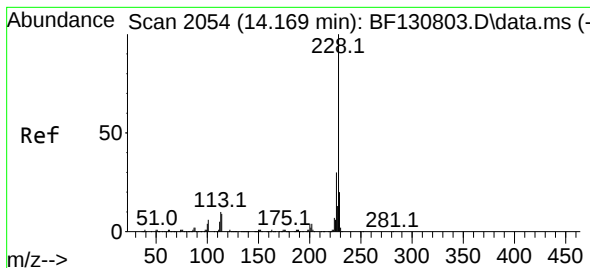
Reviewed By :Christian Giraldo 11/02/2022
 Supervised By :Jagrut Upadhyay 11/02/2022



#81
 Benzo(a)anthracene
 Concen: 5.570 ng
 RT: 14.121 min Scan# 2046
 Delta R.T. 0.006 min
 Lab File: BF130915.D
 Acq: 01 Nov 2022 23:13

Tgt Ion:228 Resp: 36848
 Ion Ratio Lower Upper
 228 100
 226 36.1 21.4 32.2#
 229 34.3 15.8 23.6#





#83

Chrysene

Concen: 10.171 ng

RT: 14.157 min Scan# 2052

Delta R.T. 0.000 min

Lab File: BF130915.D

Acq: 01 Nov 2022 23:13

Instrument :

BNA_F

ClientSampleId :

LSP-SS-07-20-40

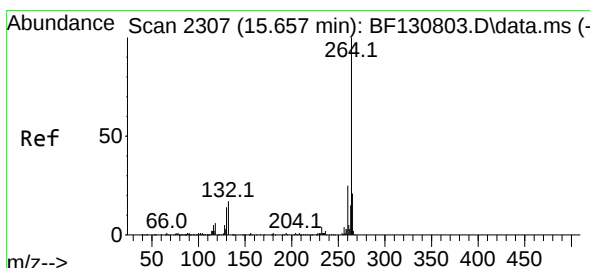
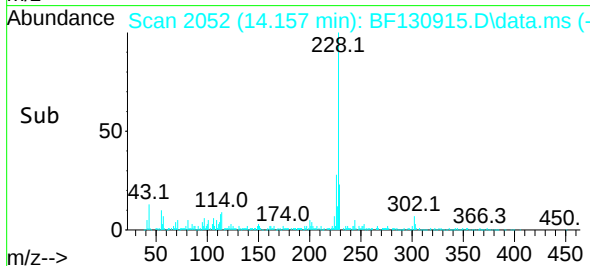
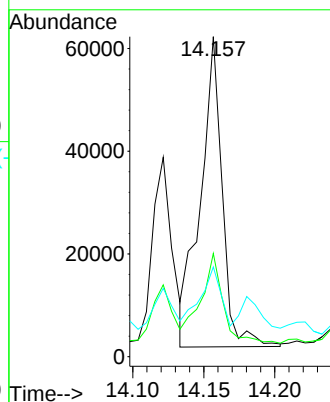
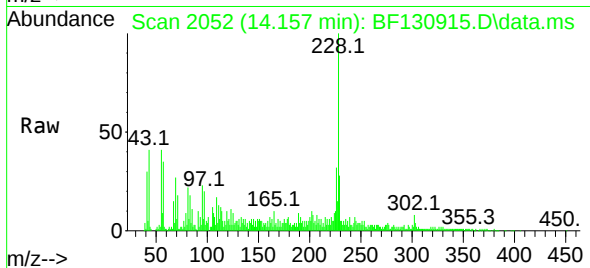
Tgt Ion:	228	Resp:	64910
Ion Ratio	Lower	Upper	
228	100		
226	32.2	23.9	35.9
229	28.1	15.8	23.6

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Reviewed By :Christian Giraldo 11/02/2022

Supervised By :Jagrut Upadhyay 11/02/2022



#86

Perylene-d12

Concen: 20.000 ng

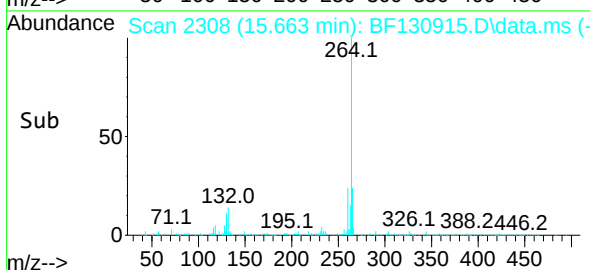
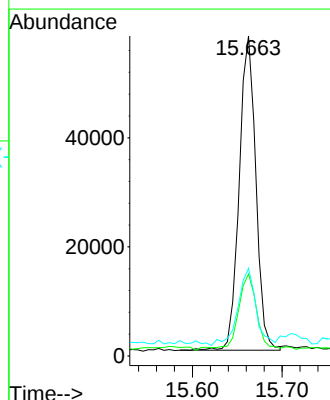
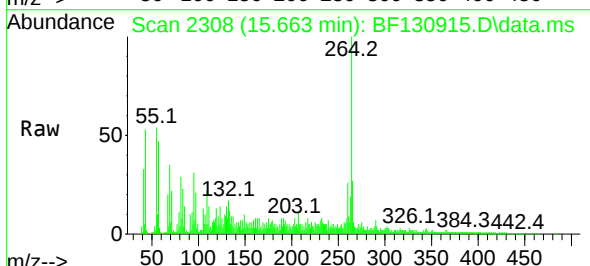
RT: 15.663 min Scan# 2308

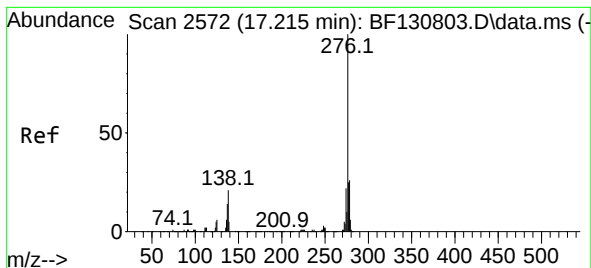
Delta R.T. 0.018 min

Lab File: BF130915.D

Acq: 01 Nov 2022 23:13

Tgt Ion:	264	Resp:	74227
Ion Ratio	Lower	Upper	
264	100		
260	25.6	19.9	29.9
265	27.4	17.0	25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.138 ng

RT: 17.221 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF130915.D

Acq: 01 Nov 2022 23:13

Instrument :

BNA_F

ClientSampleId :

LSP-SS-07-20-40

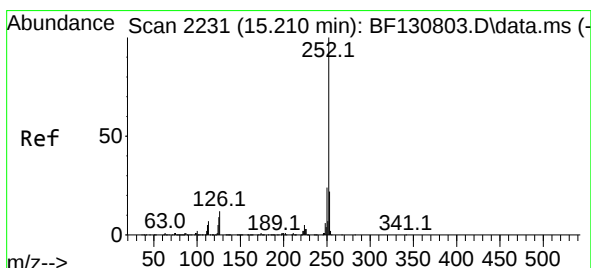
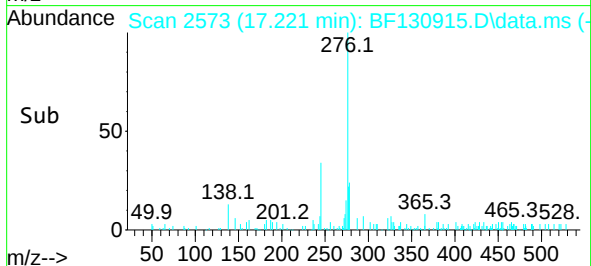
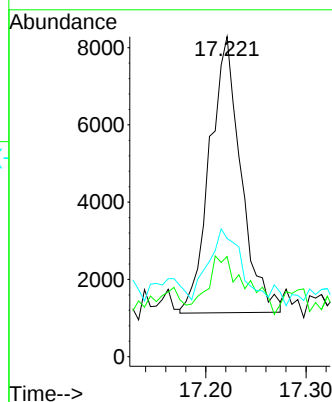
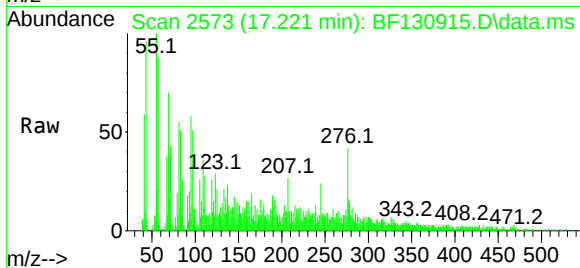
Tgt Ion:	276	Resp:	15469
Ion Ratio	Lower	Upper	
276	100		
138	26.2	19.1	28.7
277	25.7	20.1	30.1

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Reviewed By :Christian Giraldo 11/02/2022

Supervised By :Jagrut Upadhyay 11/02/2022



#88

Benzo(b)fluoranthene

Concen: 8.943 ng m

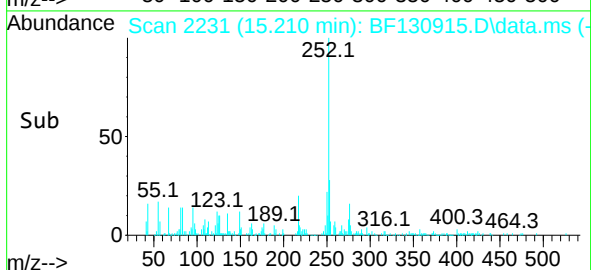
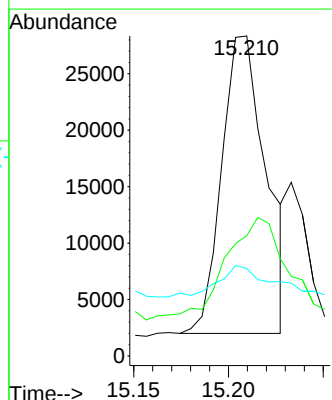
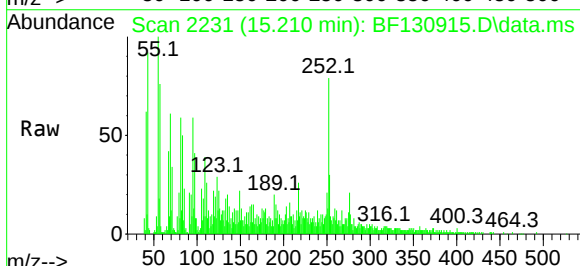
RT: 15.210 min Scan# 2231

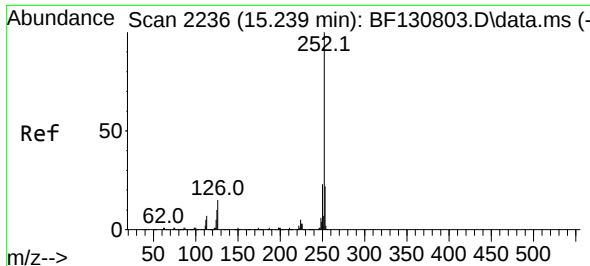
Delta R.T. 0.018 min

Lab File: BF130915.D

Acq: 01 Nov 2022 23:13

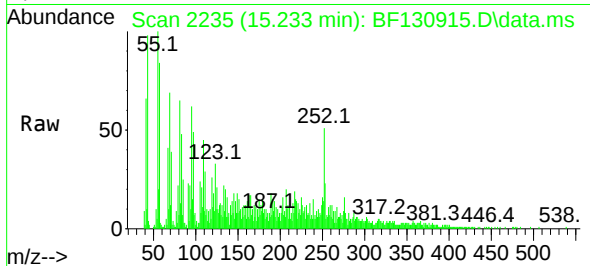
Tgt Ion:	252	Resp:	42910
Ion Ratio	Lower	Upper	
252	100		
253	37.6	17.5	26.3#
125	27.3	7.0	10.4#





#89
Benzo(k)fluoranthene
Concen: 2.541 ng m
RT: 15.233 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF130915.D
Acq: 01 Nov 2022 23:13

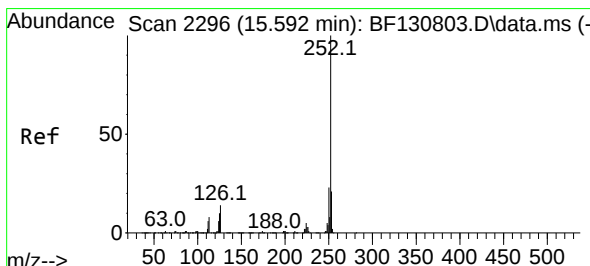
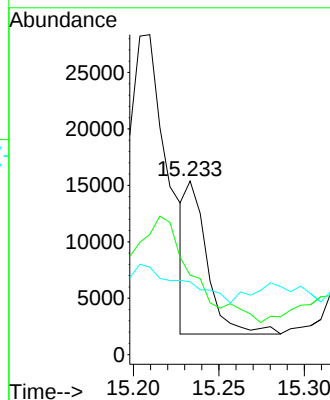
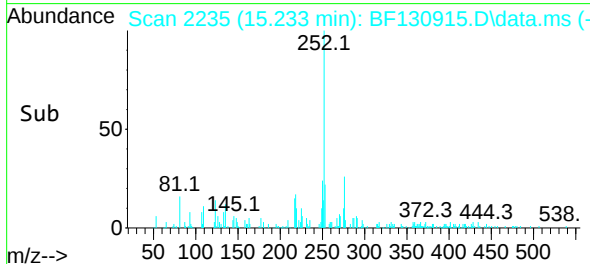
Instrument :
BNA_F
ClientSampleId :
LSP-SS-07-20-40



Tgt Ion:252 Resp: 1188
Ion Ratio Lower Upper
252 100
253 45.8 17.5 26.3#
125 42.1 8.0 12.0#

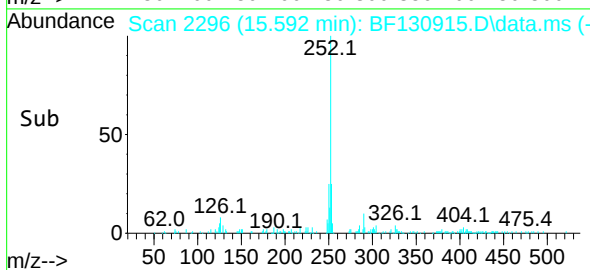
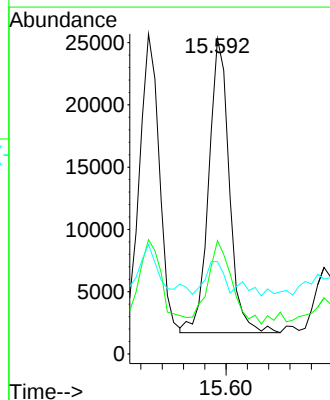
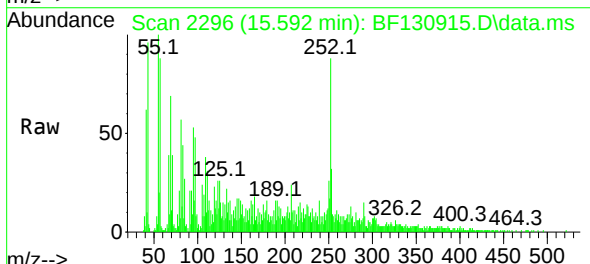
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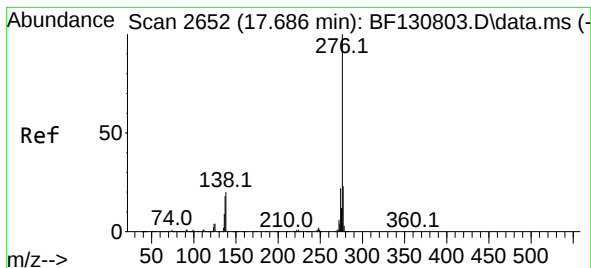
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#90
Benzo(a)pyrene
Concen: 8.196 ng
RT: 15.592 min Scan# 2296
Delta R.T. 0.012 min
Lab File: BF130915.D
Acq: 01 Nov 2022 23:13

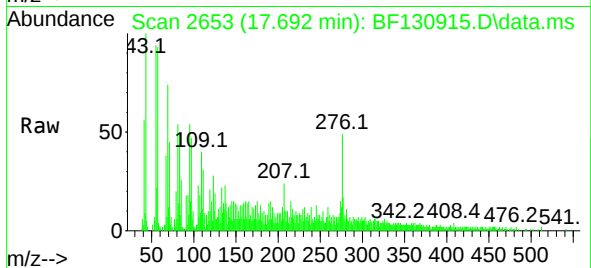
Tgt Ion:252 Resp: 31614
Ion Ratio Lower Upper
252 100
253 36.0 16.8 25.2#
125 29.3 8.3 12.5#





#92
 Benzo(g,h,i)perylene
 Concen: 4.424 ng
 RT: 17.692 min Scan# 20
 Delta R.T. 0.024 min
 Lab File: BF130915.D
 Acq: 01 Nov 2022 23:13

Instrument :
 BNA_F
 ClientSampleId :
 LSP-SS-07-20-40



Tgt Ion:	276	Resp:	1813
Ion Ratio	Lower	Upper	
276	100		
277	34.9	18.8	28.2
138	28.4	16.3	24.5

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

