

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
 Data File : BF130755.D
 Acq On : 21 Oct 2022 20:28
 Operator : CG\JU
 Sample : N5229-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LRH-COMP-2

Quant Time: Oct 21 22:58:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 06:12:36 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 10/24/2022
 Supervised By : Jagrut Upadhyay 10/24/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							10/24/2022
1) 1,4-Dichlorobenzene-d4	6.563	152	62922	20.000	ng	0.00	Supervised By : Jagrut Upadhyay
21) Naphthalene-d8	7.845	136	217871	20.000	ng	0.00	
39) Acenaphthene-d10	9.592	164	105268	20.000	ng	0.00	
64) Phenanthrene-d10	11.075	188	181062	20.000	ng	0.00	
76) Chrysene-d12	13.710	240	108176	20.000	ng	0.00	
86) Perylene-d12	15.092	264	92361	20.000	ng	0.01	10/24/2022
System Monitoring Compounds							
5) 2-Fluorophenol	5.175	112	139934	38.349	ng	0.01	
7) Phenol-d6	6.228	99	135169	30.617	ng	0.00	
23) Nitrobenzene-d5	7.134	82	74243	18.077	ng	0.00	
42) 2,4,6-Tribromophenol	10.386	330	31681	31.646	ng	0.00	
45) 2-Fluorobiphenyl	8.922	172	150717	21.819	ng	0.00	
79) Terphenyl-d14	12.657	244	145762	22.707	ng	0.00	
Target Compounds							Qvalue
71) Phenanthrene	11.098	178	40086	4.037	ng		97
75) Fluoranthene	12.286	202	81526	8.122	ng		98
78) Pyrene	12.510	202	78047	8.595	ng		99
81) Benzo(a)anthracene	13.698	228	34731	4.805	ng	#	95
83) Chrysene	13.733	228	33177m	4.737	ng		
87) Indeno(1,2,3-cd)pyrene	16.404	276	19043	2.875	ng	#	89
88) Benzo(b)fluoranthene	14.716	252	40062m	6.515	ng		
89) Benzo(k)fluoranthene	14.739	252	18424m	2.982	ng		
90) Benzo(a)pyrene	15.039	252	27624	5.593	ng	#	81
92) Benzo(g,h,i)perylene	16.798	276	24472	4.458	ng	#	88

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

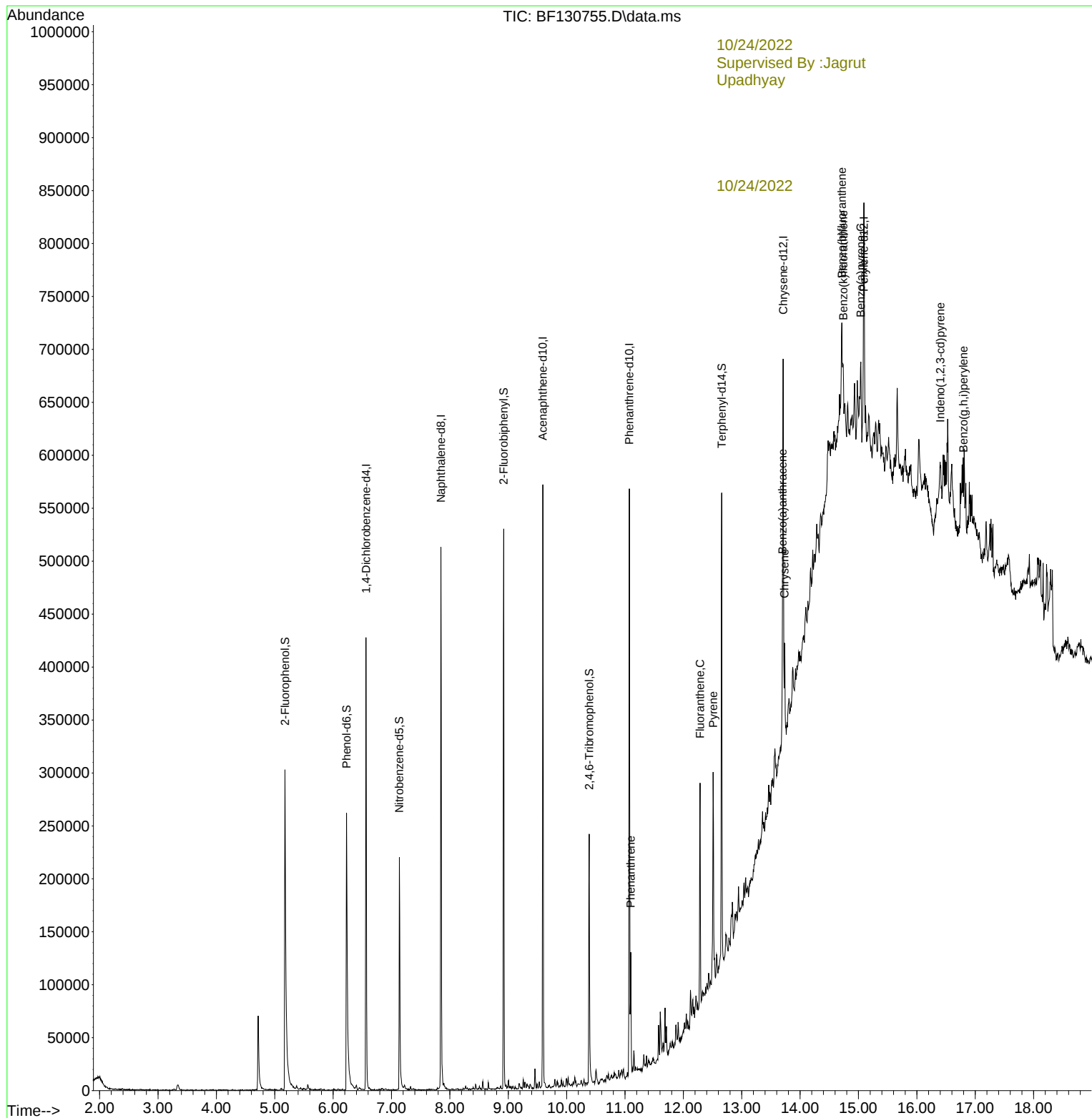
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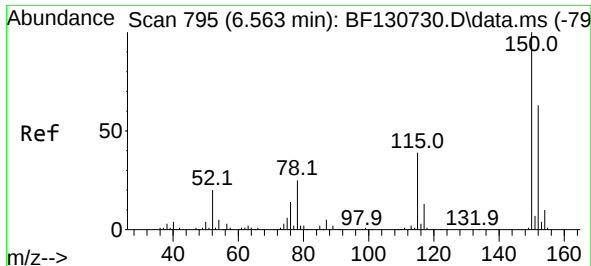
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Quant Time: Oct 21 22:58:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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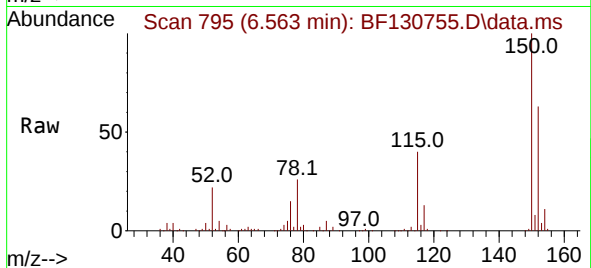
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

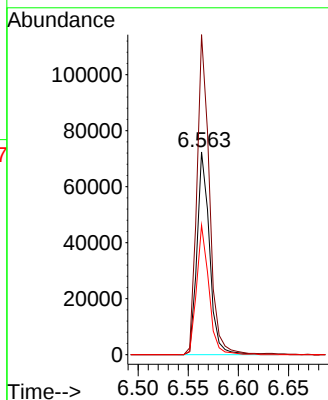
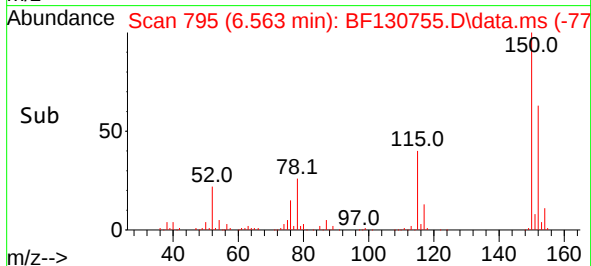
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-2



Tgt Ion:152 Resp: 6292
Ion Ratio Lower Upper
152 100
150 157.9 127.0 190.6
115 63.8 49.9 74.9

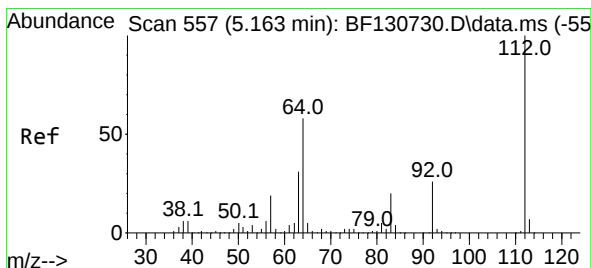
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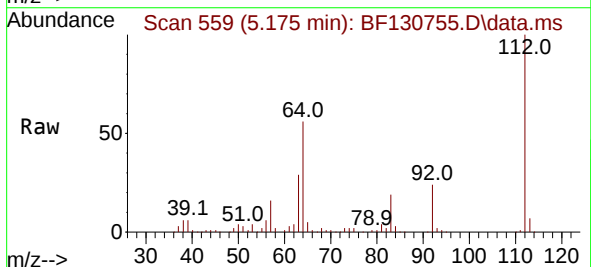


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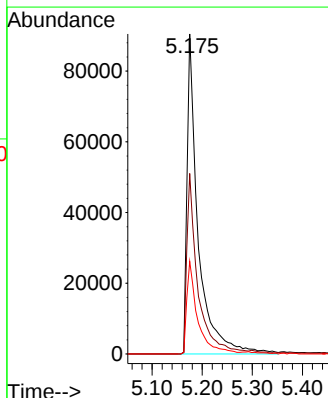
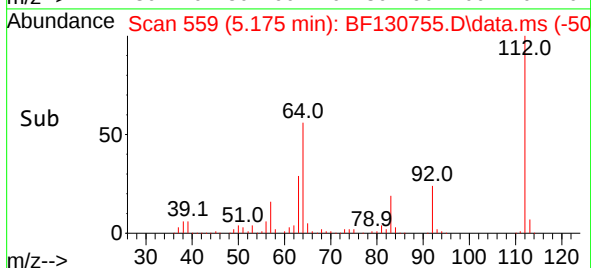
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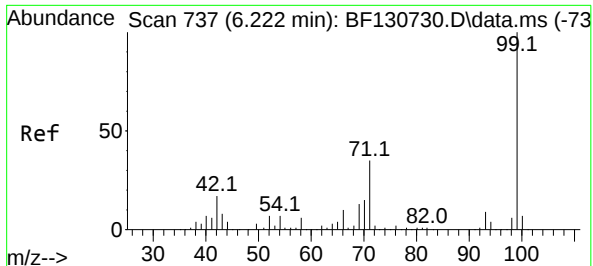


#5
2-Fluorophenol
Concen: 38.349 ng
RT: 5.175 min Scan# 559
Delta R.T. 0.012 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28



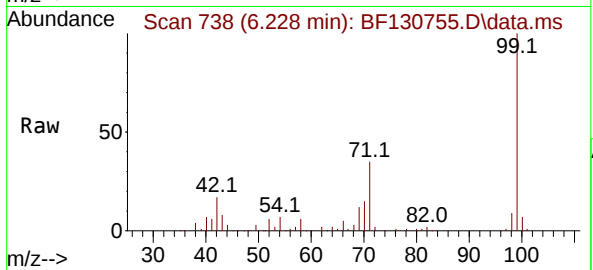
Tgt Ion:112 Resp: 139934
Ion Ratio Lower Upper
112 100
64 56.4 46.2 69.4
63 29.0 25.1 37.7





#7
Phenol-d6
Concen: 30.617 ng
RT: 6.228 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

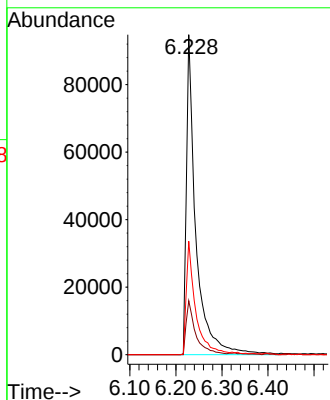
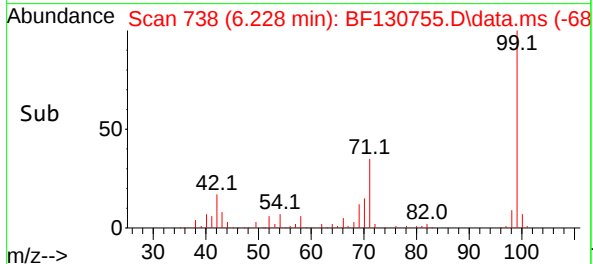
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-2



Tgt Ion: 99 Resp: 135169
Ion Ratio Lower Upper
99 100
42 16.9 13.8 20.8
71 35.5 28.3 42.5

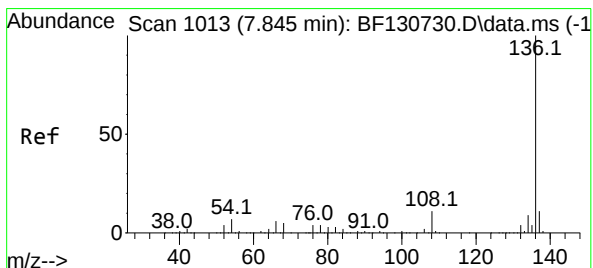
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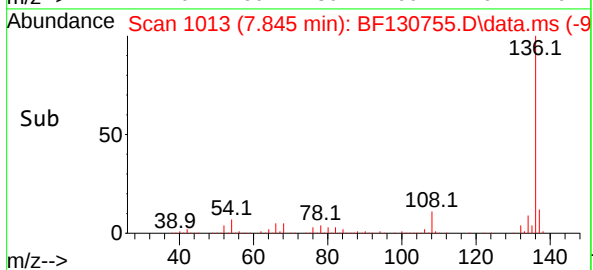
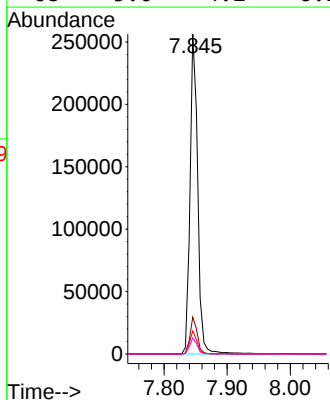
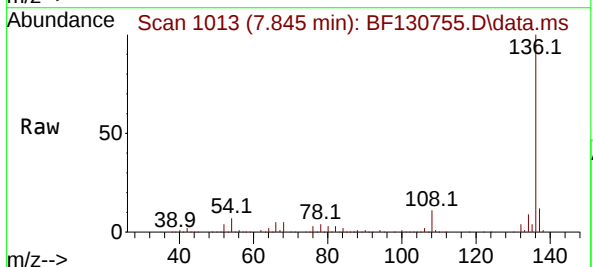
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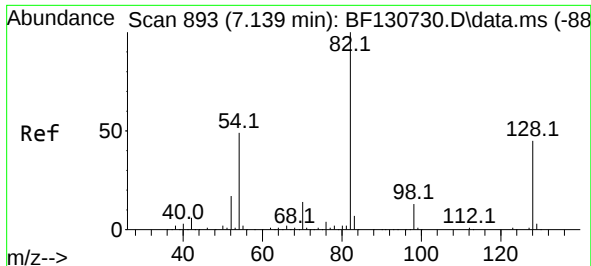
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Tgt Ion:136 Resp: 217871
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 7.2 5.8 8.8
68 5.0 4.2 6.2





#23
Nitrobenzene-d5
Concen: 18.077 ng
RT: 7.134 min Scan# 893
Delta R.T. -0.005 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Instrument :

BNA_F

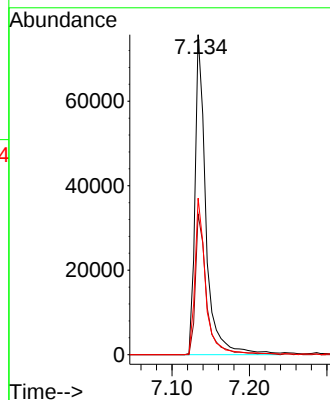
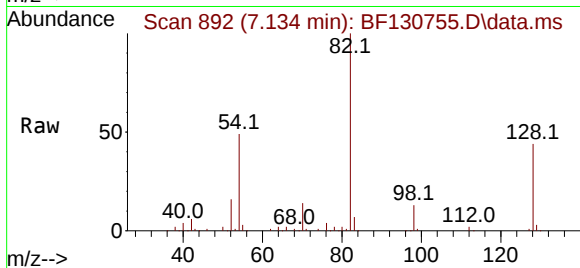
ClientSampleId :

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Tgt Ion: 82 Resp: 7424
Ion Ratio Lower Upper
82 100
128 43.9 35.9 53.9
54 48.9 39.2 58.8

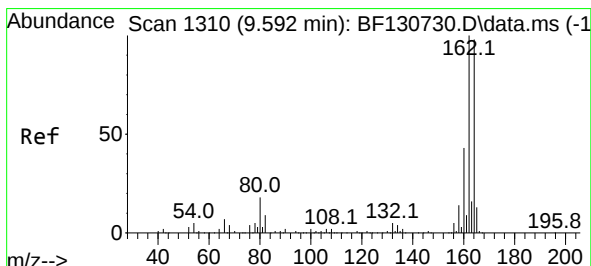
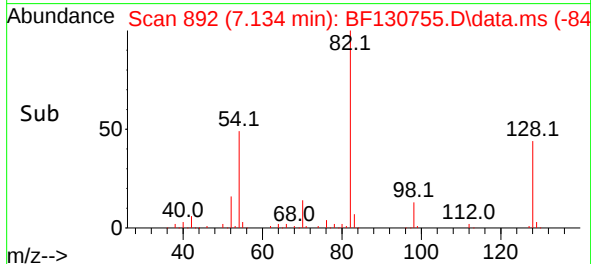
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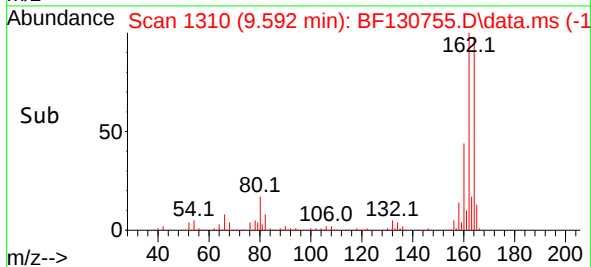
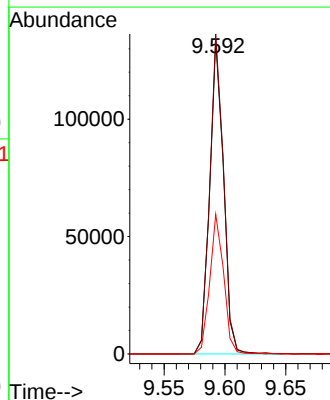
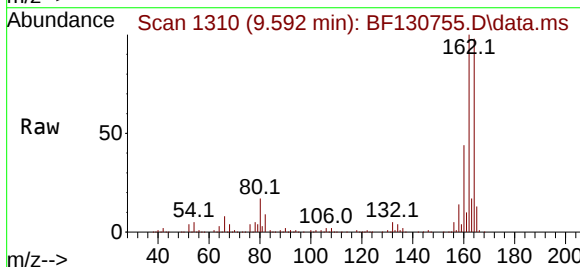
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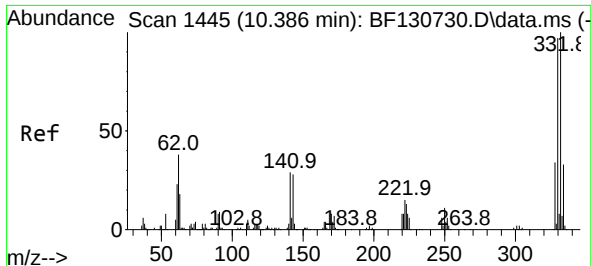
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.592 min Scan# 1310
Delta R.T. 0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Tgt Ion:164 Resp: 105268
Ion Ratio Lower Upper
164 100
162 102.0 81.4 122.0
160 44.5 35.0 52.4





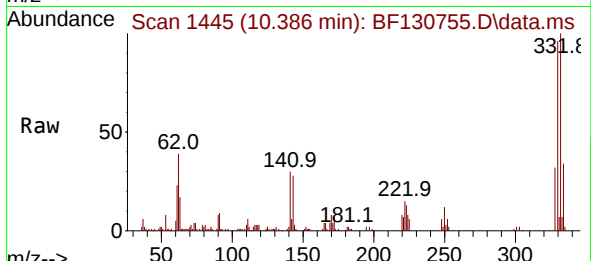
#42
2,4,6-Tribromophenol
Concen: 31.646 ng
RT: 10.386 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Instrument :

BNA_F

ClientSampleId :

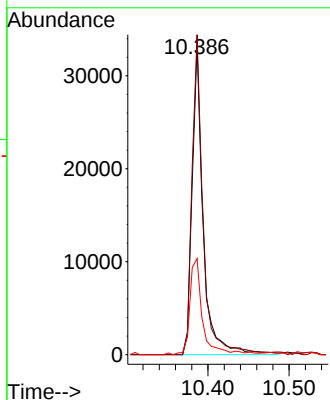
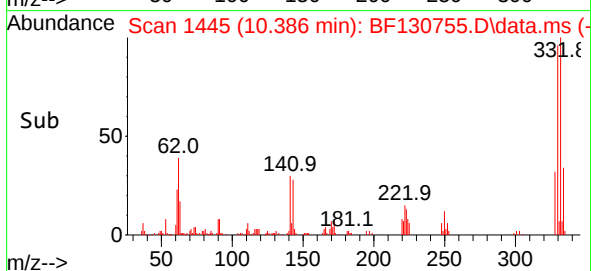
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Tgt Ion:330 Resp: 3168
Ion Ratio Lower Upper
330 100
332 102.9 81.4 122.2
141 35.9 24.6 37.0

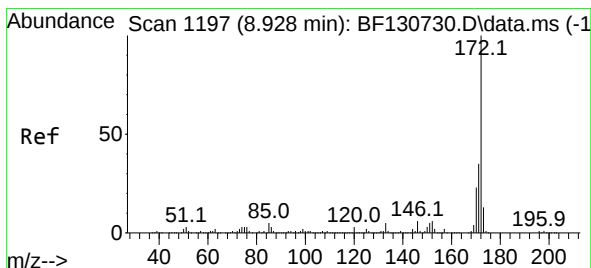
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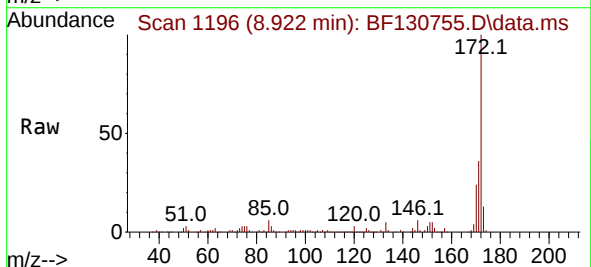


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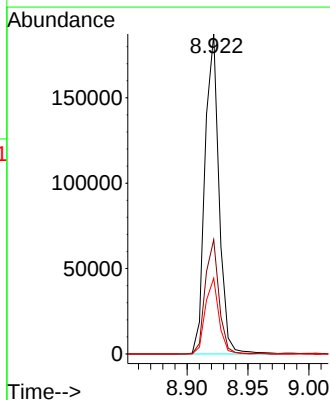
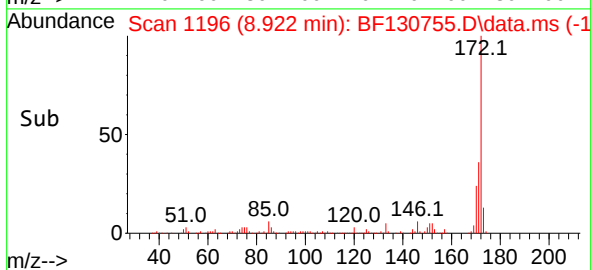
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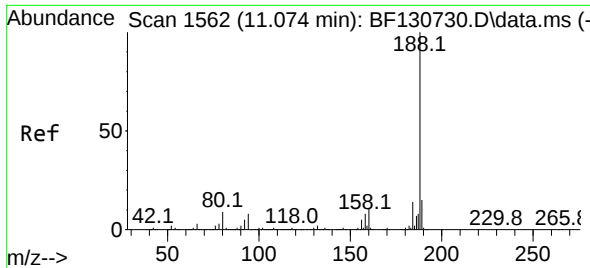


#45
2-Fluorobiphenyl
Concen: 21.819 ng
RT: 8.922 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28



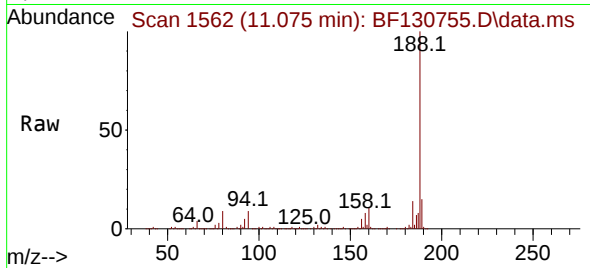
Tgt Ion:172 Resp: 150717
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 23.7 18.5 27.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.075 min Scan# 1562
Delta R.T. 0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

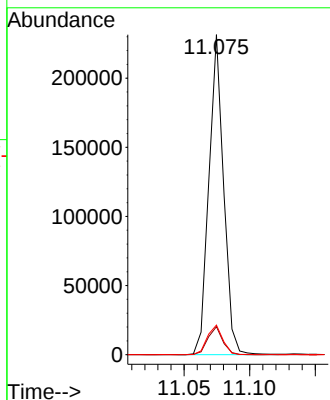
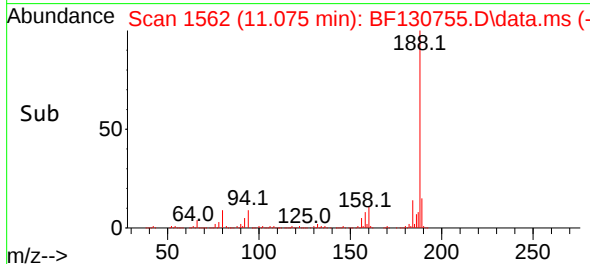
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-2



Tgt Ion:188 Resp: 181062
Ion Ratio Lower Upper
188 100
94 8.7 6.7 10.1
80 9.2 7.4 11.0

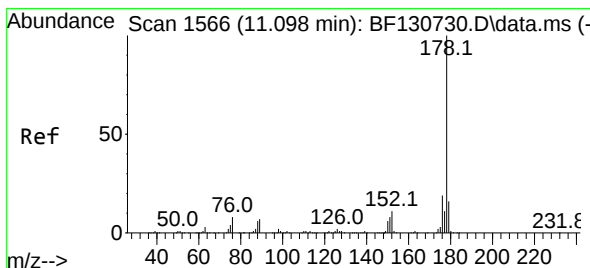
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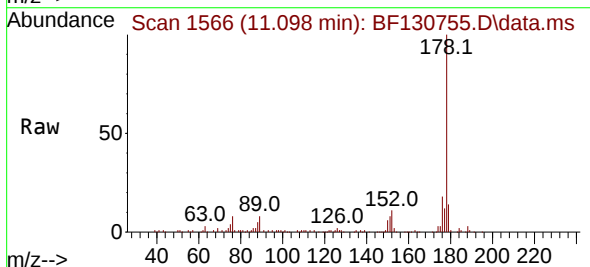


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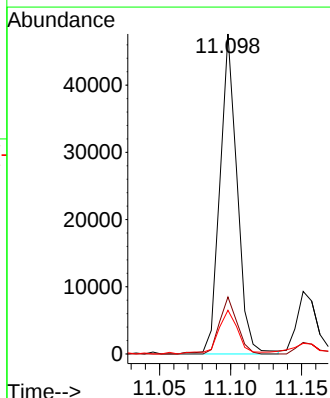
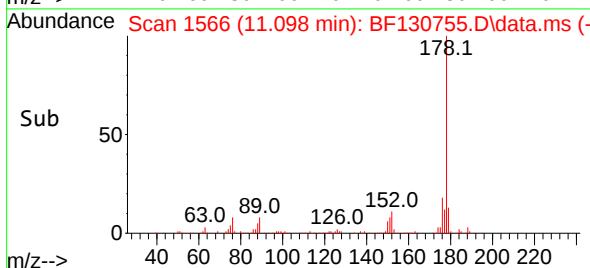
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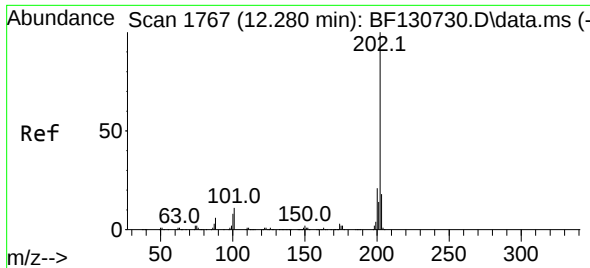


#71
Phenanthrene
Concen: 4.037 ng
RT: 11.098 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28



Tgt Ion:178 Resp: 40086
Ion Ratio Lower Upper
178 100
176 17.8 15.1 22.7
179 13.7 12.4 18.6





#75
Fluoranthene
Concen: 8.122 ng
RT: 12.286 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Instrument :

BNA_F

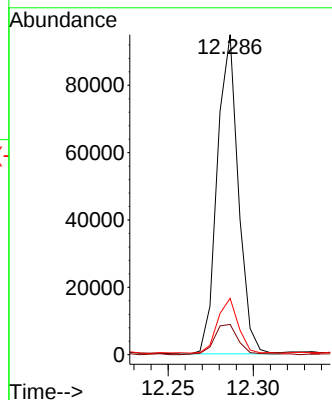
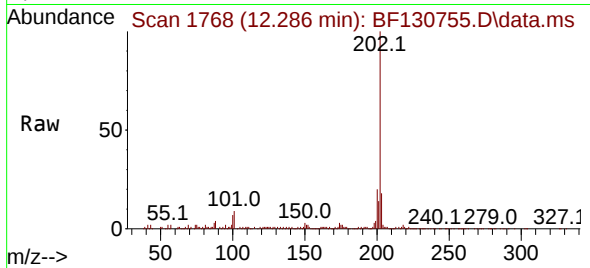
ClientSampleId :

LRH-COMP-2

Tgt Ion:202 Resp: 81520
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.0
203 17.6 0.0 37.6

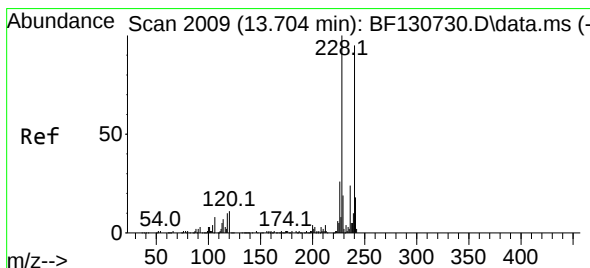
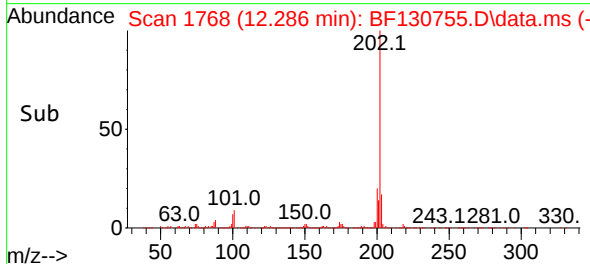
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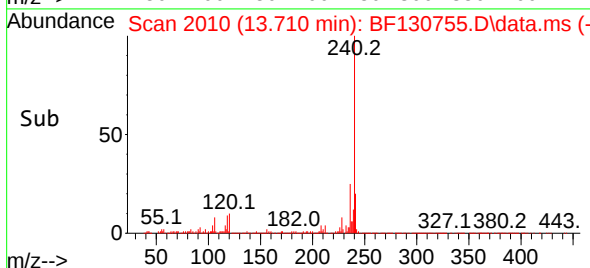
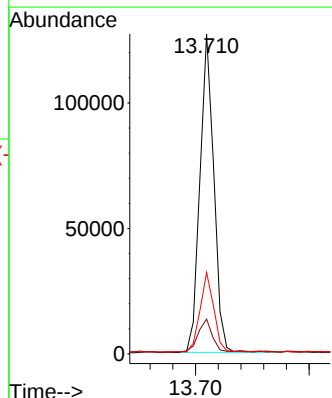
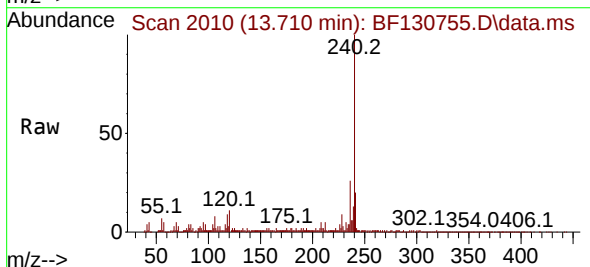
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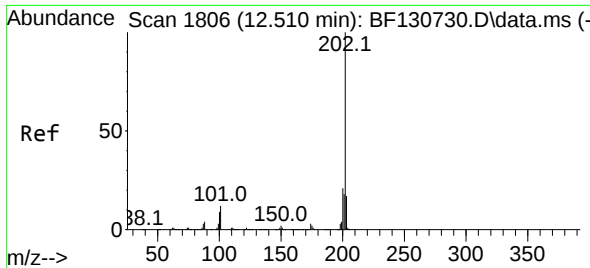
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.710 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Tgt Ion:240 Resp: 108176
Ion Ratio Lower Upper
240 100
120 10.9 9.6 14.4
236 25.5 20.2 30.2





#78
Pyrene
Concen: 8.595 ng
RT: 12.510 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Instrument :

BNA_F

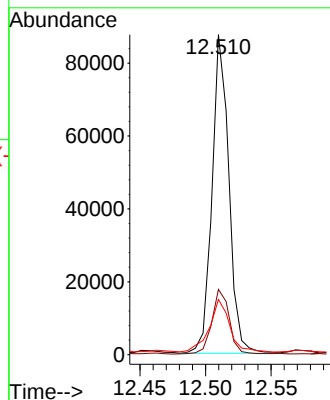
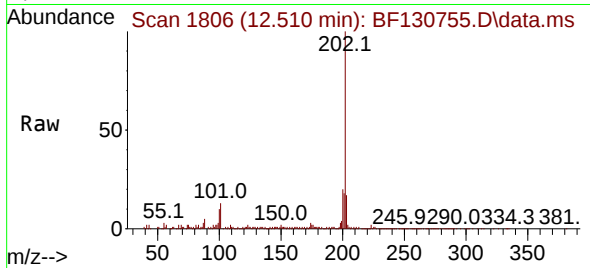
ClientSampleId :

LRH-COMP-2

Tgt Ion:202 Resp: 7804
Ion Ratio Lower Upper
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203 17.3 13.8 20.8

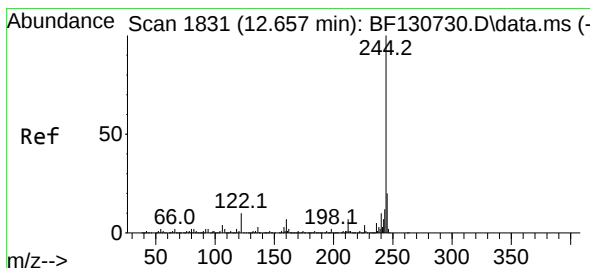
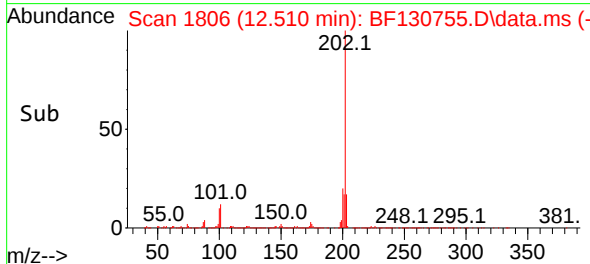
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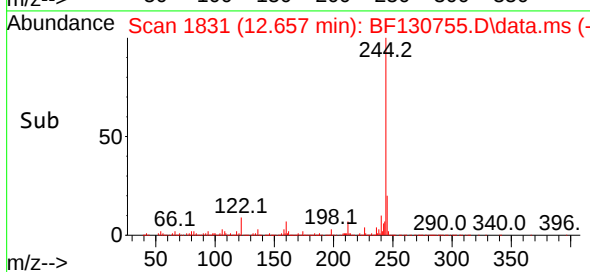
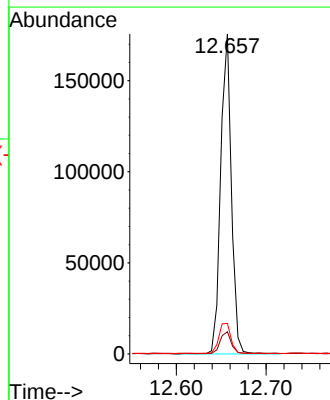
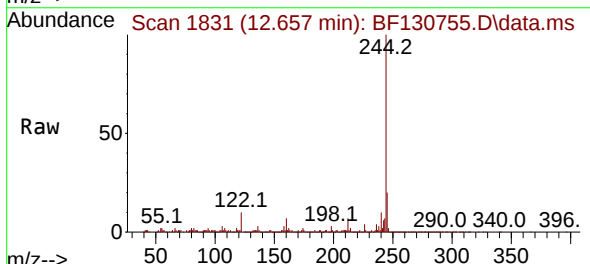
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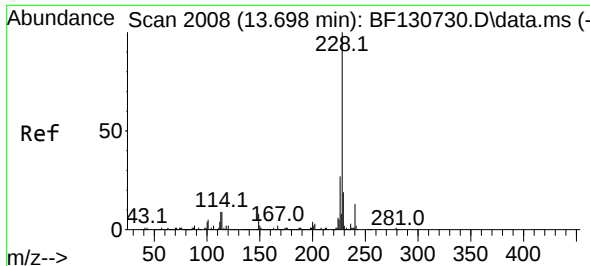
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#79
Terphenyl-d14
Concen: 22.707 ng
RT: 12.657 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Tgt Ion:244 Resp: 145762
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 9.6 8.2 12.4





#81
Benzo(a)anthracene
Concen: 4.805 ng
RT: 13.698 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Instrument :

BNF

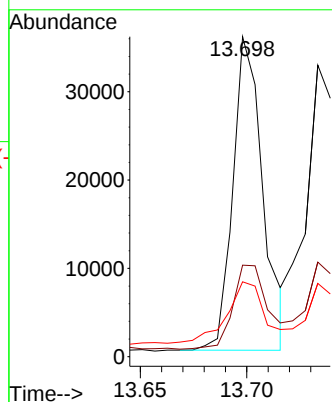
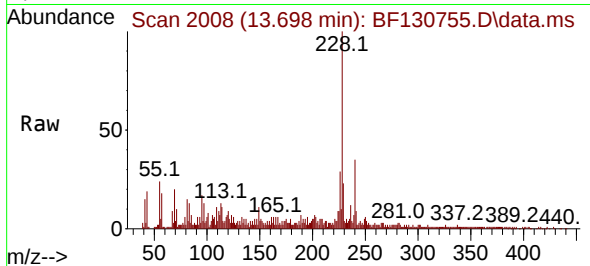
ClientSampleId :

LRH-COMP-2

Tgt Ion:228 Resp: 3473
Ion Ratio Lower Upper
228 100
226 28.6 21.8 32.8
229 23.4 15.4 23.2

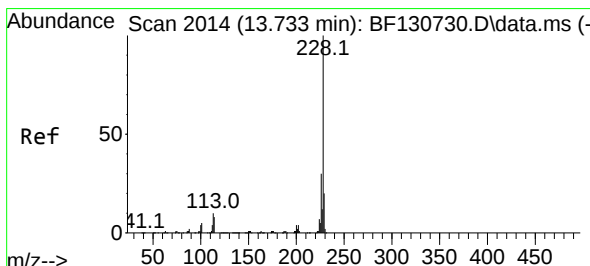
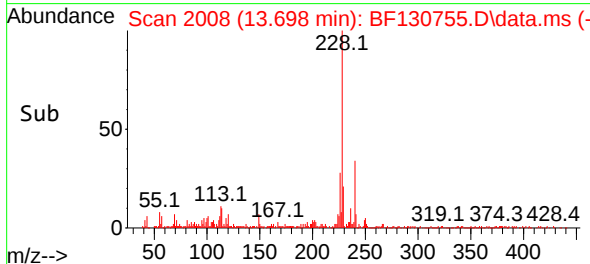
Manual Integrations
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Supervised By :Jagrut Upadhyay 10/24/2022



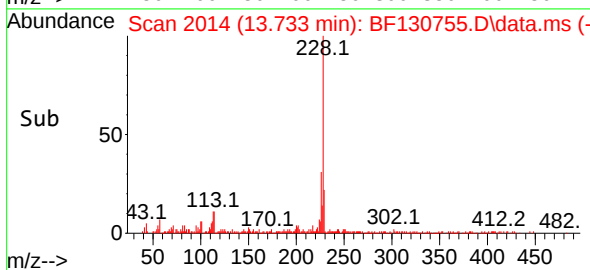
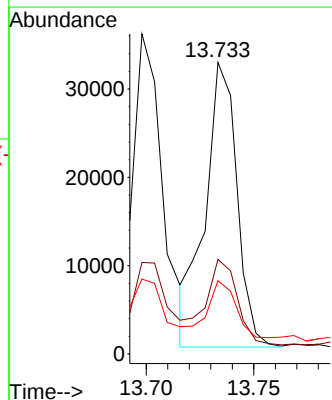
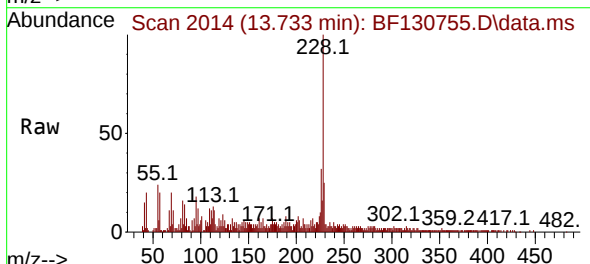
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Upadhyay

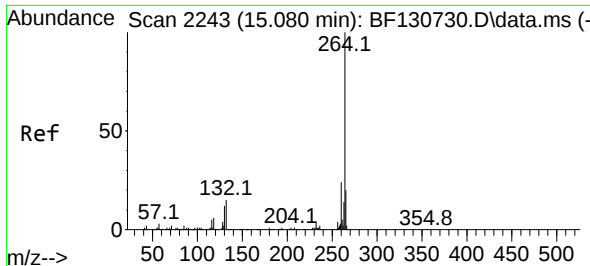
10/24/2022



#83
Chrysene
Concen: 4.737 ng m
RT: 13.733 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Tgt Ion:228 Resp: 33177
Ion Ratio Lower Upper
228 100
226 32.4 23.6 35.4
229 25.1 15.8 23.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.092 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Instrument :

BNF_F

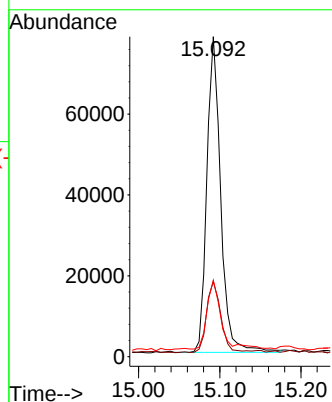
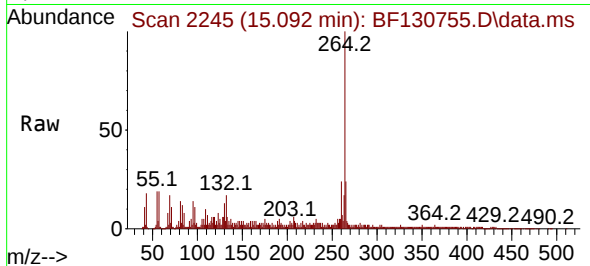
ClientSampleId :

LRH-COMP-2

Tgt Ion:264 Resp: 9236
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 23.9 16.2 24.4

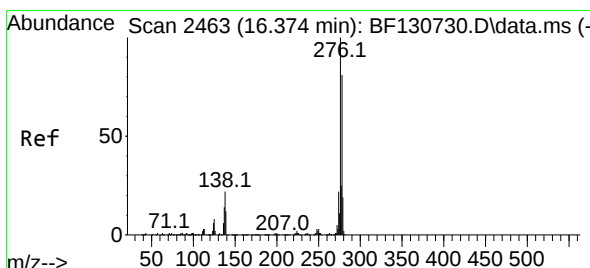
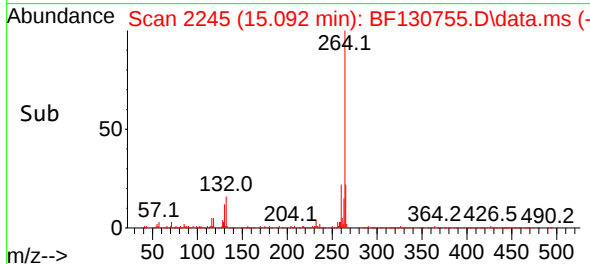
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Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



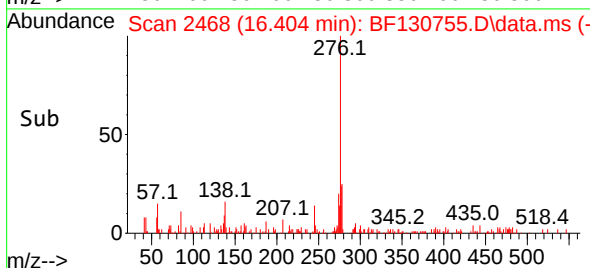
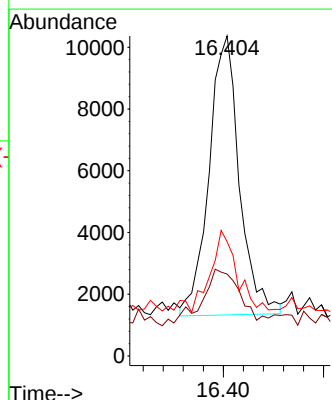
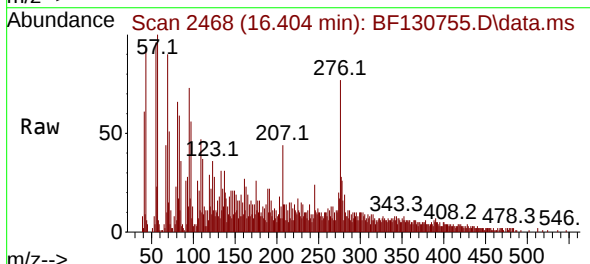
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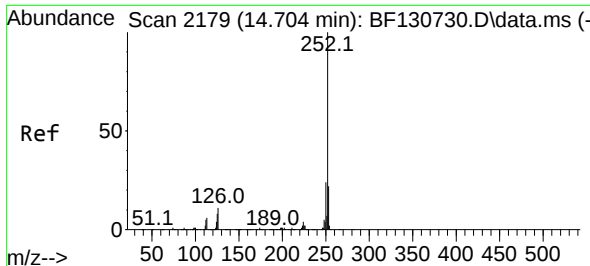
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.875 ng
RT: 16.404 min Scan# 2468
Delta R.T. 0.030 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

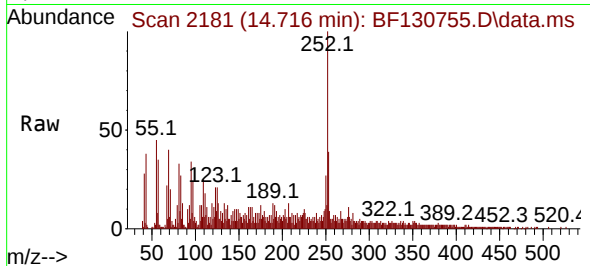
Tgt Ion:276 Resp: 19043
Ion Ratio Lower Upper
276 100
138 26.1 17.2 25.8#
277 31.0 20.1 30.1#





#88
Benzo(b)fluoranthene
Concen: 6.515 ng m
RT: 14.716 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

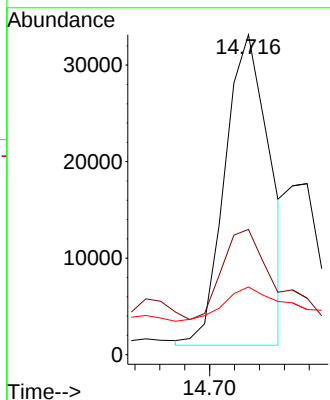
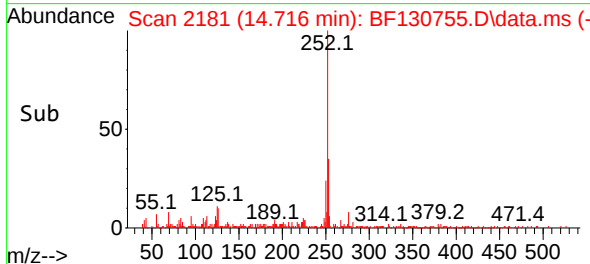
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-2



Tgt Ion:252 Resp: 40062
Ion Ratio Lower Upper
252 100
253 39.2 17.4 26.0#
125 21.2 6.4 9.6#

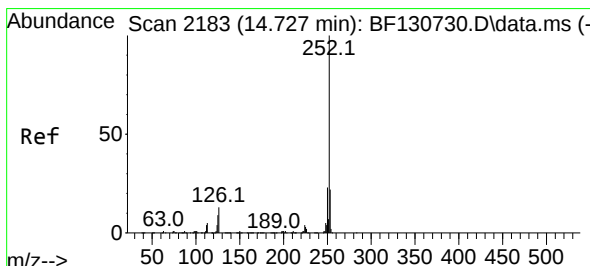
Manual Integrations
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Supervised By :Jagrut Upadhyay 10/24/2022



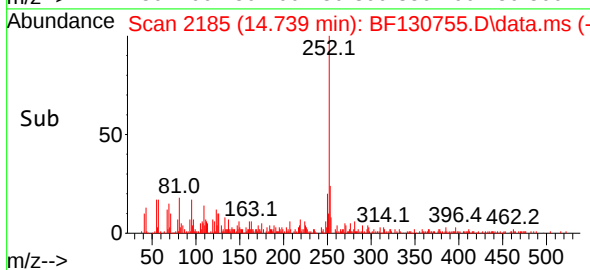
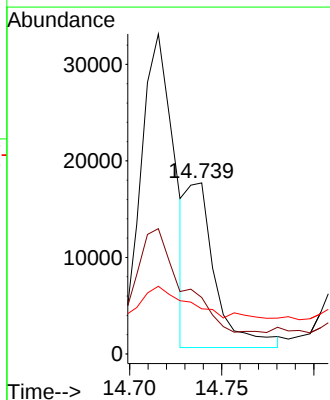
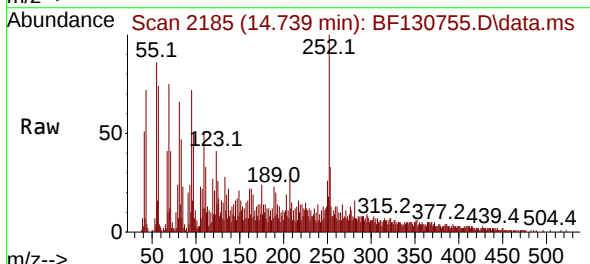
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Supervised By :Jagrut
Upadhyay

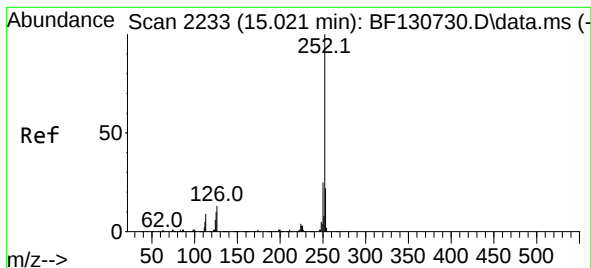
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#89
Benzo(k)fluoranthene
Concen: 2.982 ng m
RT: 14.739 min Scan# 2185
Delta R.T. 0.012 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Tgt Ion:252 Resp: 18424
Ion Ratio Lower Upper
252 100
253 33.0 17.7 26.5#
125 26.4 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 5.593 ng

RT: 15.039 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

Instrument :

BNF

ClientSampleId :

LRH-COMP-2

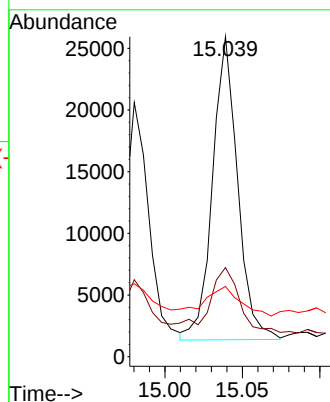
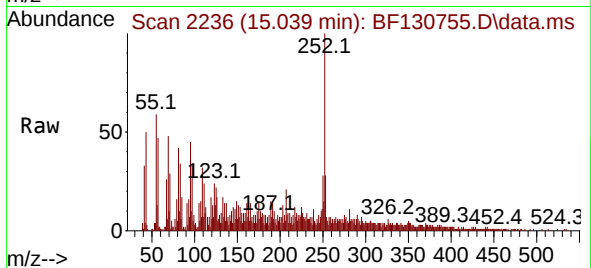
Tgt Ion:	252	Resp:	27624
Ion Ratio	Lower	Upper	
252	100		
253	27.8	17.4	26.0
125	22.0	8.3	12.5

Manual Integrations

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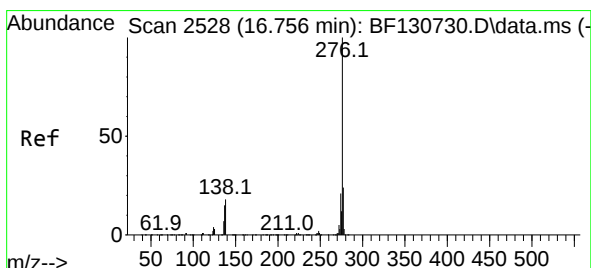
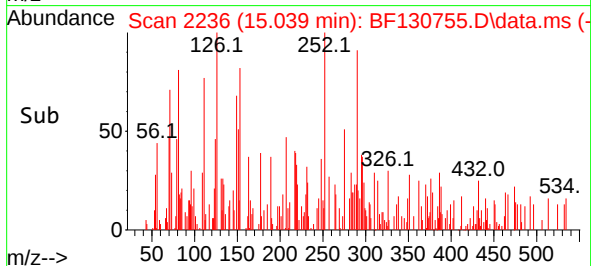
Reviewed By :Christian Giraldo 10/24/2022

Supervised By :Jagrut Upadhyay 10/24/2022



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Upadhyay

10/24/2022



#92

Benzo(g,h,i)perylene

Concen: 4.458 ng

RT: 16.798 min Scan# 2535

Delta R.T. 0.041 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

Tgt Ion:	276	Resp:	24472
Ion Ratio	Lower	Upper	
276	100		
277	30.4	19.1	28.7
138	22.6	14.2	21.2

