

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102422\
 Data File : BF130762.D
 Acq On : 24 Oct 2022 15:29
 Operator : CG\JU
 Sample : N5229-01DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LRH-COMP-1DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/25/2022
 Supervised By : mohammad ahmed 10/27/2022

Quant Time: Oct 24 23:23:16 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	73524	20.000	ng	0.00
21) Naphthalene-d8	7.845	136	269222	20.000	ng	0.00
39) Acenaphthene-d10	9.592	164	123663	20.000	ng	0.00
64) Phenanthrene-d10	11.075	188	231330	20.000	ng	0.00
76) Chrysene-d12	13.710	240	230467	20.000	ng	0.00
86) Perylene-d12	15.086	264	223651	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	179438	42.085	ng	0.01
7) Phenol-d6	6.222	99	228354	44.265	ng	0.00
23) Nitrobenzene-d5	7.134	82	151671	29.885	ng	0.00
42) 2,4,6-Tribromophenol	10.386	330	50699	43.110	ng	0.00
45) 2-Fluorobiphenyl	8.922	172	253477	31.237	ng	0.00
79) Terphenyl-d14	12.651	244	269754	19.725	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.622	154	13729	2.090	ng	97
58) Fluorene	10.139	166	22847	2.717	ng	96
71) Phenanthrene	11.098	178	454675	35.842	ng	99
72) Anthracene	11.151	178	173003	13.666	ng	99
73) Carbazole	11.316	167	133815	11.449	ng	99
75) Fluoranthene	12.286	202	755404	58.903	ng	100
78) Pyrene	12.510	202	618795	31.987	ng	99
81) Benzo(a)anthracene	13.698	228	461839	29.991	ng	98
83) Chrysene	13.733	228	420738	28.198	ng	98
85) Di-n-octyl phthalate	14.298	149	36774	3.068	ng	# 85
87) Indeno(1,2,3-cd)pyrene	16.386	276	150966	9.412	ng	98
88) Benzo(b)fluoranthene	14.710	252	507341m	34.070	ng	
89) Benzo(k)fluoranthene	14.733	252	144555m	9.662	ng	
90) Benzo(a)pyrene	15.033	252	284597	23.795	ng	99
91) Dibenzo(a,h)anthracene	16.386	278	39730	2.998	ng	# 80
92) Benzo(g,h,i)perylene	16.774	276	125873	9.469	ng	94

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

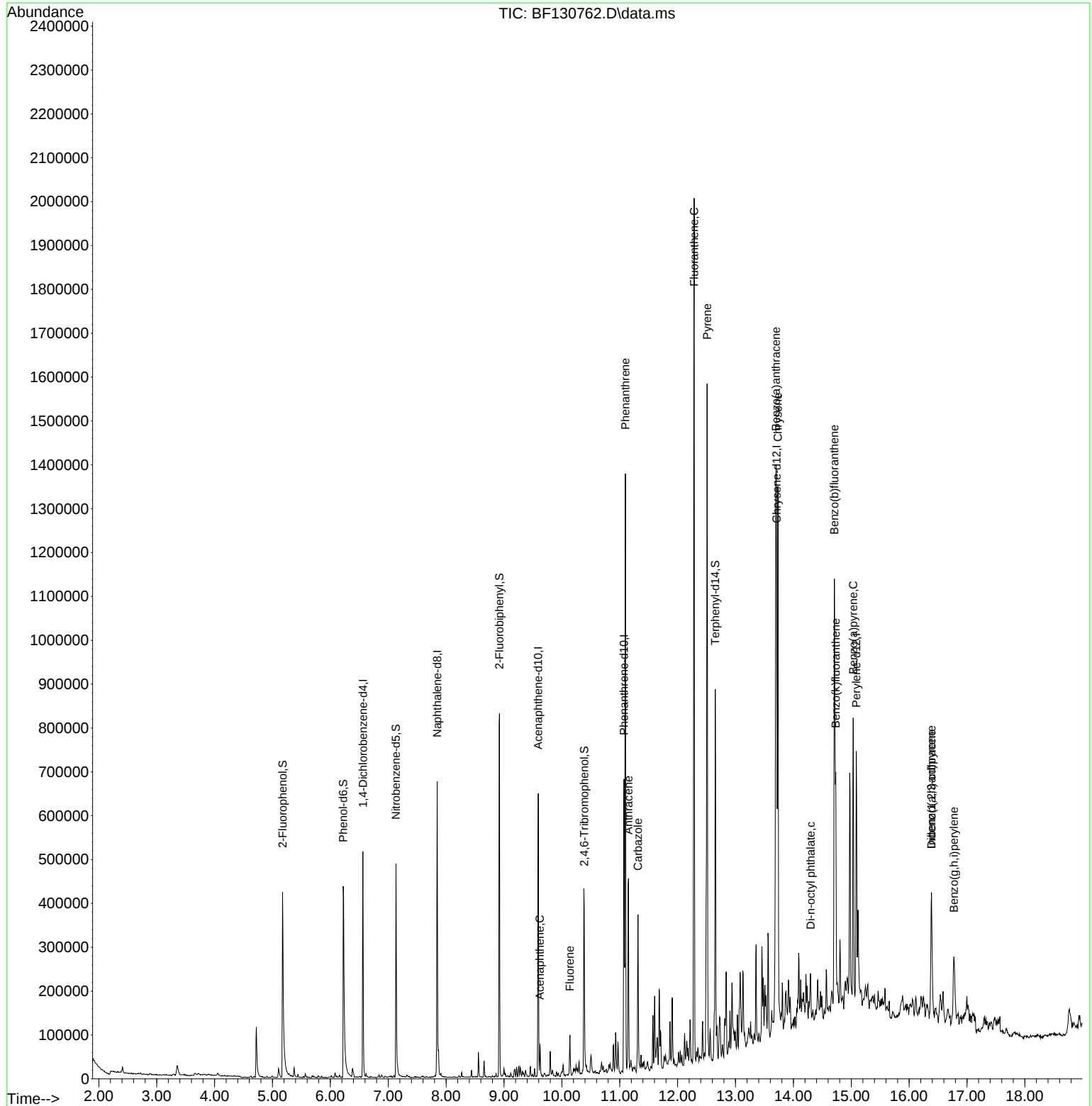
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102422\
Data File : BF130762.D
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ALS Vial : 7 Sample Multiplier: 1

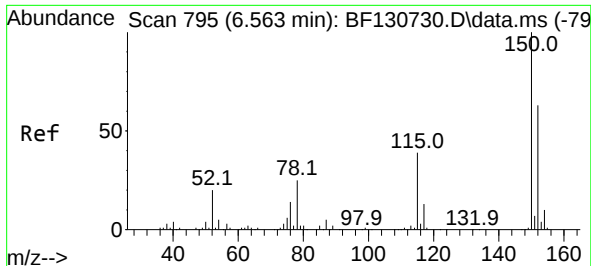
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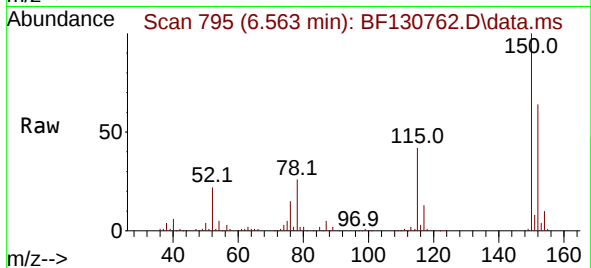
Quant Time: Oct 24 23:23:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 21 06:12:36 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

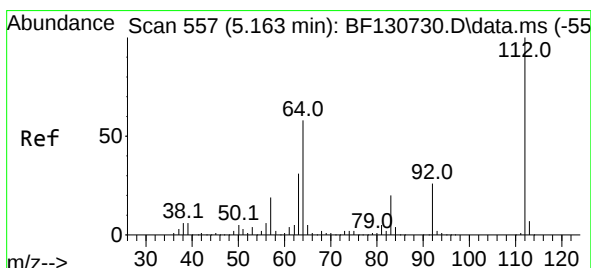
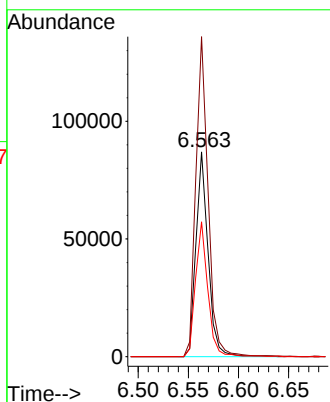
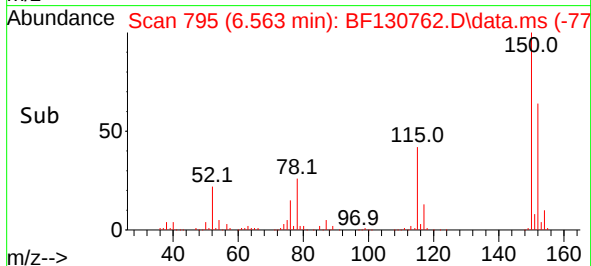
Instrument :
BNA_F
ClientSampleId :
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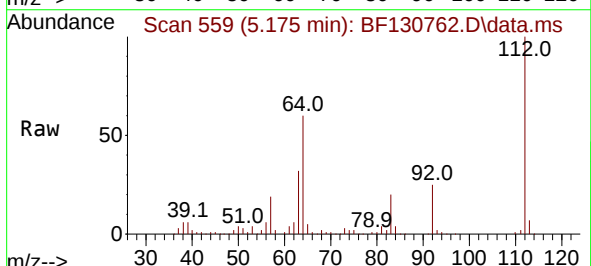
Tgt Ion:152 Resp: 73524
Ion Ratio Lower Upper
152 100
150 156.3 127.0 190.6
115 65.9 49.9 74.9

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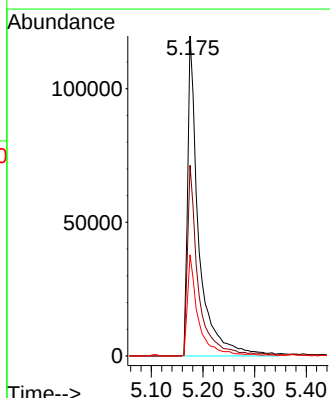
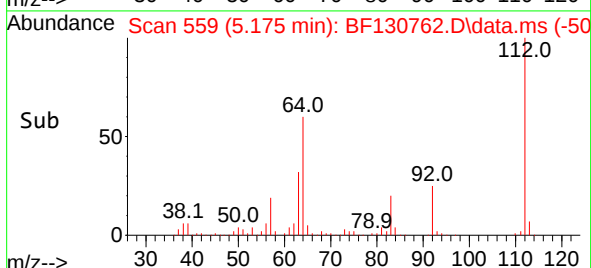
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

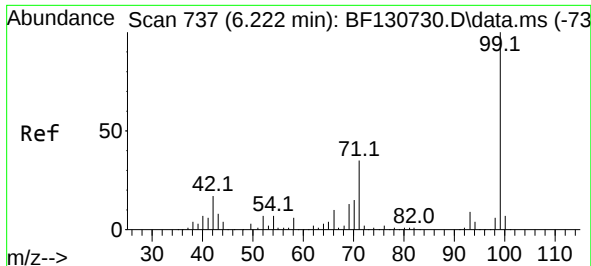


#5
2-Fluorophenol
Concen: 42.085 ng
RT: 5.175 min Scan# 559
Delta R.T. 0.012 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29



Tgt Ion:112 Resp: 179438
Ion Ratio Lower Upper
112 100
64 59.6 46.2 69.4
63 31.6 25.1 37.7





#7

Phenol-d6

Concen: 44.265 ng

RT: 6.222 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF130762.D

Acq: 24 Oct 2022 15:29

Instrument :

BNA_F

ClientSampleId :

LRH-COMP-1DL

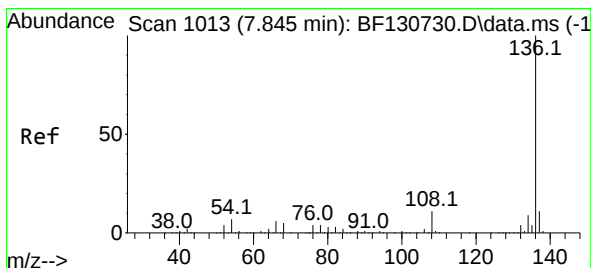
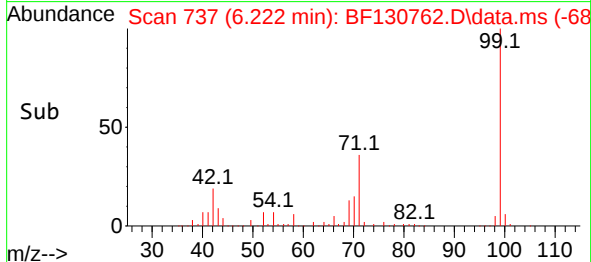
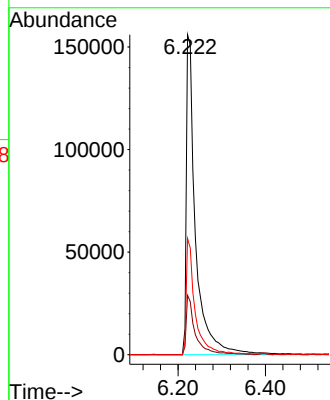
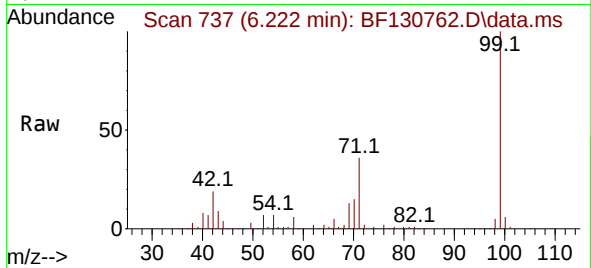
Tgt Ion: 99 Resp: 228354

Ion	Ratio	Lower	Upper
99	100		
42	18.6	13.8	20.8
71	36.3	28.3	42.5

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.845 min Scan# 1013

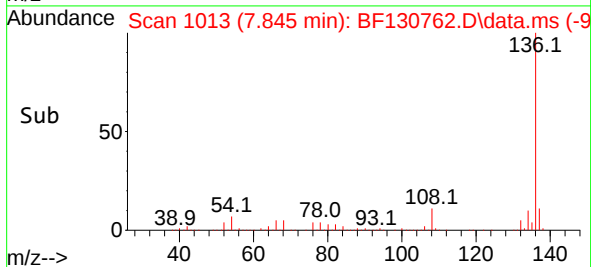
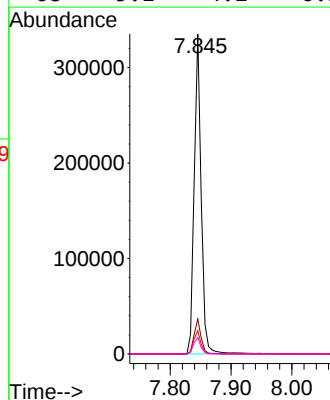
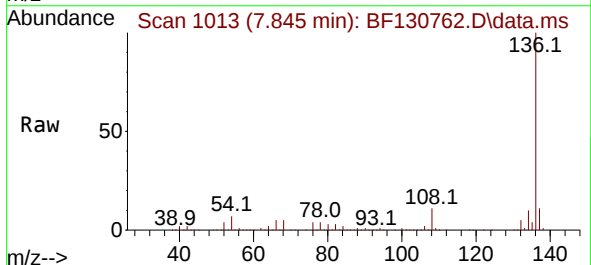
Delta R.T. 0.000 min

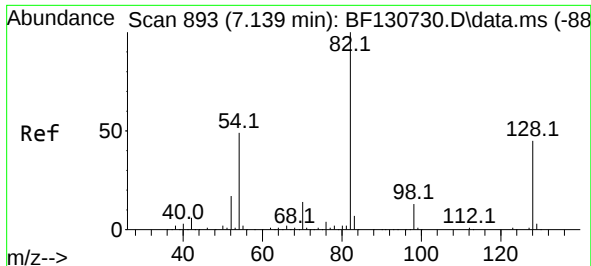
Lab File: BF130762.D

Acq: 24 Oct 2022 15:29

Tgt Ion:136 Resp: 269222

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	7.2	5.8	8.8
68	5.1	4.2	6.2





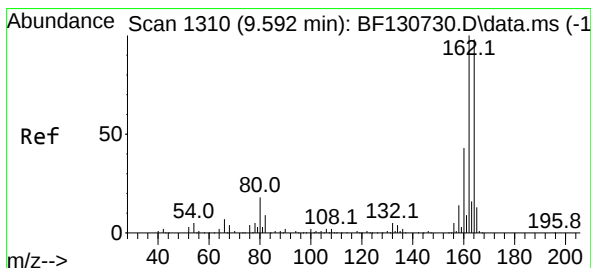
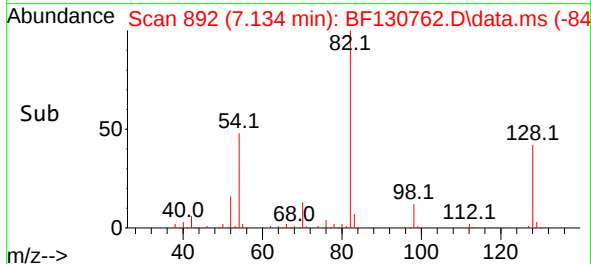
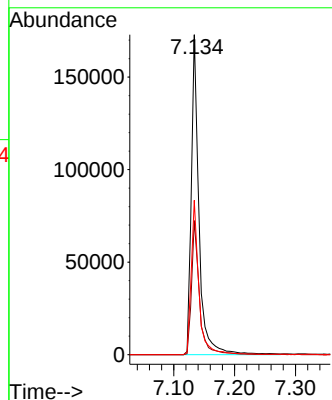
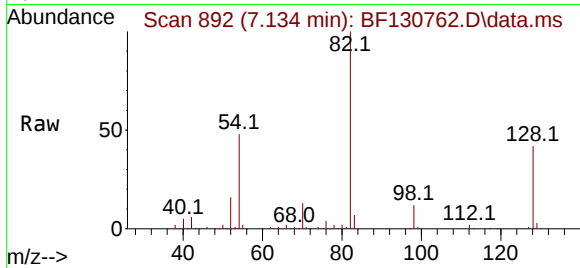
#23
Nitrobenzene-d5
Concen: 29.885 ng
RT: 7.134 min Scan# 893
Delta R.T. -0.005 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

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Tgt Ion: 82 Resp: 15167
Ion Ratio Lower Upper
82 100
128 41.9 35.9 53.9
54 48.2 39.2 58.8

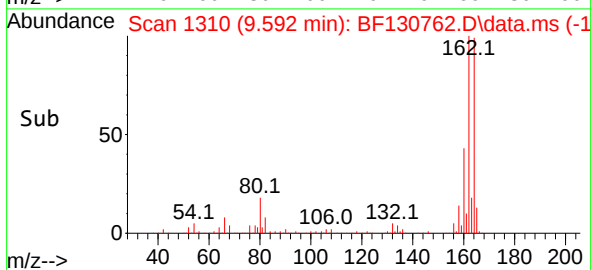
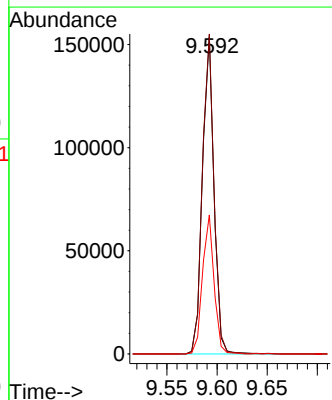
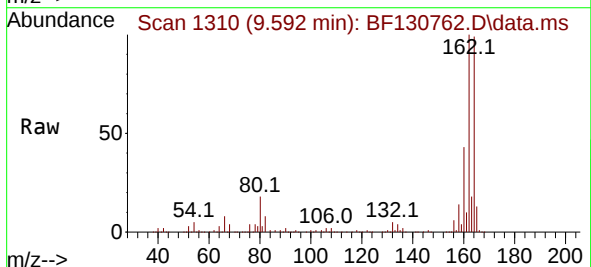
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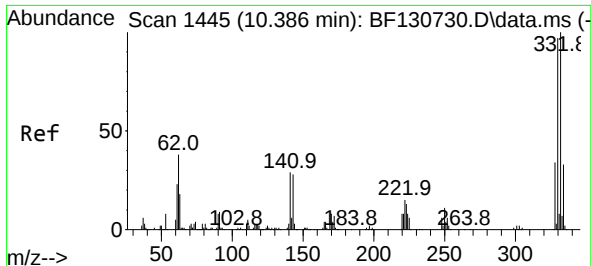
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.592 min Scan# 1310
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

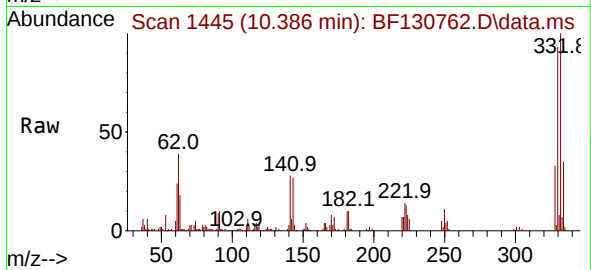
Tgt Ion:164 Resp: 123663
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 43.8 35.0 52.4





#42
2,4,6-Tribromophenol
Concen: 43.110 ng
RT: 10.386 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

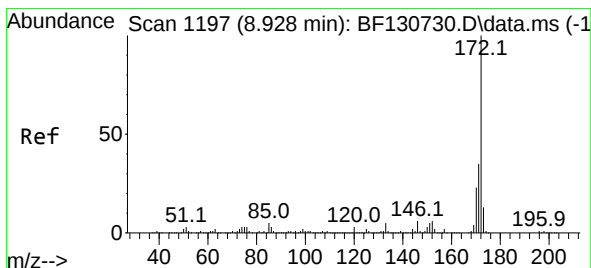
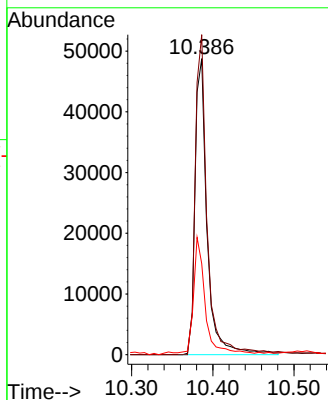
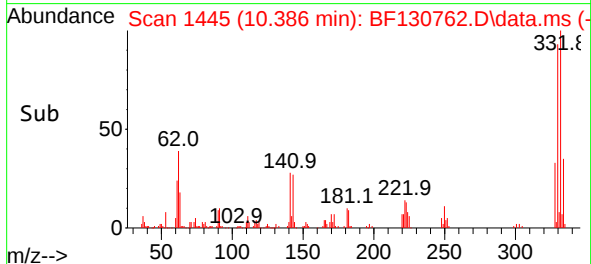
Instrument :
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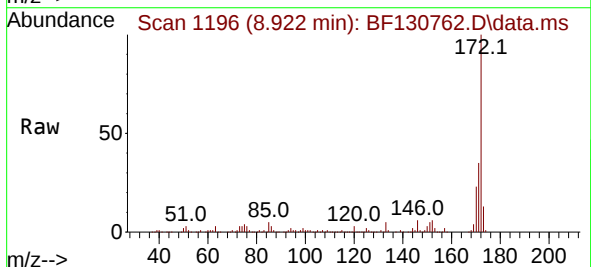
Tgt Ion: 330 Resp: 50699
Ion Ratio Lower Upper
330 100
332 108.2 81.4 122.2
141 37.1 24.6 37.0

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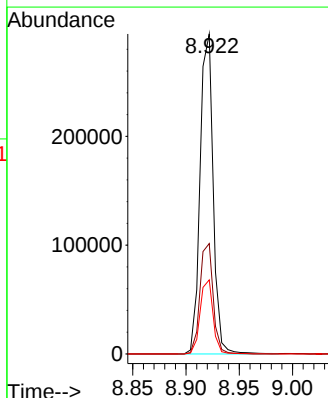
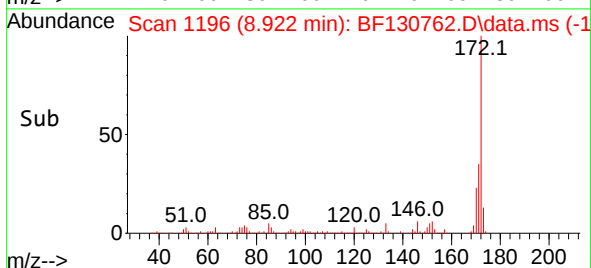
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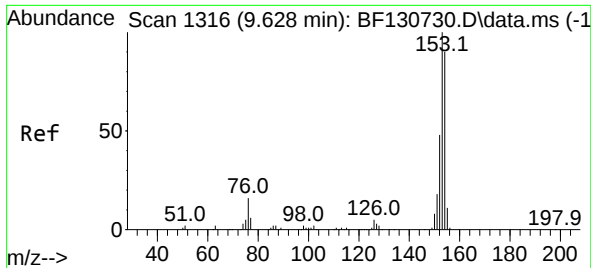


#45
2-Fluorobiphenyl
Concen: 31.237 ng
RT: 8.922 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29



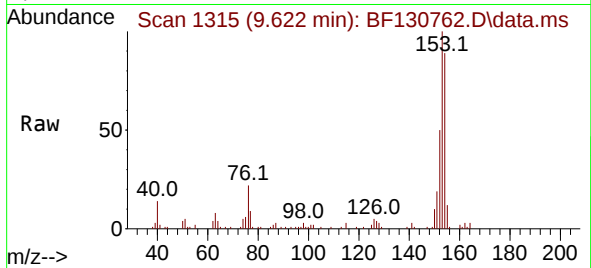
Tgt Ion: 172 Resp: 253477
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.2
170 23.1 18.5 27.7





#52
Acenaphthene
Concen: 2.090 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

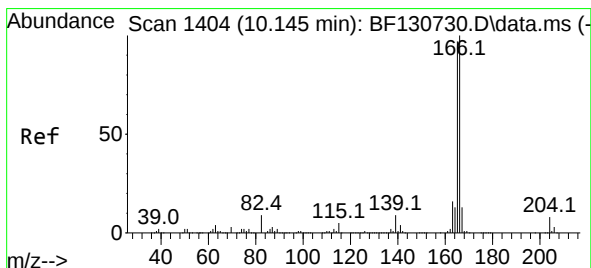
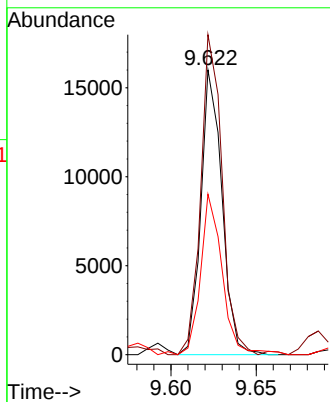
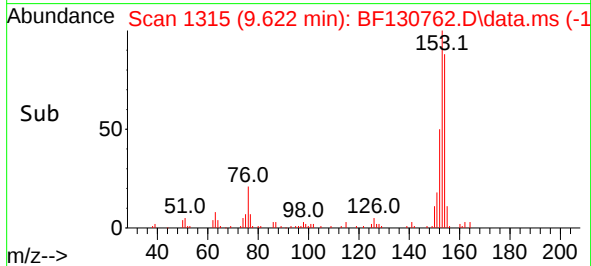
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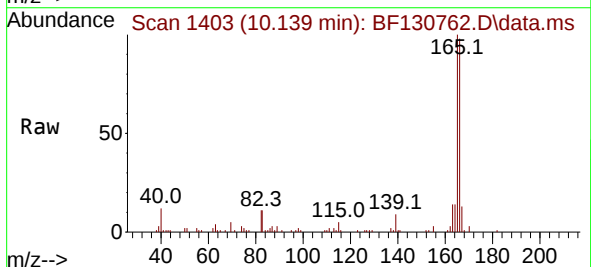
Tgt Ion:154 Resp: 13729
Ion Ratio Lower Upper
154 100
153 112.3 88.4 132.6
152 56.3 42.0 63.0

Manual Integrations
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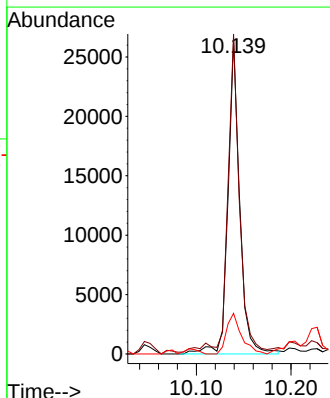
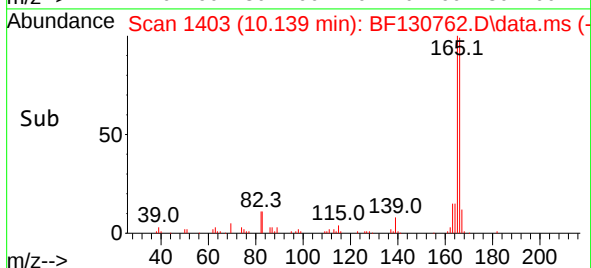
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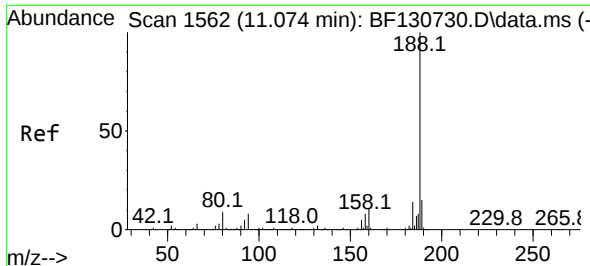


#58
Fluorene
Concen: 2.717 ng
RT: 10.139 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29



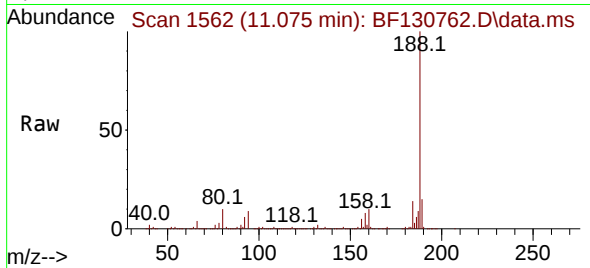
Tgt Ion:166 Resp: 22847
Ion Ratio Lower Upper
166 100
165 101.8 77.6 116.4
167 12.9 10.3 15.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.075 min Scan# 1562
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

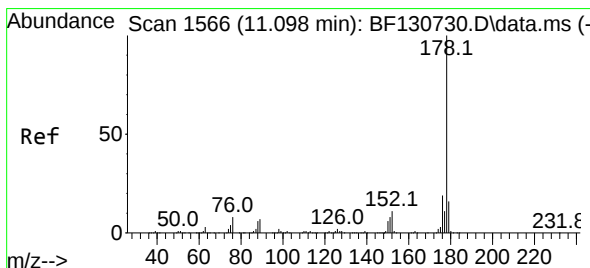
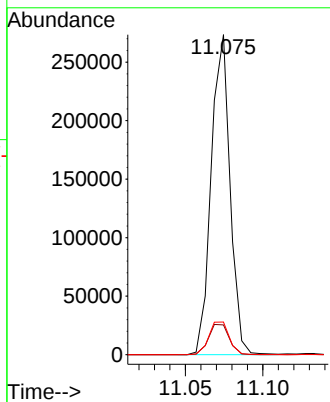
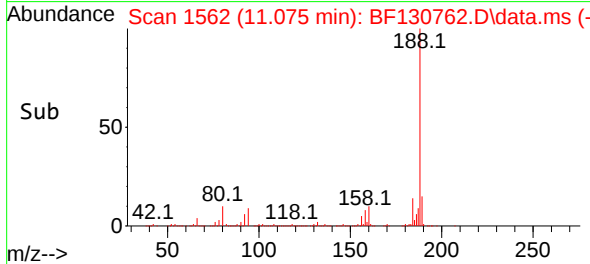
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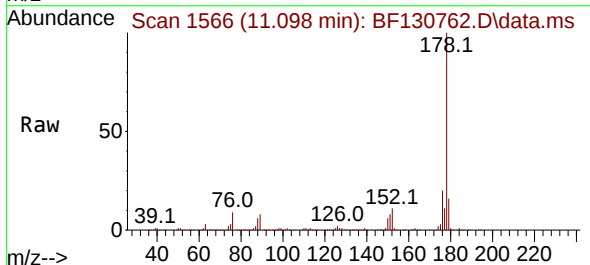
Tgt Ion:188 Resp: 231330
Ion Ratio Lower Upper
188 100
94 9.3 6.7 10.1
80 10.2 7.4 11.0

Manual Integrations
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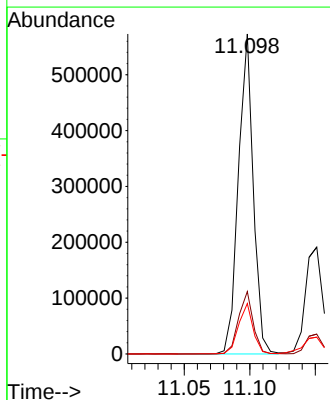
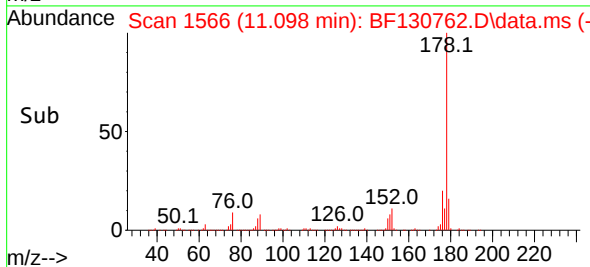
Reviewed By :Christian Giraldo 10/25/2022
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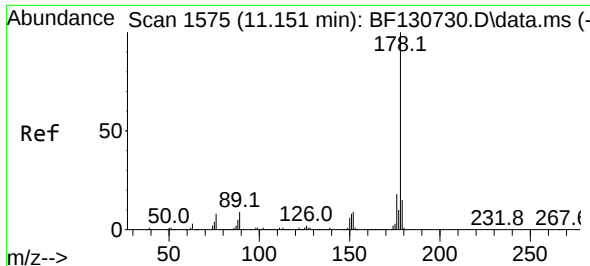


#71
Phenanthrene
Concen: 35.842 ng
RT: 11.098 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29



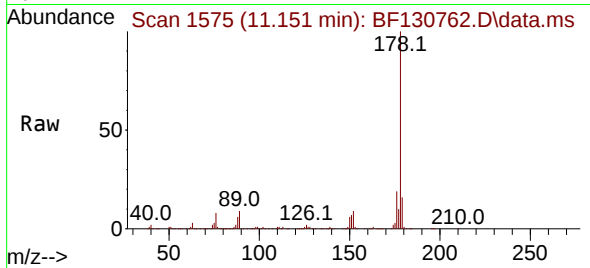
Tgt Ion:178 Resp: 454675
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.7 12.4 18.6





#72
 Anthracene
 Concen: 13.666 ng
 RT: 11.151 min Scan# 1575
 Delta R.T. 0.000 min
 Lab File: BF130762.D
 Acq: 24 Oct 2022 15:29

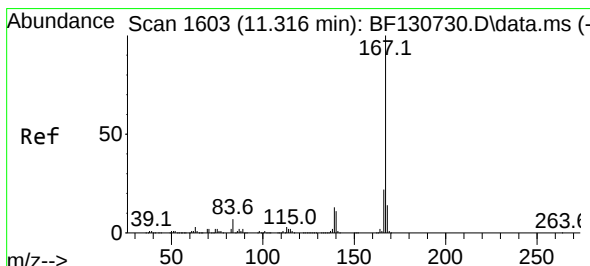
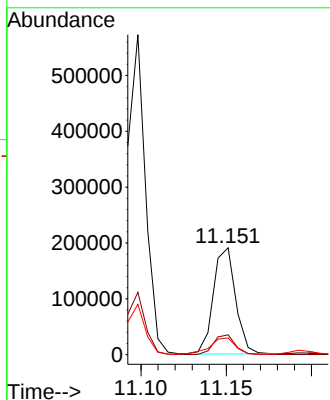
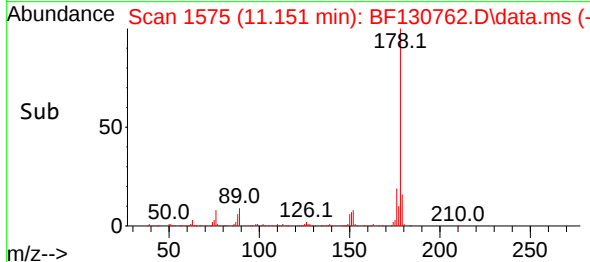
Instrument :
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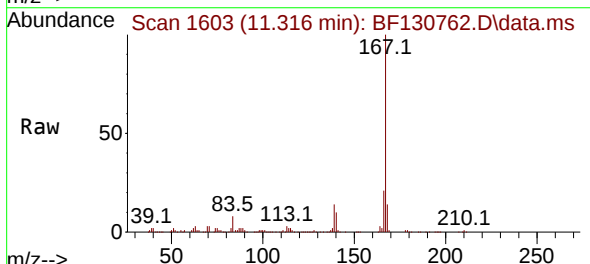
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 Ion Ratio Lower Upper
 178 100
 176 18.6 14.6 21.8
 179 15.8 12.4 18.6

Manual Integrations
 APPROVED

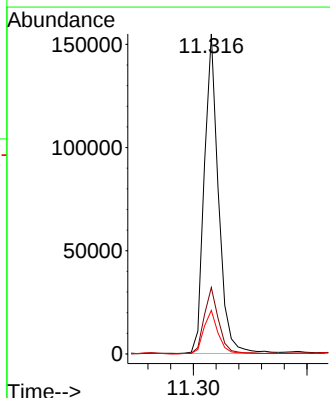
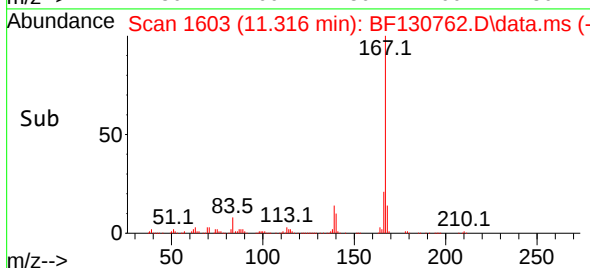
Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022

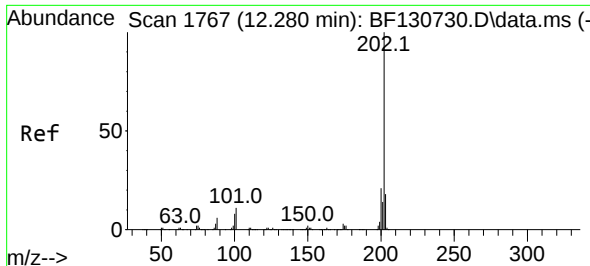


#73
 Carbazole
 Concen: 11.449 ng
 RT: 11.316 min Scan# 1603
 Delta R.T. 0.000 min
 Lab File: BF130762.D
 Acq: 24 Oct 2022 15:29



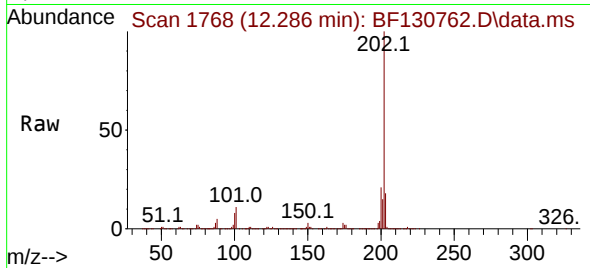
Tgt Ion:167 Resp: 133815
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.3 25.9
 139 13.6 10.7 16.1





#75
Fluoranthene
Concen: 58.903 ng
RT: 12.286 min Scan# 1767
Delta R.T. 0.006 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

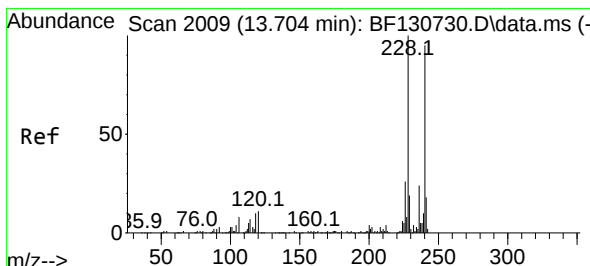
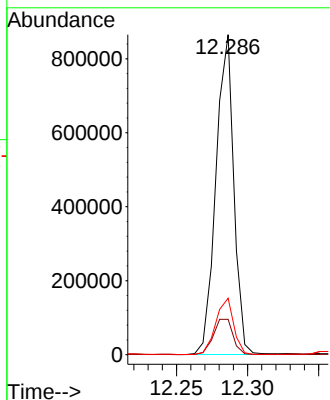
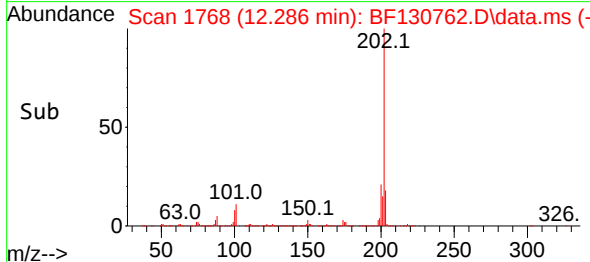
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL



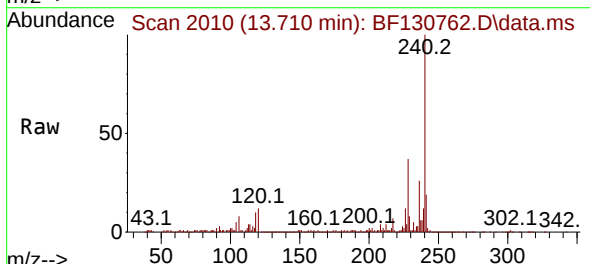
Tgt Ion:202 Resp: 755404
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.0
203 17.7 0.0 37.6

Manual Integrations
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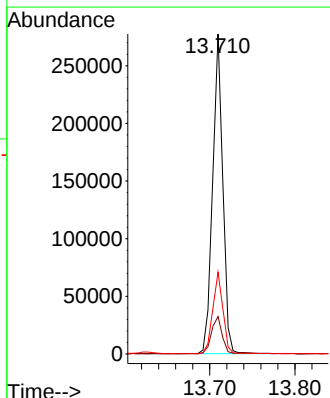
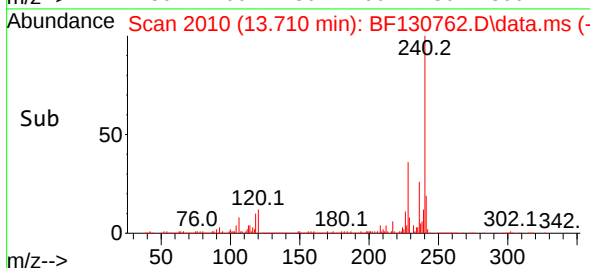
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

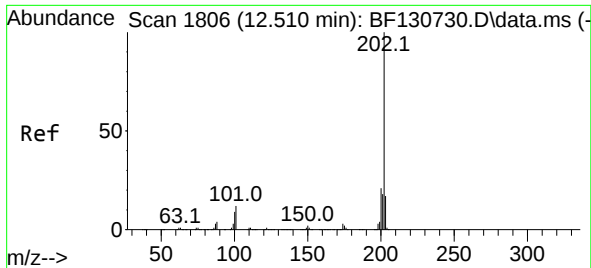


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.710 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29



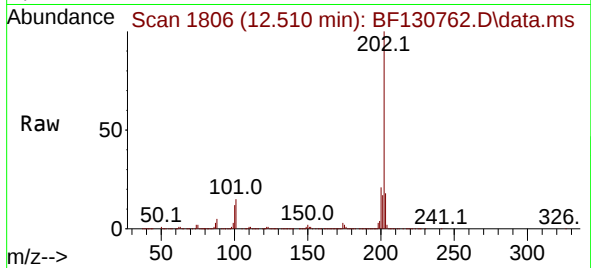
Tgt Ion:240 Resp: 230467
Ion Ratio Lower Upper
240 100
120 11.7 9.6 14.4
236 25.6 20.2 30.2





#78
Pyrene
Concen: 31.987 ng
RT: 12.510 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

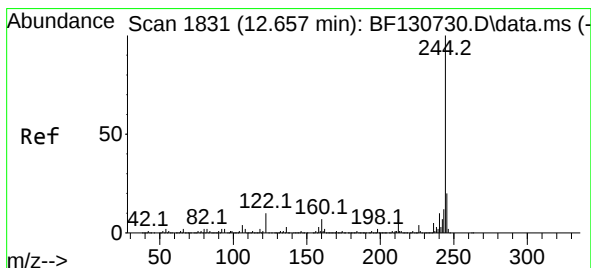
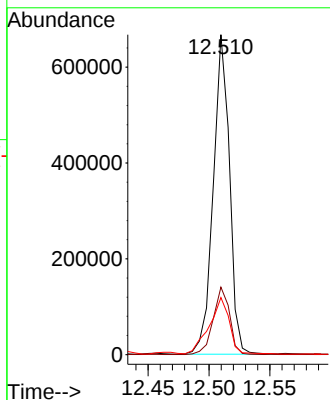
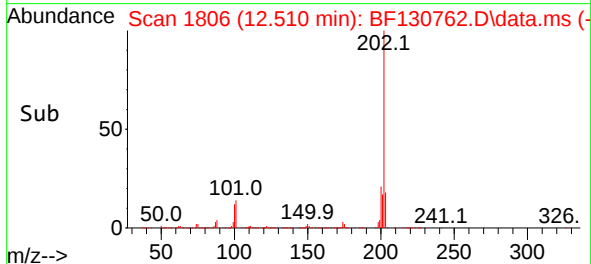
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL



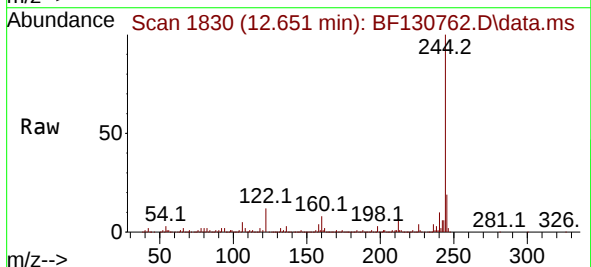
Tgt Ion:202 Resp: 61879
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 17.8 13.8 20.8

Manual Integrations
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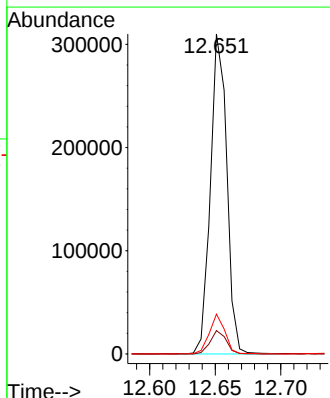
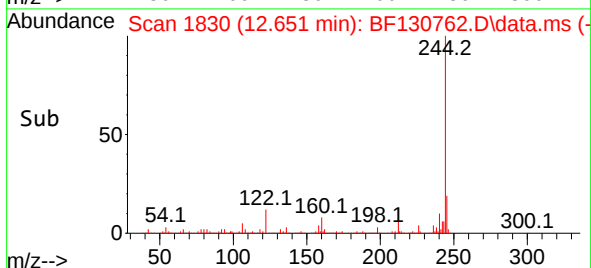
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

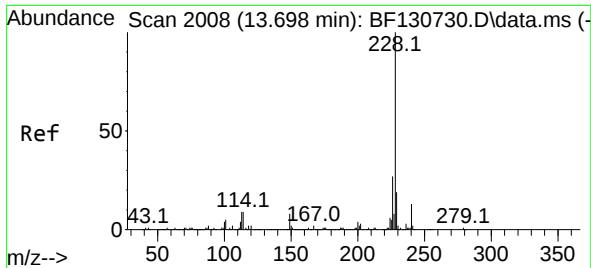


#79
Terphenyl-d14
Concen: 19.725 ng
RT: 12.651 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29



Tgt Ion:244 Resp: 269754
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.0
122 12.5 8.2 12.4





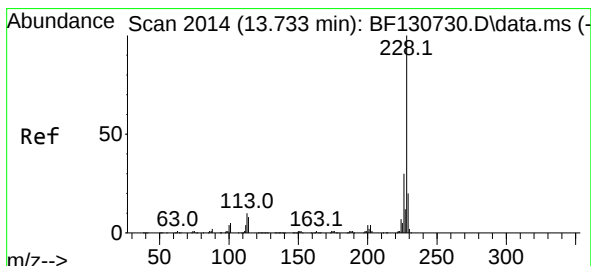
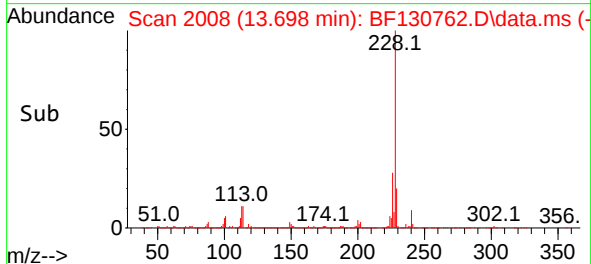
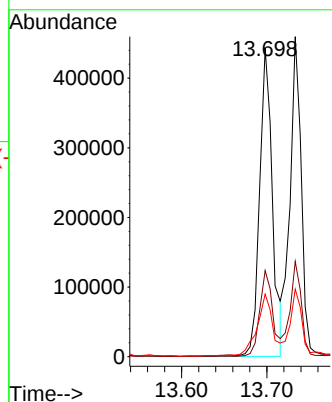
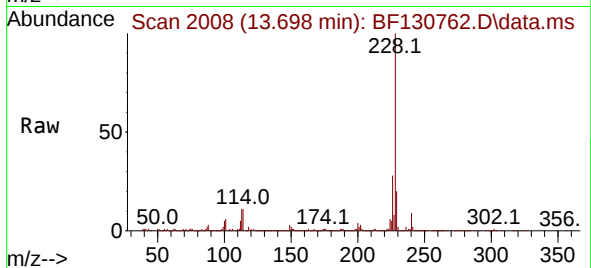
#81
Benzo(a)anthracene
Concen: 29.991 ng
RT: 13.698 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL

Tgt Ion:228 Resp: 461839
Ion Ratio Lower Upper
228 100
226 27.9 21.8 32.8
229 20.3 15.4 23.2

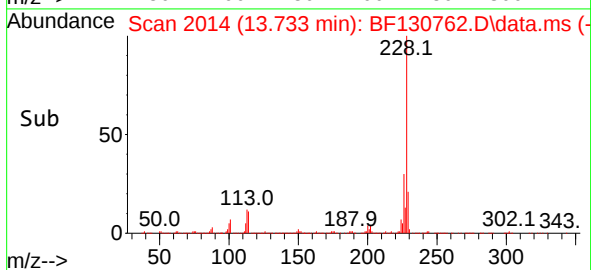
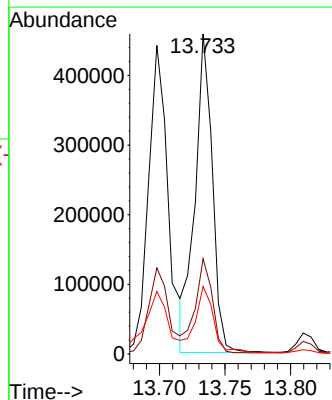
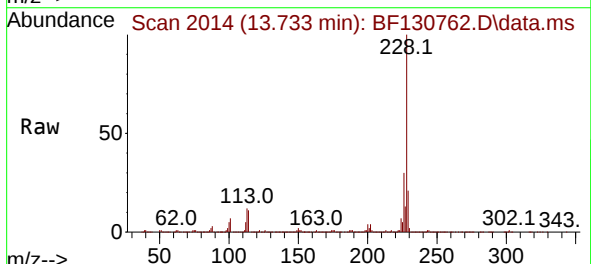
Manual Integrations
APPROVED

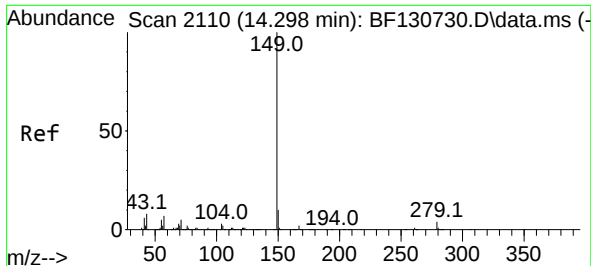
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#83
Chrysene
Concen: 28.198 ng
RT: 13.733 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

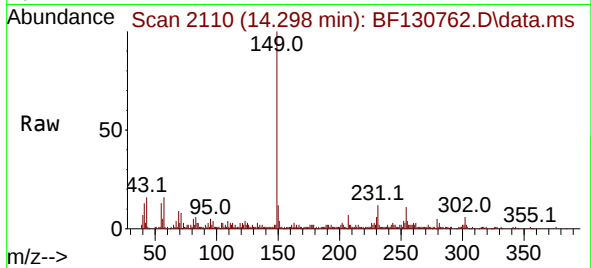
Tgt Ion:228 Resp: 420738
Ion Ratio Lower Upper
228 100
226 29.8 23.6 35.4
229 21.1 15.8 23.6





#85
Di-n-octyl phthalate
Concen: 3.068 ng
RT: 14.298 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

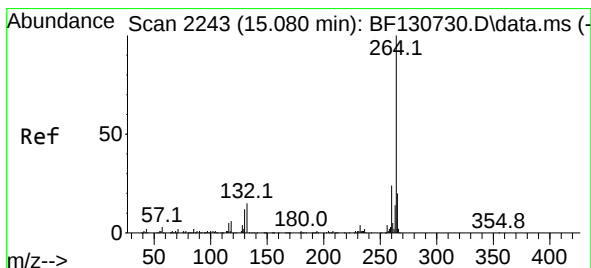
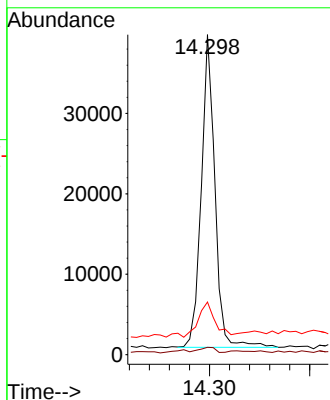
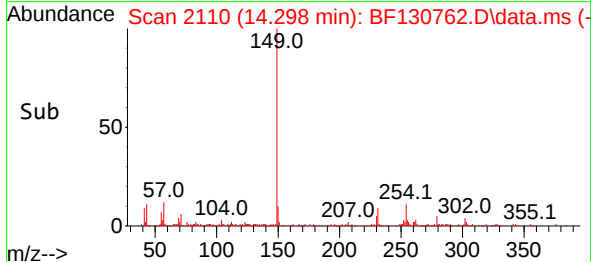
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL



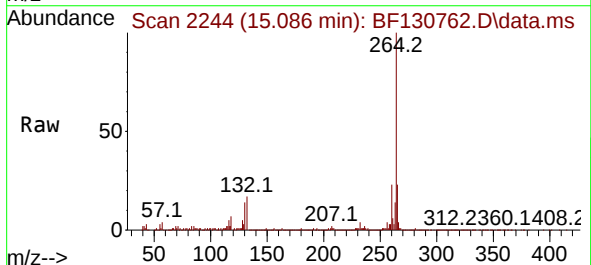
Tgt Ion:149 Resp: 36774
Ion Ratio Lower Upper
149 100
167 1.8 1.2 1.8
43 14.9 7.0 10.4

Manual Integrations
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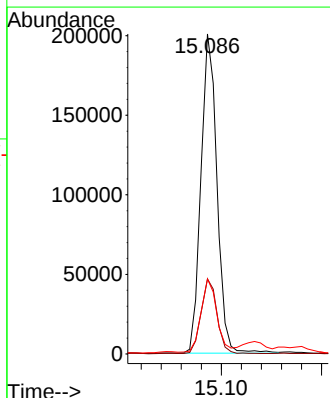
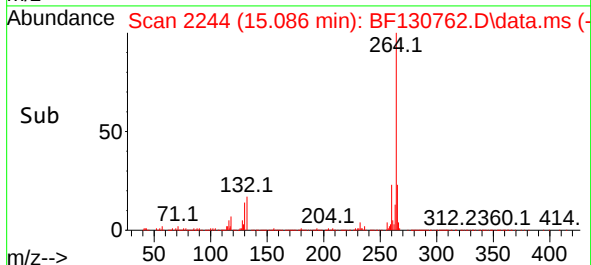
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

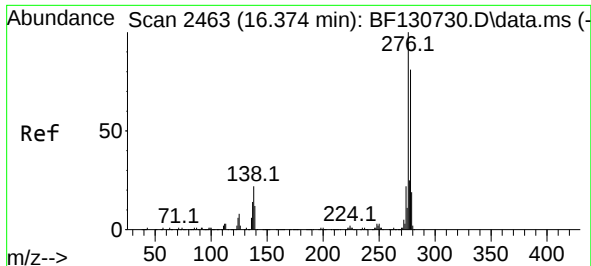


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.086 min Scan# 2244
Delta R.T. 0.006 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29



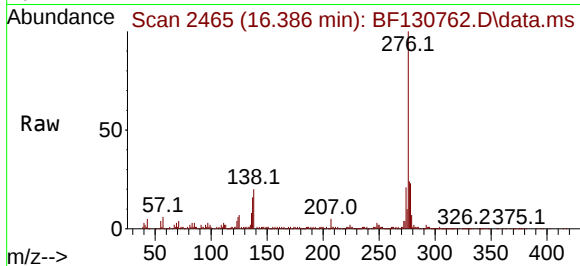
Tgt Ion:264 Resp: 223651
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 23.5 16.2 24.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.412 ng
RT: 16.386 min Scan# 2463
Delta R.T. 0.012 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

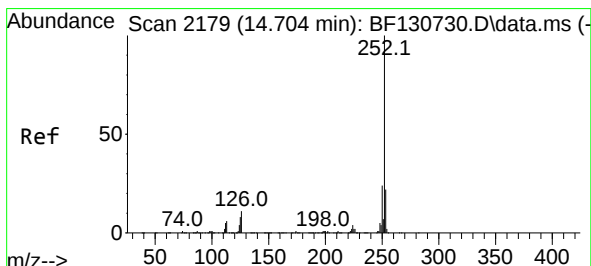
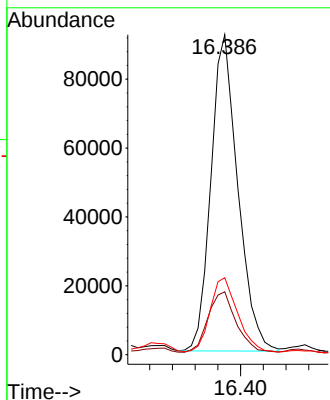
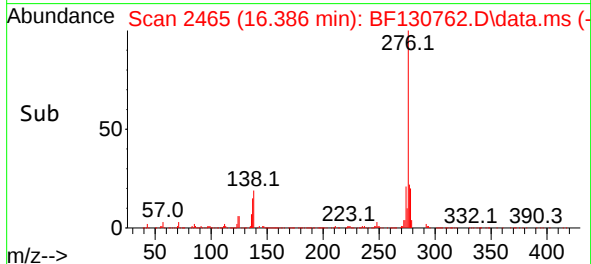
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL



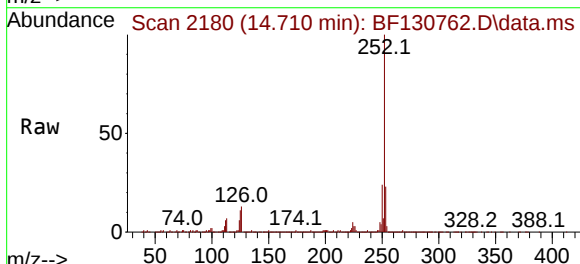
Tgt Ion: 276 Resp: 150960
Ion Ratio Lower Upper
276 100
138 20.7 17.2 25.8
277 24.1 20.1 30.1

Manual Integrations
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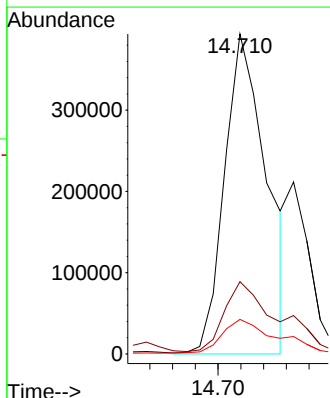
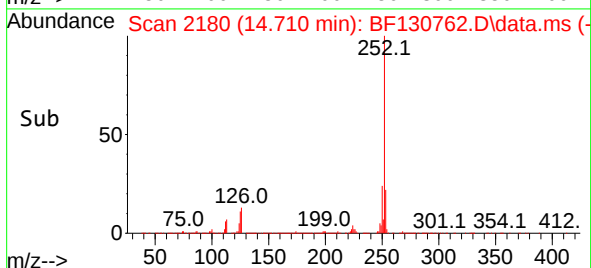
Reviewed By : Christian Giraldo 10/25/2022
Supervised By : mohammad ahmed 10/27/2022

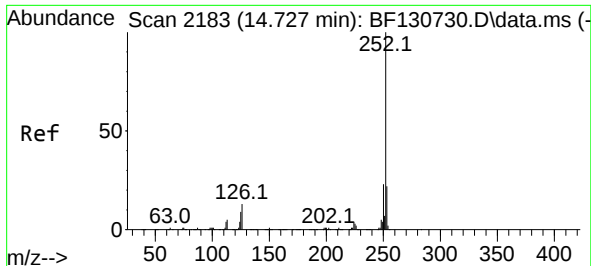


#88
Benzo(b)fluoranthene
Concen: 34.070 ng m
RT: 14.710 min Scan# 2180
Delta R.T. 0.006 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29



Tgt Ion: 252 Resp: 507341
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 10.8 6.4 9.6#





#89

Benzo(k)fluoranthene

Concen: 9.662 ng m

RT: 14.733 min Scan# 2183

Delta R.T. 0.006 min

Lab File: BF130762.D

Acq: 24 Oct 2022 15:29

Instrument :

BNA_F

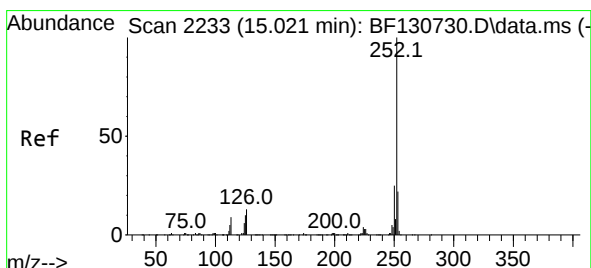
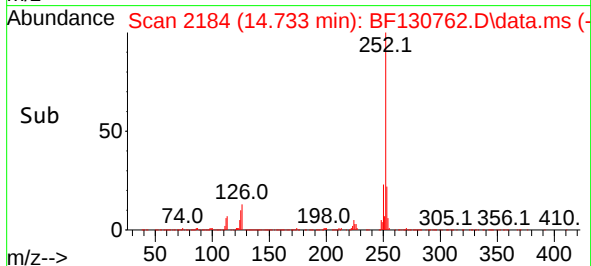
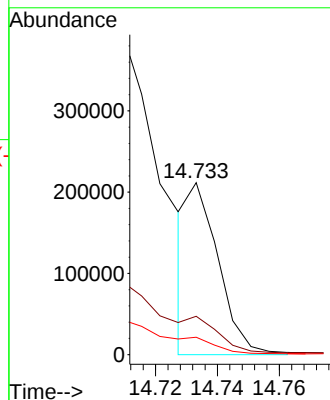
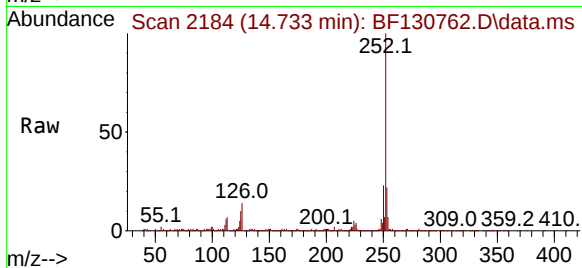
ClientSampleId :

LRH-COMP-1DL

Tgt Ion:252 Resp: 144558
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.7 26.5
 125 10.1 7.2 10.8

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022



#90

Benzo(a)pyrene

Concen: 23.795 ng

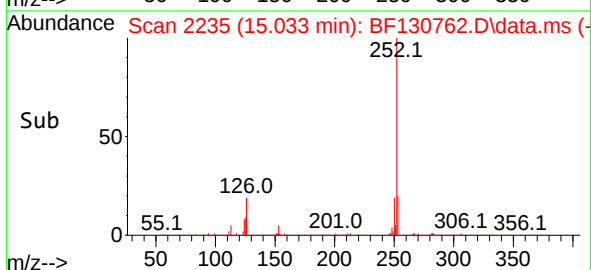
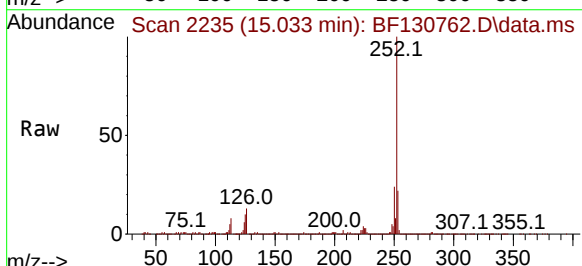
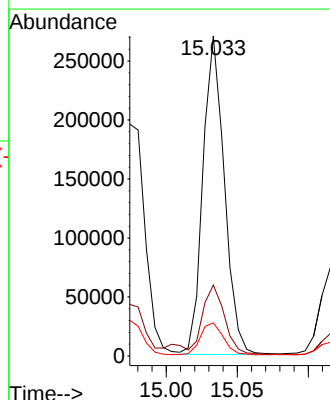
RT: 15.033 min Scan# 2235

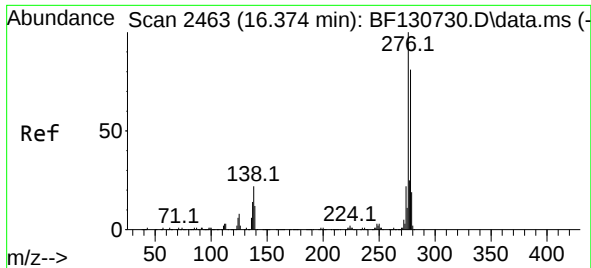
Delta R.T. 0.012 min

Lab File: BF130762.D

Acq: 24 Oct 2022 15:29

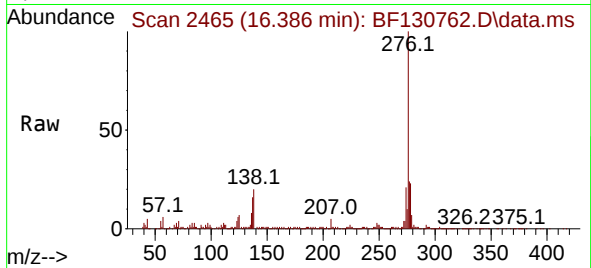
Tgt Ion:252 Resp: 284597
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.4 26.0
 125 10.3 8.3 12.5





#91
Dibenzo(a,h)anthracene
Concen: 2.998 ng
RT: 16.386 min Scan# 2465
Delta R.T. 0.012 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

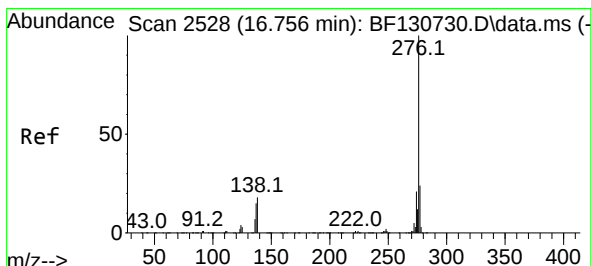
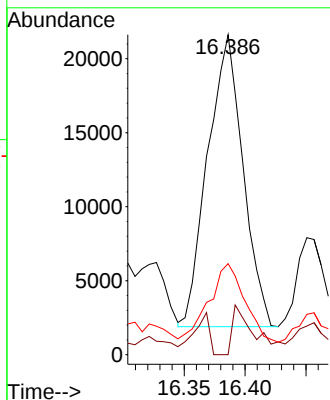
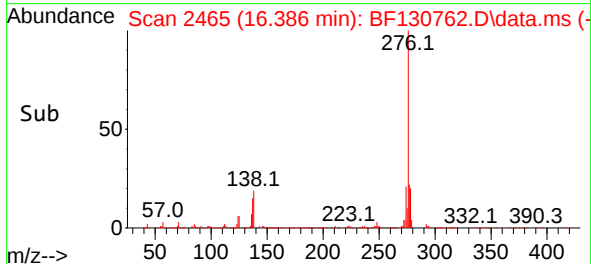
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL



Tgt Ion:278 Resp: 39730
Ion Ratio Lower Upper
278 100
139 0.0 11.4 17.0
279 28.5 18.4 27.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#92
Benzo(g,h,i)perylene
Concen: 9.469 ng
RT: 16.774 min Scan# 2531
Delta R.T. 0.018 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

Tgt Ion:276 Resp: 125873
Ion Ratio Lower Upper
276 100
277 26.9 19.1 28.7
138 19.8 14.2 21.2

